

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115665.D
 Acq On : 19 Jul 2019 9:16
 Operator : HP/JU
 Sample : PB121516BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BS

Manual Integrations
 APPROVED

mohammad
 7/22/2019 10:01:07 AM

Quant Time: Jul 19 14:11:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	167588	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	664800	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	334712	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	628489	20.00	ng	0.00
76) Chrysene-d12	14.05	240	432488	20.00	ng	0.00
87) Perylene-d12	15.52	264	402010	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	824546	80.48	ng	0.00
7) Phenol-d6	6.51	99	1050025	80.77	ng	0.00
23) Nitrobenzene-d5	7.45	82	964536	84.36	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	309421	79.20	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1745184	91.26	ng	-0.01
79) Terphenyl-d14	12.99	244	1800812	76.83	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.78	88	193258	37.815	ng	97
3) Pyridine	3.52	79	492506	35.519	ng	99
4) n-Nitrosodimethylamine	3.47	42	205320	40.817	ng	93
6) Aniline	6.54	93	524117	28.970	ng	100
8) 2-Chlorophenol	6.67	128	467412	39.680	ng	98
9) Benzaldehyde	6.43	77	250041	30.778	ng	98
10) Phenol	6.53	94	607109	40.228	ng	86
11) bis(2-Chloroethyl)ether	6.61	93	450811	39.235	ng	99
12) 1,3-Dichlorobenzene	6.82	146	497478	37.562	ng	99
13) 1,4-Dichlorobenzene	6.90	146	506406	38.323	ng	98
14) 1,2-Dichlorobenzene	7.05	146	468030	38.746	ng	97
15) Benzyl Alcohol	7.02	79	406164	39.384	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	605743	40.043	ng	98
17) 2-Methylphenol	7.13	107	413842	40.767	ng	99
18) Hexachloroethane	7.40	117	188929	38.520	ng	99
19) n-Nitroso-di-n-propylamine	7.29	70	328343	38.726	ng	97
20) 3+4-Methylphenols	7.29	107	477001	39.559	ng	# 88
22) Acetophenone	7.29	105	636684	42.392	ng	# 99
24) Nitrobenzene	7.46	77	510817	41.423	ng	99
25) Isophorone	7.70	82	943324	41.233	ng	99
26) 2-Nitrophenol	7.77	139	263742	41.552	ng	96
27) 2,4-Dimethylphenol	7.82	122	442074	46.548	ng	98
28) bis(2-Chloroethoxy)methane	7.91	93	581410	41.425	ng	99
29) 2,4-Dichlorophenol	8.02	162	412202	41.734	ng	98
30) 1,2,4-Trichlorobenzene	8.10	180	446635	40.004	ng	99
31) Naphthalene	8.19	128	1369776	42.544	ng	97
32) Benzoic acid	7.95	122	303782	38.976	ng	97
33) 4-Chloroaniline	8.23	127	352144	24.692	ng	98
34) Hexachlorobutadiene	8.30	225	250706	39.158	ng	99
35) Caprolactam	8.60	113	125175m	41.013	ng	
36) 4-Chloro-3-methylphenol	8.72	107	426683	41.646	ng	98
37) 2-Methylnaphthalene	8.88	142	916767	42.956	ng	97
38) 1-Methylnaphthalene	8.97	142	860175	42.433	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	410353	40.712	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.03	237	476162	82.816	nq	100
43) 2,4,6-Trichlorophenol	9.16	196	290292	39.383	nq	99
44) 2,4,5-Trichlorophenol	9.20	196	303710	40.234	nq	99
46) 1,1'-Biphenyl	9.34	154	1116124	42.653	nq	96
47) 2-Chloronaphthalene	9.37	162	880796	40.425	nq	96
48) 2-Nitroaniline	9.46	65	265613	39.386	nq	98
49) Acenaphthylene	9.79	152	1328964	41.163	nq	98
50) Dimethylphthalate	9.64	163	1006992	39.987	nq	99
51) 2,6-Dinitrotoluene	9.70	165	230739	40.318	nq	96
52) Acenaphthene	9.96	154	932287	44.727	nq	99
53) 3-Nitroaniline	9.87	138	182087	27.842	nq	94
54) 2,4-Dinitrophenol	9.98	184	232473	79.119	nq	96
55) Dibenzofuran	10.13	168	1194958	40.369	nq	99
56) 4-Nitrophenol	10.03	139	368305	73.853	nq	96
57) 2,4-Dinitrotoluene	10.10	165	302766	40.835	nq	97
58) Fluorene	10.47	166	882833	41.720	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.25	232	253409	40.158	nq	97
60) Diethylphthalate	10.34	149	962998	40.813	nq	99
61) 4-Chlorophenyl-phenylether	10.46	204	456520	38.903	nq	95
62) 4-Nitroaniline	10.49	138	239246	38.138	nq	98
63) Azobenzene	10.62	77	979975	42.819	nq	99
65) 4,6-Dinitro-2-methylphenol	10.52	198	156713	40.812	nq	95
66) n-Nitrosodiphenylamine	10.58	169	810248	41.445	nq	98
67) 4-Bromophenyl-phenylether	10.95	248	282931	39.394	nq	96
68) Hexachlorobenzene	11.02	284	317233	38.678	nq	# 92
69) Atrazine	11.10	200	266456	41.546	nq	98
70) Pentachlorophenol	11.22	266	367434	73.245	nq	99
71) Phenanthrene	11.43	178	1294620	40.186	nq	99
72) Anthracene	11.49	178	1359349	40.829	nq	100
73) Carbazole	11.63	167	1182188	40.491	nq	99
74) Di-n-butylphthalate	11.96	149	1461988	40.653	nq	99
75) Fluoranthene	12.62	202	1357824	39.885	nq	98
77) Benzidine	12.73	184	677785	44.239	nq	99
78) Pyrene	12.85	202	1375231	37.532	nq	98
80) Butylbenzylphthalate	13.46	149	617146	39.509	nq	100
81) Benzo(a)anthracene	14.04	228	1139143	39.981	nq	97
82) 3,3'-Dichlorobenzidine	13.99	252	294255	29.051	nq	98
83) Chrysene	14.07	228	1122726	39.253	nq	98
84) Bis(2-ethylhexyl)phthalate	14.02	149	841410	43.487	nq	# 98
85) Di-n-octyl phthalate	14.63	149	1364731	44.331	nq	100
86) Indeno(1,2,3-cd)pyrene	17.00	276	944755	38.879	nq	99
88) Benzo(b)fluoranthene	15.09	252	1030598	39.813	nq	98
89) Benzo(k)fluoranthene	15.12	252	986689	42.753	nq	99
90) Benzo(a)pyrene	15.46	252	934632	42.008	nq	100
91) Dibenzo(a,h)anthracene	17.02	278	788916	40.390	nq	99
92) Benzo(g,h,i)perylene	17.45	276	784266	40.260	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

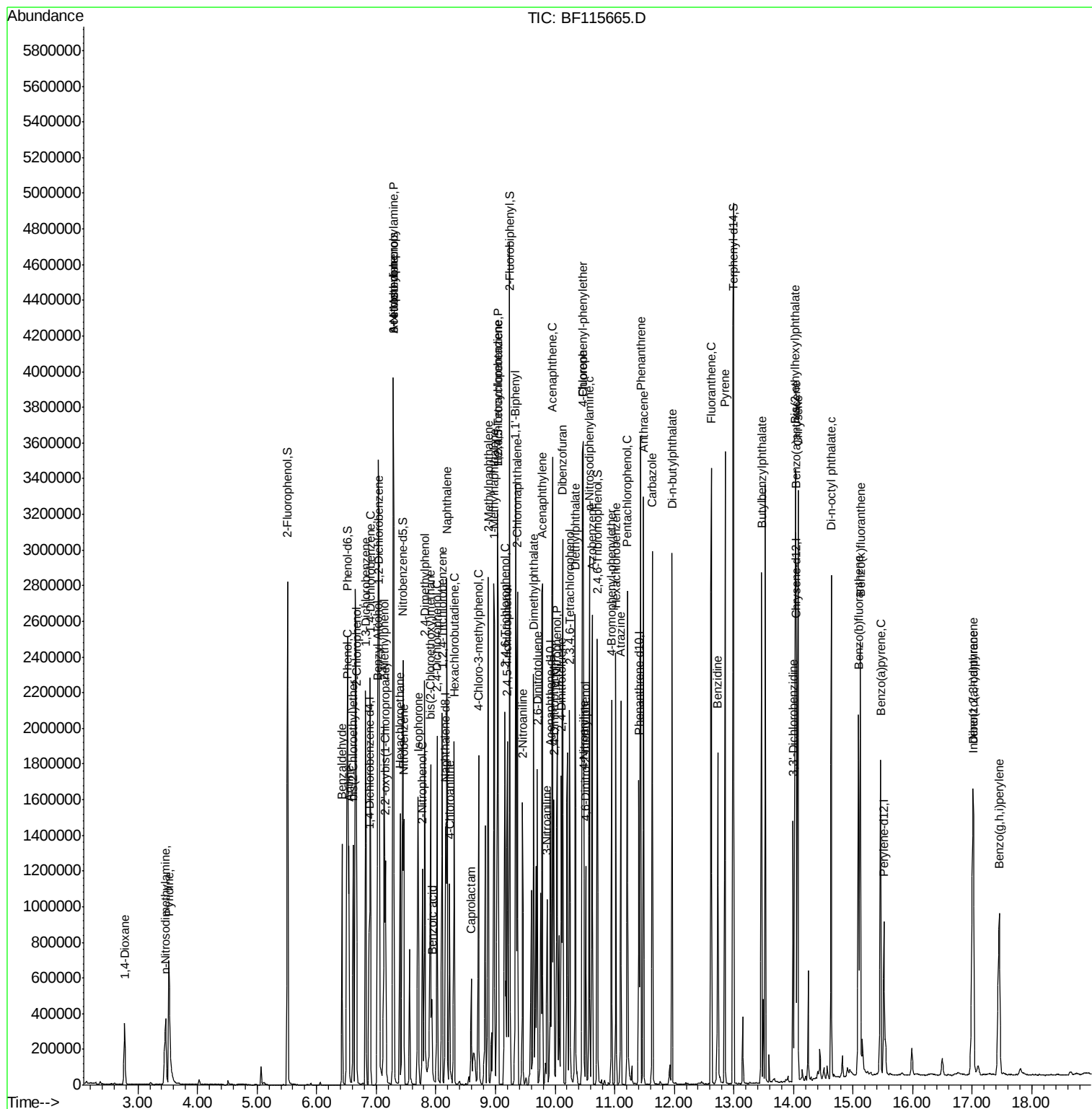
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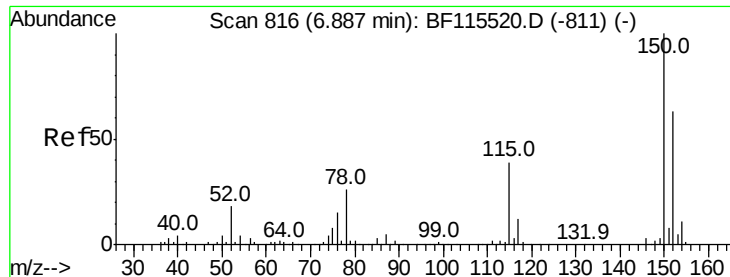
Instrument :
BNA_F
ClientSampleId :
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#1

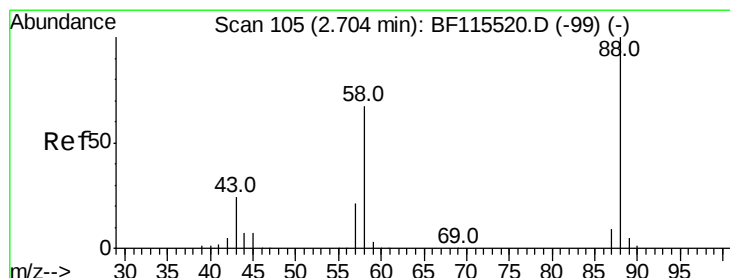
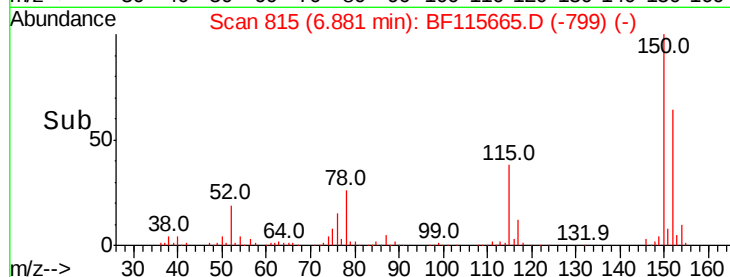
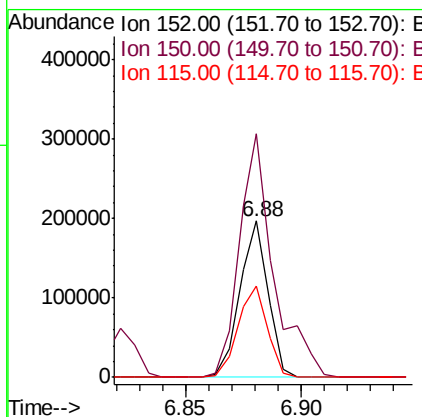
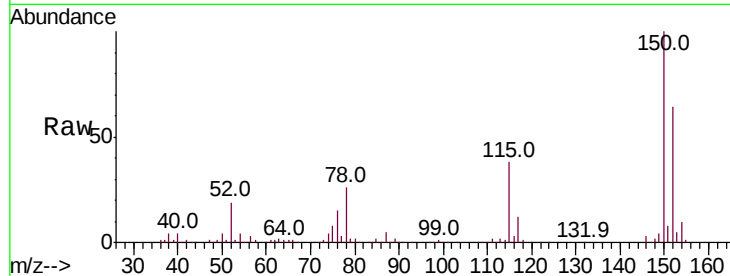
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	129.7	194.5
115	58.7	48.2	72.4

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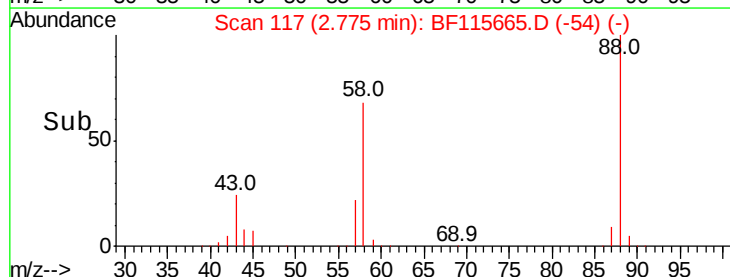
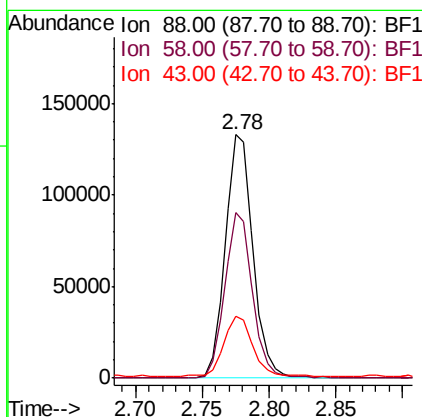
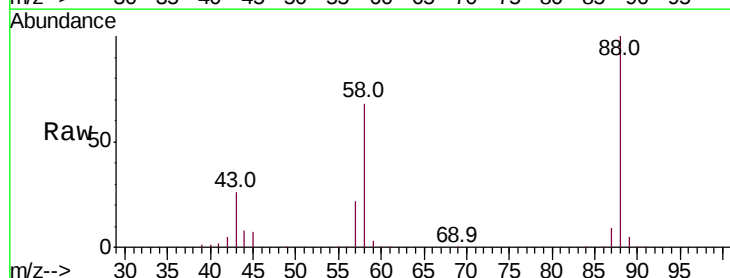
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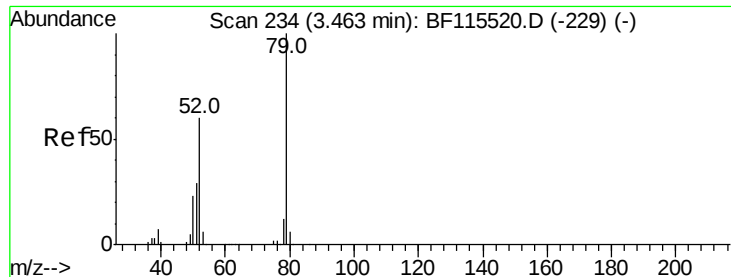


#2

1,4-Dioxane
Concen: 37.815 ng
RT: 2.78 min Scan# 117
Delta R.T. 0.07 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.5	52.6	79.0
43	25.6	19.1	28.7





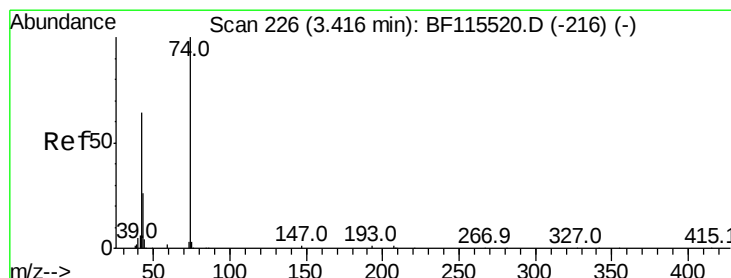
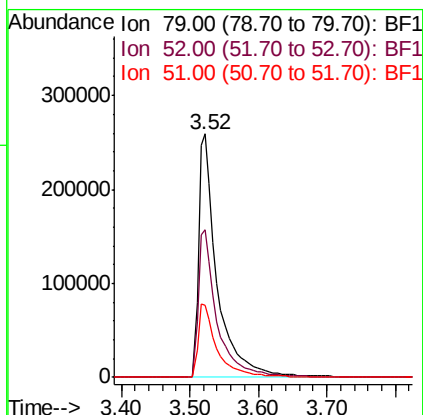
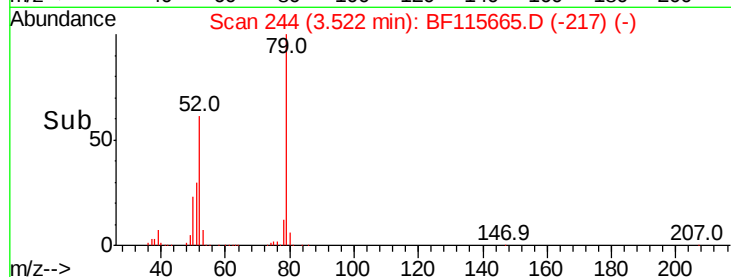
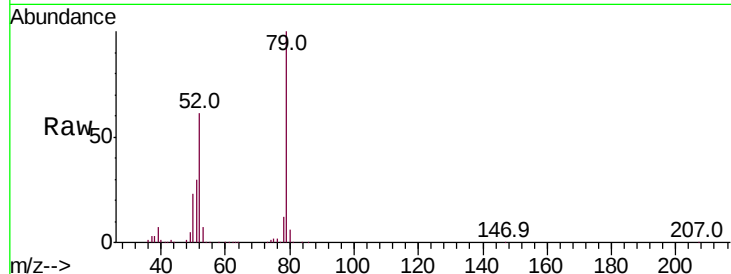
#3
Pvridine
Concen: 35.519 ng
RT: 3.52 min Scan# 244
Delta R.T. 0.06 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
79	100		
52	60.7	47.8	71.6
51	29.7	23.8	35.8

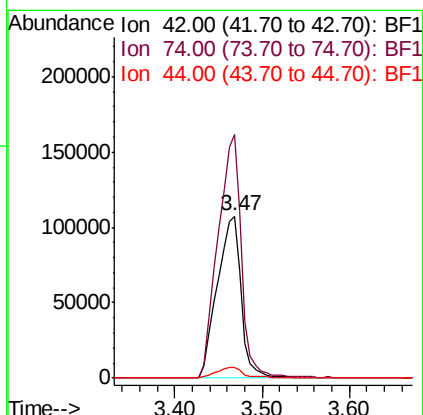
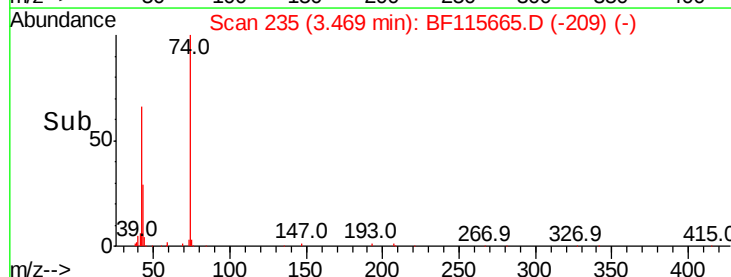
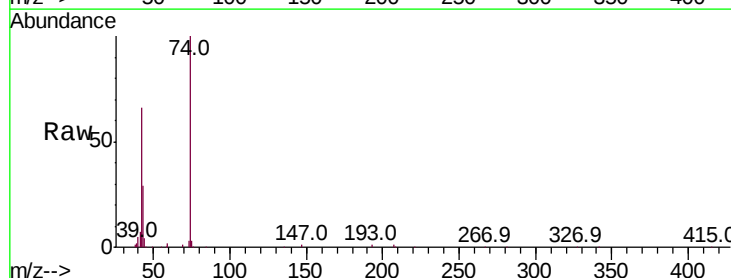
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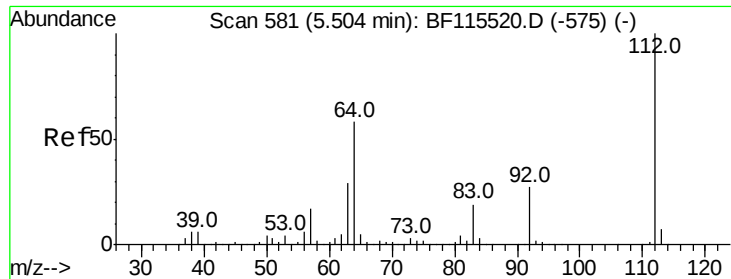
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#4
n-Nitrosodimethylamine
Concen: 40.817 ng
RT: 3.47 min Scan# 235
Delta R.T. 0.05 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
42	100		
74	150.4	127.5	191.3
44	6.7	5.0	7.6





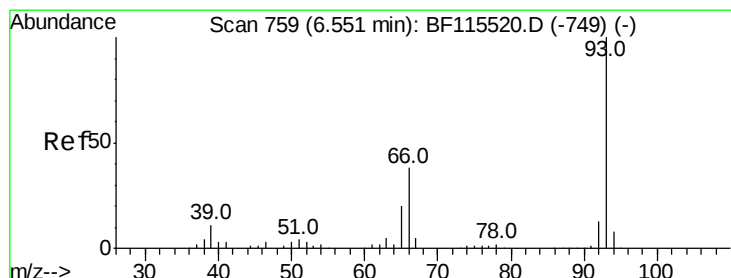
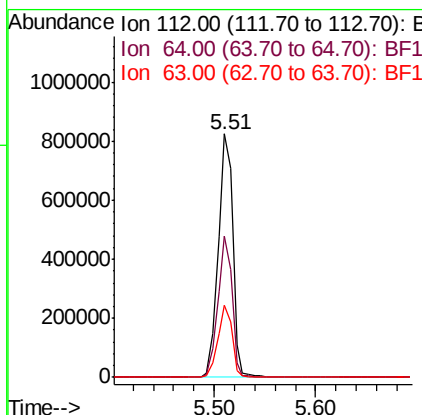
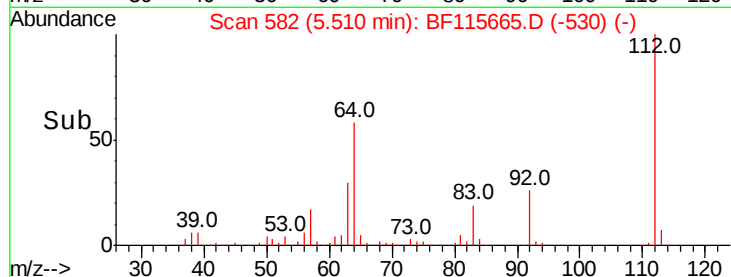
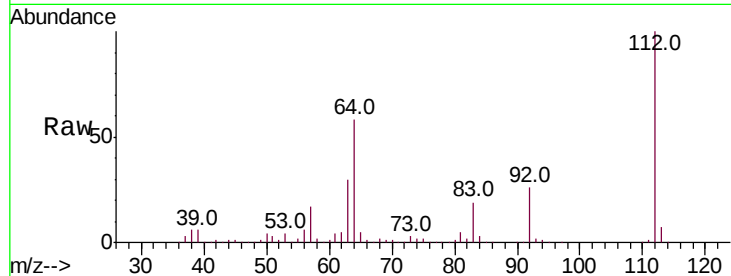
#5
2-Fluorophenol
Concen: 80.478 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
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ClientSampleId :
PB121516BS

Tot Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	58.2	46.8	70.2
63	29.6	24.1	36.1

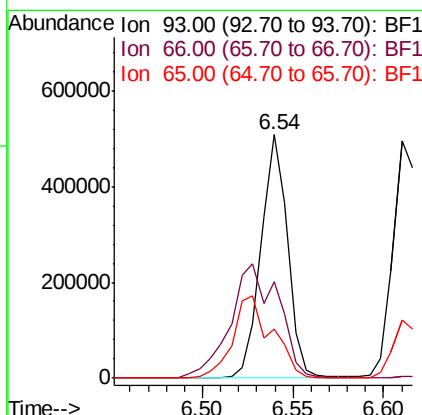
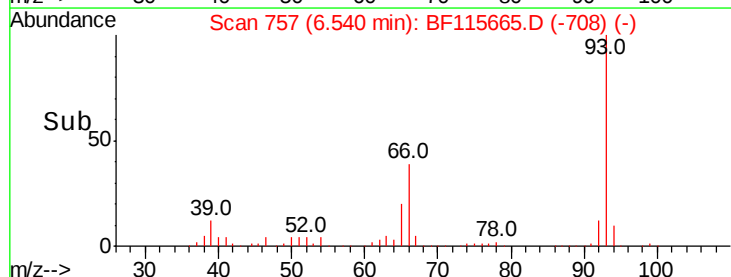
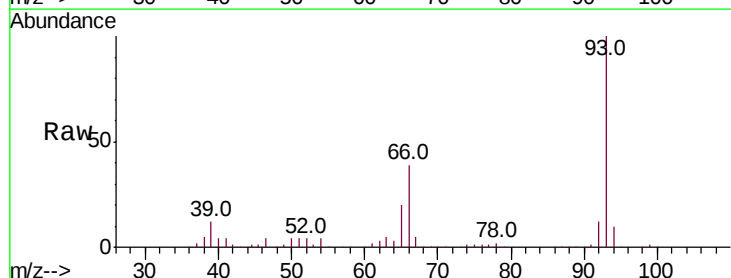
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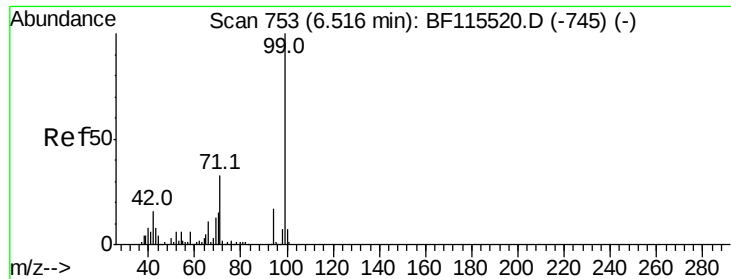
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#6
Aniline
Concen: 28.970 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
66	39.5	31.7	47.5
65	20.1	16.2	24.2





#7

Phenol-d6

Concen: 80.768 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

ClientSampled :

PB121516BS

Tot Ion: 99 Resp: 1050025

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

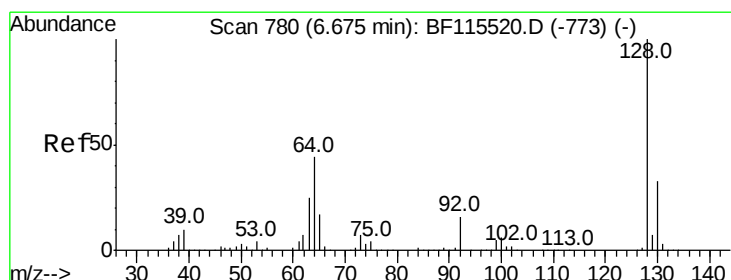
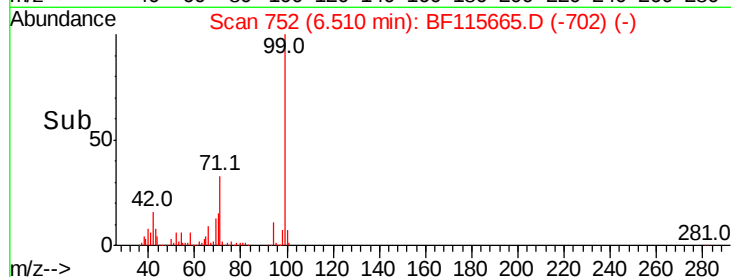
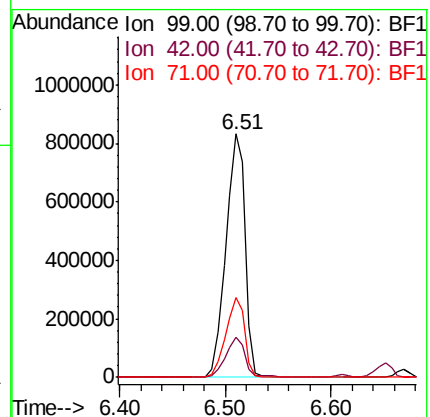
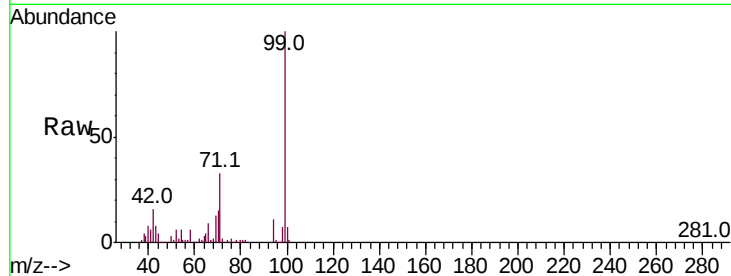
71 32.6 28.5 42.7

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#8

2-Chlorophenol

Concen: 39.680 ng

RT: 6.67 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

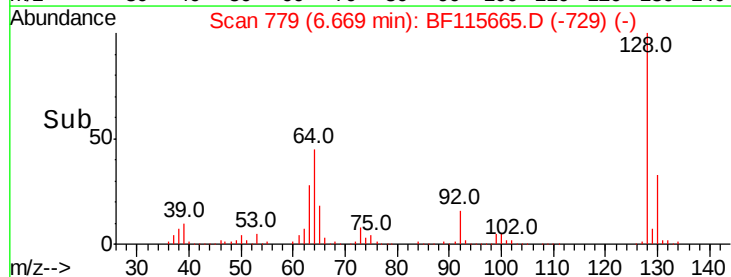
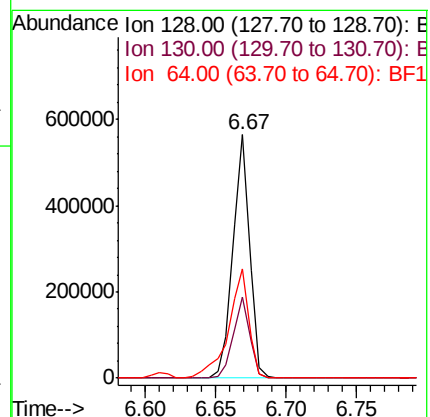
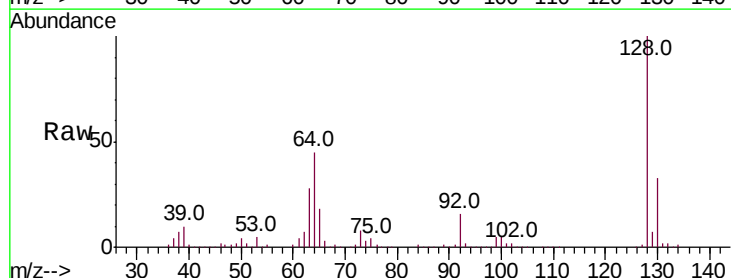
Tgt Ion: 128 Resp: 467412

