

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116723.D
 Acq On : 1 Sep 2019 4:07
 Operator : HP/JU
 Sample : K4089-08MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:23:53 AM

Quant Time: Sep 01 05:09:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	124975	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	491388	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	258054	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	417644	20.00	ng	0.00
76) Chrysene-d12	13.99	240	249303	20.00	ng	0.00
87) Perylene-d12	15.44	264	288288	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	942947	122.23	ng	0.01
7) Phenol-d6	6.48	99	1186644	117.15	ng	0.00
23) Nitrobenzene-d5	7.41	82	891577	103.58	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	278377	161.36	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1486070	97.14	ng	0.00
79) Terphenyl-d14	12.95	244	1371386	101.76	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	145081	40.741	ng	# 86
3) Pyridine	3.44	79	242403	23.510	ng	96
4) n-Nitrosodimethylamine	3.36	42	144550	40.826	ng	# 77
6) Aniline	6.51	93	210471	15.002	ng	97
8) 2-Chlorophenol	6.64	128	406894	48.318	ng	99
9) Benzaldehyde	6.39	77	138497	20.753	ng	98
10) Phenol	6.49	94	448068	39.946	ng	97
11) bis(2-Chloroethyl)ether	6.59	93	411169	47.077	ng	97
12) 1,3-Dichlorobenzene	6.79	146	416016	43.710	ng	97
13) 1,4-Dichlorobenzene	6.87	146	425341	44.888	ng	99
14) 1,2-Dichlorobenzene	7.02	146	396214	45.120	ng	98
15) Benzyl Alcohol	6.99	79	382344	46.499	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.12	45	454996	44.402	ng	98
17) 2-Methylphenol	7.10	107	334300	45.348	ng	97
18) Hexachloroethane	7.36	117	161824	43.957	ng	# 88
19) n-Nitroso-di-n-propylamine	7.26	70	306109	45.896	ng	92
20) 3+4-Methylphenols	7.25	107	400737	46.753	ng	# 80
22) Acetophenone	7.26	105	582762	49.260	ng	# 91
24) Nitrobenzene	7.43	77	459876	52.531	ng	95
25) Isophorone	7.67	82	863578	49.511	ng	98
26) 2-Nitrophenol	7.75	139	202800	62.310	ng	91
27) 2,4-Dimethylphenol	7.78	122	375489	57.124	ng	96
28) bis(2-Chloroethoxy)methane	7.87	93	525140	49.268	ng	99
29) 2,4-Dichlorophenol	7.99	162	339706	53.777	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	329223	48.050	ng	96
31) Naphthalene	8.15	128	1180943	50.541	ng	99
32) Benzoic acid	7.89	122	181715	48.960	ng	98
33) 4-Chloroaniline	8.19	127	82146	7.723	ng	97
34) Hexachlorobutadiene	8.27	225	174431	46.691	ng	98
35) Caprolactam	8.56	113	92400m	39.085	ng	
36) 4-Chloro-3-methylphenol	8.67	107	399088	54.968	ng	99
37) 2-Methylnaphthalene	8.84	142	817225	52.566	ng	98
38) 1-Methylnaphthalene	8.94	142	764094	52.064	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	298386	48.235	ng	# 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	254043	71.116	nq	96
43) 2,4,6-Trichlorophenol	9.12	196	224346	52.906	nq	97
44) 2,4,5-Trichlorophenol	9.16	196	244907	55.630	nq	93
46) 1,1'-Biphenyl	9.30	154	958042	48.926	nq	98
47) 2-Chloronaphthalene	9.33	162	750072	48.363	nq	98
48) 2-Nitroaniline	9.42	65	251135	56.010	nq	99
49) Acenaphthylene	9.75	152	1219907	52.034	nq	99
50) Dimethylphthalate	9.60	163	944505	53.015	nq	99
51) 2,6-Dinitrotoluene	9.66	165	208971	61.477	nq	91
52) Acenaphthene	9.92	154	769521	53.421	nq	98
53) 3-Nitroaniline	9.83	138	113172	26.567	nq	98
54) 2,4-Dinitrophenol	9.93	184	118370	96.091	nq	86
55) Dibenzofuran	10.09	168	1063048	52.349	nq	97
56) 4-Nitrophenol	9.99	139	313383	107.291	nq	87
57) 2,4-Dinitrotoluene	10.07	165	280269	67.432	nq	92
58) Fluorene	10.43	166	818878	52.923	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	188304	59.266	nq	97
60) Diethylphthalate	10.30	149	924418	51.799	nq	99
61) 4-Chlorophenyl-phenylether	10.42	204	353843	52.223	nq	95
62) 4-Nitroaniline	10.45	138	226946	54.897	nq	92
63) Azobenzene	10.58	77	975804	52.438	nq	95
65) 4,6-Dinitro-2-methylphenol	10.47	198	91286	57.586	nq	87
66) n-Nitrosodiphenylamine	10.54	169	759375	52.560	nq	97
67) 4-Bromophenyl-phenylether	10.91	248	219187	51.662	nq	97
68) Hexachlorobenzene	10.98	284	220121	49.588	nq	98
69) Atrazine	11.06	200	182829	45.183	nq	98
70) Pentachlorophenol	11.17	266	231142	107.641	nq	99
71) Phenanthrene	11.39	178	1189918	51.182	nq	99
72) Anthracene	11.44	178	1233436	52.704	nq	100
73) Carbazole	11.59	167	1144962	51.360	nq	100
74) Di-n-butylphthalate	11.92	149	1542015	53.956	nq	99
75) Fluoranthene	12.57	202	1125856	49.276	nq	98
78) Pyrene	12.80	202	1126656	50.839	nq	99
80) Butylbenzylphthalate	13.42	149	604074	56.052	nq	98
81) Benzo(a)anthracene	13.99	228	793324	50.279	nq	99
82) 3,3'-Dichlorobenzidine	13.94	252	175036	32.826	nq	98
83) Chrysene	14.02	228	825639	50.791	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	824992	62.014	nq	98
85) Di-n-octyl phthalate	14.59	149	1401466	64.374	nq	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	811097	62.121	nq	# 93
88) Benzo(b)fluoranthene	15.03	252	852712	48.924	nq	99
89) Benzo(k)fluoranthene	15.06	252	765794	48.188	nq	98
90) Benzo(a)pyrene	15.39	252	798480	52.657	nq	97
91) Dibenzo(a,h)anthracene	16.91	278	692920	52.205	nq	# 94
92) Benzo(g,h,i)perylene	17.33	276	635316	46.933	nq	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

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Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

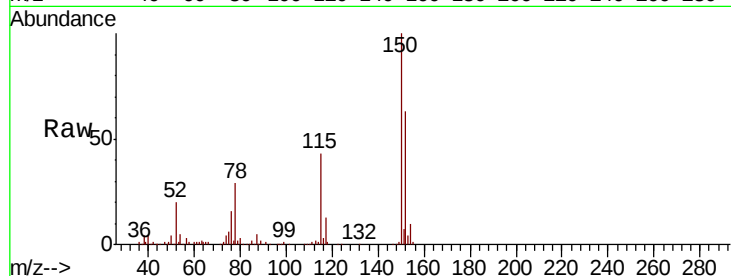
ClientSampleId :

OK-02-082919MSD

Tot Ion:	152	Resp:	124975
Ion Ratio	Lower	Upper	
152	100		
150	159.5	124.4	186.6
115	69.0	49.9	74.9

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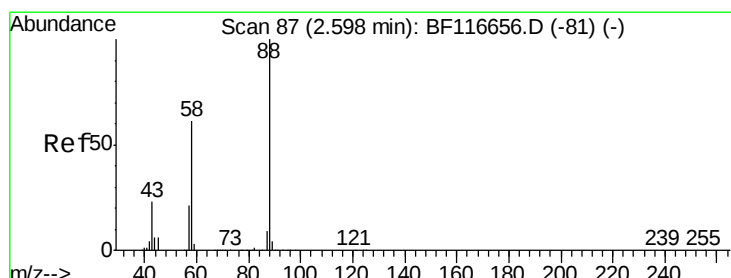
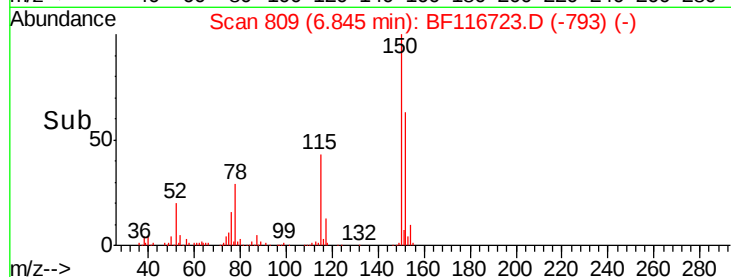
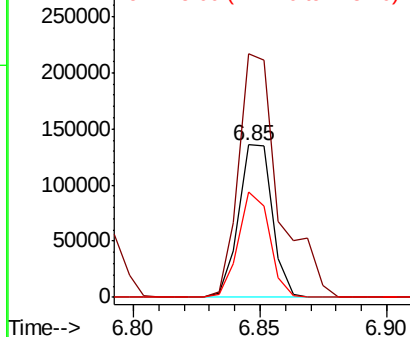


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.741 ng

RT: 2.72 min Scan# 108

Delta R.T. 0.12 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

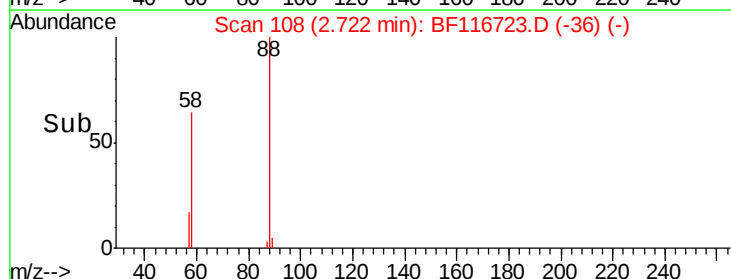
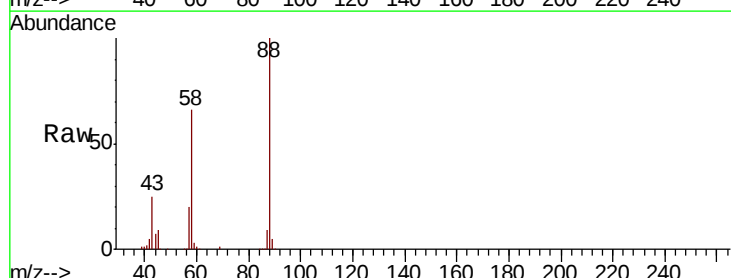
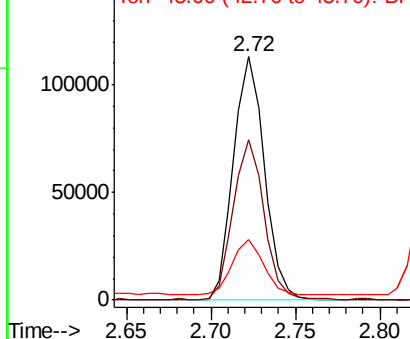
Tgt Ion:	88	Resp:	145081
Ion Ratio	Lower	Upper	
88	100		
58	64.8	51.7	77.5
43	0.0	19.8	29.8#

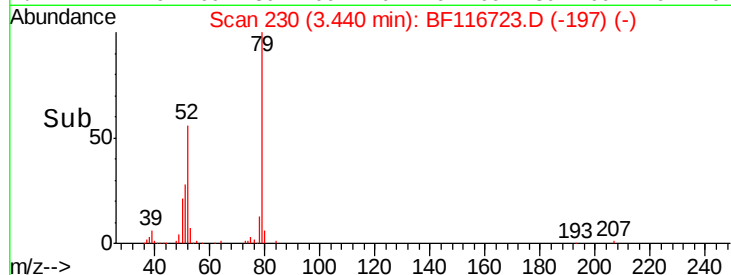
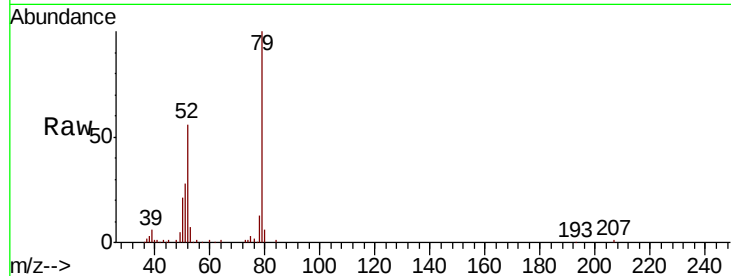
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 23.510 ng

RT: 3.44 min Scan# 230

Delta R.T. 0.09 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tot Ion:	79	Resp:	242403
Ion Ratio	Lower	Upper	
79	100		
52	56.3	47.4	71.0
51	28.4	24.1	36.1

Instrument :

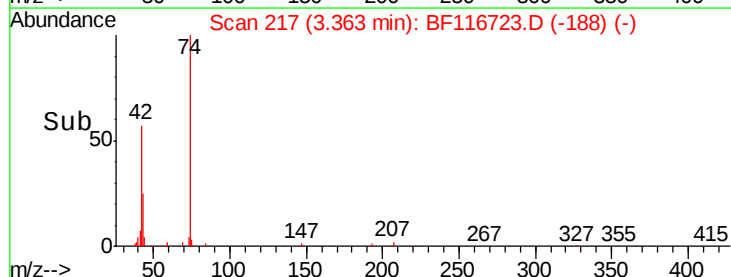
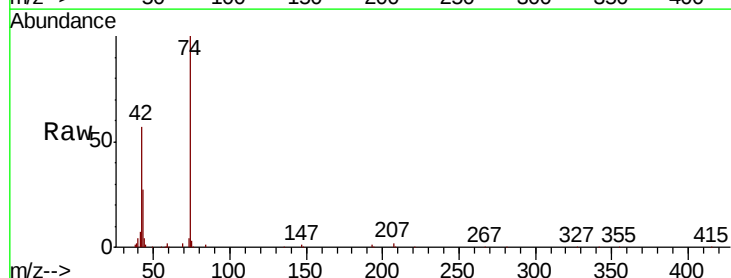
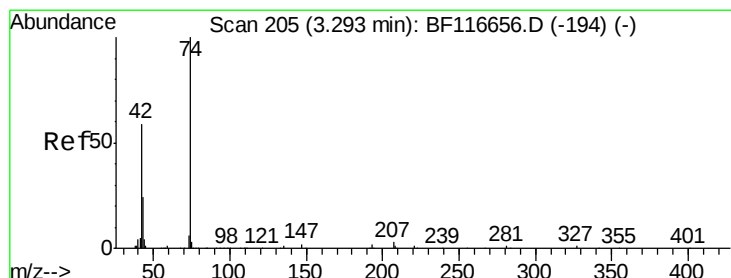
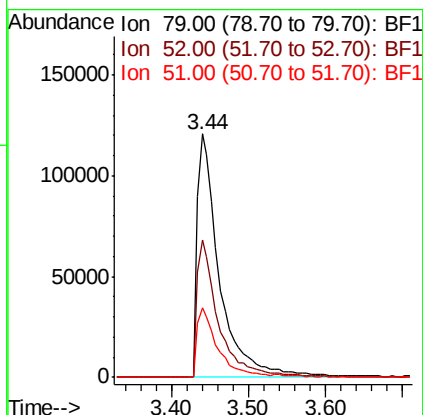
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ClientSampleId :

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#4

n-Nitrosodimethylamine

Concen: 40.826 ng

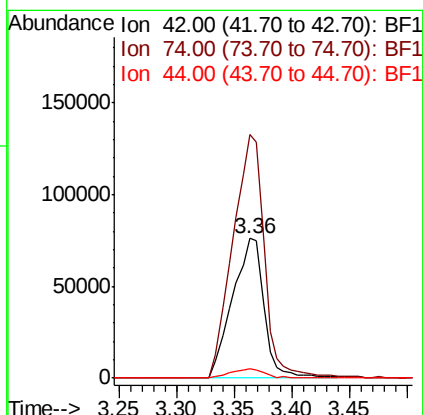
RT: 3.36 min Scan# 217

Delta R.T. 0.07 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:	42	Resp:	144550
Ion Ratio	Lower	Upper	
42	100		
74	174.7	115.6	173.4#
44	6.7	4.6	7.0





#5

2-Fluorophenol

Concen: 122.235 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

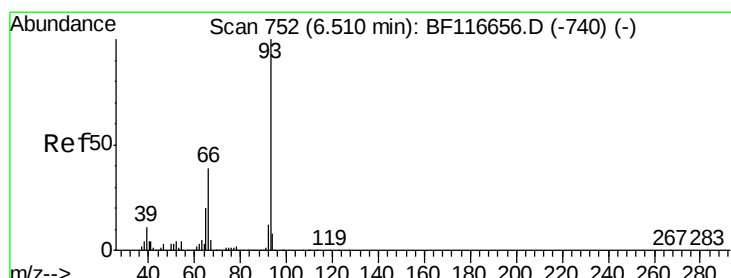
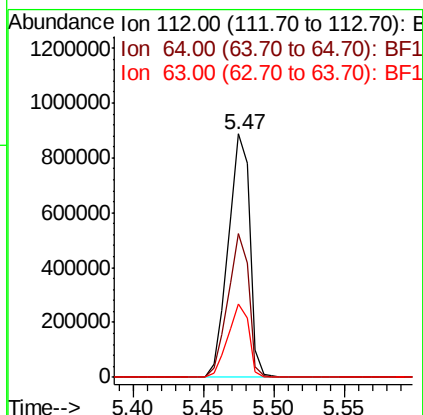
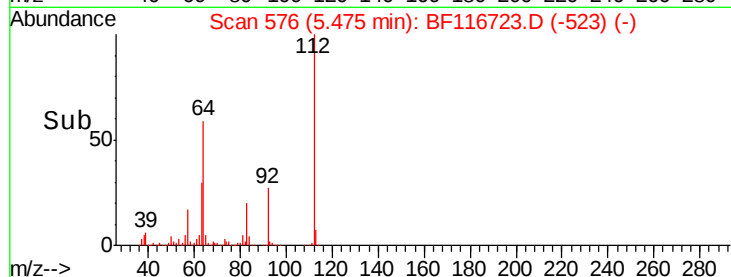
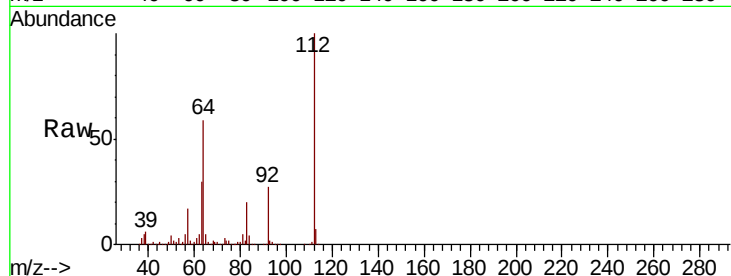
ClientSampleId :

OK-02-082919MSD

Tot Ion:	112	Resp:	942947
Ion Ratio	Lower	Upper	
112	100		
64	59.0	47.1	70.7
63	30.2	24.9	37.3

Manual Integrations
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#6

Aniline

Concen: 15.002 ng

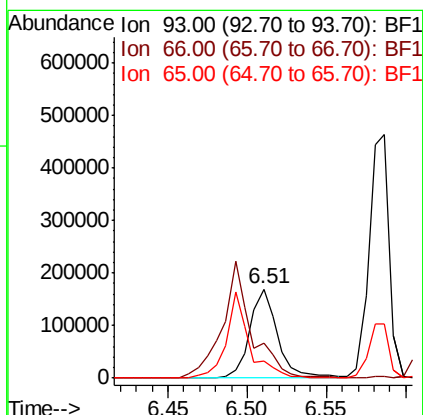
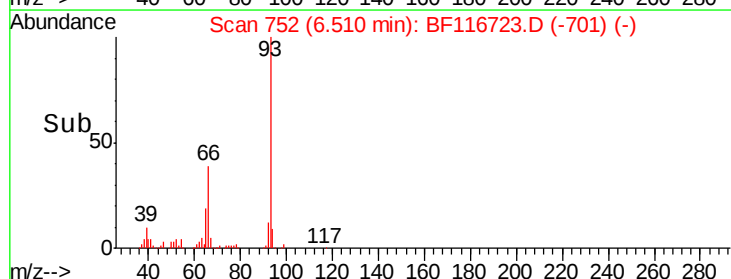
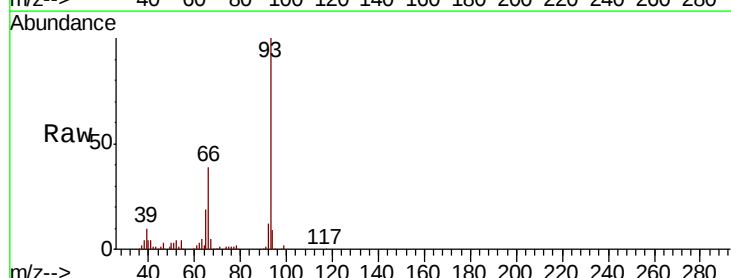
RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:	93	Resp:	210471
Ion Ratio	Lower	Upper	
93	100		
66	39.2	32.7	49.1
65	19.4	16.3	24.5





#7

Phenol-d6

Concen: 117.146 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

Tot Ion: 99 Resp: 1186644

Ion Ratio Lower Upper

99 100

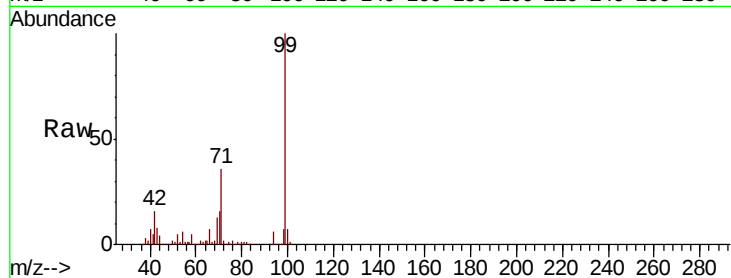
42 15.7 13.7 20.5

71 35.7 30.8 46.2

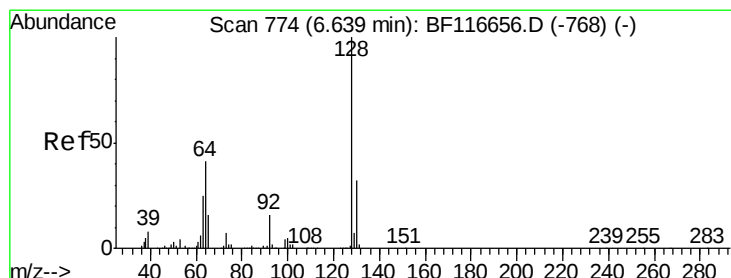
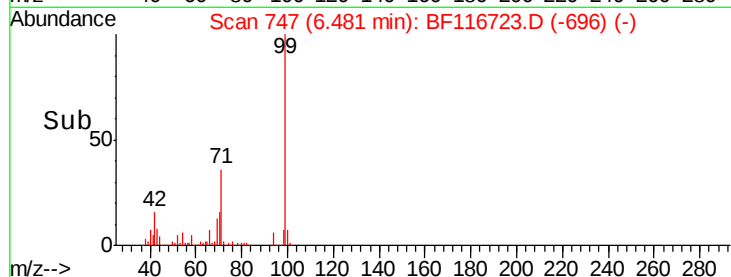
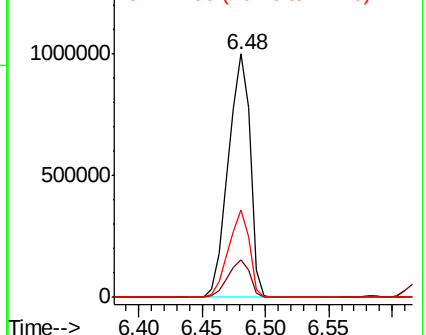
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 48.318 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

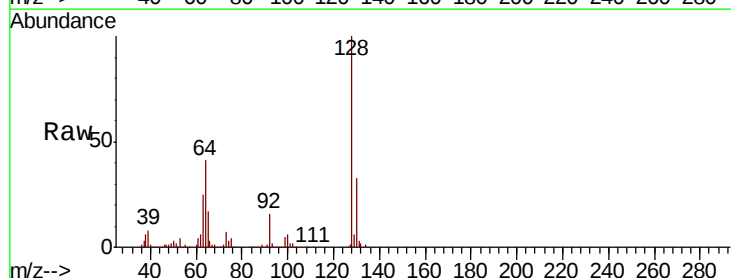
Tgt Ion: 128 Resp: 406894

Ion Ratio Lower Upper

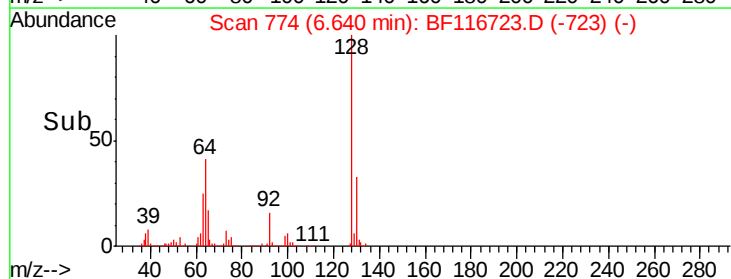
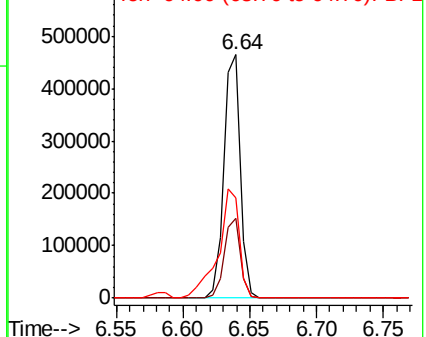
128 100

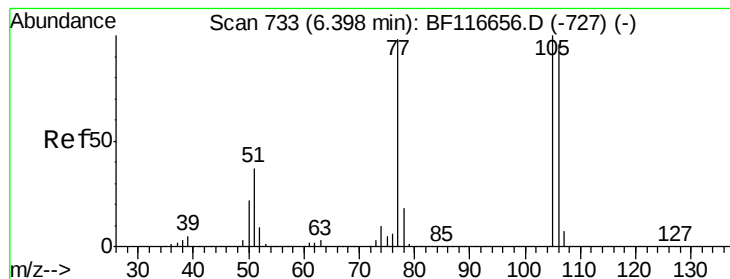
130 32.7 12.3 52.3

64 41.2 22.5 62.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 20.753 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

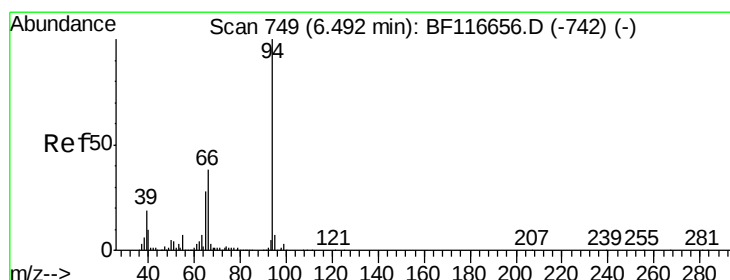
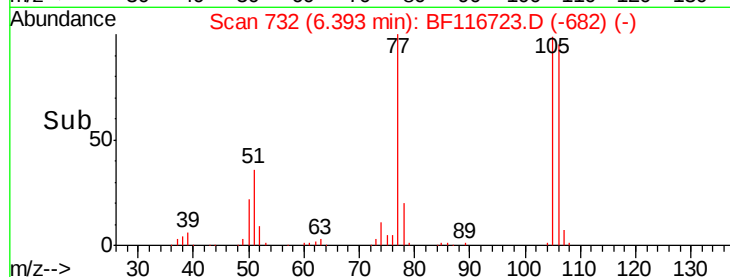
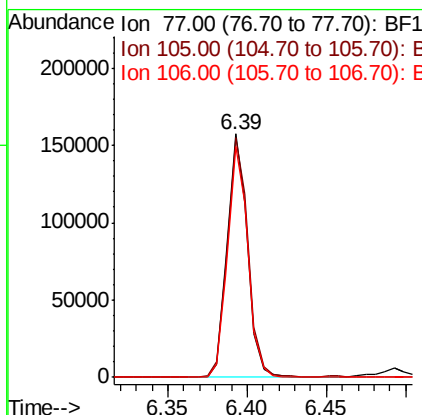
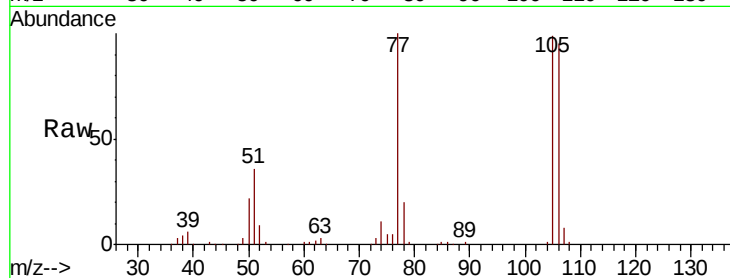
ClientSampleId :

OK-02-082919MSD

Tot Ion:	77	Resp:	138497
Ion Ratio	Lower	Upper	
77	100		
105	98.5	76.7	116.7
106	94.6	73.1	113.1

