

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042220\
 Data File : BF120134.D
 Acq On : 22 Apr 2020 16:37
 Operator : MA/SJ
 Sample : PB128402BSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:18:01 AM

Quant Time: Apr 22 17:12:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 11:49:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	132914	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	511306	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	264293	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	512693	20.00	ng	0.00
76) Chrysene-d12	13.85	240	393009	20.00	ng	0.00
87) Perylene-d12	15.25	264	358726	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	735890	95.68	ng	0.01
7) Phenol-d6	6.32	99	917397	92.57	ng	0.00
23) Nitrobenzene-d5	7.25	82	817116	82.68	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	249780	77.19	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	1592710	85.56	ng	0.00
79) Terphenyl-d14	12.80	244	1785389	76.44	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.39	88	130732	38.16	ng	98
3) Pyridine	3.06	79	358436	38.14	ng	93
4) n-Nitrosodimethylamine	3.02	42	216478	45.08	ng	97
6) Aniline	6.34	93	441738	33.96	ng	# 74
8) 2-Chlorophenol	6.46	128	425371	49.50	ng	98
9) Benzaldehyde	6.22	77	171823	28.42	ng	99
10) Phenol	6.33	94	540861	48.11	ng	76
11) bis(2-Chloroethyl)ether	6.42	93	400849	46.18	ng	100
12) 1,3-Dichlorobenzene	6.62	146	433568	46.09	ng	97
13) 1,4-Dichlorobenzene	6.69	146	441259	46.04	ng	98
14) 1,2-Dichlorobenzene	6.85	146	411099	46.55	ng	99
15) Benzyl Alcohol	6.83	79	348748	45.31	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.96	45	690653	40.89	ng	95
17) 2-Methylphenol	6.95	107	345096	45.00	ng	97
18) Hexachloroethane	7.19	117	164222	45.85	ng	98
19) n-Nitroso-di-n-propylamine	7.10	70	288799	45.32	ng	98
20) 3+4-Methylphenols	7.10	107	439910	46.90	ng	96
22) Acetophenone	7.09	105	569242	47.54	ng	93
24) Nitrobenzene	7.26	77	441659	44.42	ng	99
25) Isophorone	7.51	82	811658	42.60	ng	100
26) 2-Nitrophenol	7.58	139	233276	46.96	ng	93
27) 2,4-Dimethylphenol	7.63	122	358658	47.88	ng	96
28) bis(2-Chloroethoxy)methane	7.72	93	510434	45.53	ng	100
29) 2,4-Dichlorophenol	7.83	162	349378	45.50	ng	98
30) 1,2,4-Trichlorobenzene	7.90	180	380788	43.76	ng	98
31) Naphthalene	7.99	128	1223951	45.50	ng	98
32) Benzoic acid	7.77	122	284335	43.22	ng	93
33) 4-Chloroaniline	8.04	127	279952	23.90	ng	97
34) Hexachlorobutadiene	8.10	225	216053	41.48	ng	100
35) Caprolactam	8.41	113	106454m	45.32	ng	
36) 4-Chloro-3-methylphenol	8.53	107	389262	46.82	ng	98
37) 2-Methylnaphthalene	8.68	142	818501	44.88	ng	97
38) 1-Methylnaphthalene	8.78	142	782533	45.52	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.85	216	363901	43.59	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.83	237	374388	78.87	ng	100
43) 2,4,6-Trichlorophenol	8.96	196	256190	44.44	ng	99
44) 2,4,5-Trichlorophenol	9.00	196	273178	42.08	ng	97
46) 1,1'-Biphenyl	9.15	154	986879	44.24	ng	98
47) 2-Chloronaphthalene	9.17	162	768545	44.72	ng	99
48) 2-Nitroaniline	9.27	65	279444	44.87	ng	93
49) Acenaphthylene	9.58	152	1223216	46.80	ng	98
50) Dimethylphthalate	9.45	163	905356	44.29	ng	99
51) 2,6-Dinitrotoluene	9.51	165	208944	46.67	ng	89
52) Acenaphthene	9.76	154	734633	42.14	ng	99
53) 3-Nitroaniline	9.68	138	148631	29.07	ng	89
54) 2,4-Dinitrophenol	9.79	184	237814	88.73	ng	95
55) Dibenzofuran	9.93	168	1098394	45.91	ng	100
56) 4-Nitrophenol	9.86	139	333445	87.65	ng	98
57) 2,4-Dinitrotoluene	9.92	165	273193	46.32	ng	95
58) Fluorene	10.27	166	865357	45.23	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	233201	46.96	ng	98
60) Diethylphthalate	10.15	149	919461	43.40	ng	99
61) 4-Chlorophenyl-phenylether	10.26	204	410148	41.83	ng	100
62) 4-Nitroaniline	10.30	138	228578	46.91	ng	98
63) Azobenzene	10.42	77	884583	46.59	ng	98
65) 4,6-Dinitro-2-methylphenol	10.33	198	157081	46.51	ng	93
66) n-Nitrosodiphenylamine	10.39	169	782525	45.89	ng	99
67) 4-Bromophenyl-phenylether	10.75	248	250503	39.29	ng	96
68) Hexachlorobenzene	10.82	284	273774	42.33	ng	99
69) Atrazine	10.92	200	236234	49.80	ng	99
70) Pentachlorophenol	11.02	266	278997	74.85	ng	98
71) Phenanthrene	11.23	178	1256752	46.06	ng	99
72) Anthracene	11.28	178	1320633	47.38	ng	97
73) Carbazole	11.44	167	1210054	45.91	ng	97
74) Di-n-butylphthalate	11.77	149	1482248	42.77	ng	100
75) Fluoranthene	12.42	202	1393699	47.34	ng	98
77) Benzidine	12.54	184	666381	50.16	ng	98
78) Pyrene	12.64	202	1419741	42.85	ng	98
80) Butylbenzylphthalate	13.27	149	638254	39.70	ng	99
81) Benzo(a)anthracene	13.84	228	1190978	46.06	ng	100
82) 3,3'-Dichlorobenzidine	13.80	252	301629	31.27	ng	# 99
83) Chrysene	13.87	228	1182270	45.00	ng	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	835031	38.36	ng	99
85) Di-n-octyl phthalate	14.44	149	1479843	39.92	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	1053397	45.49	ng	100
88) Benzo(b)fluoranthene	14.86	252	1093745	42.38	ng	98
89) Benzo(k)fluoranthene	14.89	252	1088116	48.87	ng	98
90) Benzo(a)pyrene	15.20	252	987608	45.52	ng	97
91) Dibenzo(a,h)anthracene	16.63	278	863496	44.93	ng	98
92) Benzo(g,h,i)perylene	17.03	276	856428	45.14	ng	99

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



#1

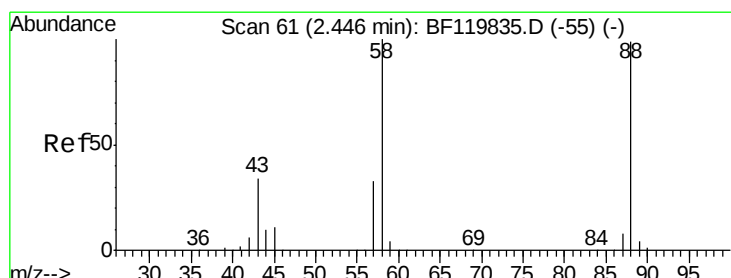
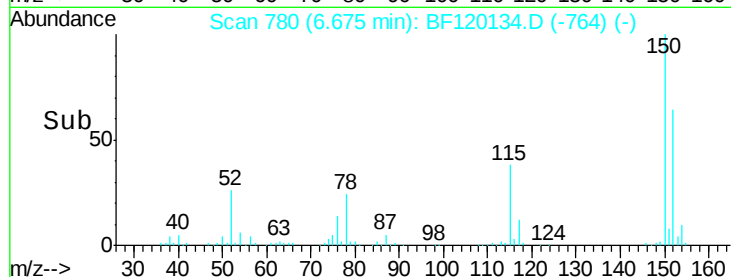
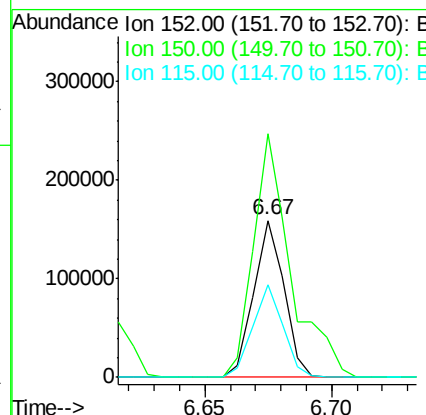
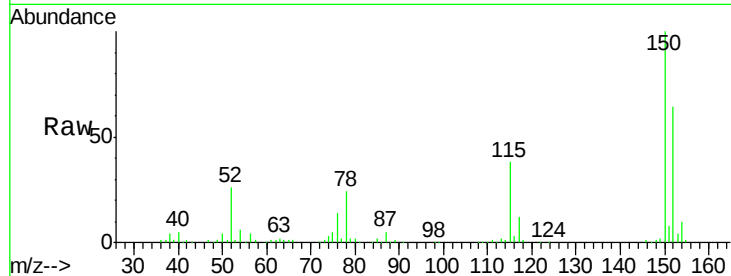
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.5	186.7
115	58.6	49.6	74.4

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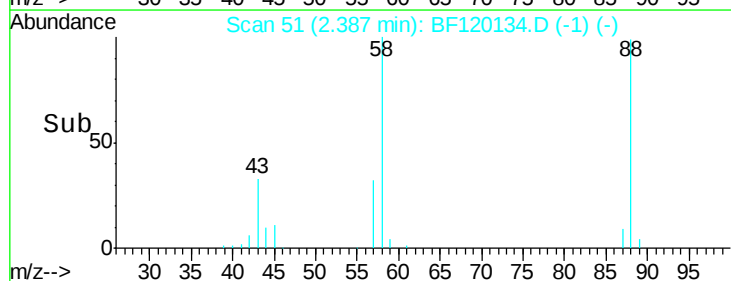
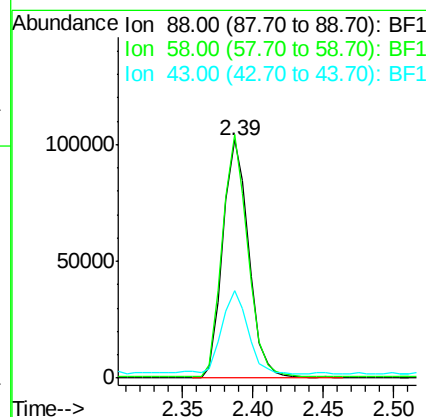
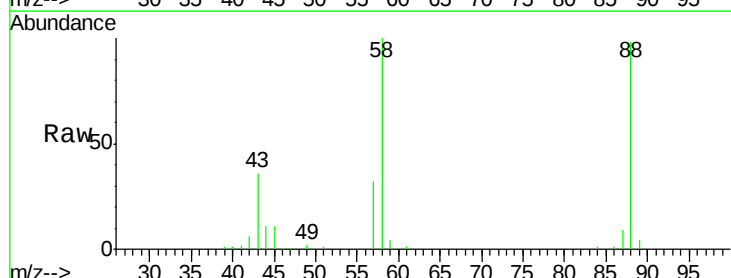
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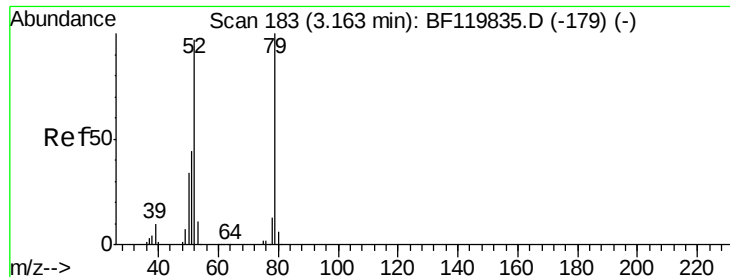


#2

1,4-Dioxane
Concen: 38.16 ng
RT: 2.39 min Scan# 51
Delta R.T. 0.11 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.5	80.6	121.0
43	35.6	27.5	41.3





#3

Pyridine

Concen: 38.14 ng

RT: 3.06 min Scan# 166

Delta R.T. 0.10 min

Lab File: BF120134.D

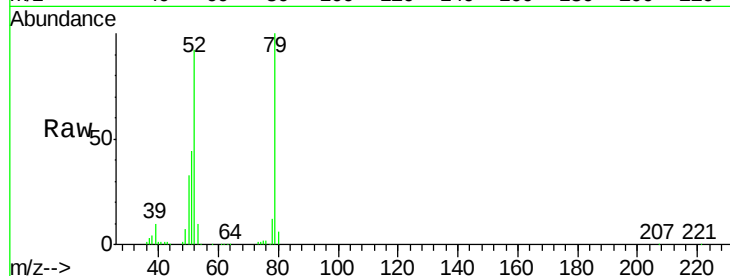
Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

ClientSampleId :

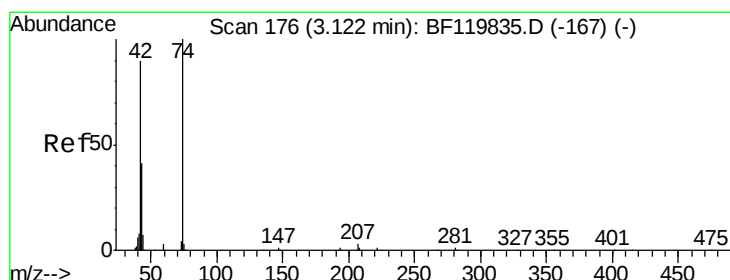
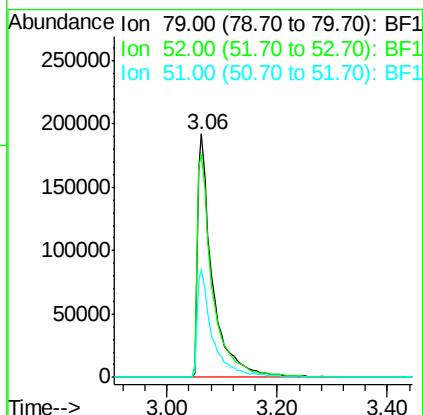
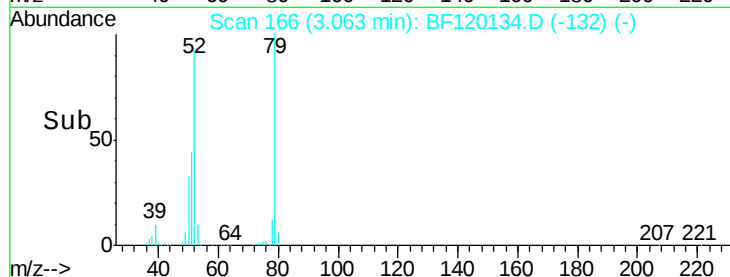
PB128402BSD



Tgt Ion:	79	Resp:	358436
Ion	Ratio	Lower	Upper
79	100		
52	91.7	80.2	120.2
51	44.1	37.7	56.5

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#4

n-Nitrosodimethylamine

Concen: 45.08 ng

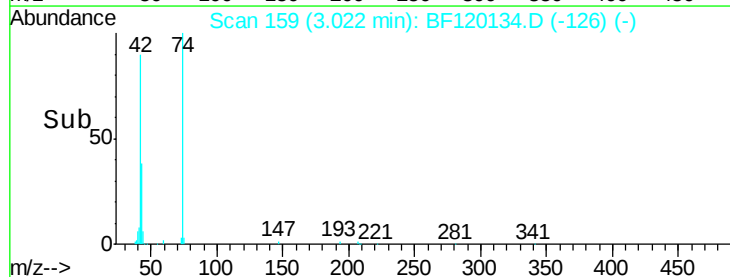
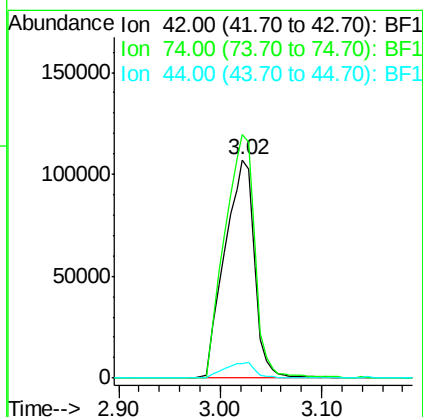
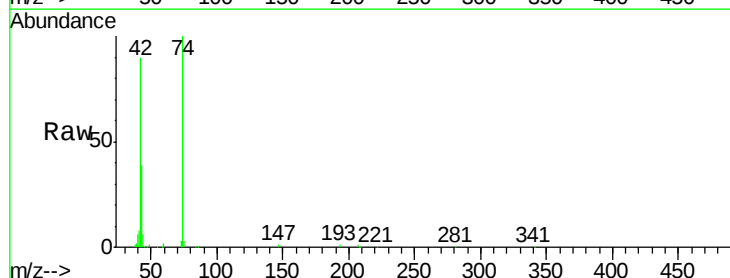
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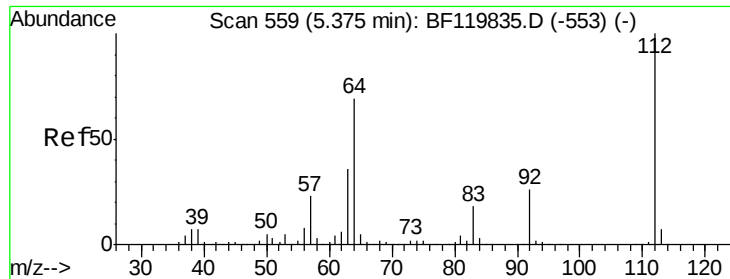
Delta R.T. 0.09 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Tgt Ion:	42	Resp:	216478
Ion	Ratio	Lower	Upper
42	100		
74	111.7	91.5	137.3
44	6.4	6.2	9.4





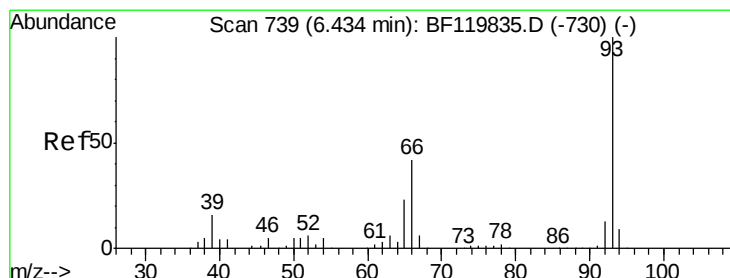
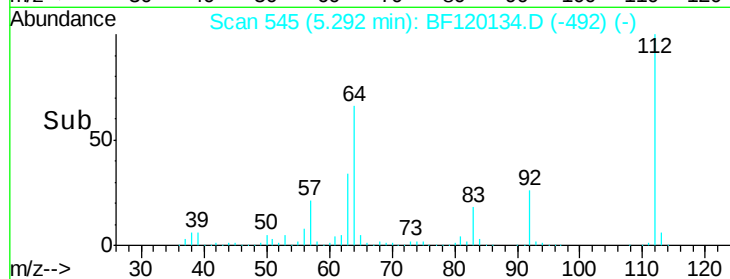
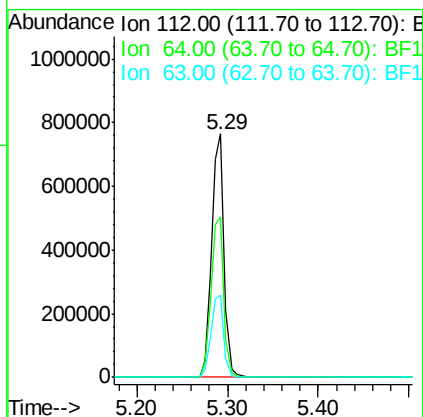
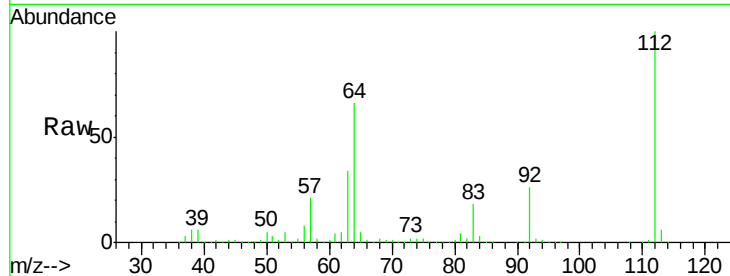
#5
2-Fluorophenol
Concen: 95.68 ng
RT: 5.29 min Scan# 545
Delta R.T. 0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
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ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	65.9	56.7	85.1
63	33.7	29.5	44.3

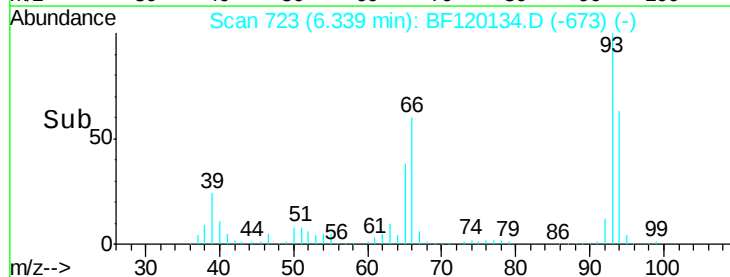
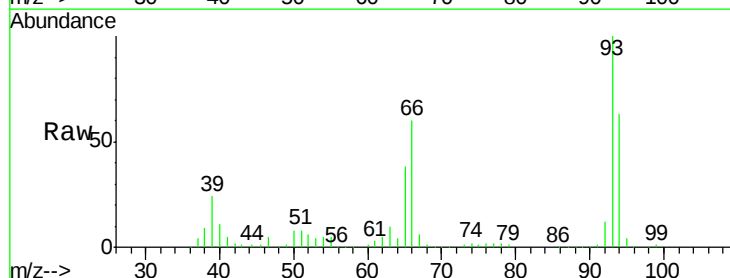
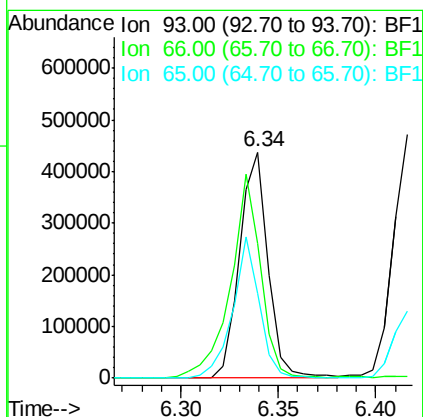
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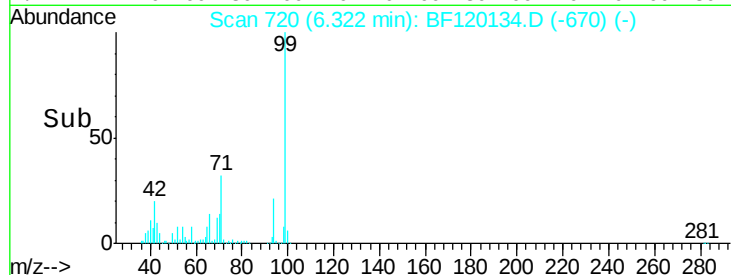
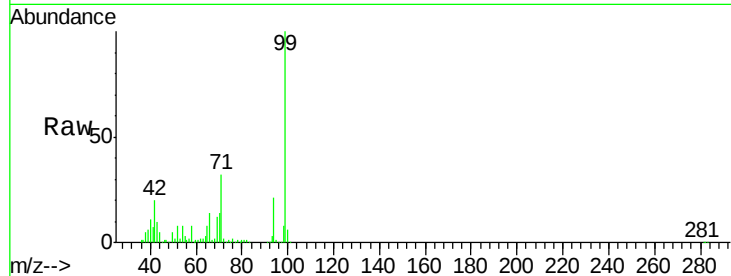
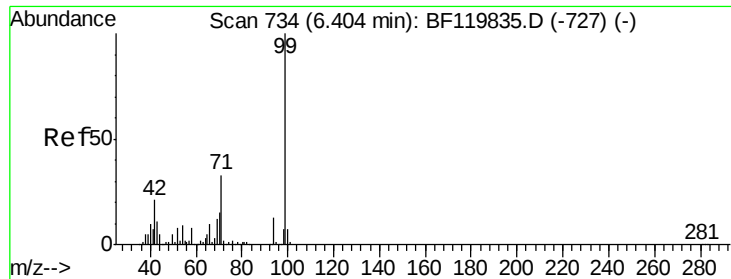
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#6
Aniline
Concen: 33.96 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
66	59.5	34.9	52.3#
65	37.5	18.6	27.8#





#7

Phenol-d6

Concen: 92.57 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Tgt Ion:	99	Resp:	917397
Ion Ratio	Lower	Upper	
99	100		
42	19.9	16.6	24.8
71	32.1	26.4	39.6

Instrument :

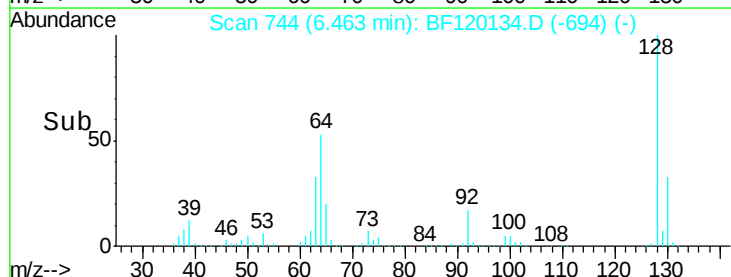
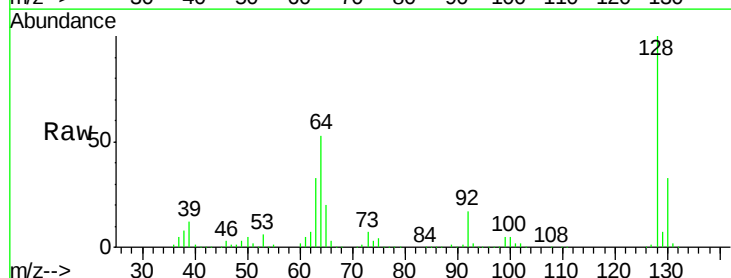
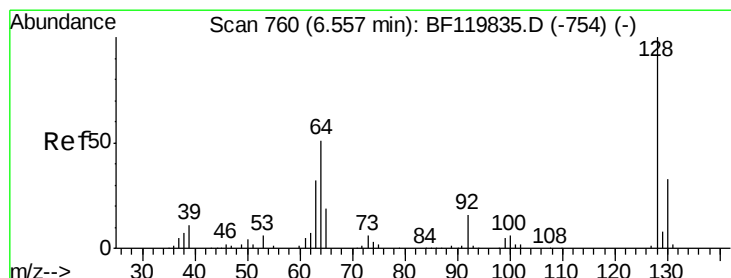
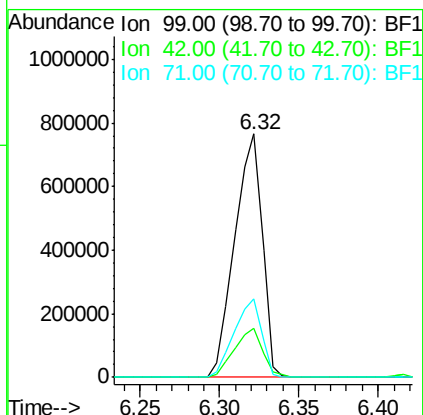
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#8

2-Chlorophenol

Concen: 49.50 ng

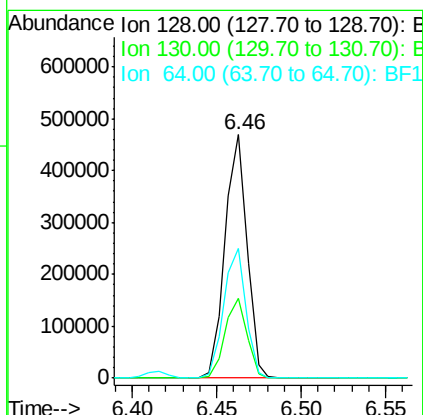
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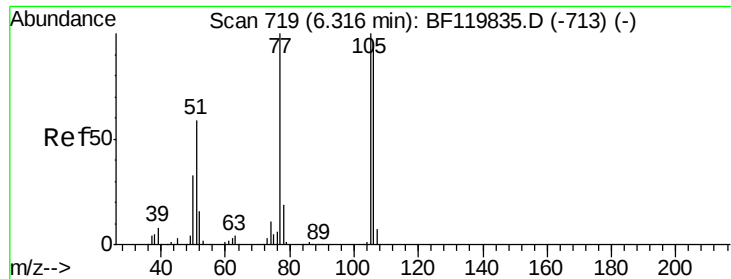
Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Tgt Ion:	128	Resp:	425371
Ion Ratio	Lower	Upper	
128	100		
130	32.7	12.6	52.6
64	53.2	35.3	75.3





#9

Benzaldehyde

Concen: 28.42 ng

RT: 6.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF120134.D

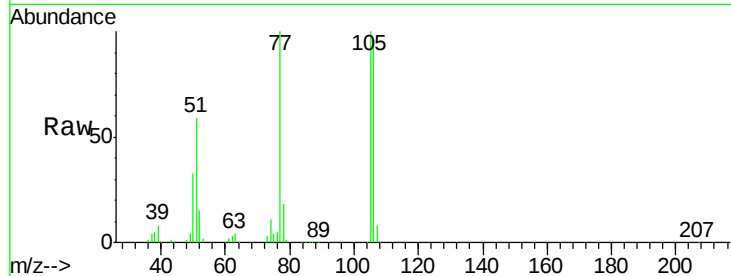
Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

ClientSampleId :

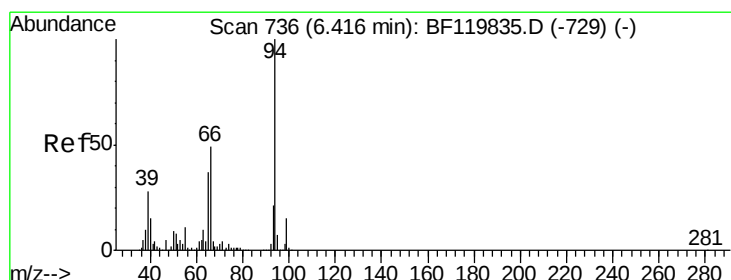
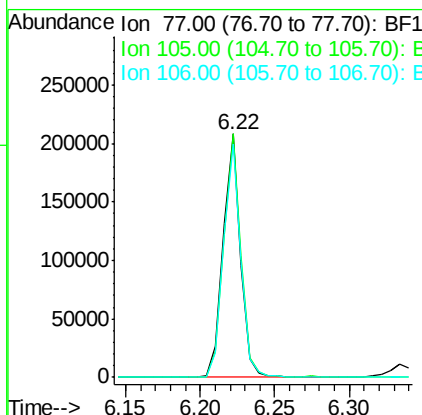
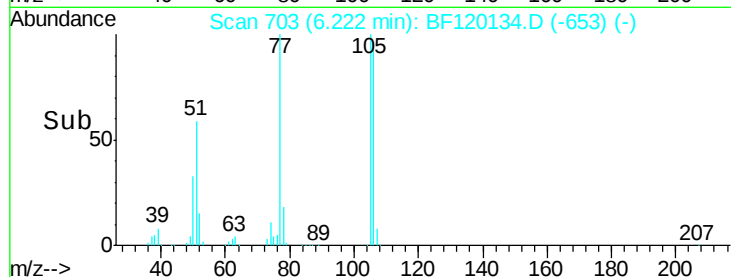
PB128402BSD