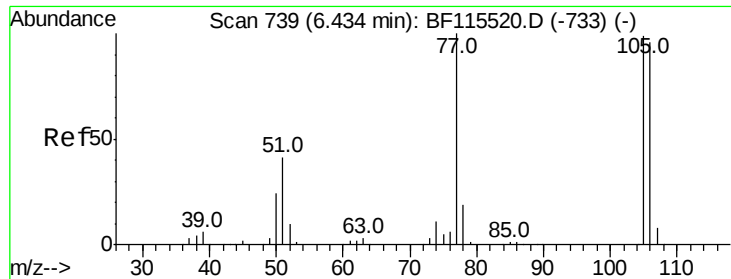
Ion Ratio Lower Upper

128 100

130 33.2 12.8 52.8

64 44.8 26.8 66.8





#9

Benzaldehyde

Concen: 30.778 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

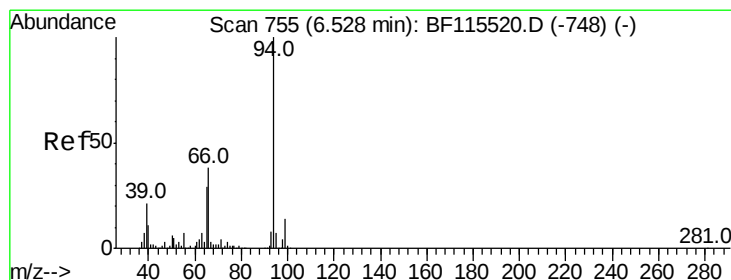
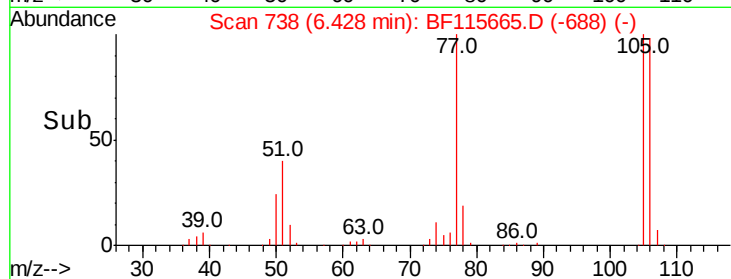
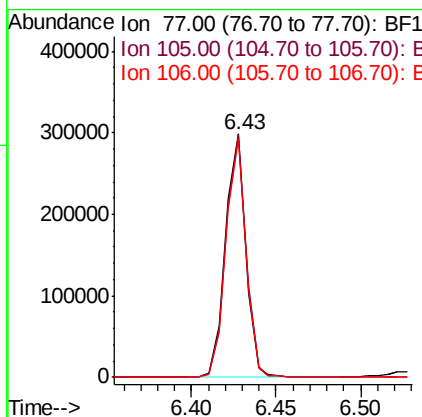
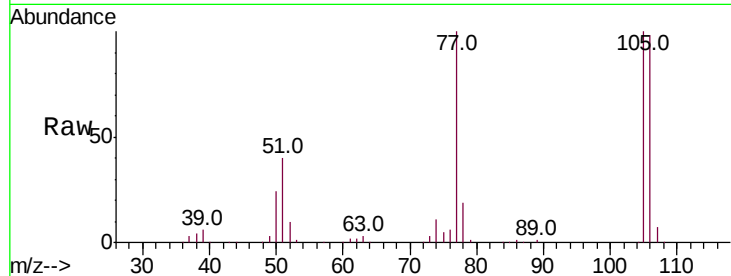
ClientSampleId :

PB121516BS

Tot Ion:	77	Resp:	250041
Ion Ratio	Lower	Upper	
77	100		
105	99.7	78.8	118.8
106	98.1	75.6	115.6

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#10

Phenol

Concen: 40.228 ng

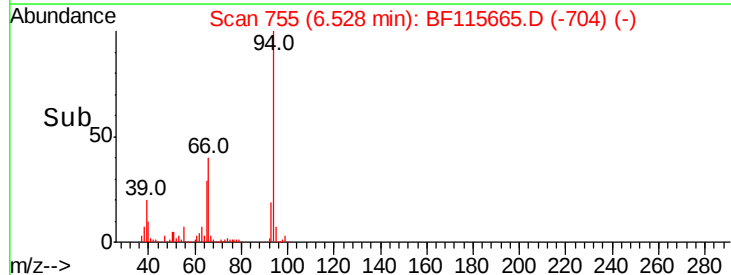
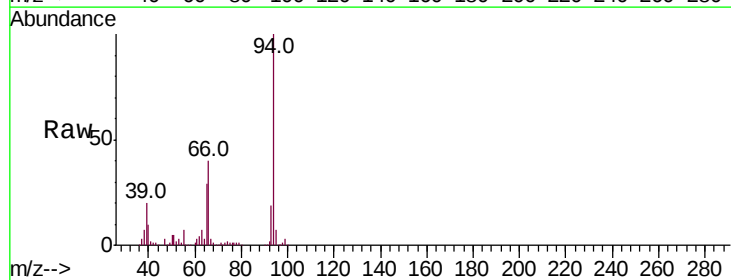
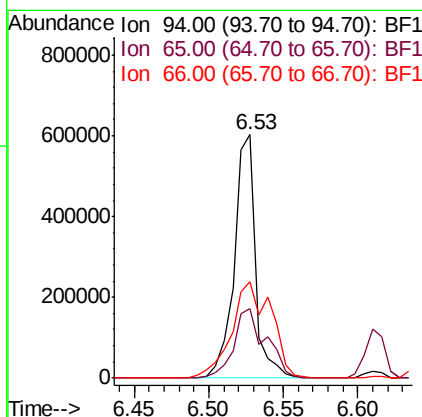
RT: 6.53 min Scan# 755

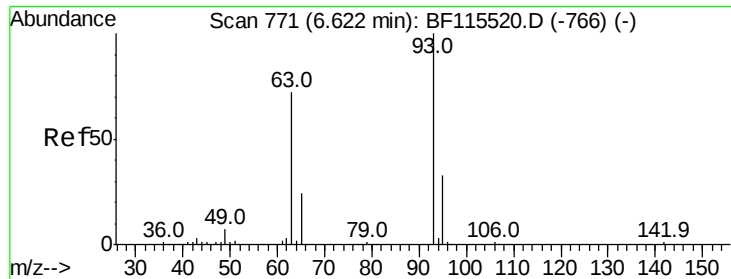
Delta R.T. 0.00 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Tgt Ion:	94	Resp:	607109
Ion Ratio	Lower	Upper	
94	100		
65	28.6	14.5	54.5
66	39.7	31.3	71.3





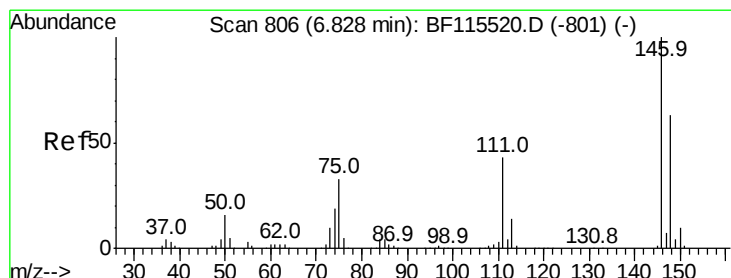
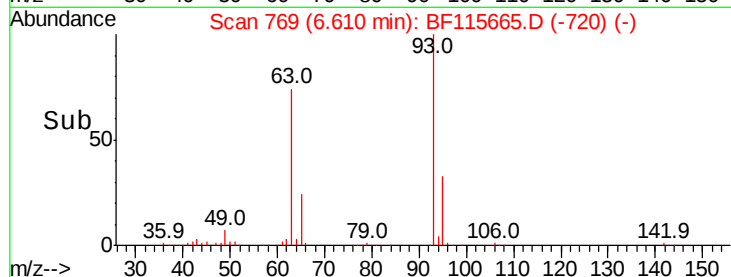
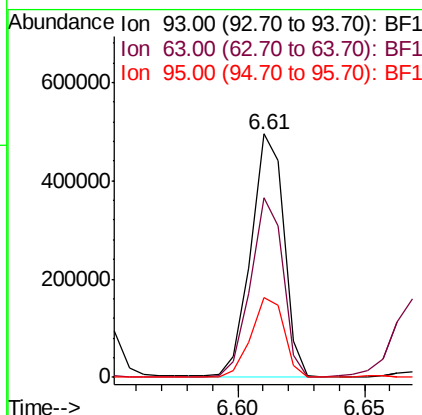
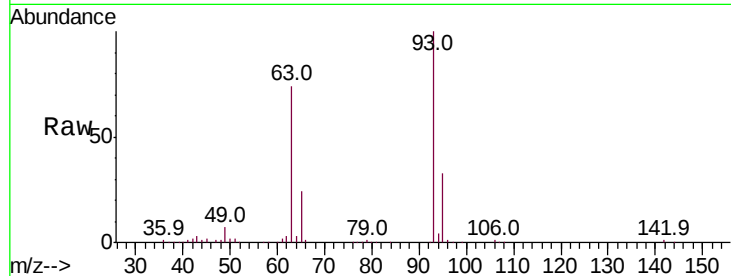
#11
 bis(2-Chloroethyl)ether
 Concen: 39.235 ng
 RT: 6.61 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BS

Tot Ion:	93	Resp:	450811
Ion Ratio	Lower	Upper	
93	100		
63	73.6	52.2	92.2
95	32.8	12.9	52.9

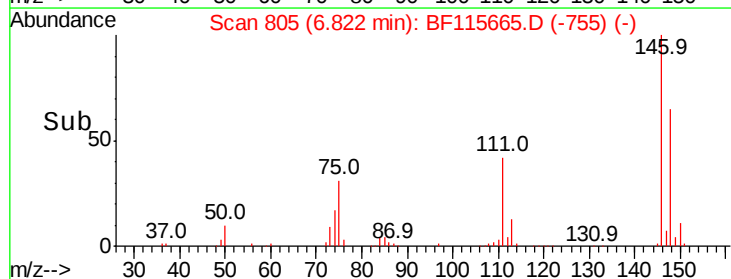
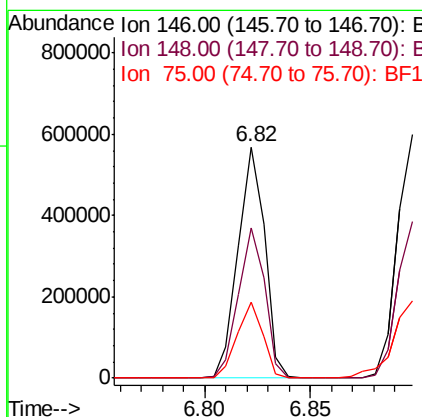
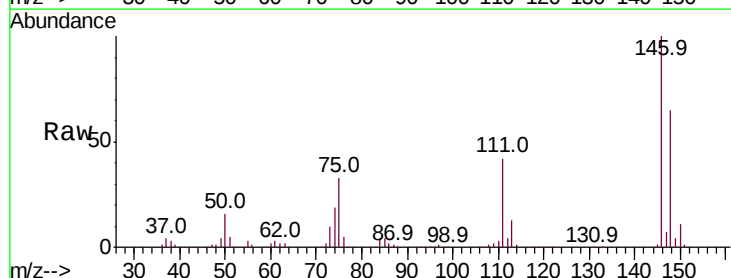
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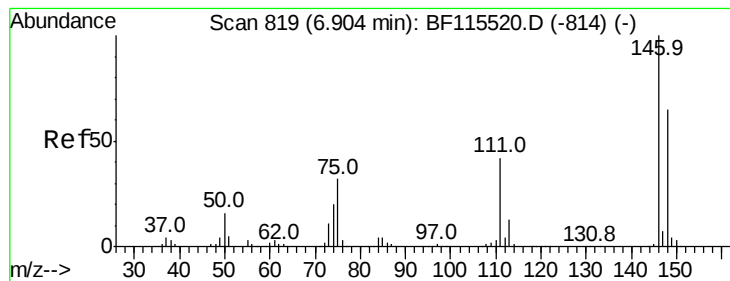
mohammad
 7/22/2019 10:01:07 AM



#12
 1,3-Dichlorobenzene
 Concen: 37.562 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Tgt Ion:	146	Resp:	497478
Ion Ratio	Lower	Upper	
146	100		
148	64.9	52.1	78.1
75	32.6	24.9	37.3





#13

1,4-Dichlorobenzene

Concen: 38.323 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

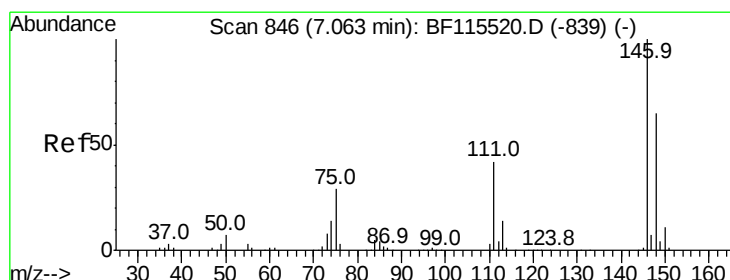
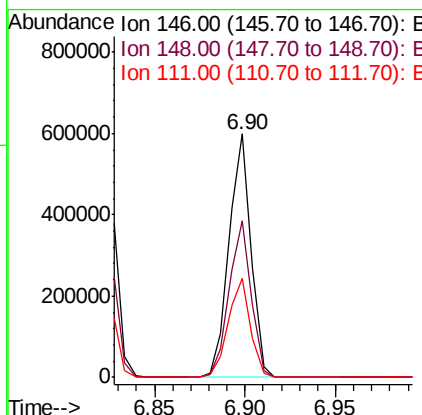
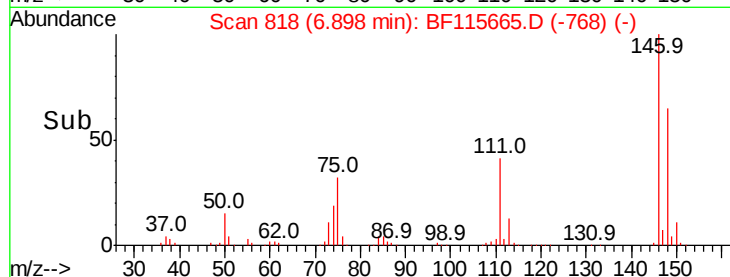
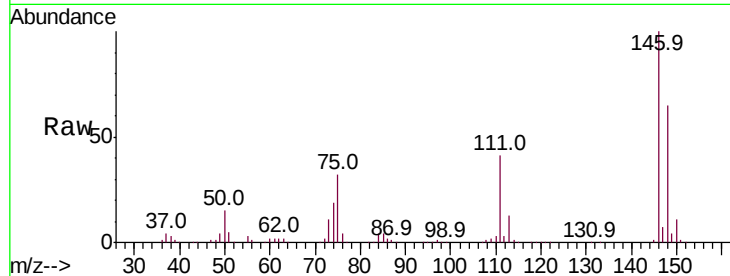
ClientSampleId :

PB121516BS

Tot Ion:	146	Resp:	506406
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.8	77.6
111	40.7	35.5	53.3

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#14

1,2-Dichlorobenzene

Concen: 38.746 ng

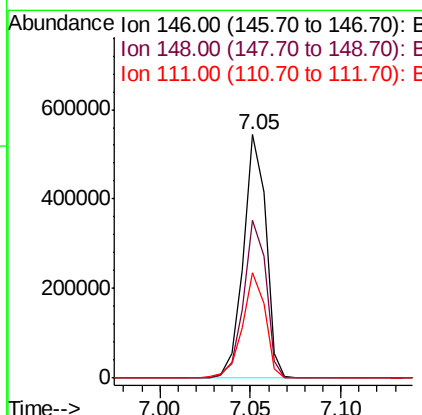
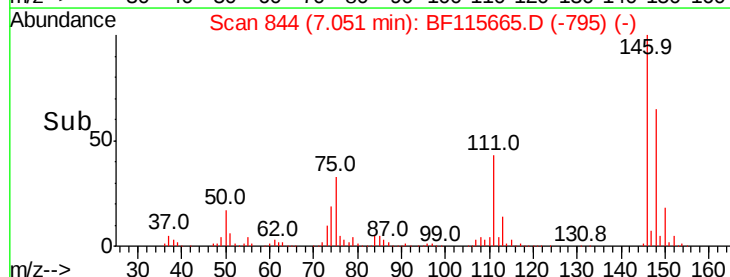
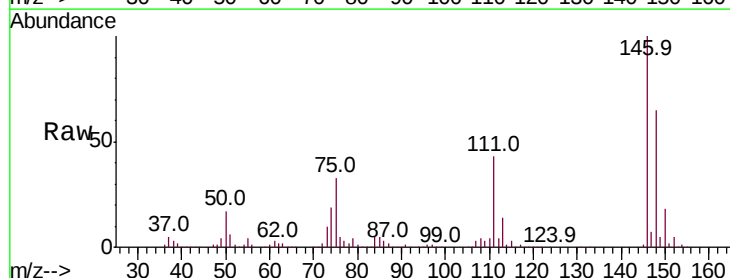
RT: 7.05 min Scan# 844

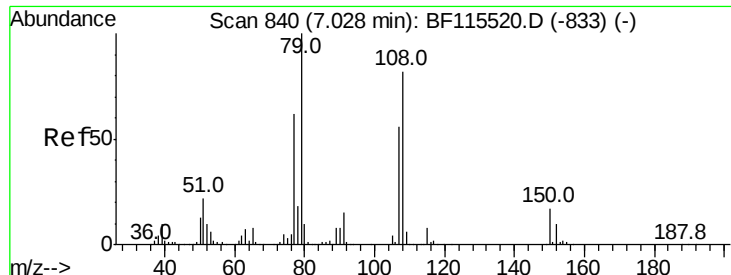
Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Tgt Ion:	146	Resp:	468030
Ion Ratio	Lower	Upper	
146	100		
148	65.0	51.1	76.7
111	43.3	37.6	56.4





#15

Benzyl Alcohol

Concen: 39.384 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

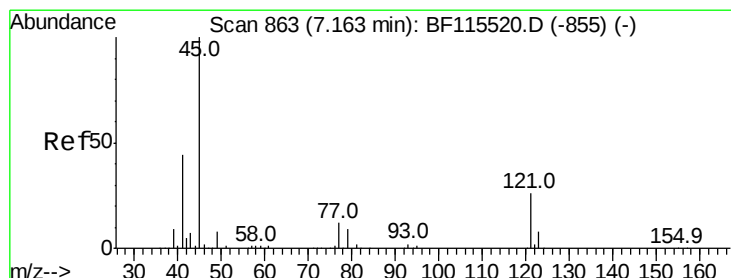
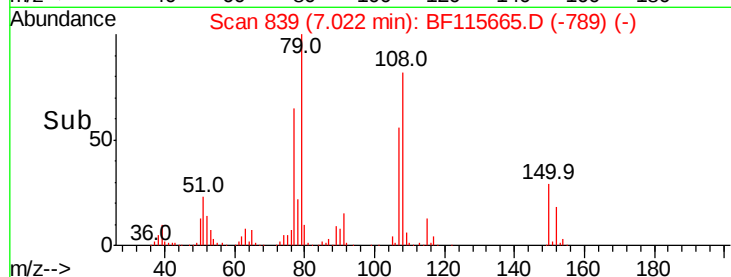
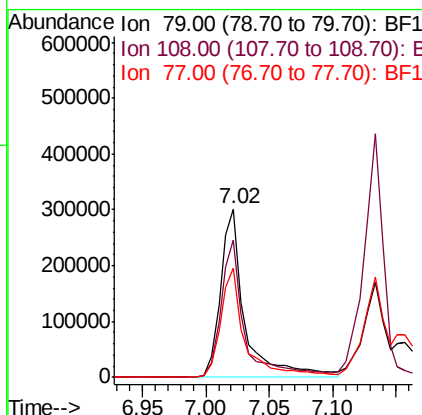
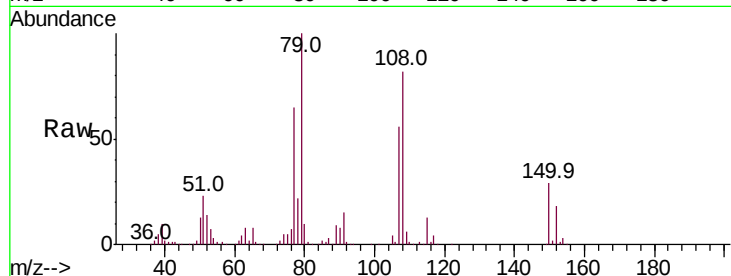
ClientSampleID :

PB121516BS

Tot Ion:	79	Resp:	406164
Ion Ratio	Lower	Upper	
79	100		
108	81.9	64.2	96.4
77	65.0	51.8	77.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.043 ng

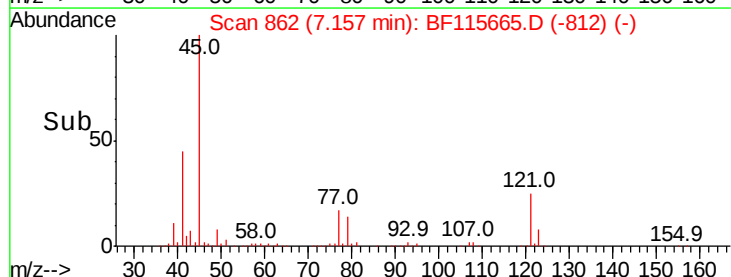
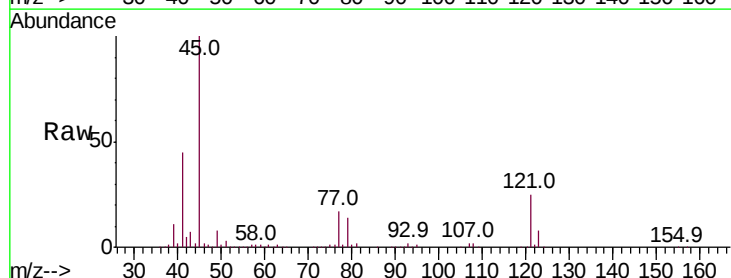
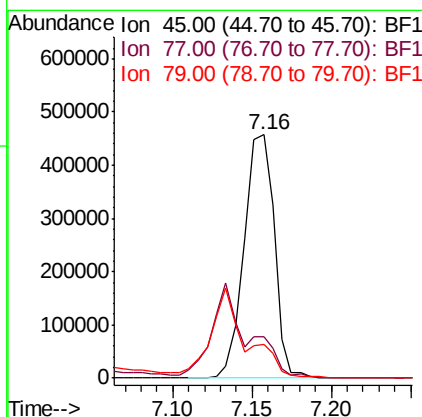
RT: 7.16 min Scan# 862

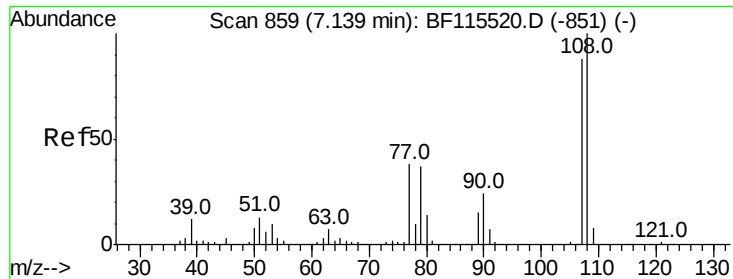
Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Tgt Ion:	45	Resp:	605743
Ion Ratio	Lower	Upper	
45	100		
77	16.9	0.0	38.1
79	13.7	0.0	34.1





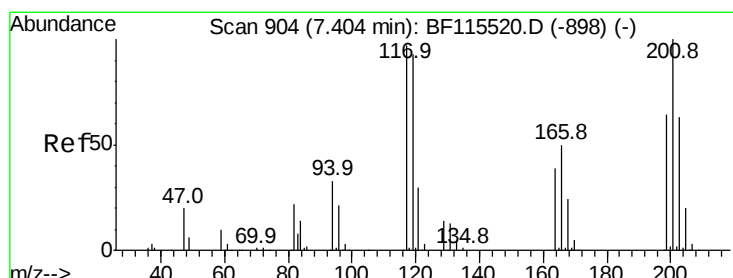
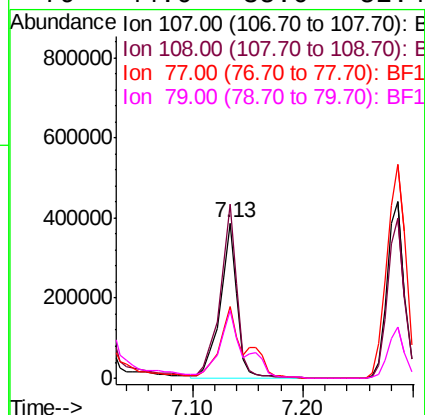
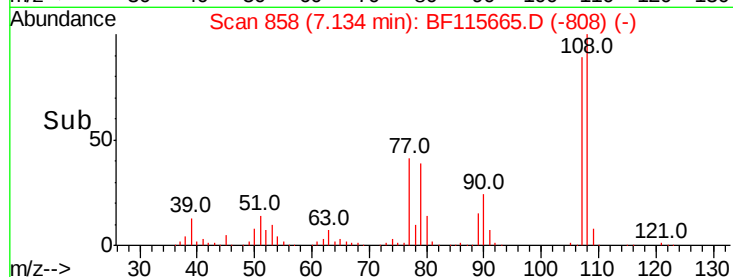
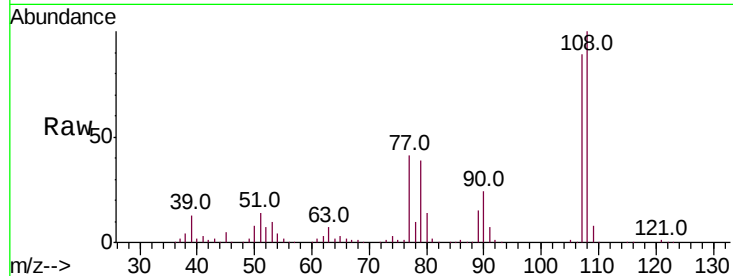
#17
2-Methylphenol
Concen: 40.767 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.7	89.4	134.2	
77	46.3	35.7	53.5	
79	44.0	35.0	52.4	

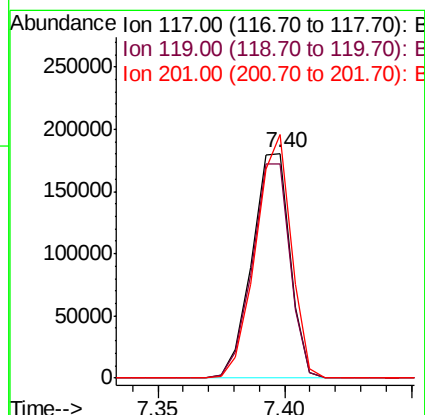
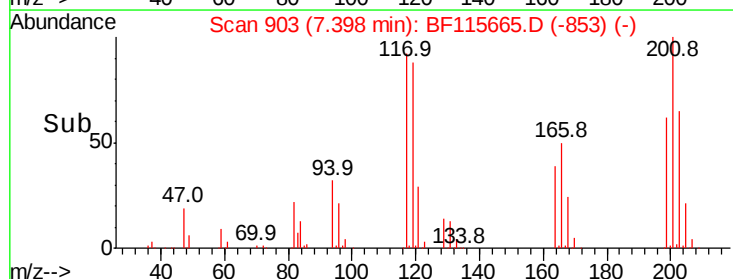
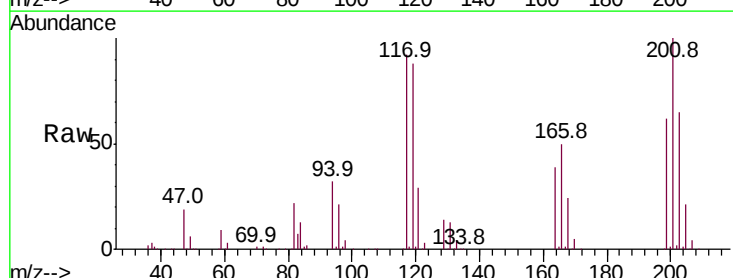
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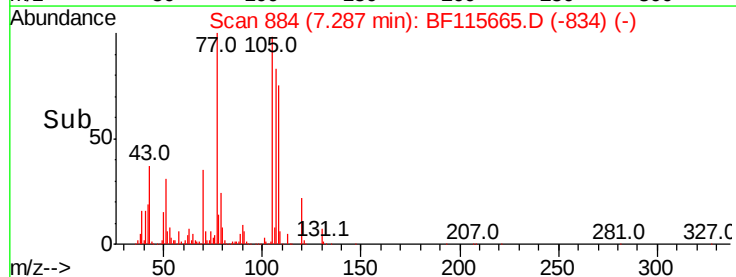
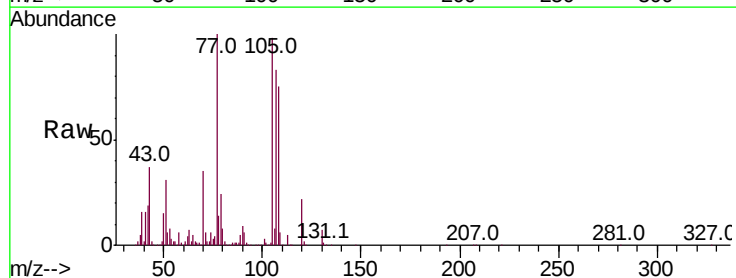
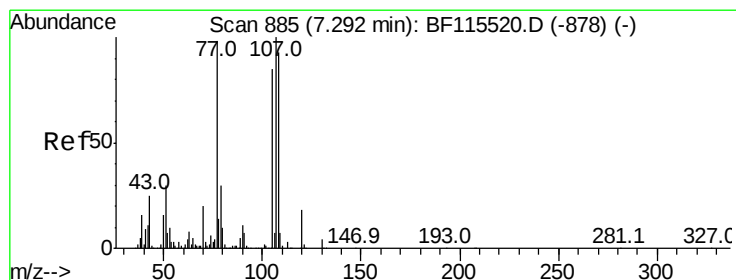
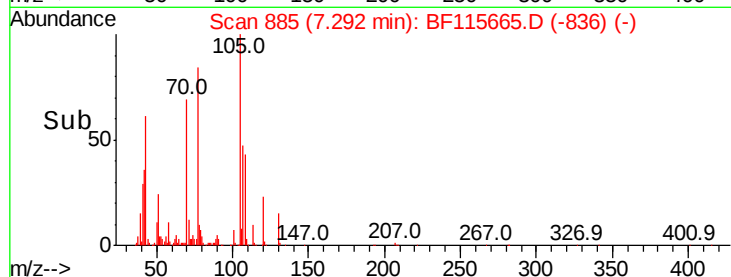
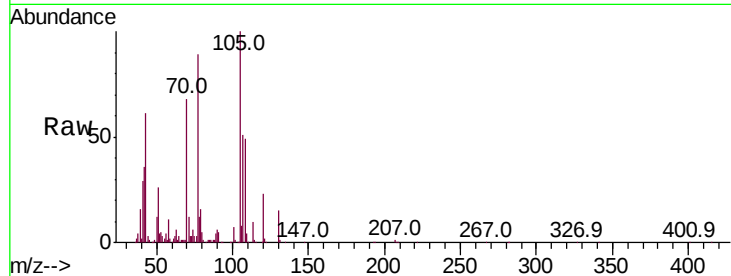
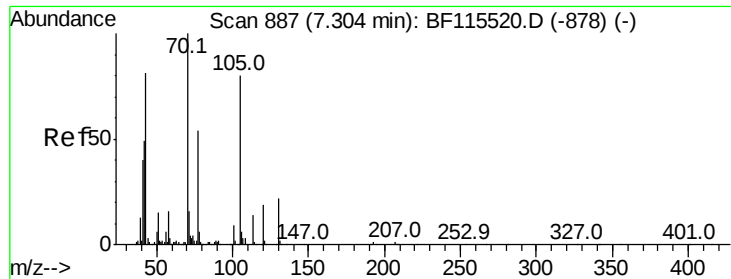
mohammad
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#18
Hexachloroethane
Concen: 38.520 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.3	77.7	116.5	
201	108.5	86.0	129.0	