Manual Integrations
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#10

Phenol

Concen: 39.946 ng

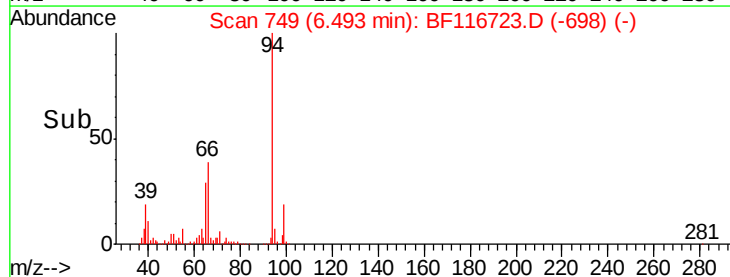
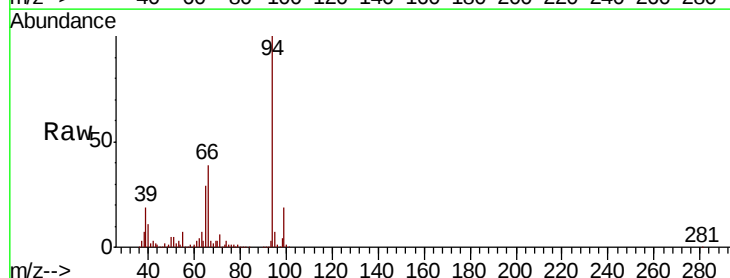
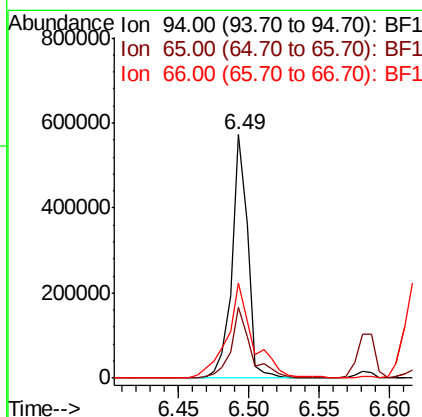
RT: 6.49 min Scan# 749

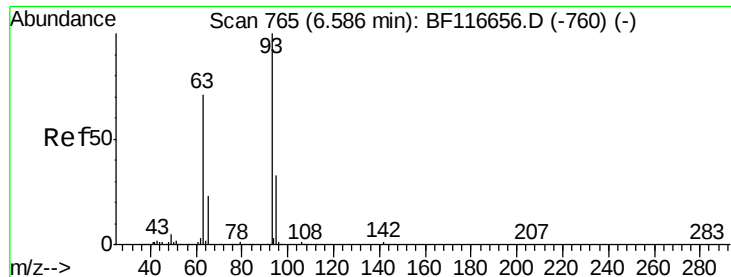
Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:	94	Resp:	448068
Ion Ratio	Lower	Upper	
94	100		
65	28.8	10.8	50.8
66	39.0	21.1	61.1





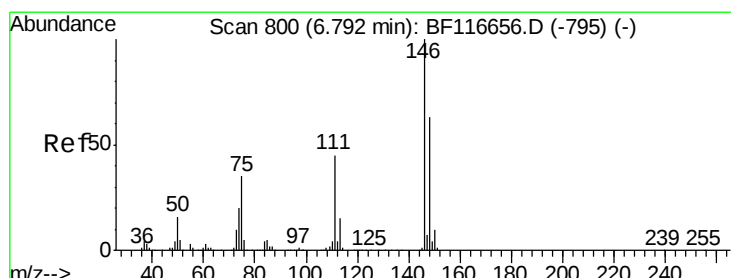
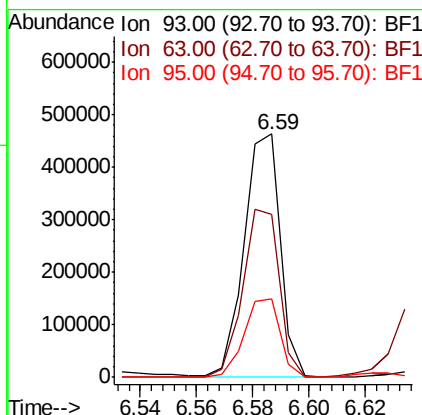
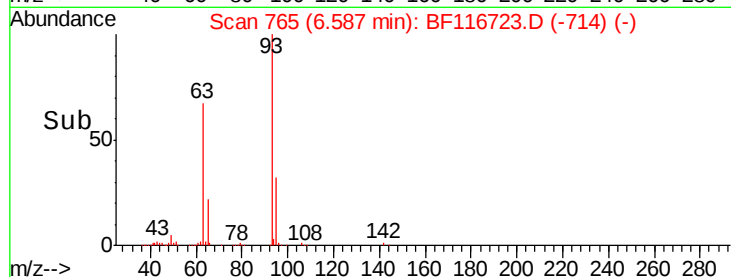
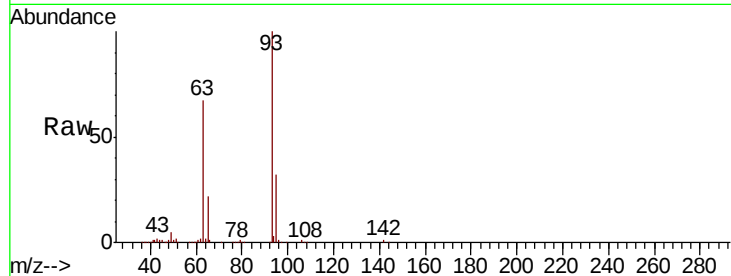
#11
bis(2-Chloroethyl)ether
Concen: 47.077 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		411169		
63	67.0	49.9	89.9		
95	32.2	12.7	52.7		

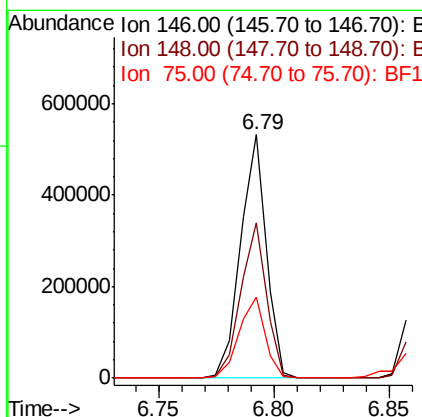
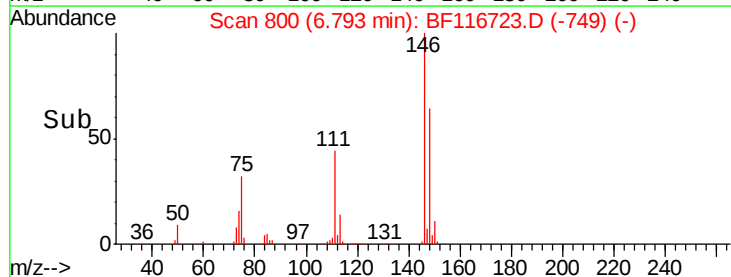
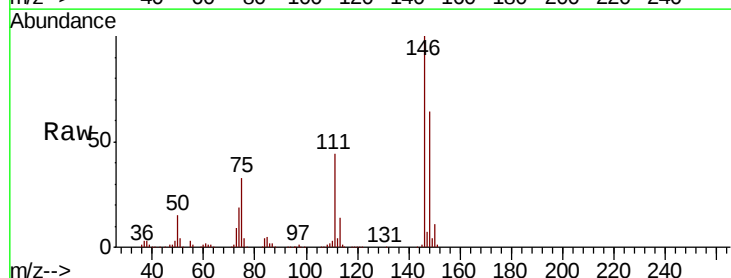
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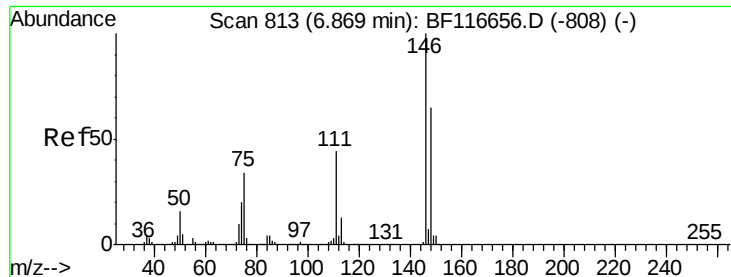
mohammad
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#12
1,3-Dichlorobenzene
Concen: 43.710 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		416016		
148	63.6	51.4	77.0		
75	33.0	29.6	44.4		





#13

1,4-Dichlorobenzene

Concen: 44.888 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

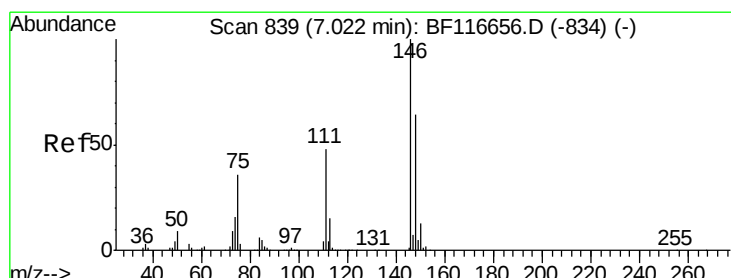
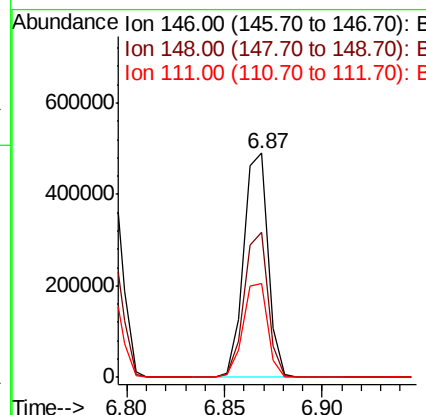
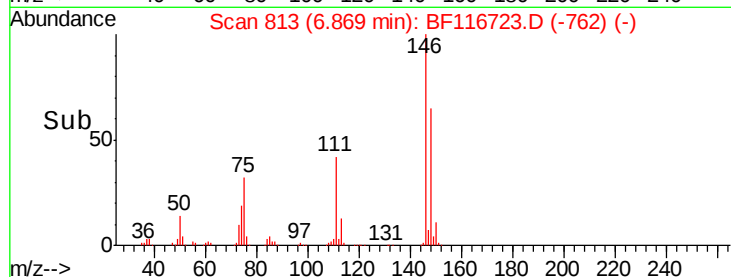
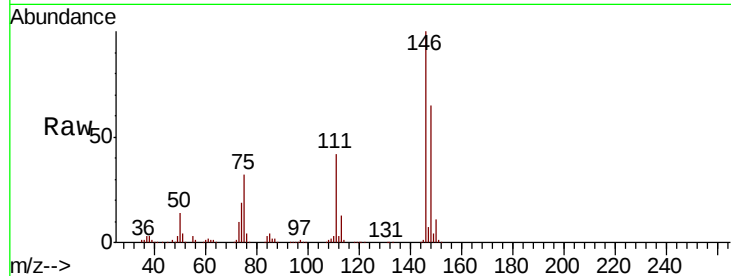
ClientSampleId :

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Tot Ion:	146	Resp:	425341
Ion Ratio	Lower	Upper	
146	100		
148	65.0	51.4	77.2
111	42.2	34.8	52.2

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#14

1,2-Dichlorobenzene

Concen: 45.120 ng

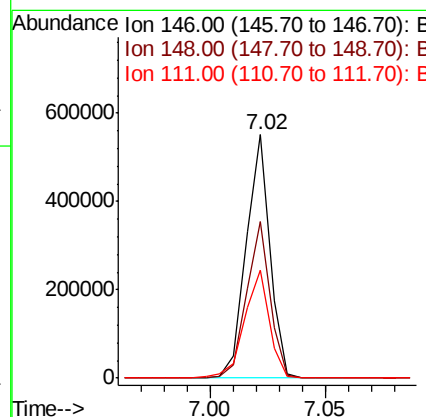
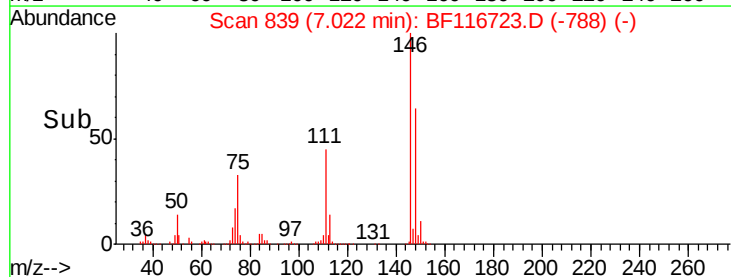
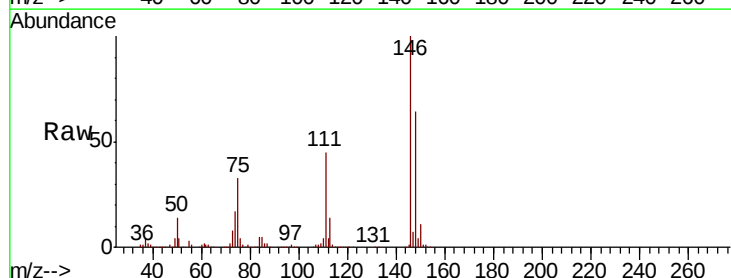
RT: 7.02 min Scan# 839

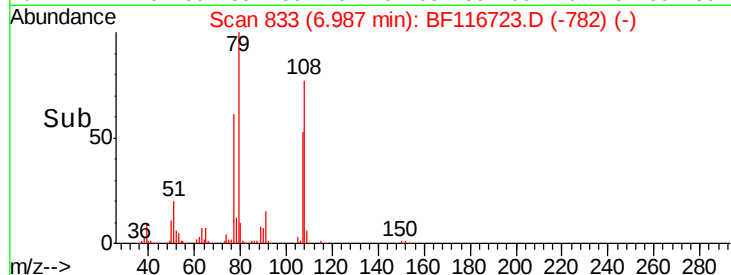
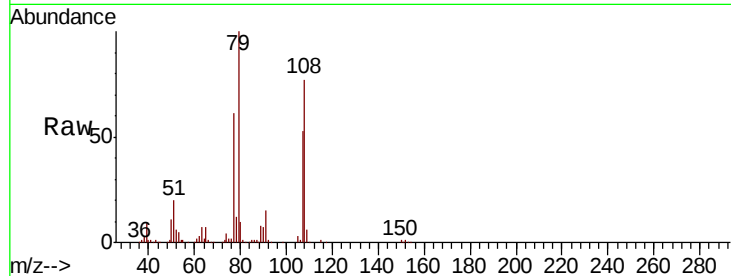
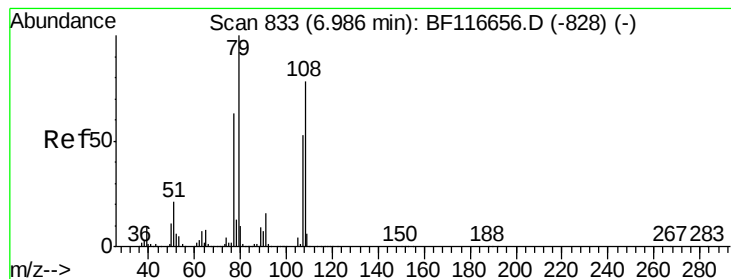
Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:	146	Resp:	396214
Ion Ratio	Lower	Upper	
146	100		
148	64.4	52.6	78.8
111	44.5	34.2	51.4





#15

Benzyl Alcohol

Concen: 46.499 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tot Ion:	79	Resp:	382344
Ion Ratio	Lower	Upper	
79	100		
108	77.2	59.2	88.8
77	61.4	53.0	79.4

Instrument :

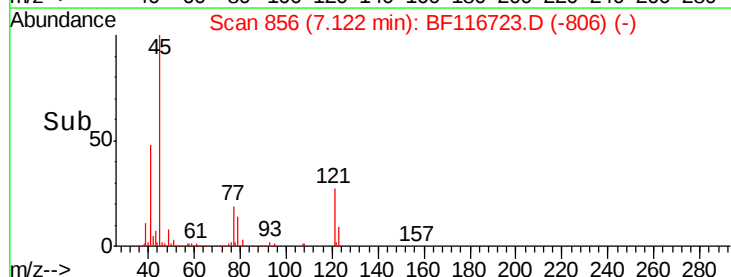
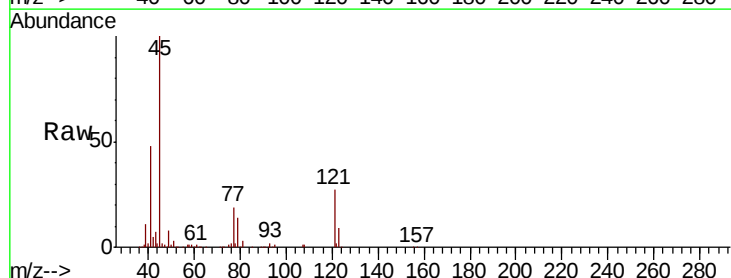
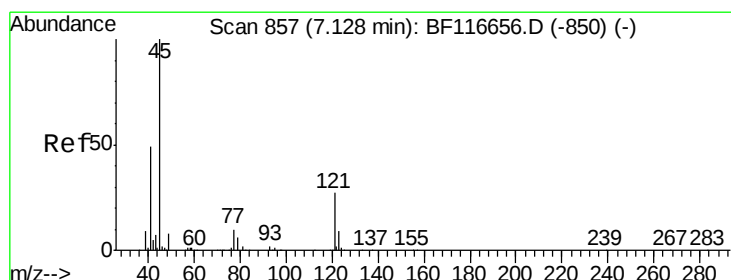
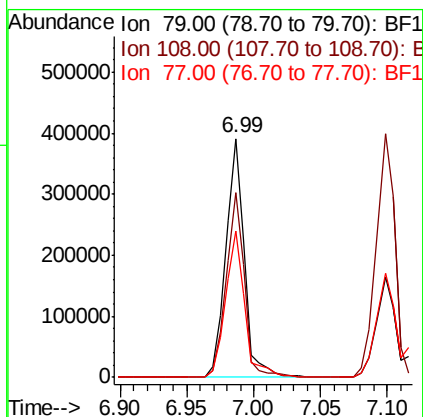
BNA_F

ClientSampleId :

OK-02-082919MSD

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.402 ng

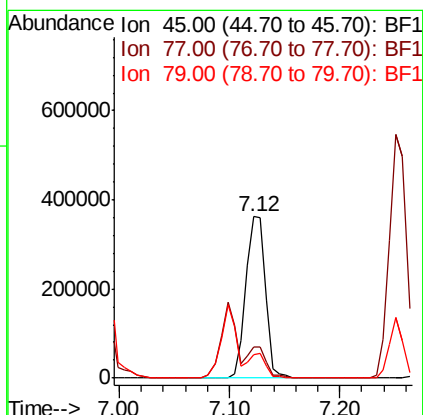
RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:	45	Resp:	454996
Ion Ratio	Lower	Upper	
45	100		
77	19.0	0.0	38.2
79	14.5	0.0	33.9





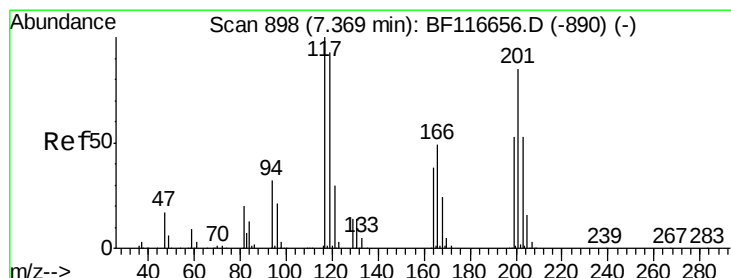
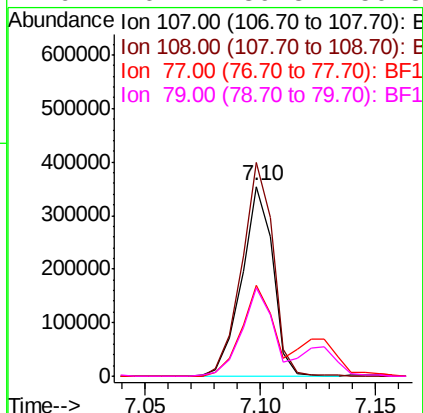
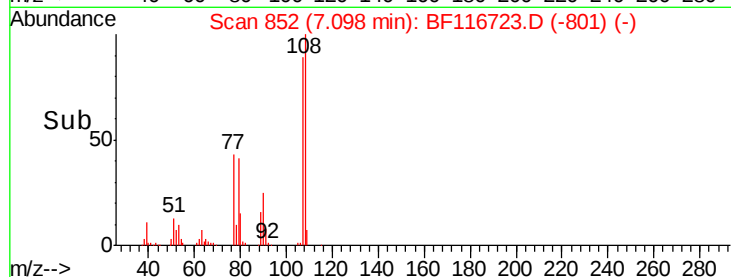
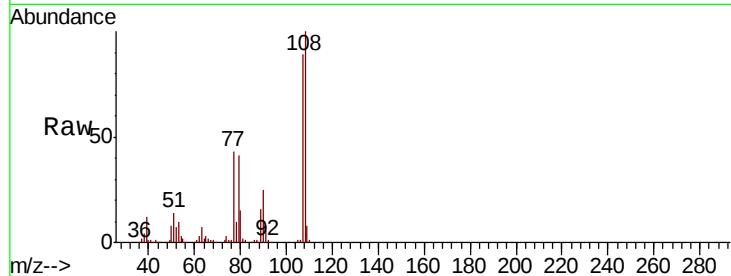
#17
2-Methylphenol
Concen: 45.348 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.6	88.3	132.5	
77	48.0	39.9	59.9	
79	46.4	39.8	59.8	

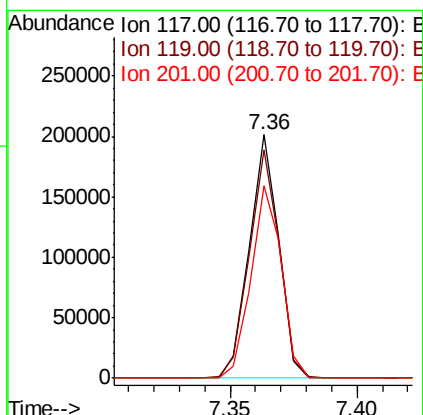
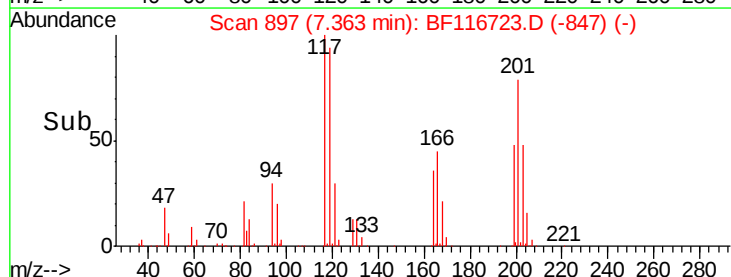
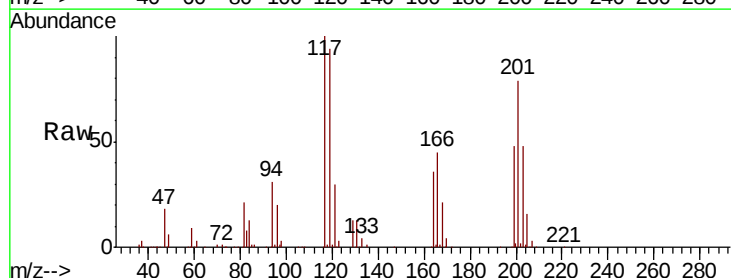
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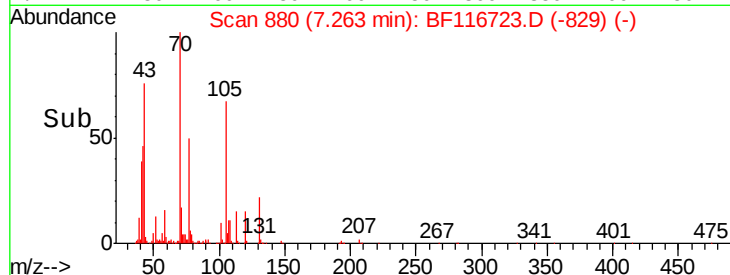
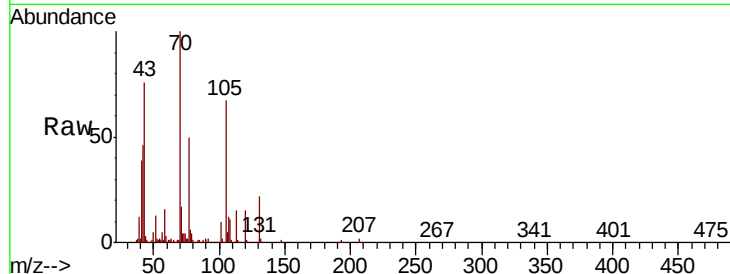
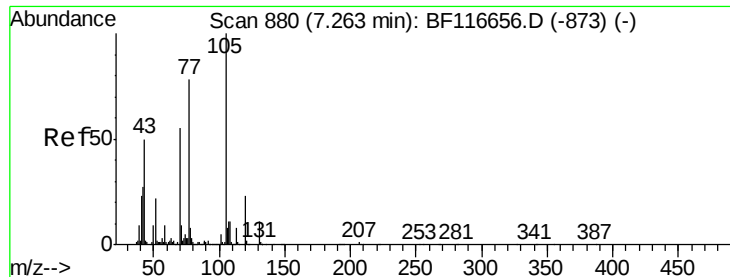
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#18
Hexachloroethane
Concen: 43.957 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.7	76.9	115.3	
201	79.0	79.4	119.0#	





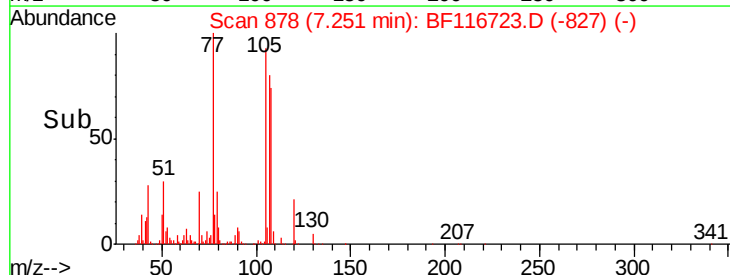
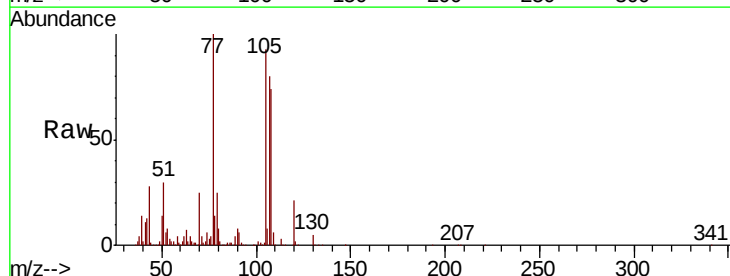
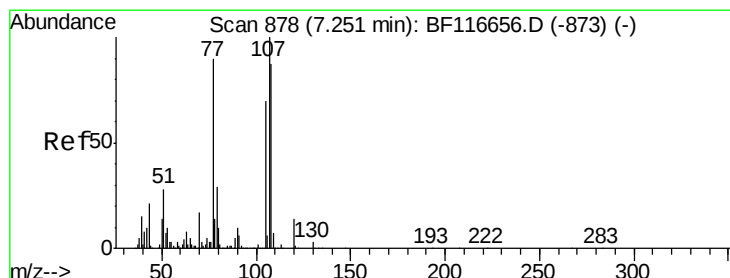
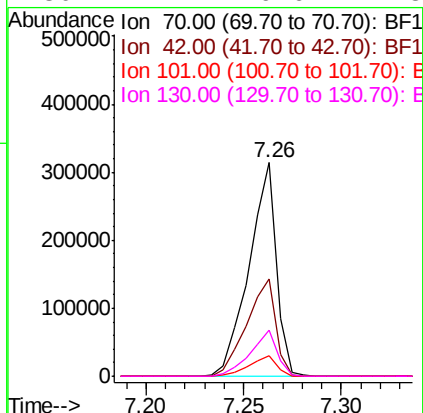
#19
n-Nitroso-di-n-propylamine
Concen: 45.896 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

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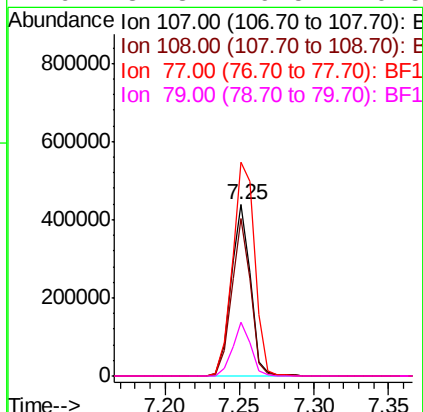
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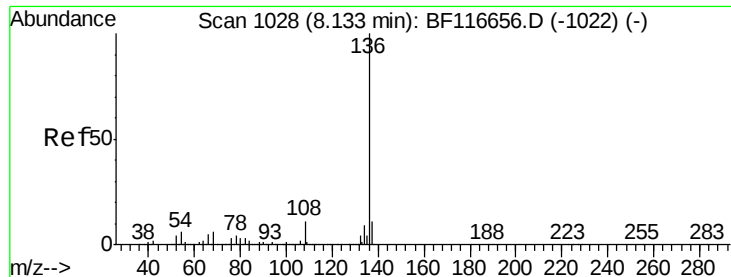
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.6	43.5	65.3
101	9.6	7.8	11.6
130	21.7	16.6	24.8



#20
3+4-Methylphenols
Concen: 46.753 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.9	65.5	105.5
77	124.6	69.4	109.4#
79	31.3	9.5	49.5