Tgt Ion:	77	Resp:	171823
Ion	Ratio	Lower	Upper
77	100		
105	100.1	80.9	120.9
106	95.8	77.9	117.9

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#10

Phenol

Concen: 48.11 ng

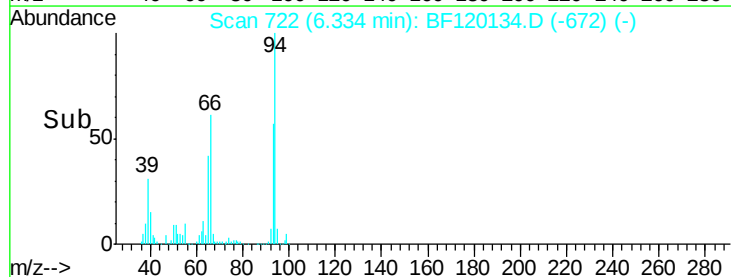
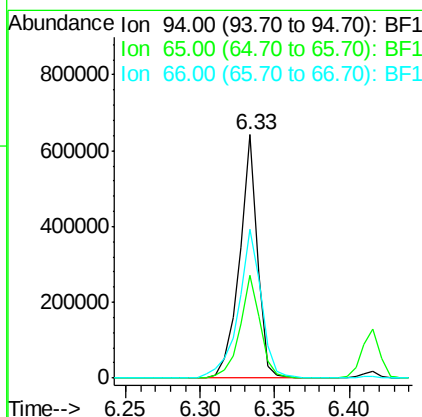
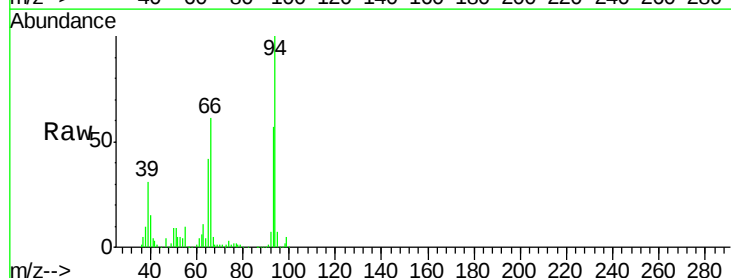
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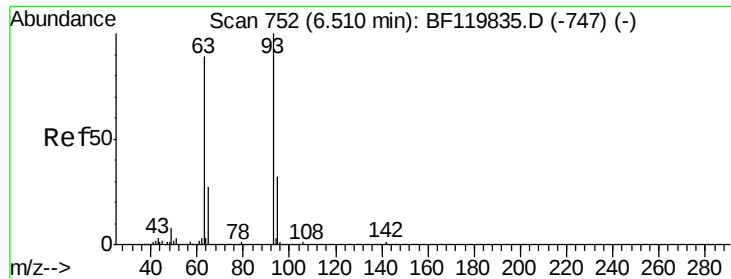
Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Tgt Ion:	94	Resp:	540861
Ion	Ratio	Lower	Upper
94	100		
65	42.4	13.2	53.2
66	61.3	22.3	62.3





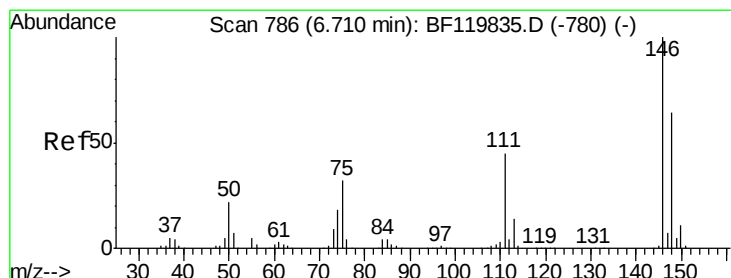
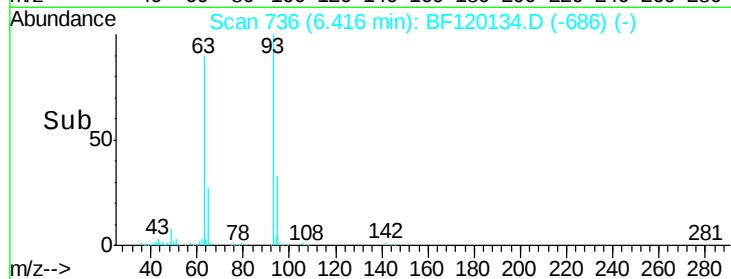
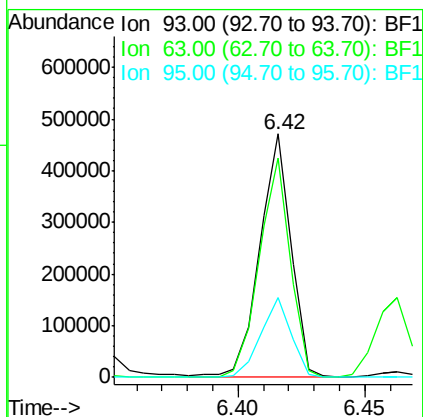
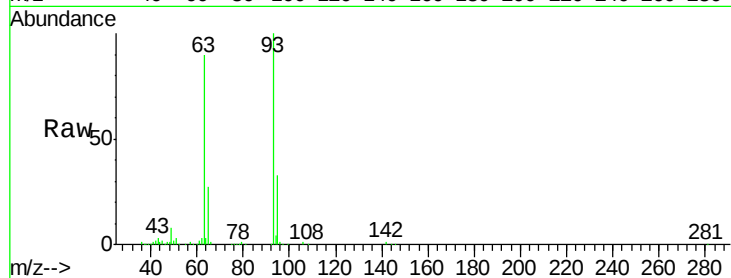
#11
bis(2-Chloroethyl)ether
Concen: 46.18 ng
RT: 6.42 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Lower	Upper
93	100		
63	90.2	70.2	110.2
95	32.6	13.4	53.4

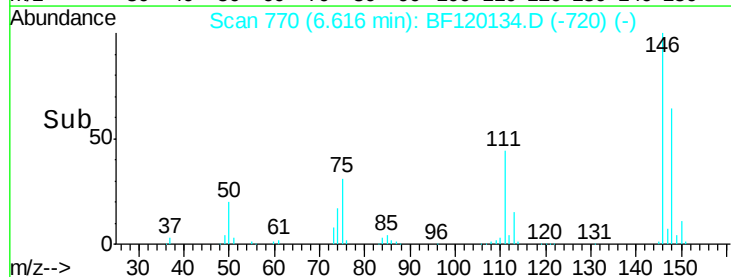
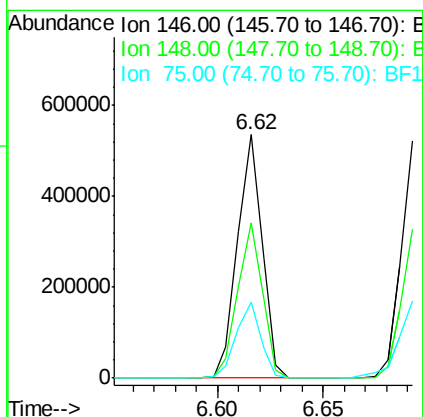
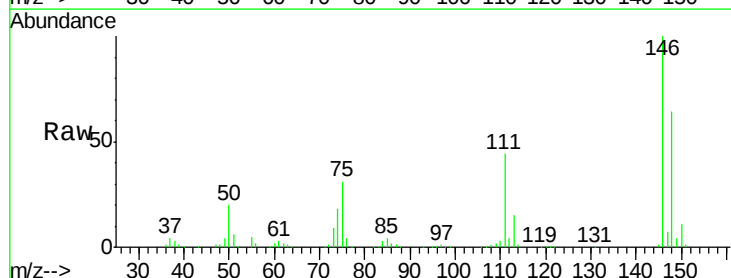
Manual Integrations
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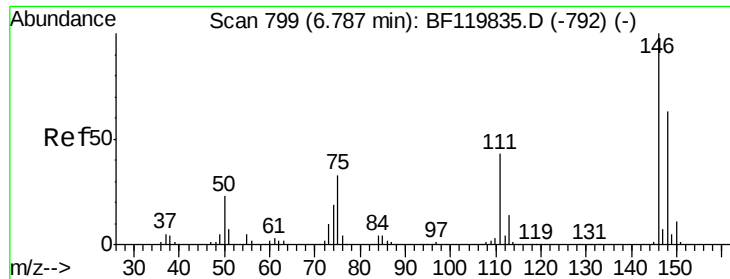
mohammad
4/24/2020 4:18:01 AM



#12
1,3-Dichlorobenzene
Concen: 46.09 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.2	78.4
75	31.1	23.0	34.4





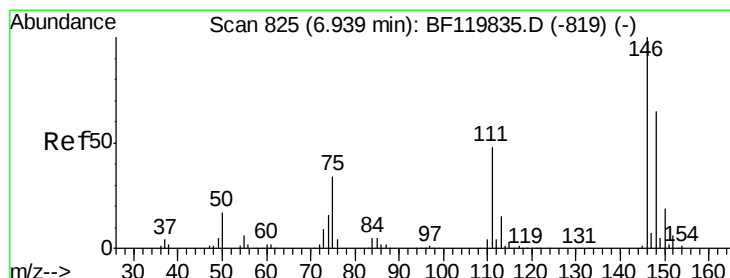
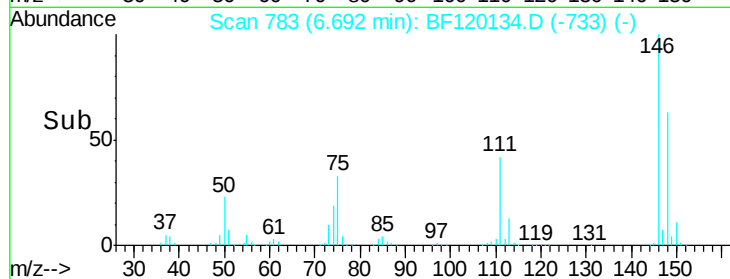
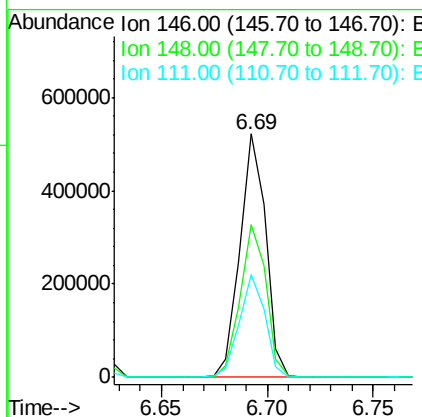
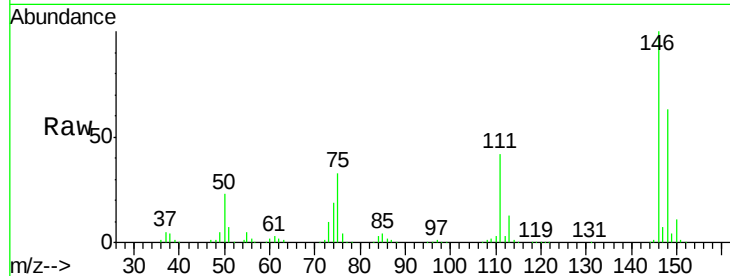
#13
 1,4-Dichlorobenzene
 Concen: 46.04 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	441259		
148	63.0	51.5	77.3	
111	42.2	33.3	49.9	

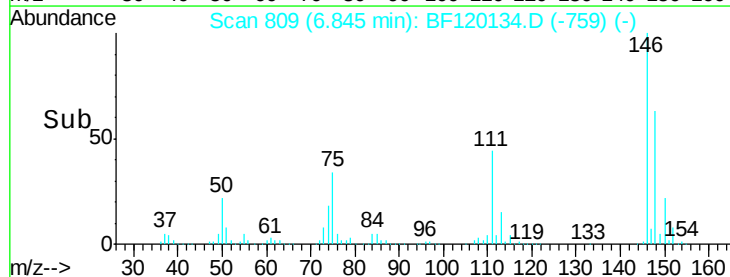
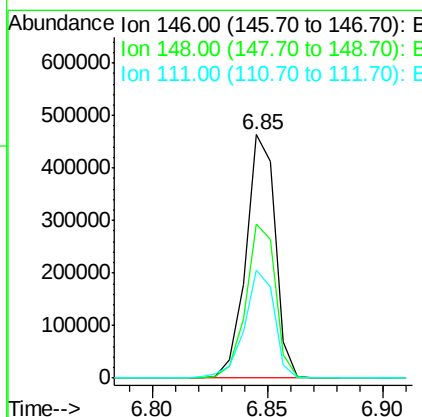
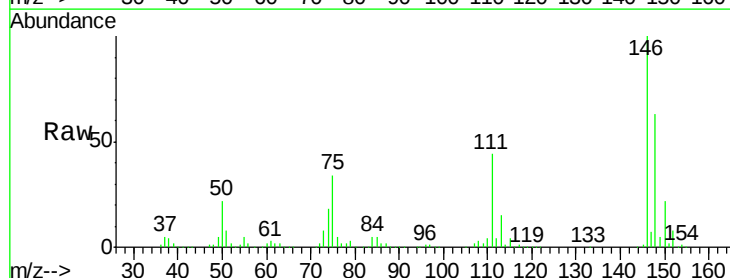
Manual Integrations
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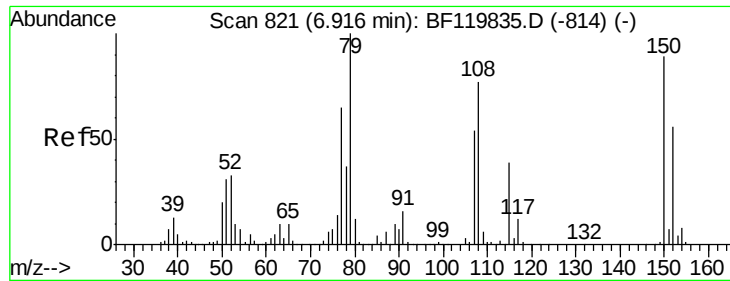
mohammad
 4/24/2020 4:18:01 AM



#14
 1,2-Dichlorobenzene
 Concen: 46.55 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	411099		
148	63.4	50.6	75.8	
111	44.2	36.1	54.1	





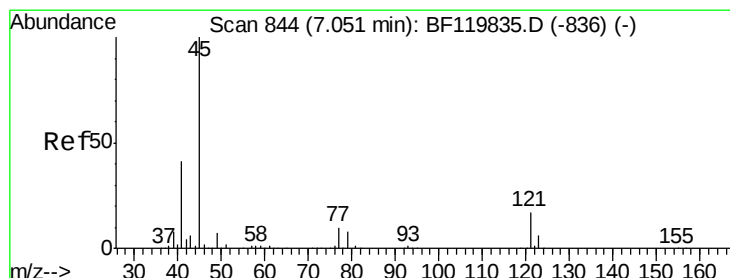
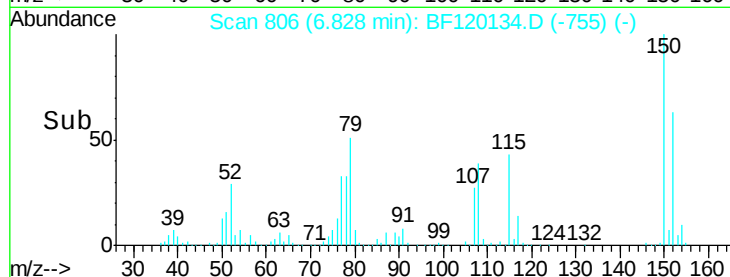
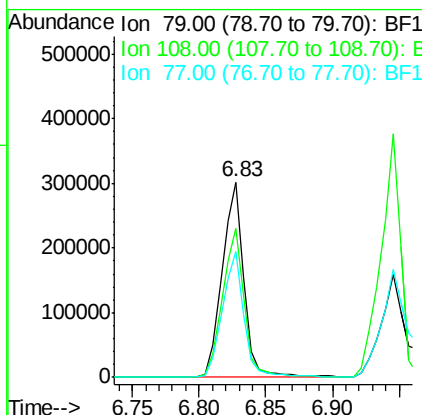
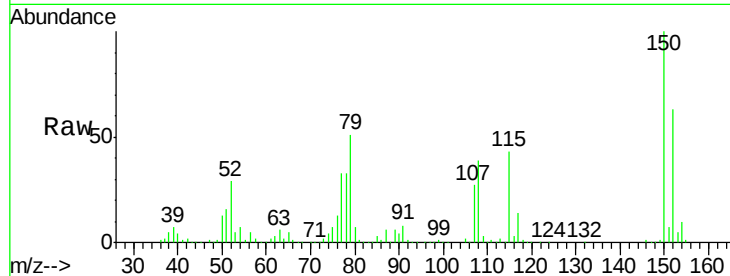
#15
Benzyl Alcohol
Concen: 45.31 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Lower	Upper
79	100		
108	76.1	60.6	90.8
77	64.3	50.2	75.2

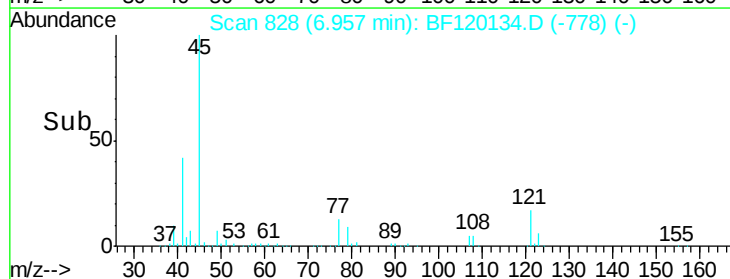
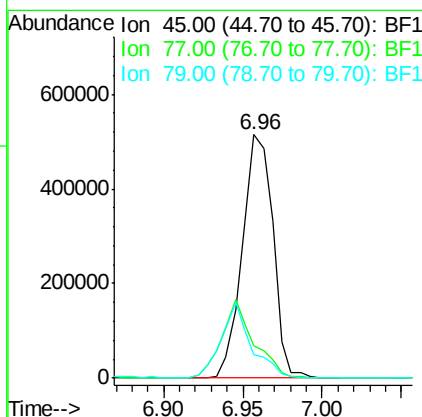
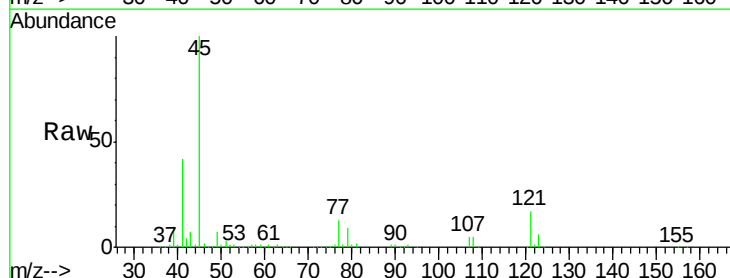
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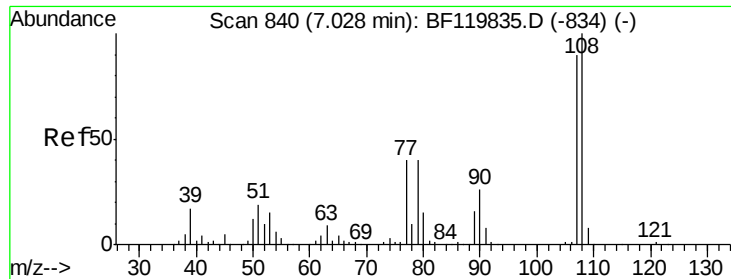
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.89 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	30.7
79	9.4	0.0	28.2





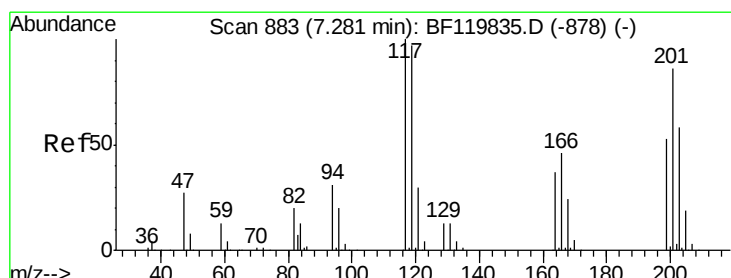
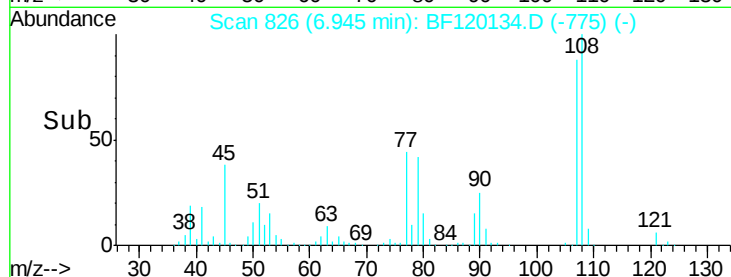
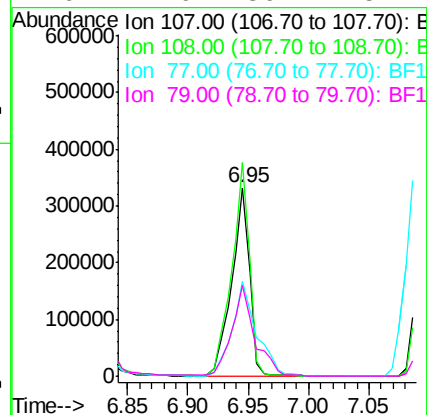
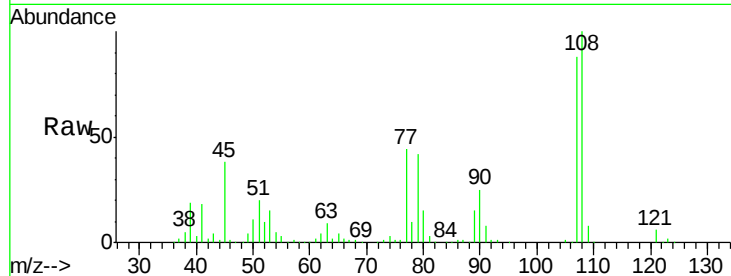
#17
2-Methylphenol
Concen: 45.00 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion:	107	Resp:	345096
Ion Ratio	Lower	Upper	
107	100		
108	113.3	92.2	138.4
77	50.2	36.6	54.8
79	47.9	36.2	54.4

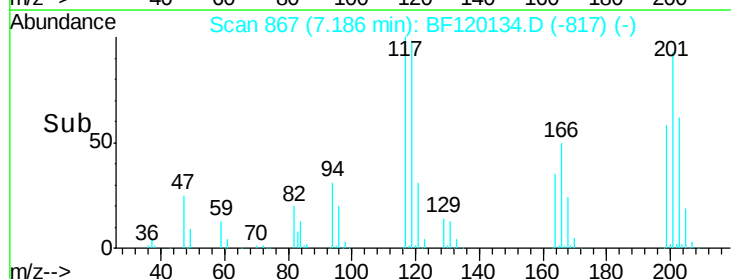
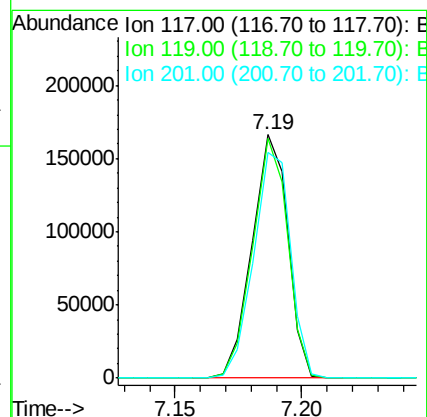
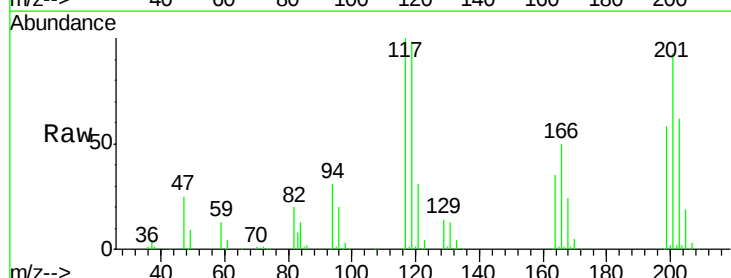
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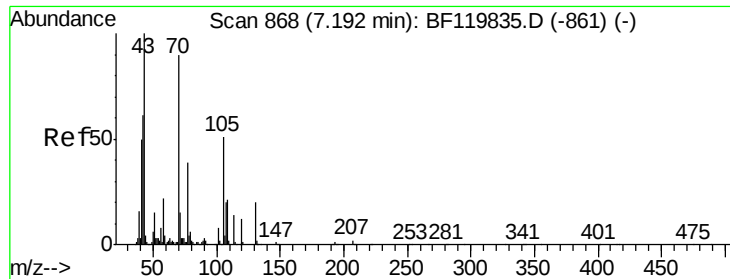
mohammad
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#18
Hexachloroethane
Concen: 45.85 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion:	117	Resp:	164222
Ion Ratio	Lower	Upper	
117	100		
119	98.3	76.1	114.1
201	92.6	73.0	109.6





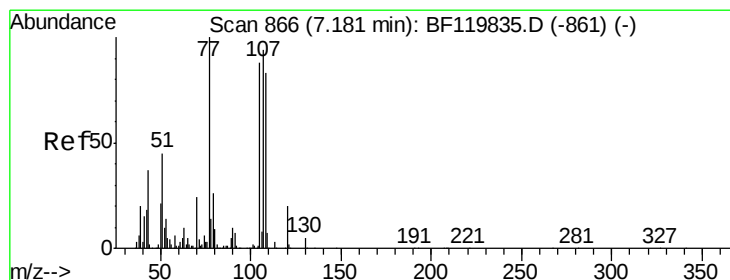
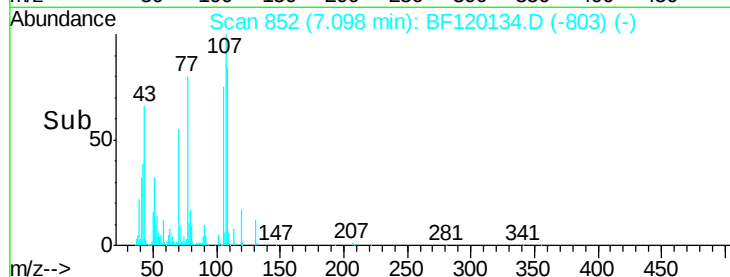
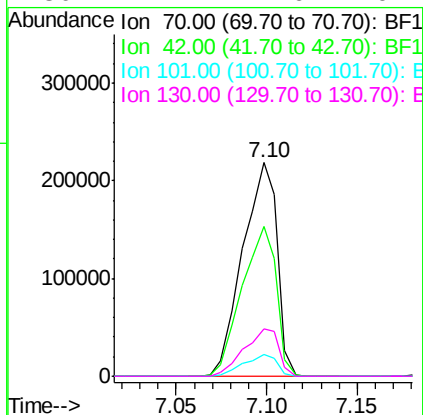
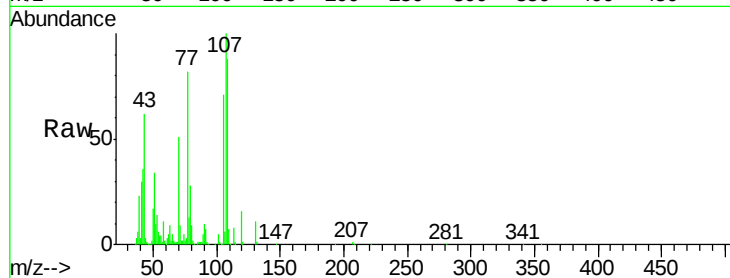
#19
n-Nitroso-di-n-propylamine
Concen: 45.32 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	70.4	54.5	81.7
101	10.0	7.6	11.4
130	22.2	17.6	26.4

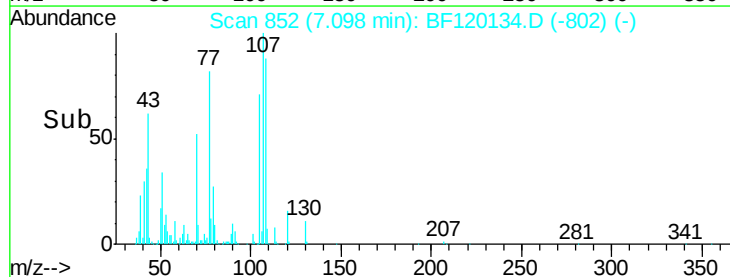
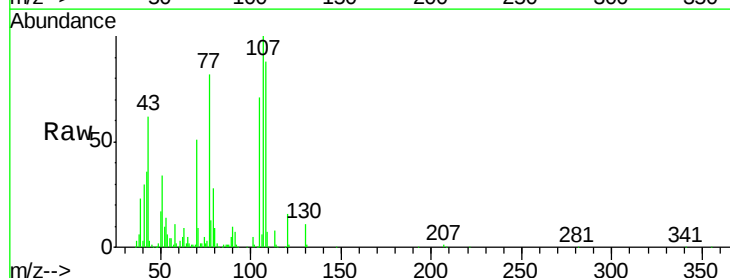
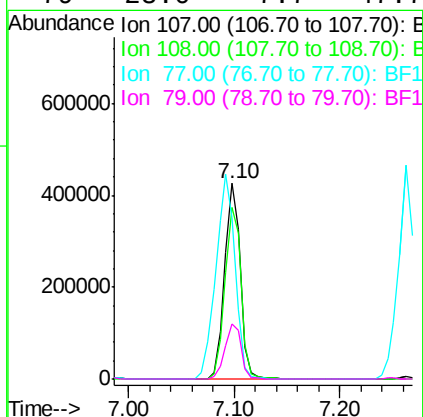
Manual Integrations
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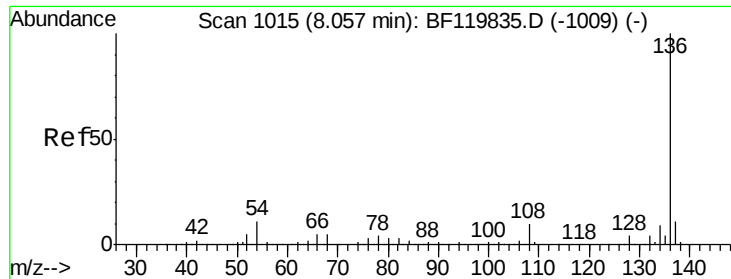
mohammad
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#20
3+4-Methylphenols
Concen: 46.90 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.9	67.9	107.9
77	82.4	52.9	92.9
79	28.0	7.7	47.7





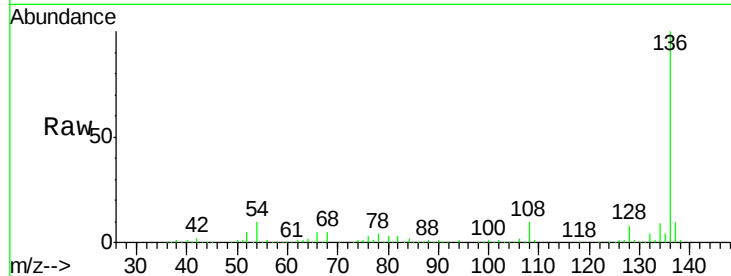
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	511306		
137	10.5	8.7	13.1	
54	10.2	9.1	13.7	
68	5.5	4.6	6.8	