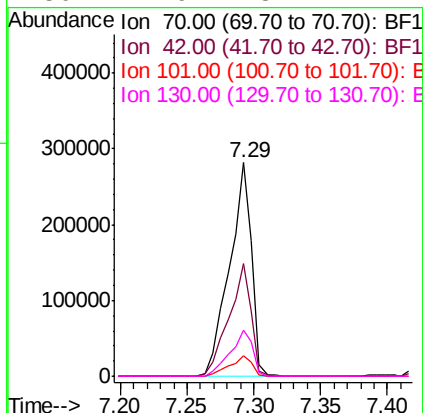
#19
n-Nitroso-di-n-propylamine
Concen: 38.726 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	52.6	39.6	59.4
101	9.7	8.1	12.1
130	21.9	18.2	27.2

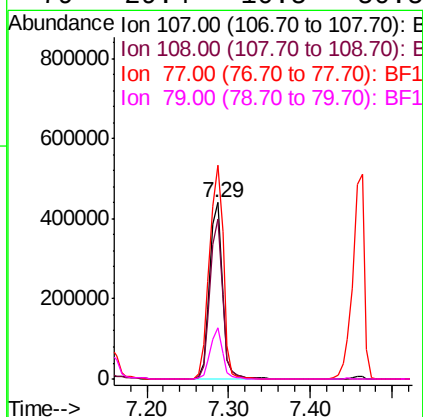
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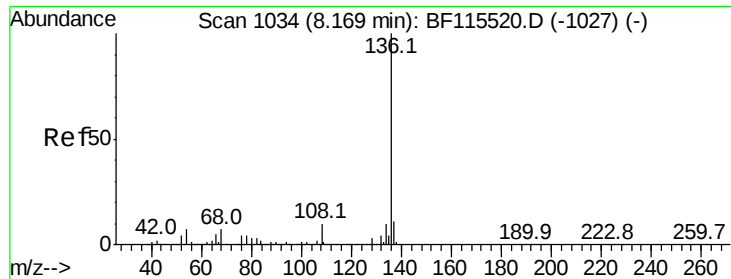
mohammad
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#20
3+4-Methylphenols
Concen: 39.559 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.5	72.9	112.9
77	121.2	77.6	117.6#
79	29.4	10.5	50.5





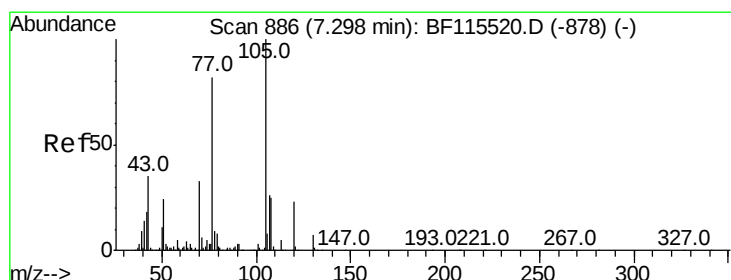
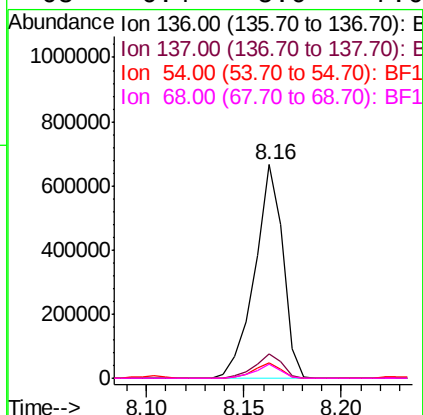
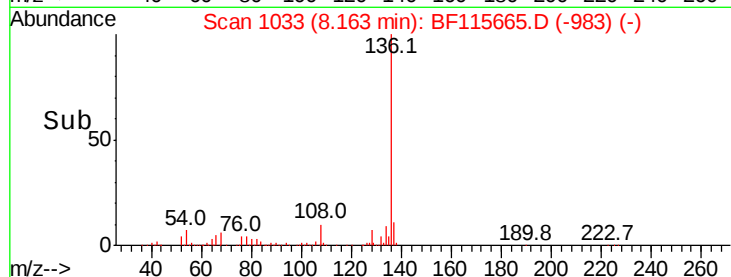
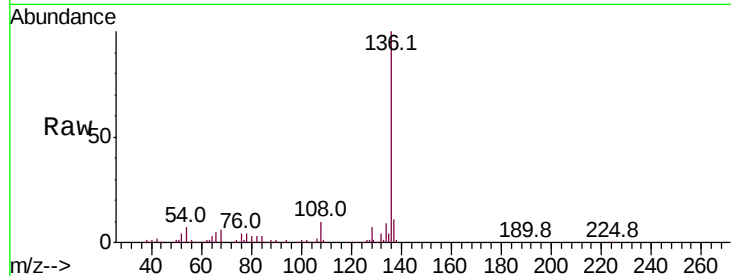
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	9.0	13.4	
54	7.3	5.6	8.4	
68	6.4	5.0	7.6	

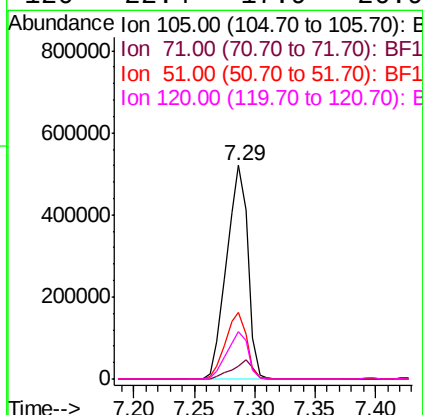
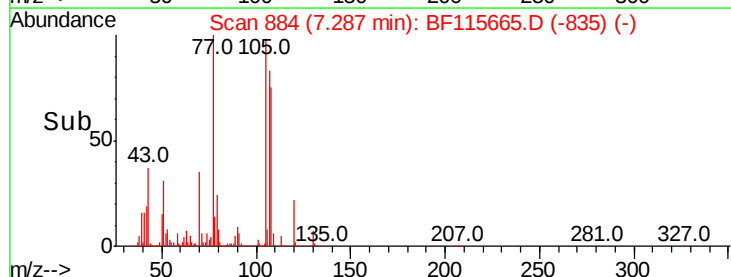
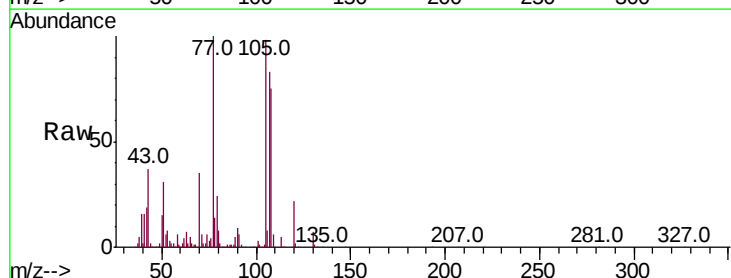
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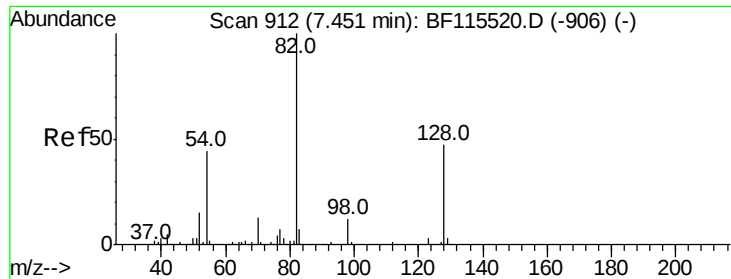
mohammad
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#22
Acetophenone
Concen: 42.392 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.1	3.5	5.3#	
51	31.3	25.6	38.4	
120	22.4	17.9	26.9	





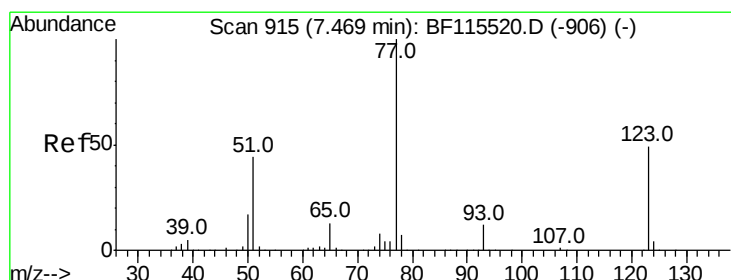
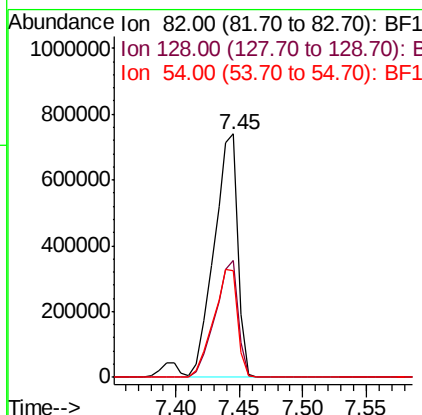
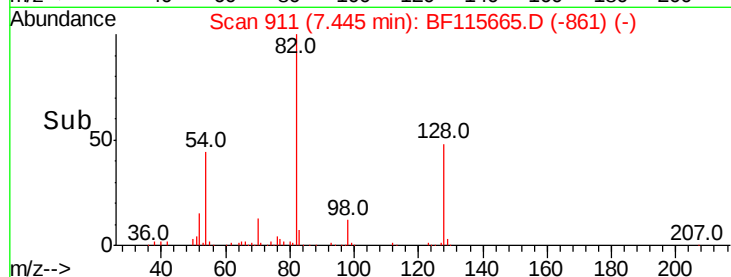
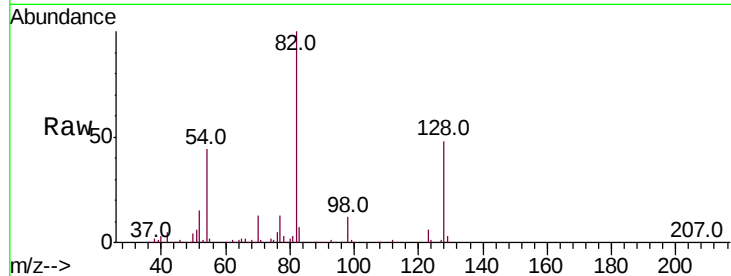
#23
Nitrobenzene-d5
Concen: 84.363 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleID :
PB121516BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	38.6	57.8
54	43.7	35.6	53.4

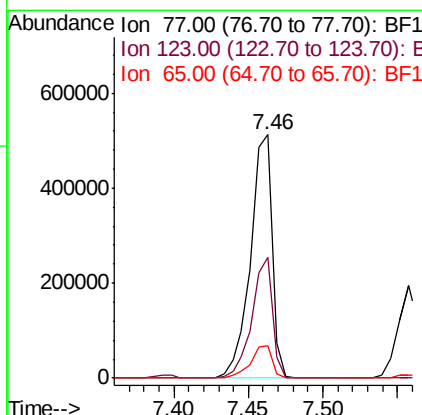
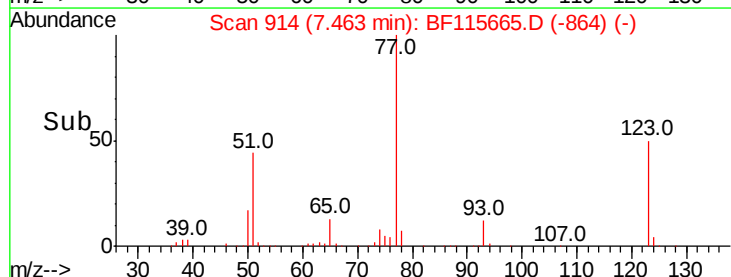
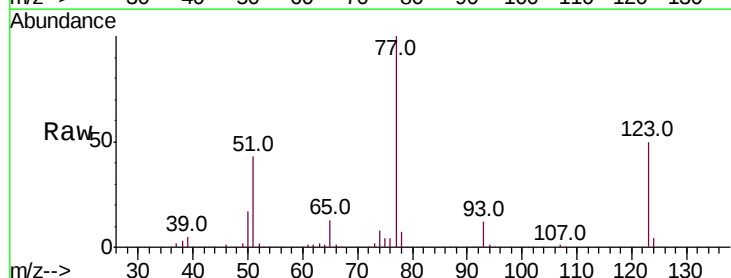
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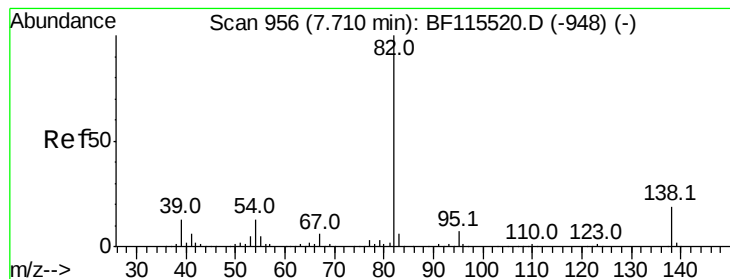
mohammad
7/22/2019 10:01:07 AM



#24
Nitrobenzene
Concen: 41.423 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.8	40.0	60.0
65	13.1	11.0	16.4





#25

Isophorone

Concen: 41.233 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

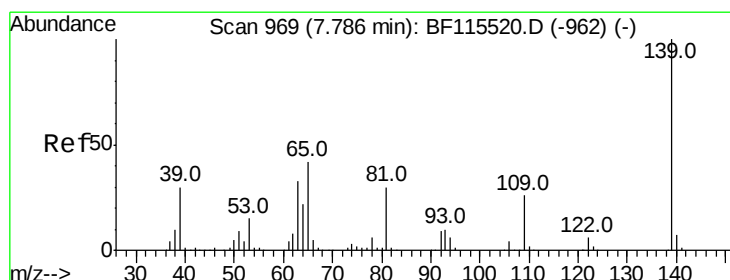
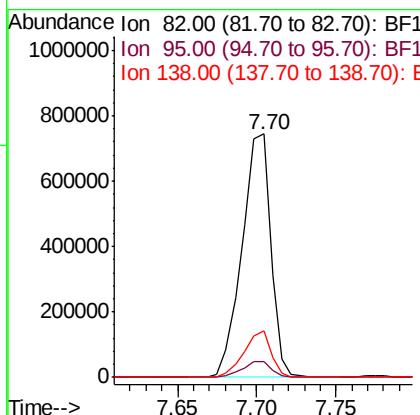
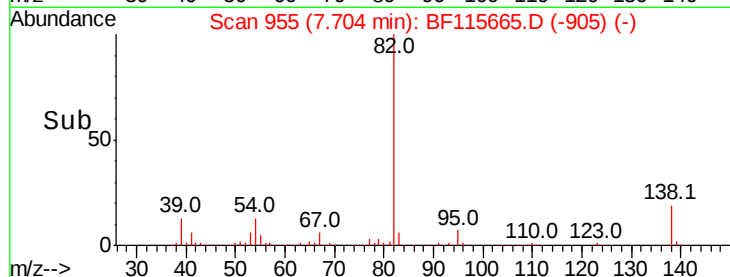
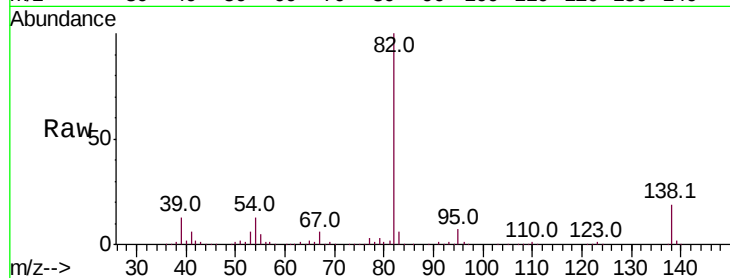
ClientSampleId :

PB121516BS

Tot Ion:	82	Resp:	943324
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.5	8.3
138	18.9	14.9	22.3

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#26

2-Nitrophenol

Concen: 41.552 ng

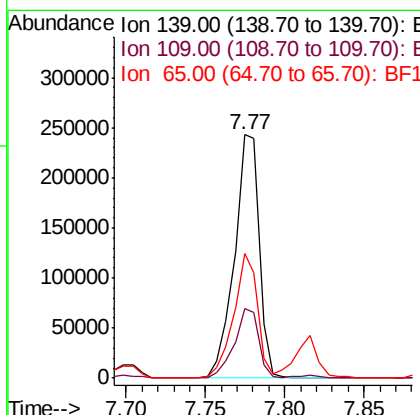
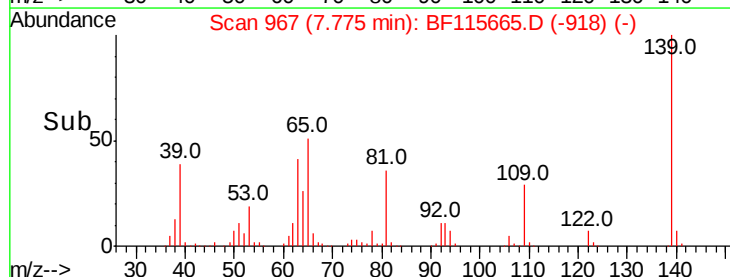
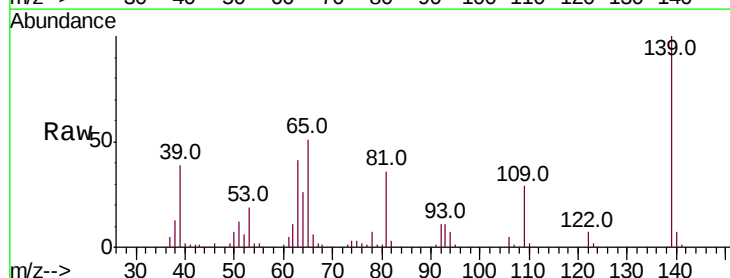
RT: 7.77 min Scan# 967

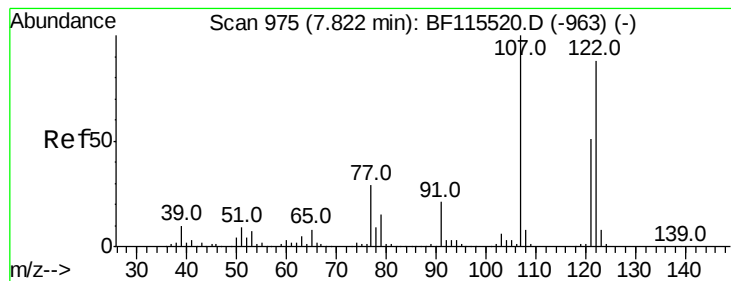
Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Tgt Ion:	139	Resp:	263742
Ion Ratio	Lower	Upper	
139	100		
109	28.6	23.3	34.9
65	51.4	37.9	56.9





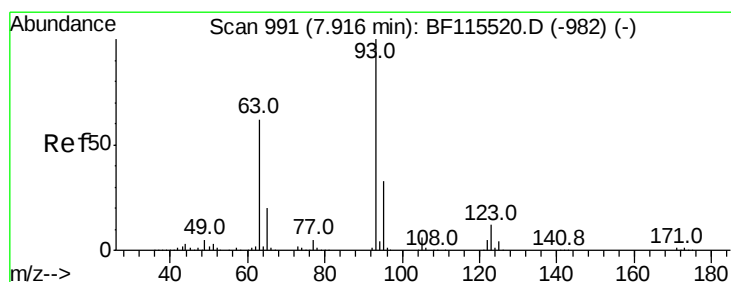
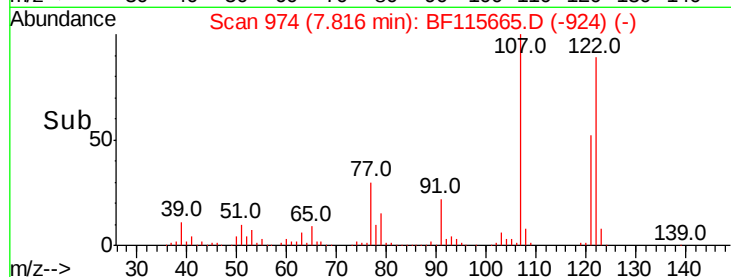
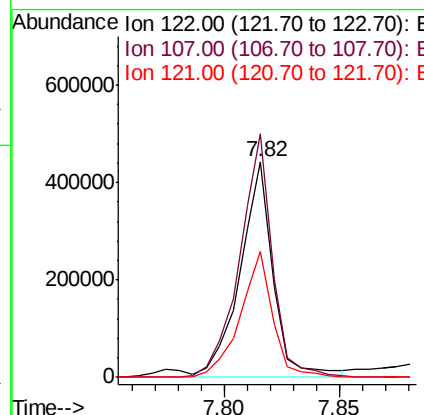
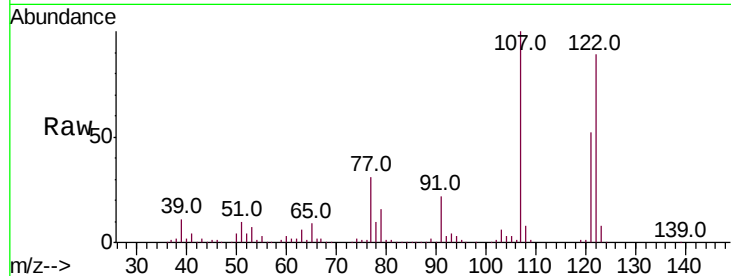
#27
2,4-Dimethylphenol
Concen: 46.548 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.8	92.9	139.3
121	58.5	46.9	70.3

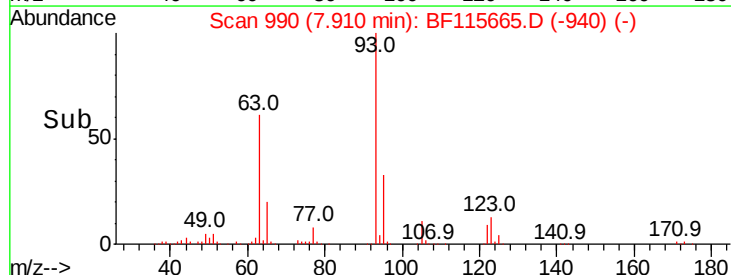
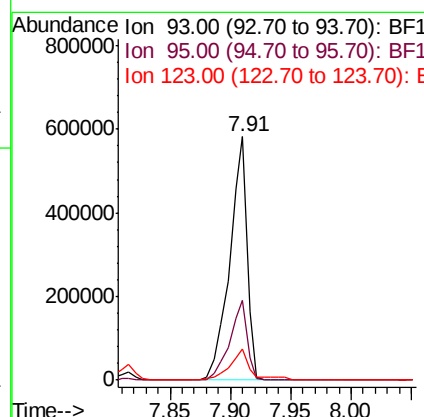
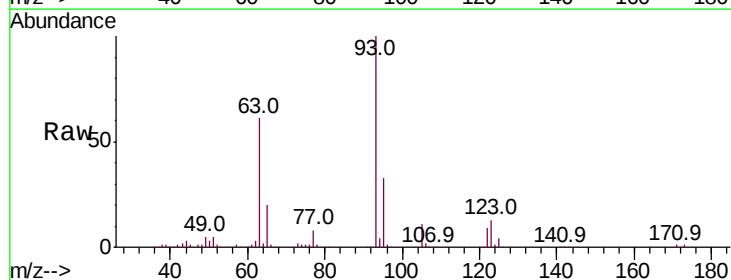
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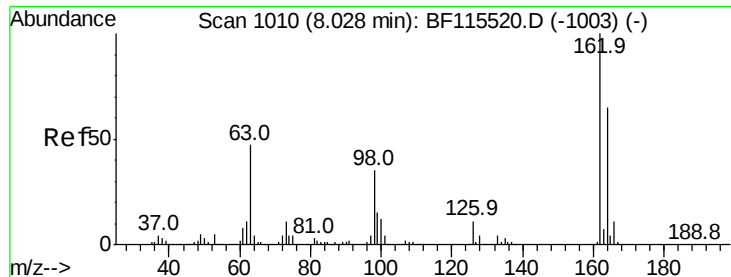
mohammad
7/22/2019 10:01:07 AM



#28
bis(2-Chloroethoxy)methane
Concen: 41.425 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	27.0	40.4
123	12.6	9.9	14.9





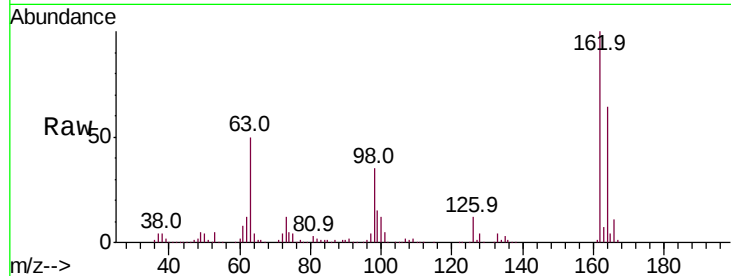
#29
2,4-Dichlorophenol
Concen: 41.734 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

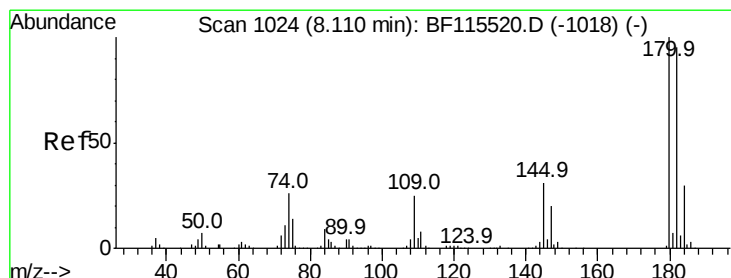
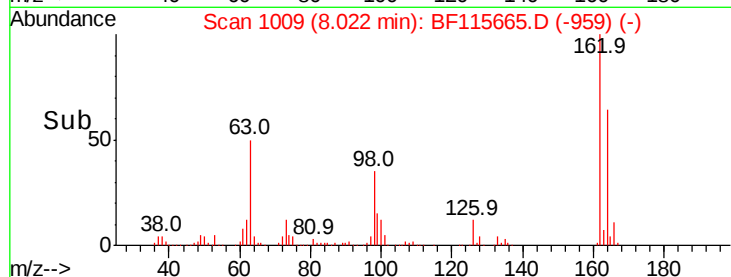
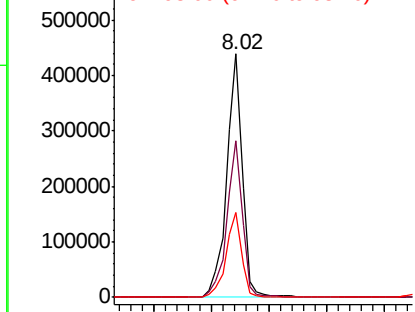
Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	64.4	44.9	84.9
98	34.8	17.7	57.7

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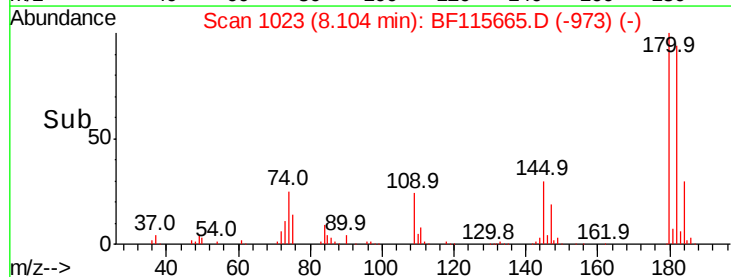
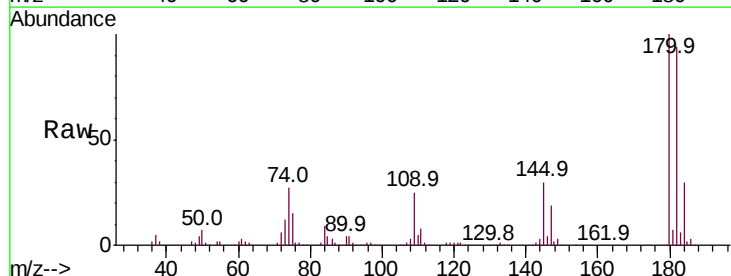
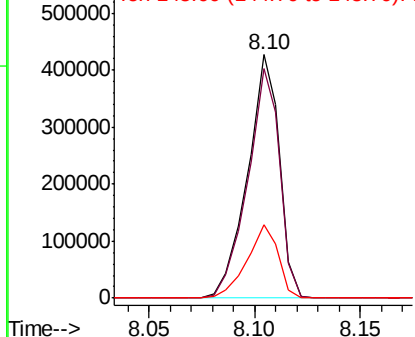
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

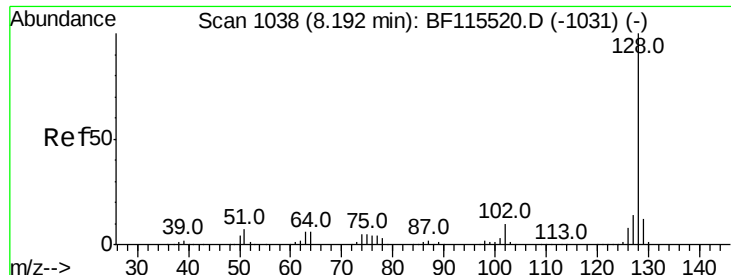


#30
1,2,4-Trichlorobenzene
Concen: 40.004 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.3	75.0	112.6
145	30.0	25.1	37.7

Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





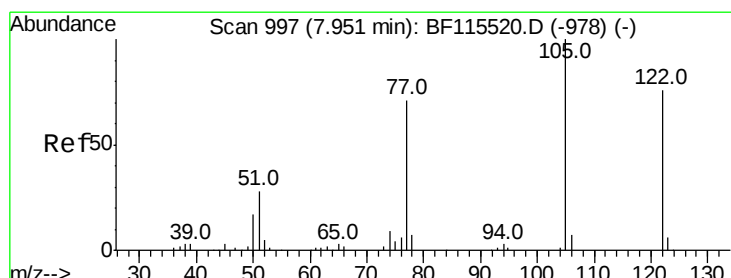
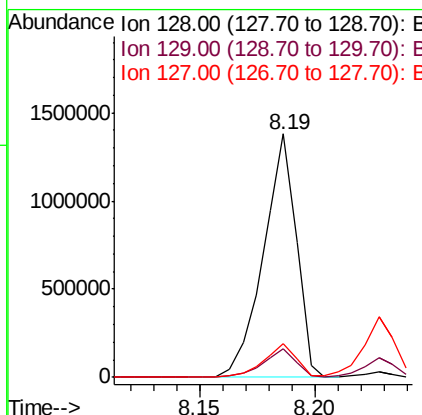
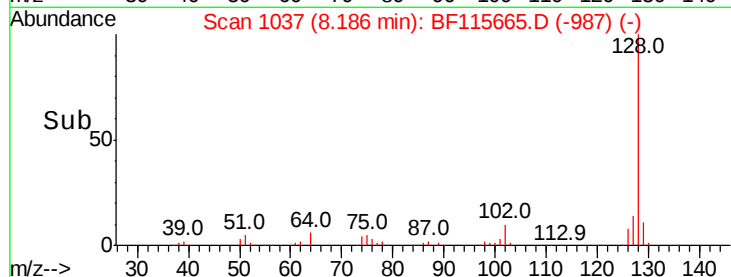
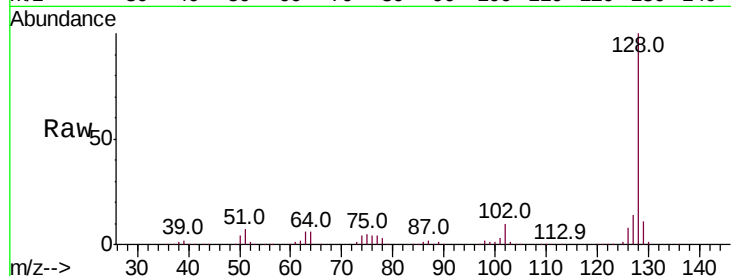
#31
Naphthalene
Concen: 42.544 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion:128 Resp: 1369776
Ion Ratio Lower Upper
128 100
129 11.5 9.9 14.9
127 13.9 12.1 18.1