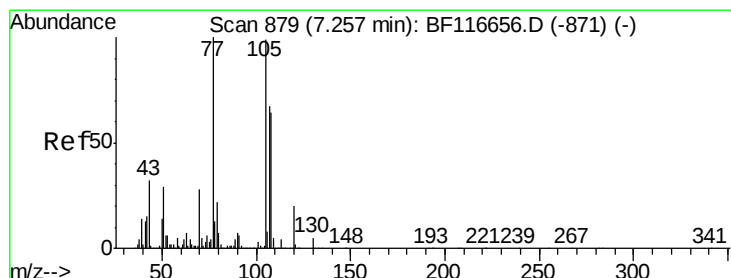
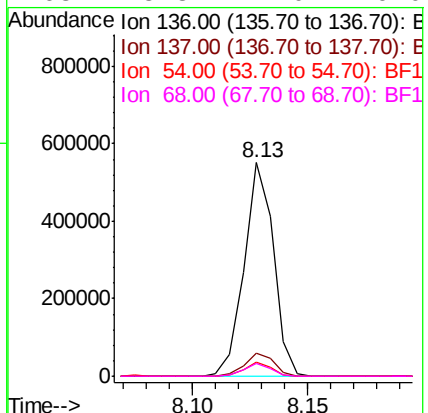
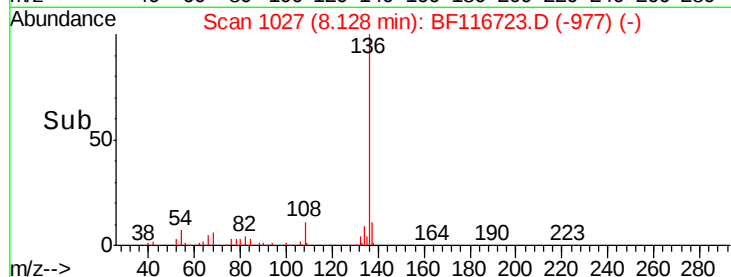
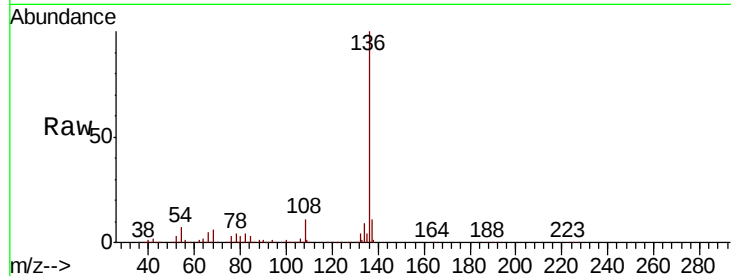
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		491388		
137	10.7		8.9	13.3	
54	6.6		4.8	7.2	
68	5.8		4.0	6.0	

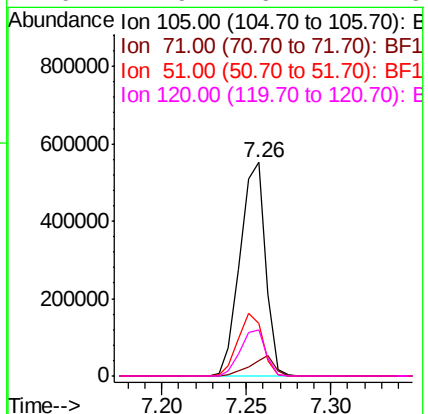
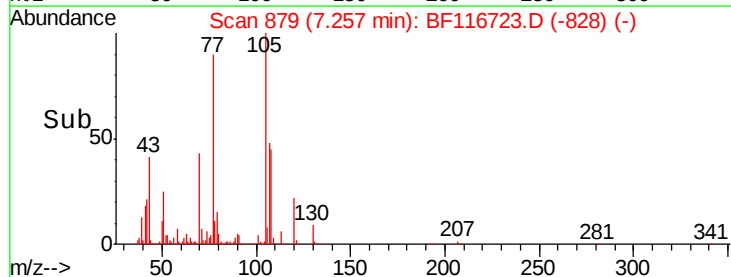
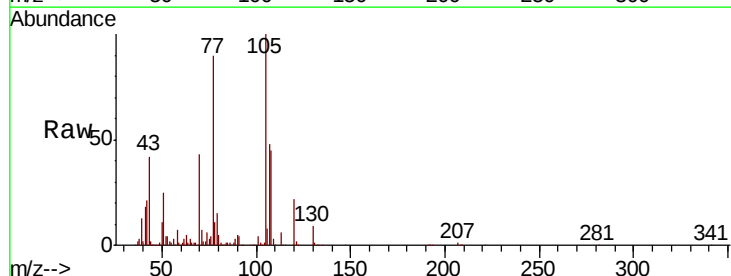
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#22
Acetophenone
Concen: 49.260 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		582762		
71	7.3		4.2	6.4#	
51	24.7		25.8	38.8#	
120	21.9		16.4	24.6	





#23

Nitrobenzene-d5

Concen: 103.580 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

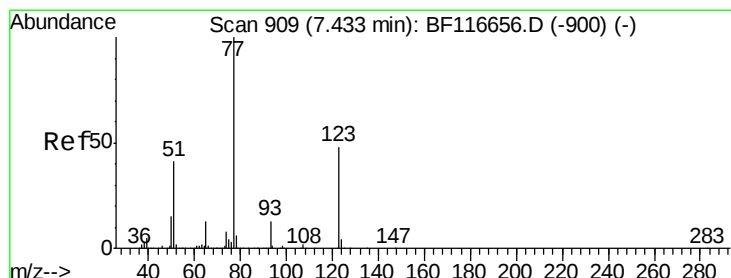
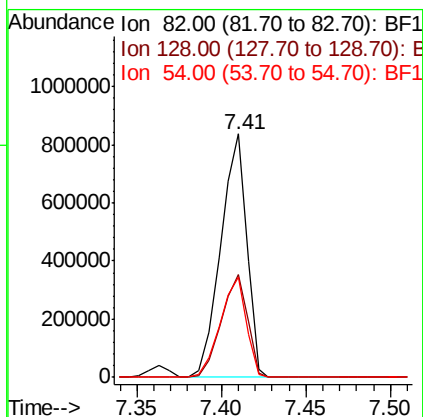
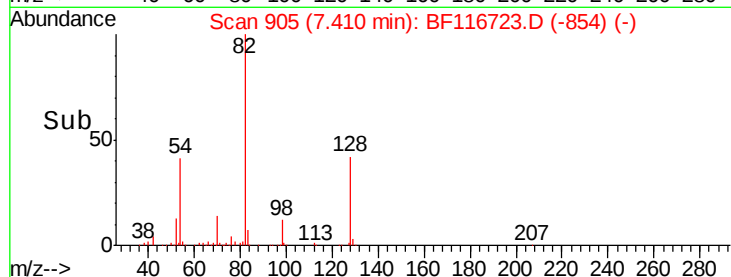
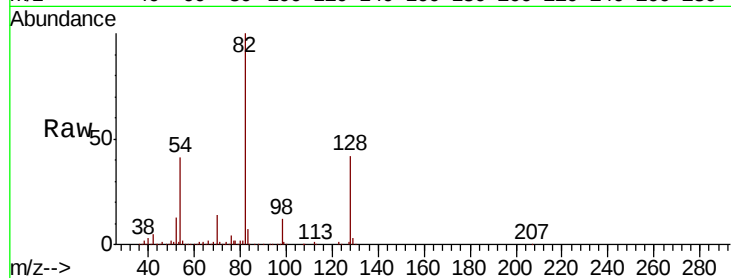
ClientSampleId :

OK-02-082919MSD

Tot Ion:	82	Resp:	891577
Ion Ratio		Lower	Upper
82	100		
128	42.5	32.8	49.2
54	41.3	36.9	55.3

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#24

Nitrobenzene

Concen: 52.531 ng

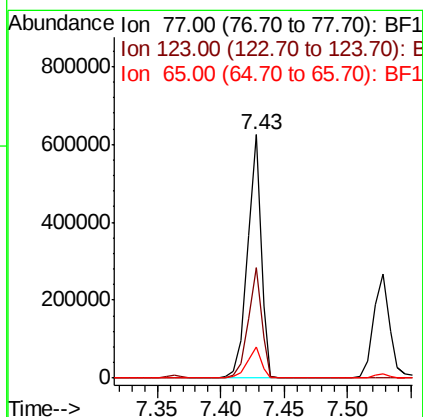
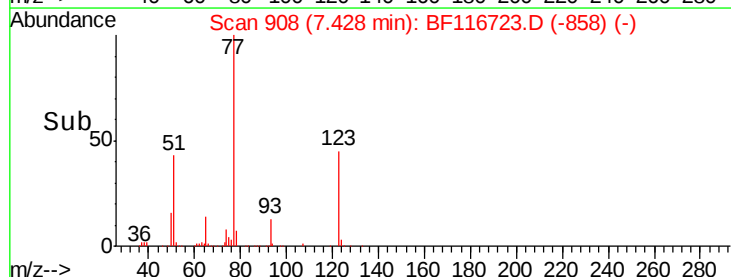
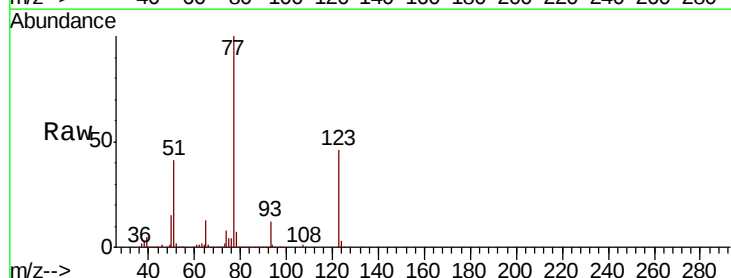
RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:	77	Resp:	459876
Ion Ratio		Lower	Upper
77	100		
123	45.6	33.1	49.7
65	12.8	10.6	15.8





#25

Isophorone

Concen: 49.511 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

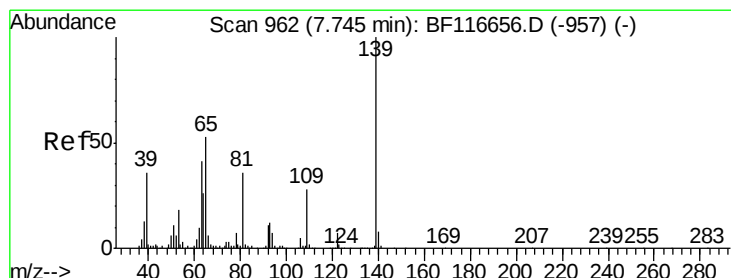
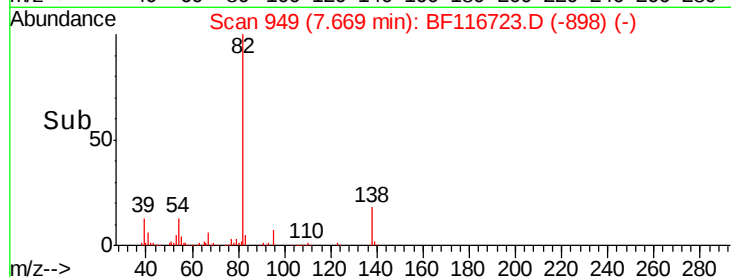
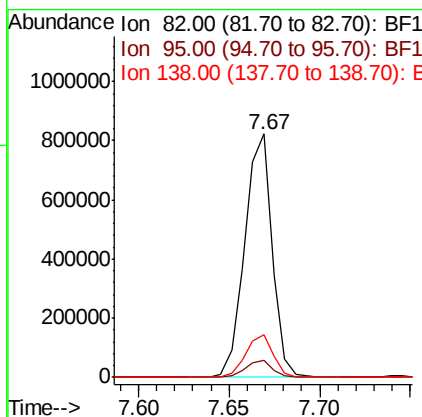
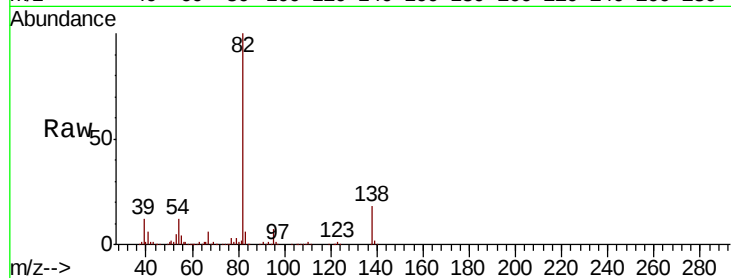
ClientSampleId :

OK-02-082919MSD

Tot Ion:	82	Resp:	863578
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.8	8.6
138	17.6	13.5	20.3

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#26

2-Nitrophenol

Concen: 62.310 ng

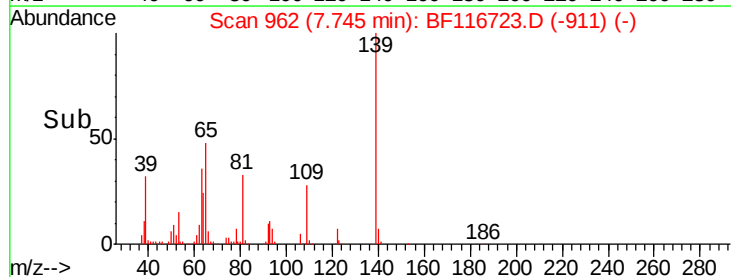
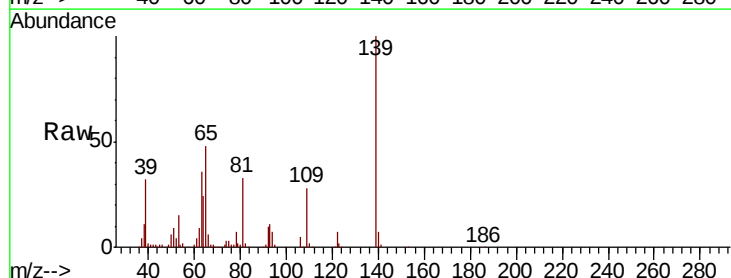
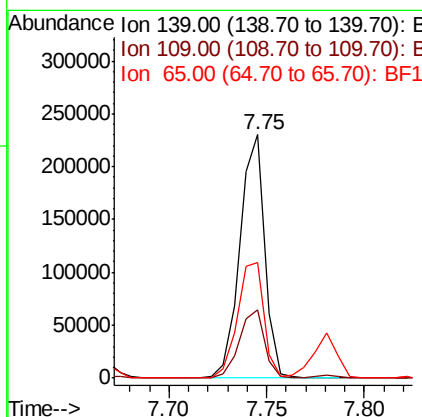
RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:	139	Resp:	202800
Ion Ratio	Lower	Upper	
139	100		
109	28.2	27.1	40.7
65	47.7	43.0	64.6





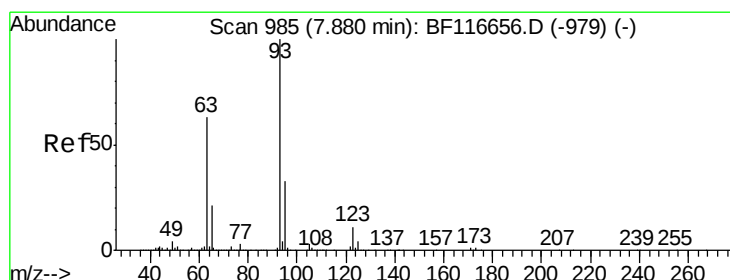
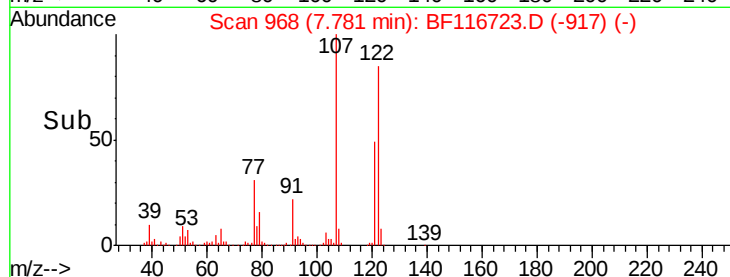
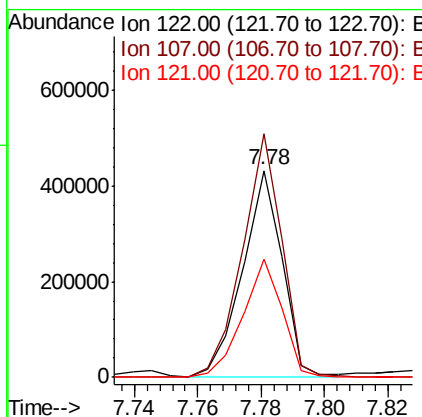
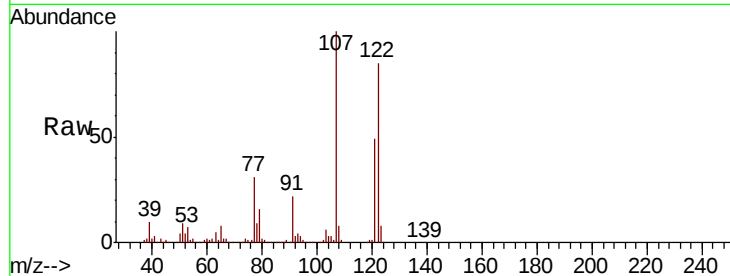
#27
2,4-Dimethylphenol
Concen: 57.124 ng
RT: 7.78 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.9	98.1	147.1
121	57.5	47.3	70.9

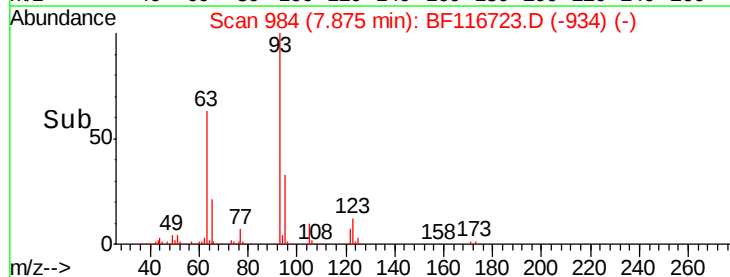
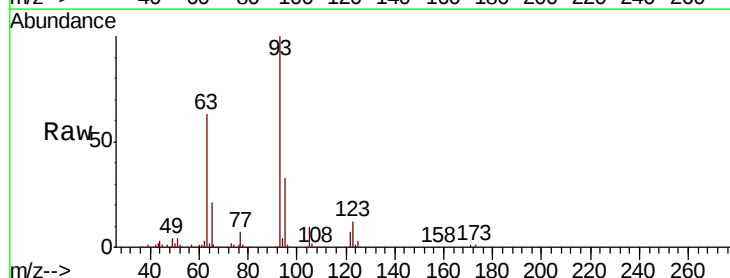
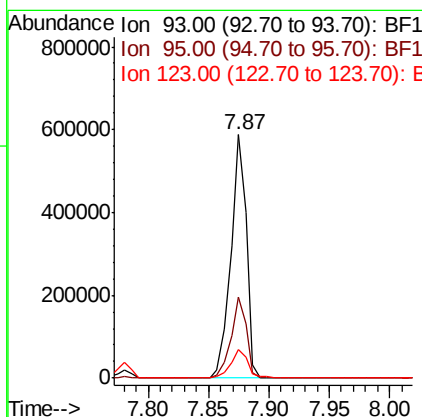
Manual Integrations
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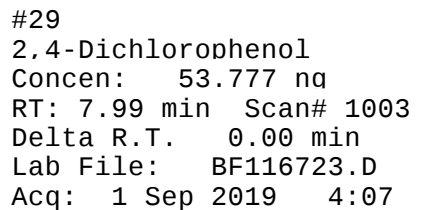
mohammad
9/5/2019 9:23:53 AM



#28
bis(2-Chloroethoxy)methane
Concen: 49.268 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.4	39.6
123	11.7	9.8	14.8



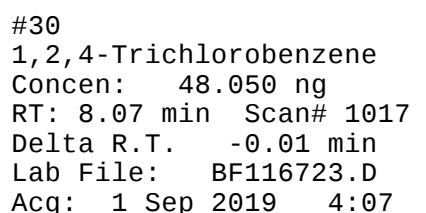
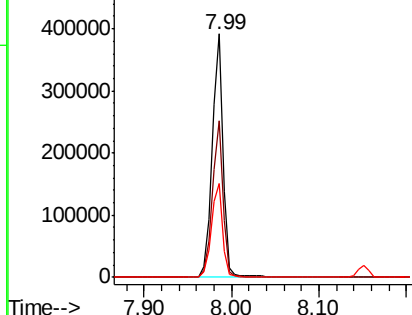
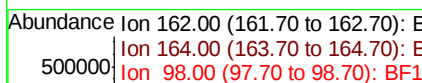


Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

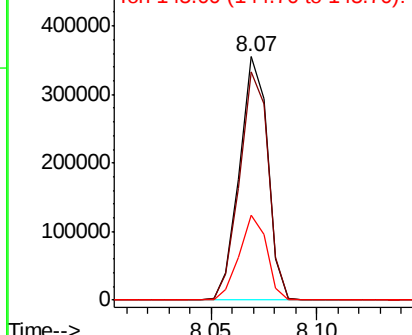
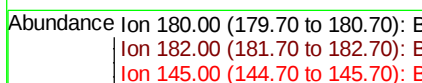
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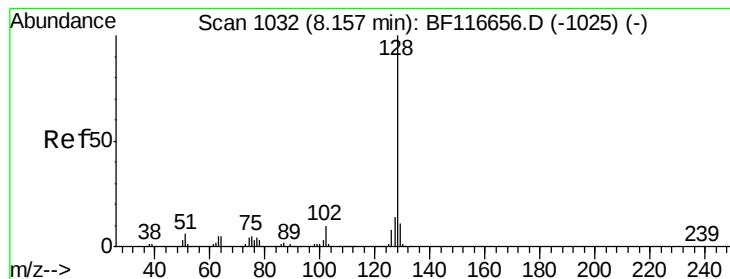
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Tot	Ion:162	Resp:	339706
Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.4	83.4
98	38.6	18.1	58.1



Tgt	Ion:180	Resp:	329223
Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.6	118.0
145	34.7	25.7	38.5





#31

Naphthalene

Concen: 50.541 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

Tot Ion:128 Resp: 1180943

Ion Ratio Lower Upper

128 100

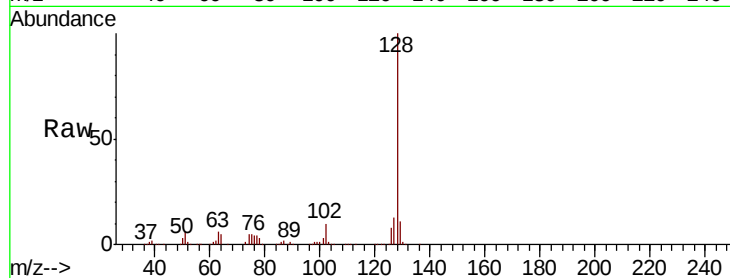
129 11.3 8.6 13.0

127 13.4 10.4 15.6

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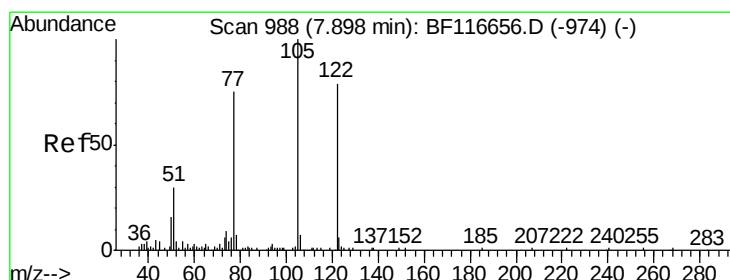
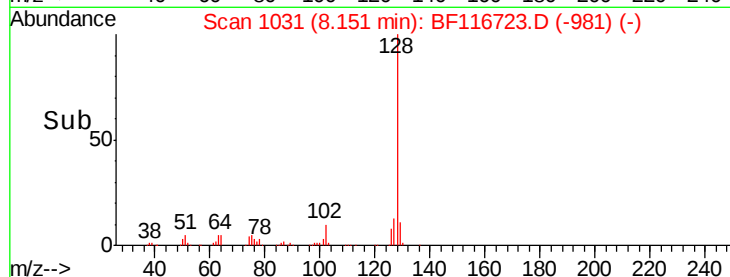
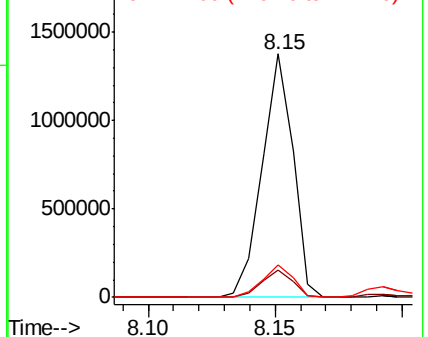


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 48.960 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

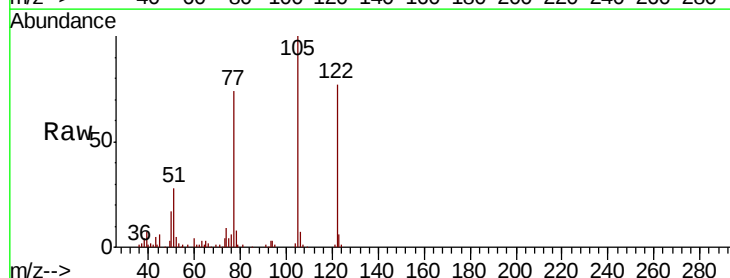
Tgt Ion:122 Resp: 181715

Ion Ratio Lower Upper

122 100

105 129.9 110.0 150.0

77 96.6 81.7 121.7

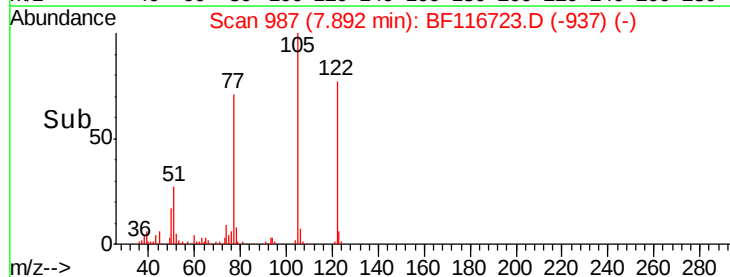
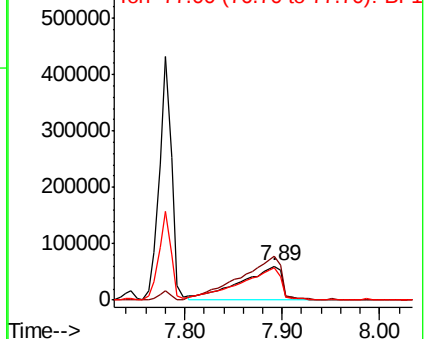


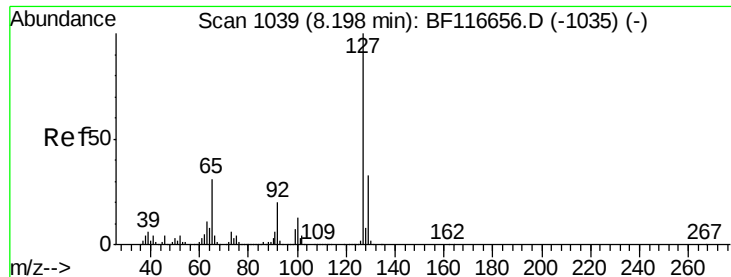
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





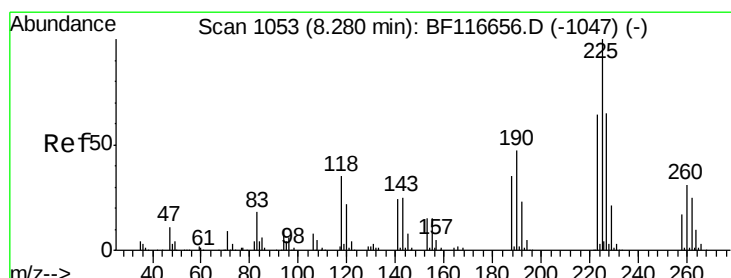
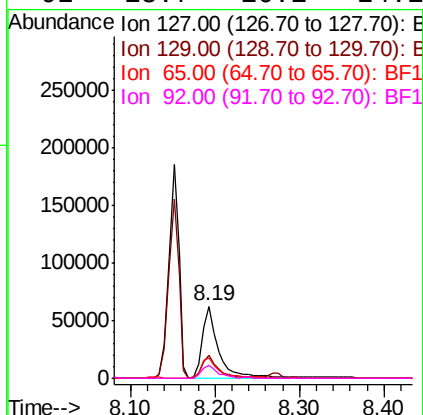
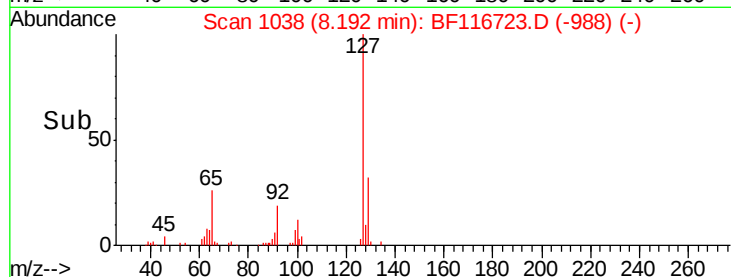
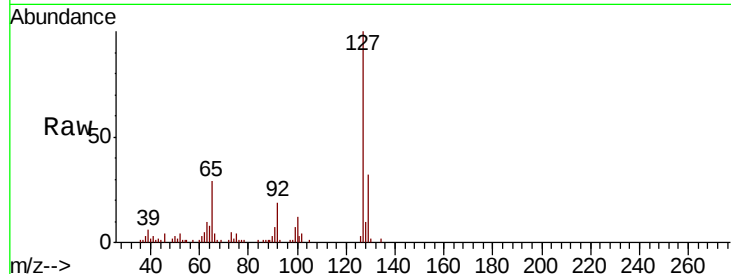
#33
4-Chloroaniline
Concen: 7.723 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		82146		
129	32.2	26.2	39.2		
65	29.0	26.0	39.0		
92	18.7	16.1	24.1		