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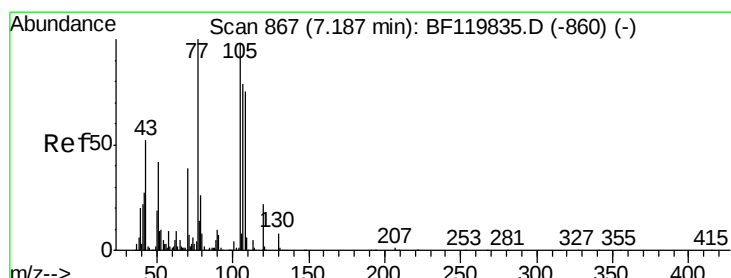
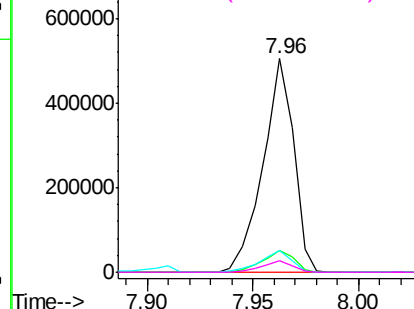
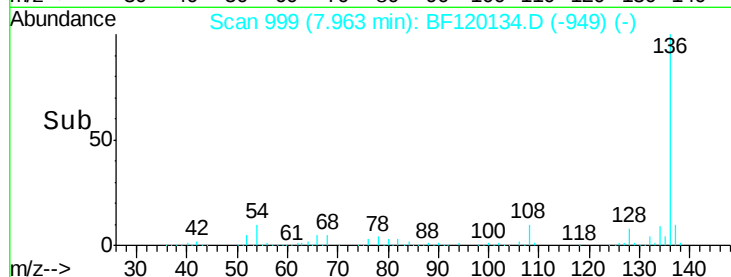
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

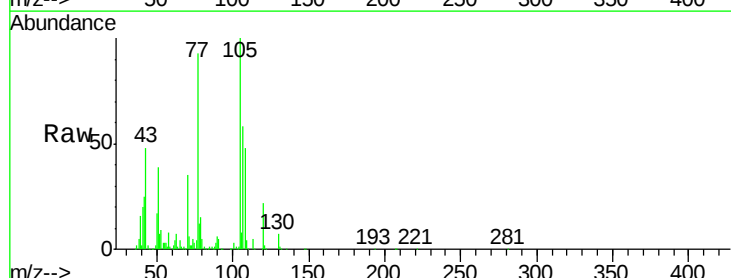
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 47.54 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	569242		
71	5.7	5.7	8.5	
51	39.2	26.2	39.4	
120	21.7	18.3	27.5	



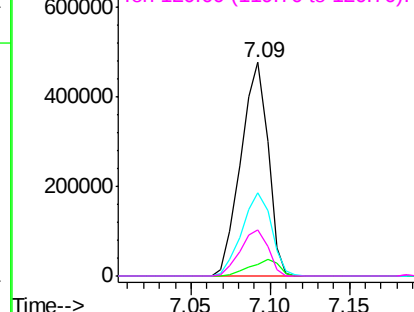
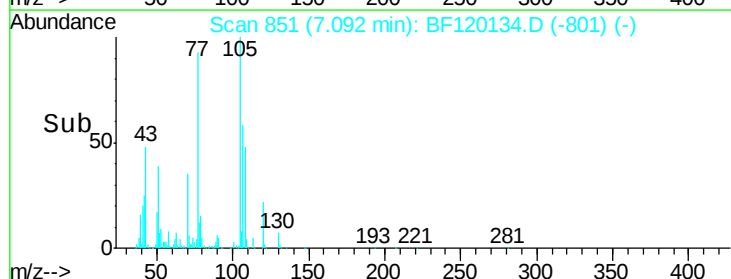
Abundance

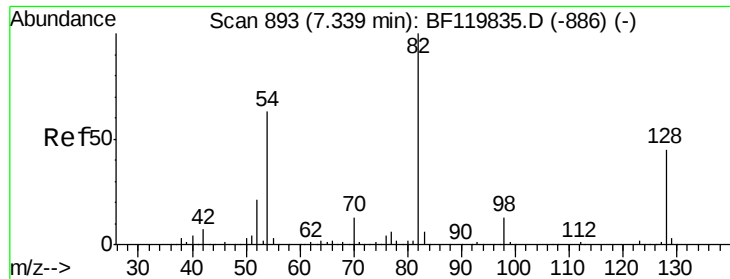
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





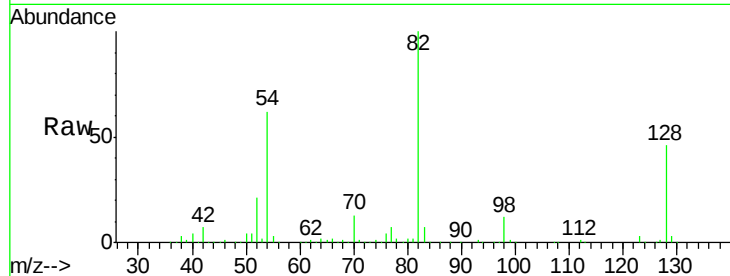
#23
 Nitrobenzene-d5
 Concen: 82.68 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

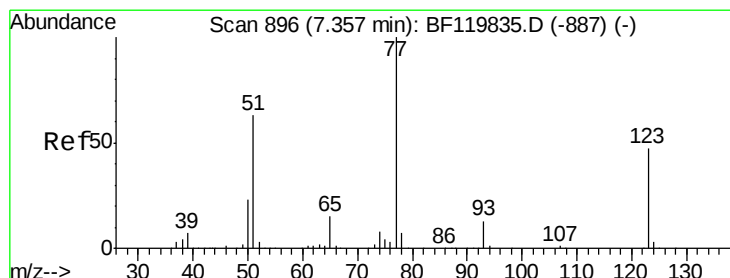
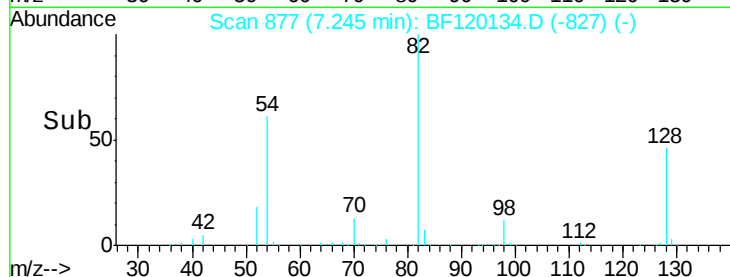
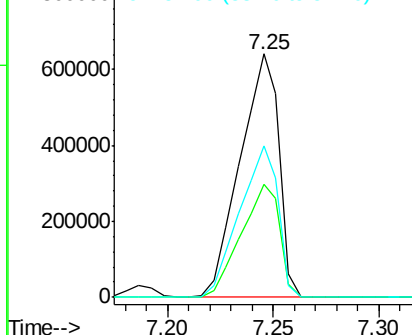
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.3	54.5
54	62.3	50.6	75.8

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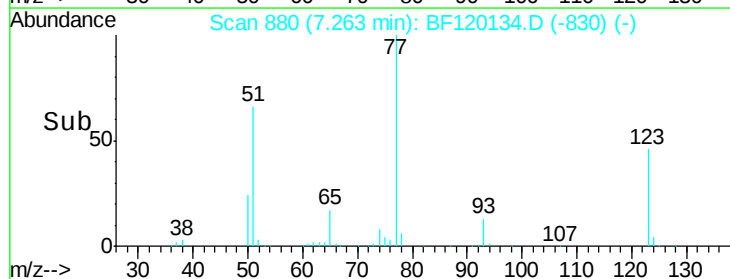
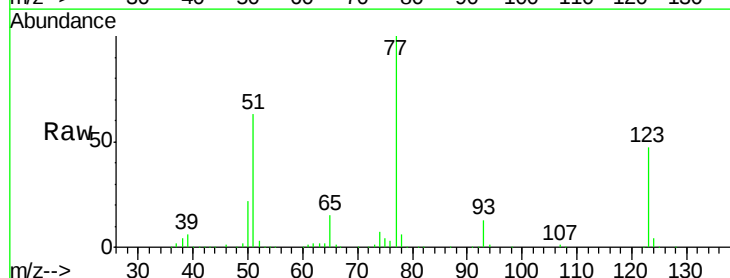
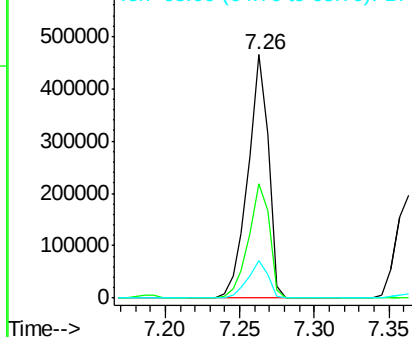
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF1



#24
 Nitrobenzene
 Concen: 44.42 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.2	38.0	57.0
65	15.2	12.6	18.8

Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF1





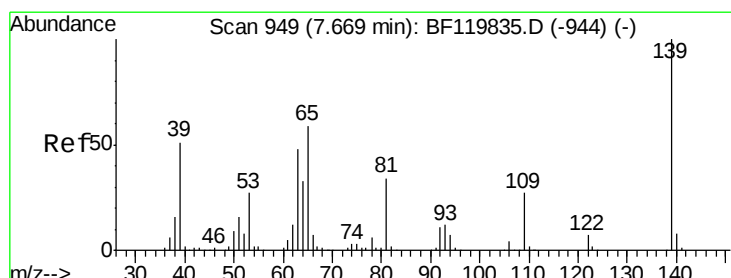
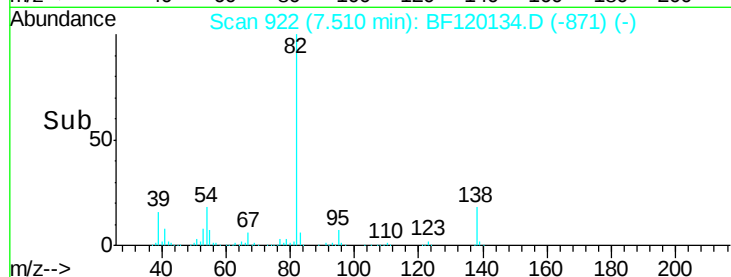
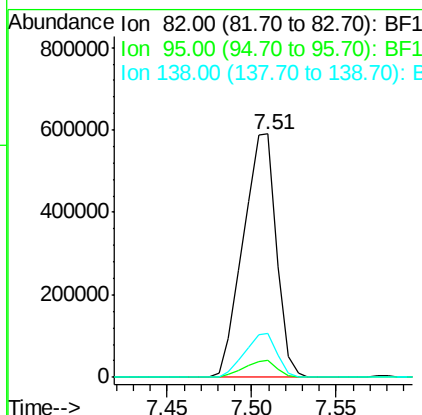
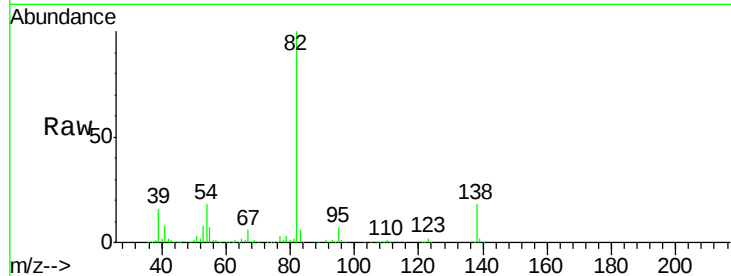
#25
Isophorone
Concen: 42.60 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	811658		
95	6.9	5.8	8.6	
138	18.2	14.6	21.8	

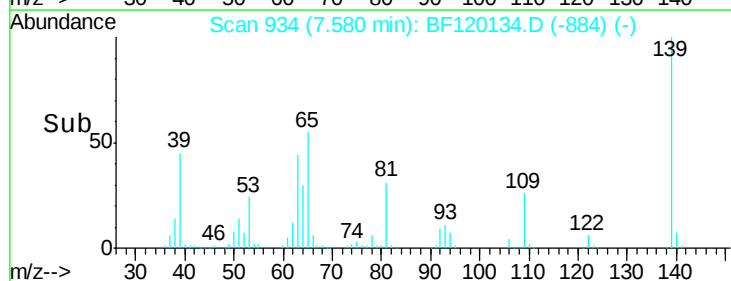
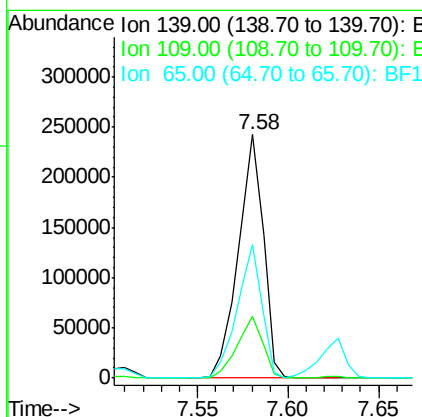
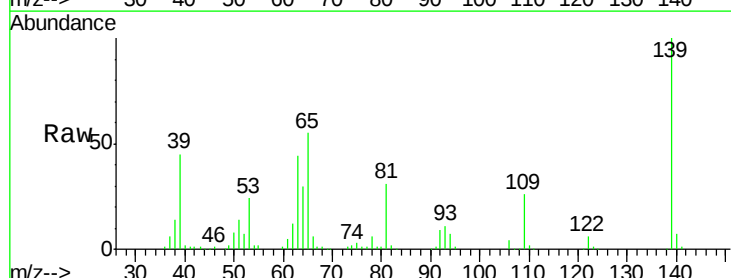
Manual Integrations
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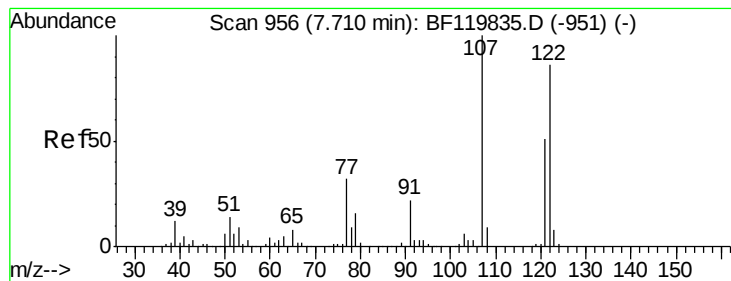
mohammad
4/24/2020 4:18:01 AM



#26
2-Nitrophenol
Concen: 46.96 ng
RT: 7.58 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	233276		
109	25.6	22.1	33.1	
65	54.8	49.2	73.8	





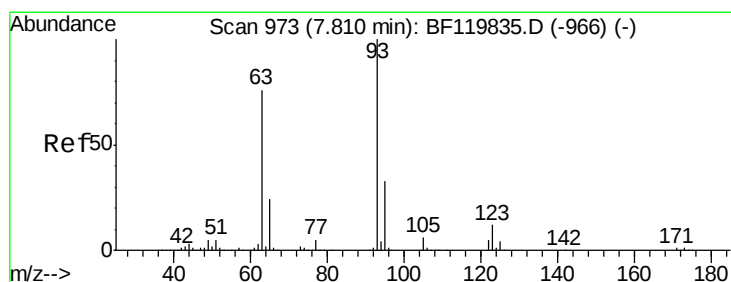
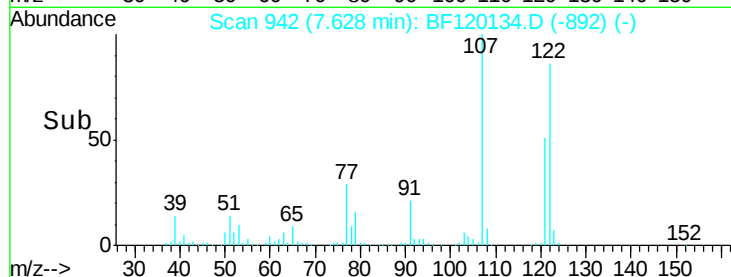
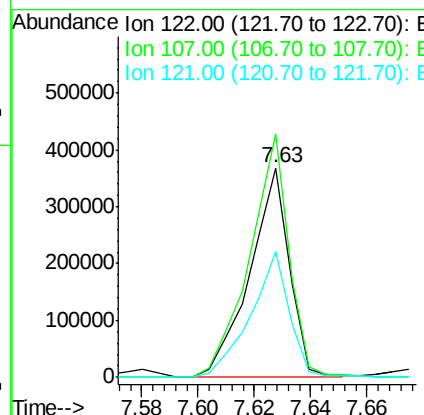
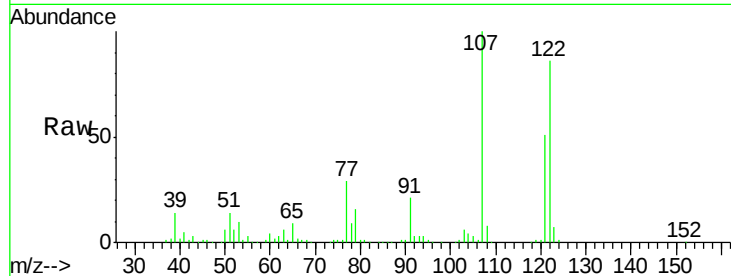
#27
 2,4-Dimethylphenol
 Concen: 47.88 ng
 RT: 7.63 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	358658		
107	116.4	89.0	133.6	
121	59.9	46.7	70.1	

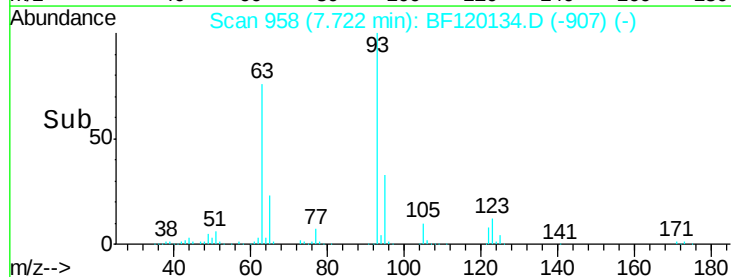
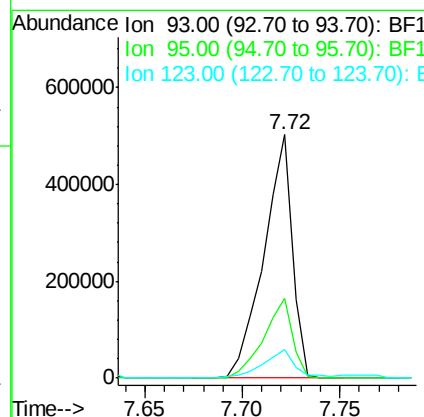
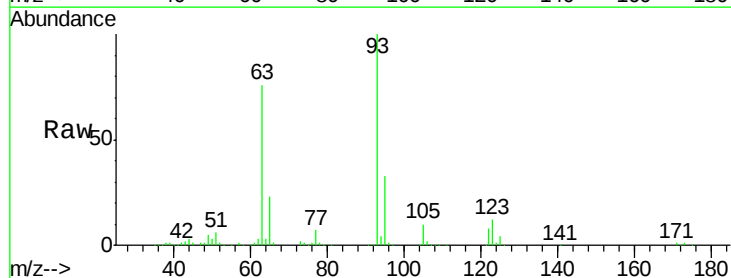
Manual Integrations
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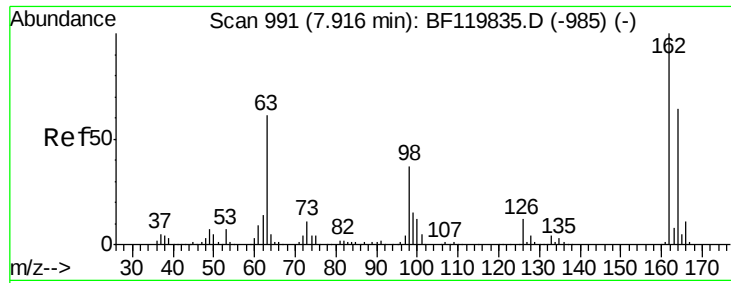
mohammad
 4/24/2020 4:18:01 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.53 ng
 RT: 7.72 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	510434		
95	33.0	26.3	39.5	
123	11.9	9.7	14.5	





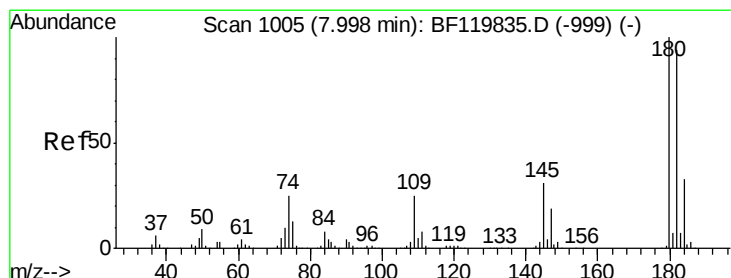
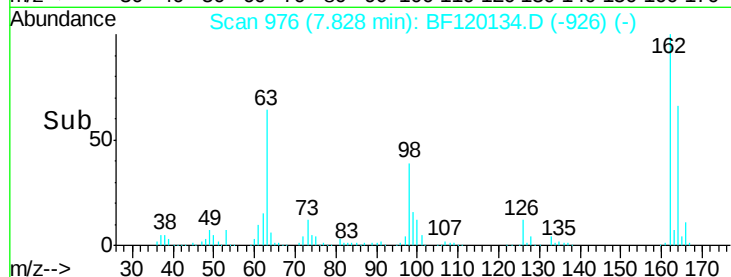
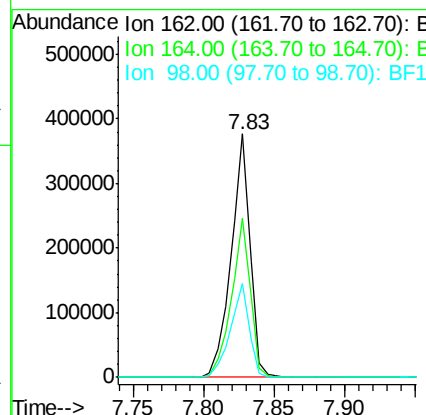
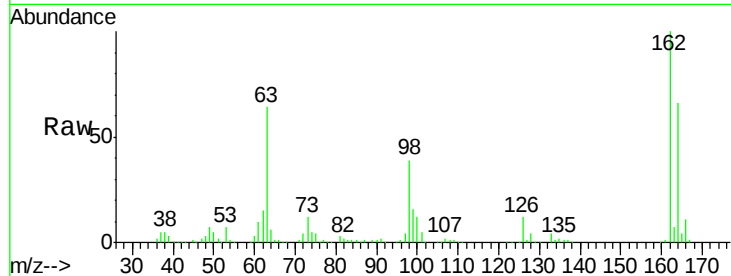
#29
 2,4-Dichlorophenol
 Concen: 45.50 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	349378		
164	65.5	44.7	84.7	
98	38.7	20.7	60.7	

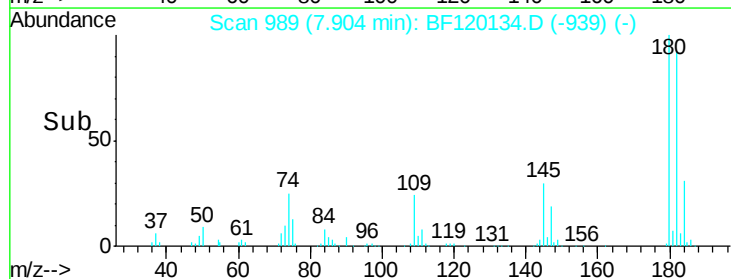
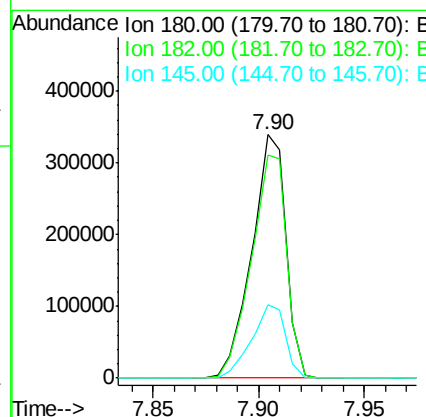
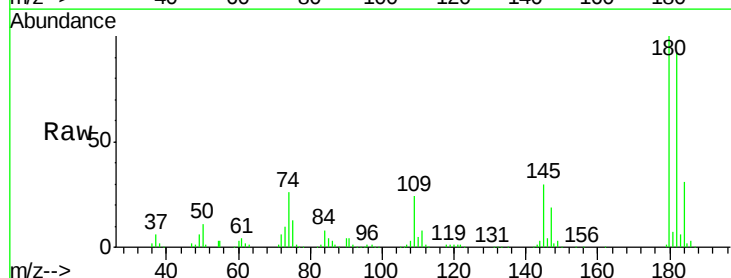
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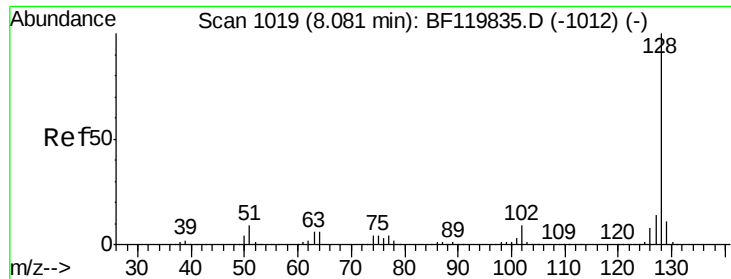
mohammad
 4/24/2020 4:18:01 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 43.76 ng
 RT: 7.90 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	380788		
182	91.9	74.7	112.1	
145	29.9	24.5	36.7	





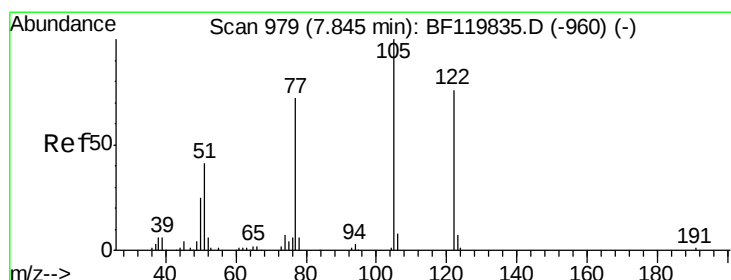
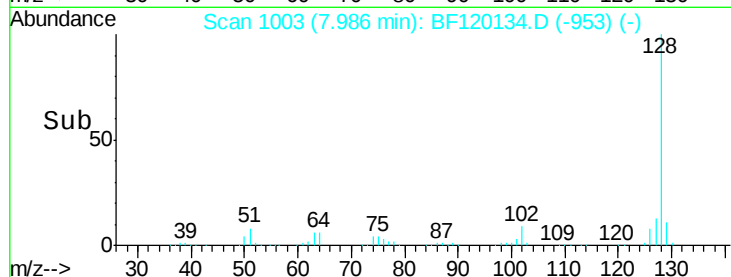
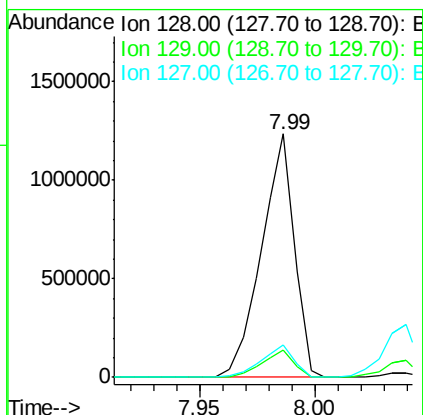
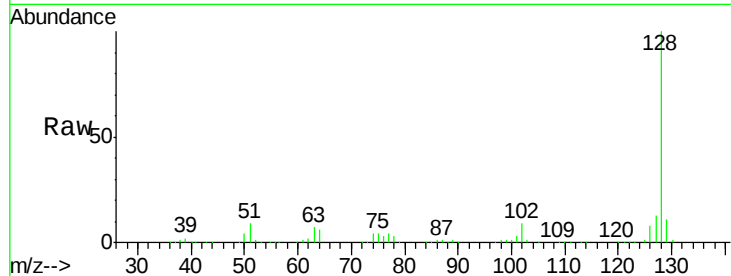
#31
Naphthalene
Concen: 45.50 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	13.2	11.3	16.9

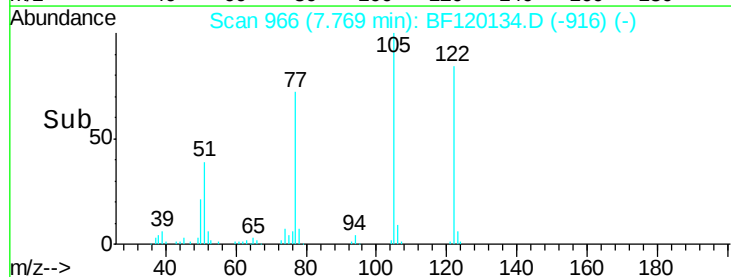
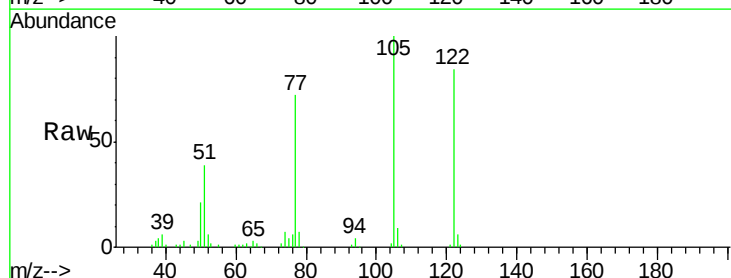
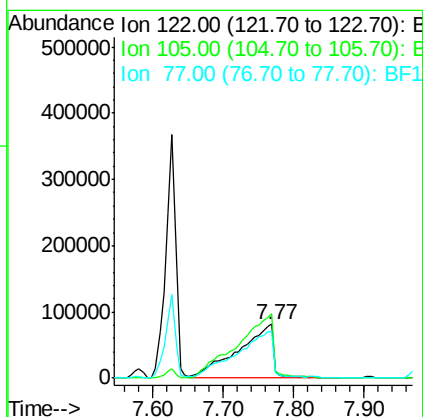
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#32
Benzoic acid
Concen: 43.22 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.4	104.9	144.9
77	85.8	74.4	114.4