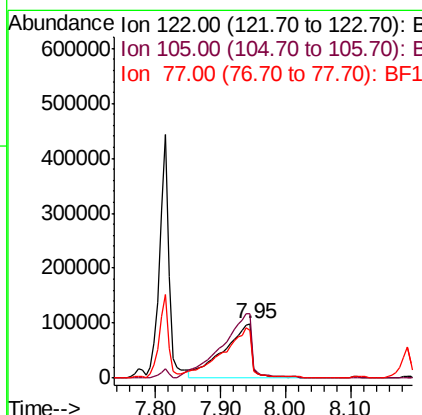
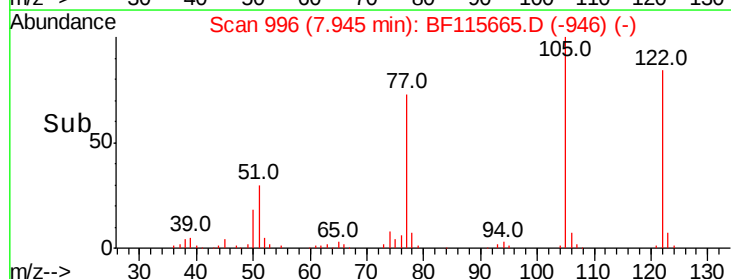
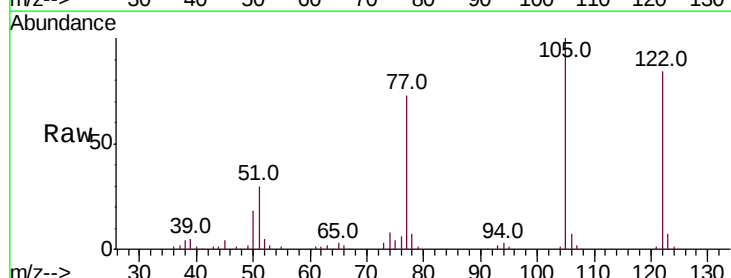
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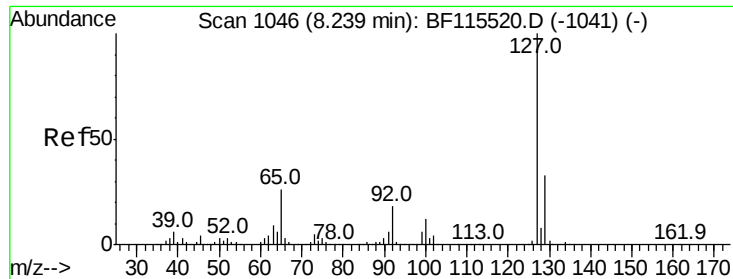
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#32
Benzoic acid
Concen: 38.976 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion:122 Resp: 303782
Ion Ratio Lower Upper
122 100
105 119.7 102.5 142.5
77 87.8 70.2 110.2





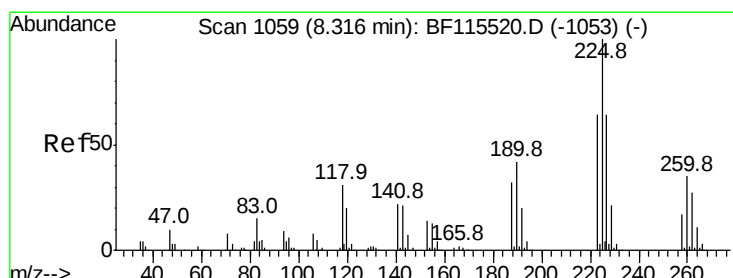
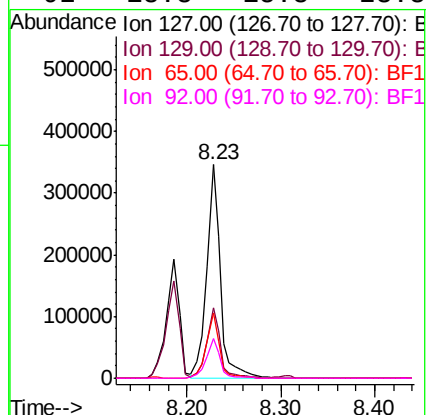
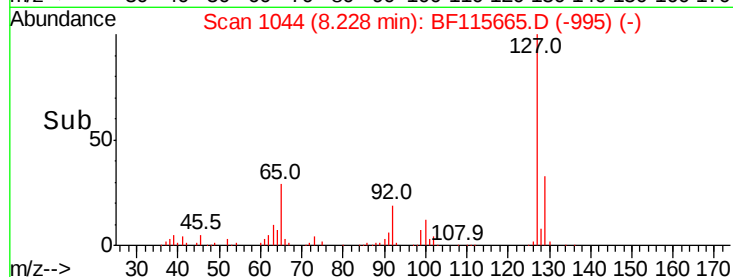
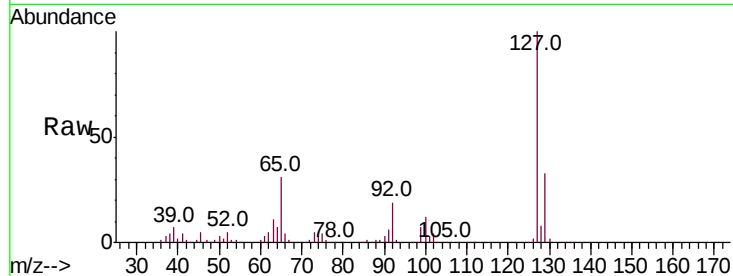
#33
4-Chloroaniline
Concen: 24.692 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampled :
PB121516BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.7	26.6	39.8	
65	30.6	23.7	35.5	
92	18.8	15.8	23.8	

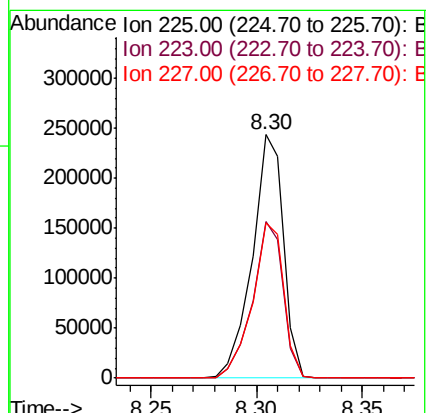
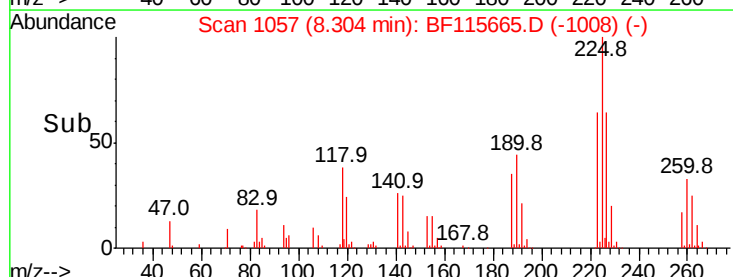
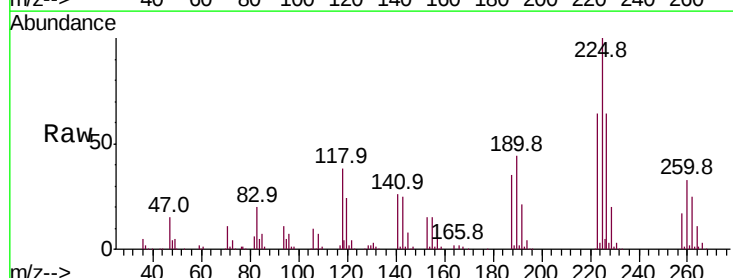
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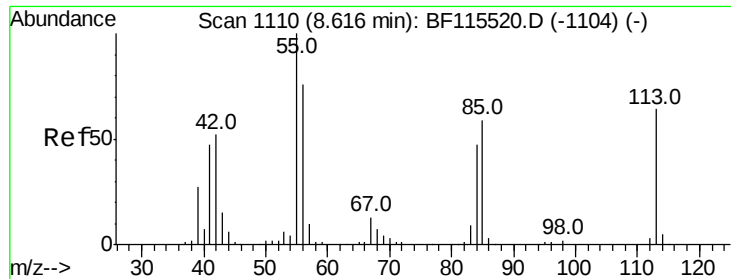
mohammad
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#34
Hexachlorobutadiene
Concen: 39.158 ng
RT: 8.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.4	50.9	76.3	
227	63.7	50.7	76.1	





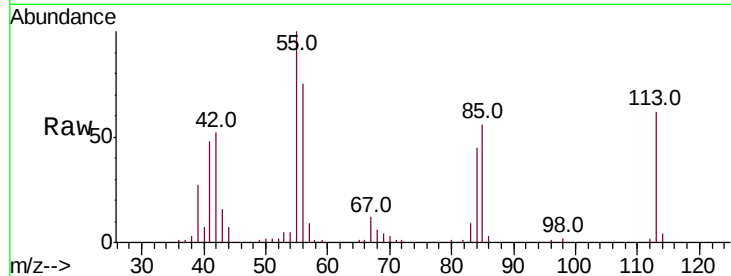
#35
Caprolactam
Concen: 41.013 ng/ml
RT: 8.60 min Scan# 1107
Delta R.T. -0.02 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

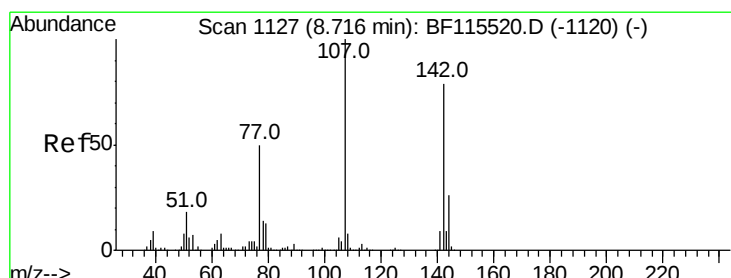
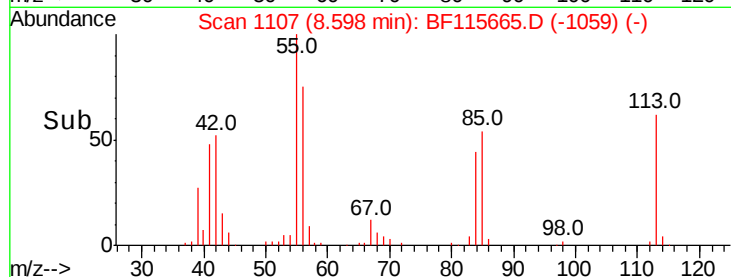
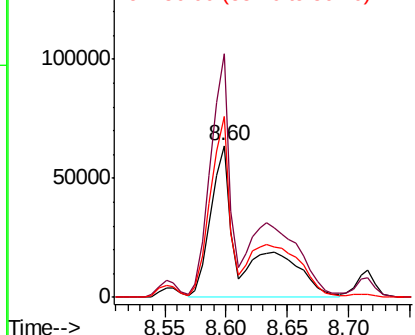
Tot Ion	Ratio	Lower	Upper
113	100		
55	160.4	126.9	166.9
56	119.5	90.3	130.3

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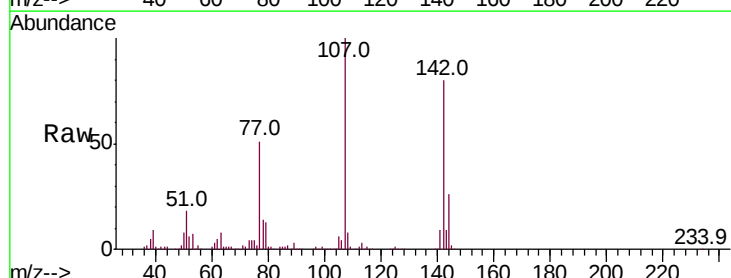


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

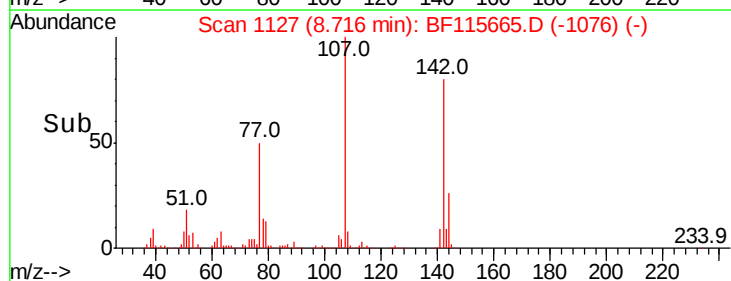
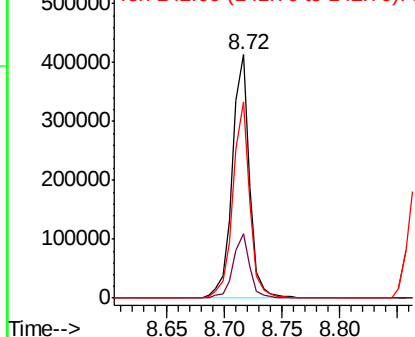


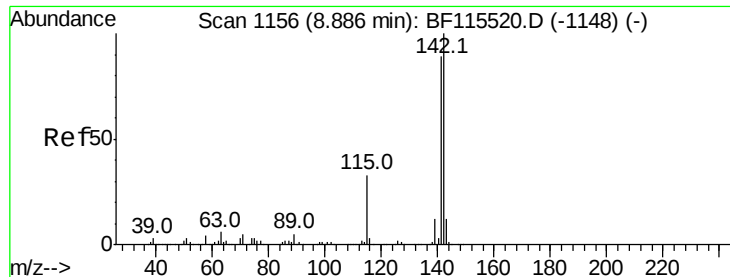
#36
4-Chloro-3-methylphenol
Concen: 41.646 ng/ml
RT: 8.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.6	30.8
142	80.4	63.1	94.7



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 42.956 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

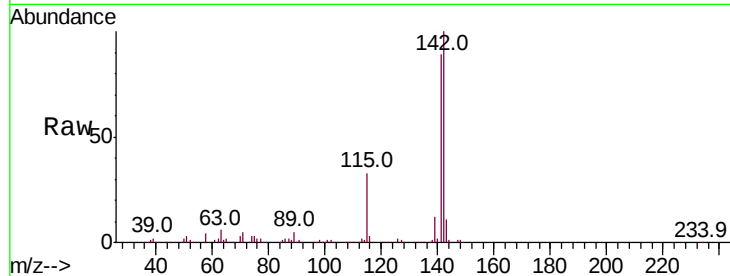
ClientSampleId :

PB121516BS

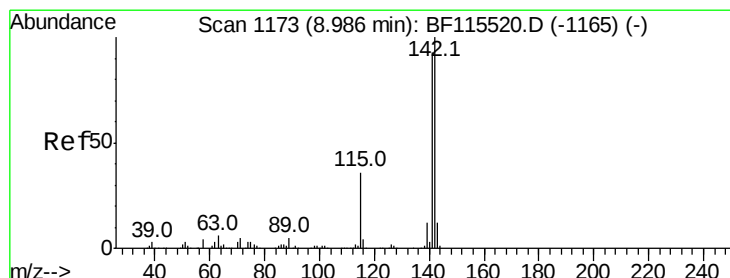
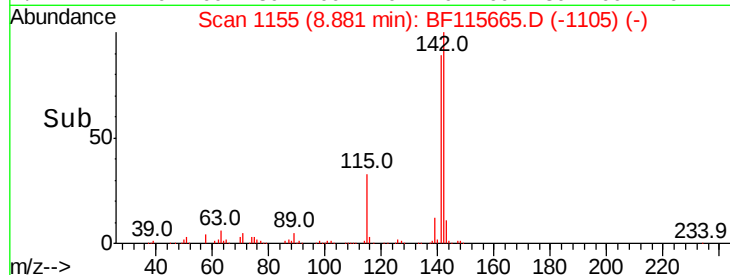
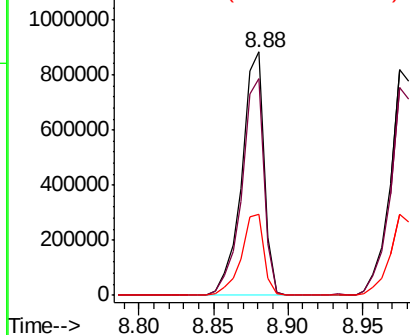
Tot Ion:	142	Resp:	916767
Ion Ratio	Lower	Upper	
142	100		
141	89.0	72.0	108.0
115	33.5	29.9	44.9

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 42.433 ng

RT: 8.97 min Scan# 1171

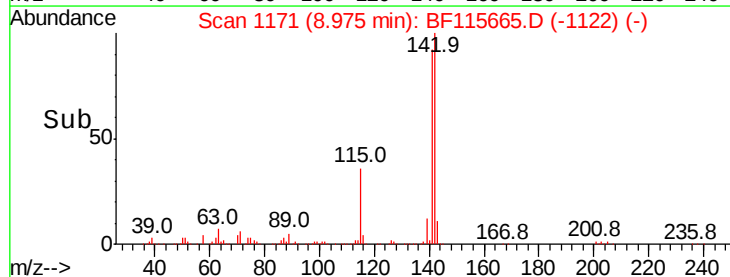
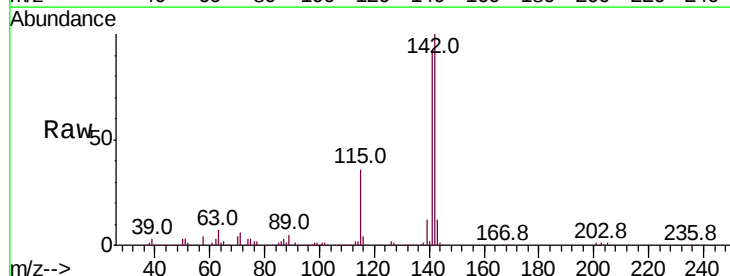
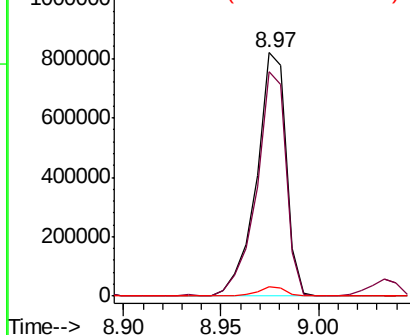
Delta R.T. -0.01 min

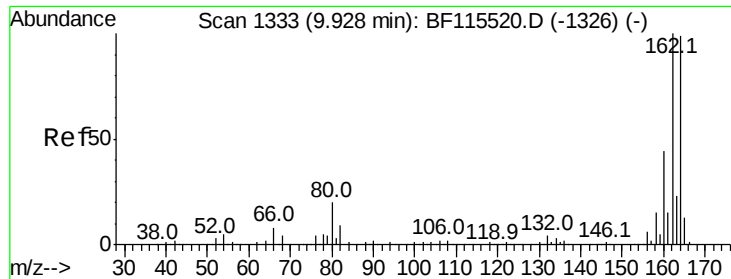
Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Tgt Ion:	142	Resp:	860175
Ion Ratio	Lower	Upper	
142	100		
141	92.1	75.3	112.9
116	3.9	3.3	4.9

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





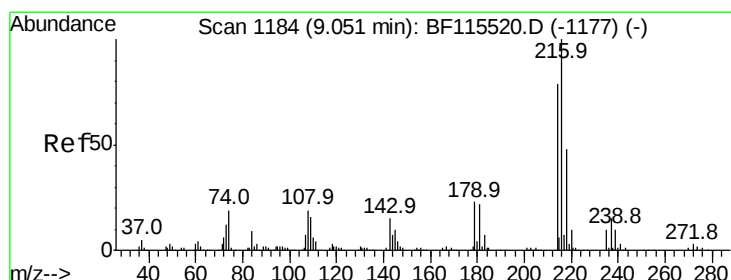
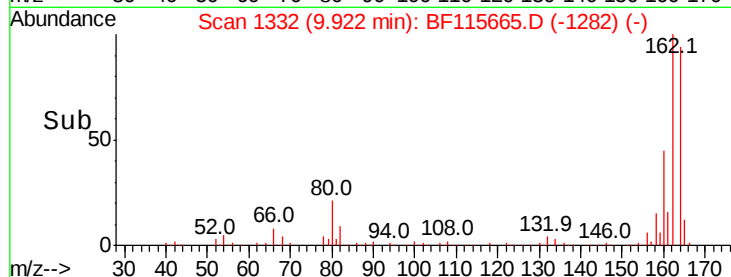
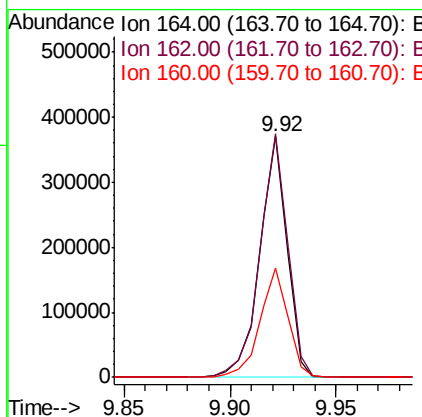
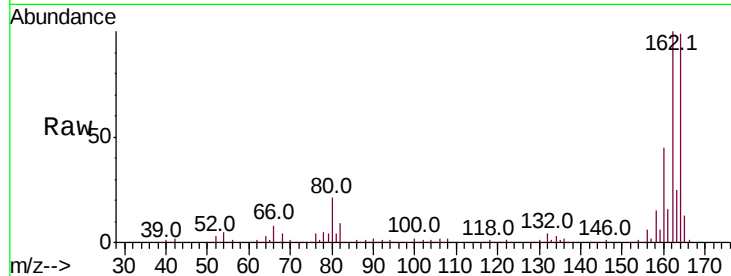
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	82.9	124.3	
160	45.4	36.8	55.2	

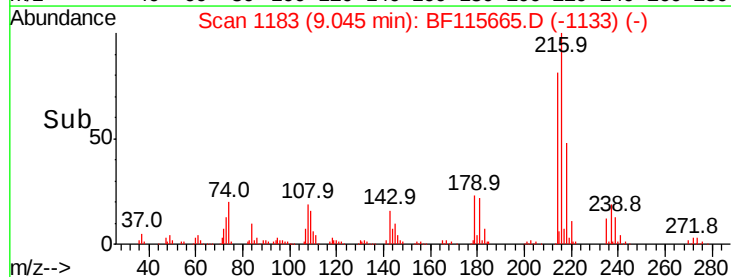
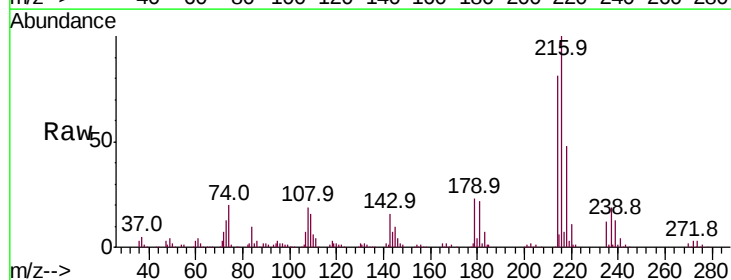
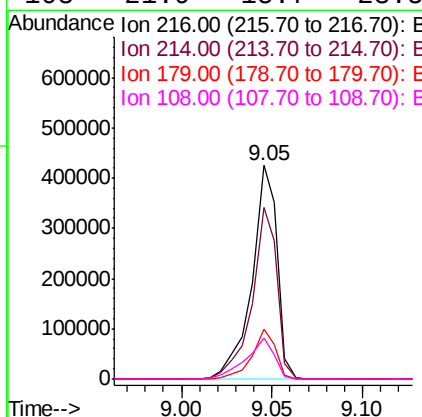
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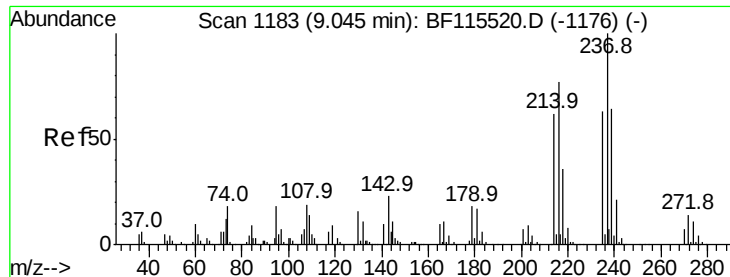
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.712 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.3	65.1	97.7	
179	22.1	18.3	27.5	
108	21.9	15.7	23.5	





#41

Hexachlorocyclopentadiene

Concen: 82.816 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

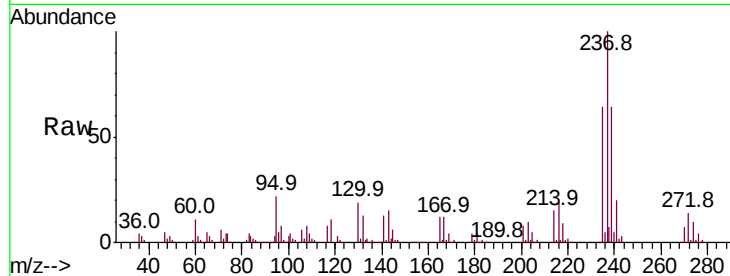
ClientSampleId :

PB121516BS

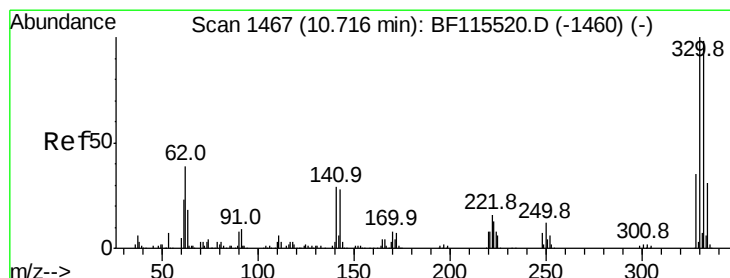
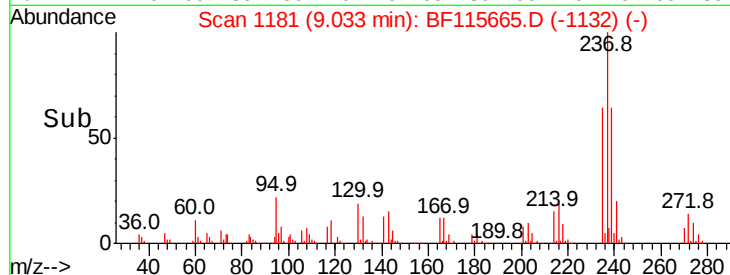
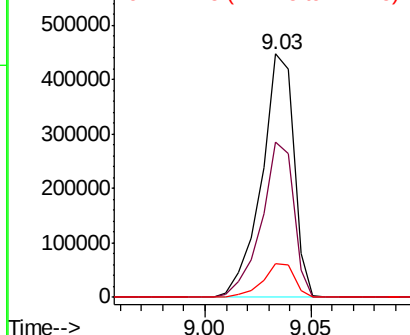
Tot Ion:	237	Resp:	476162
Ion Ratio	Lower	Upper	
237	100		
235	63.6	43.6	83.6
272	13.6	0.0	33.9

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 79.199 ng

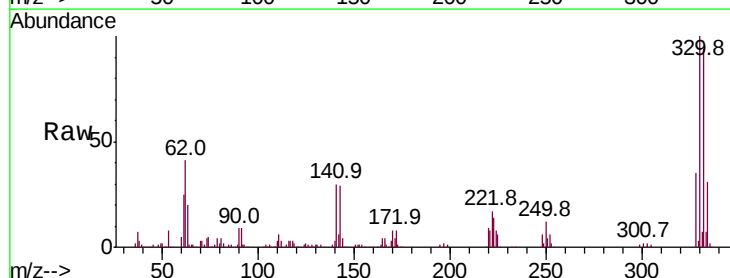
RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

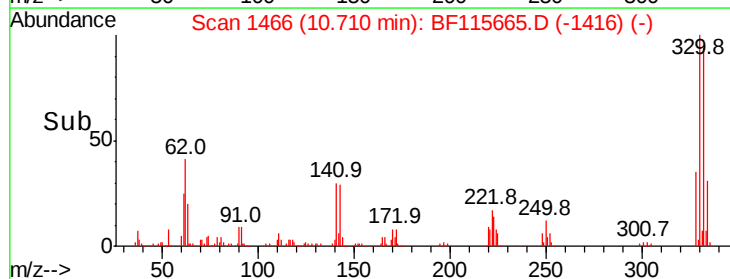
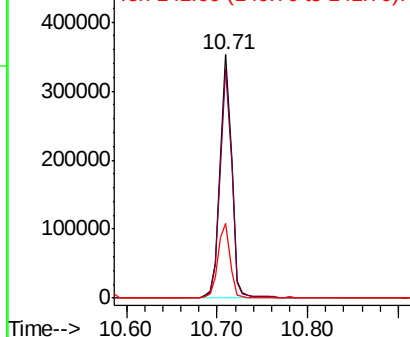
Lab File: BF115665.D

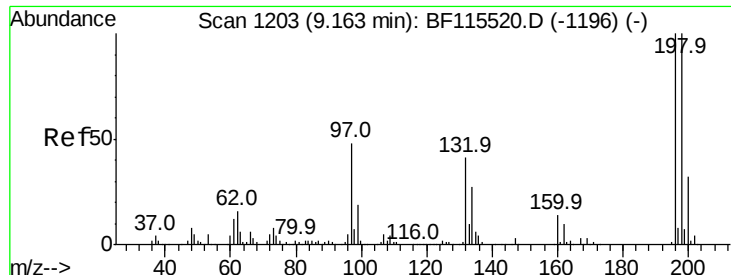
Acq: 19 Jul 2019 9:16

Tgt Ion:	330	Resp:	309421
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.4	116.2
141	32.4	22.4	33.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





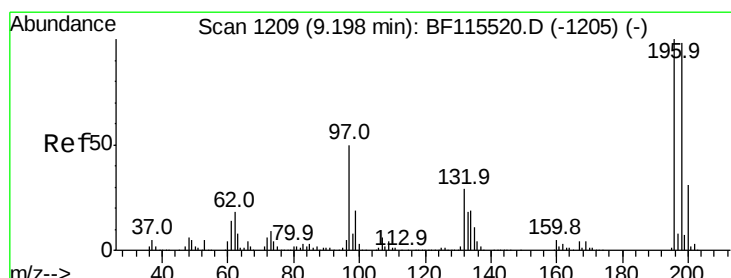
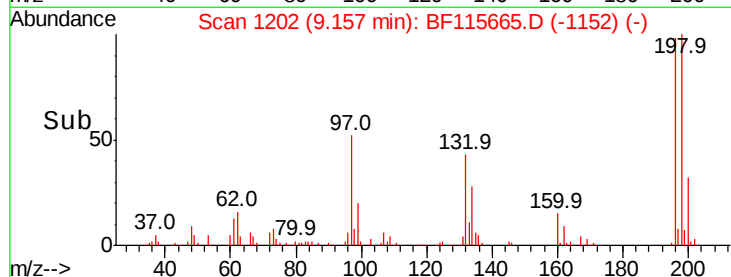
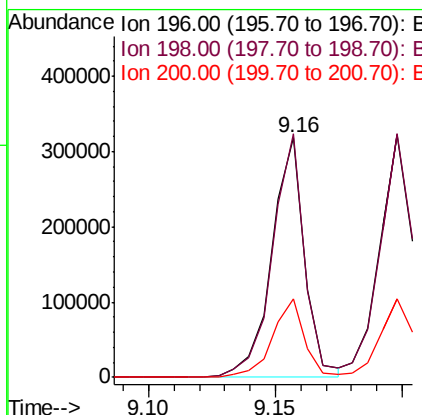
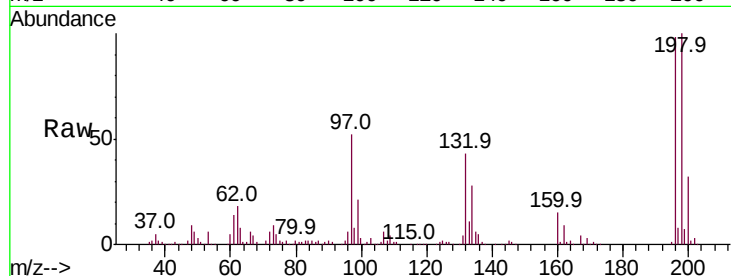
#43
 2,4,6-Trichlorophenol
 Concen: 39.383 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	290292		
198	101.6	80.6	121.0	
200	32.6	25.8	38.6	