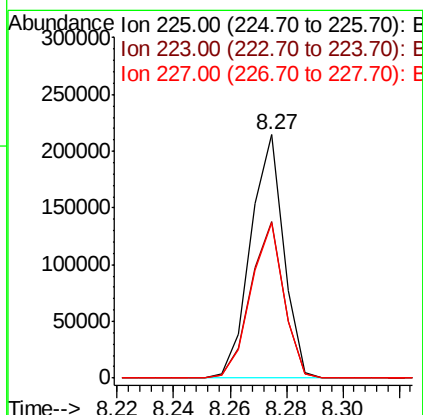
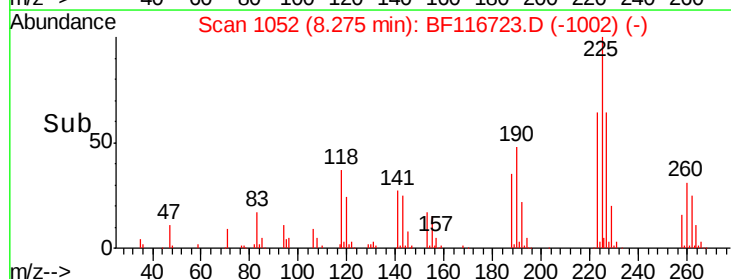
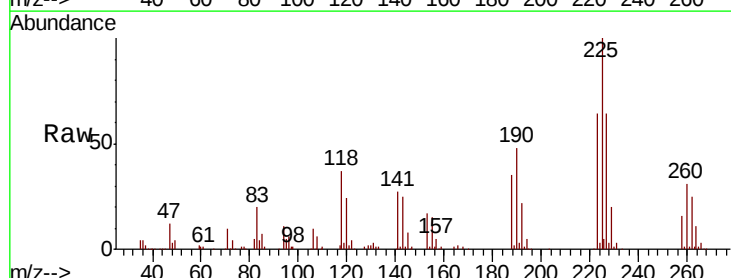
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#34
Hexachlorobutadiene
Concen: 46.691 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		174431		
223	64.1	49.4	74.2		
227	63.7	51.0	76.4		





#35

Caprolactam

Concen: 39.085 ng/mL

RT: 8.56 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

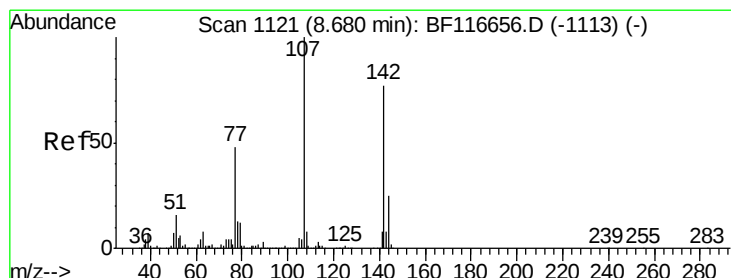
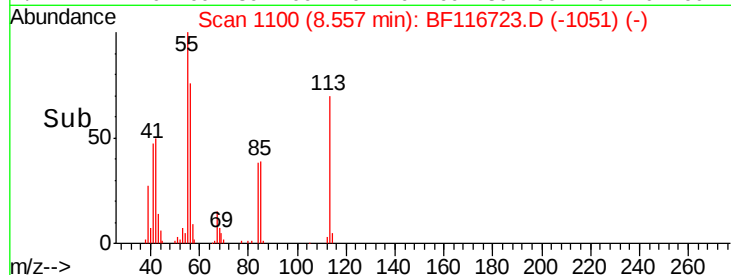
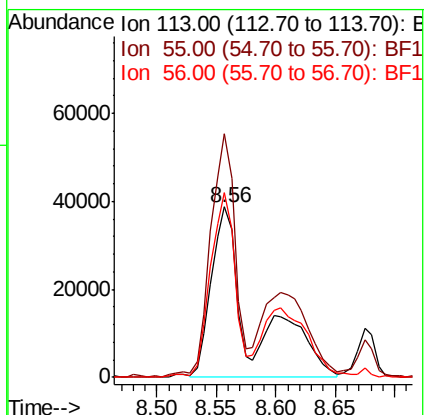
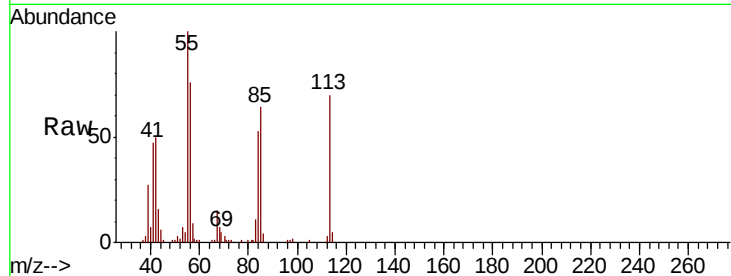
ClientSampleId :

OK-02-082919MSD

Tot Ion:	113	Resp:	92400
Ion Ratio	Lower	Upper	
113	100		
55	142.8	124.3	164.3
56	108.2	94.6	134.6

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 54.968 ng/mL

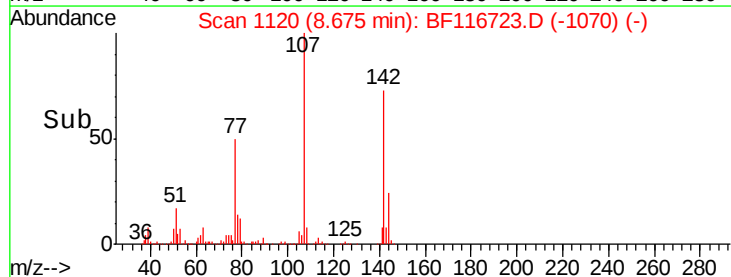
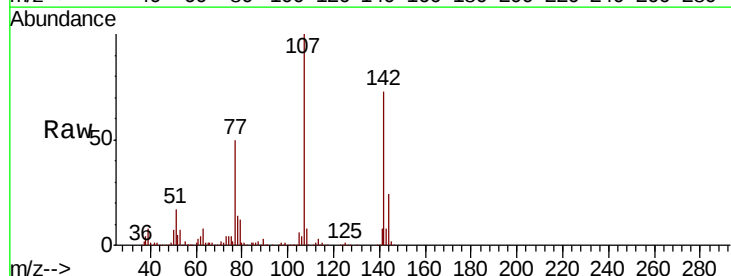
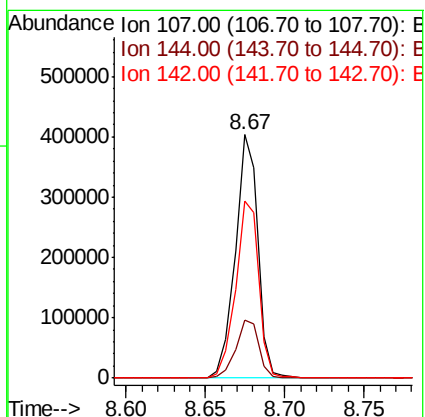
RT: 8.67 min Scan# 1120

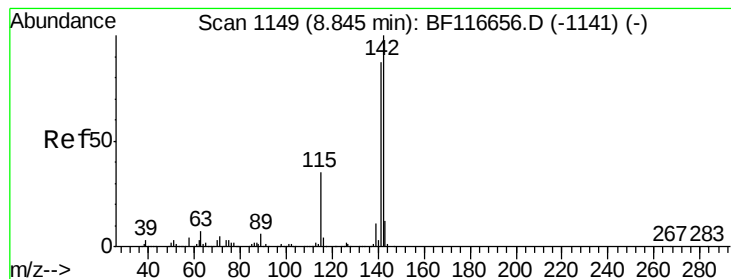
Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:	107	Resp:	399088
Ion Ratio	Lower	Upper	
107	100		
144	23.6	18.6	27.8
142	72.7	58.5	87.7





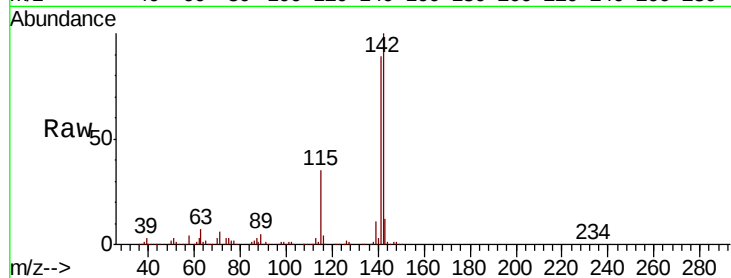
#37
2-Methylnaphthalene
Concen: 52.566 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.6	109.0
115	35.0	29.8	44.6

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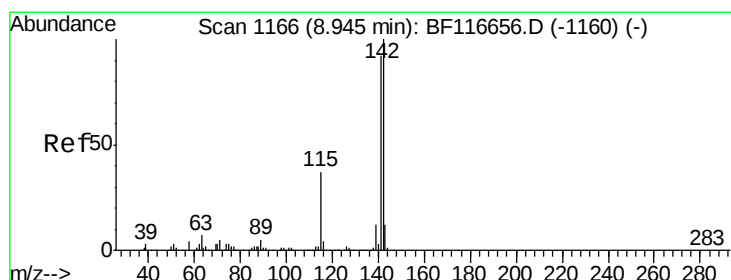
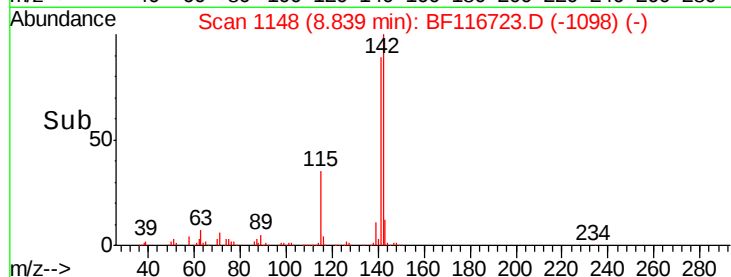
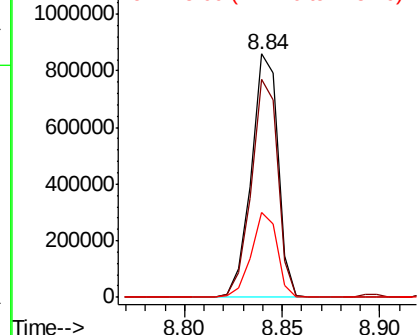


Abundance

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: 52.064 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

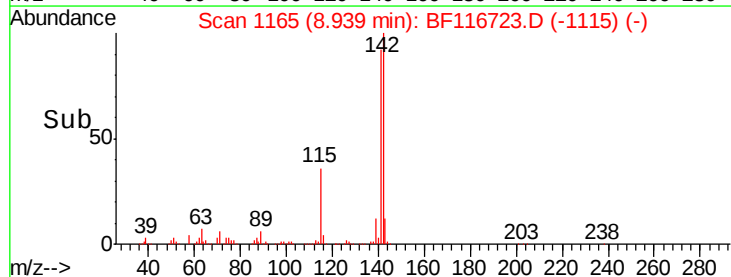
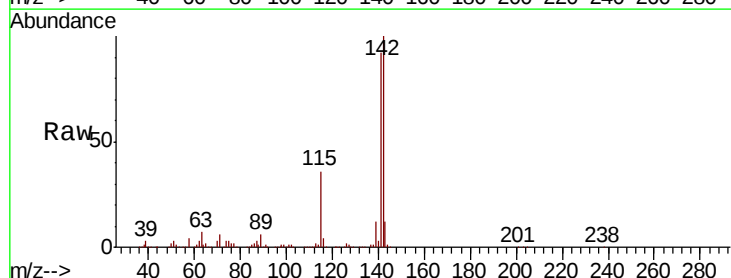
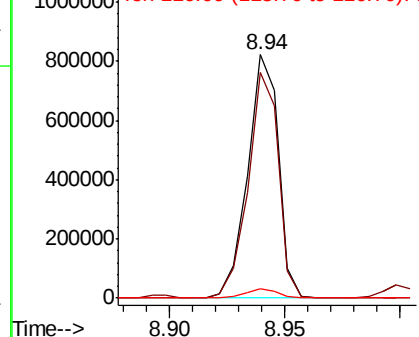
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.9	110.9
116	3.9	3.0	4.6

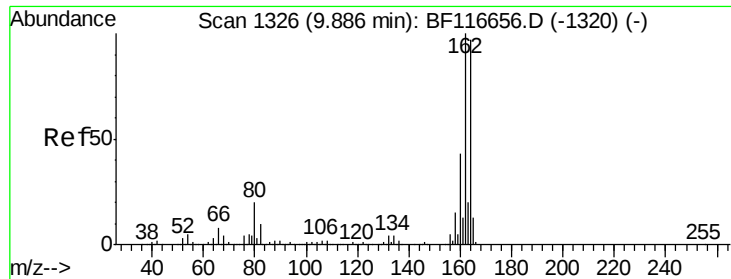
Abundance

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





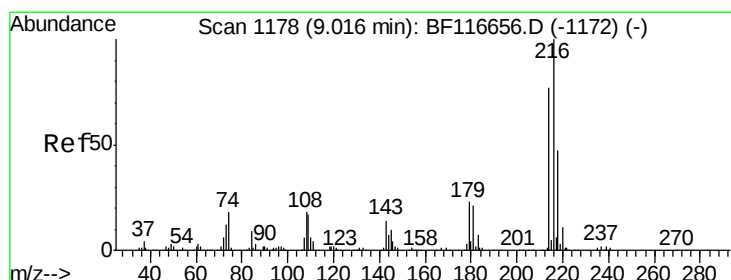
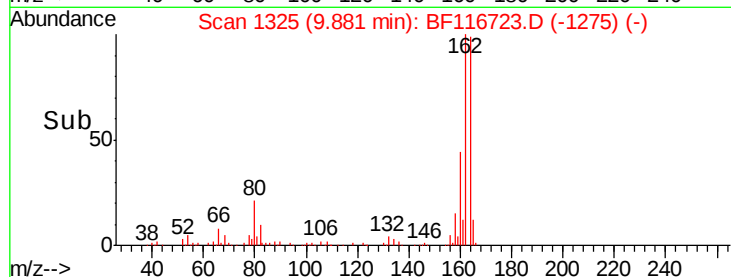
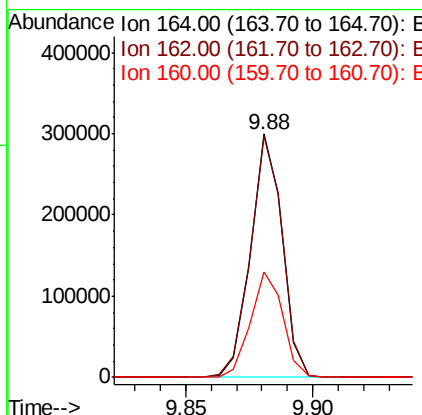
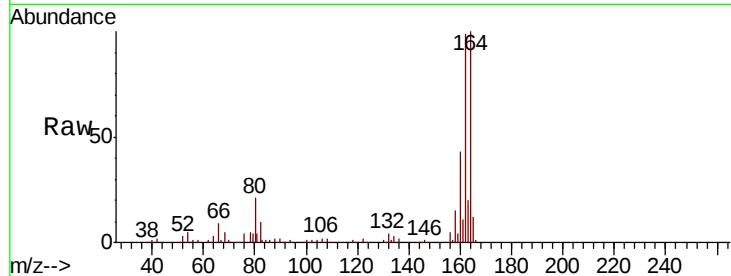
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.9	81.4	122.0	
160	43.2	35.4	53.2	

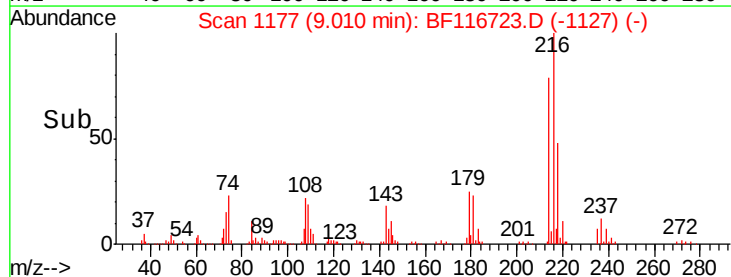
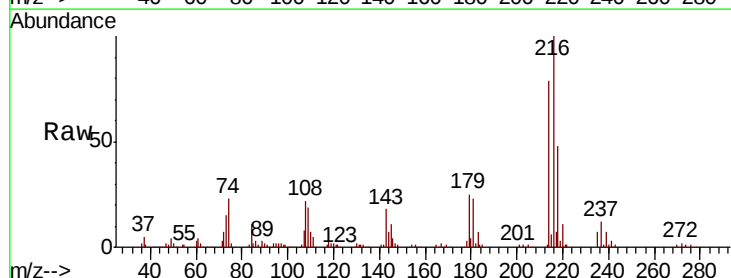
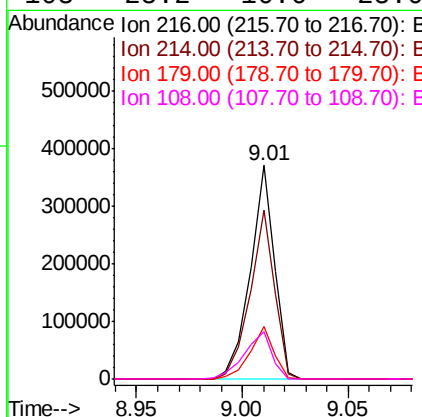
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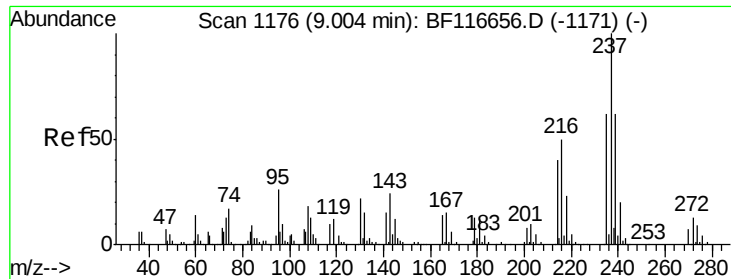
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.235 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.5	62.7	94.1	
179	23.8	19.3	28.9	
108	25.2	16.6	25.0	#





#41

Hexachlorocyclopentadiene

Concen: 71.116 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

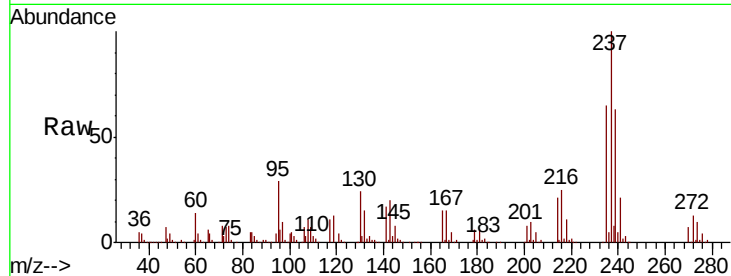
ClientSampleId :

OK-02-082919MSD

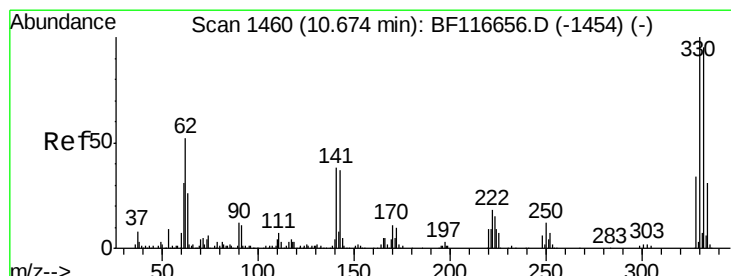
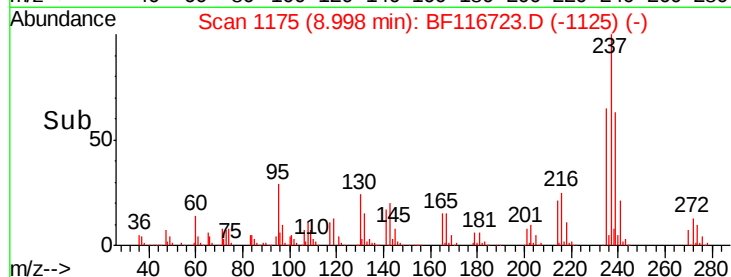
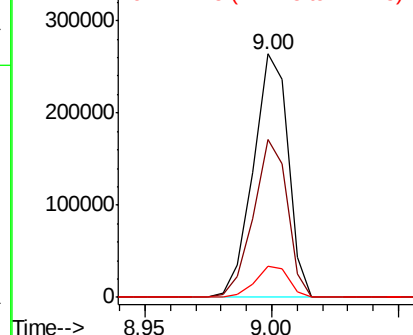
Tot Ion:	237	Resp:	254043
Ion Ratio	Lower	Upper	
237	100		
235	65.1	41.4	81.4
272	12.5	0.0	32.8

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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: 161.364 ng

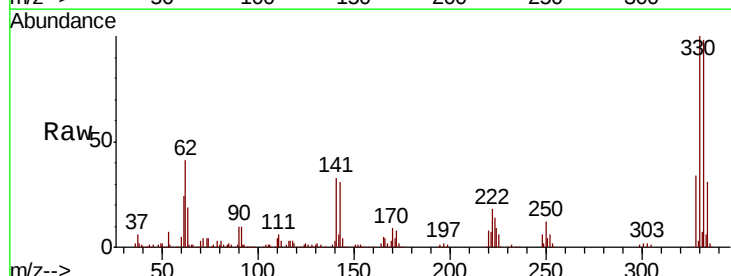
RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

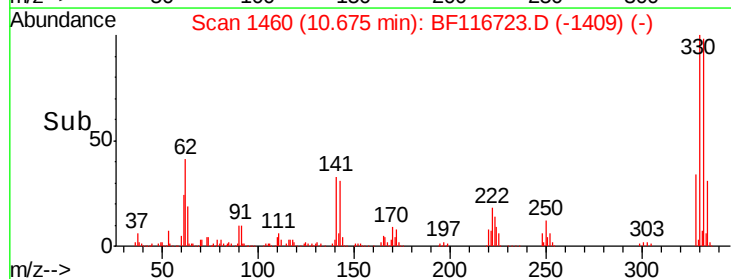
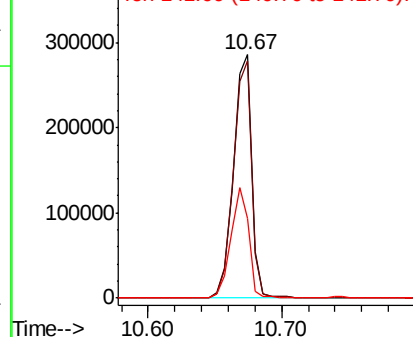
Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:	330	Resp:	278377
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.9	115.3
141	44.3	31.4	47.2



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





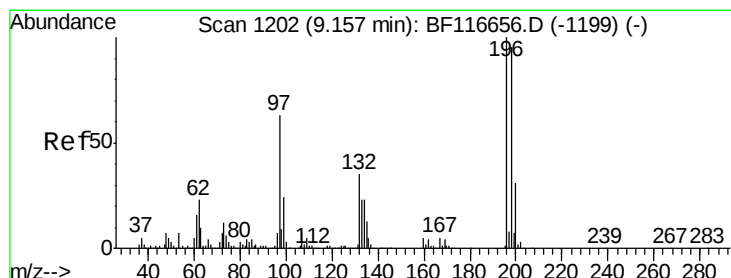
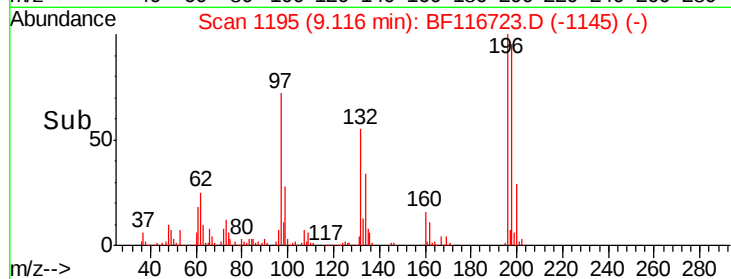
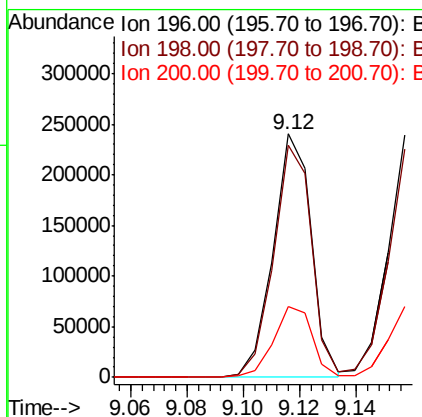
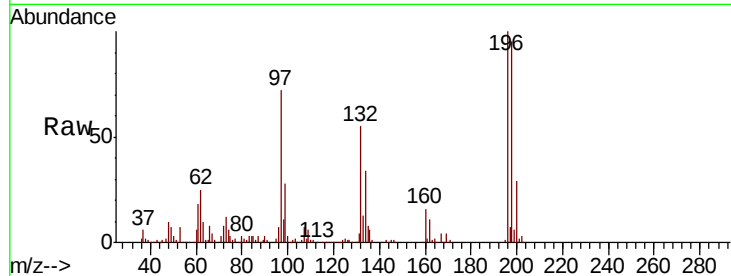
#43
 2,4,6-Trichlorophenol
 Concen: 52.906 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	224346		
198	95.4	79.1	118.7	
200	29.3	24.0	36.0	

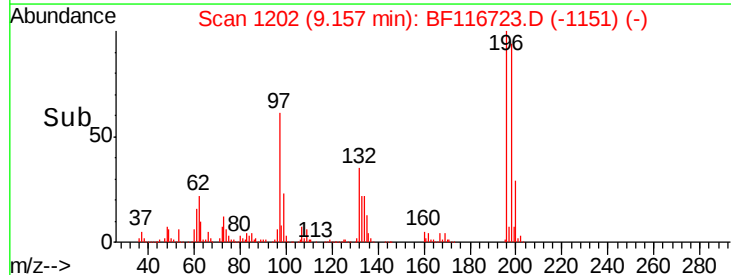
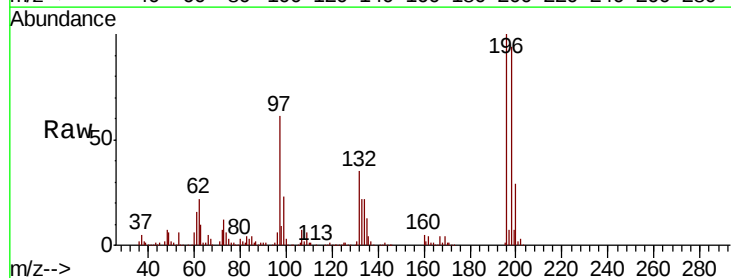
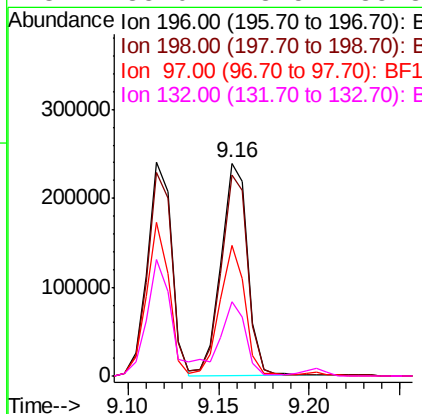
Manual Integrations
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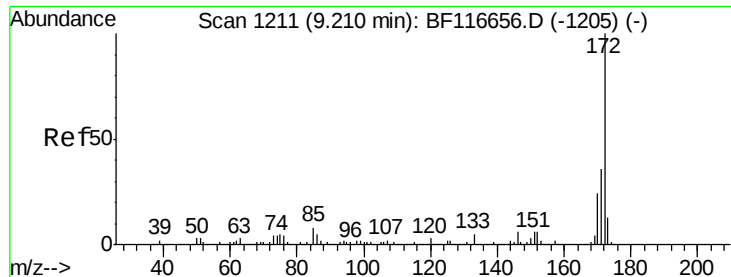
mohammad
 9/5/2019 9:23:53 AM



#44
 2,4,5-Trichlorophenol
 Concen: 55.630 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	244907		
198	94.1	78.1	117.1	
97	61.3	41.6	62.4	
132	35.0	23.5	35.3	