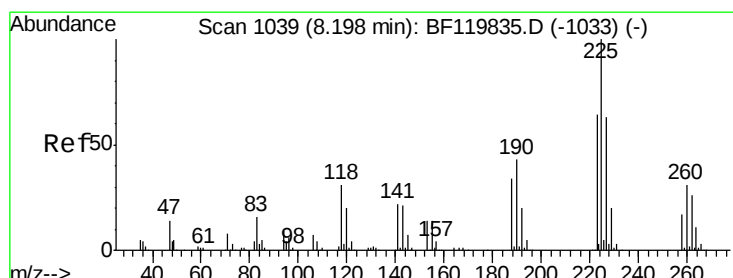
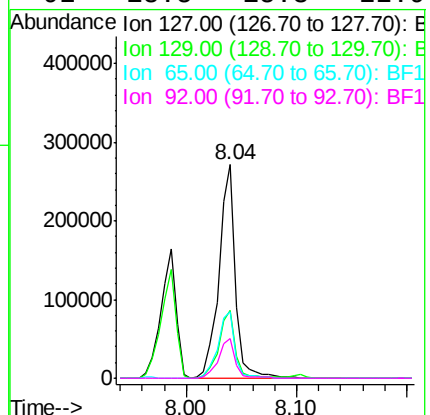
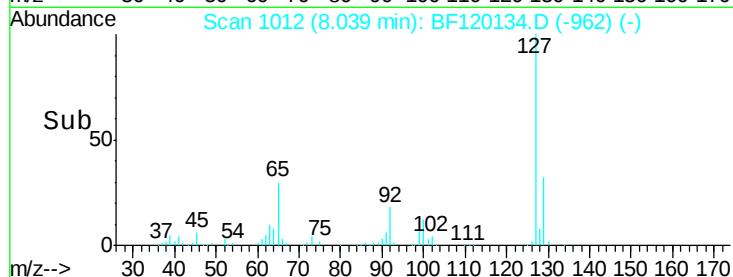
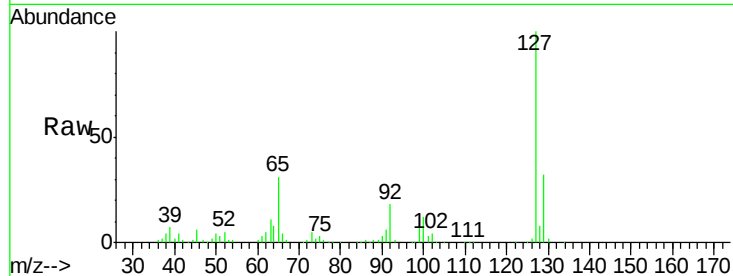
#33
4-Chloroaniline
Concen: 23.90 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	279952		
129	31.8	26.2	39.4	
65	31.2	27.4	41.0	
92	18.5	15.3	22.9	

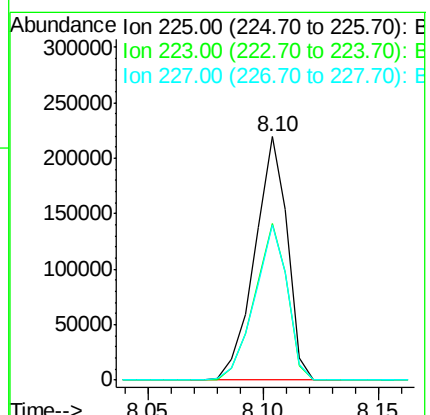
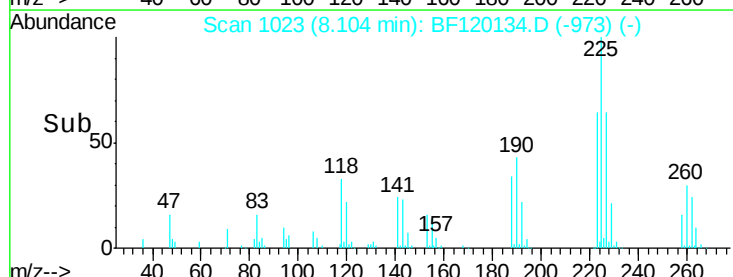
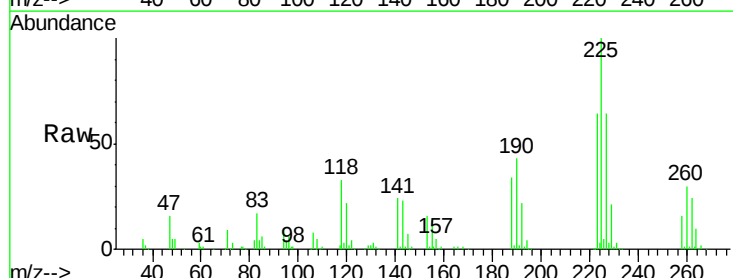
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#34
Hexachlorobutadiene
Concen: 41.48 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	216053		
223	64.1	51.0	76.6	
227	63.8	50.7	76.1	





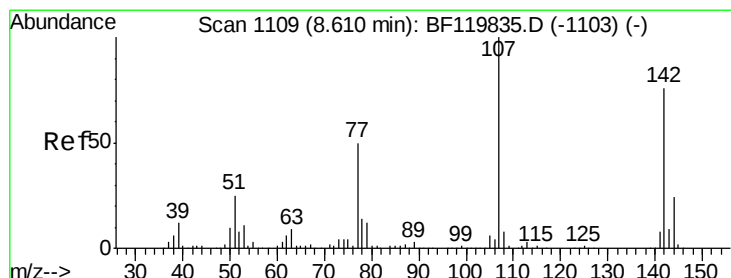
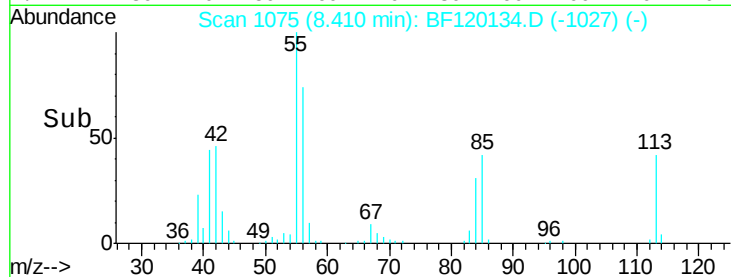
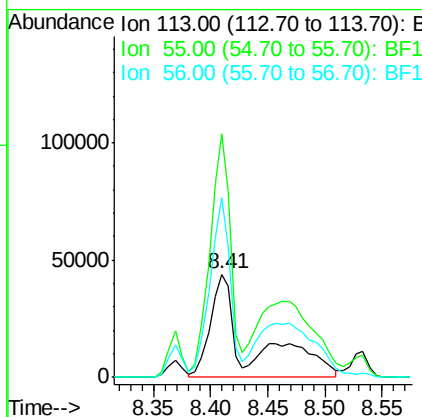
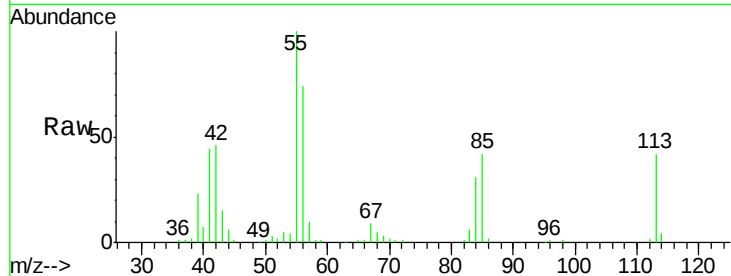
#35
 Caprolactam
 Concen: 45.32 ng m
 RT: 8.41 min Scan# 1075
 Delta R.T. -0.02 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion	Ratio	Lower	Upper
113	100		
55	236.3	218.4	258.4
56	174.7	148.9	188.9

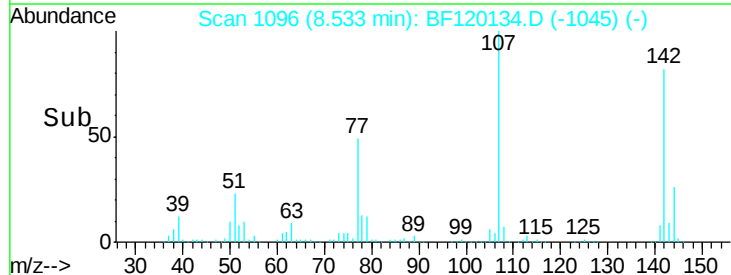
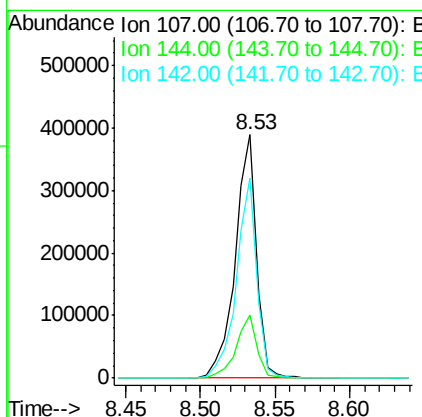
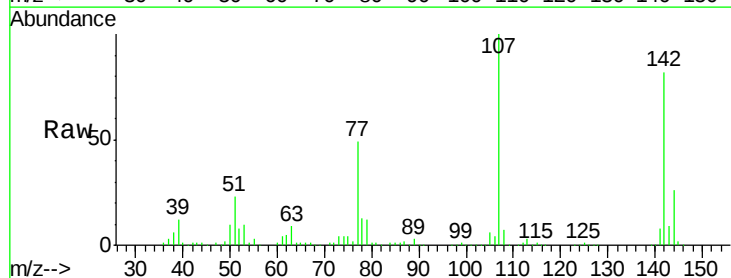
Manual Integrations
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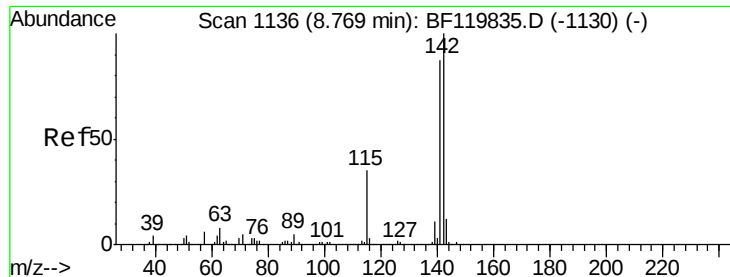
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 46.82 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.0	31.6
142	82.2	64.4	96.6





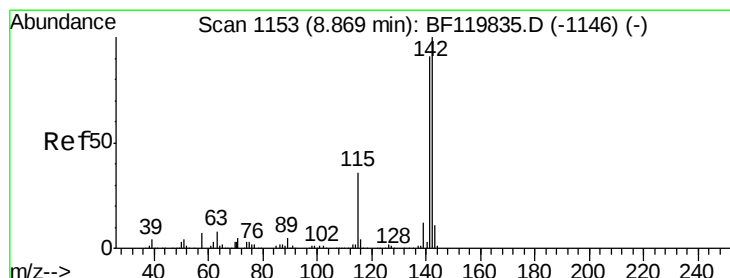
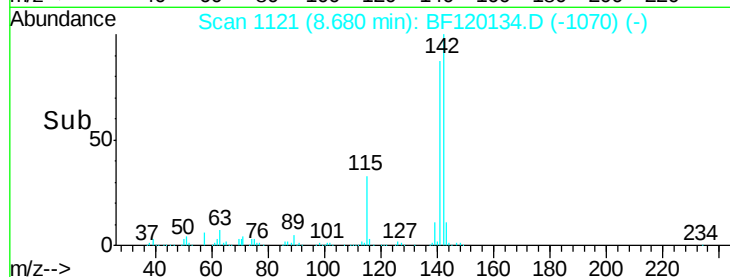
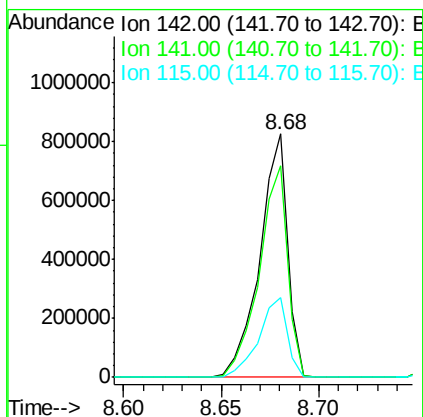
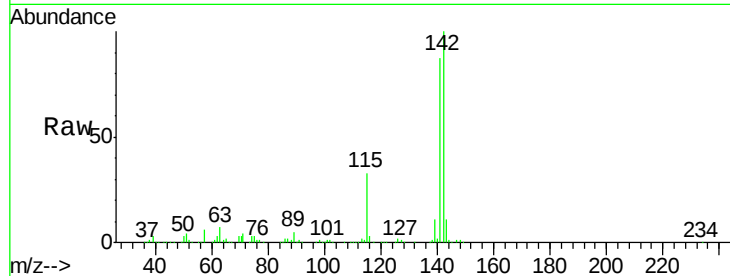
#37
2-Methylnaphthalene
Concen: 44.88 ng
RT: 8.68 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	818501		
141	87.0	71.7	107.5	
115	32.9	27.9	41.9	

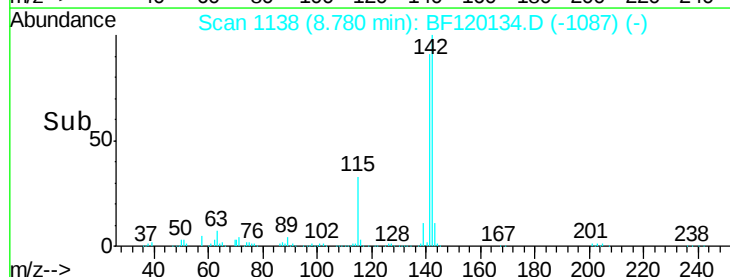
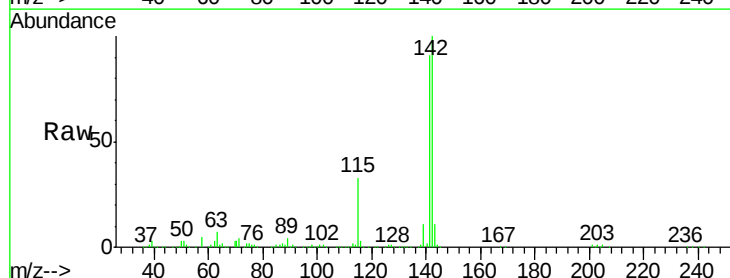
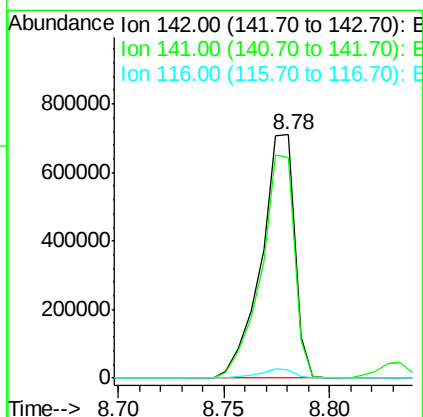
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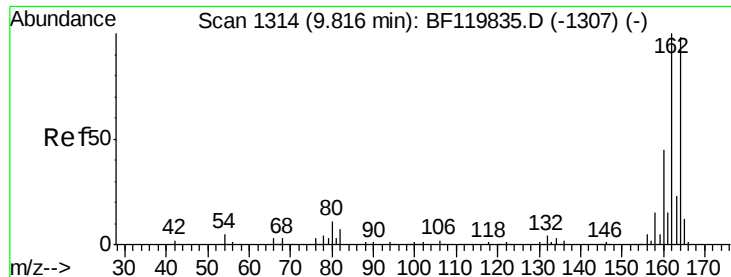
mohammad
4/24/2020 4:18:01 AM



#38
1-Methylnaphthalene
Concen: 45.52 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	782533		
141	90.6	73.7	110.5	
116	3.3	3.0	4.6	





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BF120134.D

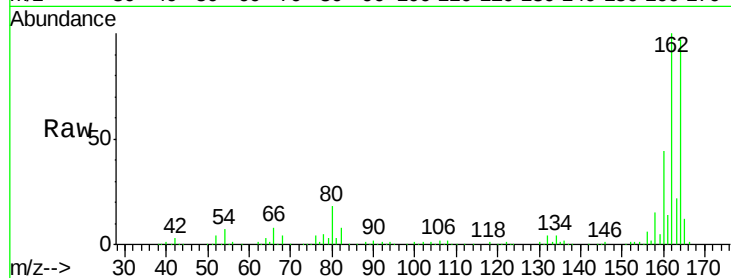
Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

ClientSampleId :

PB128402BSD



Tgt Ion:164 Resp: 264293

Ion Ratio Lower Upper

164 100

162 102.8 80.6 121.0

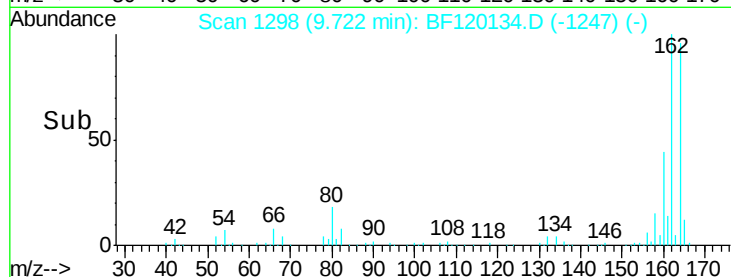
160 44.9 35.7 53.5

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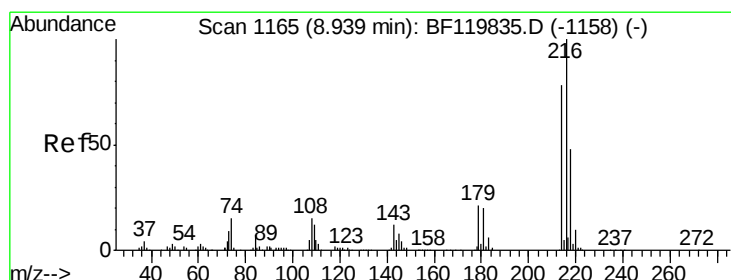
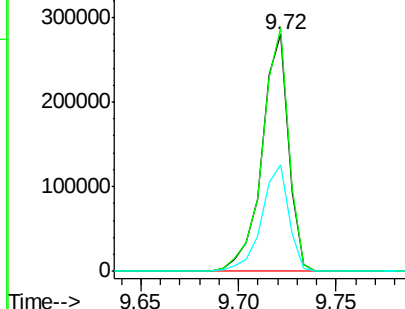
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.59 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Tgt Ion:216 Resp: 363901

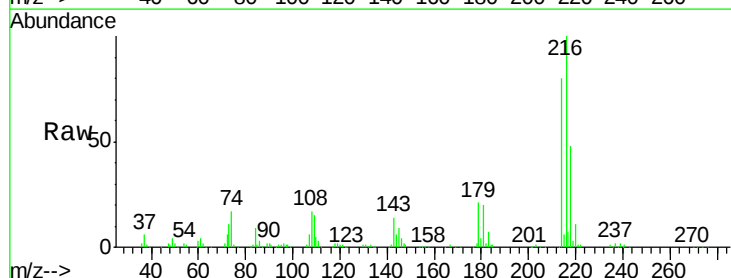
Ion Ratio Lower Upper

216 100

214 79.6 63.2 94.8

179 21.3 17.1 25.7

108 19.4 15.1 22.7

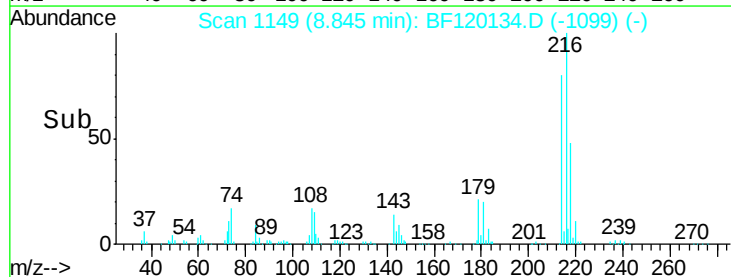
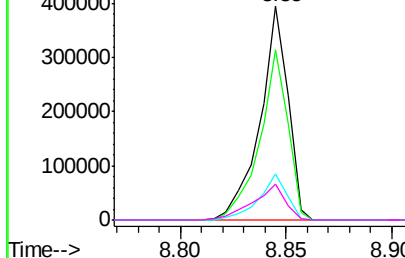


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





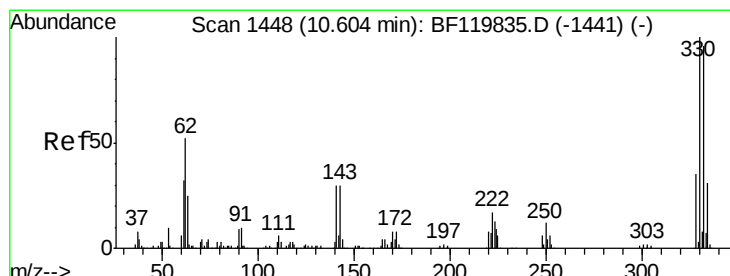
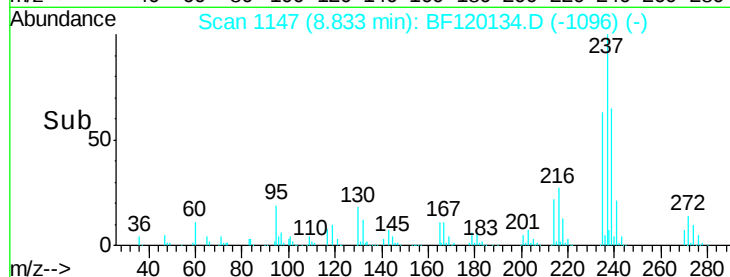
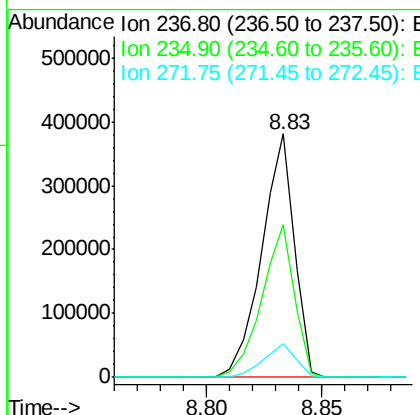
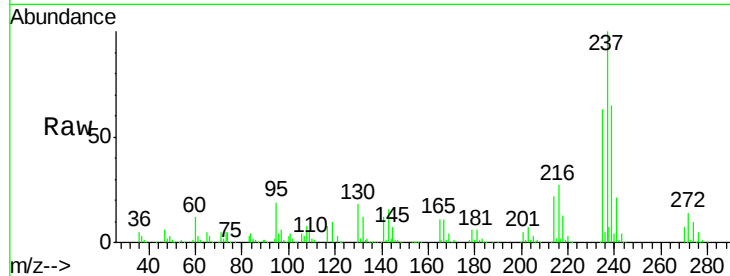
#41
Hexachlorocyclopentadiene
Concen: 78.87 ng
RT: 8.83 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	62.9	43.2	83.2
272	13.9	0.0	34.1

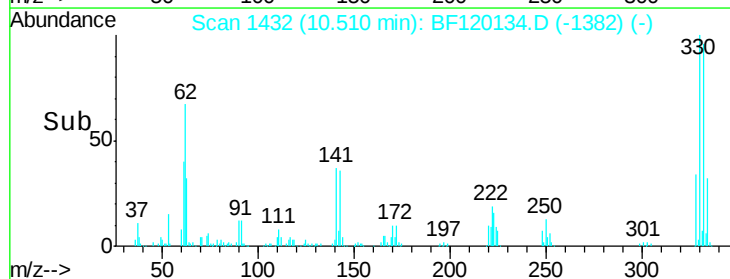
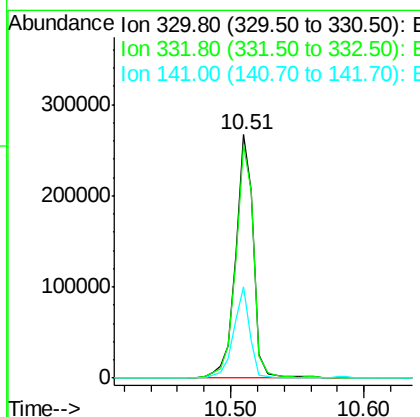
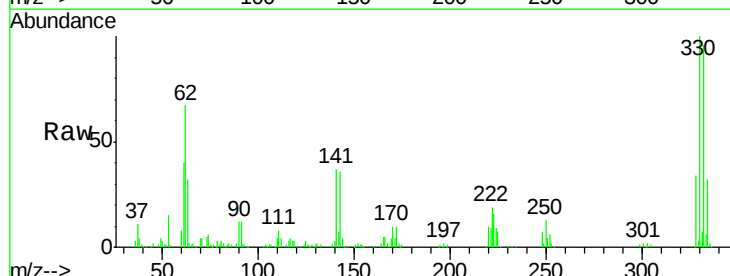
Manual Integrations
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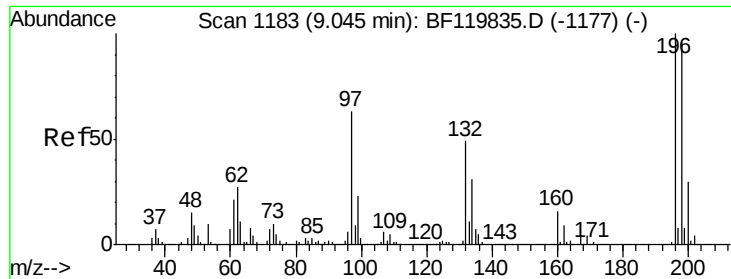
mohammad
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#42
2,4,6-Tribromophenol
Concen: 77.19 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	97.0	75.7	113.5
141	34.7	25.4	38.0





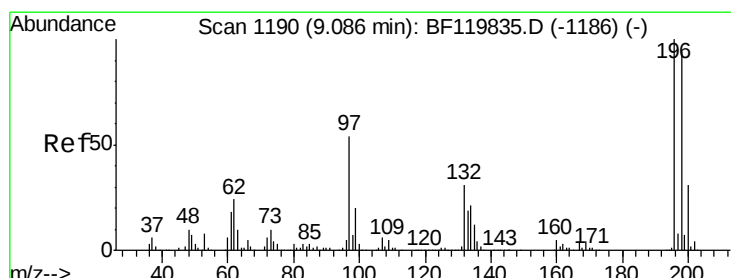
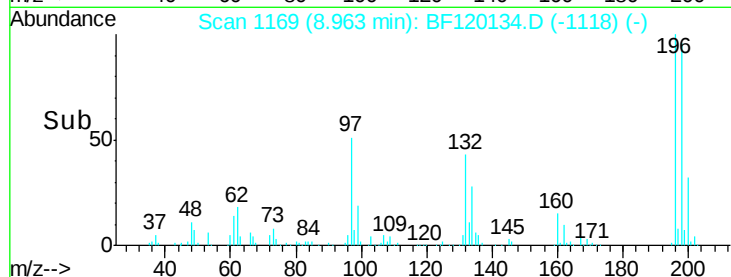
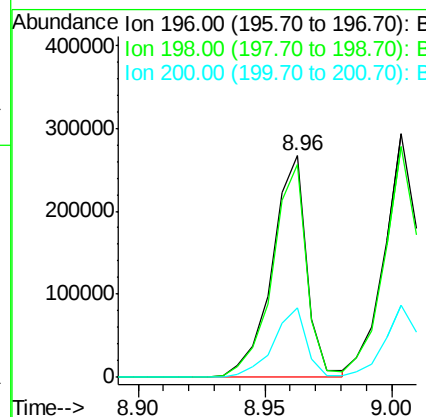
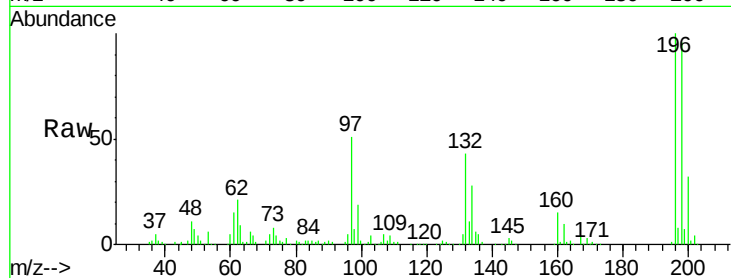
#43
 2,4,6-Trichlorophenol
 Concen: 44.44 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampled :
 PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	256190		
198	96.1	76.6	115.0	
200	31.6	24.6	36.8	

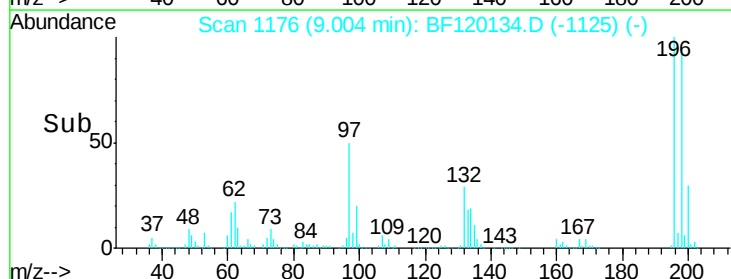
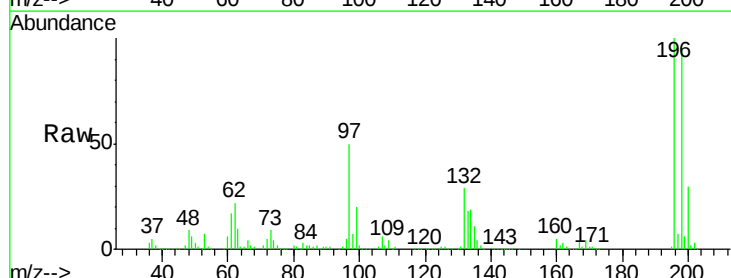
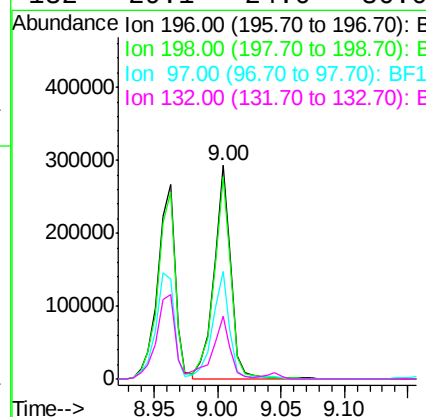
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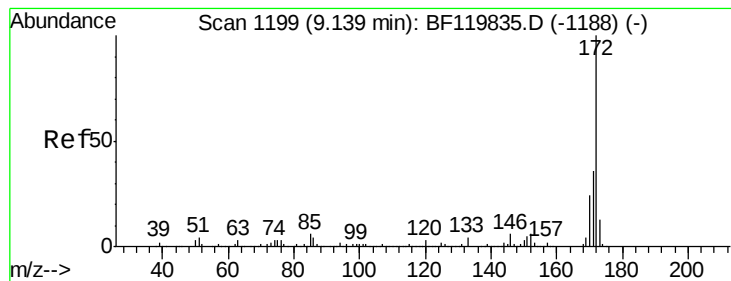
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 42.08 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	273178		
198	94.7	73.8	110.8	
97	50.1	42.6	63.8	
132	29.1	24.0	36.0	