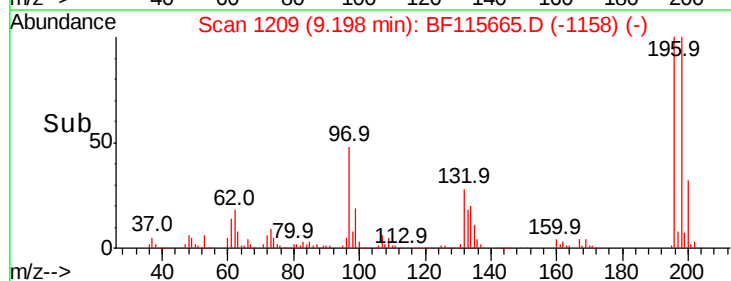
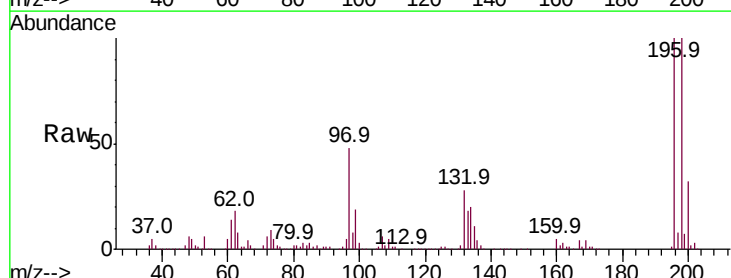
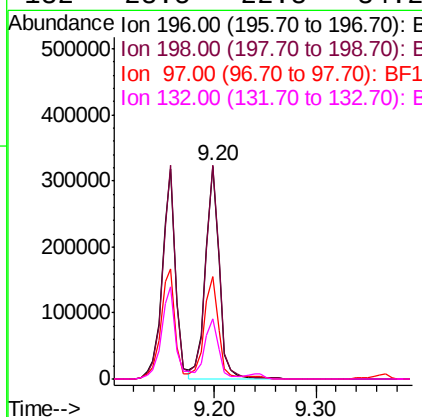
Manual Integrations
 APPROVED

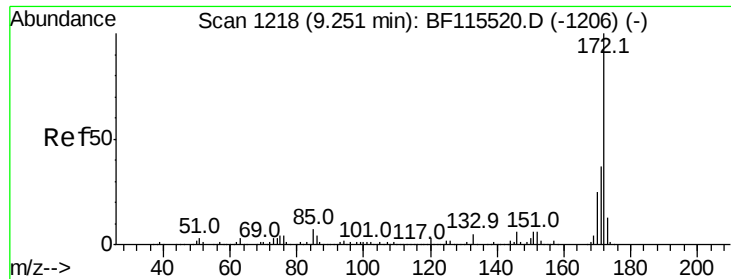
mohammad
 7/22/2019 10:01:07 AM



#44
 2,4,5-Trichlorophenol
 Concen: 40.234 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	303710		
198	100.4	79.6	119.4	
97	48.2	37.8	56.6	
132	28.5	22.8	34.2	





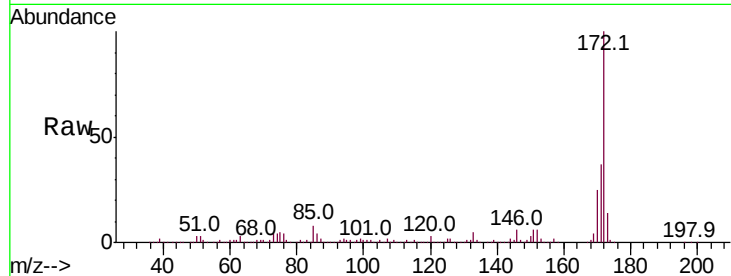
#45
2-Fluorobiphenyl
Concen: 91.260 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	46.0
170	25.0	20.5	30.7

Manual Integrations
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7/22/2019 10:01:07 AM

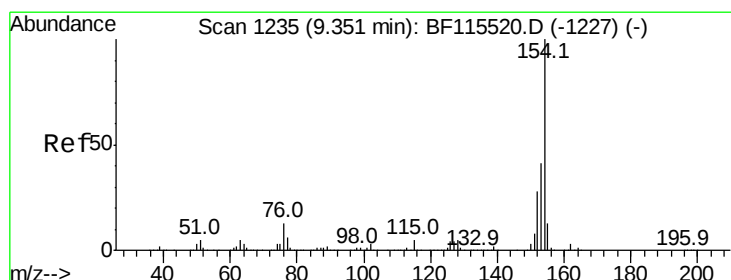
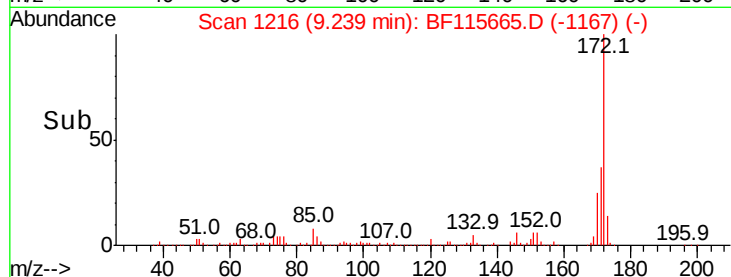
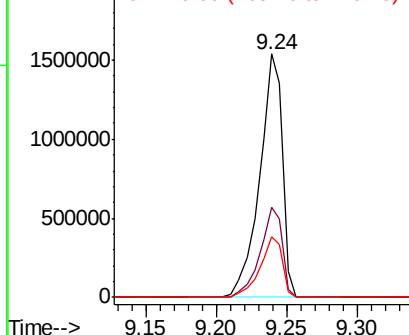


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 42.653 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

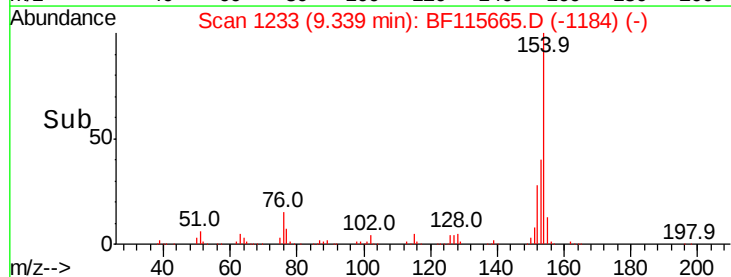
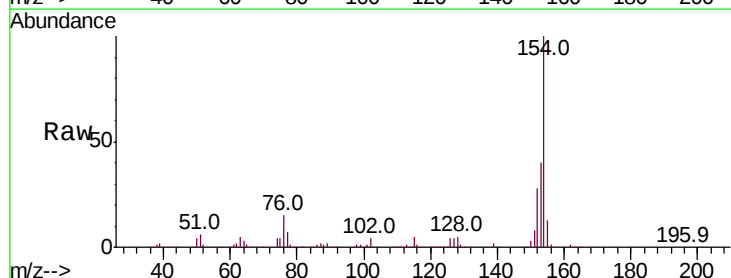
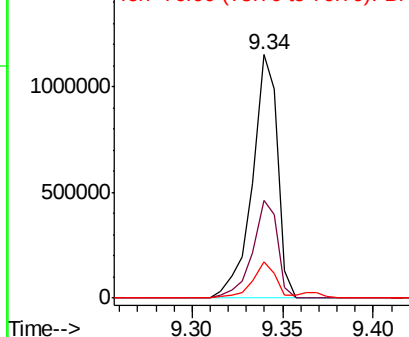
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	22.6	62.6
76	14.8	0.0	33.4

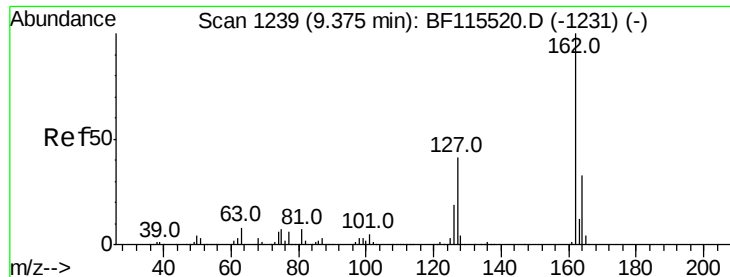
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





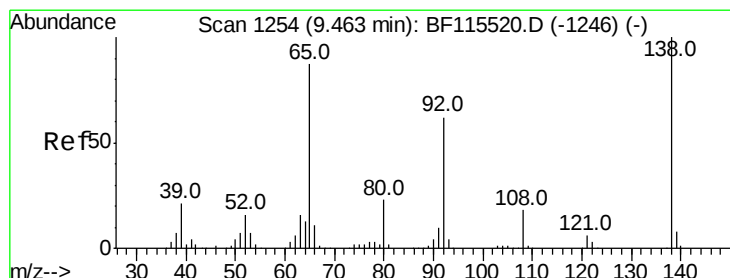
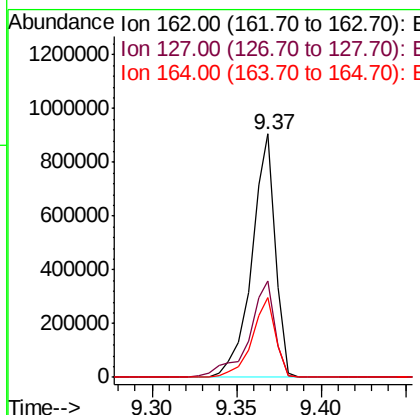
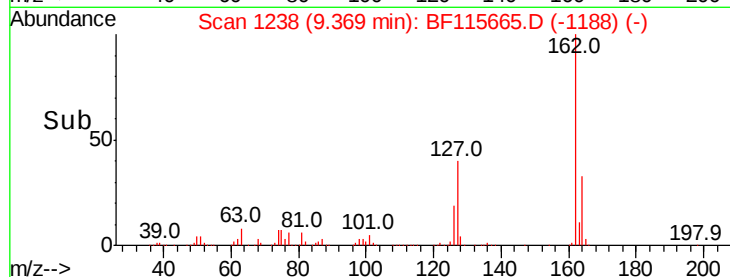
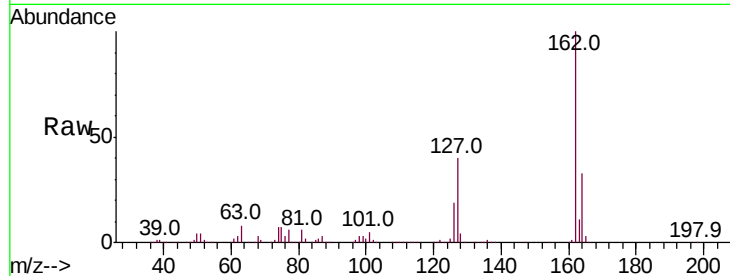
#47
 2-Chloronaphthalene
 Concen: 40.425 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BS

Tot Ion:	162	Resp:	880796
Ion Ratio	Lower	Upper	
162	100		
127	39.5	34.1	51.1
164	32.9	27.4	41.2

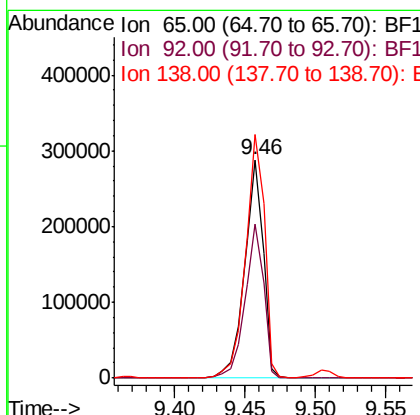
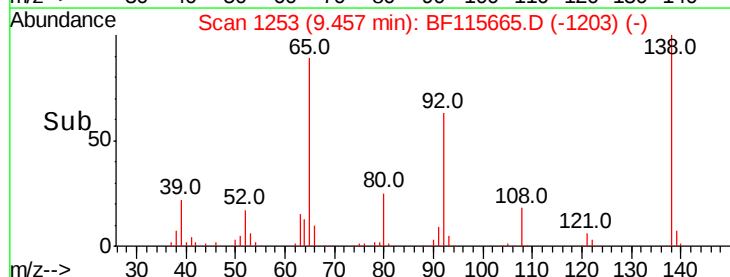
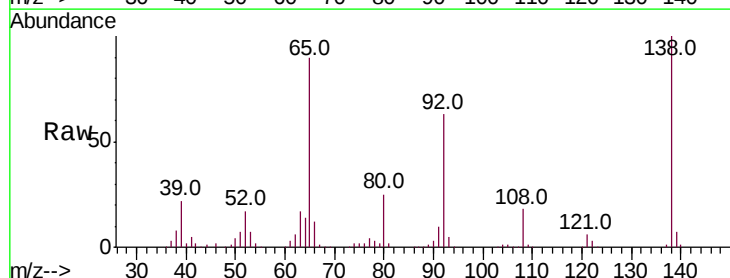
Manual Integrations
 APPROVED

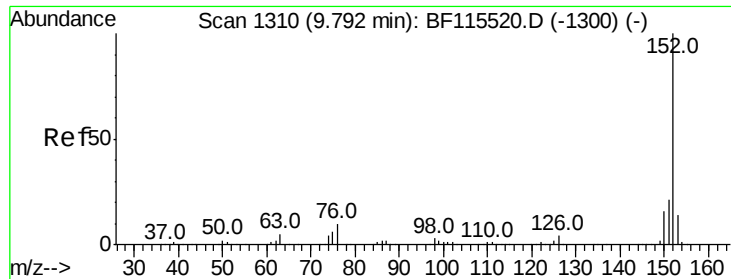
mohammad
 7/22/2019 10:01:07 AM



#48
 2-Nitroaniline
 Concen: 39.386 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Tgt Ion:	65	Resp:	265613
Ion Ratio	Lower	Upper	
65	100		
92	70.5	57.8	86.6
138	111.5	91.2	136.8





#49

Acenaphthylene

Concen: 41.163 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

ClientSampleId :

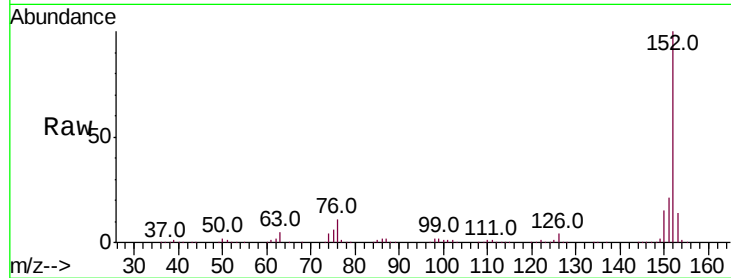
PB121516BS

Tot Ion:152 Resp: 1328964

Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.7	26.5
153	14.0	12.0	18.0

Manual Integrations
APPROVED

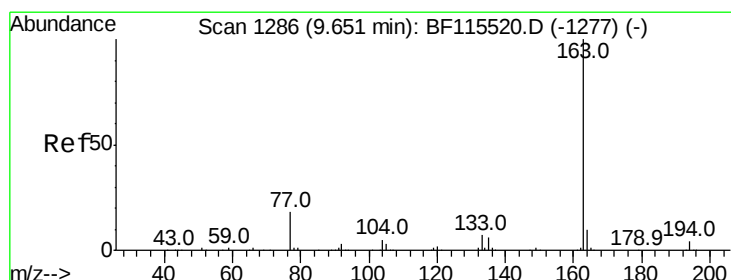
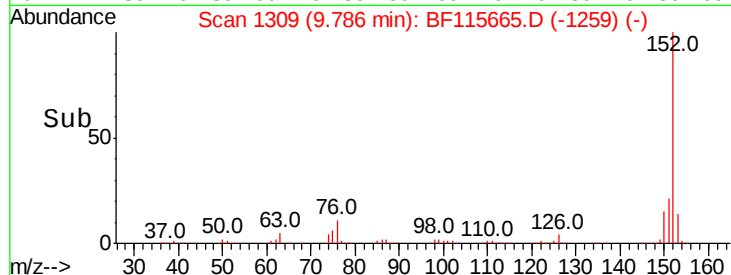
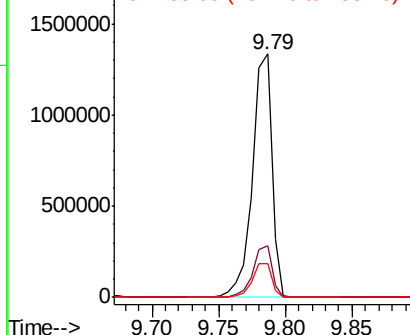
mohammad
7/22/2019 10:01:07 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 39.987 ng

RT: 9.64 min Scan# 1284

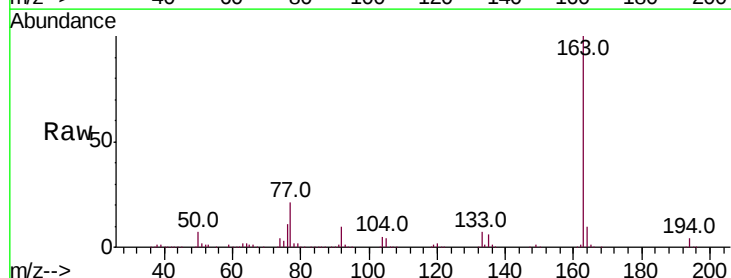
Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Tgt Ion:163 Resp: 1006992

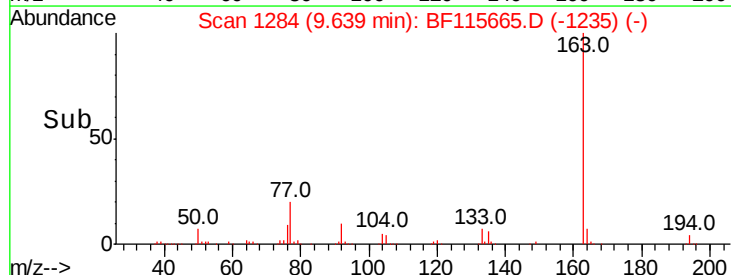
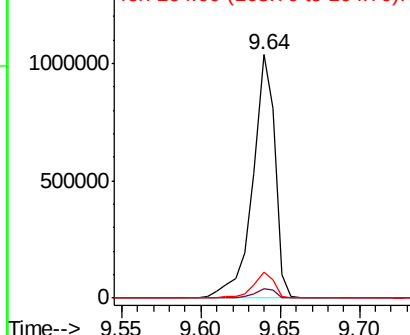
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.5	8.7	13.1

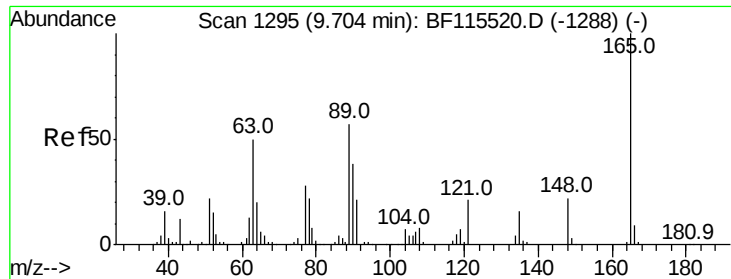


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





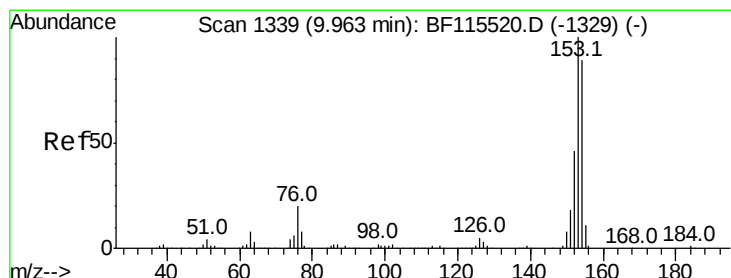
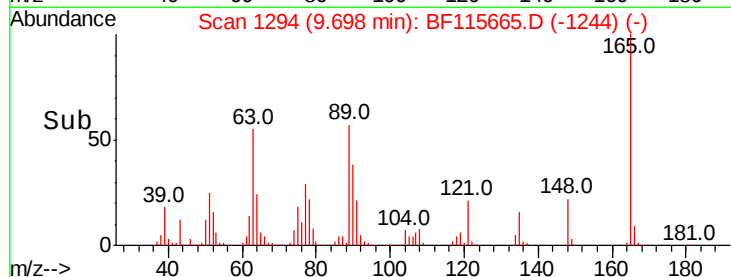
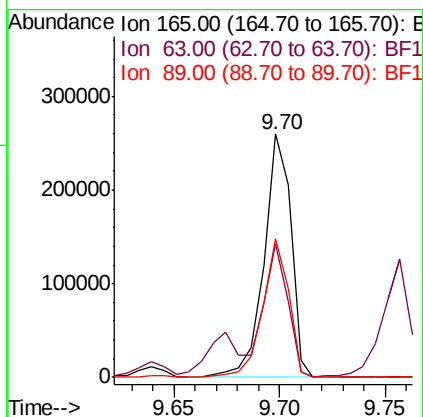
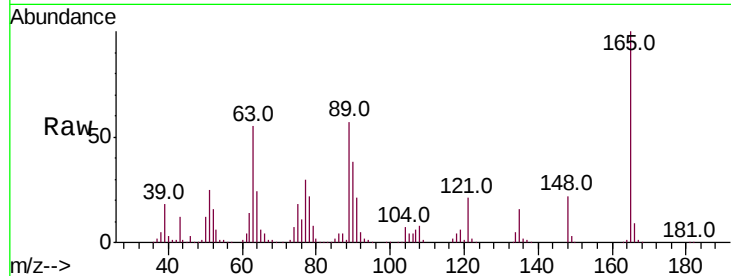
#51
2,6-Dinitrotoluene
Concen: 40.318 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	54.8	40.6	61.0
89	57.1	43.9	65.9

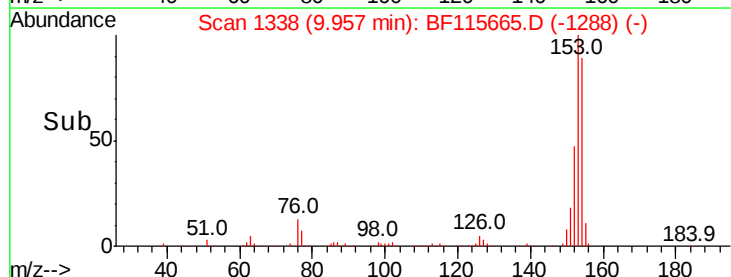
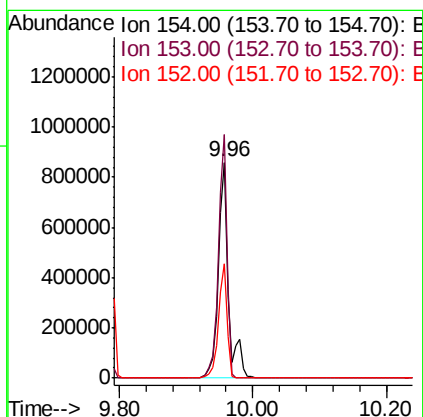
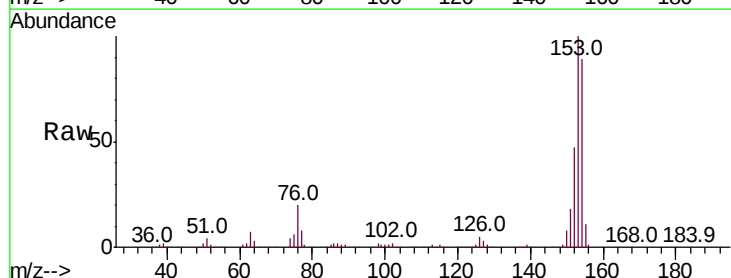
Manual Integrations
APPROVED

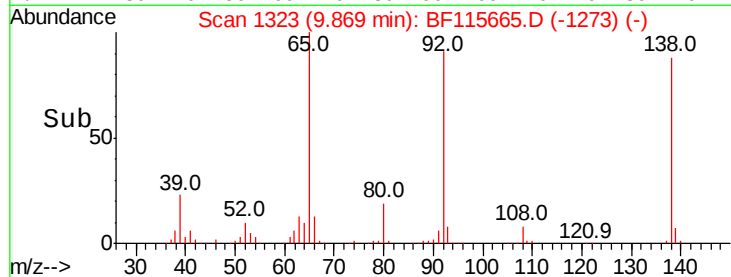
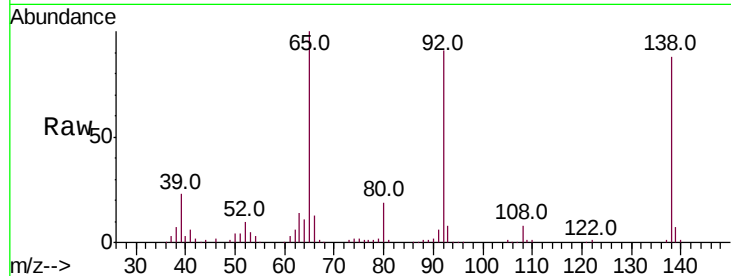
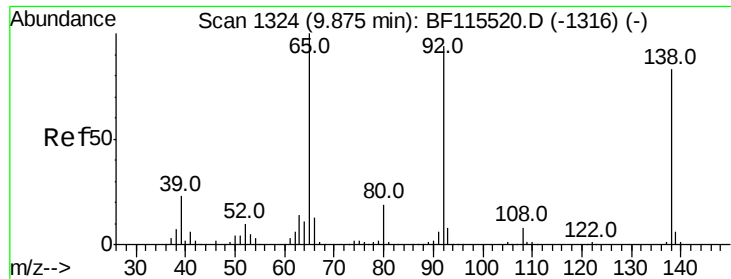
mohammad
7/22/2019 10:01:07 AM



#52
Acenaphthene
Concen: 44.727 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.9	88.6	133.0
152	53.2	42.3	63.5





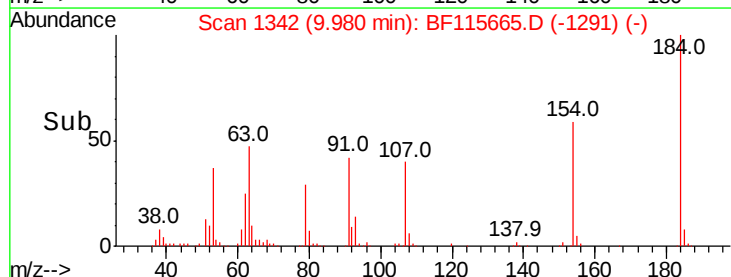
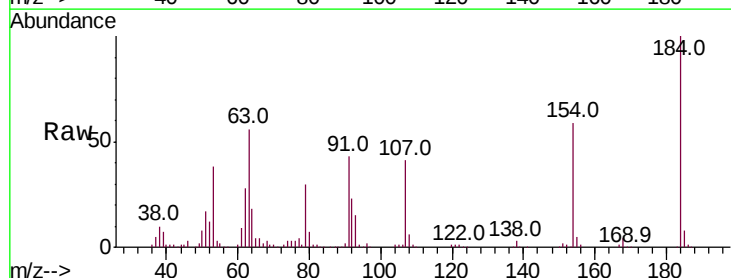
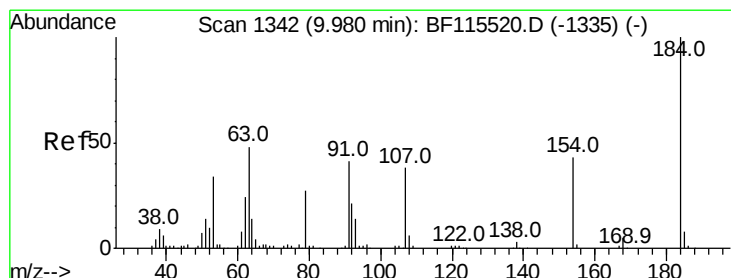
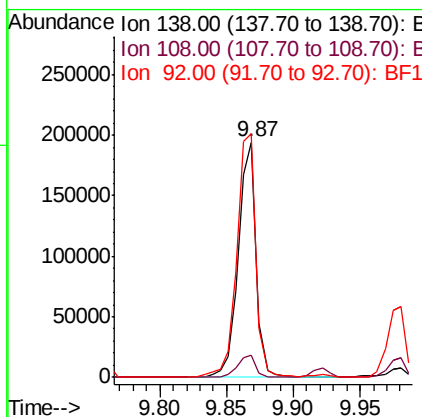
#53
3-Nitroaniline
Concen: 27.842 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tot Ion	Ratio	Resp	Lower	Upper
138	100	182087		
108	9.4	8.4	12.6	
92	103.5	88.0	132.0	

Instrument :
BNA_F
ClientSampleID :
PB121516BS

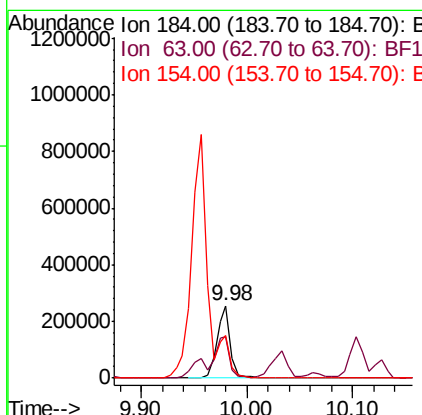
Manual Integrations
APPROVED

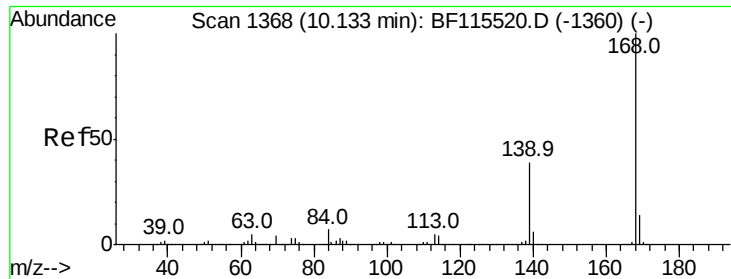
mohammad
7/22/2019 10:01:07 AM



#54
2,4-Dinitrophenol
Concen: 79.119 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	232473		
63	56.1	48.7	73.1	
154	59.4	48.6	73.0	





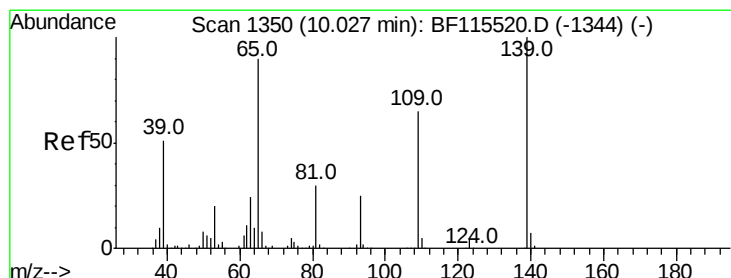
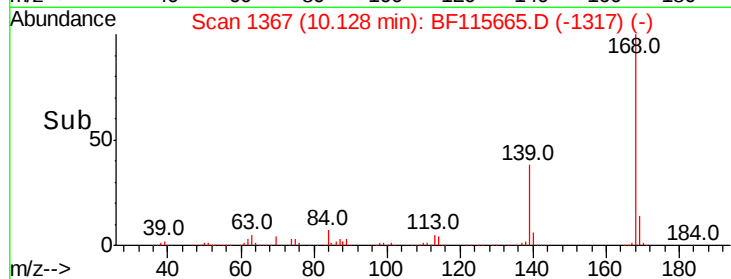
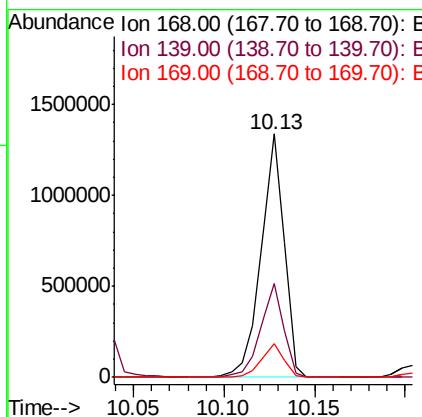
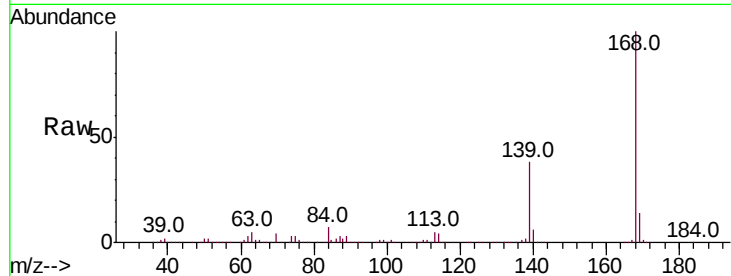
#55
Dibenzofuran
Concen: 40.369 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	31.1	46.7
169	14.0	11.1	16.7