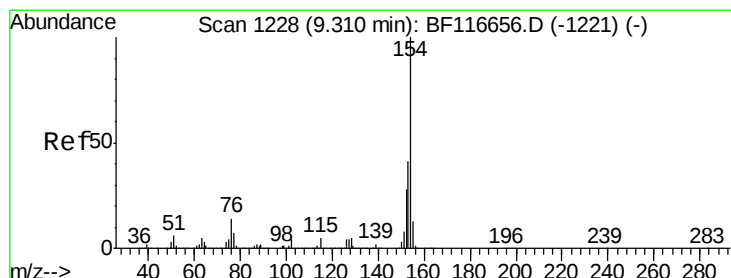
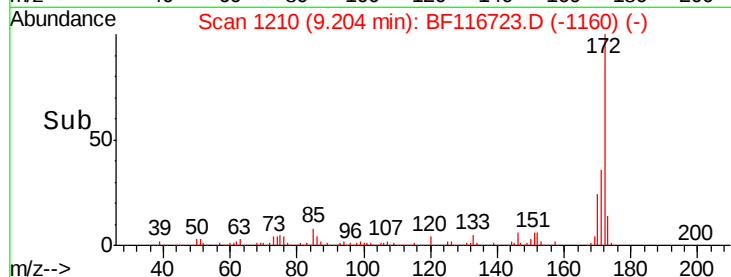
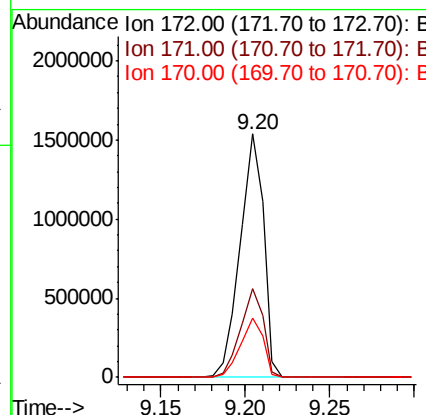
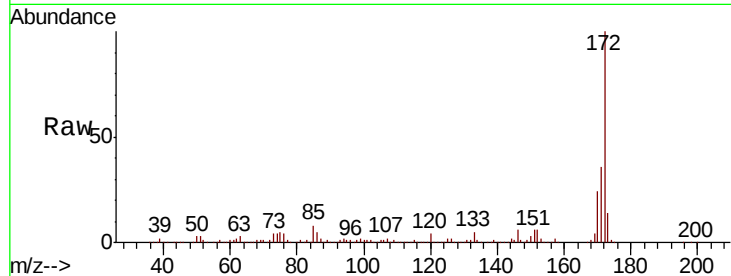
#45
 2-Fluorobiphenyl
 Concen: 97.144 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	27.8	41.6
170	24.3	18.9	28.3

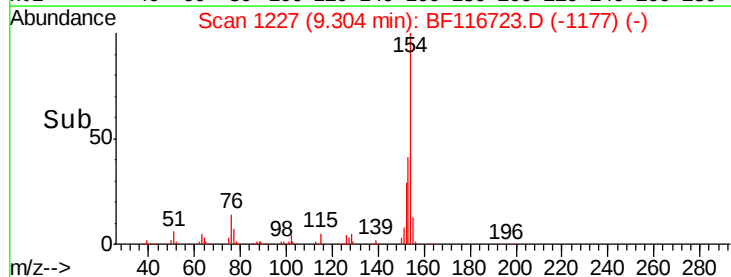
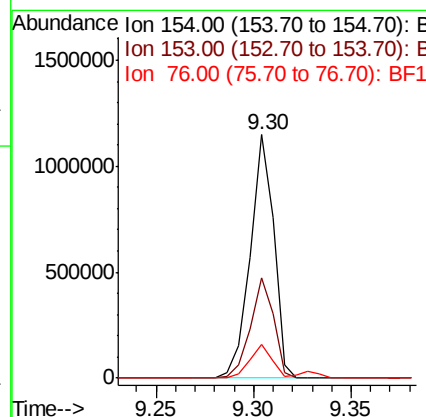
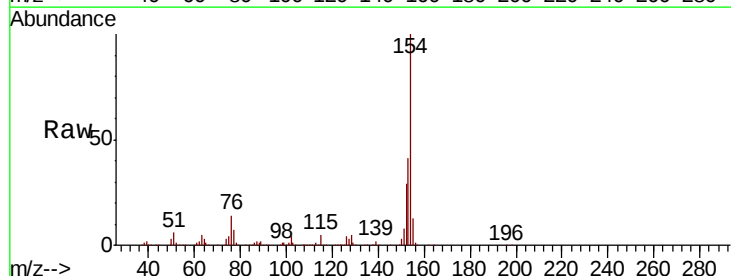
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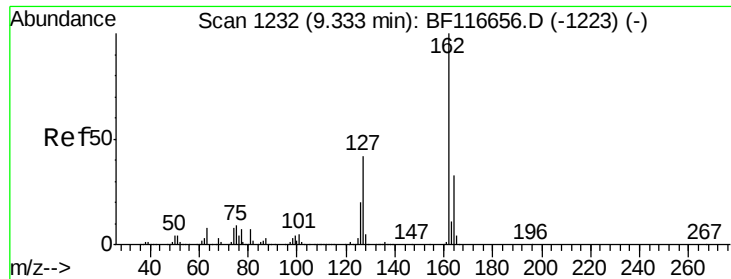
mohammad
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#46
 1,1'-Biphenyl
 Concen: 48.926 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.2	61.2
76	13.7	0.0	30.9





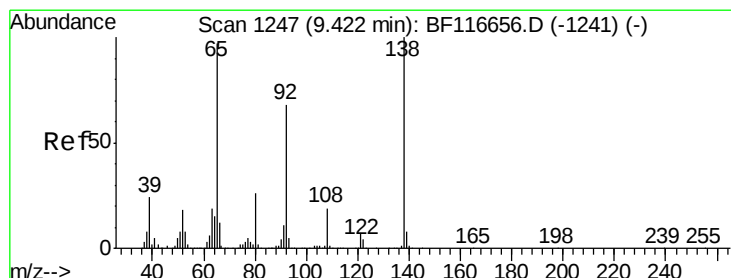
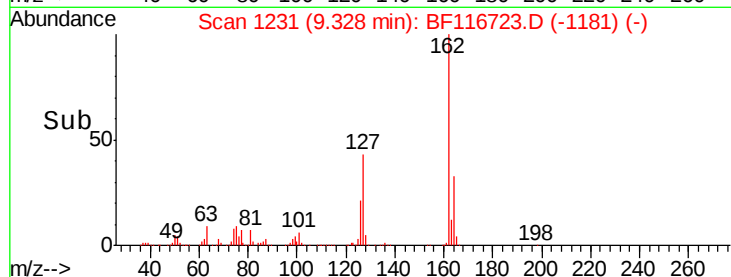
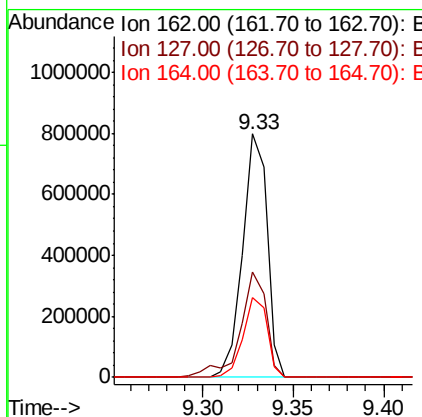
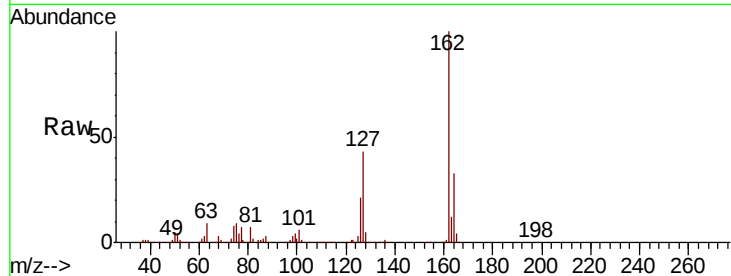
#47
2-Chloronaphthalene
Concen: 48.363 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	750072		
127	43.5		33.4	50.2
164	33.0		26.6	39.8

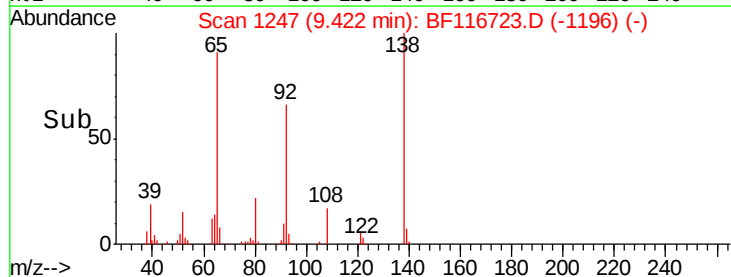
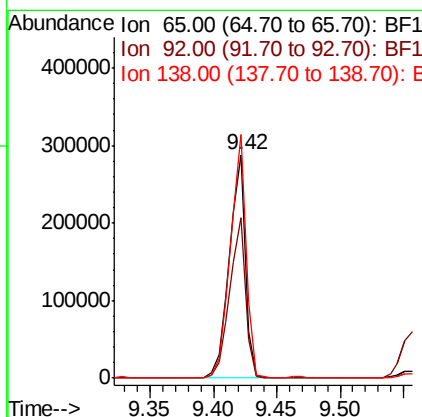
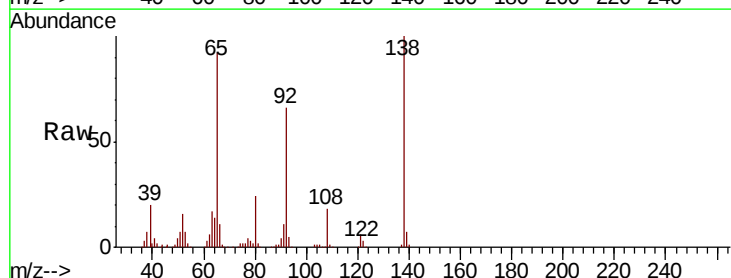
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#48
2-Nitroaniline
Concen: 56.010 ng
RT: 9.42 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	251135		
92	71.5		57.1	85.7
138	108.8		88.2	132.2





#49

Acenaphthylene

Concen: 52.034 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

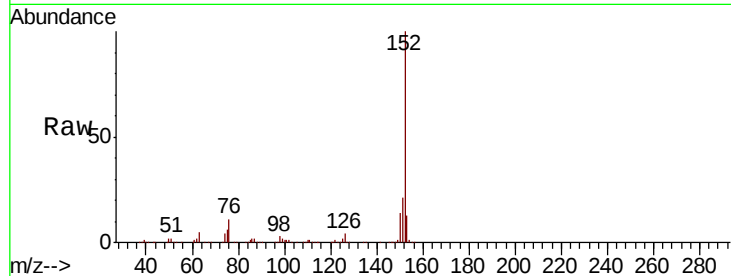
ClientSampleId :

OK-02-082919MSD

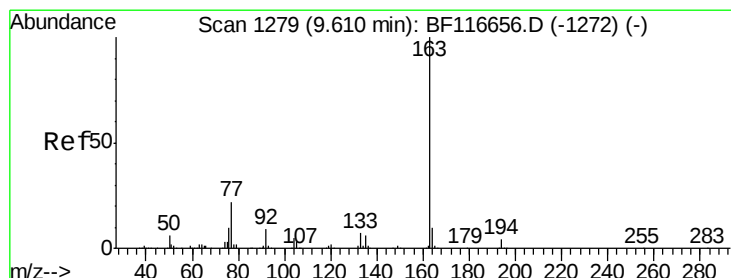
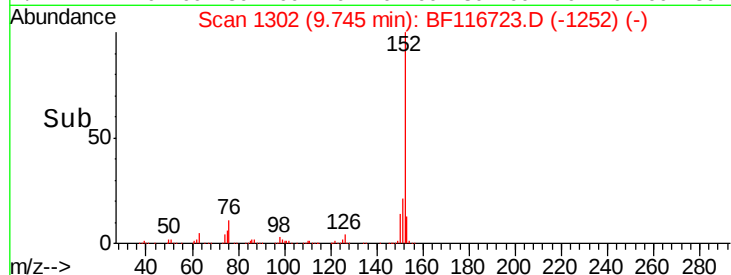
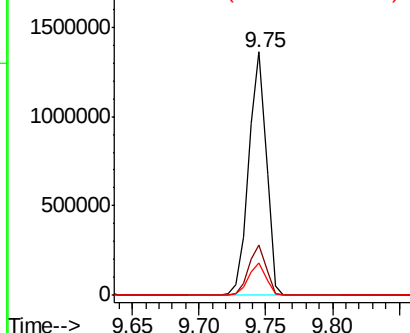
Tot Ion:	152	Resp:	1219907
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.9	23.9
153	13.3	10.9	16.3

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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: 53.015 ng

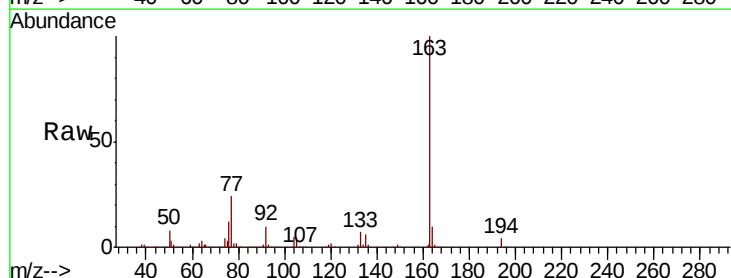
RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

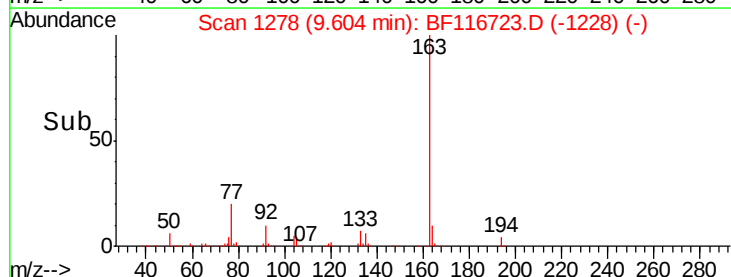
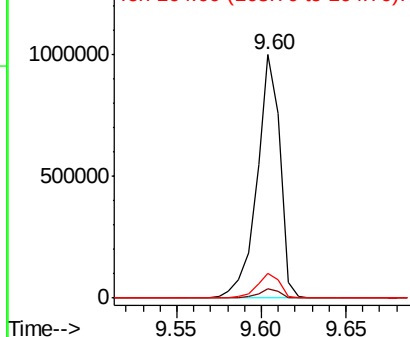
Lab File: BF116723.D

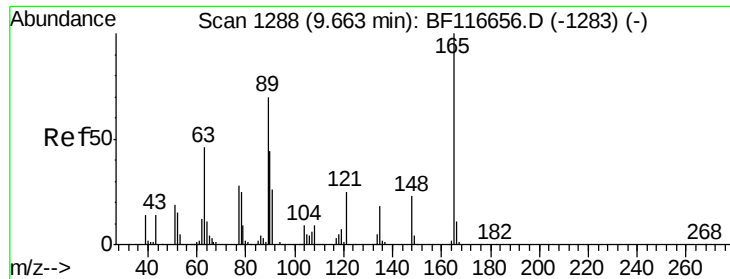
Acq: 1 Sep 2019 4:07

Tgt Ion:	163	Resp:	944505
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.8	4.2
164	10.1	8.6	12.8



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





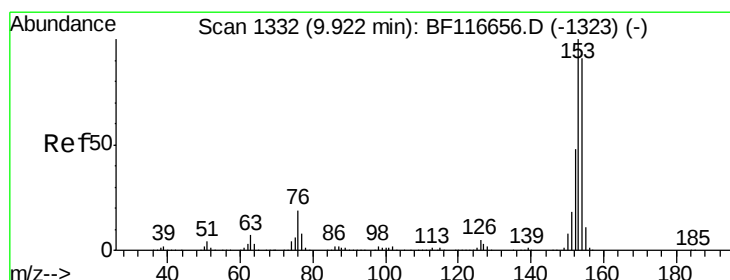
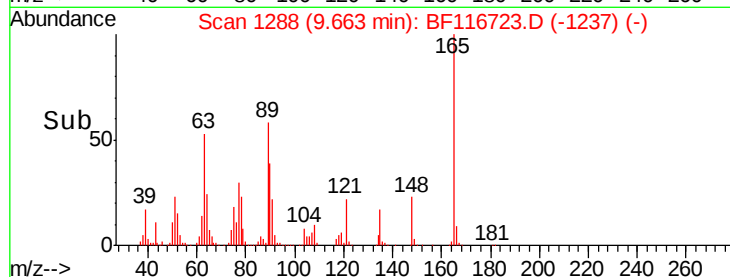
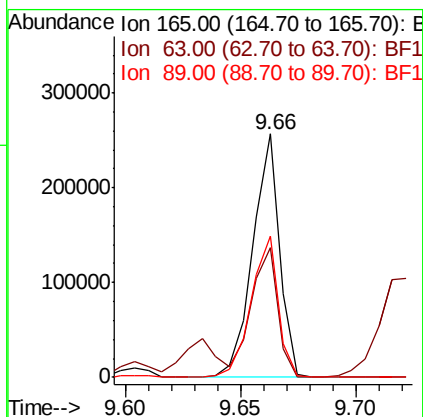
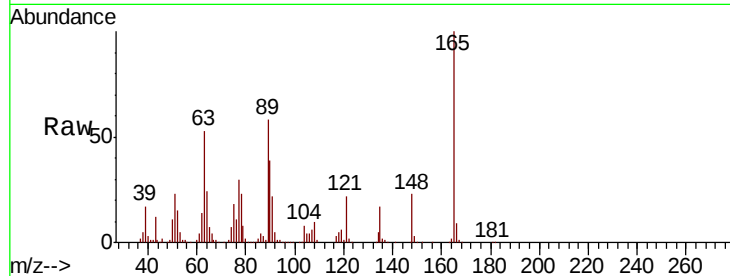
#51
2,6-Dinitrotoluene
Concen: 61.477 ng
RT: 9.66 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	208971		
63	53.5	47.3	70.9	
89	57.8	52.5	78.7	

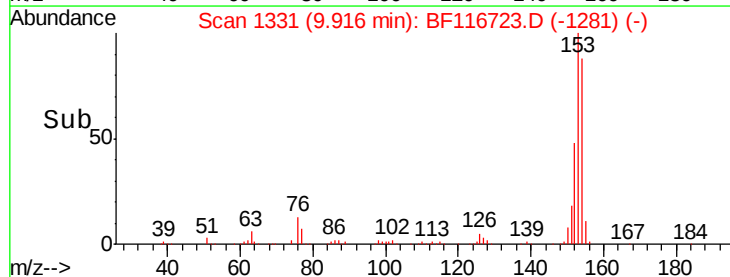
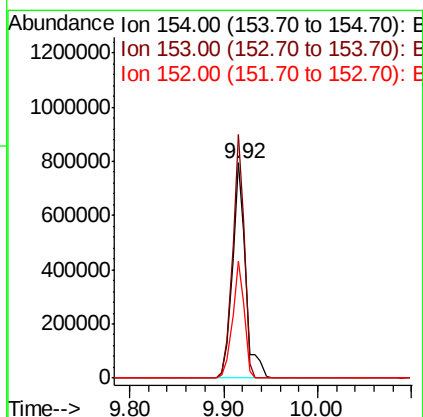
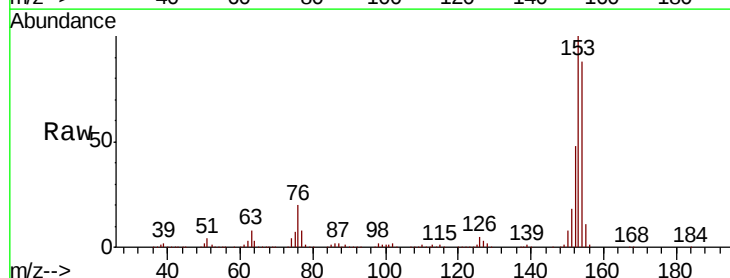
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#52
Acenaphthene
Concen: 53.421 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	769521		
153	113.1	89.5	134.3	
152	54.4	41.9	62.9	





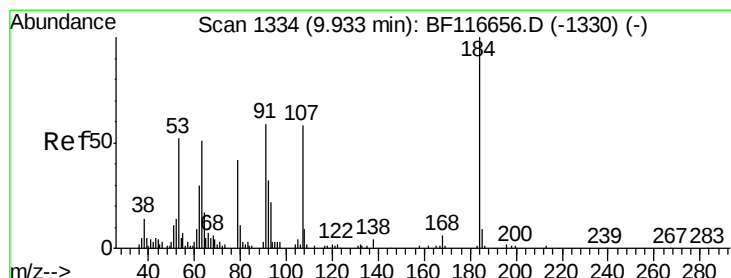
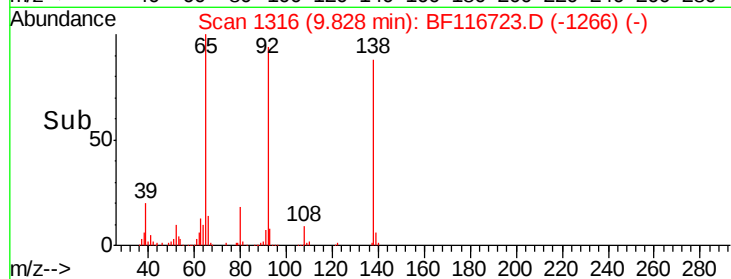
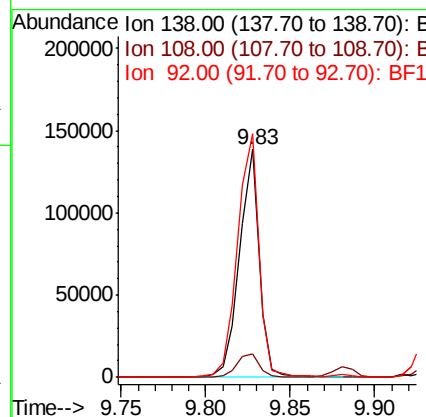
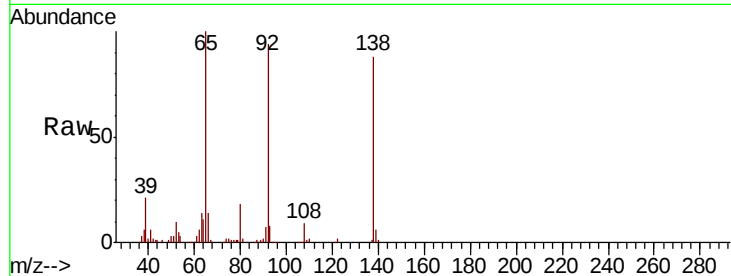
#53
3-Nitroaniline
Concen: 26.567 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.5	12.7
92	106.8	87.2	130.8

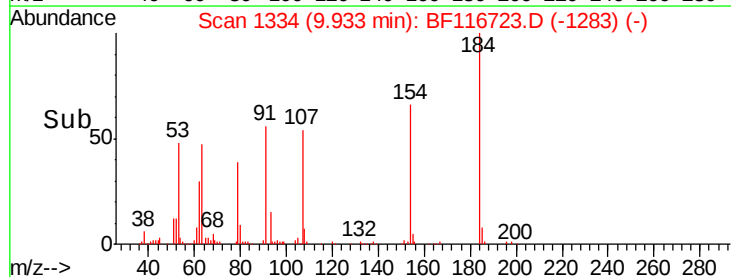
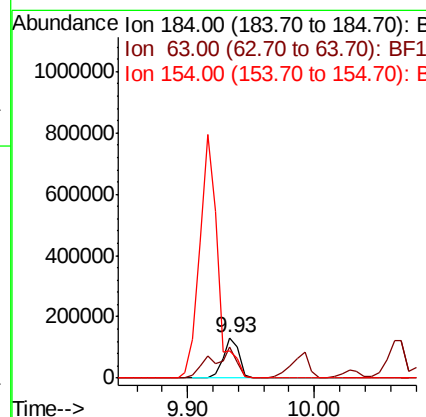
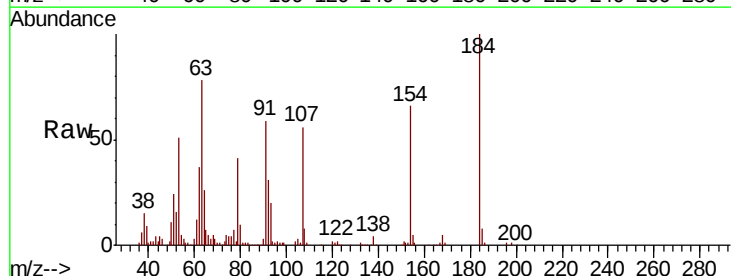
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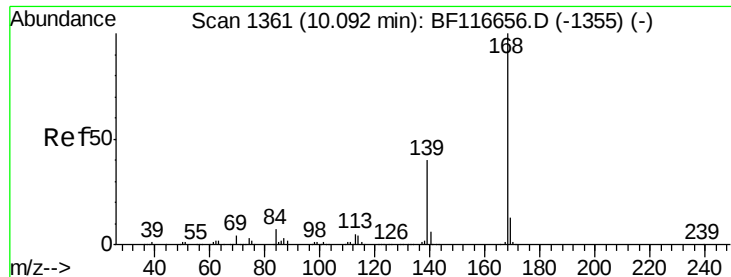
mohammad
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#54
2,4-Dinitrophenol
Concen: 96.091 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
184	100		
63	78.2	52.2	78.2
154	66.5	60.8	91.2





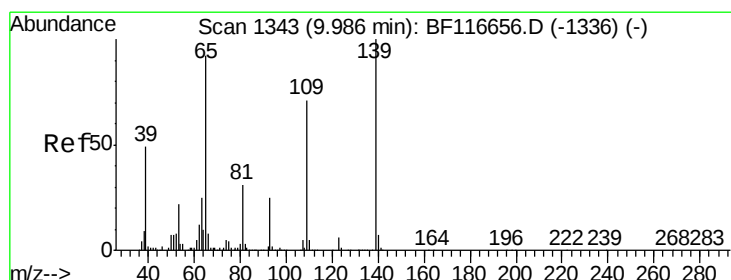
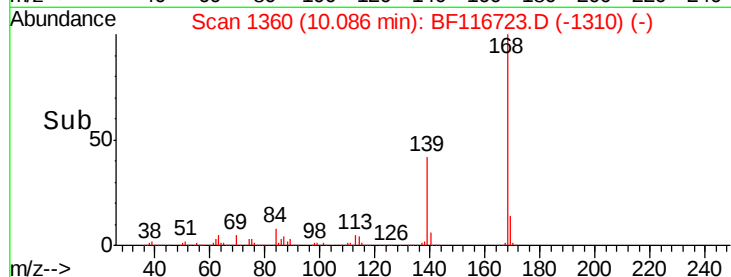
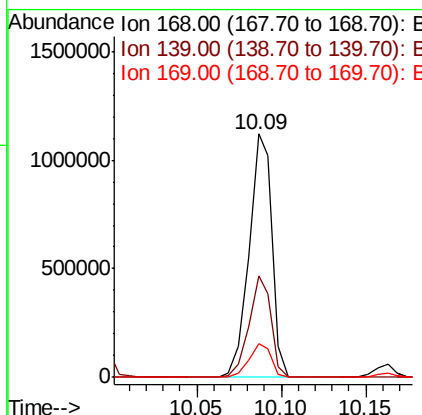
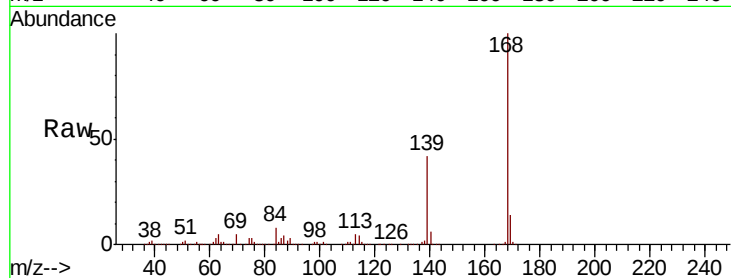
#55
Dibenzofuran
Concen: 52.349 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.6	31.5	47.3
169	13.7	10.3	15.5

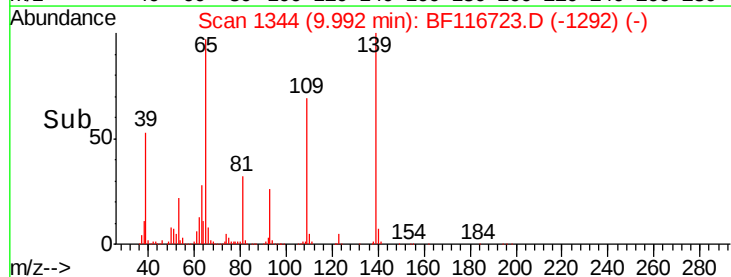
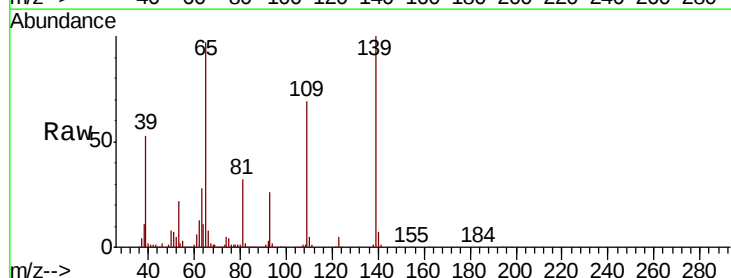
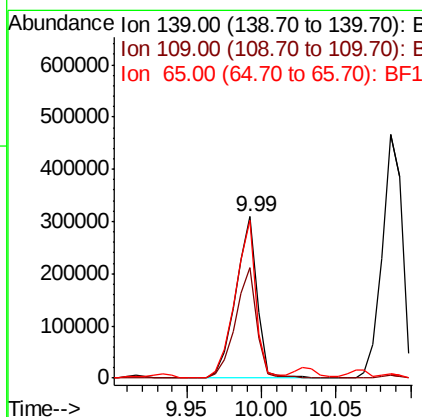
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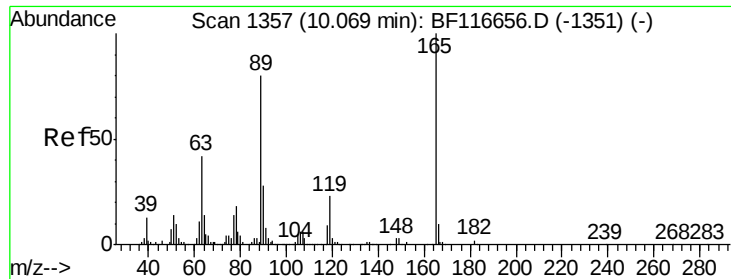
mohammad
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#56
4-Nitrophenol
Concen: 107.291 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.7	61.7	101.7
65	97.4	89.1	129.1