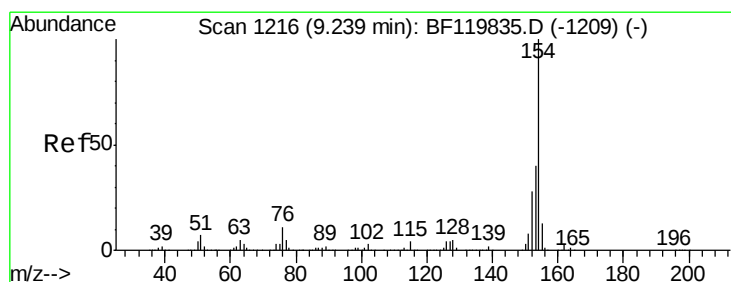
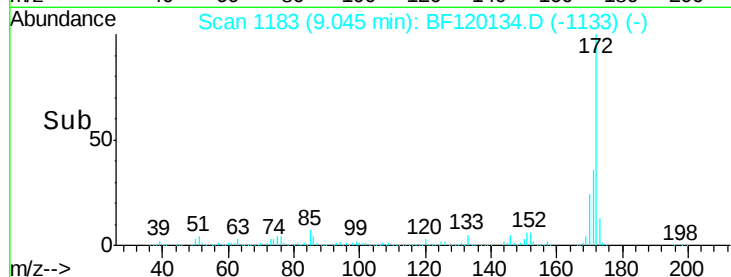
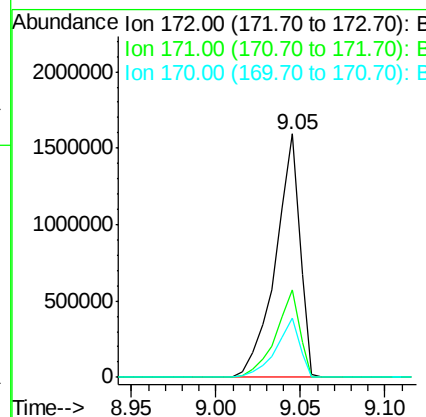
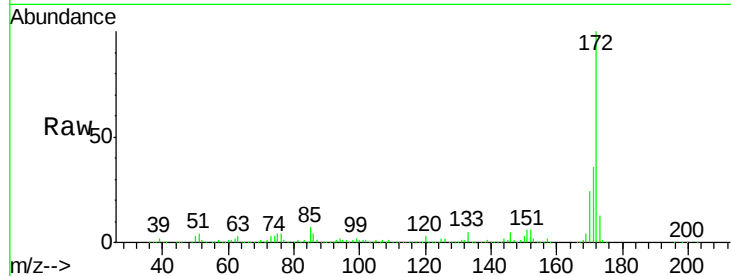
#45
2-Fluorobiphenyl
Concen: 85.56 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion:172 Resp: 1592710
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 24.1 20.2 30.2

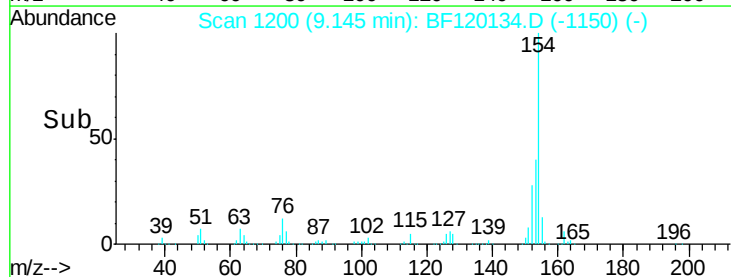
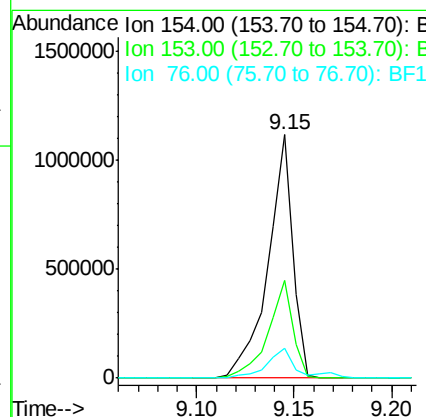
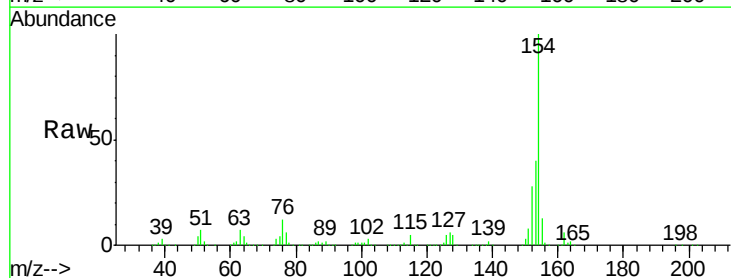
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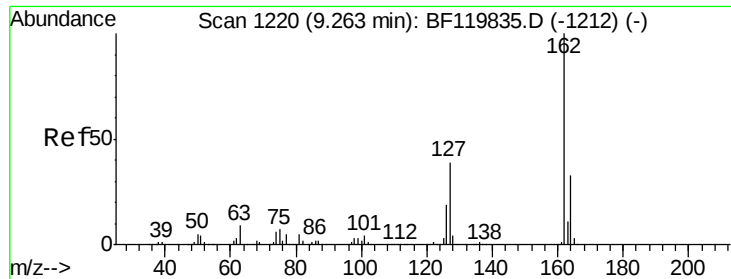
mohammad
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#46
1,1'-Biphenyl
Concen: 44.24 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion:154 Resp: 986879
Ion Ratio Lower Upper
154 100
153 40.1 21.4 61.4
76 12.4 0.0 33.0





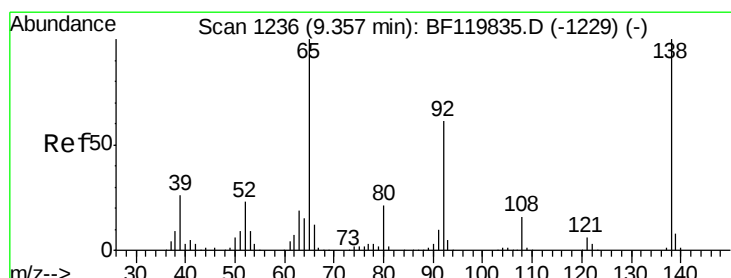
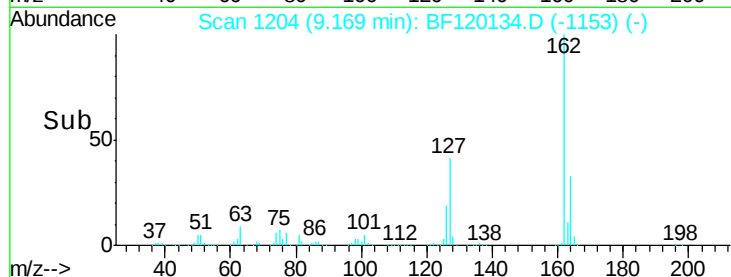
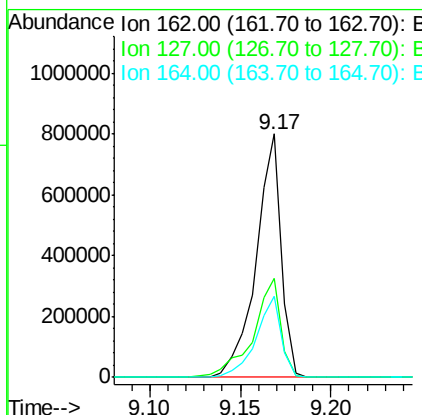
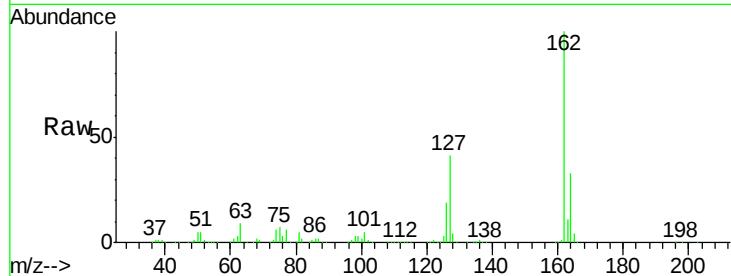
#47
 2-Chloronaphthalene
 Concen: 44.72 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleID :
 PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	768545		
127	40.7	33.7	50.5	
164	33.1	26.3	39.5	

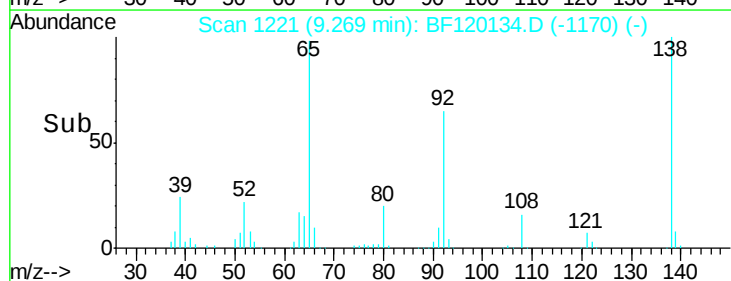
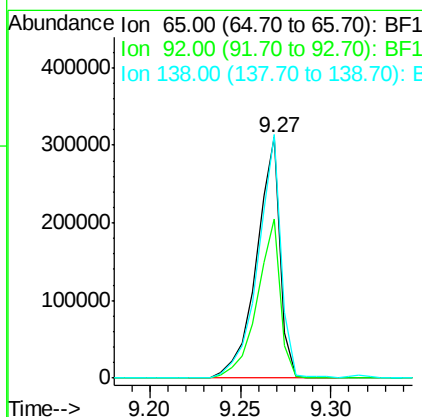
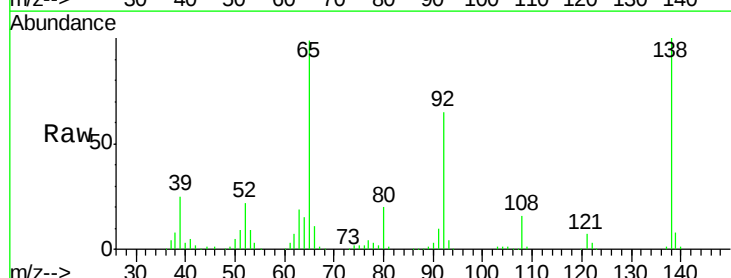
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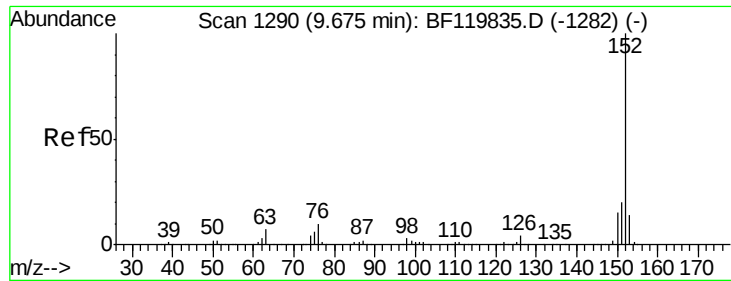
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#48
 2-Nitroaniline
 Concen: 44.87 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	279444		
92	66.2	50.0	75.0	
138	101.3	75.0	112.4	





#49

Acenaphthylene

Concen: 46.80 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

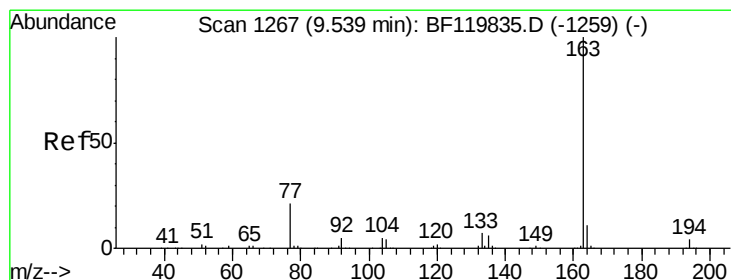
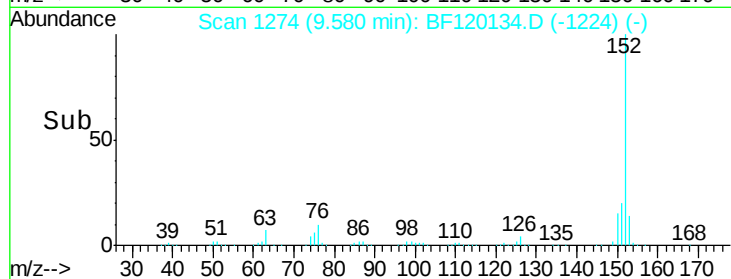
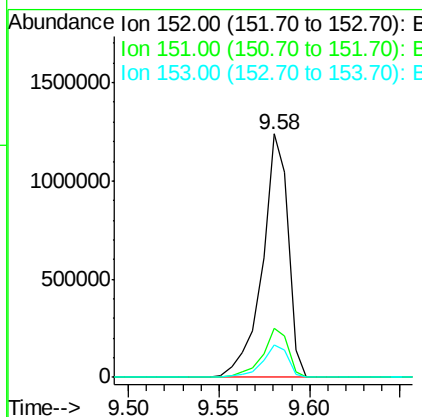
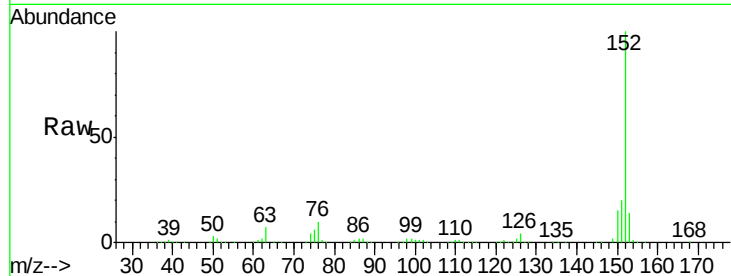
ClientSampleId :

PB128402BSD

Tgt Ion:	152	Resp:	1223216
Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.2	25.8
153	13.5	11.2	16.8

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#50

Dimethylphthalate

Concen: 44.29 ng

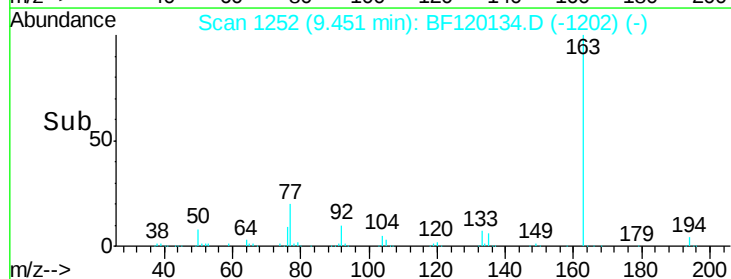
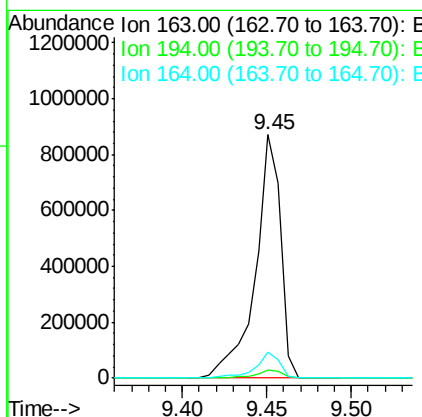
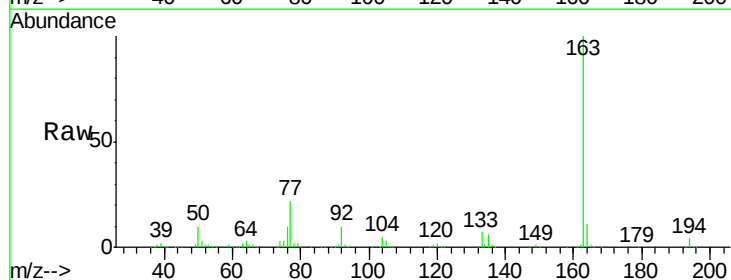
RT: 9.45 min Scan# 1252

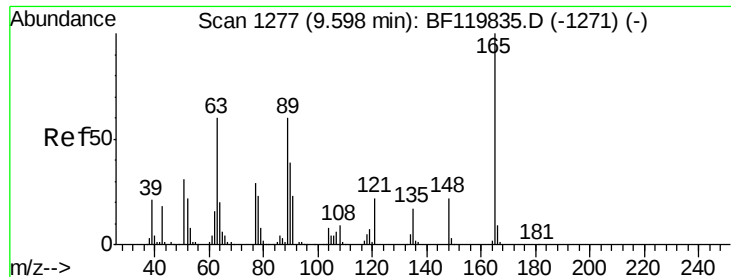
Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Tgt Ion:	163	Resp:	905356
Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.7	8.2	12.2





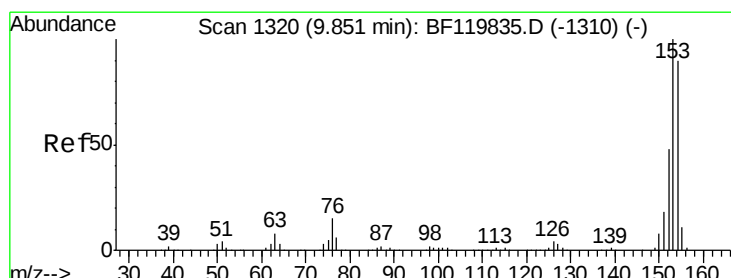
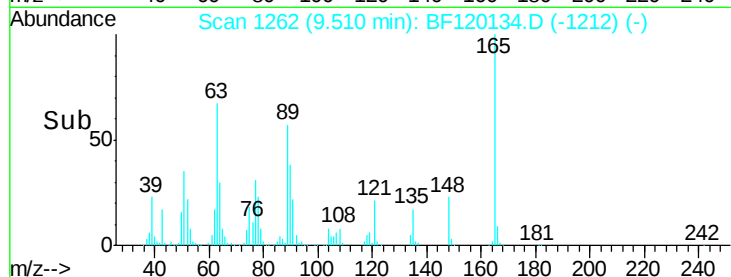
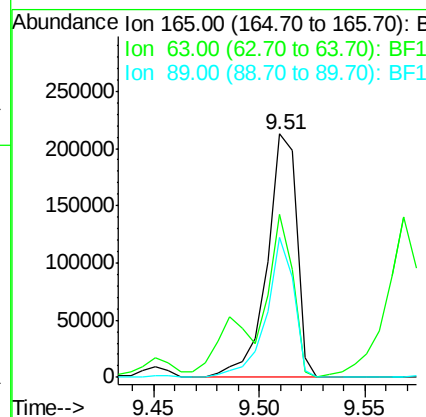
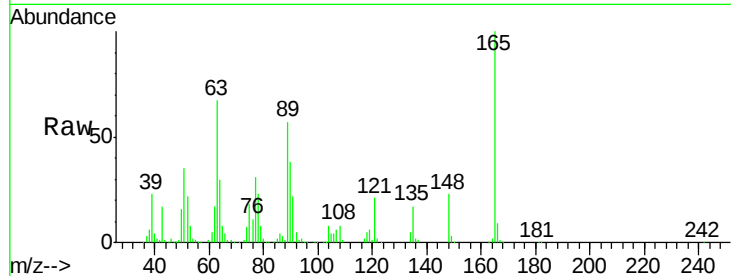
#51
 2,6-Dinitrotoluene
 Concen: 46.67 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	208944		
63	66.8	45.0	67.4	
89	57.4	41.5	62.3	

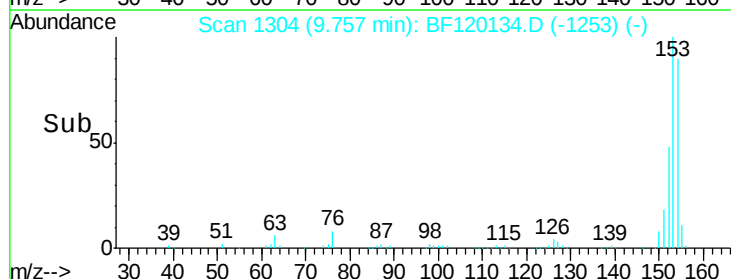
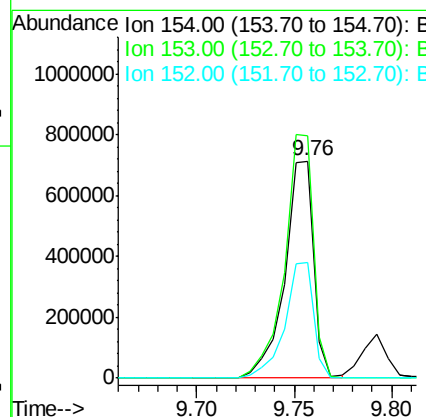
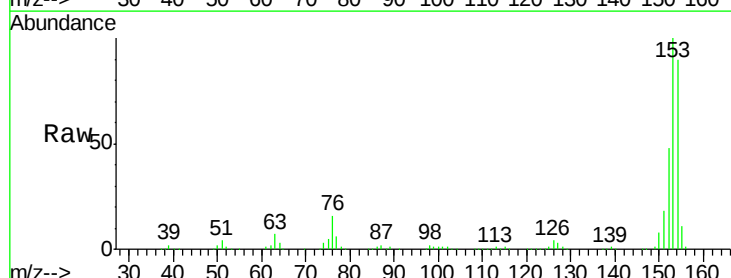
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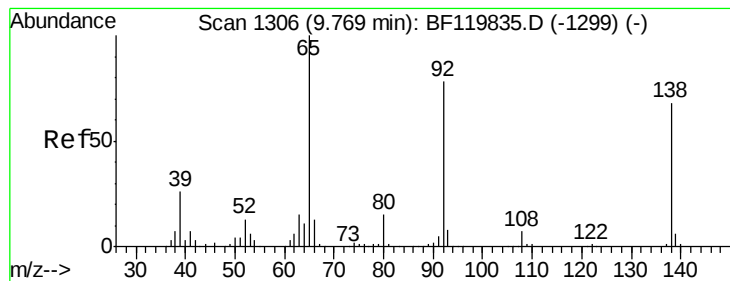
mohammad
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#52
 Acenaphthene
 Concen: 42.14 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	734633		
153	111.5	88.1	132.1	
152	53.0	43.0	64.4	





#53

3-Nitroaniline

Concen: 29.07 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

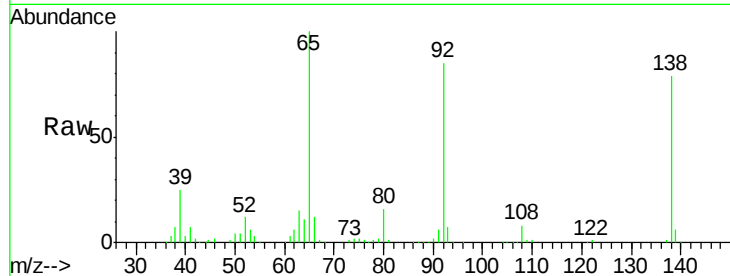
ClientSampleId :

PB128402BSD

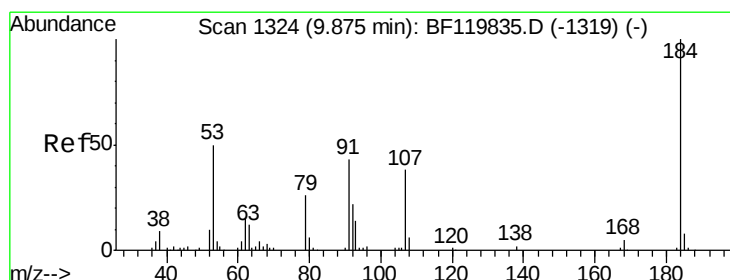
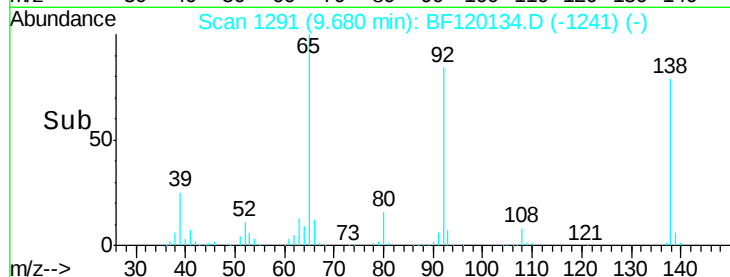
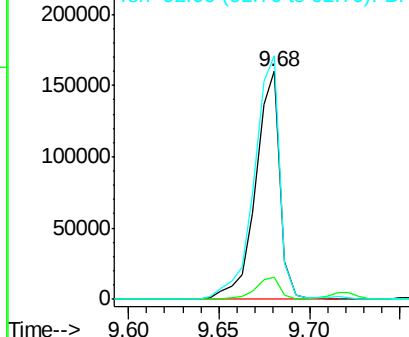
Tgt Ion:	138	Resp:	148631
Ion Ratio	Lower	Upper	
138	100		
108	9.6	8.6	13.0
92	106.8	95.4	143.0

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Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 88.73 ng

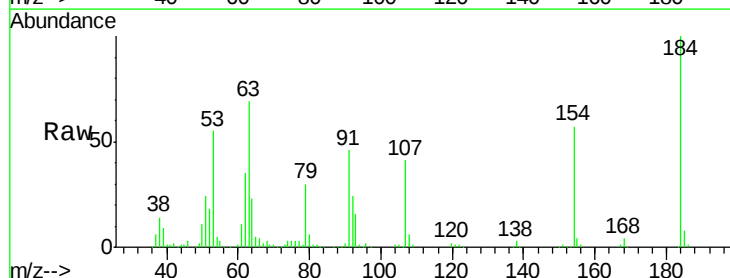
RT: 9.79 min Scan# 1310

Delta R.T. 0.00 min

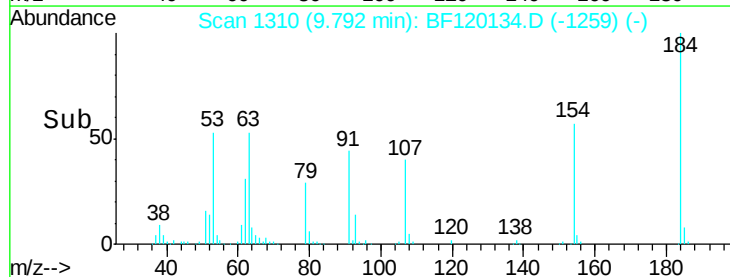
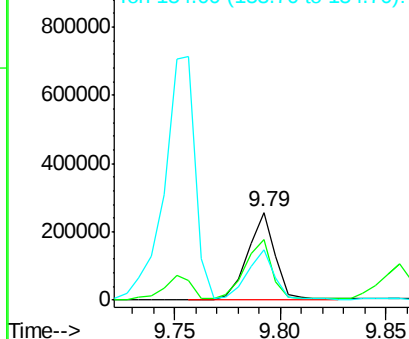
Lab File: BF120134.D

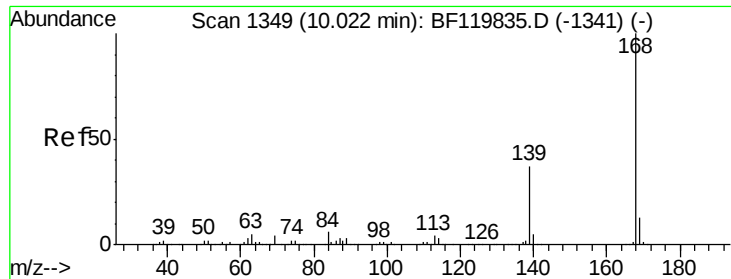
Acq: 22 Apr 2020 16:37

Tgt Ion:	184	Resp:	237814
Ion Ratio	Lower	Upper	
184	100		
63	69.5	50.2	75.4
154	56.6	44.5	66.7



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





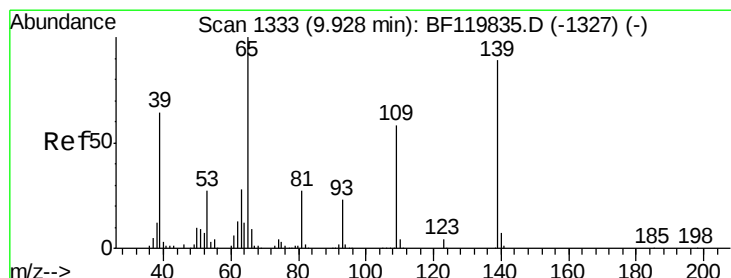
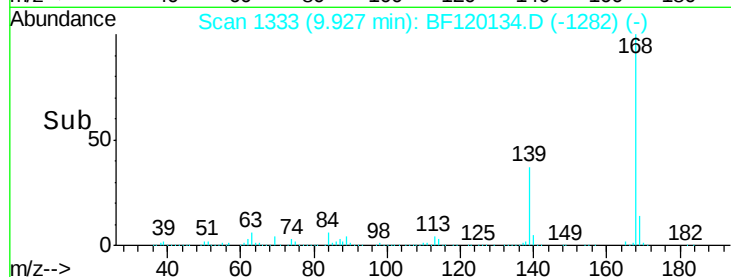
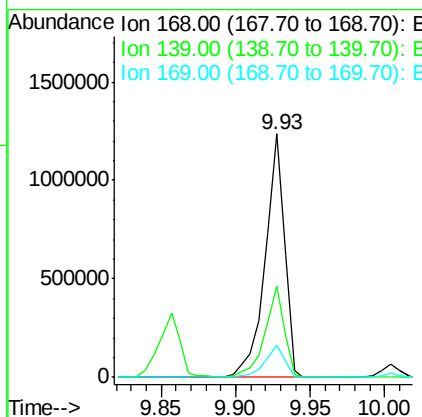
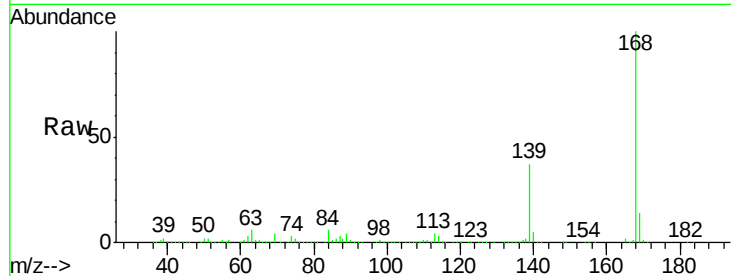
#55
Dibenzofuran
Concen: 45.91 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion:168 Resp: 1098394
Ion Ratio Lower Upper
168 100
139 37.4 30.1 45.1
169 13.6 11.0 16.6

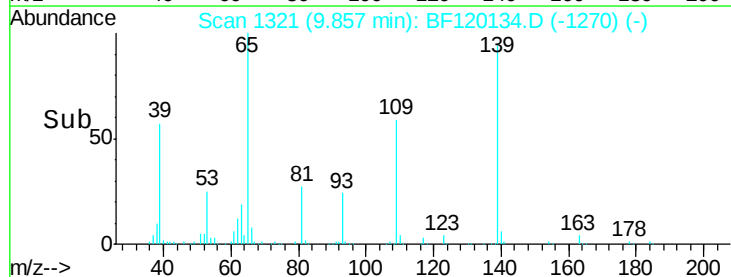
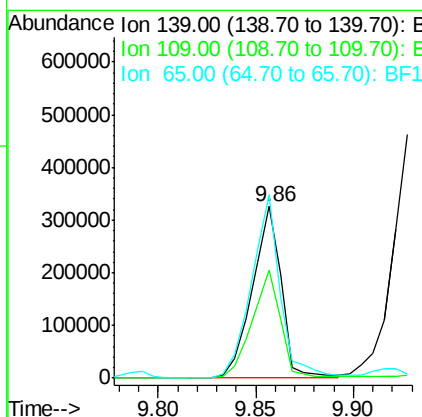
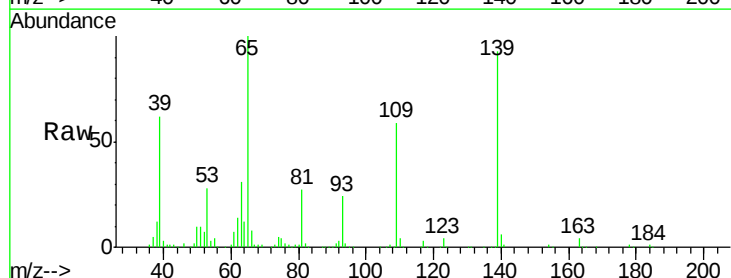
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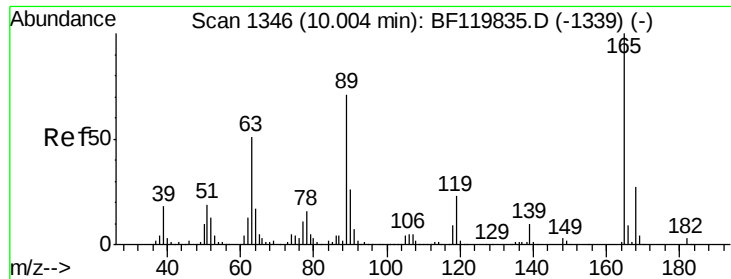
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#56
4-Nitrophenol
Concen: 87.65 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion:139 Resp: 333445
Ion Ratio Lower Upper
139 100
109 63.0 43.3 83.3
65 107.2 91.0 131.0