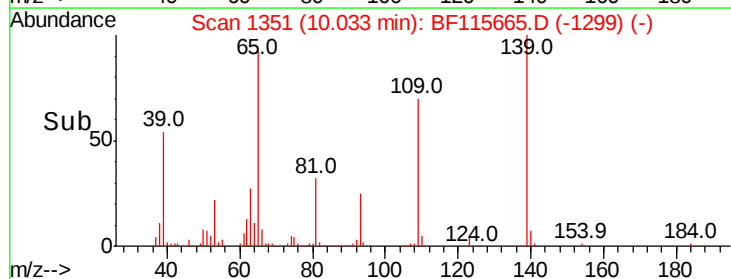
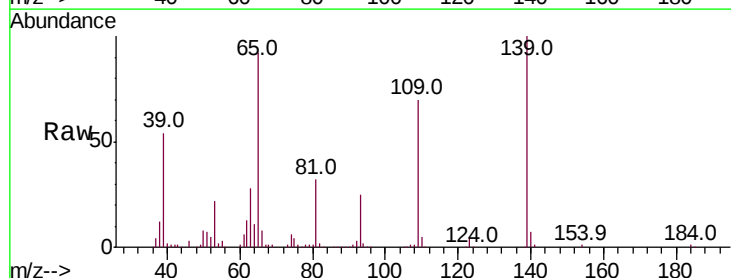
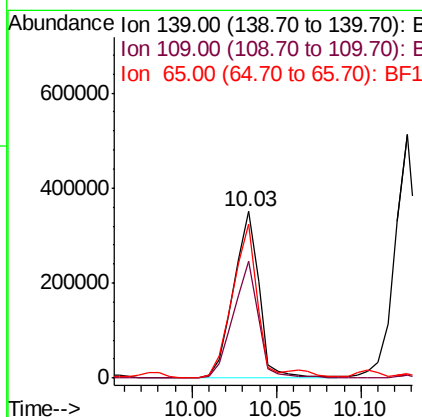
Manual Integrations
APPROVED

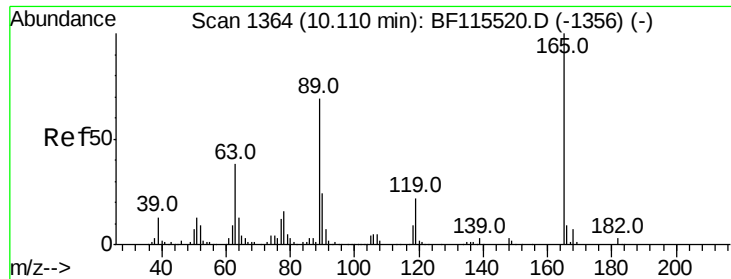
mohammad
7/22/2019 10:01:07 AM



#56
4-Nitrophenol
Concen: 73.853 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	70.4	46.4	86.4
65	92.4	68.9	108.9





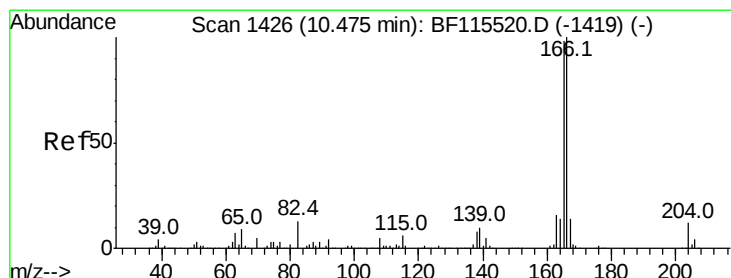
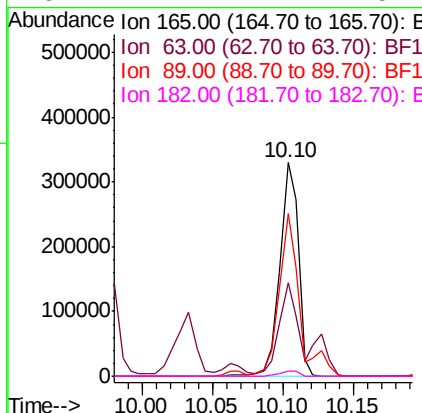
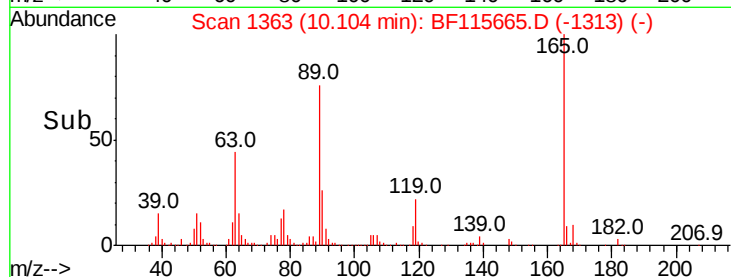
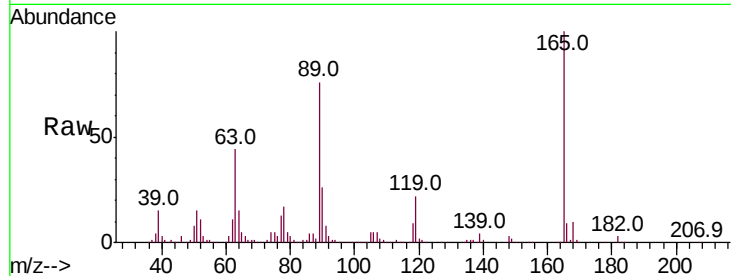
#57
 2,4-Dinitrotoluene
 Concen: 40.835 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	43.6	34.9	52.3	
89	76.0	57.5	86.3	
182	2.7	2.2	3.4	

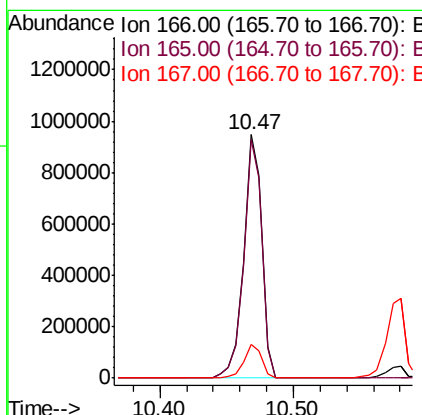
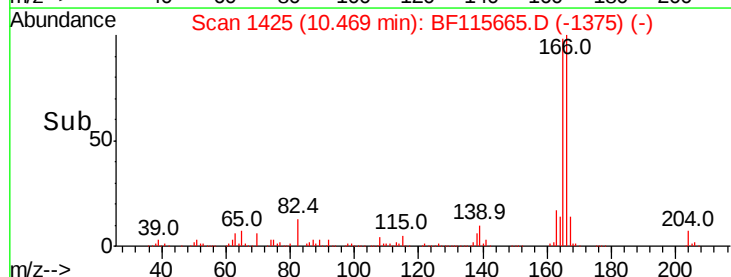
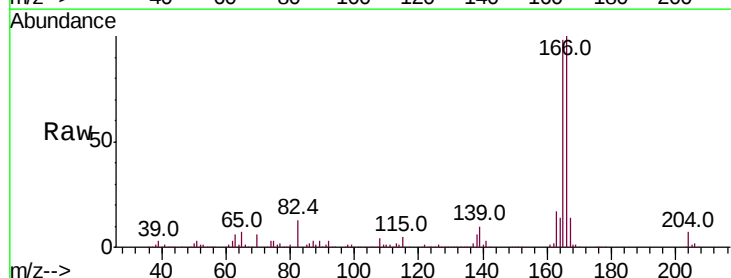
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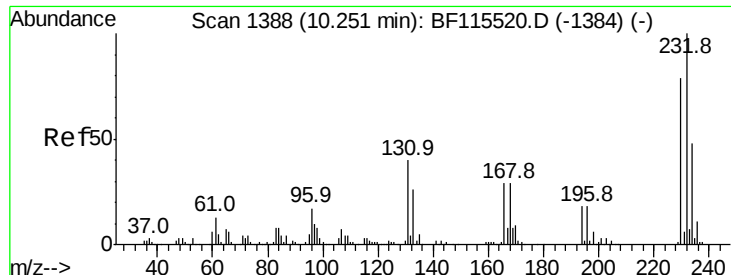
mohammad
 7/22/2019 10:01:07 AM



#58
 Fluorene
 Concen: 41.720 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.8	79.8	119.6	
167	13.8	11.2	16.8	





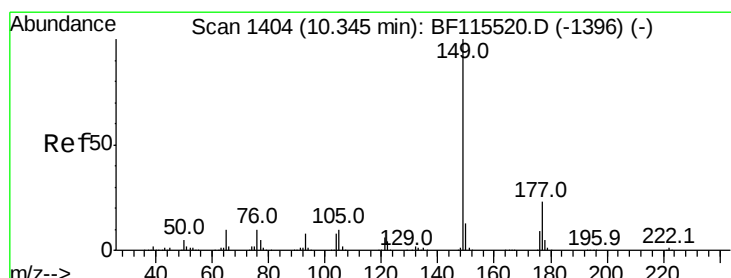
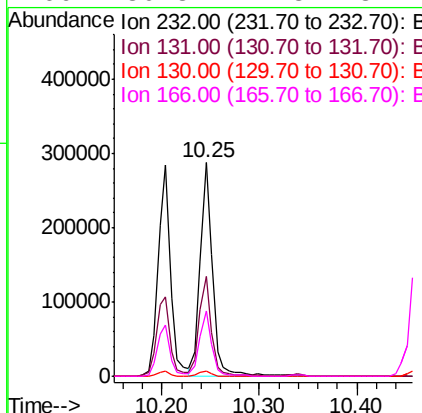
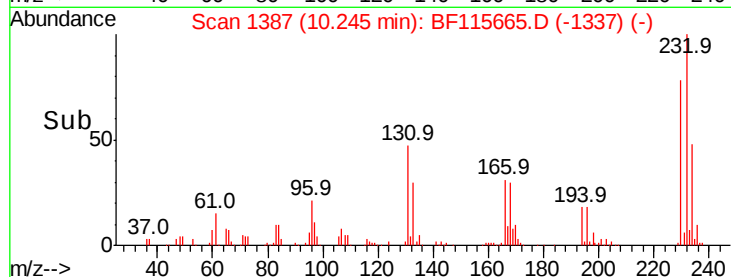
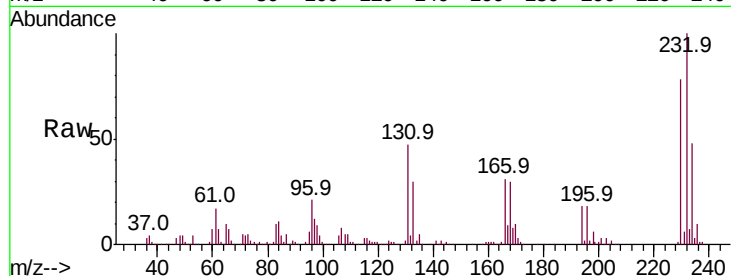
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.158 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	253409		
131	47.6		35.9	53.9
130	2.3		1.8	2.6
166	30.3		24.8	37.2

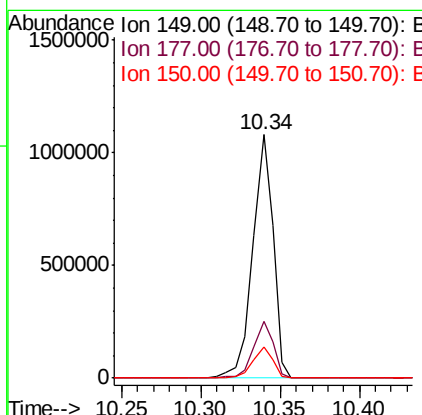
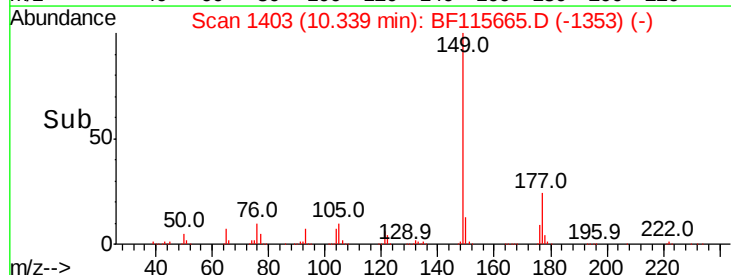
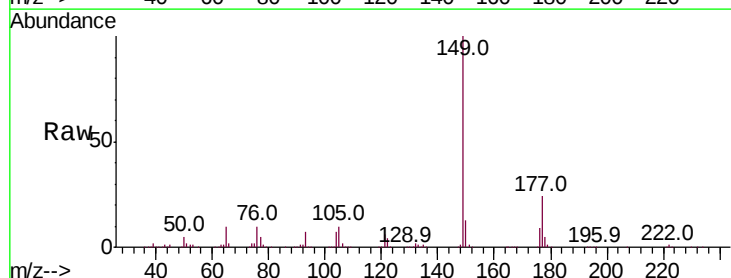
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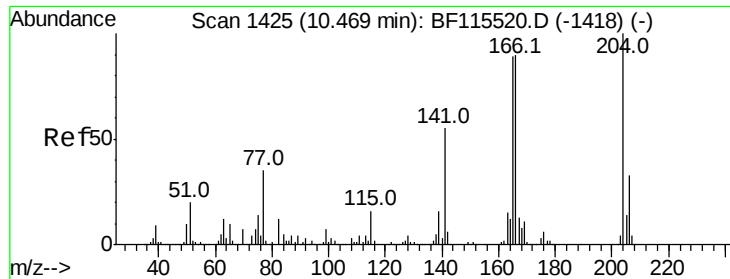
mohammad
 7/22/2019 10:01:07 AM



#60
 Diethylphthalate
 Concen: 40.813 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	962998		
177	23.5		19.5	29.3
150	12.8		10.4	15.6





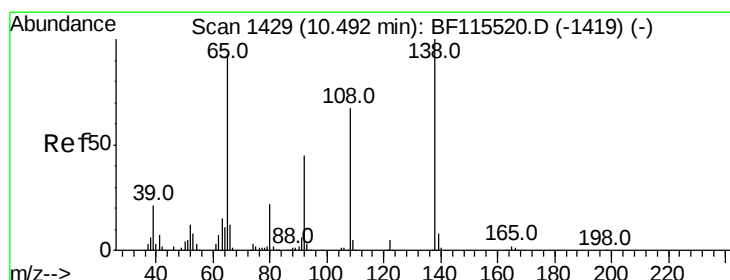
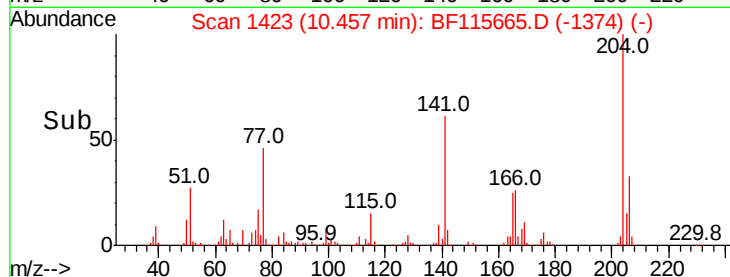
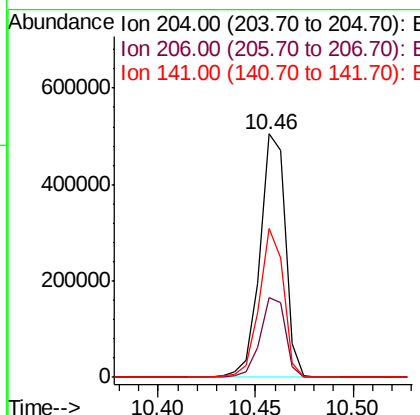
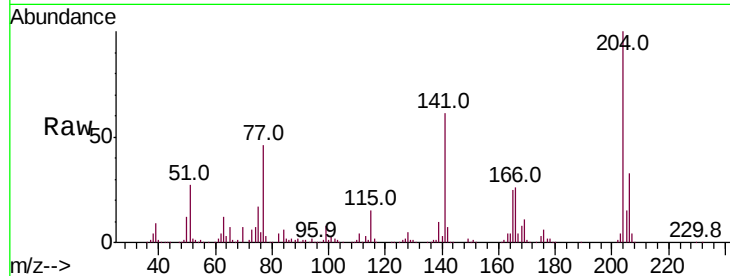
#61
4-Chlorophenyl-phenylether
Concen: 38.903 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.7	40.1
141	60.9	44.2	66.2

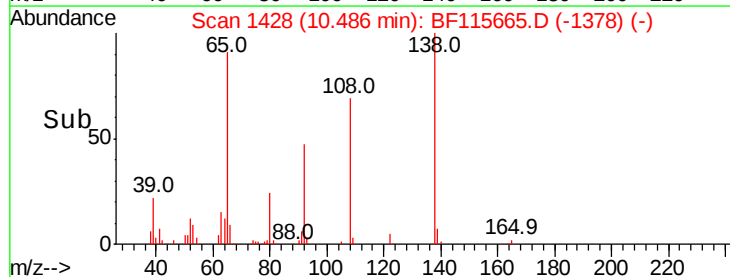
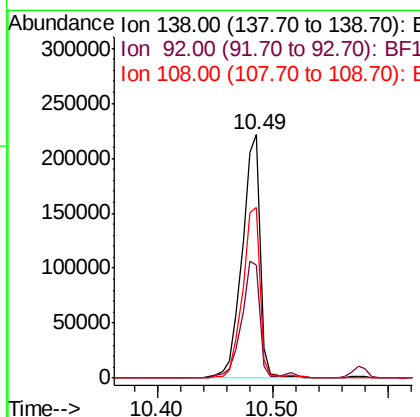
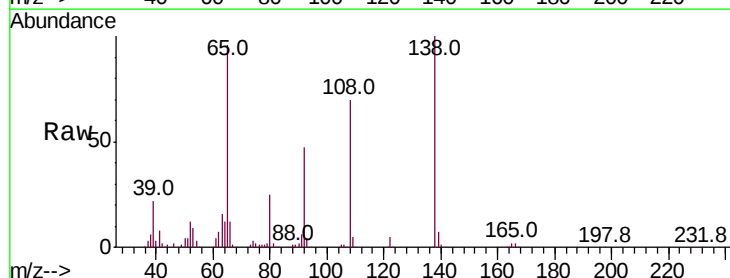
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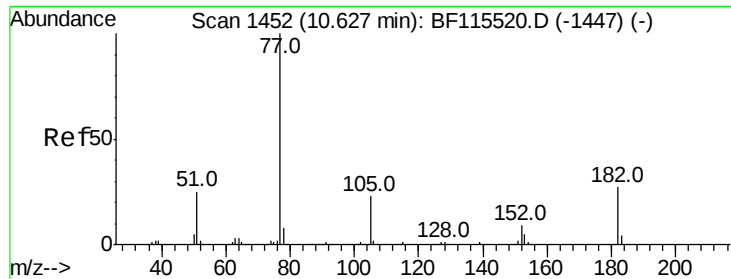
mohammad
7/22/2019 10:01:07 AM



#62
4-Nitroaniline
Concen: 38.138 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.7	27.1	67.1
108	70.2	48.0	88.0





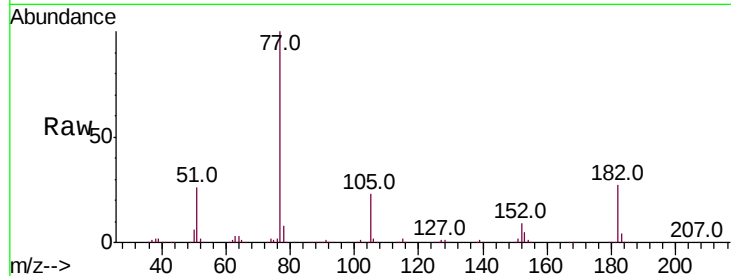
#63
Azobenzene
Concen: 42.819 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

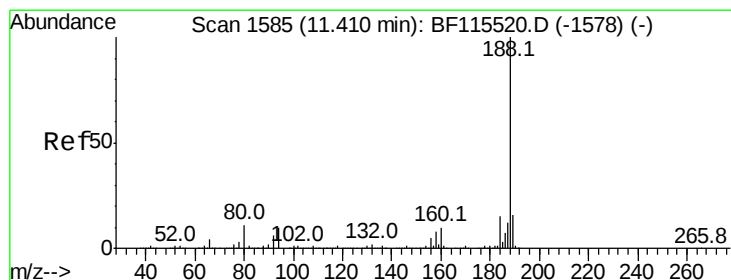
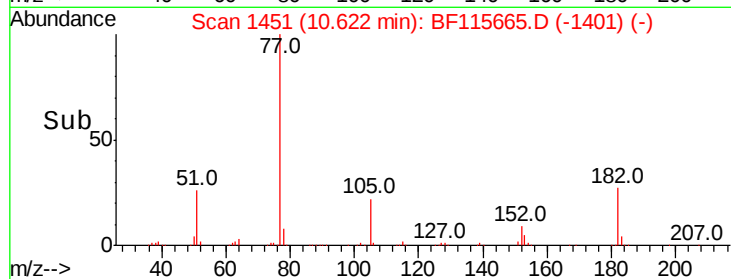
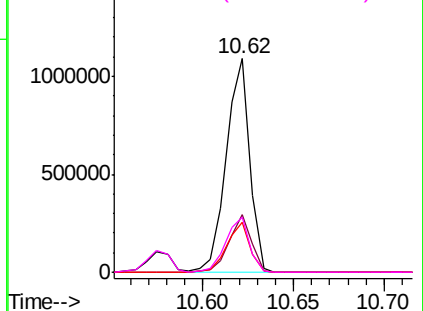
Tot Ion	Ratio	Resp	Lower	Upper
77	100			
182	26.8	6.9	46.9	
105	23.3	3.9	43.9	
51	25.8	7.3	47.3	

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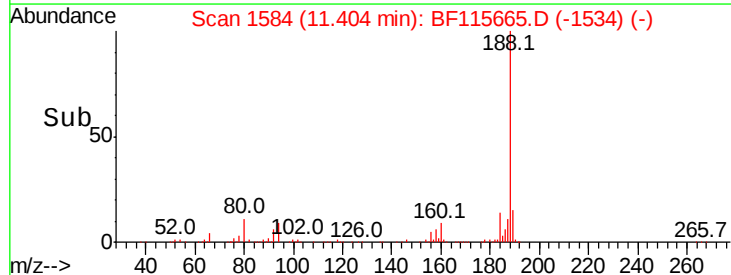
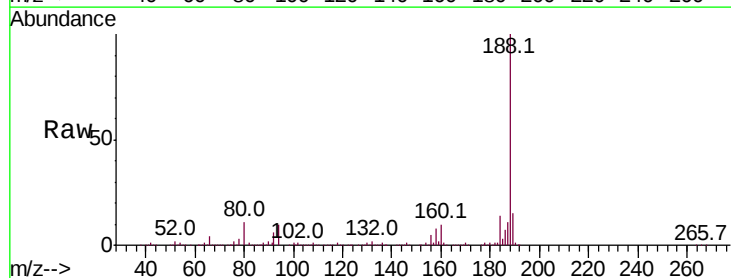
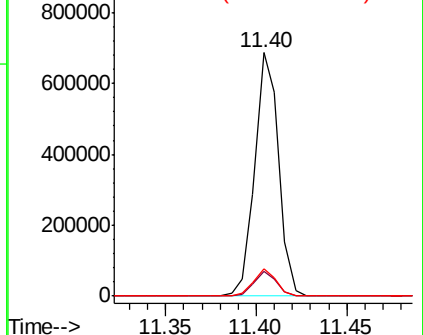
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

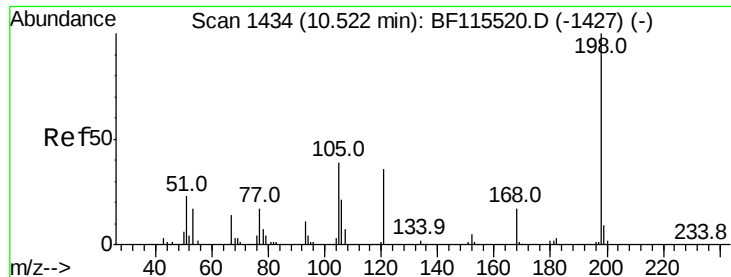


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.1	7.8	11.6	
80	11.0	8.6	13.0	

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 40.812 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

ClientSampleId :

PB121516BS

Tot Ion:198 Resp: 156713

Ion Ratio Lower Upper

198 100

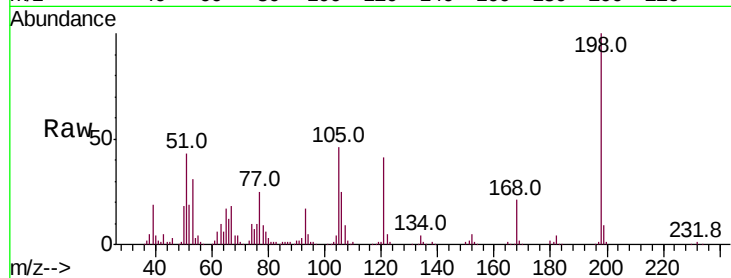
51 43.3 19.1 59.1

105 46.3 23.6 63.6

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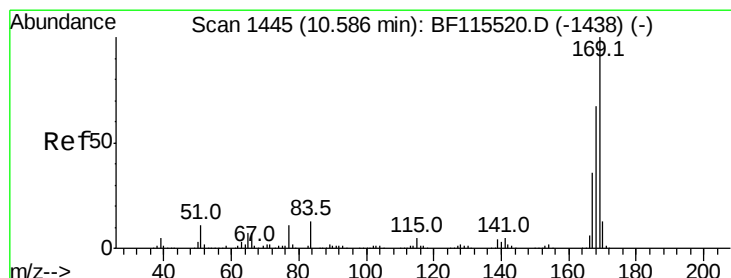
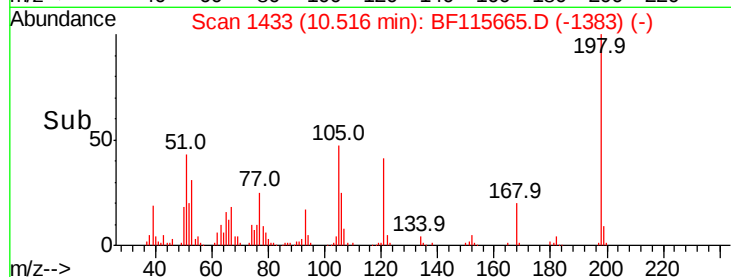
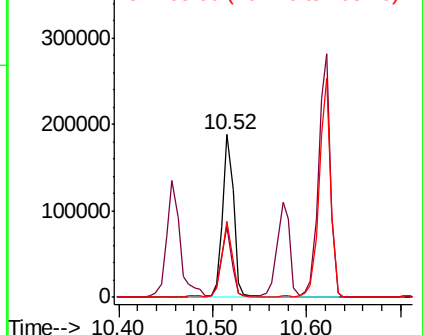
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 41.445 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

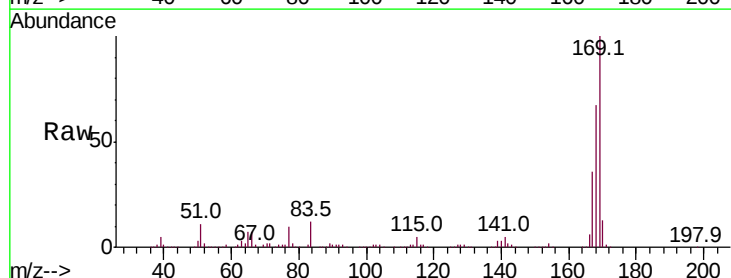
Tgt Ion:169 Resp: 810248

Ion Ratio Lower Upper

169 100

168 66.8 54.3 81.5

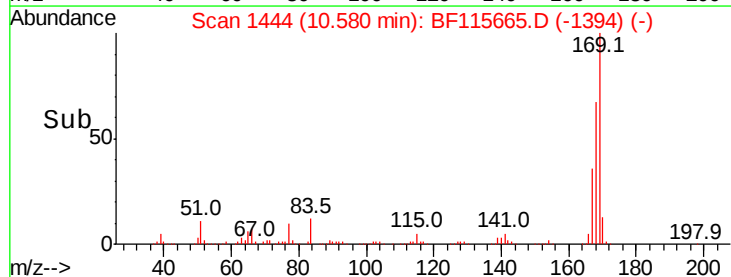
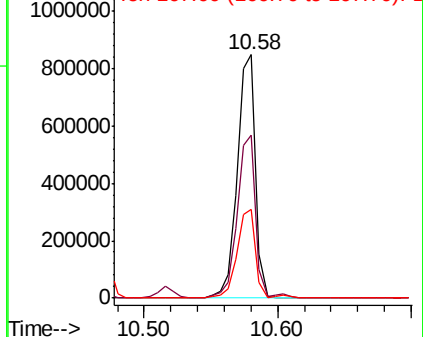
167 36.5 30.2 45.2

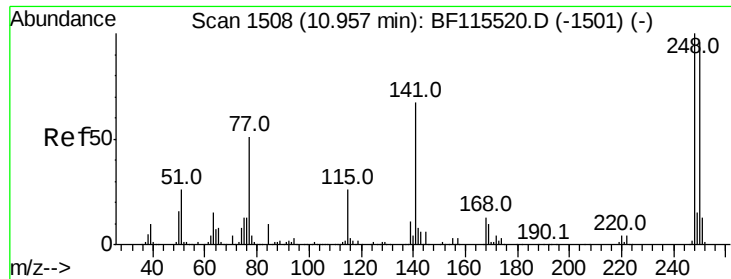


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





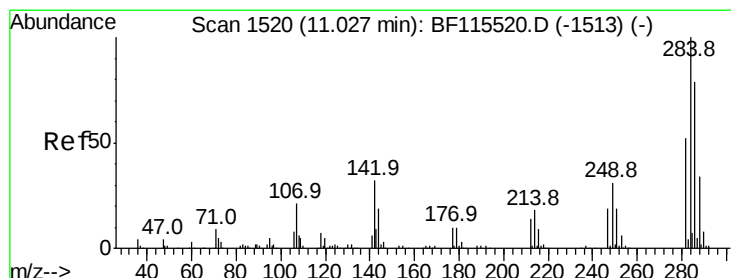
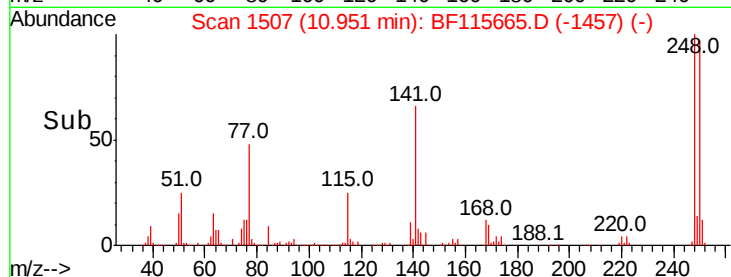
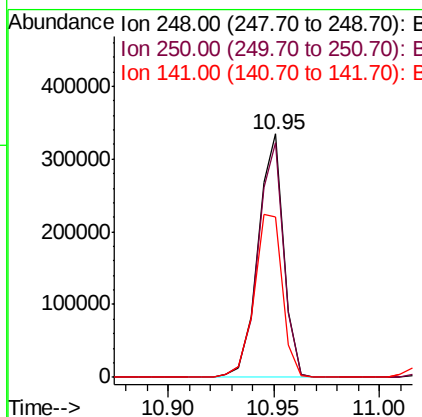
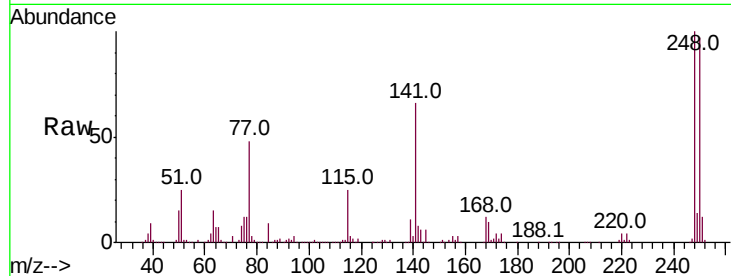
#67
 4-Bromophenyl-phenylether
 Concen: 39.394 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BS

Tot Ion	Ratio	Resp	Lower	Upper
248	100			
250	96.5	78.0	117.0	
141	65.7	57.7	86.5	