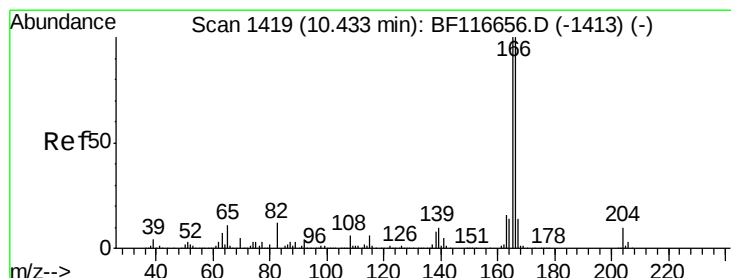
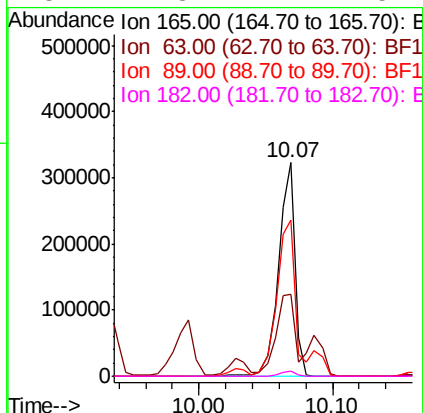
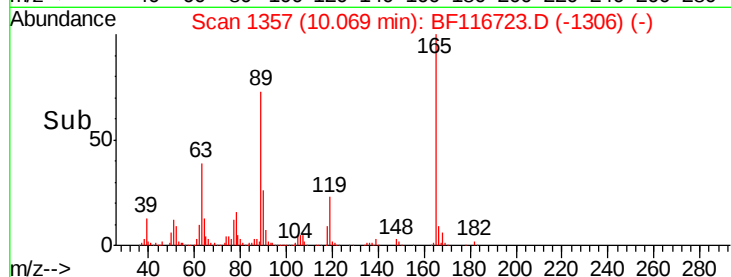
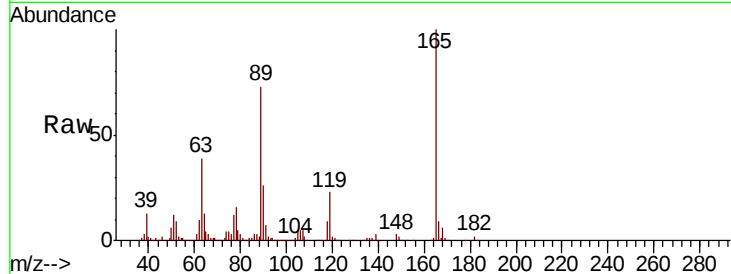
#57
2,4-Dinitrotoluene
Concen: 67.432 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	280269		
63	38.5	36.4	54.6	
89	72.8	62.6	94.0	
182	2.3	2.1	3.1	

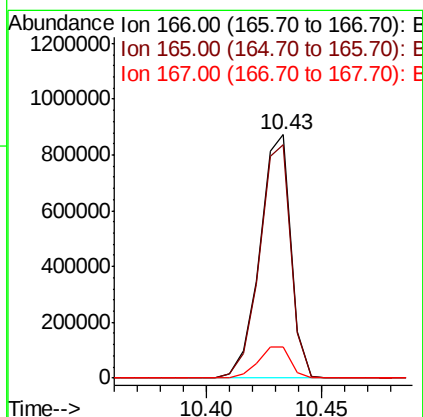
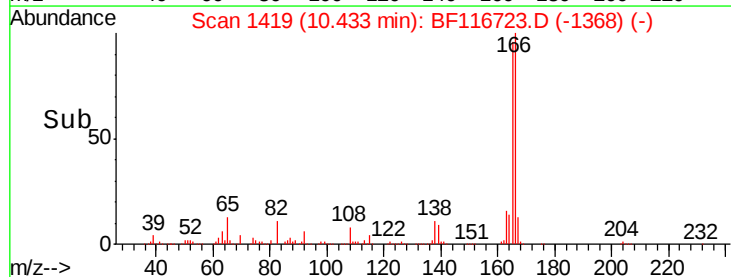
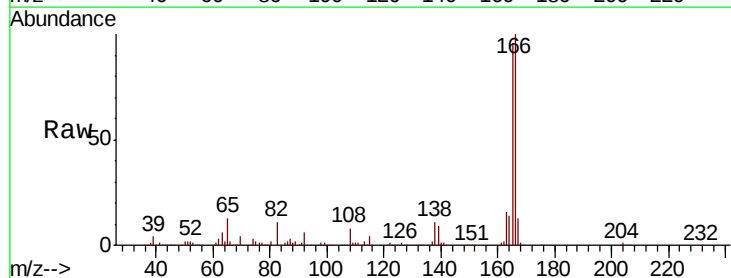
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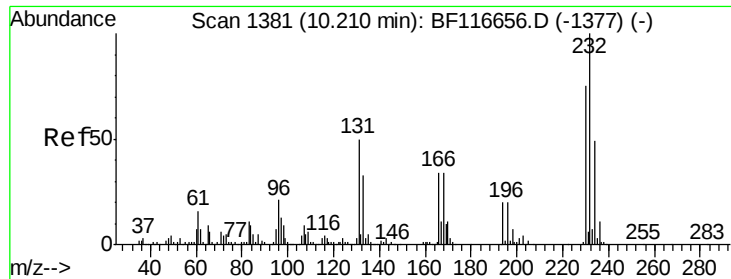
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#58
Fluorene
Concen: 52.923 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	818878		
165	96.0	78.8	118.2	
167	12.8	10.0	15.0	





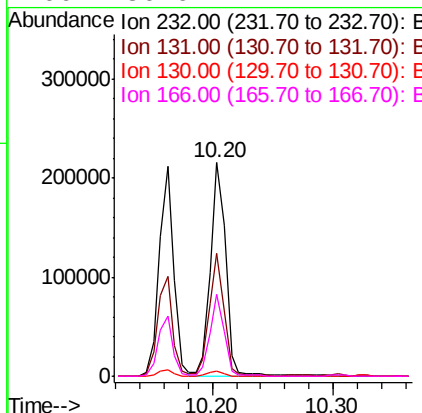
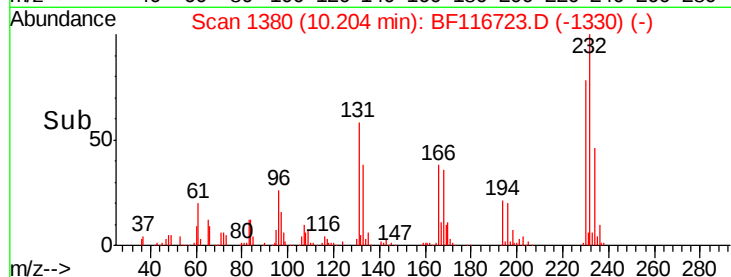
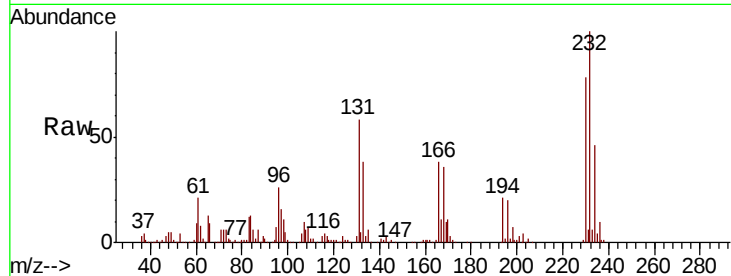
#59
2,3,4,6-Tetrachlorophenol
Concen: 59.266 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	188304		
131	55.2	42.7	64.1	
130	2.4	1.9	2.9	
166	36.6	27.4	41.2	

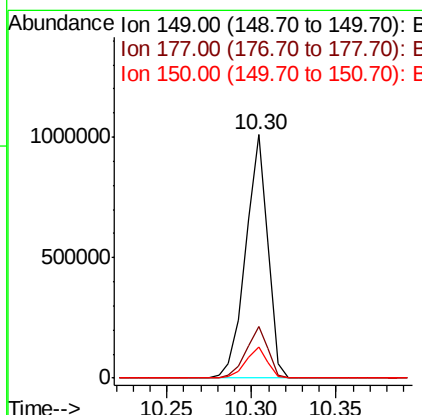
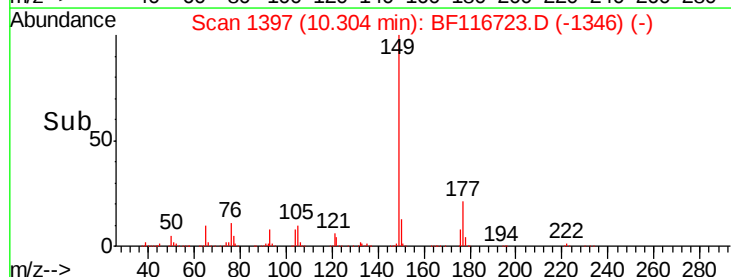
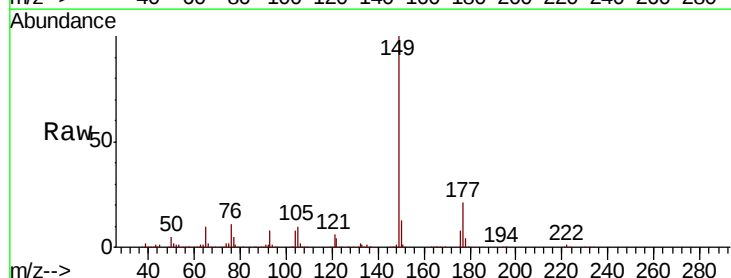
Manual Integrations
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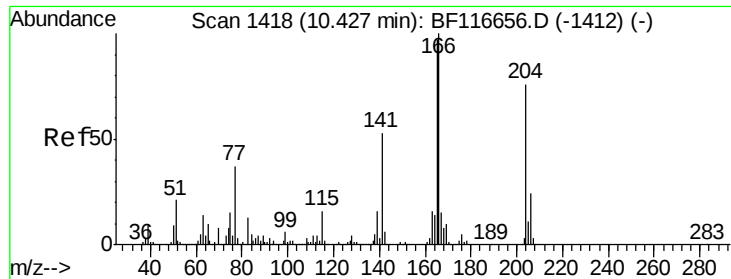
mohammad
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#60
Diethylphthalate
Concen: 51.799 ng
RT: 10.30 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	924418		
177	21.1	17.2	25.8	
150	12.9	9.7	14.5	





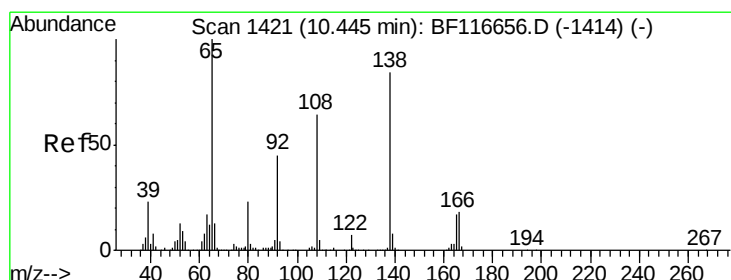
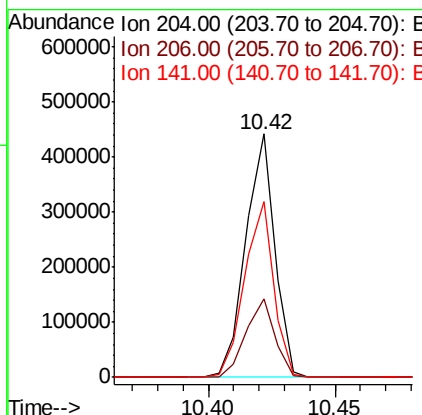
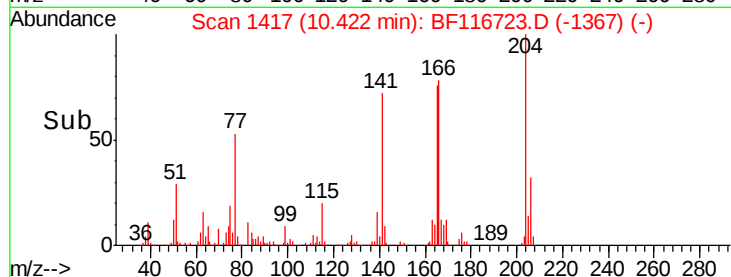
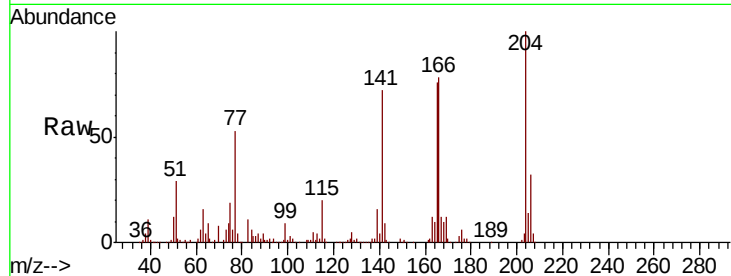
#61
4-Chlorophenyl-phenylether
Concen: 52.223 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.4	38.2
141	72.3	53.8	80.8

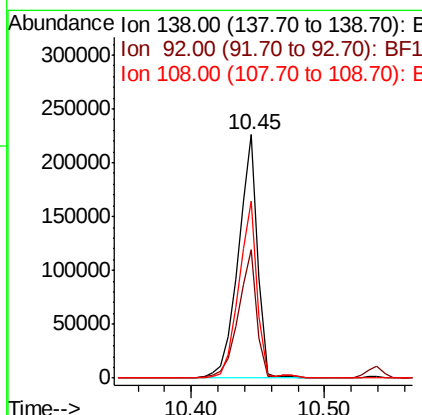
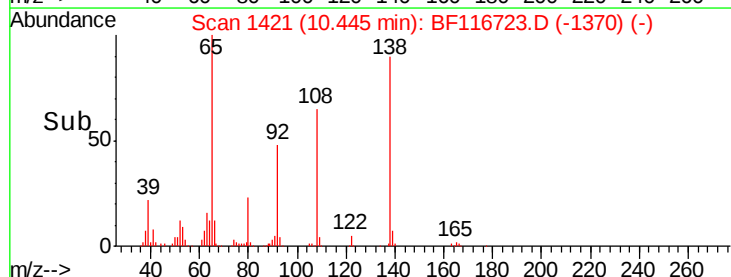
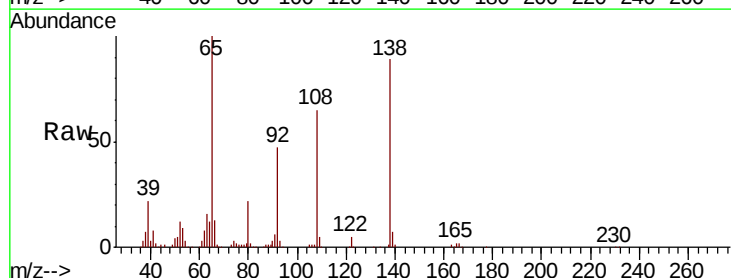
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#62
4-Nitroaniline
Concen: 54.897 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.9	28.7	68.7
108	72.5	60.4	100.4





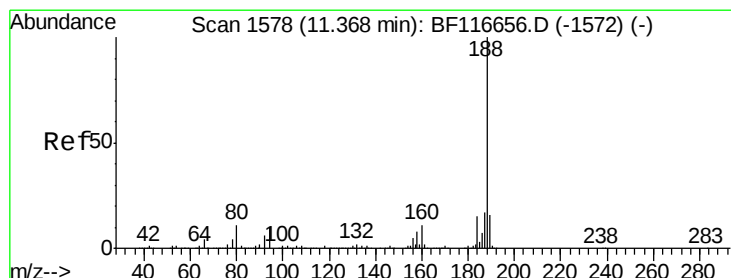
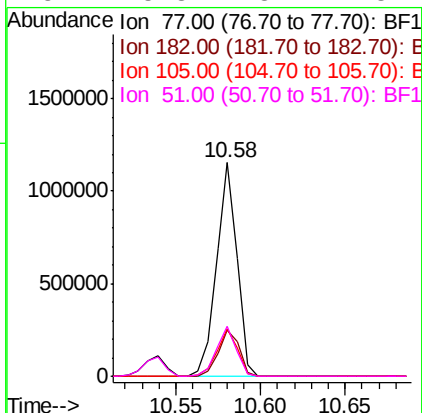
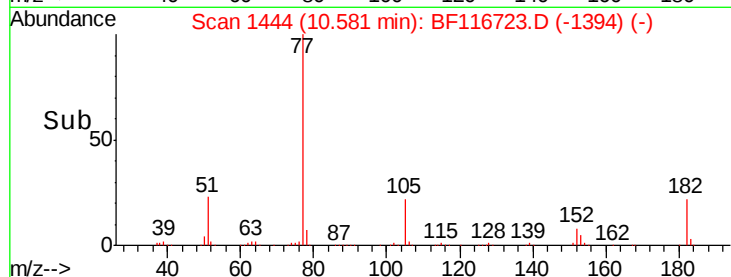
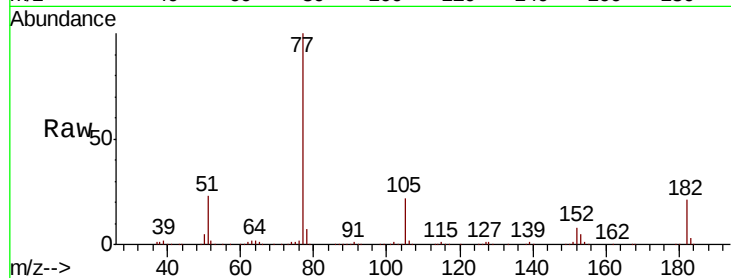
#63
Azobenzene
Concen: 52.438 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	21.5	1.2	41.2	
105	22.3	0.6	40.6	
51	23.3	8.2	48.2	

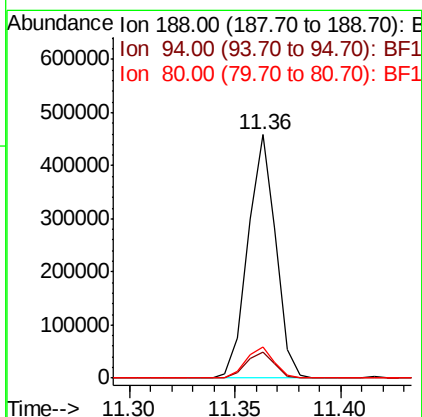
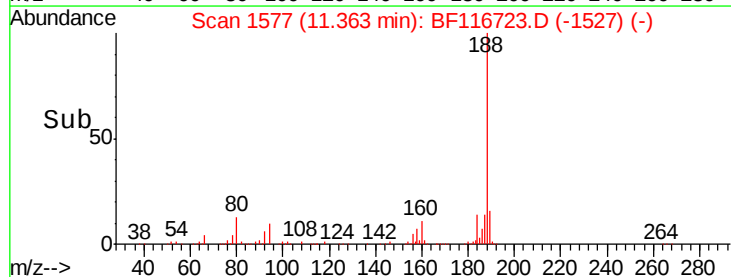
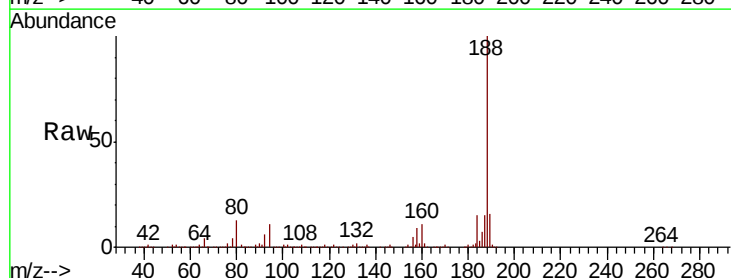
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.9	7.3	10.9	
80	12.9	8.4	12.6#	





#65

4,6-Dinitro-2-methylphenol

Concen: 57.586 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

Tot Ion:198 Resp: 91286

Ion Ratio Lower Upper

198 100

51 45.2 18.4 58.4

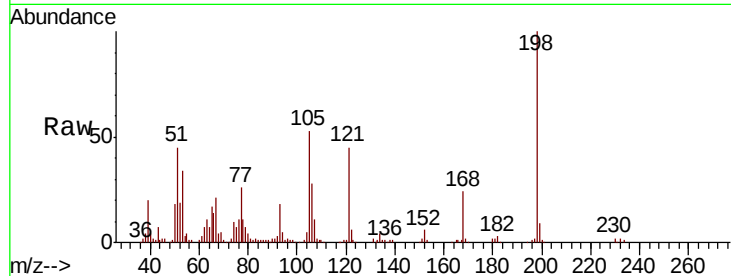
105 52.9 22.9 62.9

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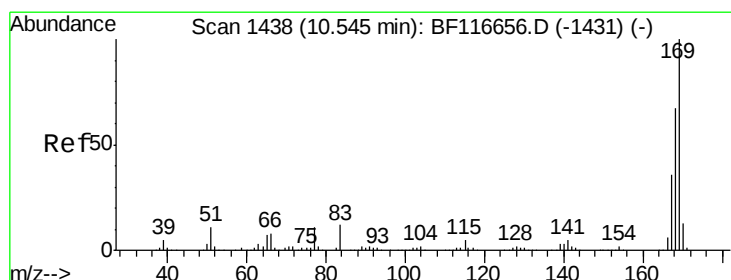
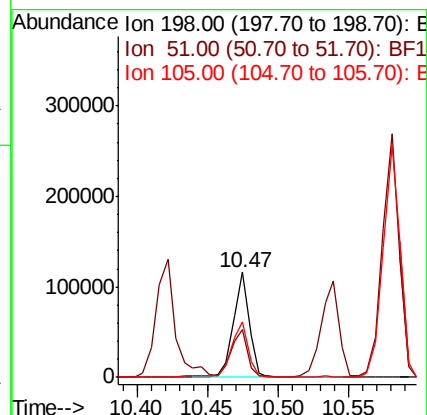
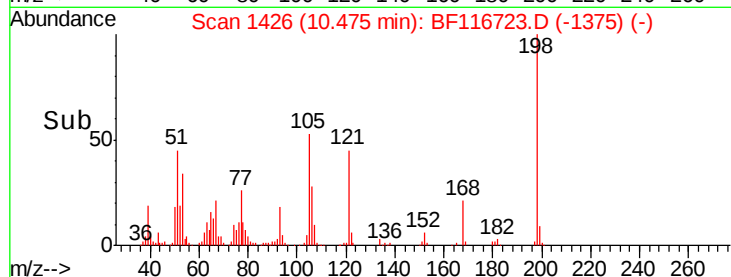
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 52.560 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

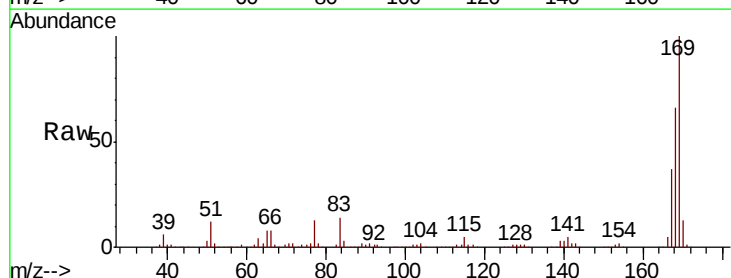
Tgt Ion:169 Resp: 759375

Ion Ratio Lower Upper

169 100

168 66.3 55.8 83.6

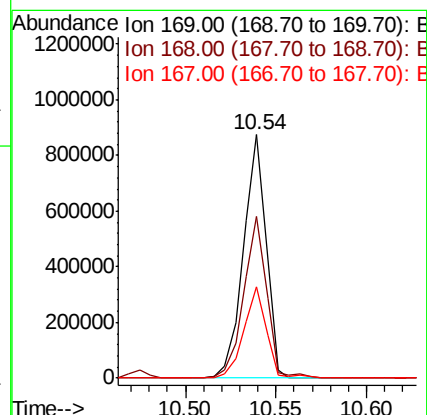
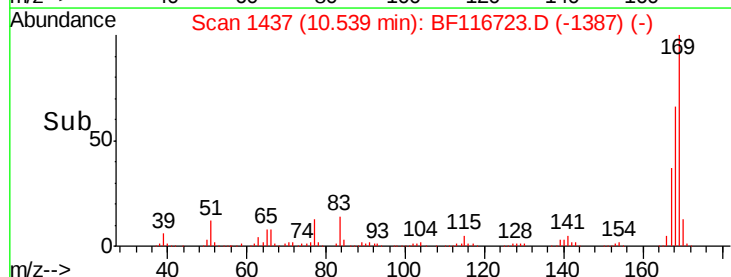
167 37.3 29.4 44.2



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





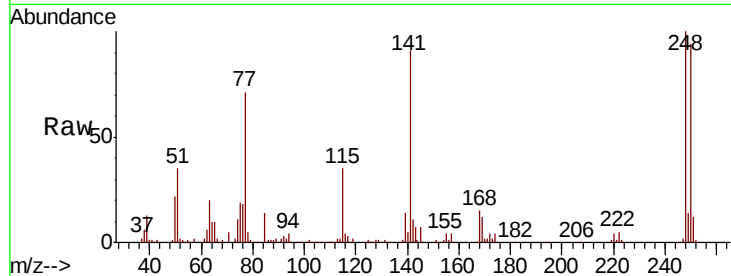
#67
4-Bromophenyl-phenylether
Concen: 51.662 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	94.3	77.8	116.8
141	91.2	75.9	113.9

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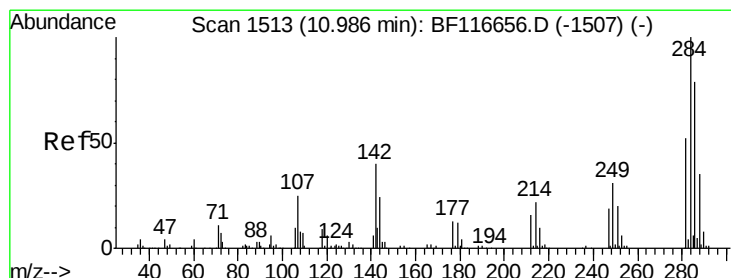
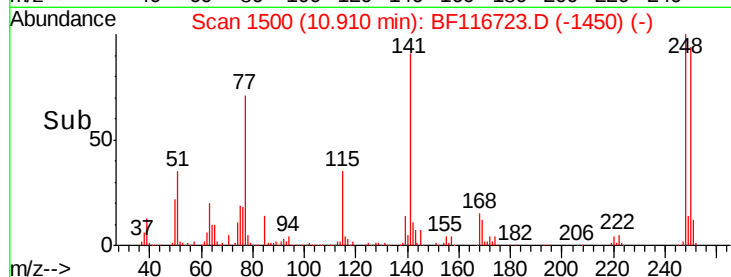
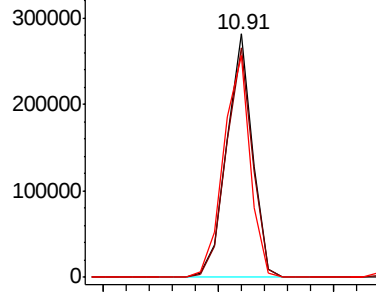


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 49.588 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

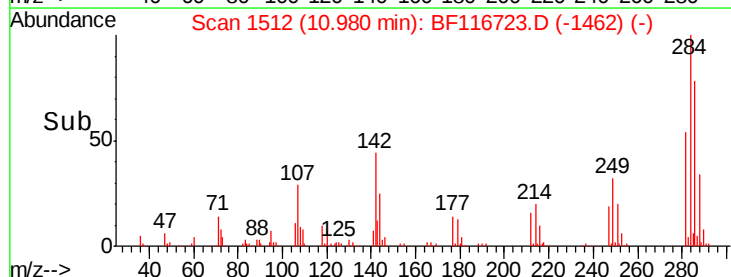
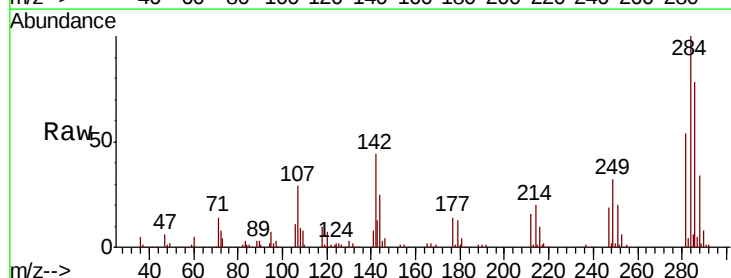
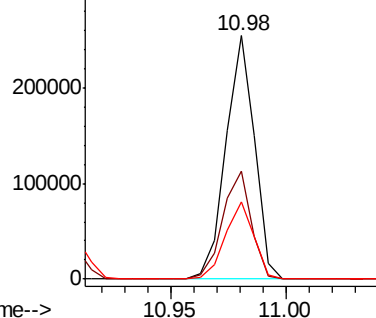
Tgt Ion	Ratio	Lower	Upper
284	100		
142	44.3	34.0	51.0
249	31.9	26.4	39.6