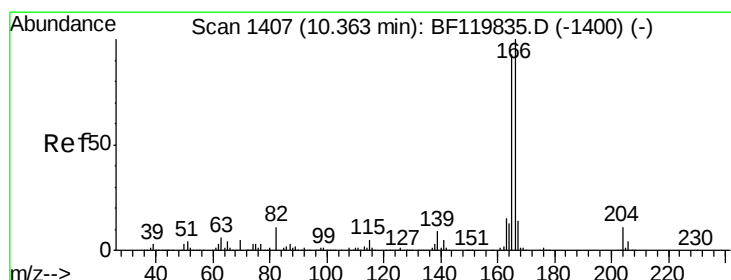
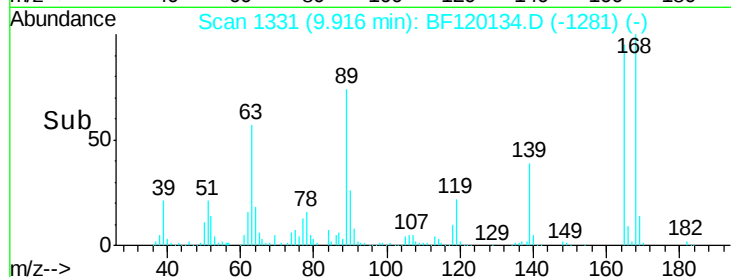
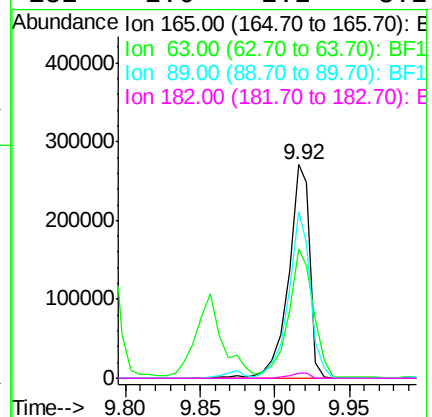
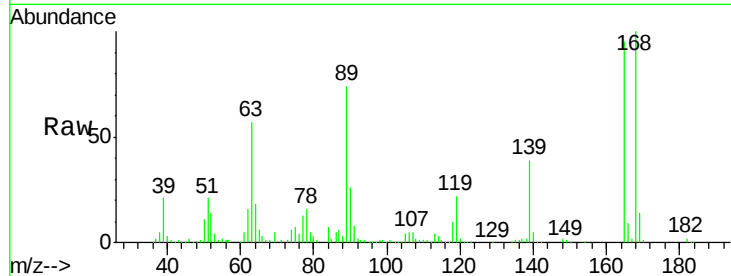
#57
2,4-Dinitrotoluene
Concen: 46.32 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	60.4	42.6	64.0
89	77.8	61.0	91.4
182	2.6	2.2	3.2

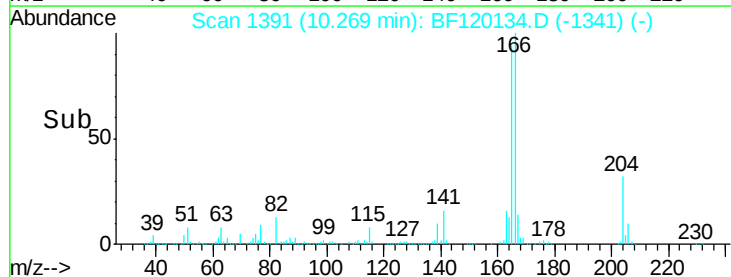
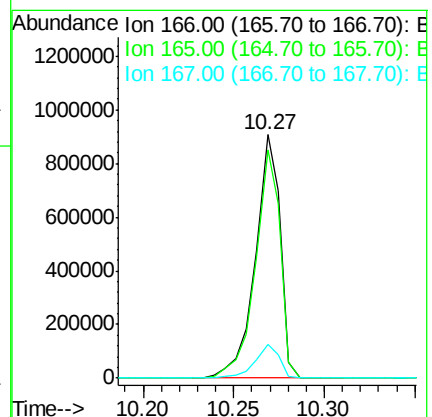
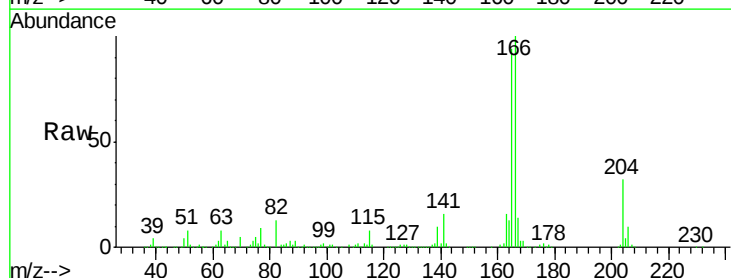
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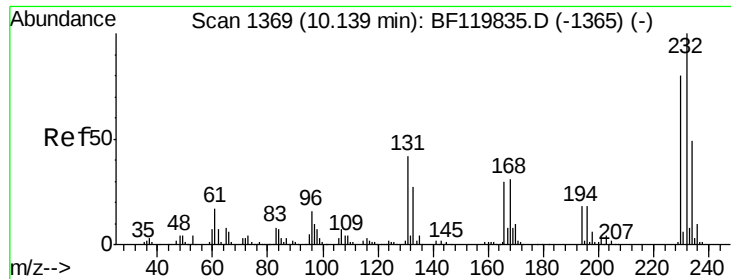
mohammad
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#58
Fluorene
Concen: 45.23 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	93.5	75.4	113.2
167	13.7	11.2	16.8





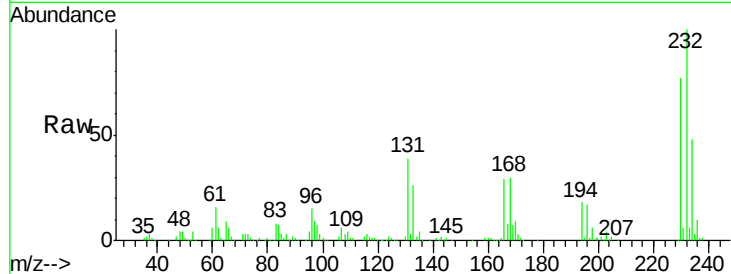
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.96 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

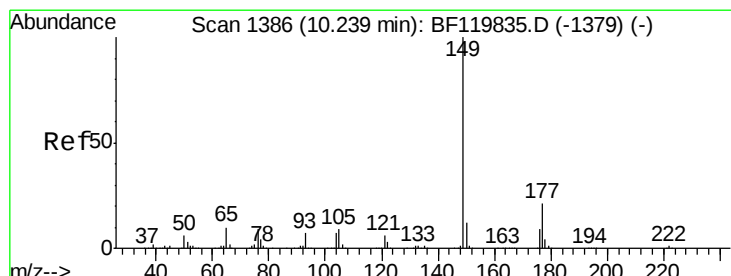
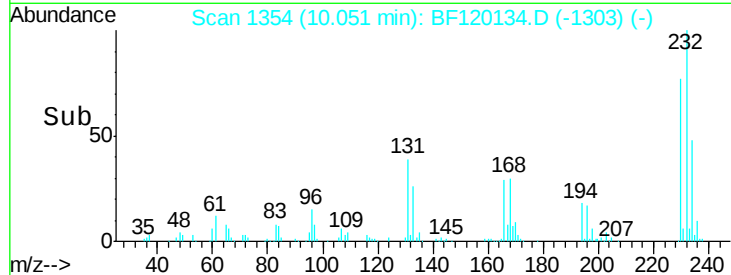
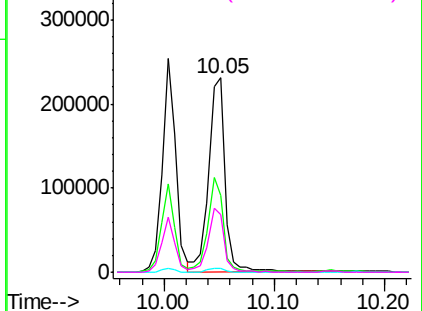
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	233201		
131	44.6	37.5	56.3	
130	2.2	1.8	2.6	
166	30.7	24.6	36.8	

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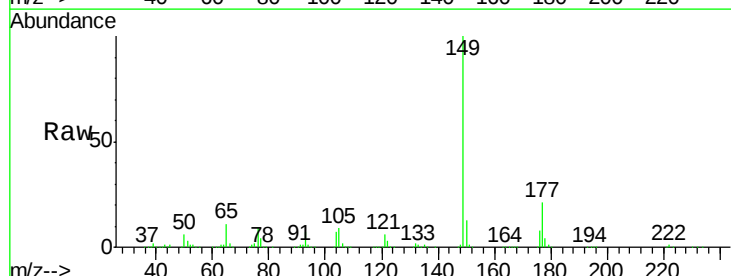


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

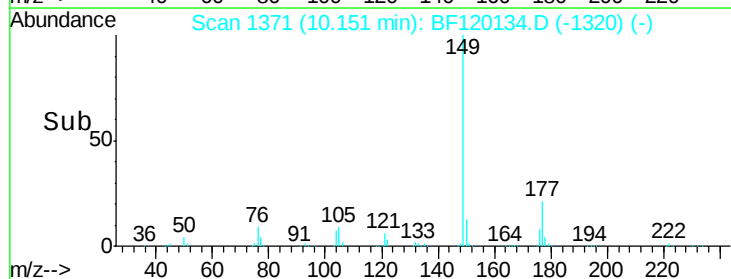
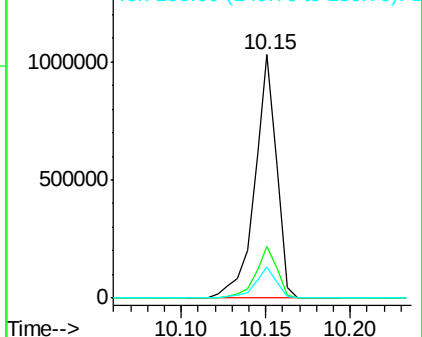


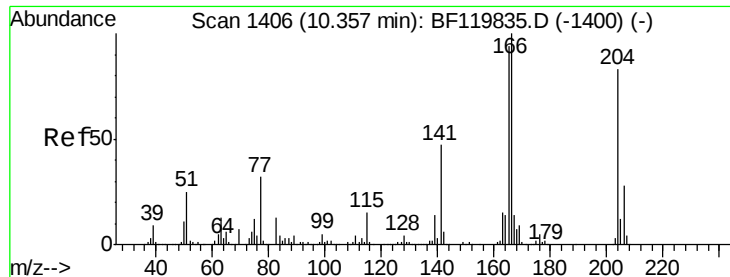
#60
Diethylphthalate
Concen: 43.40 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	919461		
177	21.1	17.0	25.6	
150	13.0	10.1	15.1	



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





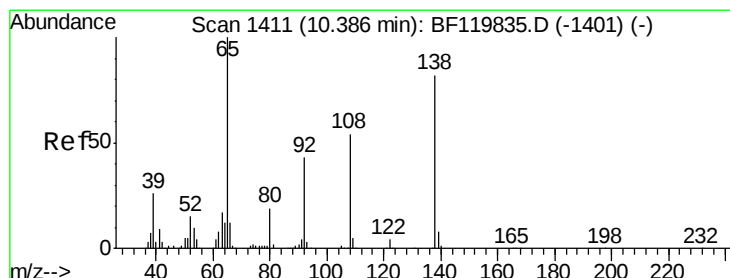
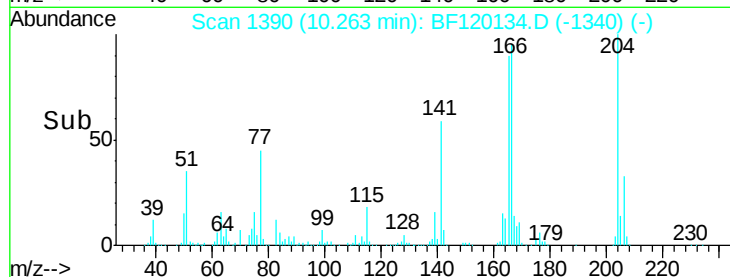
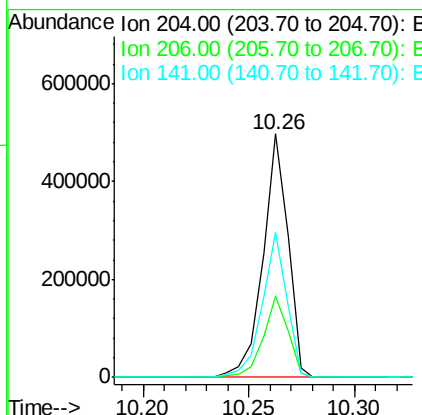
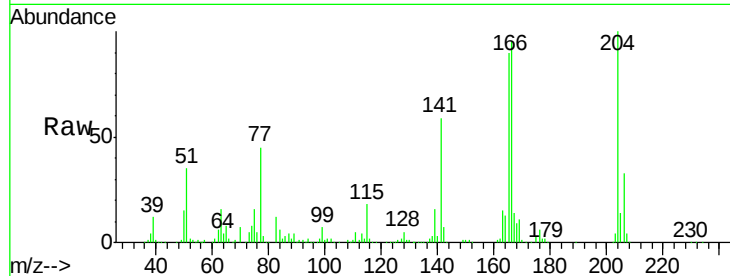
#61
4-Chlorophenyl-phenylether
Concen: 41.83 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	410148		
206	33.1	26.7	40.1	
141	59.4	47.3	70.9	

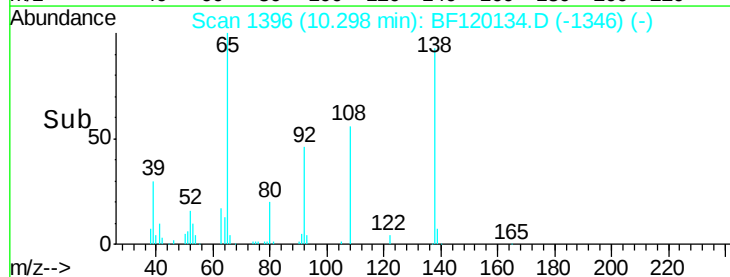
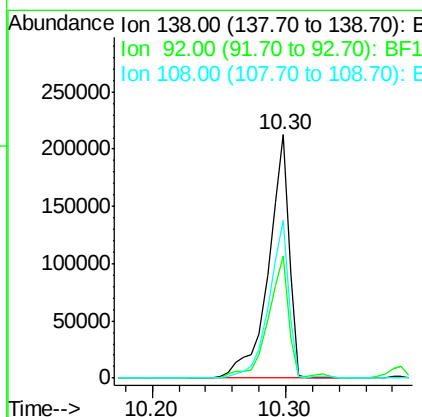
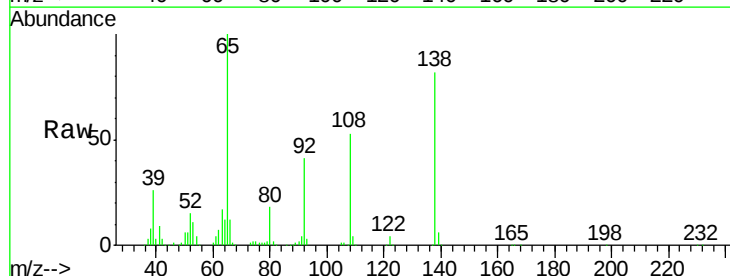
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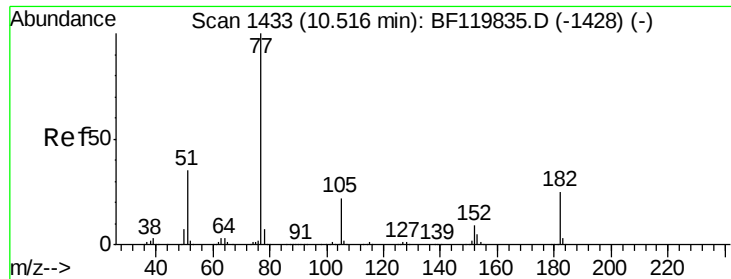
mohammad
4/24/2020 4:18:01 AM



#62
4-Nitroaniline
Concen: 46.91 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	228578		
92	50.0	31.5	71.5	
108	64.8	45.8	85.8	





#63

Azobenzene

Concen: 46.59 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

ClientSampleId :

PB128402BSD

Tgt Ion: 77 Resp: 884583

Ion Ratio Lower Upper

77 100

182 22.9 4.4 44.4

105 21.5 2.6 42.6

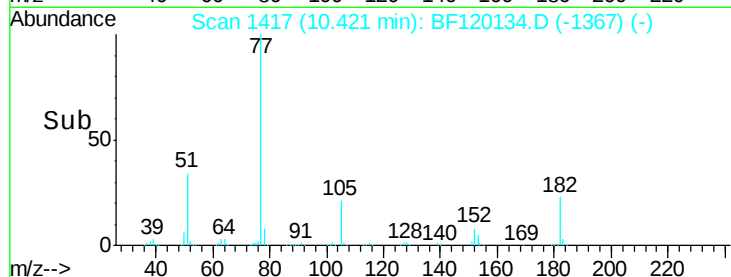
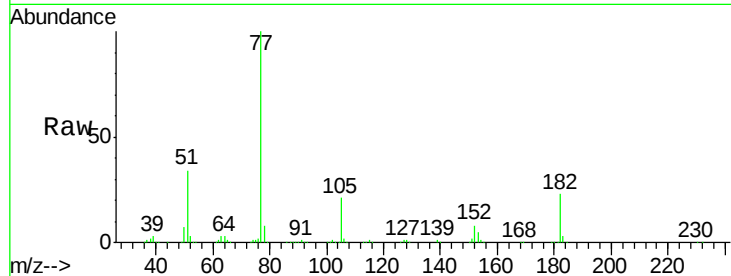
51 34.2 15.1 55.1

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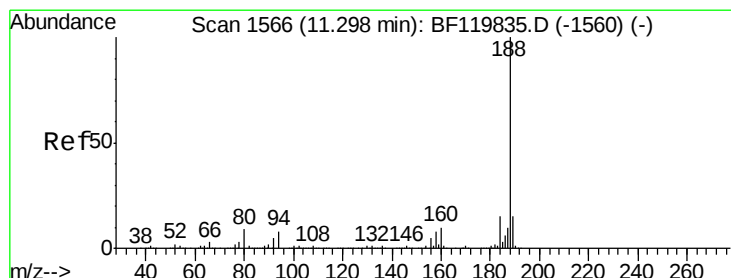
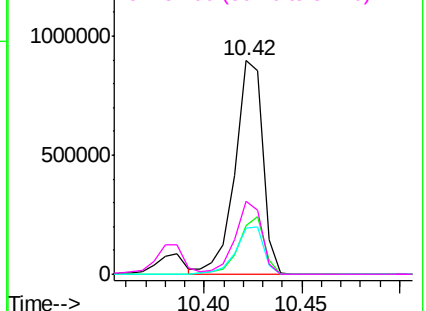


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

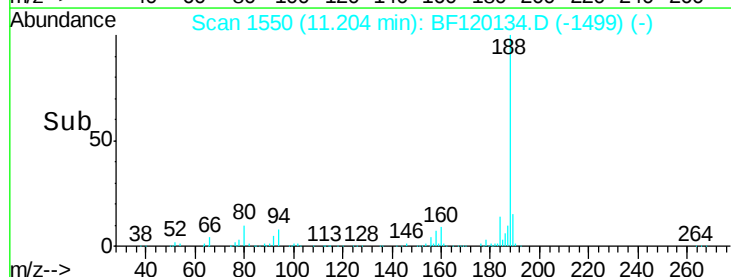
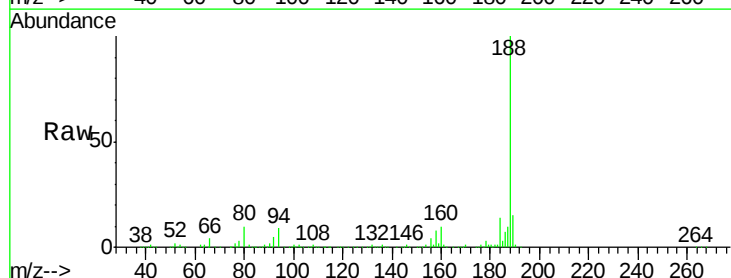
Tgt Ion: 188 Resp: 512693

Ion Ratio Lower Upper

188 100

94 9.4 7.5 11.3

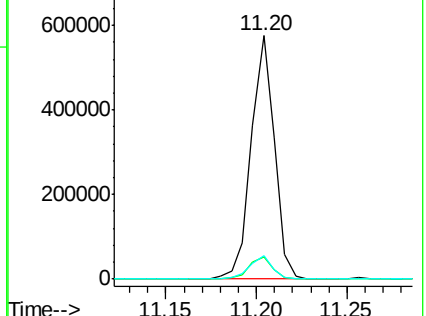
80 9.6 9.0 13.4

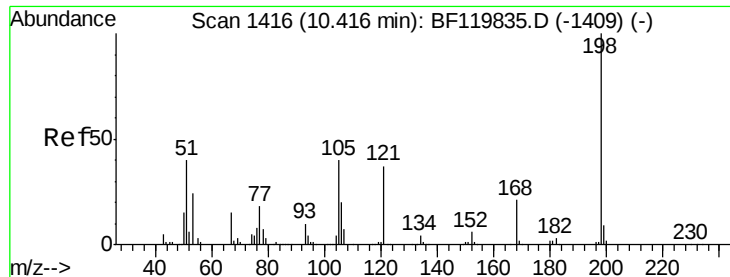


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





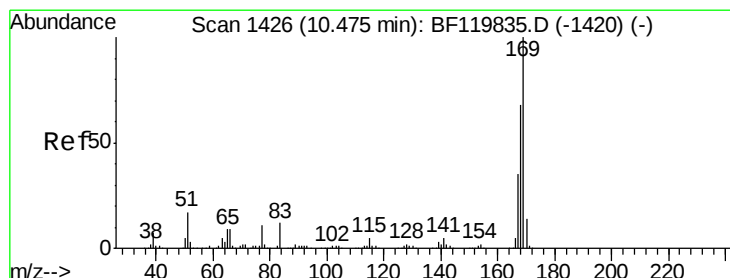
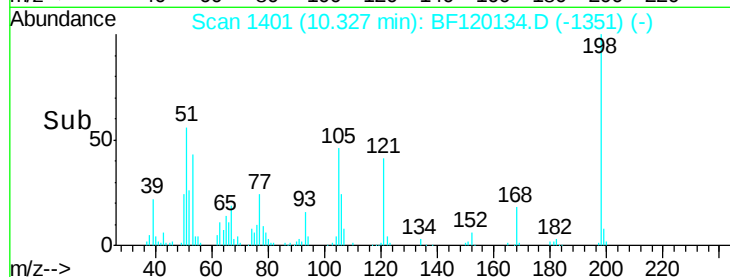
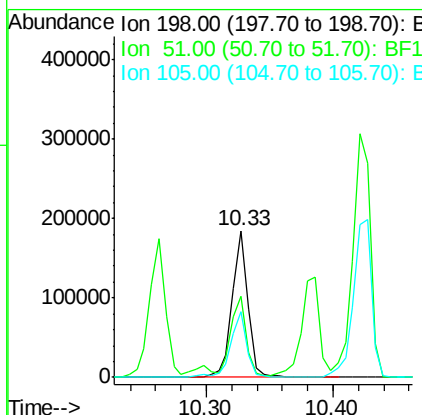
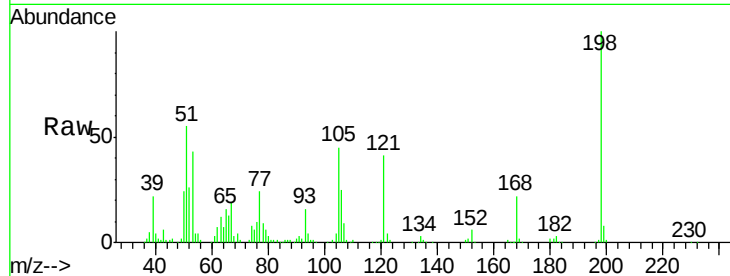
#65
 4,6-Dinitro-2-methylphenol
 Concen: 46.51 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion	Ratio	Lower	Upper
198	100		
51	55.3	29.0	69.0
105	45.3	22.2	62.2

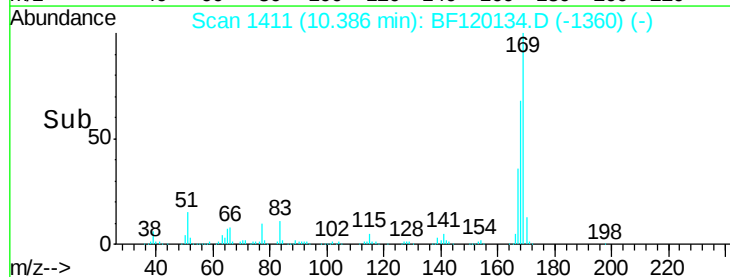
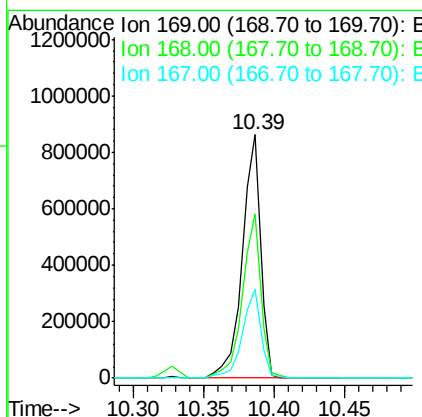
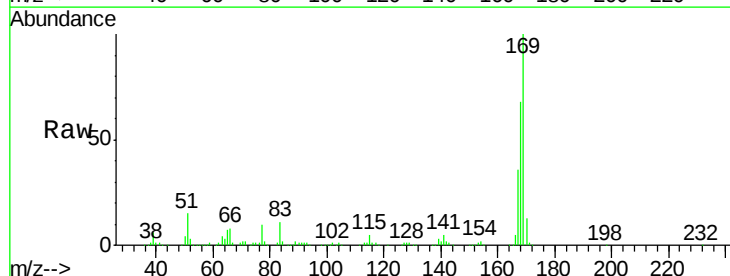
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#66
 n-Nitrosodiphenylamine
 Concen: 45.89 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.7	53.2	79.8
167	36.2	29.1	43.7





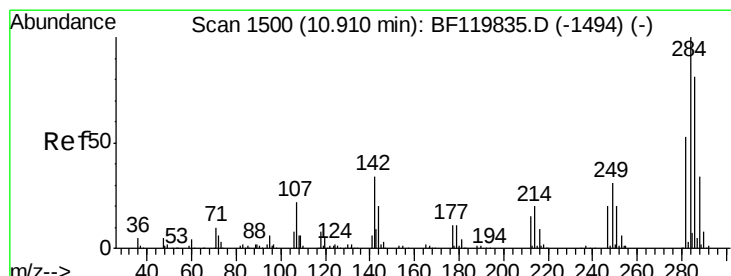
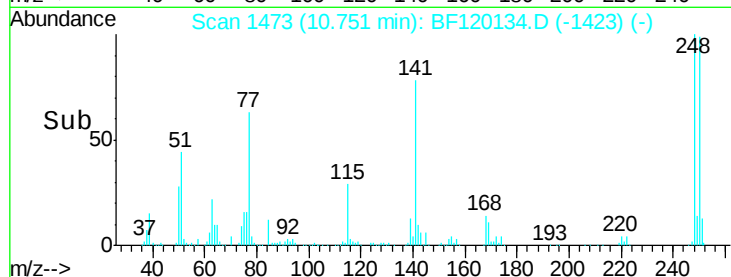
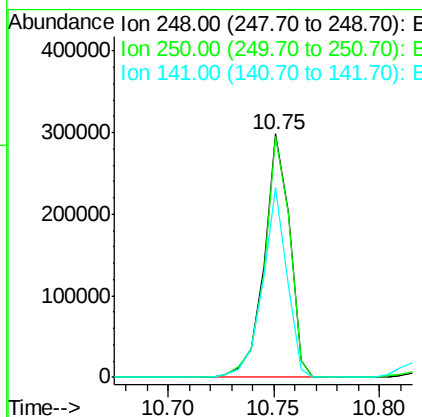
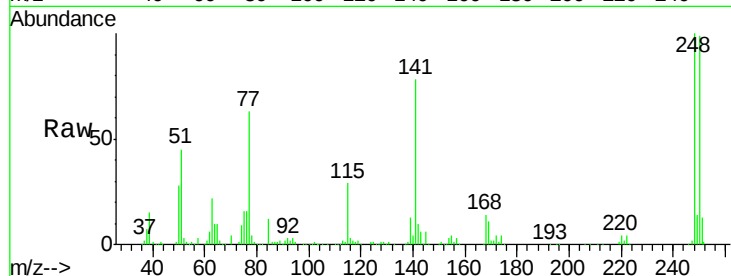
#67
 4-Bromophenyl-phenylether
 Concen: 39.29 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	250503		
250	98.9	77.3	115.9	
141	77.9	58.6	87.8	

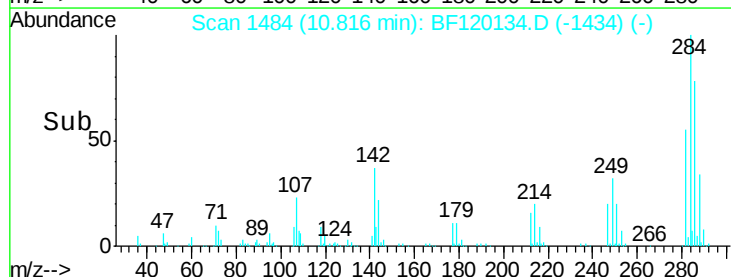
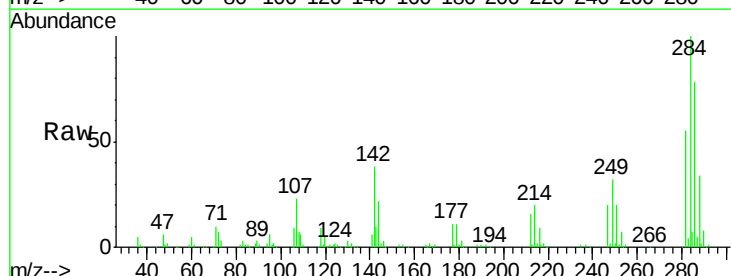
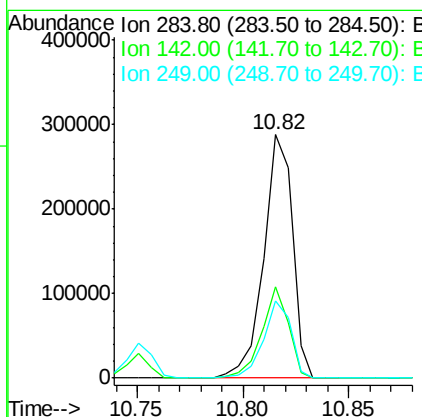
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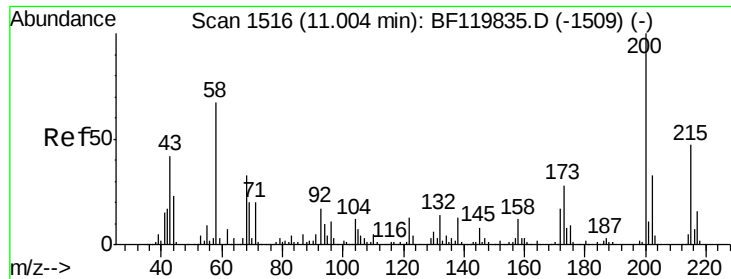
mohammad
 4/24/2020 4:18:01 AM