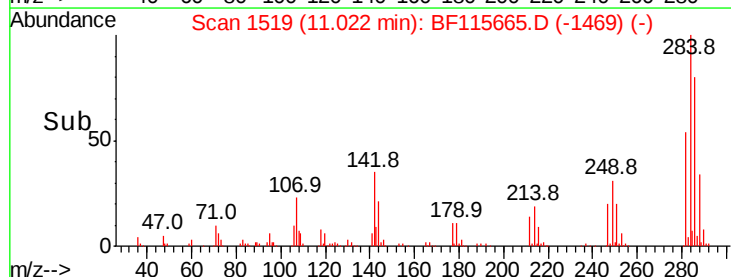
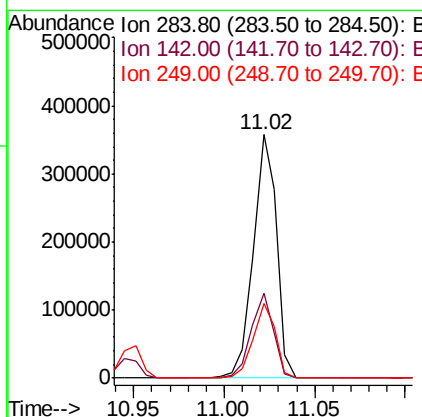
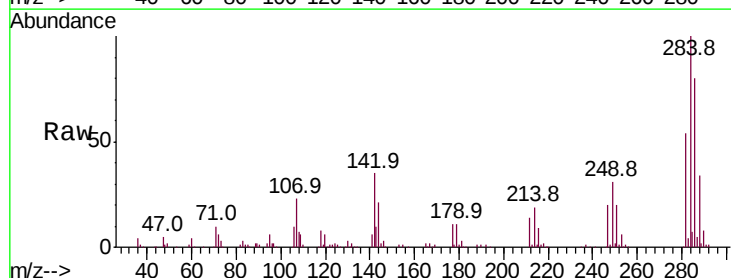
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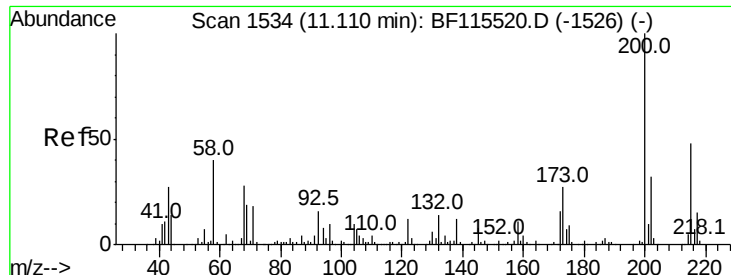
mohammad
 7/22/2019 10:01:07 AM



#68
 Hexachlorobenzene
 Concen: 38.678 ng
 RT: 11.02 min Scan# 1519
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
284	100			
142	35.0	22.2	33.2#	
249	30.5	23.4	35.2	





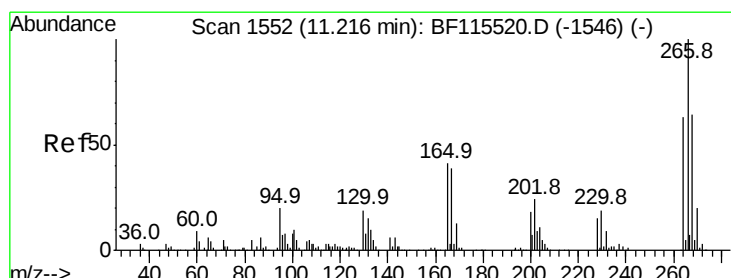
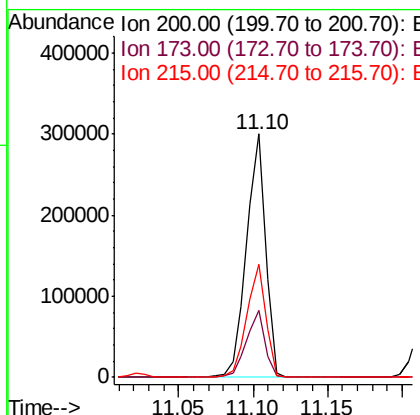
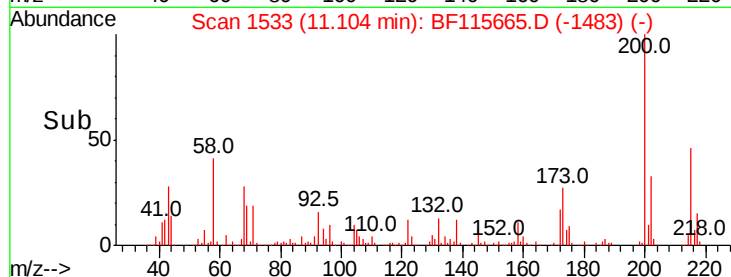
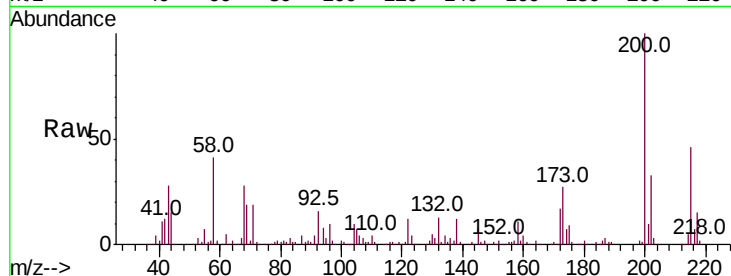
#69
Atrazine
Concen: 41.546 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.3	6.9	46.9
215	46.5	27.9	67.9

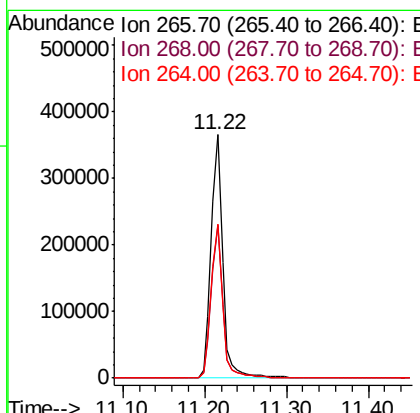
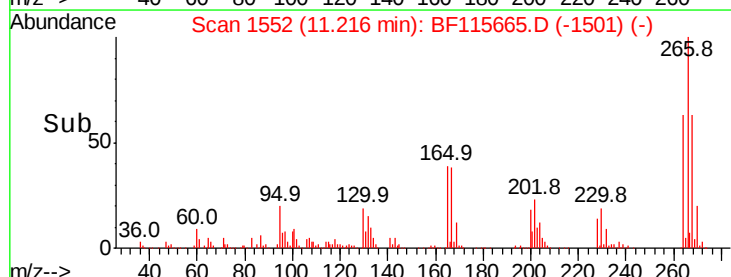
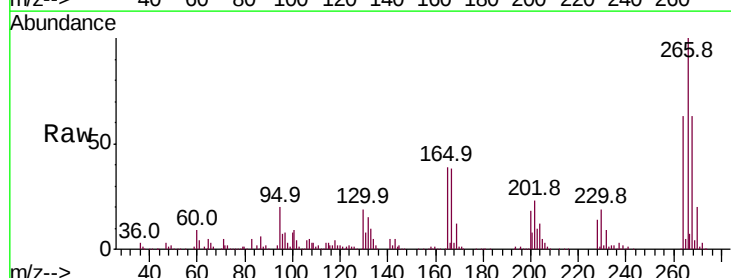
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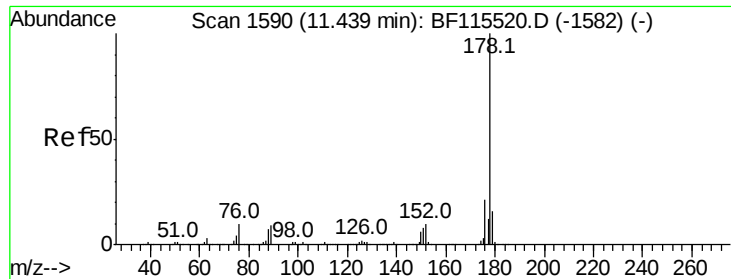
mohammad
7/22/2019 10:01:07 AM



#70
Pentachlorophenol
Concen: 73.245 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.0	51.6	77.4
264	63.2	50.6	76.0





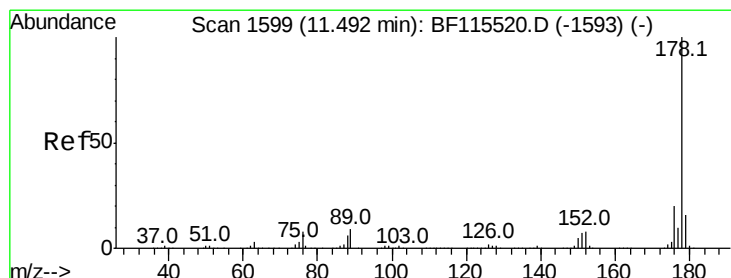
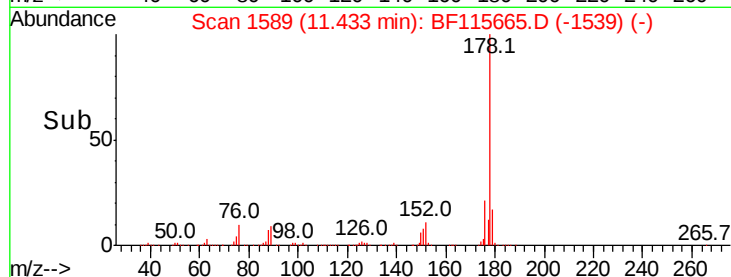
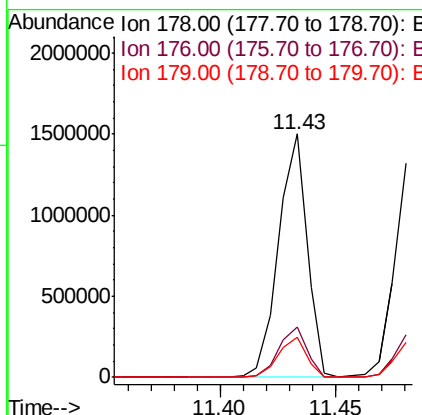
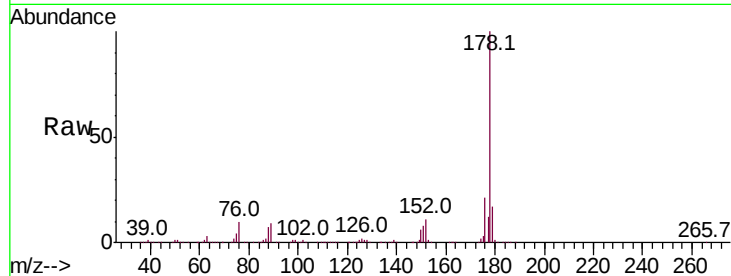
#71
Phenanthrene
Concen: 40.186 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion:178 Resp: 1294620
Ion Ratio Lower Upper
178 100
176 20.8 17.2 25.8
179 16.6 13.5 20.3

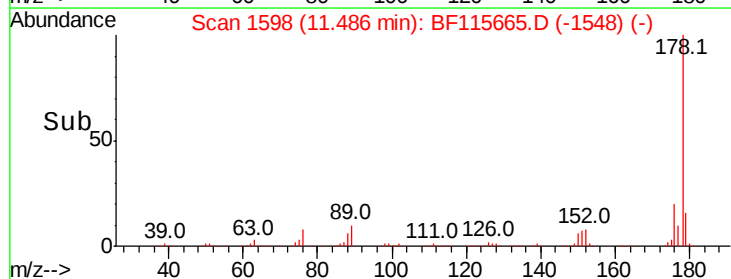
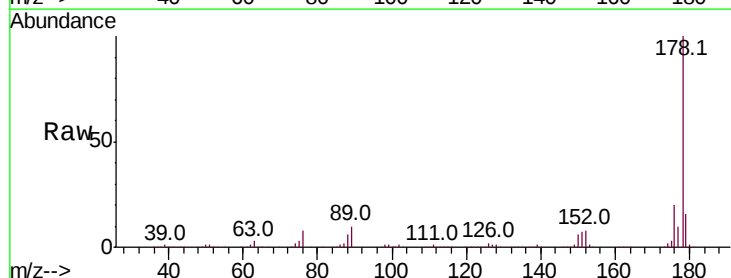
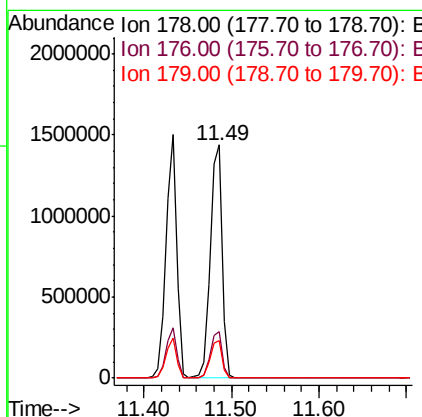
Manual Integrations
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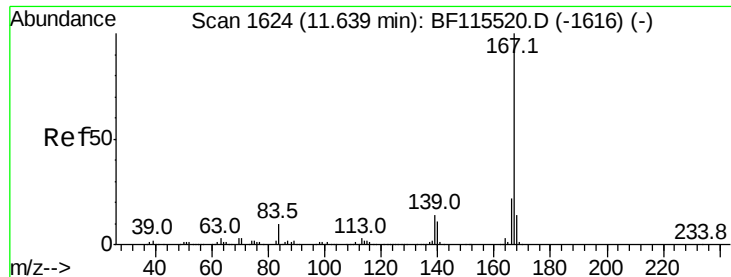
mohammad
7/22/2019 10:01:07 AM



#72
Anthracene
Concen: 40.829 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion:178 Resp: 1359349
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.9 12.7 19.1





#73

Carbazole

Concen: 40.491 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

ClientSampleId :

PB121516BS

Tot Ion:167 Resp: 1182188

Ion Ratio Lower Upper

167 100

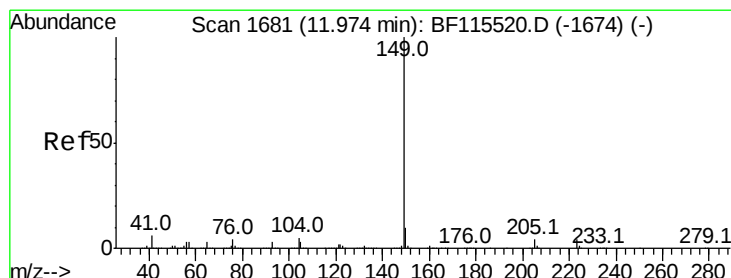
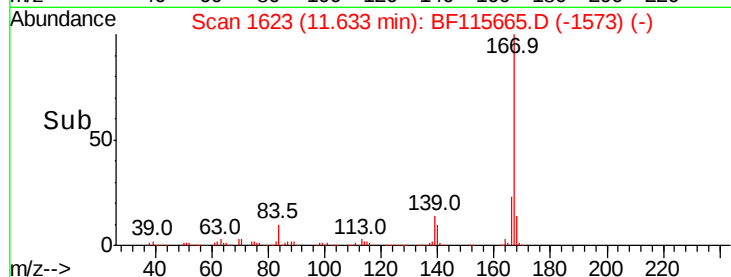
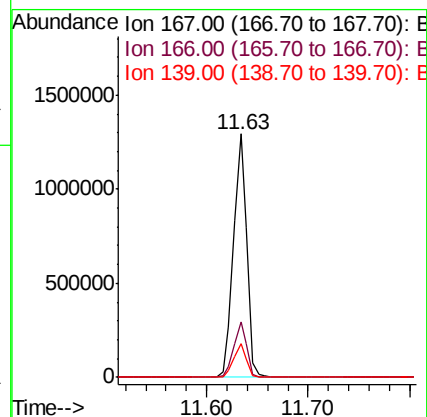
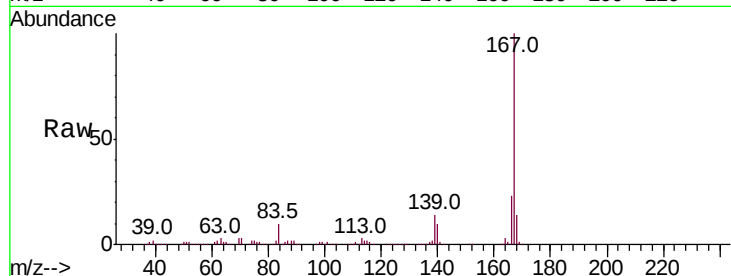
166 22.8 18.1 27.1

139 13.6 11.3 16.9

Manual Integrations
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mohammad

7/22/2019 10:01:07 AM



#74

Di-n-butylphthalate

Concen: 40.653 ng

RT: 11.96 min Scan# 1679

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

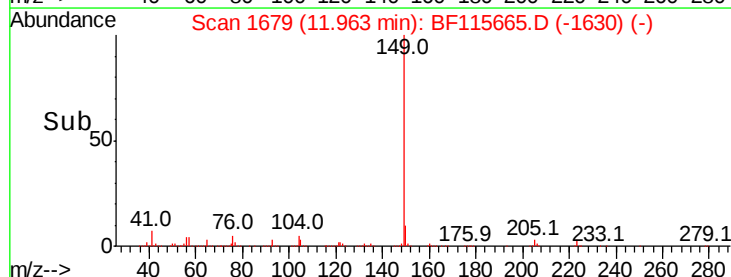
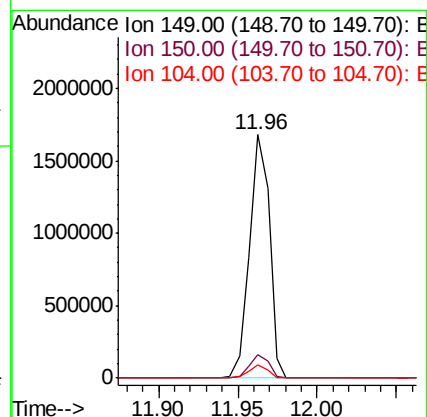
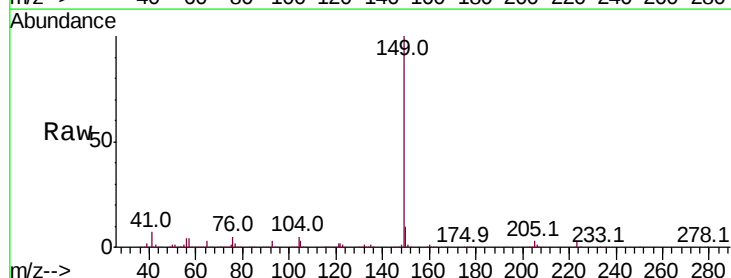
Tgt Ion:149 Resp: 1461988

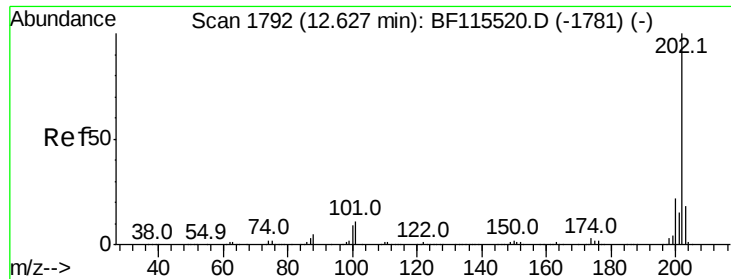
Ion Ratio Lower Upper

149 100

150 9.8 7.7 11.5

104 5.4 3.8 5.8





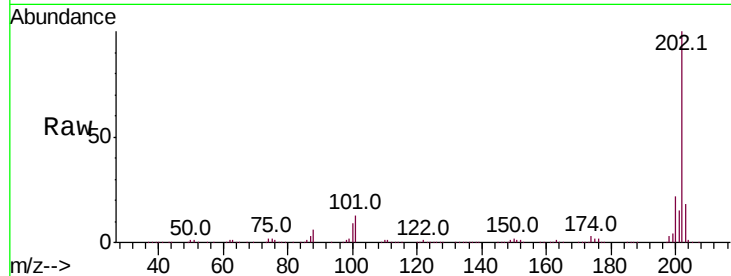
#75
Fluoranthene
Concen: 39.885 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

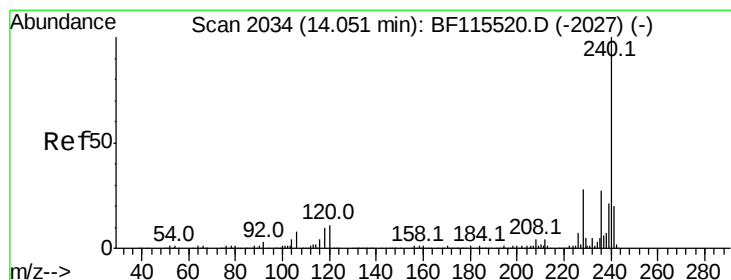
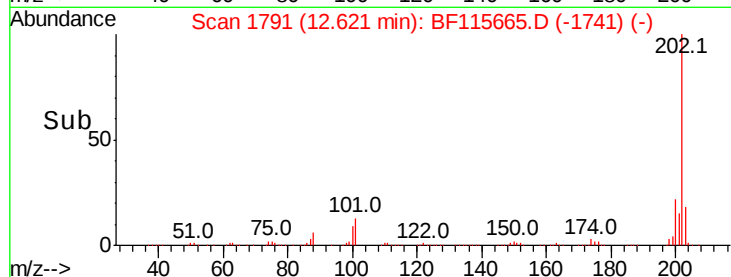
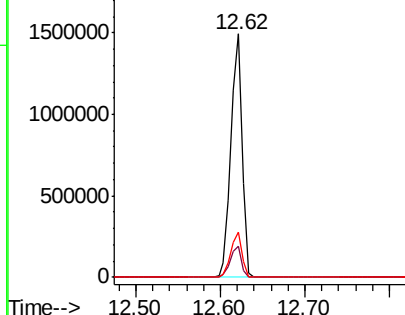
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.4
203	18.5	0.0	38.1

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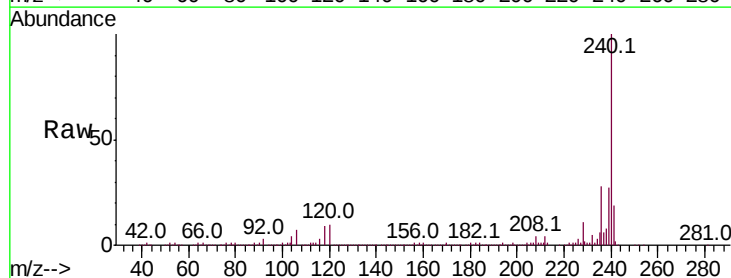


Abundance Ion 202.00 (201.70 to 202.70): E
2000000 Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

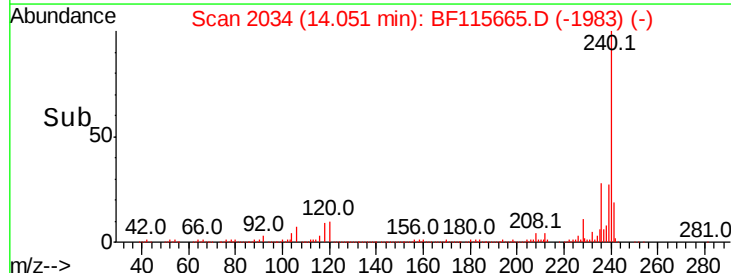
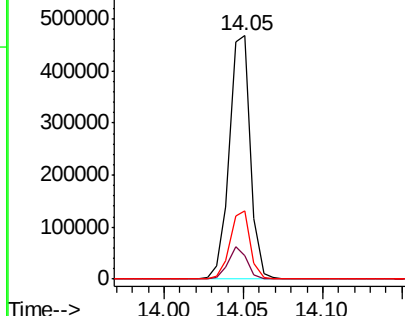


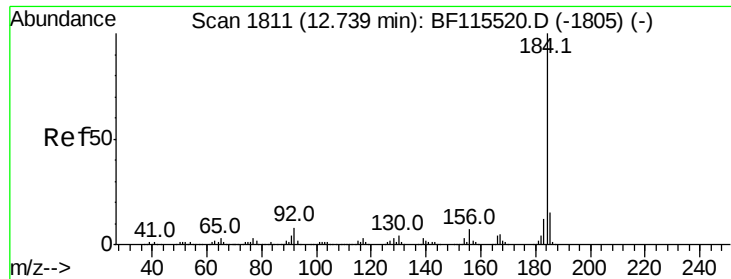
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.6	13.0
236	28.1	21.3	31.9



Abundance Ion 240.00 (239.70 to 240.70): E
600000 Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 44.239 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

ClientSampleId :

PB121516BS

Tot Ion:184 Resp: 677785

Ion Ratio Lower Upper

184 100

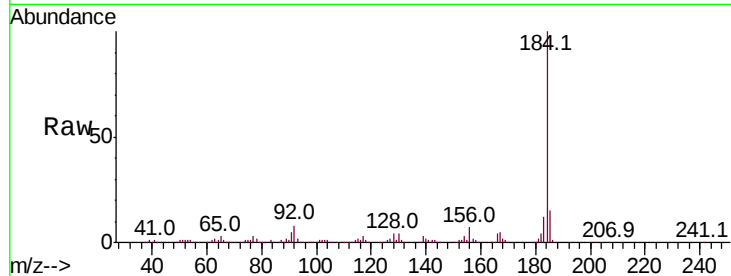
185 14.6 12.0 18.0

183 11.5 9.3 13.9

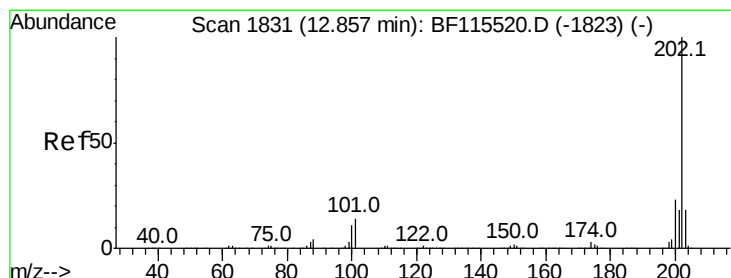
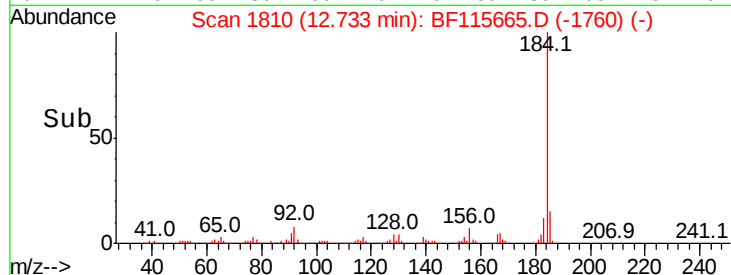
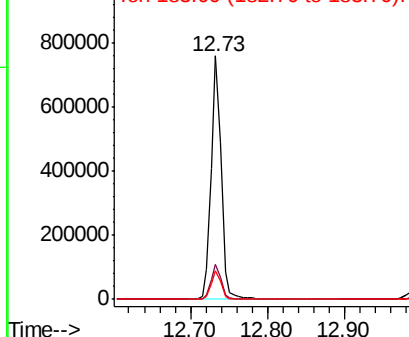
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 37.532 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

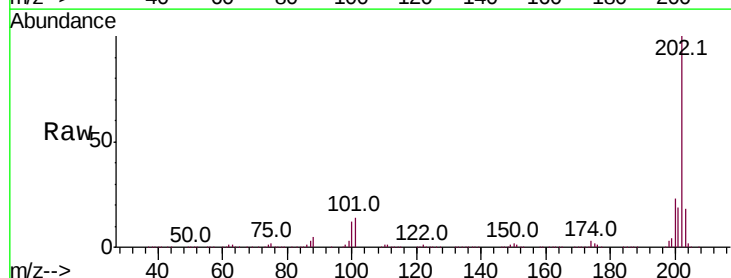
Tgt Ion:202 Resp: 1375231

Ion Ratio Lower Upper

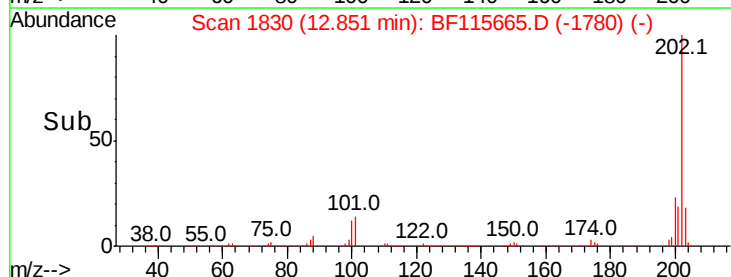
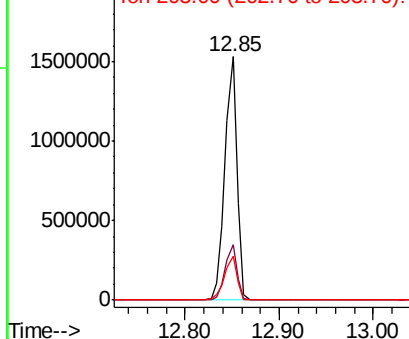
202 100

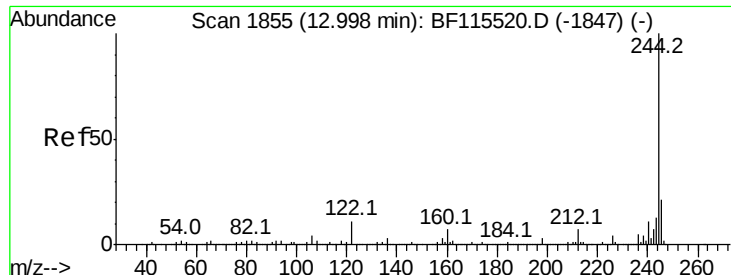
200 22.7 18.7 28.1

203 18.1 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





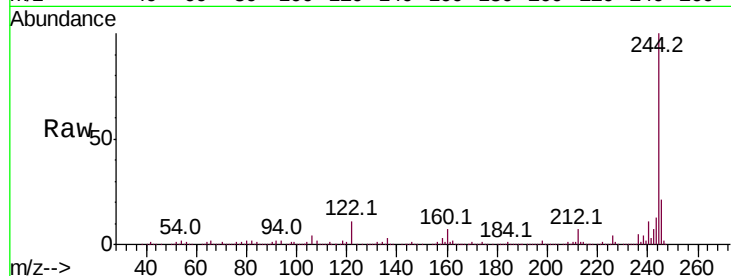
#79
Terphenyl-d14
Concen: 76.830 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

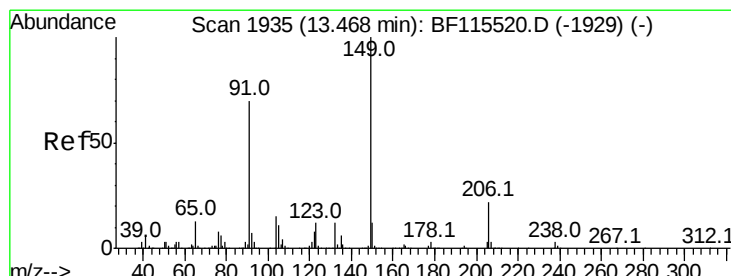
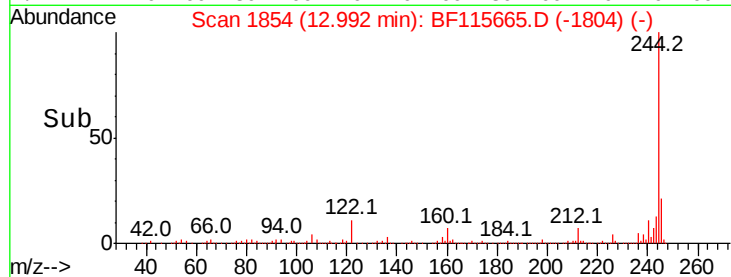
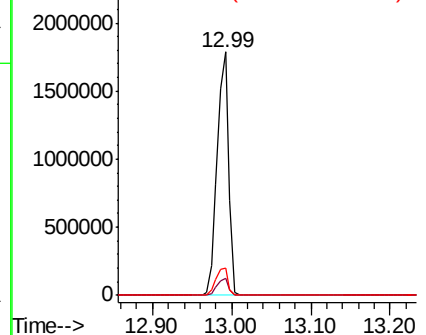
Tot Ion:244 Resp: 1800812
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 11.5 8.6 12.8