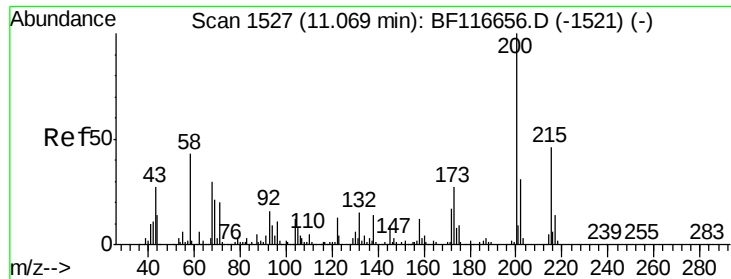
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





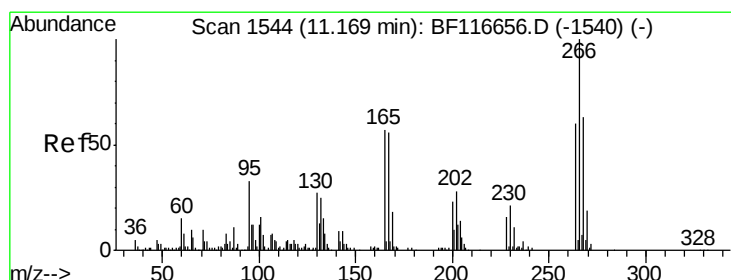
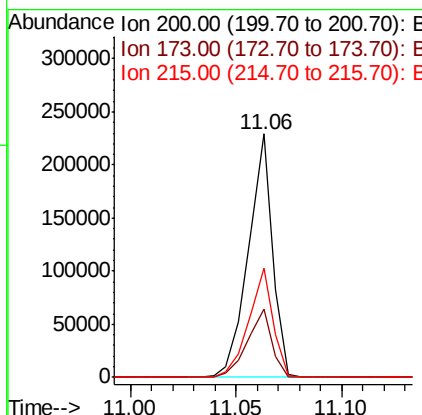
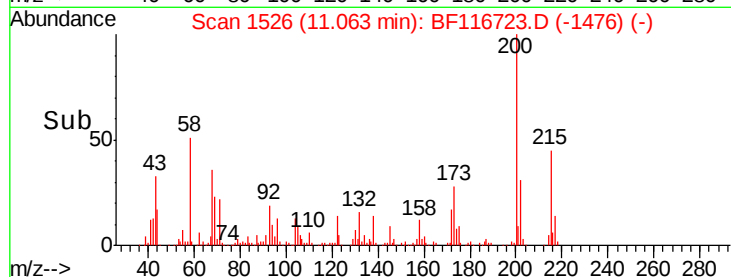
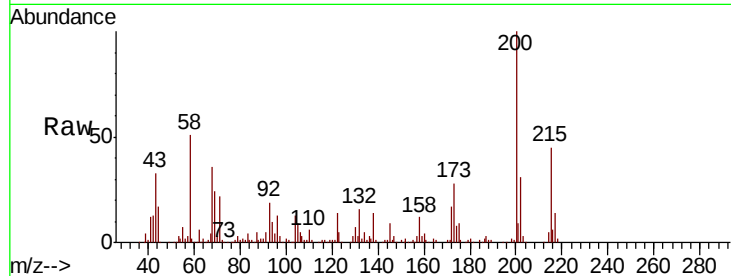
#69
Atrazine
Concen: 45.183 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	182829		
173	27.8	6.2	46.2	
215	44.7	24.3	64.3	

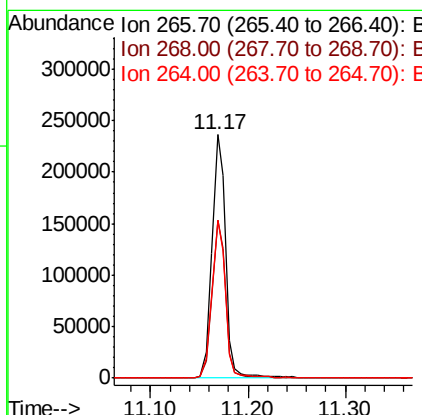
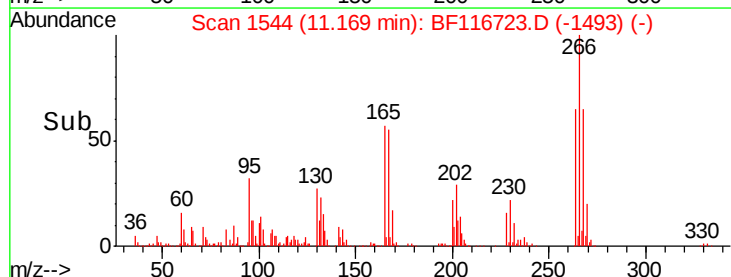
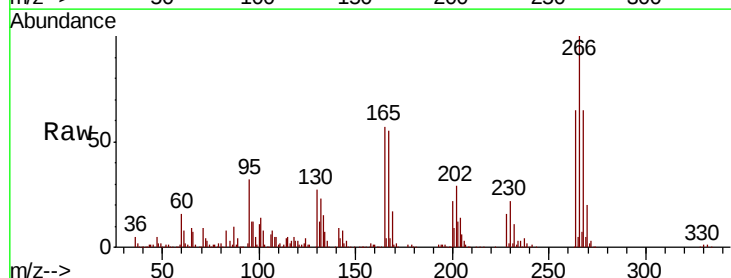
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#70
Pentachlorophenol
Concen: 107.641 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	231142		
268	64.9	51.2	76.8	
264	64.8	51.9	77.9	





#71

Phenanthrene

Concen: 51.182 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

Tot Ion:178 Resp: 1189918

Ion Ratio Lower Upper

178 100

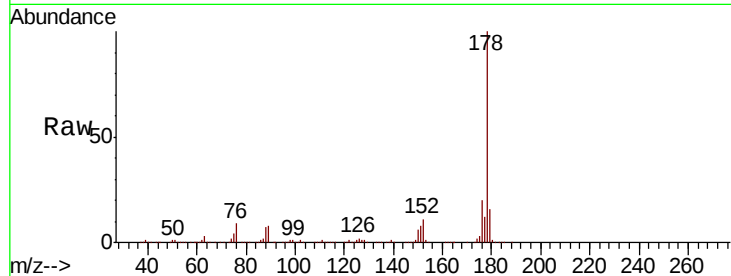
176 19.7 15.4 23.0

179 15.8 12.2 18.2

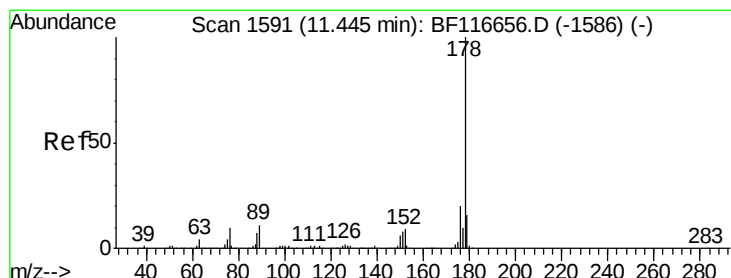
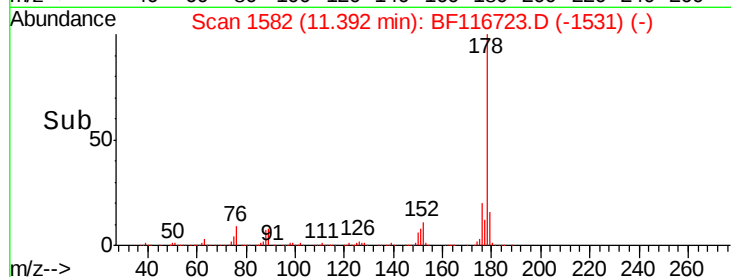
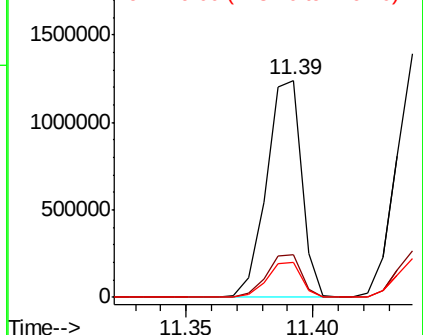
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 52.704 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

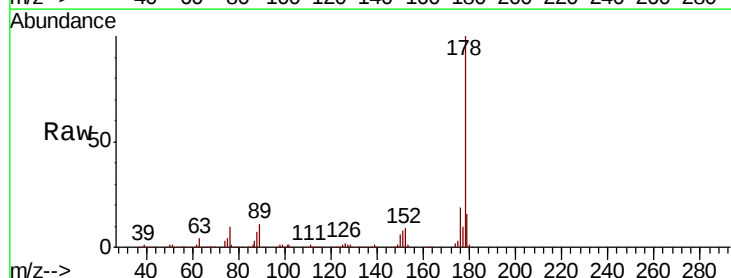
Tgt Ion:178 Resp: 1233436

Ion Ratio Lower Upper

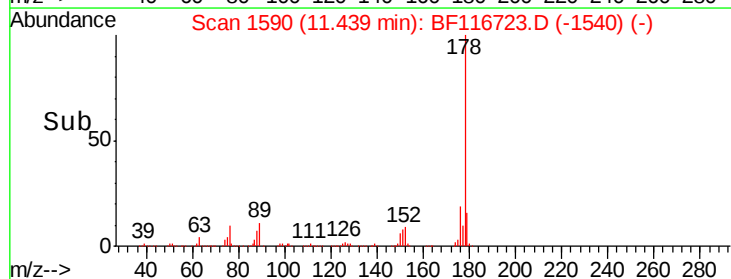
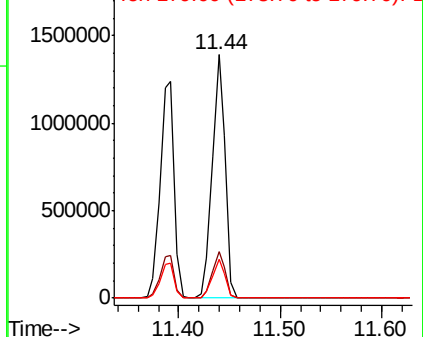
178 100

176 19.1 15.4 23.0

179 15.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





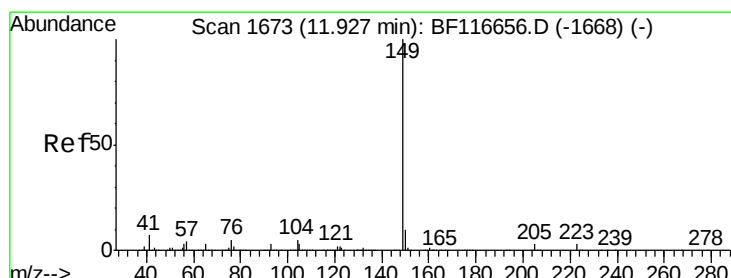
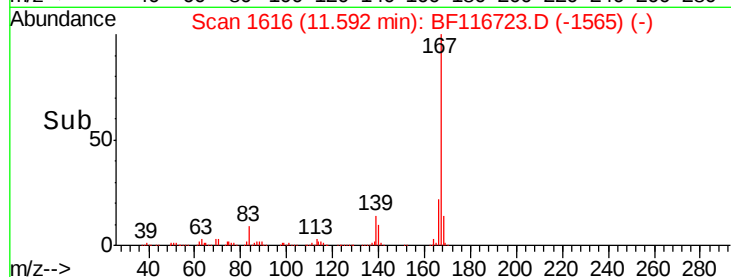
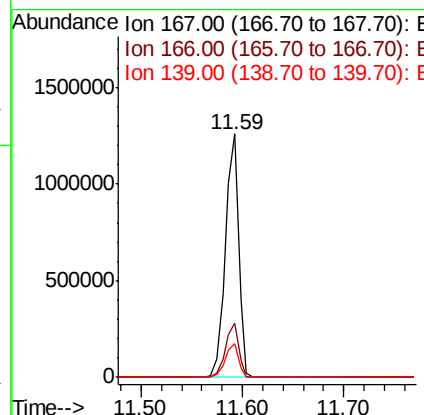
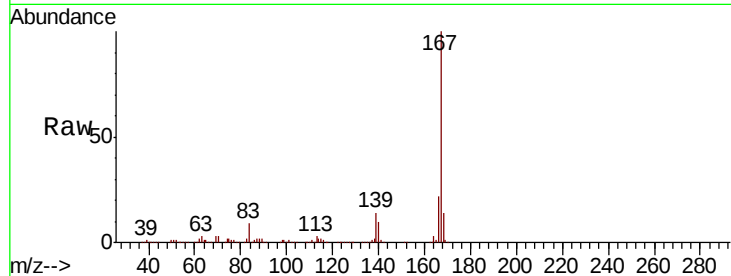
#73
 Carbazole
 Concen: 51.360 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.8	26.6
139	14.0	11.1	16.7

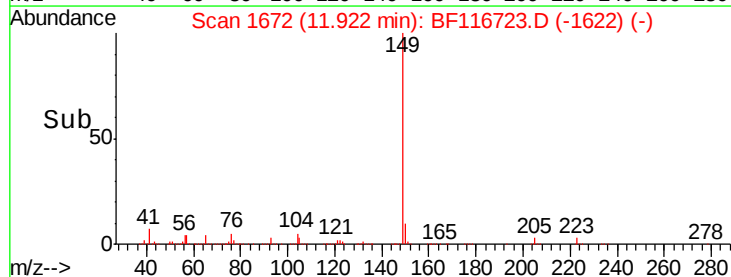
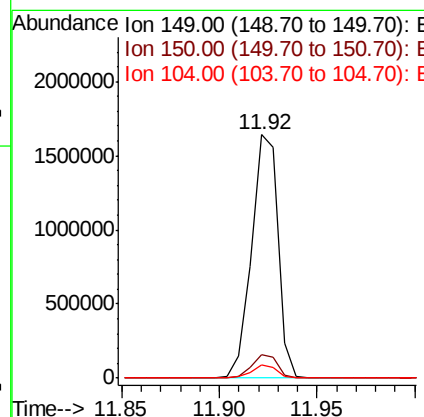
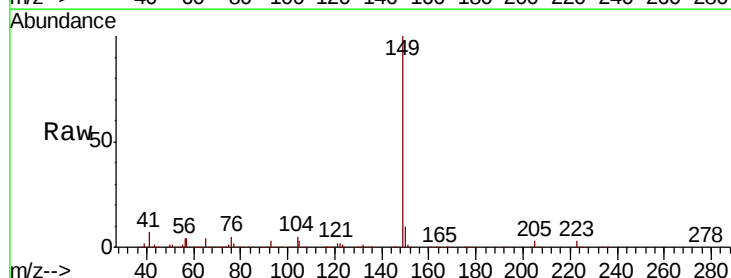
Manual Integrations
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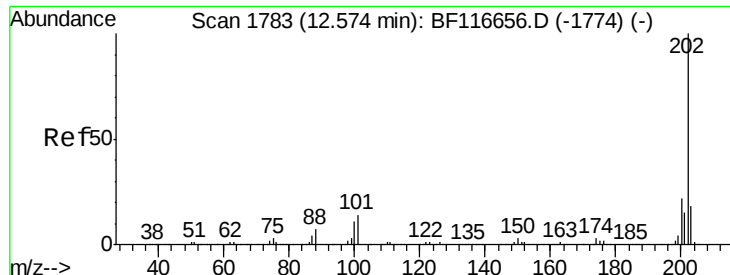
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#74
 Di-n-butylphthalate
 Concen: 53.956 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.2	10.8
104	5.4	4.2	6.2





#75

Fluoranthene

Concen: 49.276 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

Tot Ion:202 Resp: 1125856

Ion Ratio Lower Upper

202 100

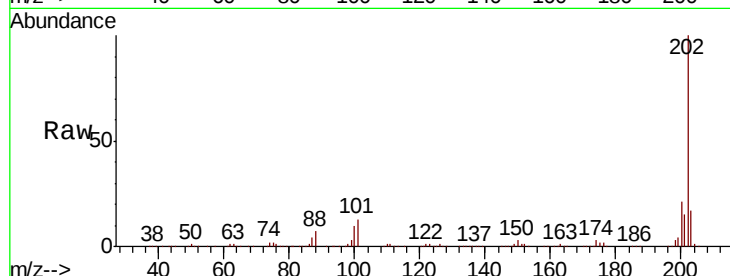
101 13.0 0.0 31.3

203 17.2 0.0 37.6

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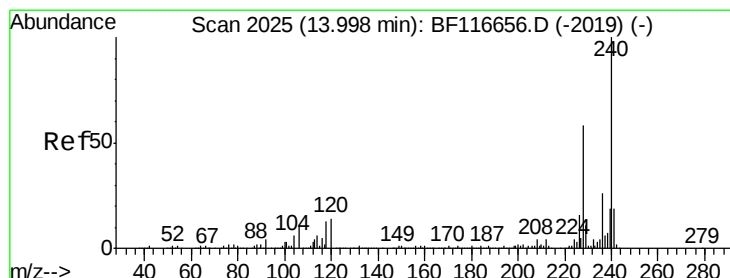
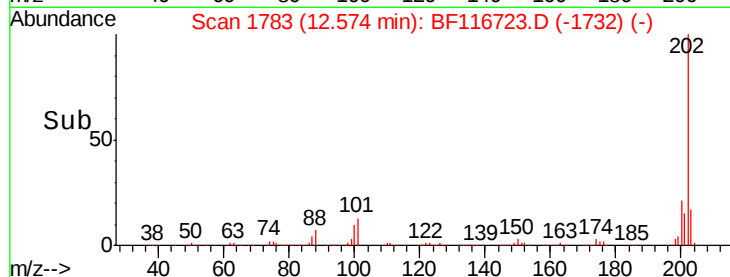
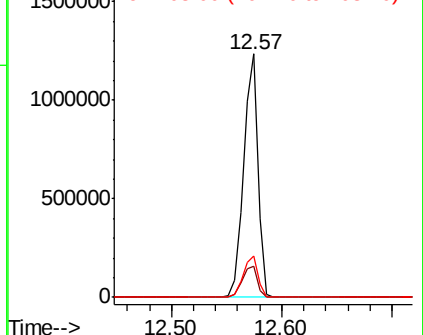
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

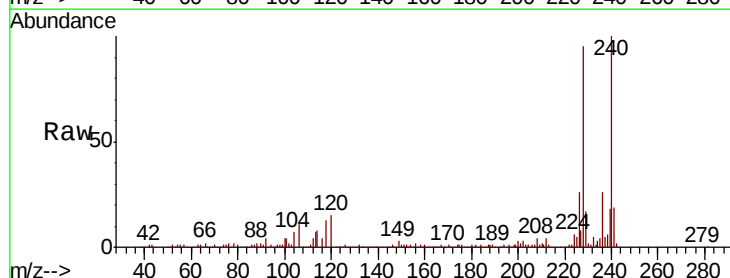
Tgt Ion:240 Resp: 249303

Ion Ratio Lower Upper

240 100

120 14.6 9.1 13.7#

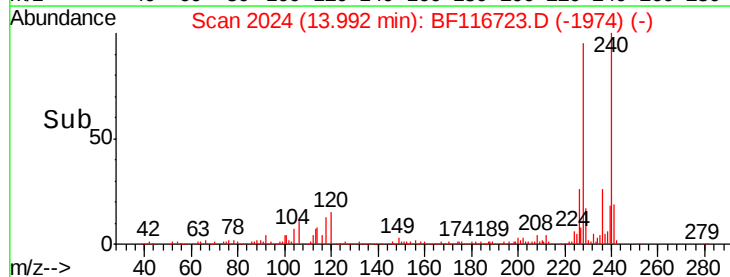
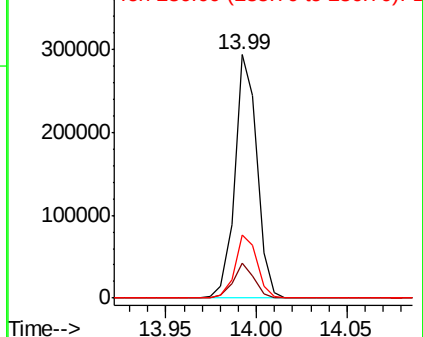
236 26.1 21.1 31.7

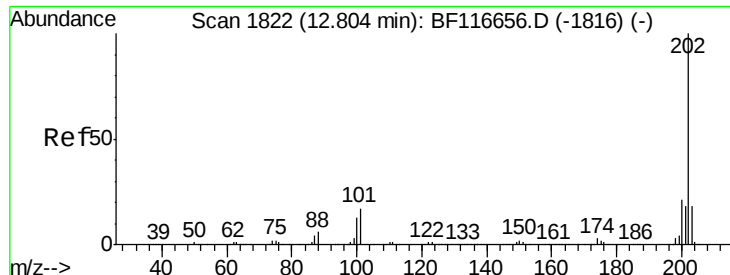


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





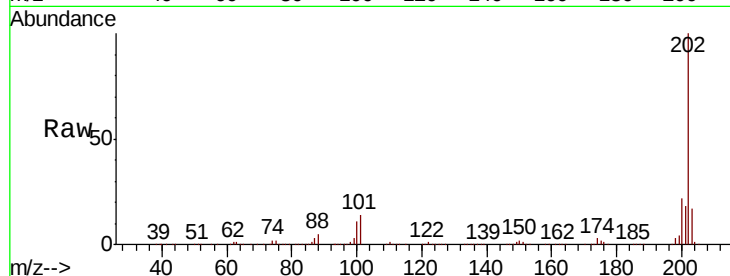
#78
Pvrene
Concen: 50.839 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.5	24.7
203	17.1	13.7	20.5

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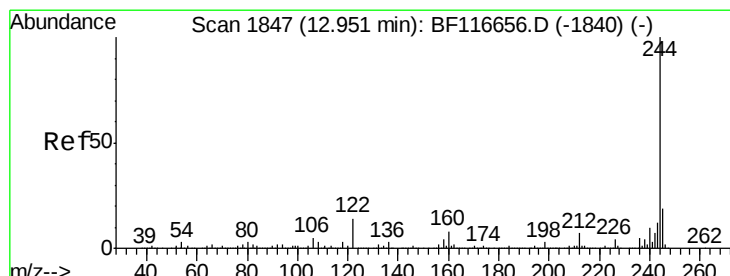
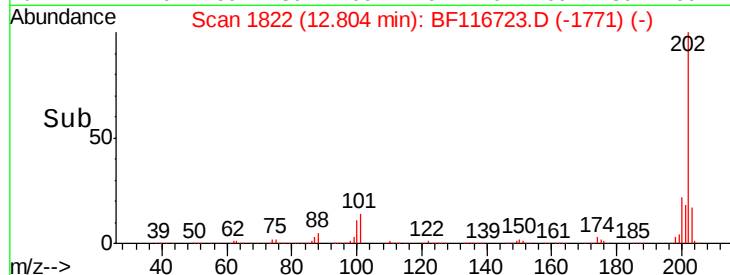
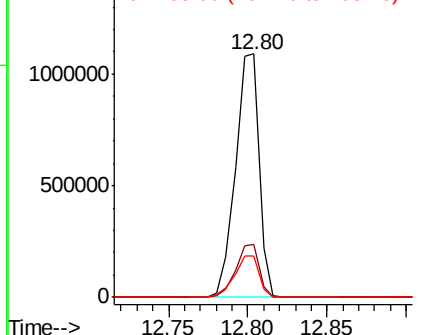


Abundance

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: 101.763 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

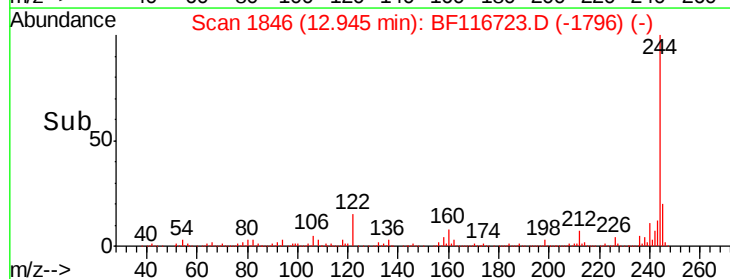
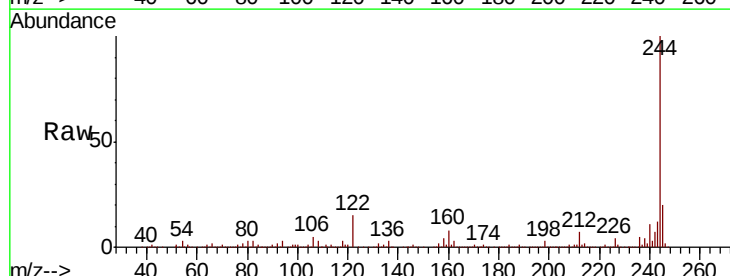
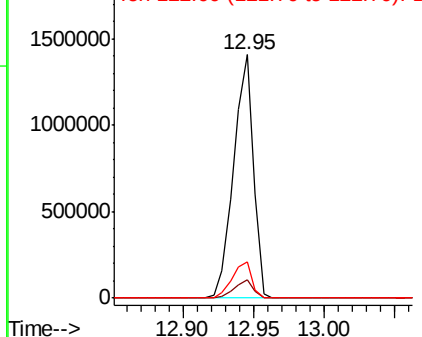
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	14.7	10.2	15.4

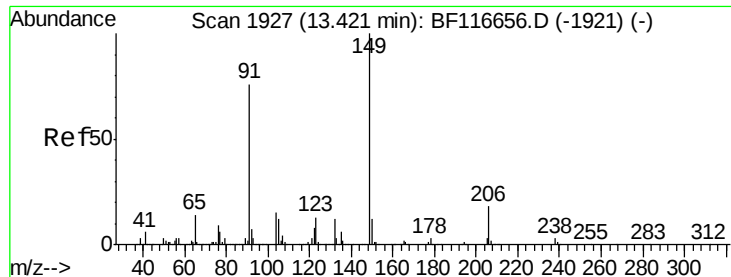
Abundance

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





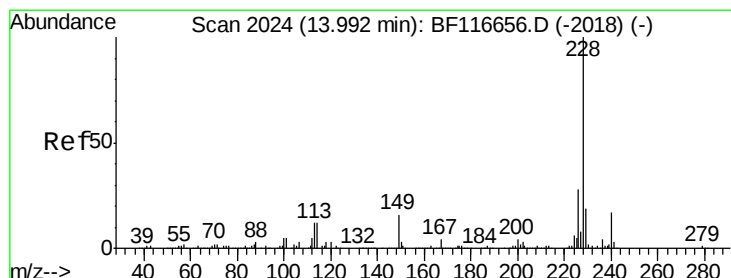
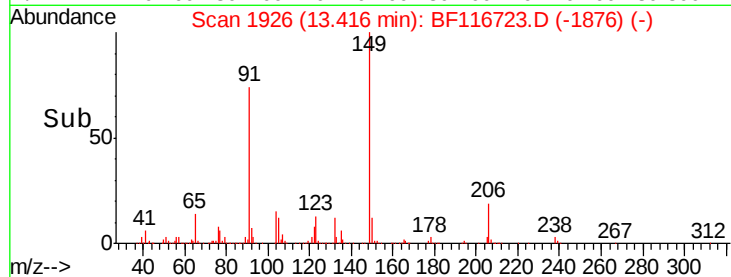
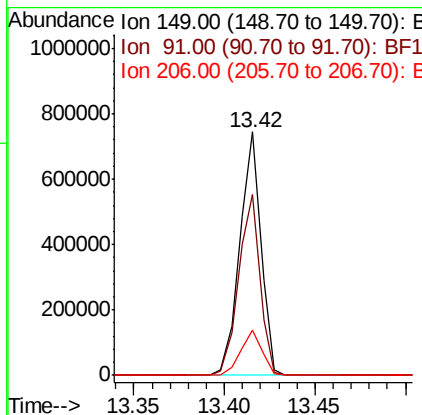
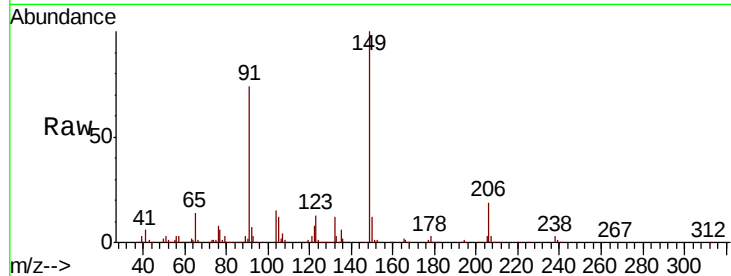
#80
Butylbenzylphthalate
Concen: 56.052 ng
RT: 13.42 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	74.4	61.0	91.4
206	18.5	14.8	22.2