#68
 Hexachlorobenzene
 Concen: 42.33 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	273774		
142	37.6	29.2	43.8	
249	31.7	25.1	37.7	





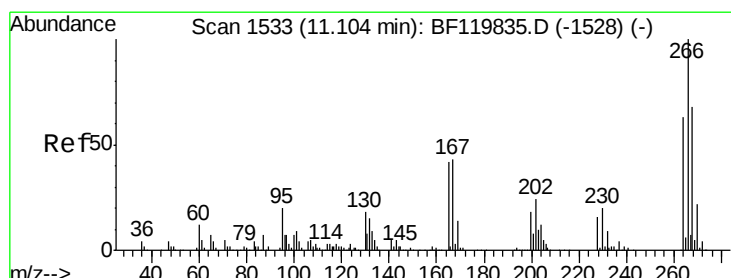
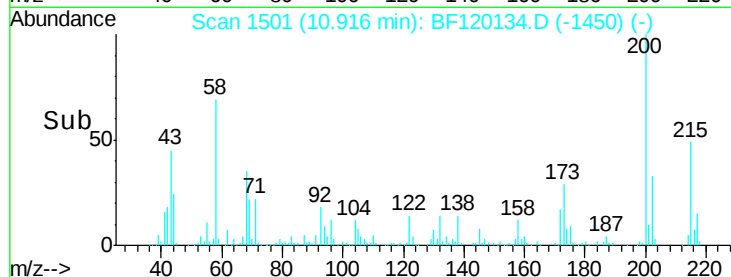
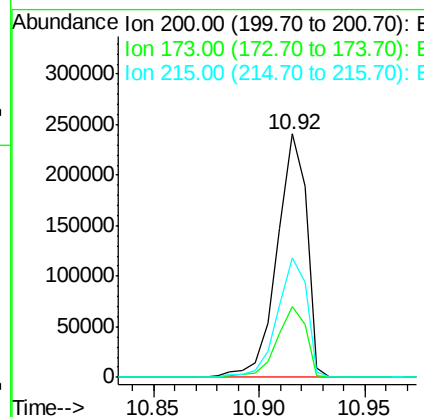
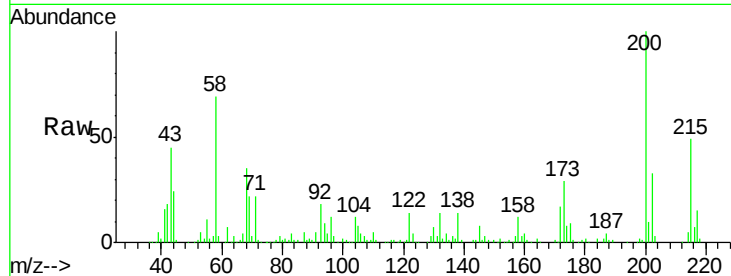
#69
 Atrazine
 Concen: 49.80 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	236234		
173	29.0	9.3	49.3	
215	48.9	29.5	69.5	

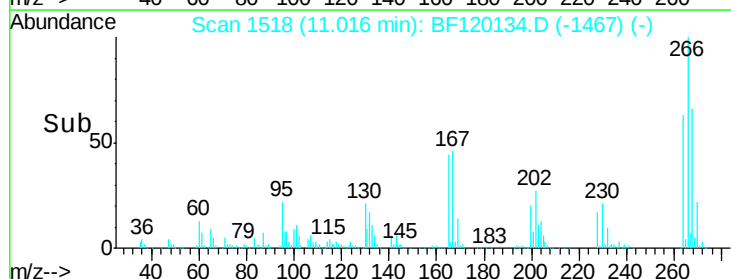
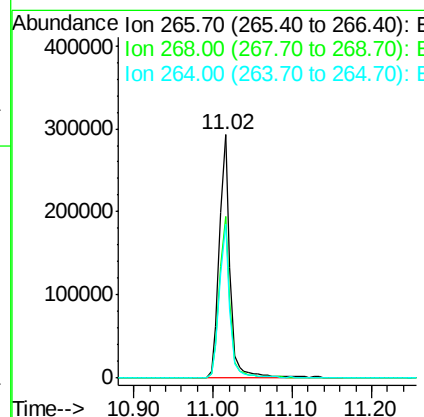
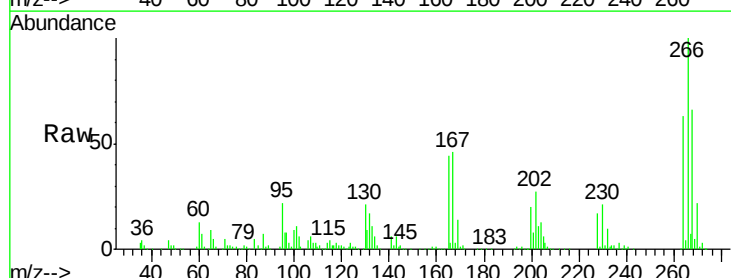
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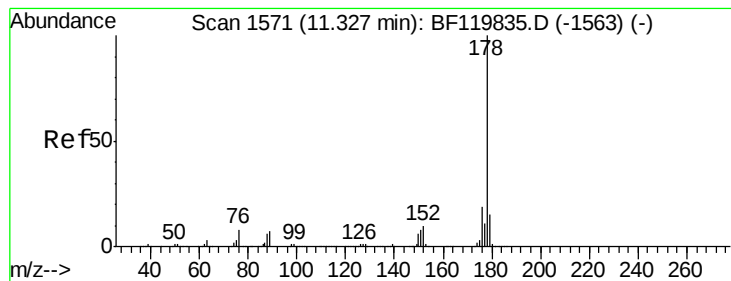
mohammad
 4/24/2020 4:18:01 AM



#70
 Pentachlorophenol
 Concen: 74.85 ng
 RT: 11.02 min Scan# 1518
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	278997		
268	66.4	53.3	79.9	
264	63.4	49.0	73.4	





#71

Phenanthrene

Concen: 46.06 ng

RT: 11.23 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

ClientSampleId :

PB128402BSD

Tgt Ion:178 Resp: 1256752

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

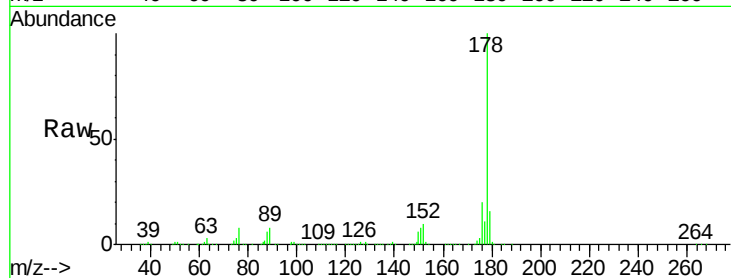
179 15.8 13.2 19.8

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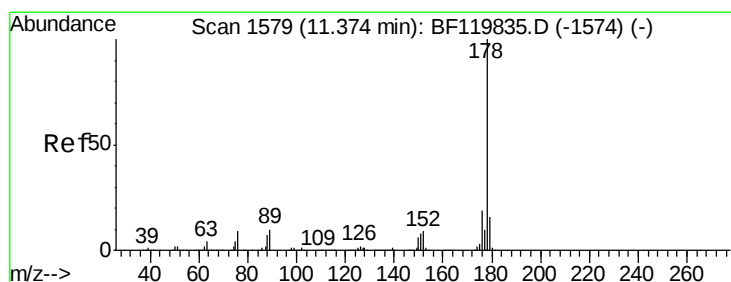
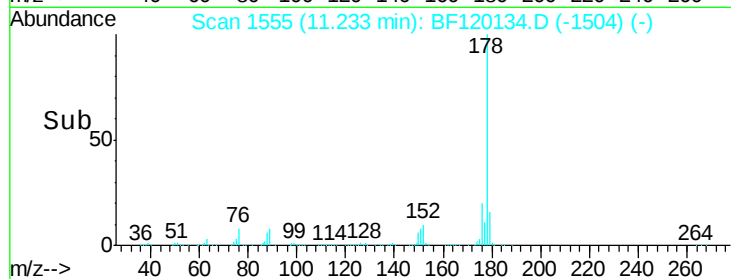
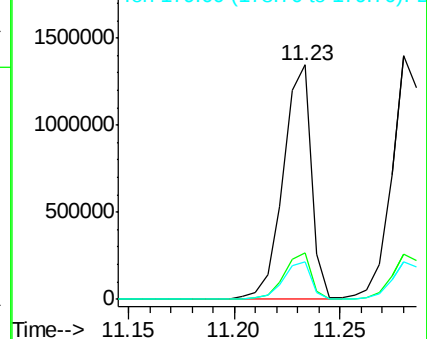
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 47.38 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Tgt Ion:178 Resp: 1320633

Ion Ratio Lower Upper

178 100

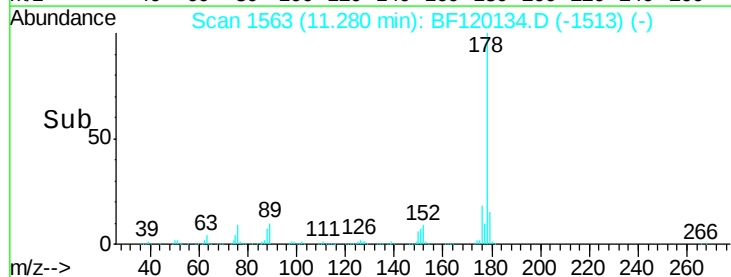
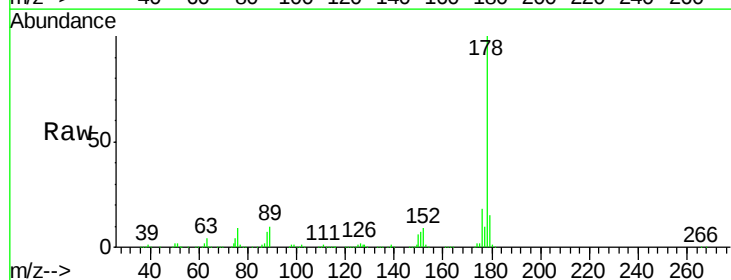
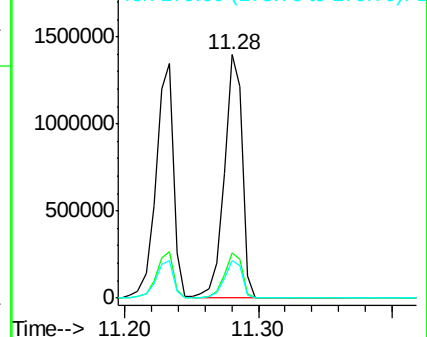
176 18.4 16.1 24.1

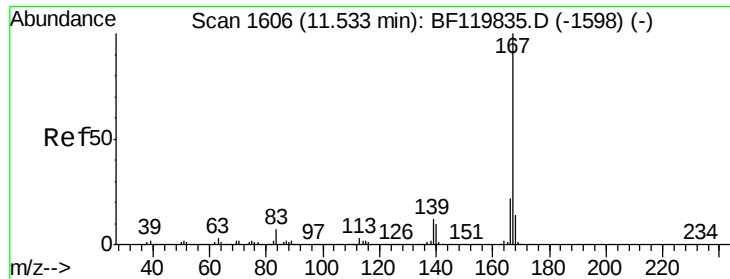
179 15.4 13.0 19.4

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





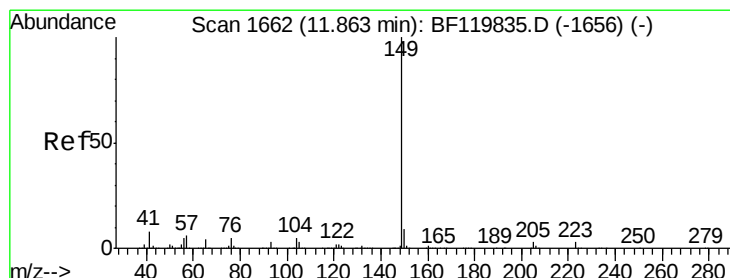
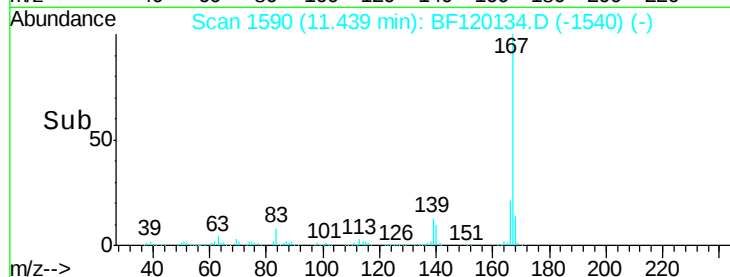
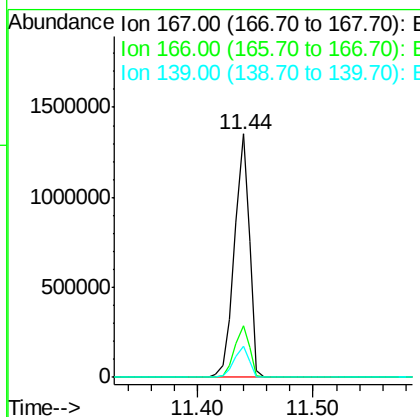
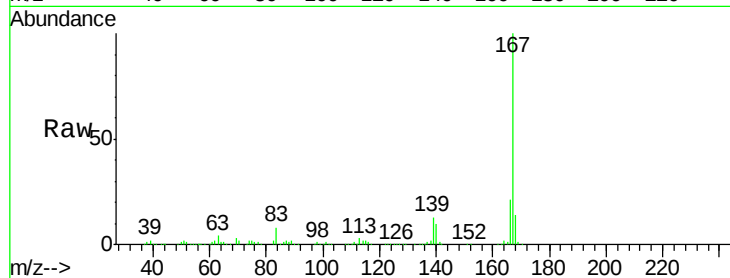
#73
 Carbazole
 Concen: 45.91 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion:167 Resp: 1210054
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.2 27.4
 139 12.9 10.7 16.1

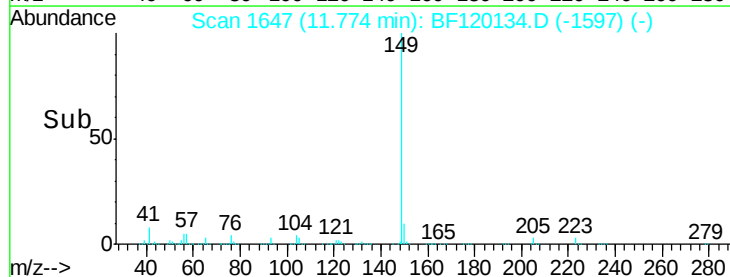
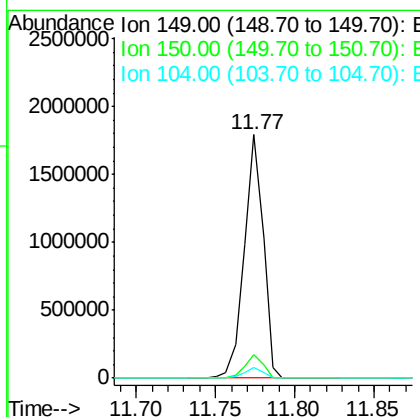
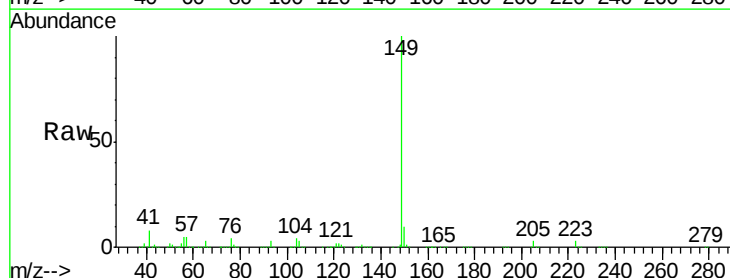
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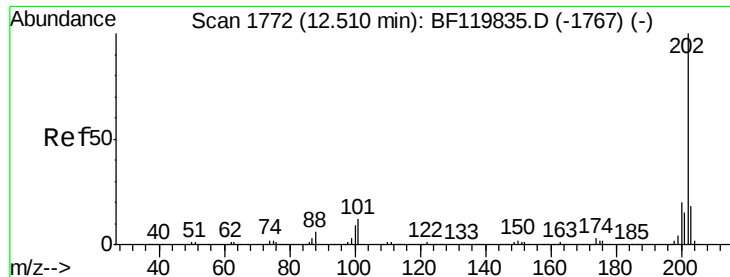
mohammad
 4/24/2020 4:18:01 AM



#74
 Di-n-butylphthalate
 Concen: 42.77 ng
 RT: 11.77 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion:149 Resp: 1482248
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.8 11.8
 104 4.4 3.6 5.4





#75

Fluoranthene

Concen: 47.34 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

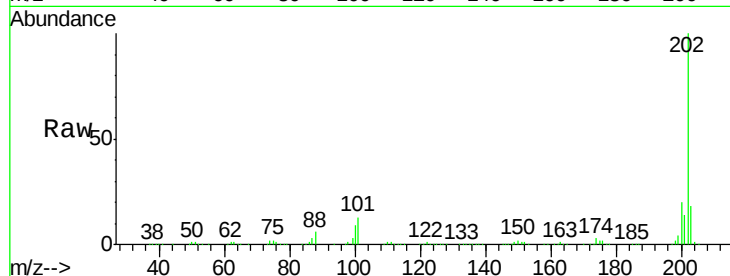
ClientSampleId :

PB128402BSD

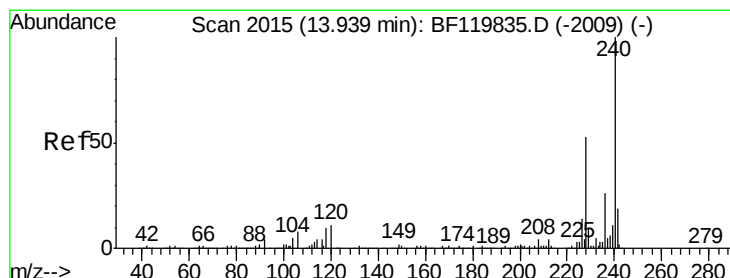
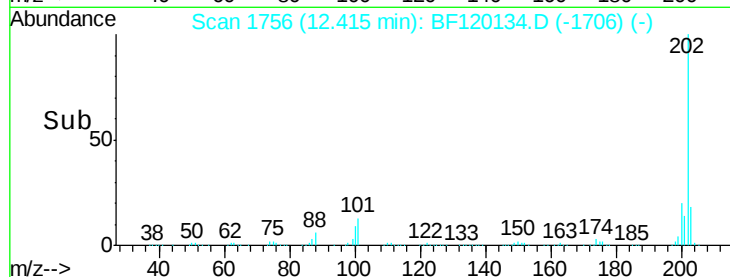
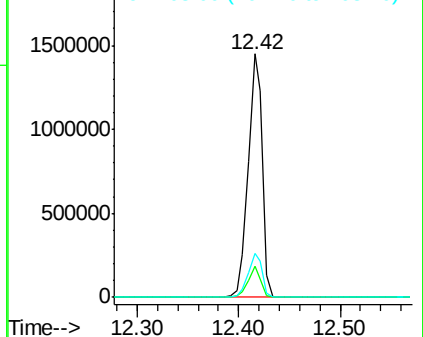
Tgt Ion:	202	Resp:	1393699
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	32.2
203	17.9	0.0	38.8

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



#76

Chrysene-d12

Concen: 20.00 ng

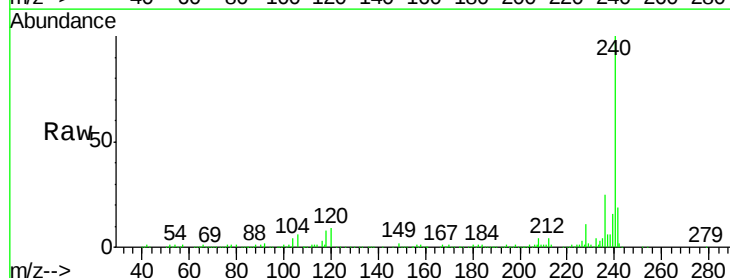
RT: 13.85 min Scan# 2000

Delta R.T. 0.00 min

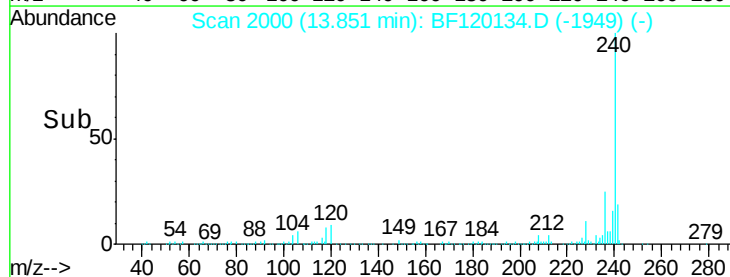
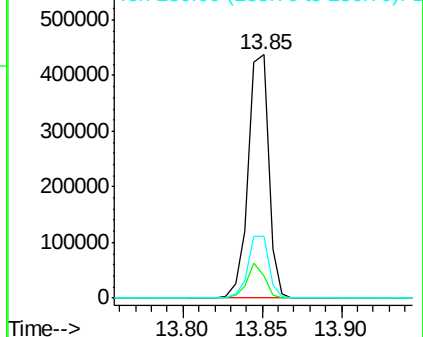
Lab File: BF120134.D

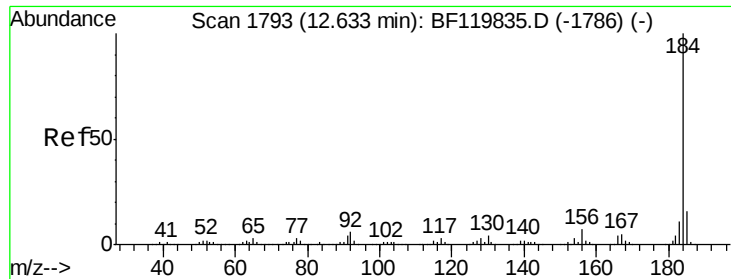
Acq: 22 Apr 2020 16:37

Tgt Ion:	240	Resp:	393009
Ion Ratio	Lower	Upper	
240	100		
120	8.9	10.6	15.8#
236	25.5	20.2	30.2



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





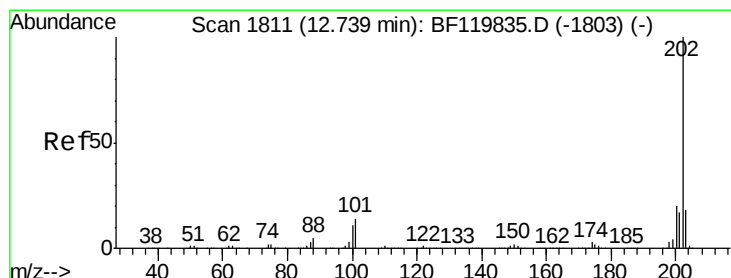
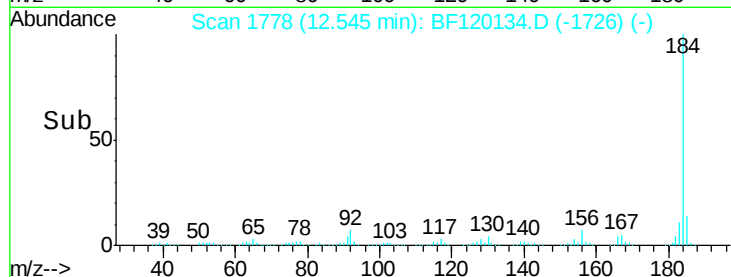
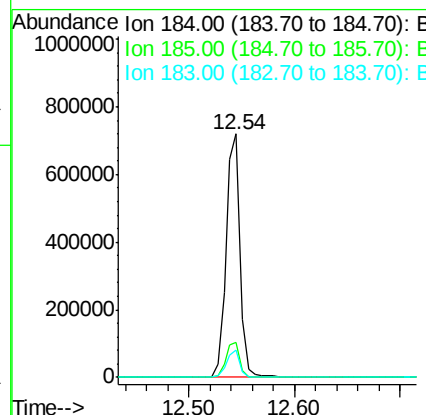
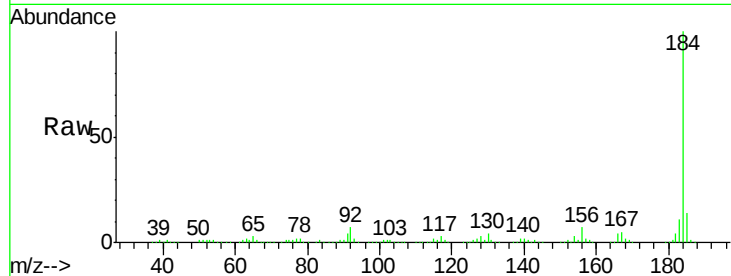
#77
Benzidine
Concen: 50.16 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	666381		
185	14.2	12.3	18.5	
183	11.3	9.0	13.6	

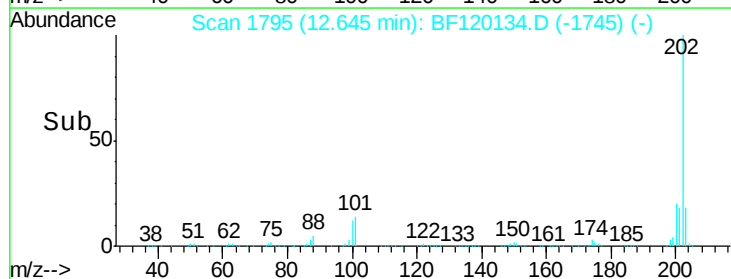
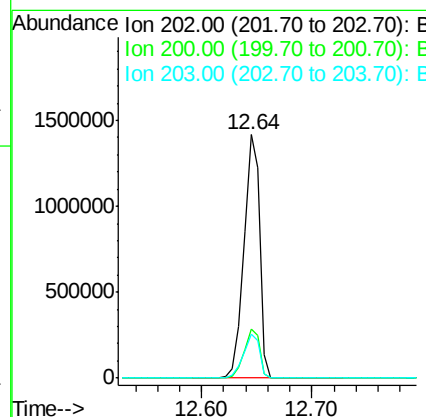
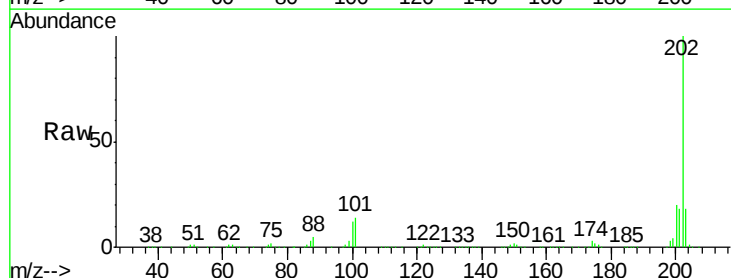
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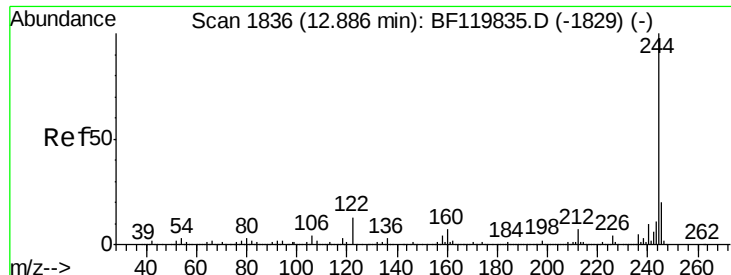
mohammad
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#78
Pyrene
Concen: 42.85 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1419741		
200	20.3	16.8	25.2	
203	18.0	15.1	22.7	





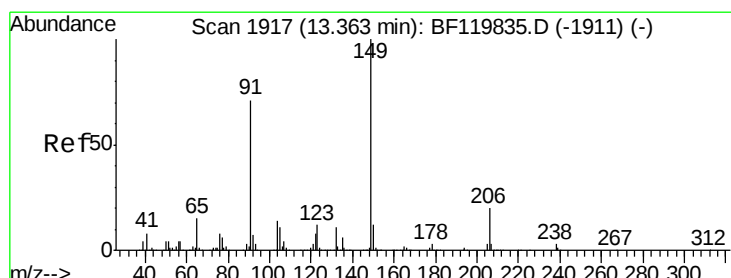
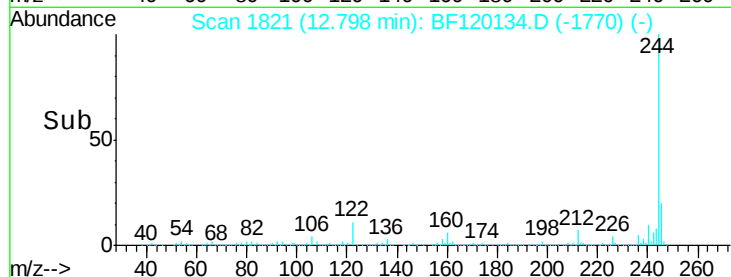
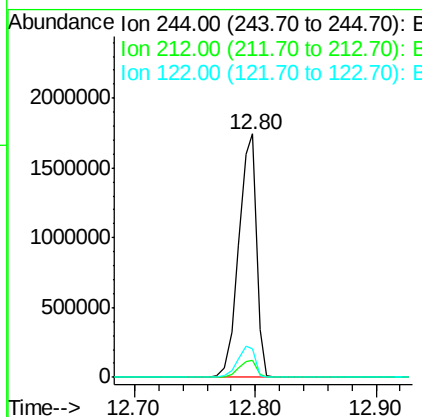
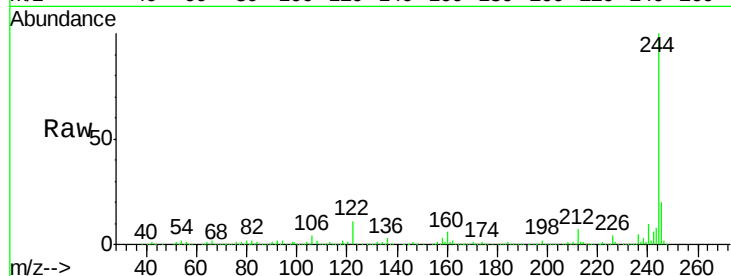
#79
 Terphenyl-d14
 Concen: 76.44 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	11.5	10.3	15.5