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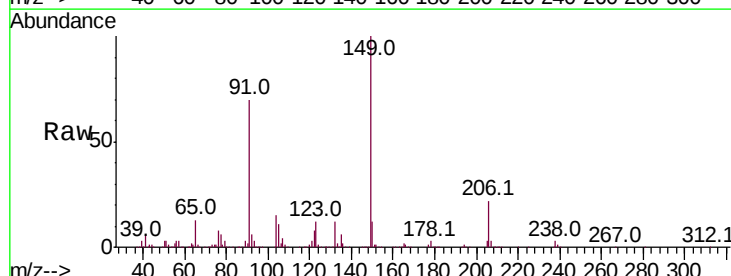


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

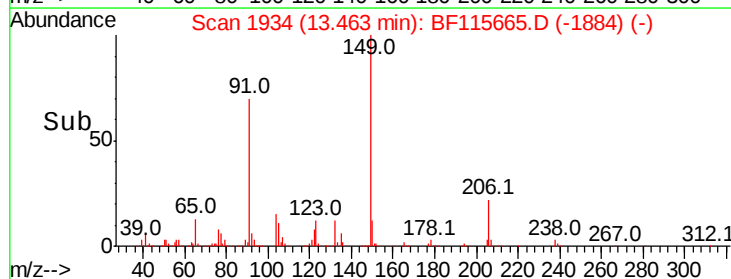
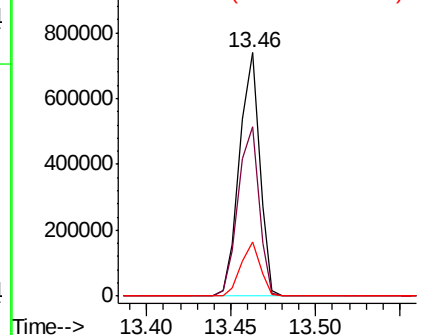


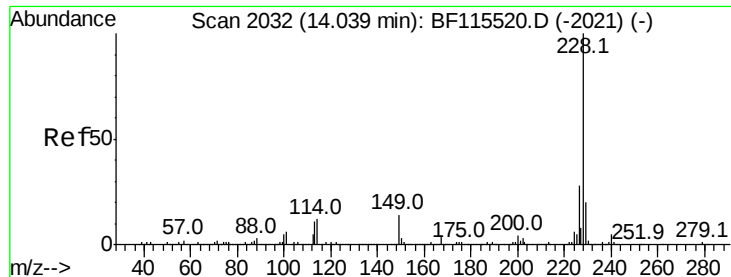
#80
Butylbenzylphthalate
Concen: 39.509 ng
RT: 13.46 min Scan# 1934
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion:149 Resp: 617146
Ion Ratio Lower Upper
149 100
91 69.8 55.8 83.8
206 22.0 18.2 27.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





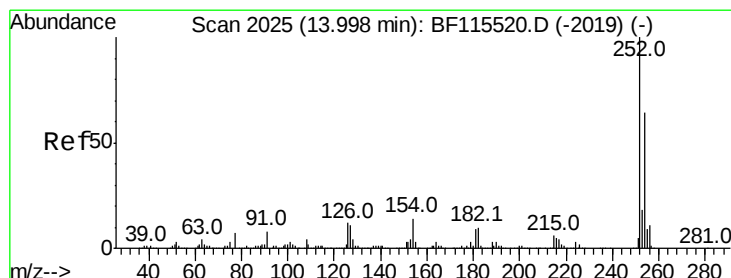
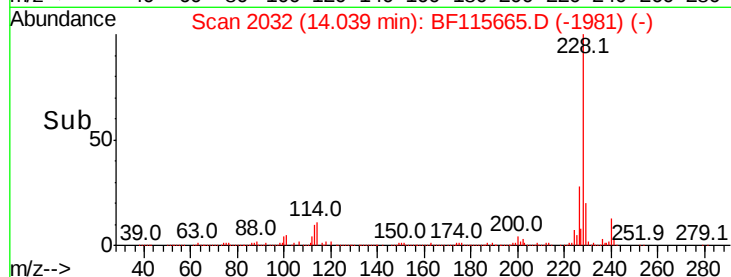
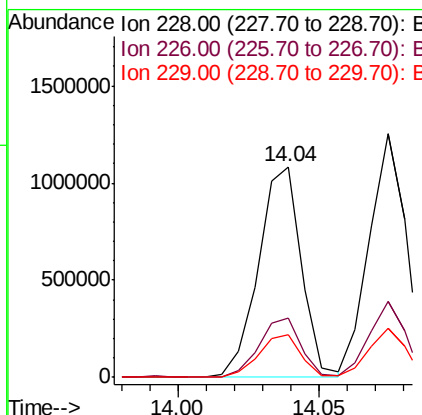
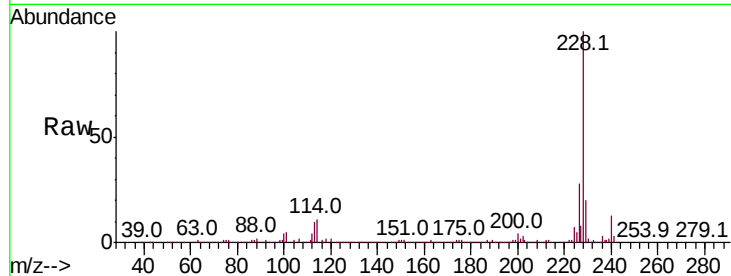
#81
Benzo(a)anthracene
Concen: 39.981 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.4	35.0
229	20.3	17.2	25.8

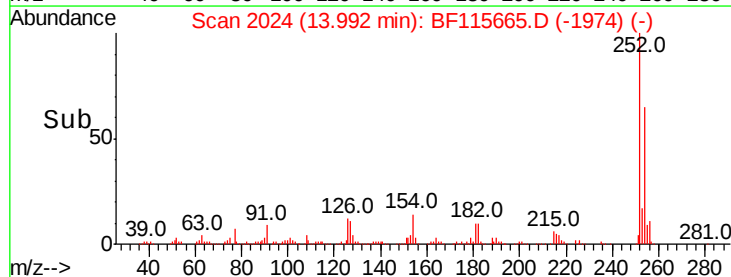
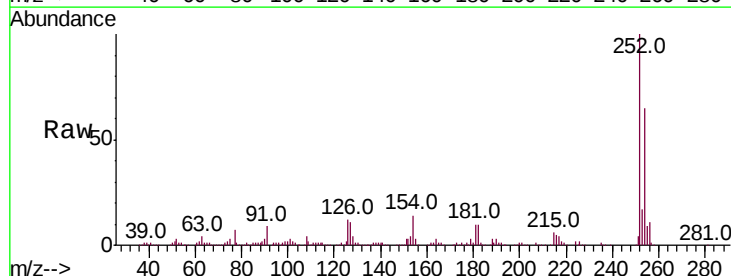
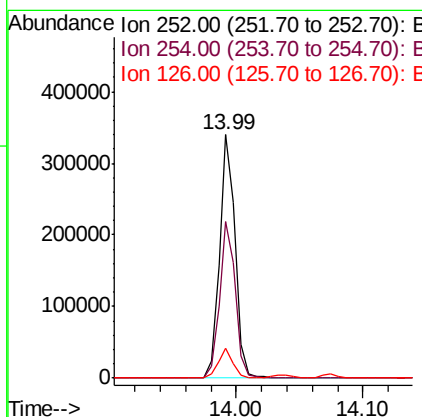
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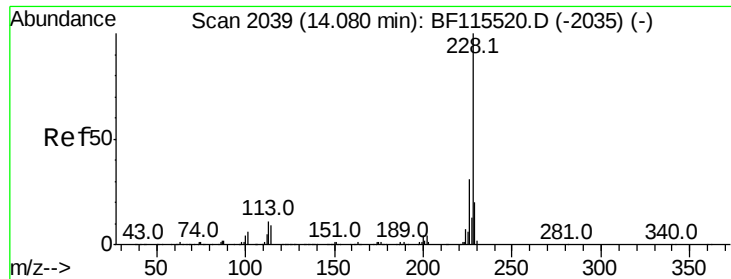
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#82
3,3'-Dichlorobenzidine
Concen: 29.051 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.5	52.9	79.3
126	12.2	9.9	14.9





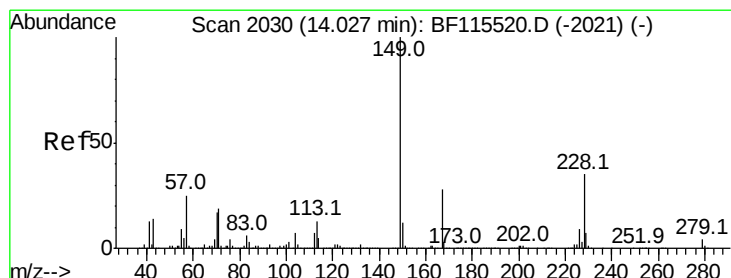
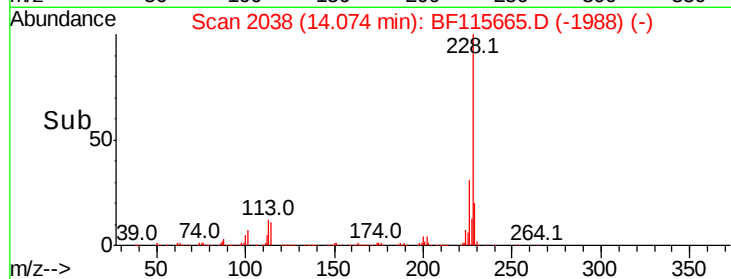
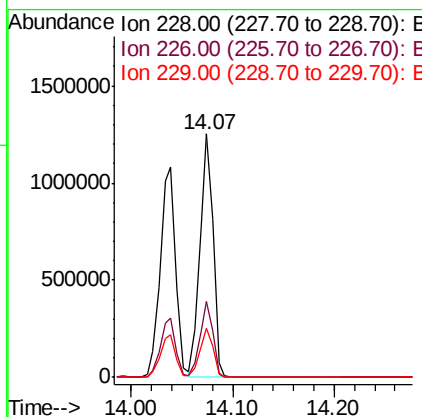
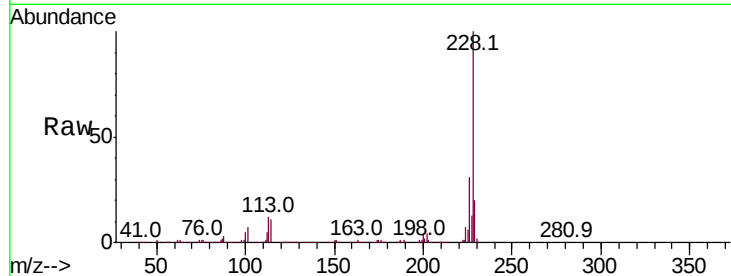
#83
 Chrysene
 Concen: 39.253 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.7	38.5
229	20.2	16.6	25.0

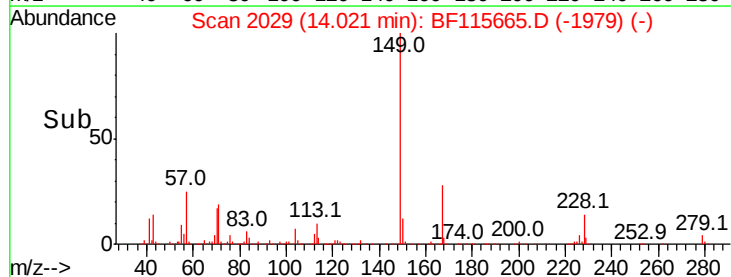
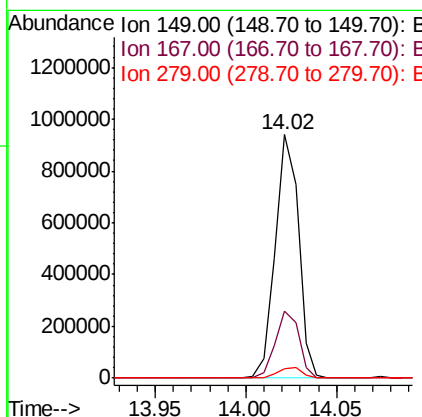
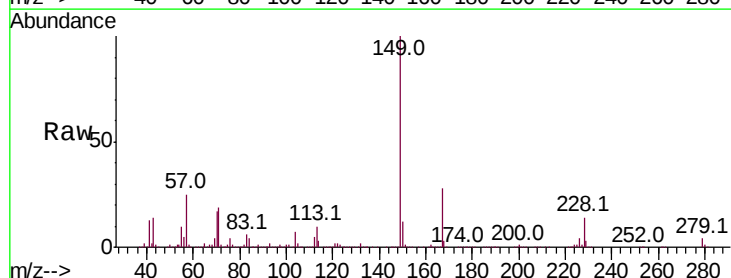
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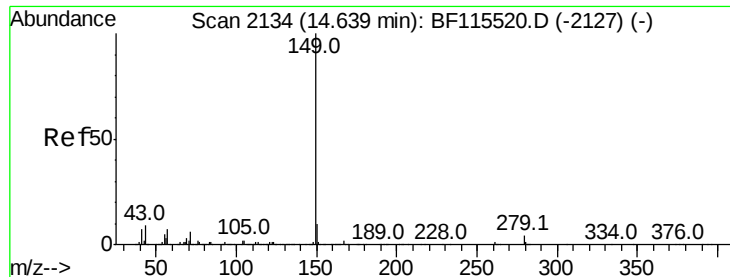
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 43.487 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF115665.D
 Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	23.0	34.4
279	4.0	4.2	6.2#





#85

Di-n-octyl phthalate

Concen: 44.331 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Instrument :

BNA_F

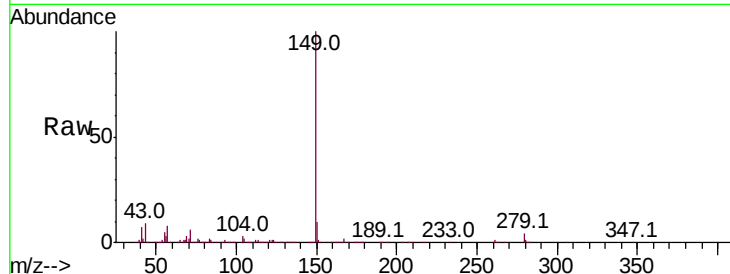
ClientSampleId :

PB121516BS

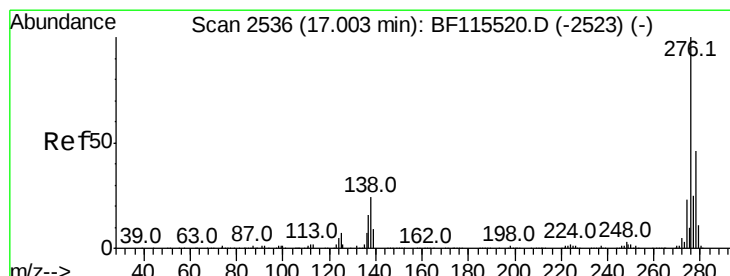
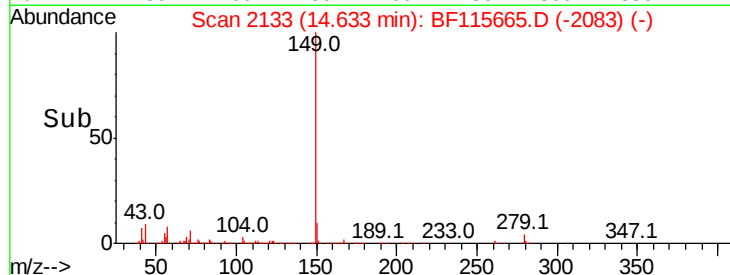
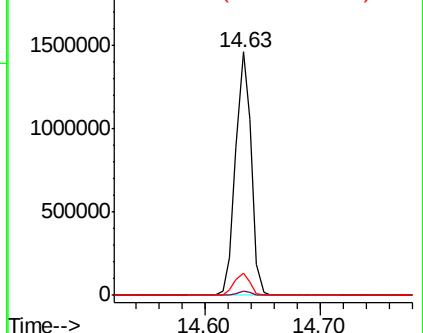
Tot Ion:	149	Resp:	1364731
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	8.8	7.2	10.8

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Abundance Ion 149.00 (148.70 to 149.70): E
2000000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 38.879 ng

RT: 17.00 min Scan# 2536

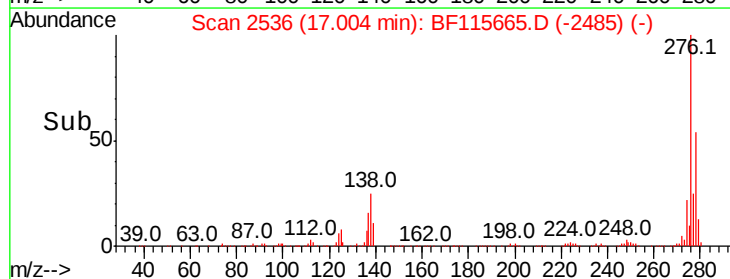
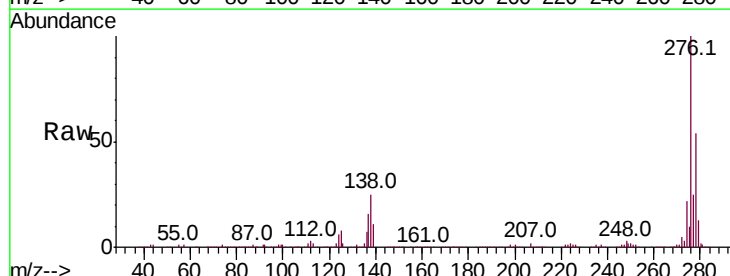
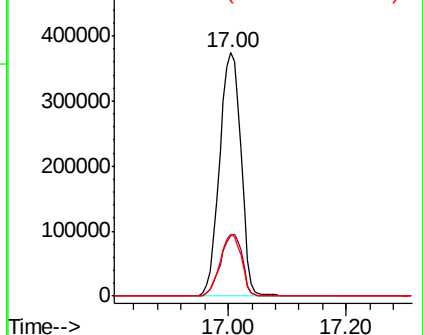
Delta R.T. 0.00 min

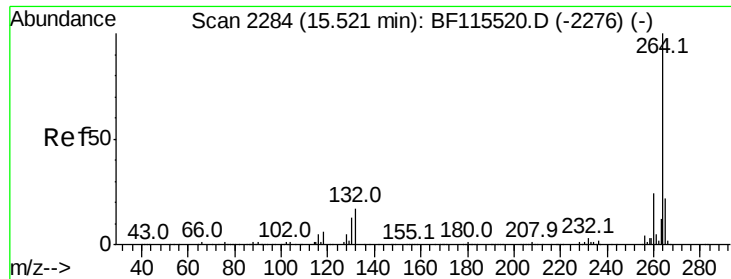
Lab File: BF115665.D

Acq: 19 Jul 2019 9:16

Tgt Ion:	276	Resp:	944755
Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.2	30.2
277	25.4	20.4	30.6

Abundance Ion 276.00 (275.70 to 276.70): E
500000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





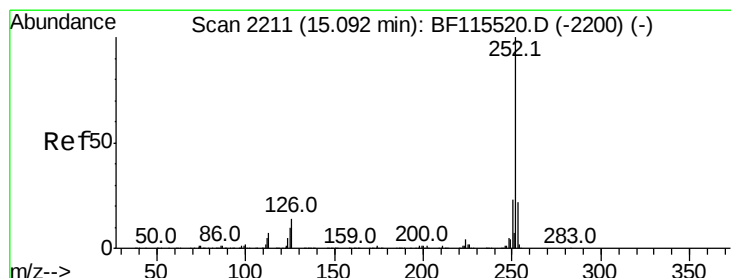
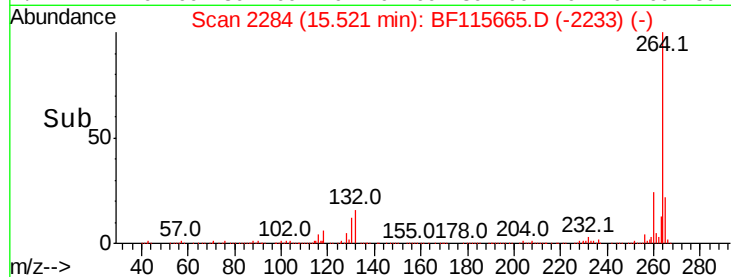
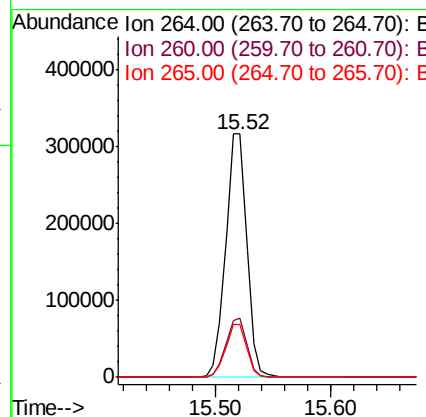
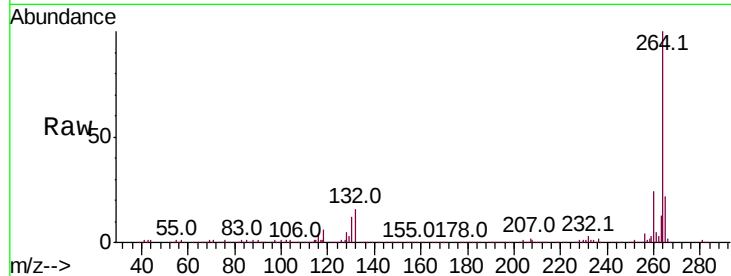
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	21.9	17.7	26.5

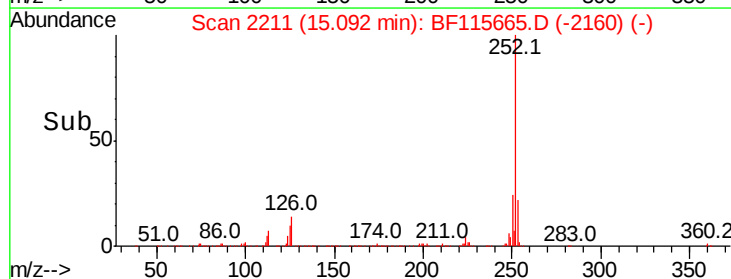
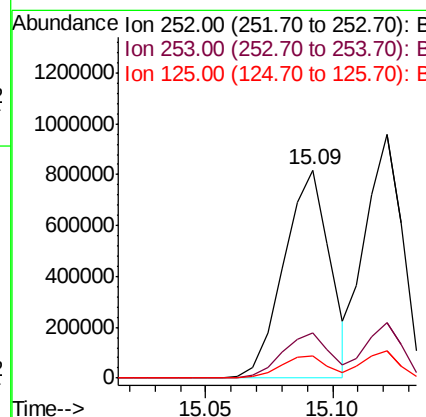
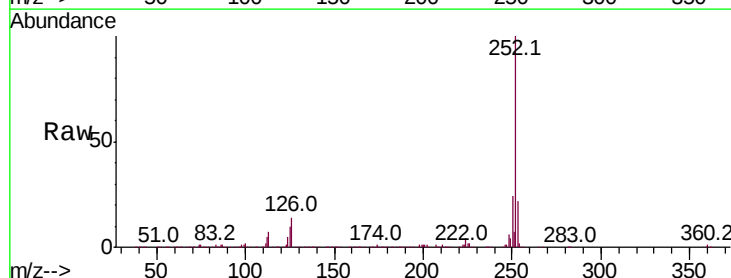
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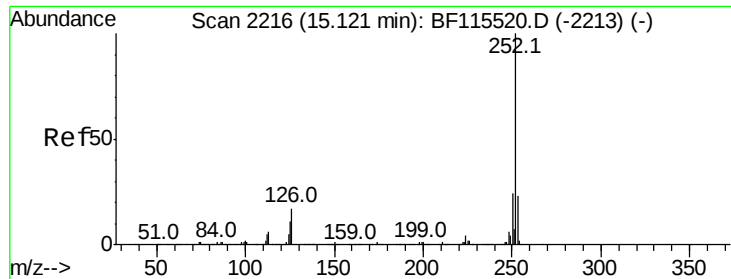
mohammad
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#88
Benzo(b)fluoranthene
Concen: 39.813 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.5	9.0	13.4





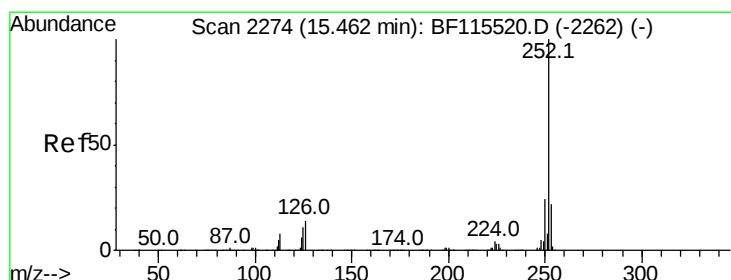
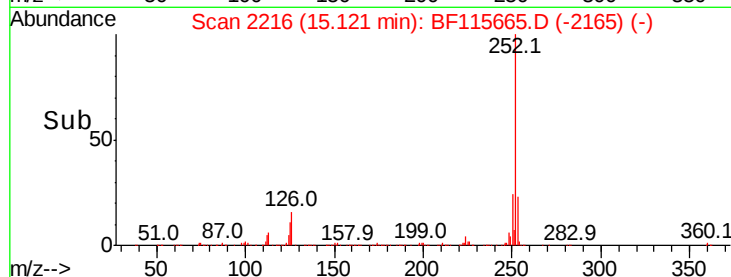
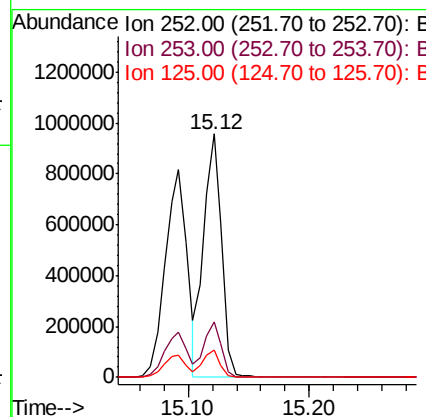
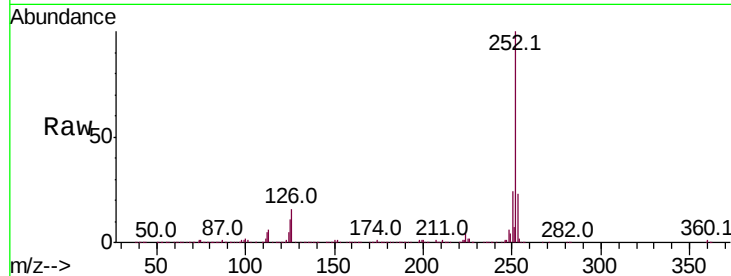
#89
Benzo(k)fluoranthene
Concen: 42.753 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	28.0
125	11.0	9.0	13.6

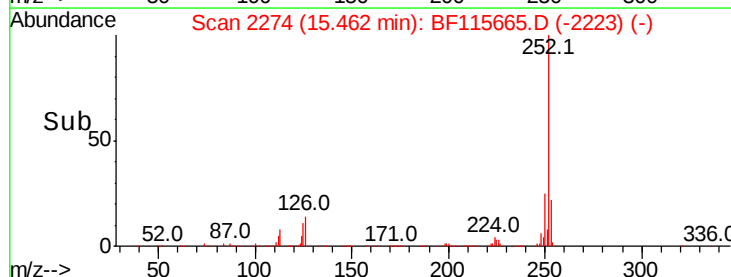
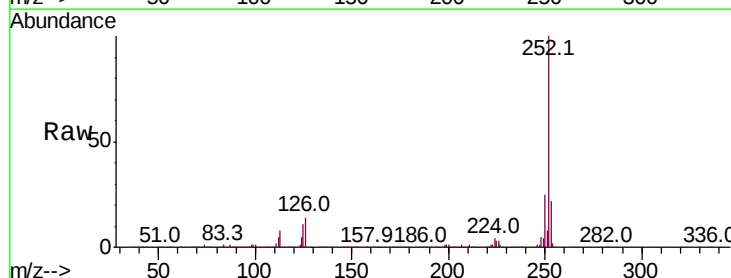
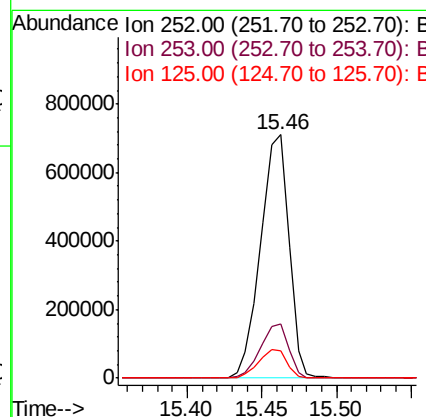
Manual Integrations
APPROVED

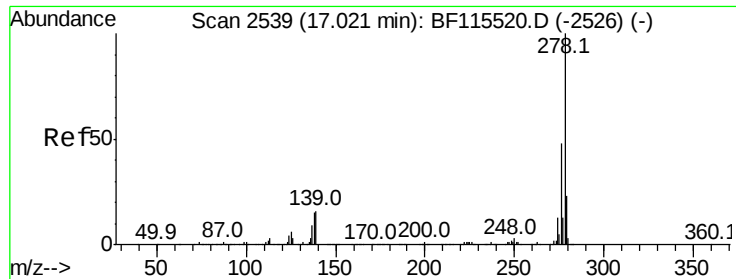
mohammad
7/22/2019 10:01:07 AM



#90
Benzo(a)pyrene
Concen: 42.008 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.2	9.1	13.7





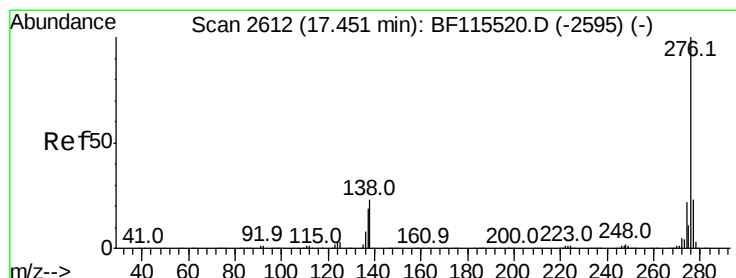
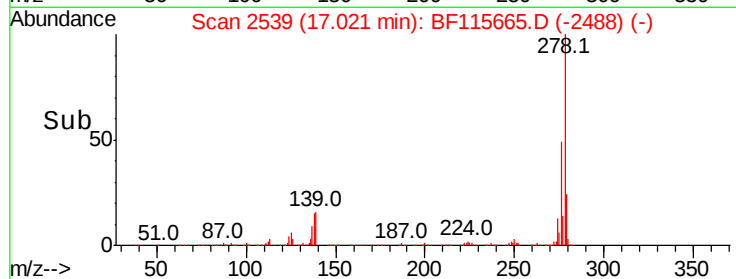
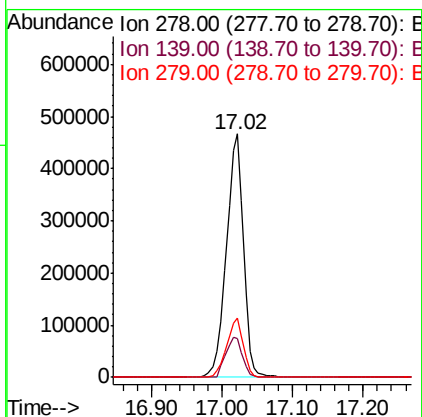
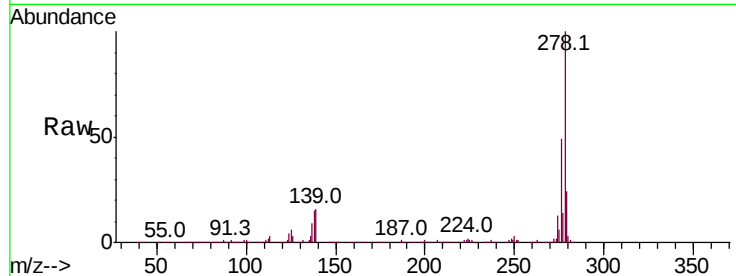
#91
Dibenzo(a,h)anthracene
Concen: 40.390 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Instrument :
BNA_F
ClientSampleId :
PB121516BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.1	19.7
279	24.3	19.6	29.4

Manual Integrations
APPROVED

mohammad
7/22/2019 10:01:07 AM



#92
Benzo(g,h,i)perylene
Concen: 40.260 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.00 min
Lab File: BF115665.D
Acq: 19 Jul 2019 9:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	22.9	17.2	25.8