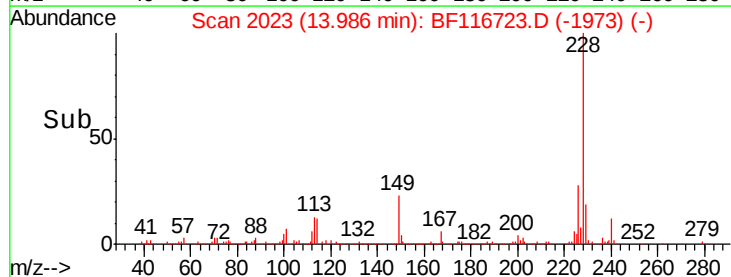
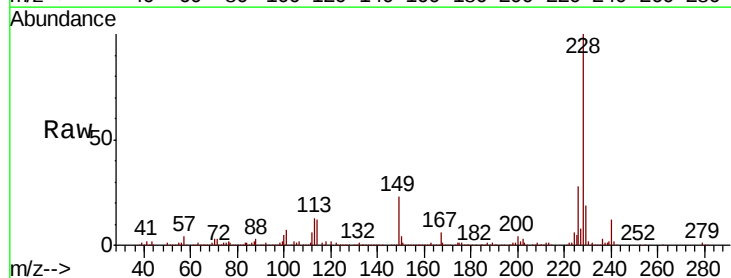
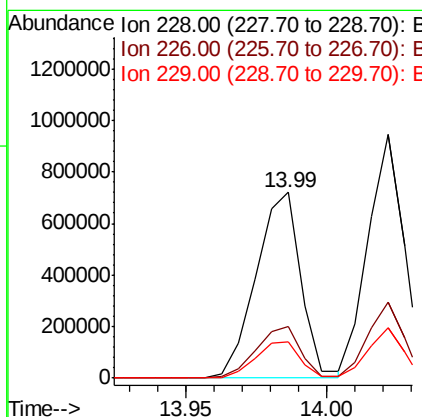
Manual Integrations
APPROVED

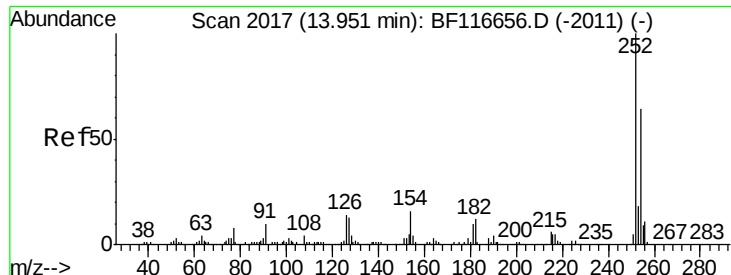
mohammad
9/5/2019 9:23:53 AM



#81
Benzo(a)anthracene
Concen: 50.279 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	19.3	16.4	24.6





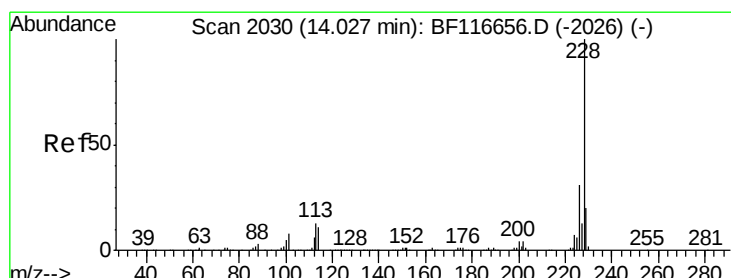
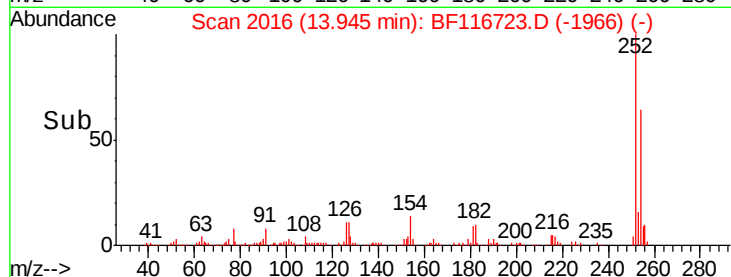
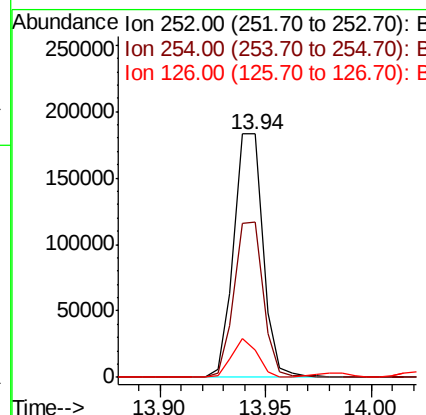
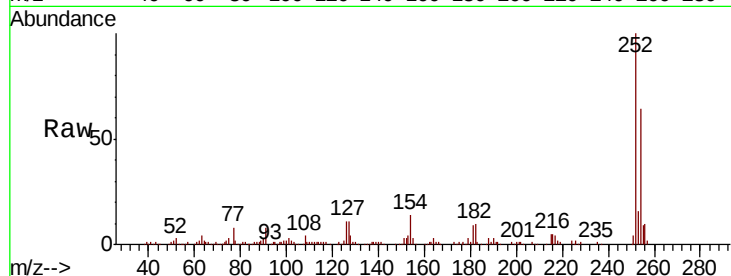
#82
 3,3'-Dichlorobenzidine
 Concen: 32.826 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.0	50.1	75.1
126	11.0	10.6	16.0

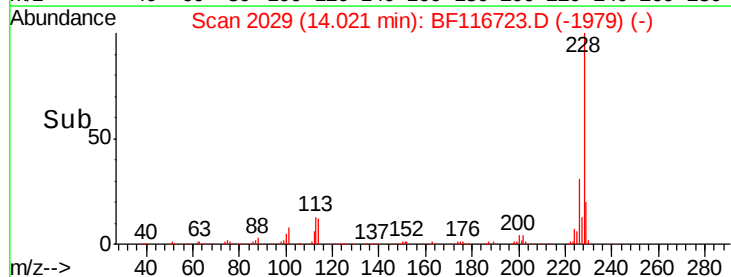
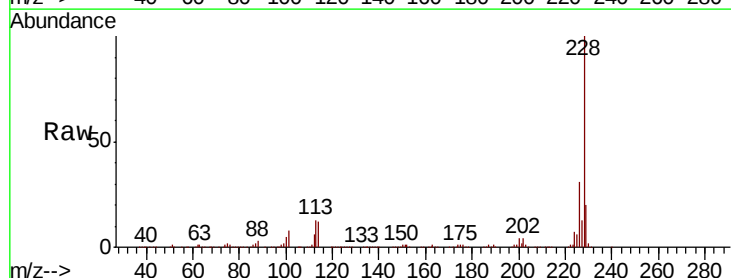
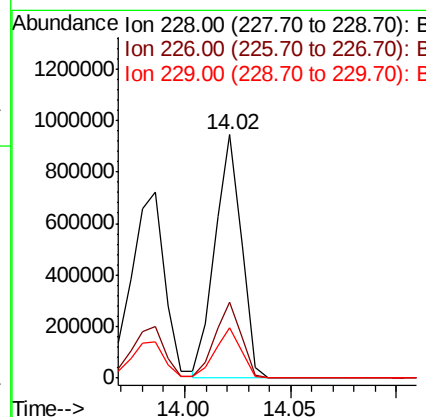
Manual Integrations
 APPROVED

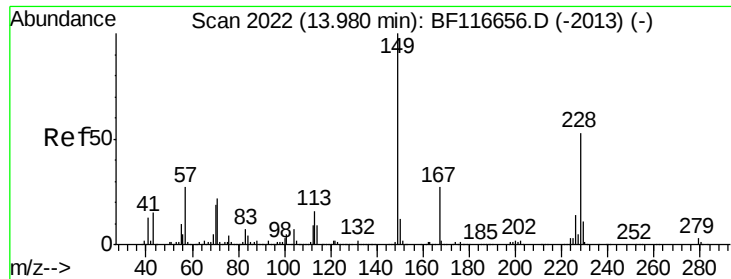
mohammad
 9/5/2019 9:23:53 AM



#83
 Chrysene
 Concen: 50.791 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.1	24.0	36.0
229	20.5	15.4	23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 62.014 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

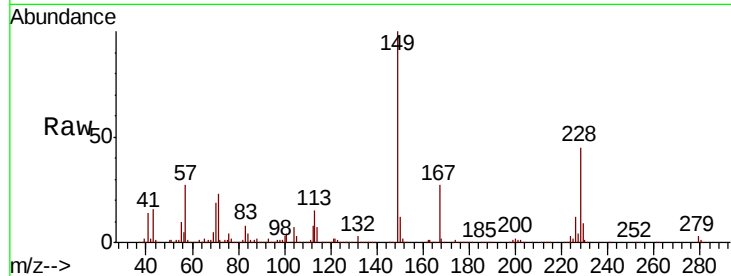
ClientSampleId :

OK-02-082919MSD

Tot Ion:	149	Resp:	824992
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.0	31.4
279	3.0	2.8	4.2

Manual Integrations
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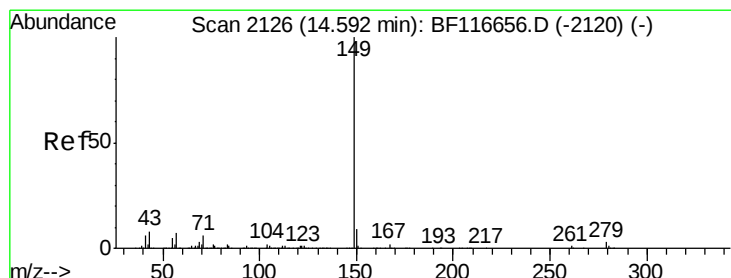
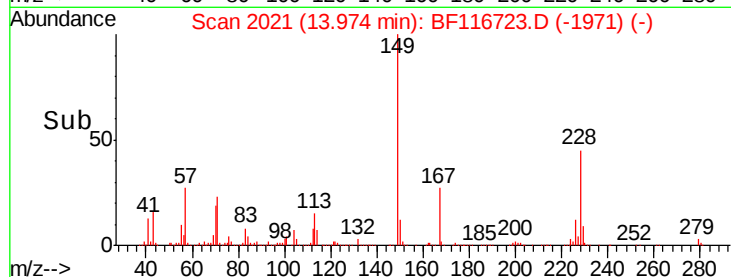
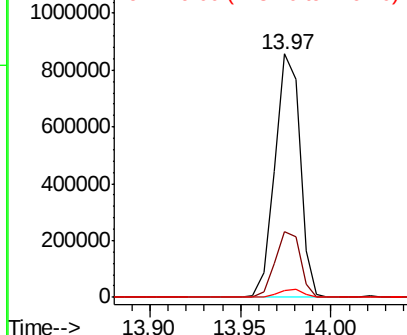


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 64.374 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

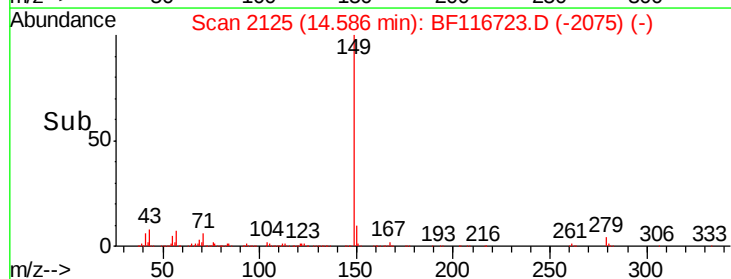
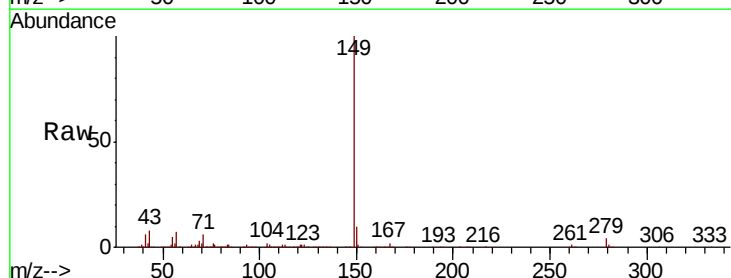
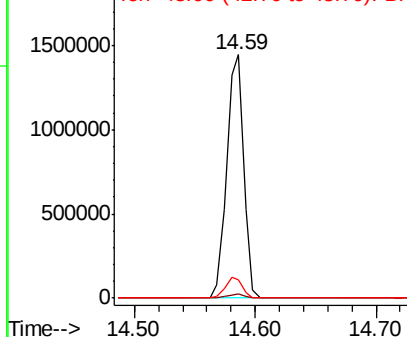
Tgt Ion:	149	Resp:	1401466
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.3	1.9
43	8.3	7.8	11.8

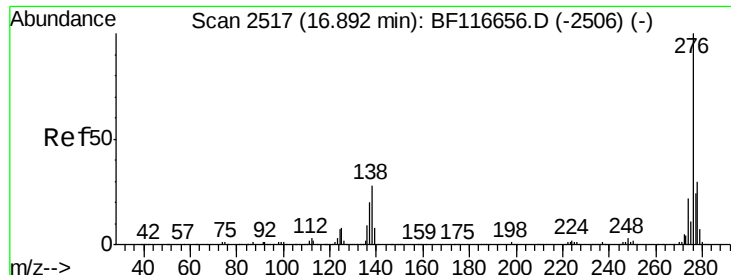
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





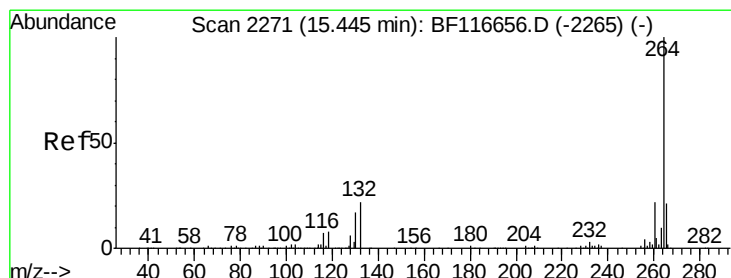
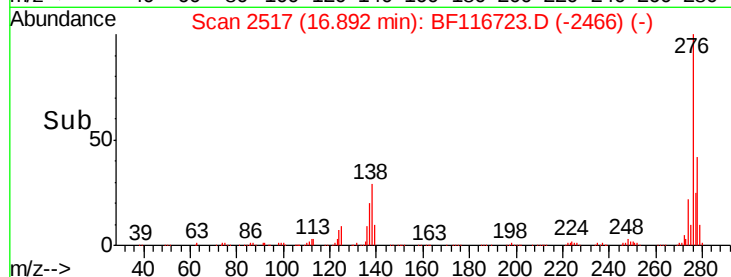
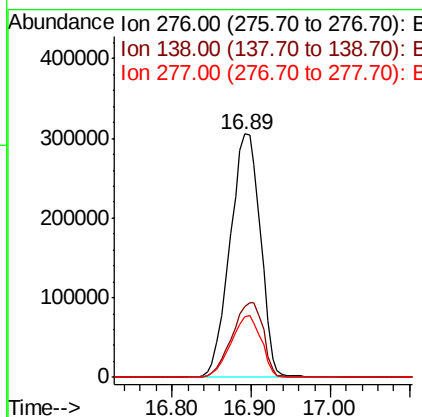
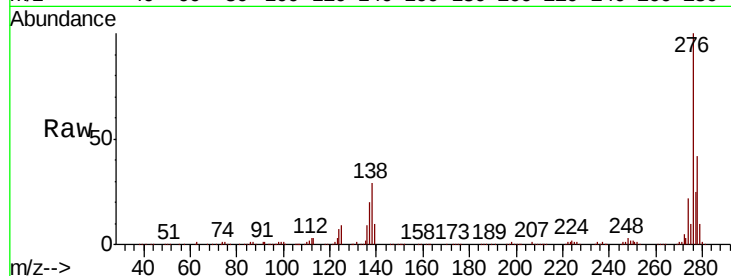
#86
Indeno(1,2,3-cd)pyrene
Concen: 62.121 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	19.4	29.2
277	25.3	20.5	30.7

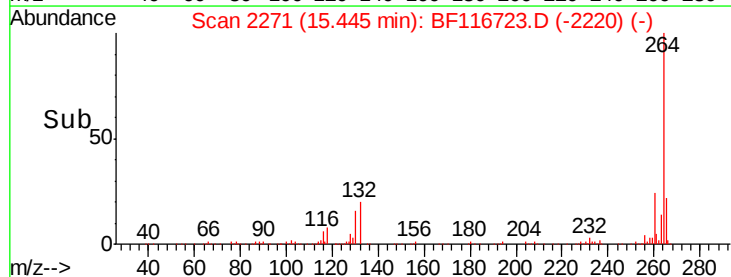
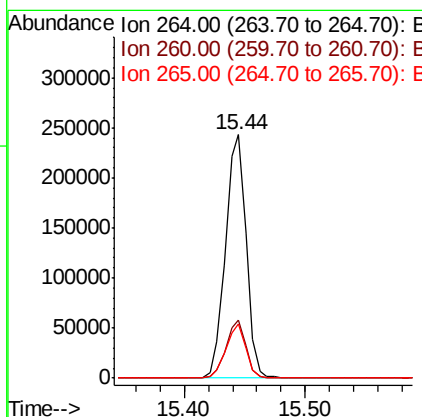
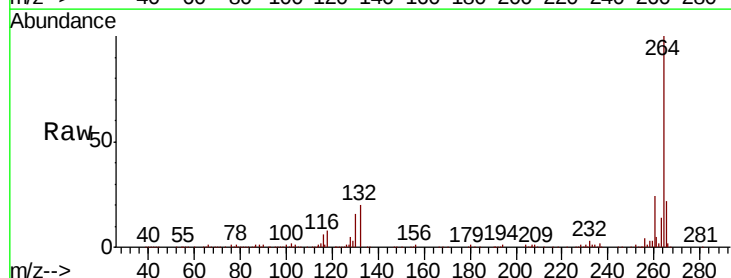
Manual Integrations
APPROVED

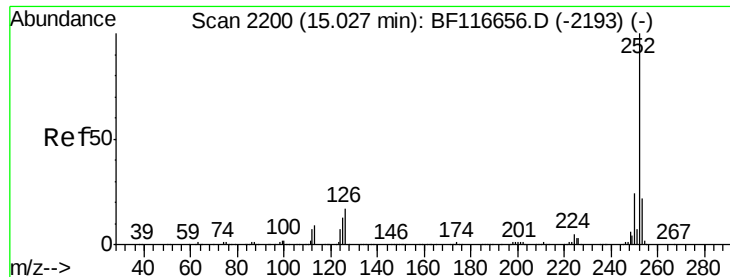
mohammad
9/5/2019 9:23:53 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	22.2	16.5	24.7





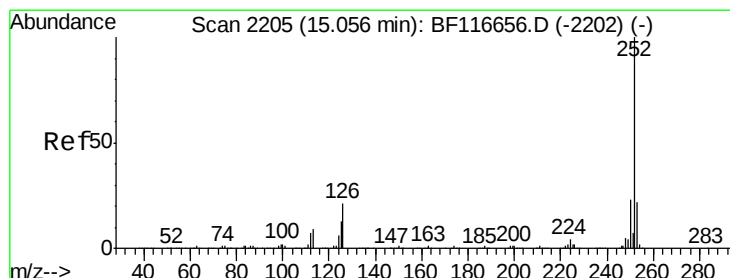
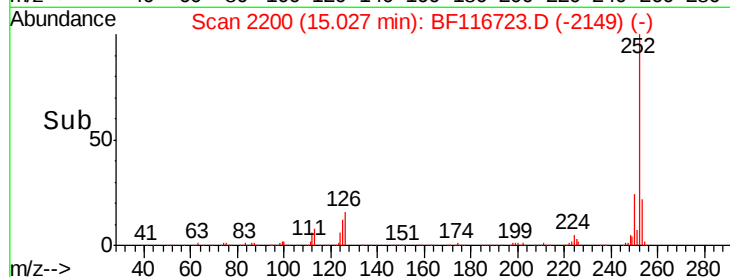
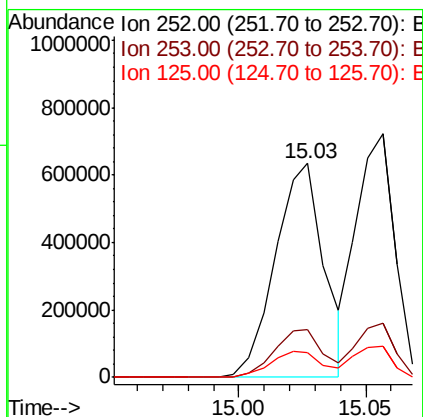
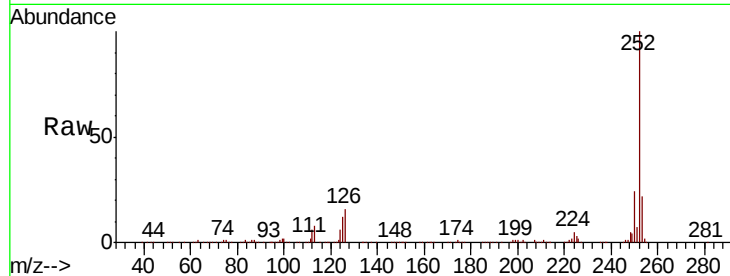
#88
Benzo(b)fluoranthene
Concen: 48.924 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.6	8.2	12.2

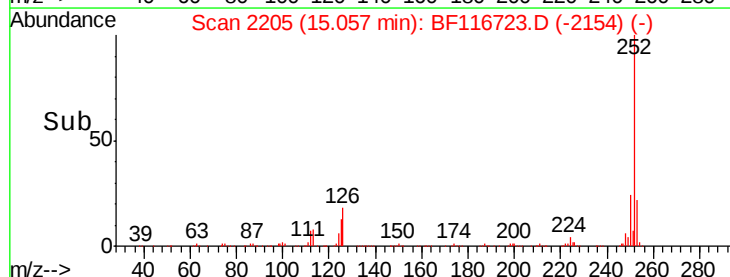
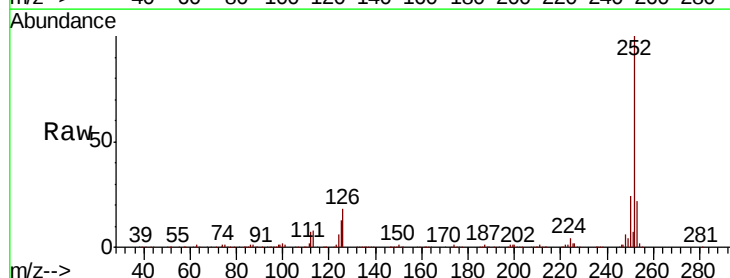
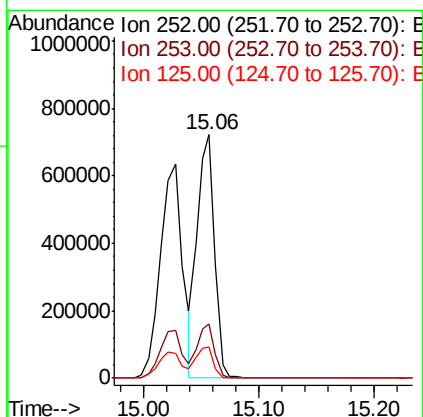
Manual Integrations
APPROVED

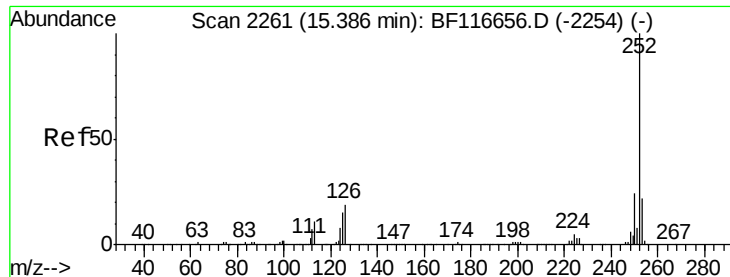
mohammad
9/5/2019 9:23:53 AM



#89
Benzo(k)fluoranthene
Concen: 48.188 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	12.7	8.6	13.0





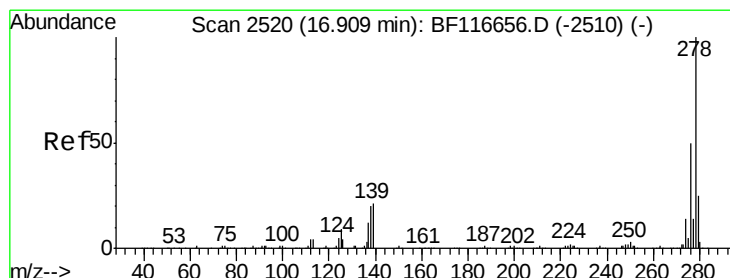
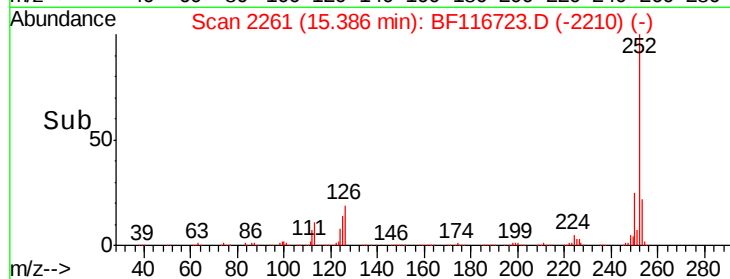
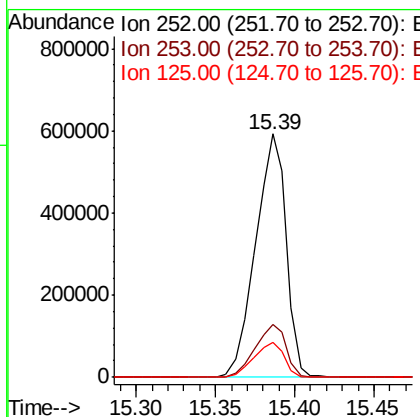
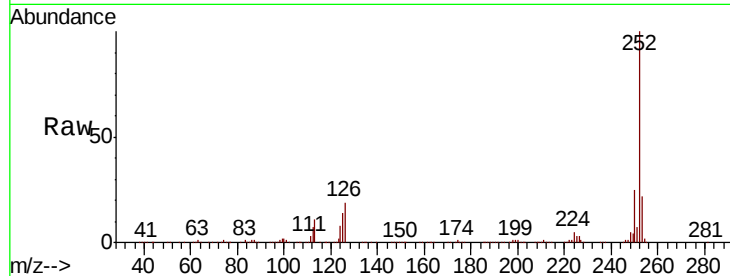
#90
Benzo(a)pyrene
Concen: 52.657 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	14.4	9.8	14.8

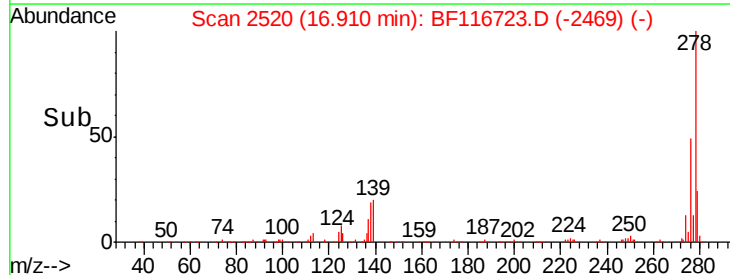
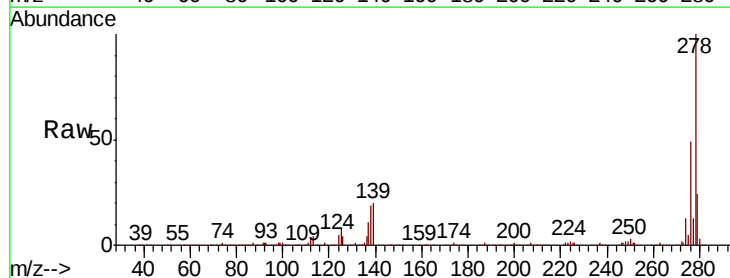
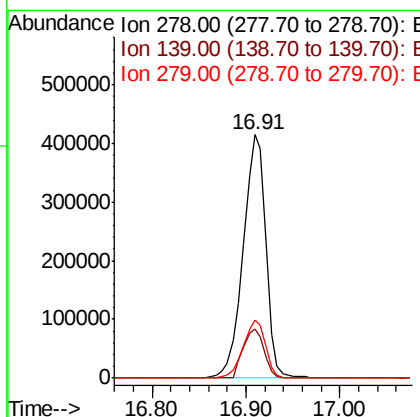
Manual Integrations
APPROVED

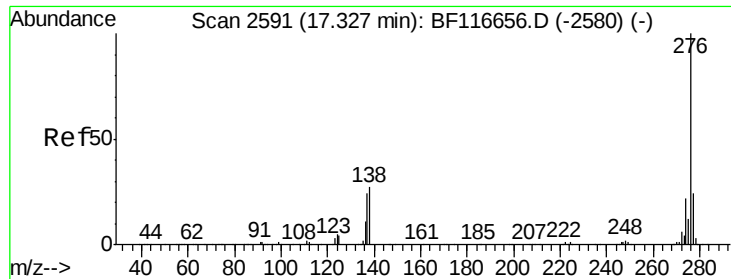
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 52.205 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	12.4	18.6#
279	24.0	18.2	27.4





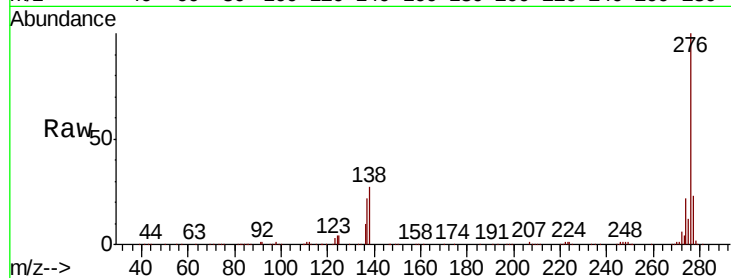
#92
 Benzo(a,h,i)perylene
 Concen: 46.933 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. 0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.5	27.7
138	26.8	16.2	24.2

Manual Integrations
 APPROVED

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 9/5/2019 9:23:53 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