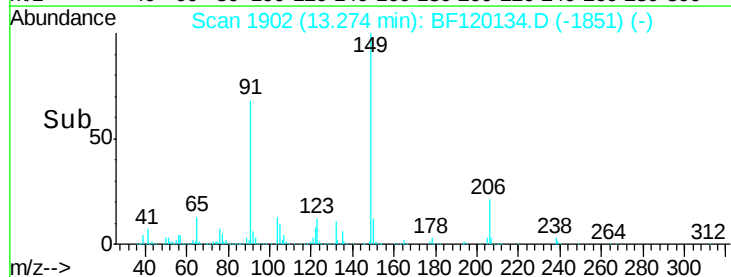
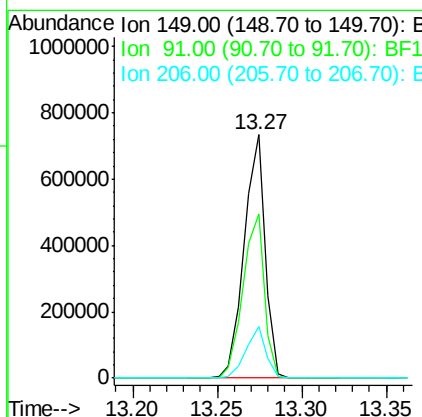
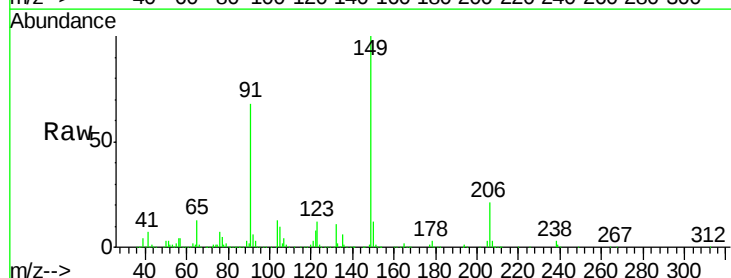
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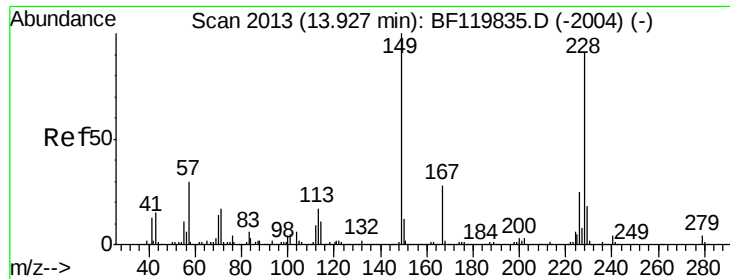
mohammad
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#80
 Butylbenzylphthalate
 Concen: 39.70 ng
 RT: 13.27 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.6	54.7	82.1
206	21.0	16.2	24.2





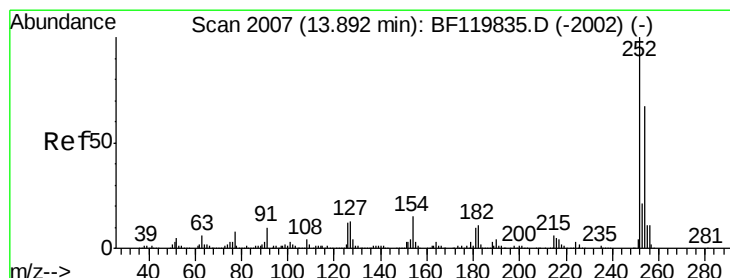
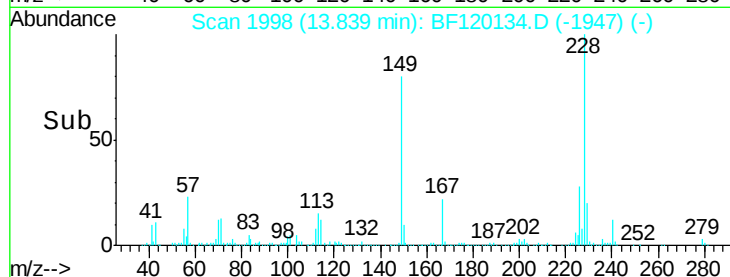
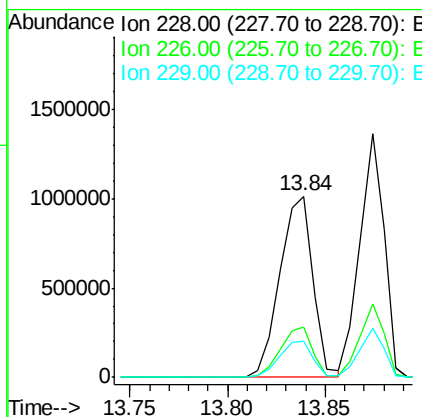
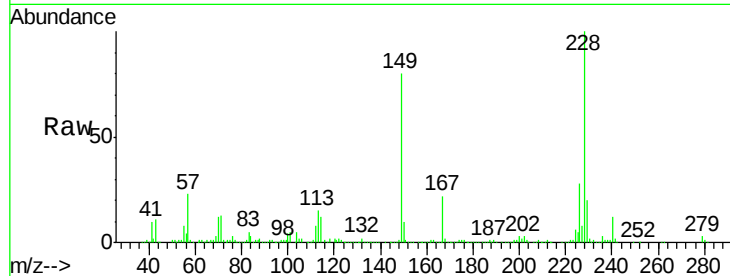
#81
Benzo(a)anthracene
Concen: 46.06 ng
RT: 13.84 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion:228 Resp: 1190978
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 20.2 16.2 24.4

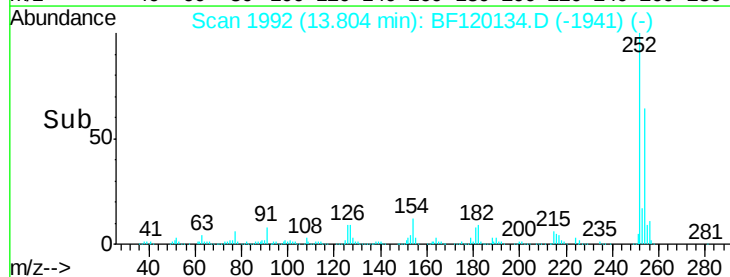
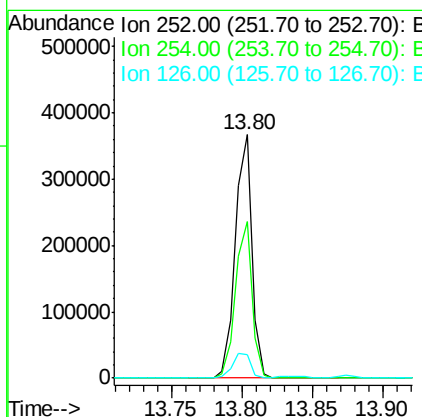
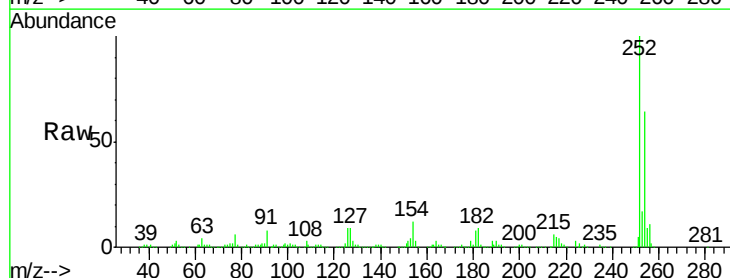
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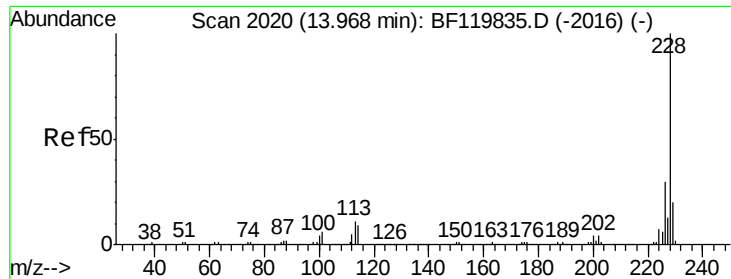
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 31.27 ng
RT: 13.80 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion:252 Resp: 301629
Ion Ratio Lower Upper
252 100
254 64.4 51.2 76.8
126 9.4 9.6 14.4#





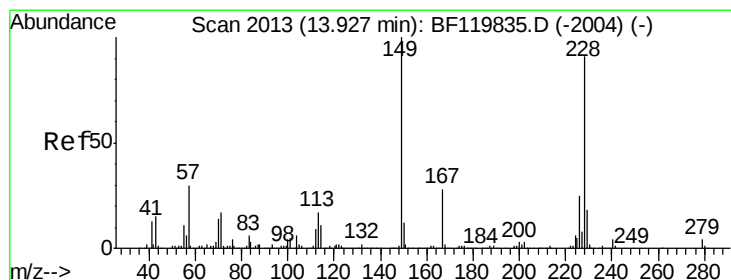
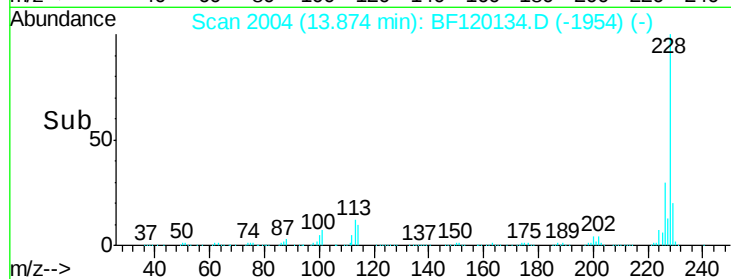
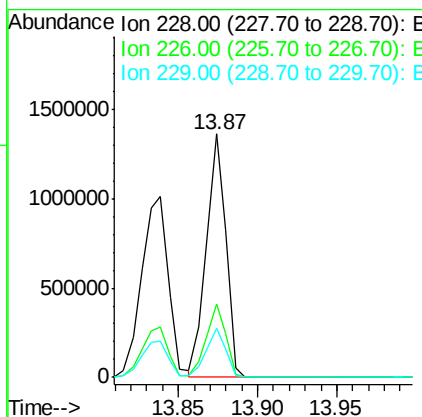
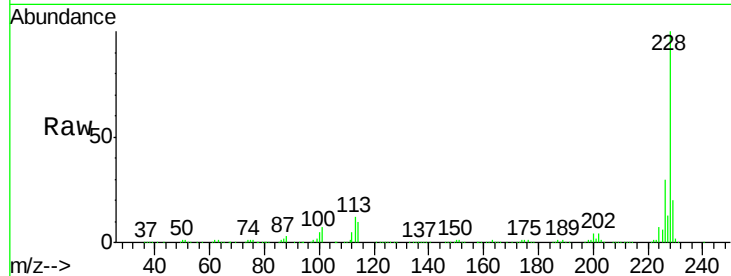
#83
 Chrysene
 Concen: 45.00 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB128402BSD

Tgt Ion: 228 Resp: 1182270
 Ion Ratio Lower Upper
 228 100
 226 30.4 25.4 38.0
 229 20.0 16.6 24.8

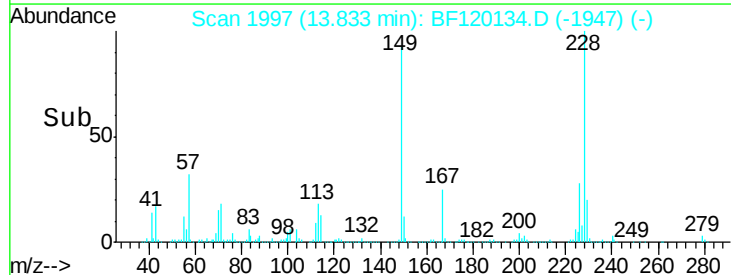
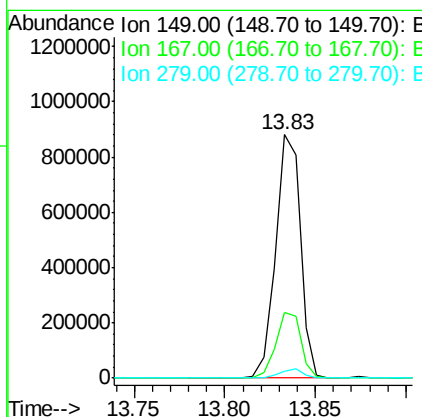
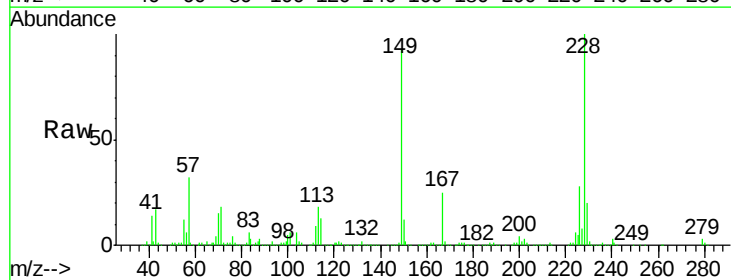
Manual Integrations
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 38.36 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.01 min
 Lab File: BF120134.D
 Acq: 22 Apr 2020 16:37

Tgt Ion: 149 Resp: 835031
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.3 31.9
 279 3.0 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 39.92 ng

RT: 14.44 min Scan# 2101

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

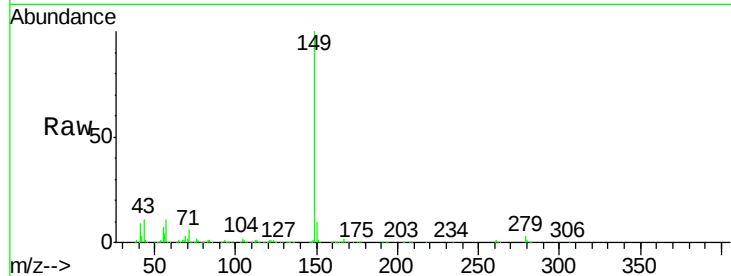
ClientSampleId :

PB128402BSD

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.7	9.3	13.9

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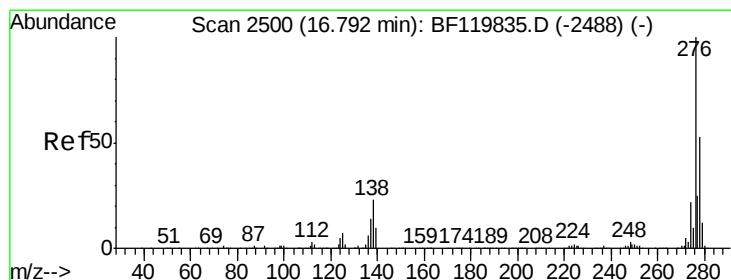
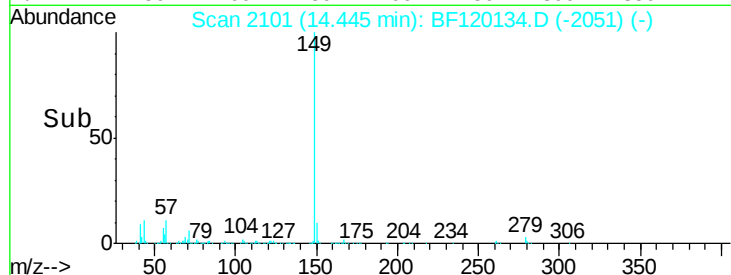
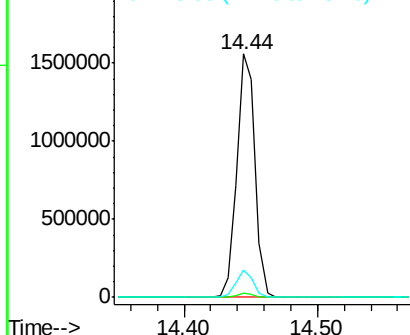
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 45.49 ng

RT: 16.62 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BF120134.D

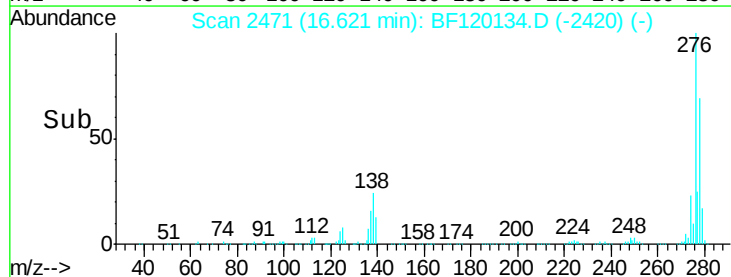
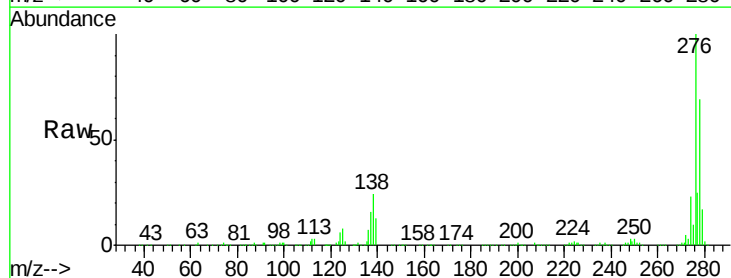
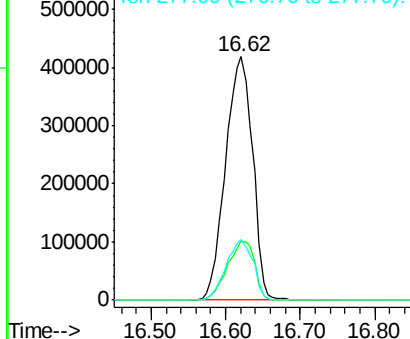
Acq: 22 Apr 2020 16:37

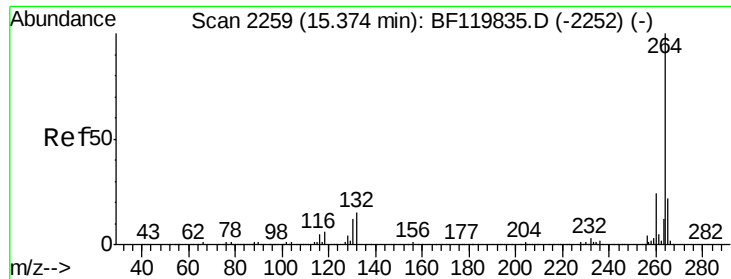
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.6	29.4
277	24.7	20.0	30.0

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.00 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Instrument :

BNA_F

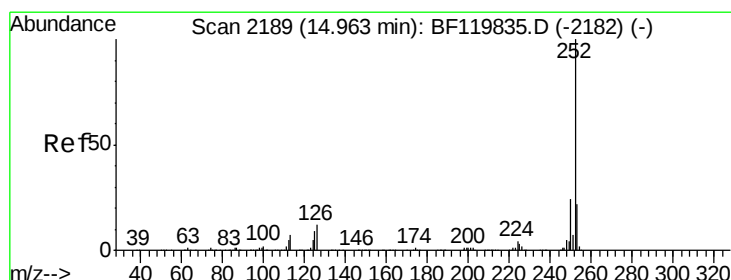
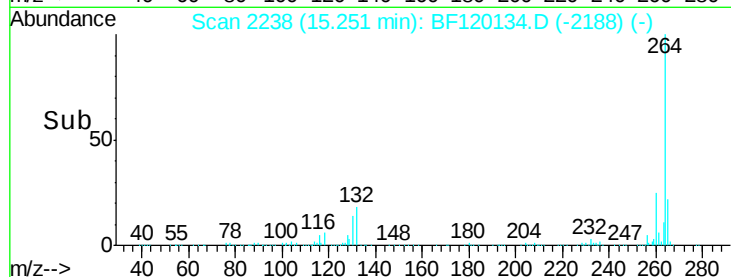
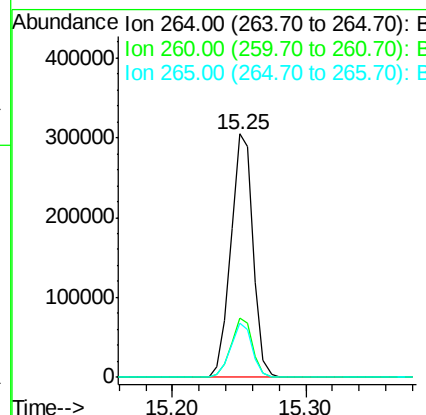
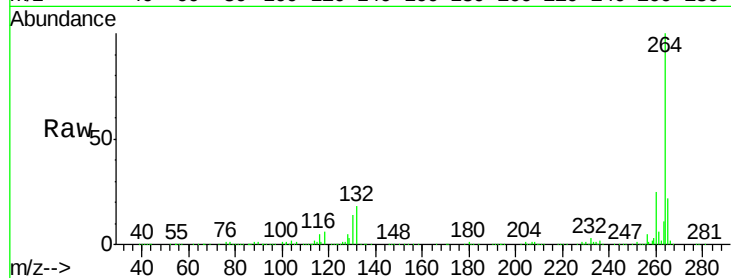
ClientSampleId :

PB128402BSD

Tgt Ion:	264	Resp:	358726
Ion Ratio		Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.2	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 42.38 ng

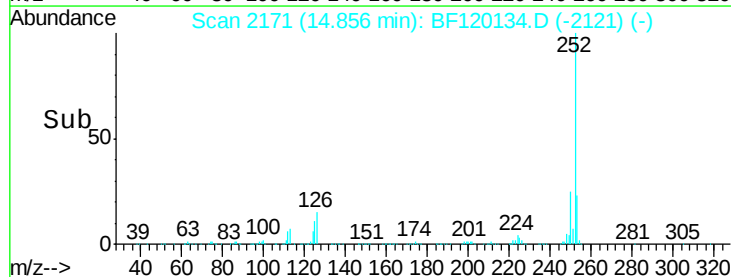
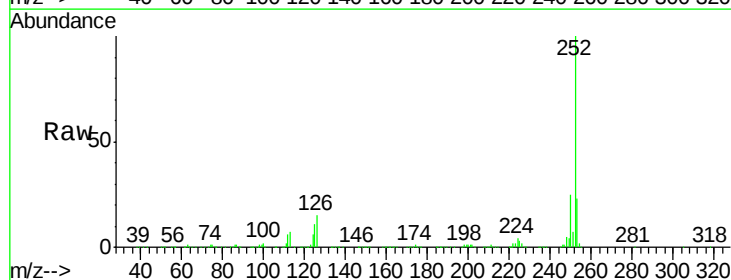
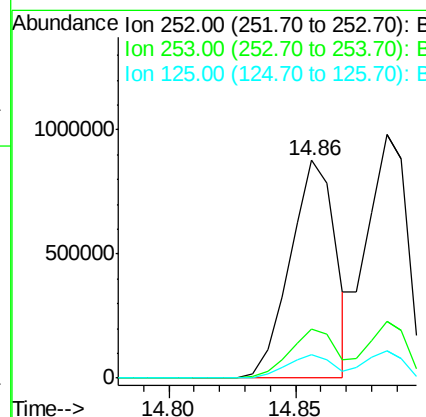
RT: 14.86 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BF120134.D

Acq: 22 Apr 2020 16:37

Tgt Ion:	252	Resp:	1093745
Ion Ratio		Lower	Upper
252	100		
253	22.8	17.4	26.0
125	10.8	7.9	11.9





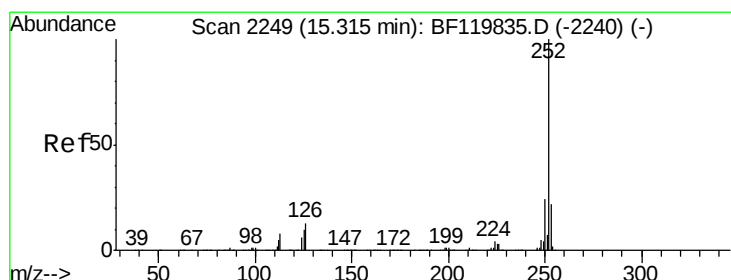
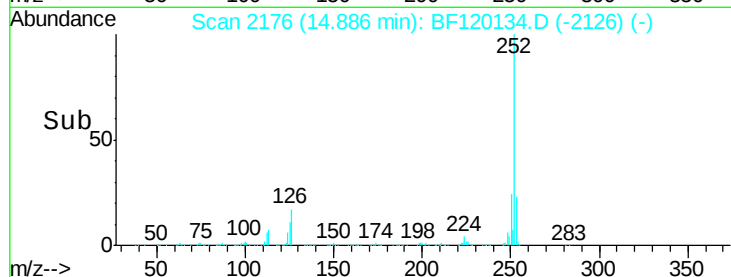
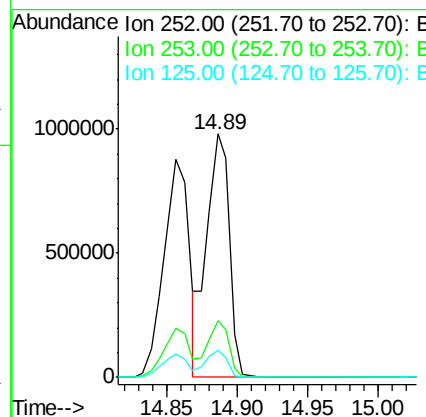
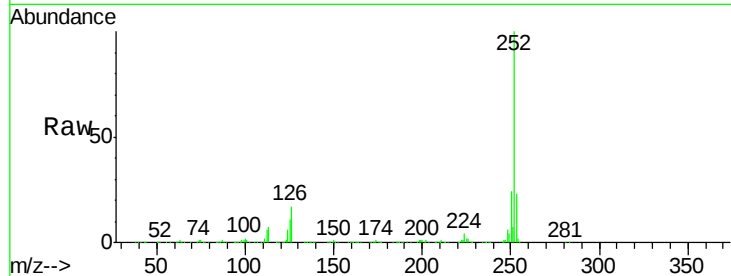
#89
Benzo(k)fluoranthene
Concen: 48.87 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.5	8.4	12.6

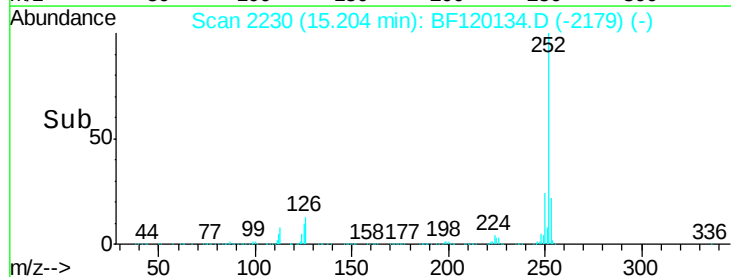
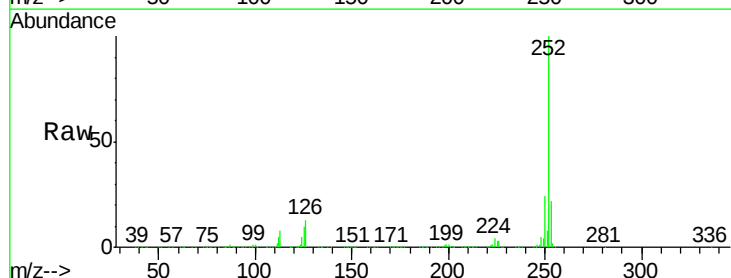
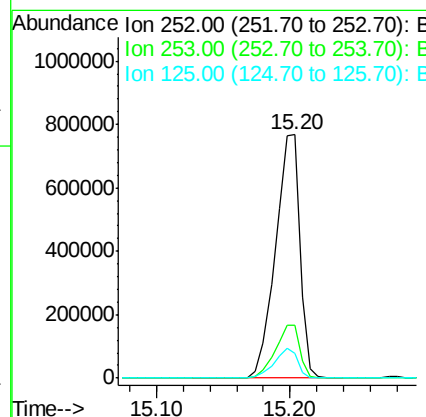
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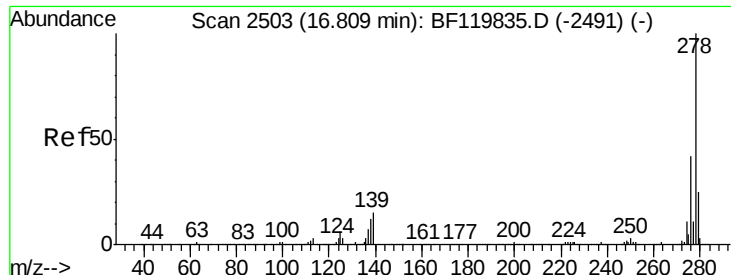
mohammad
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#90
Benzo(a)pyrene
Concen: 45.52 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	10.0	9.4	14.2





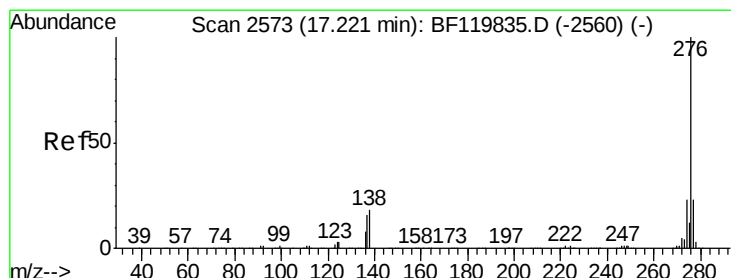
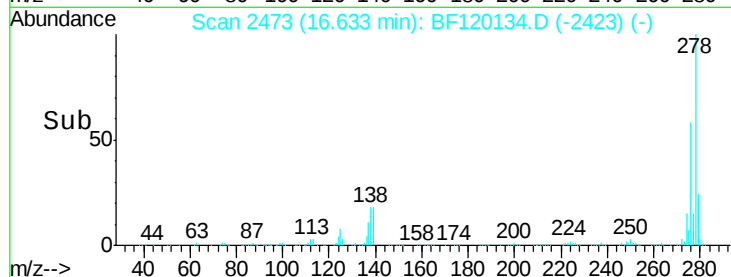
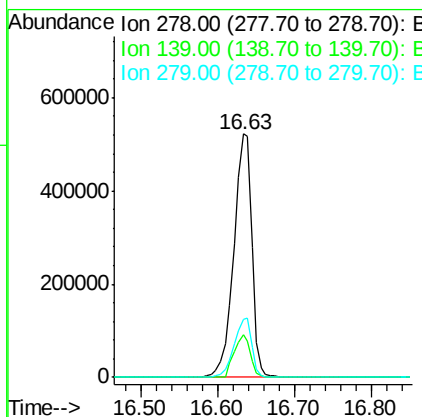
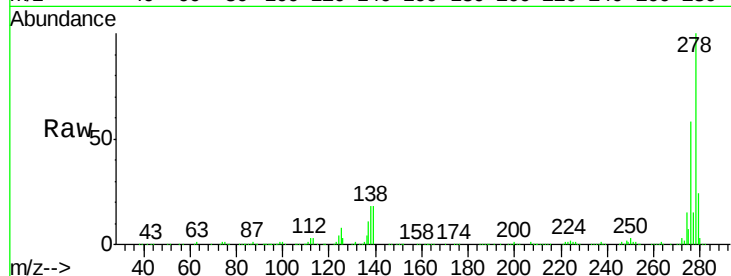
#91
Dibenzo(a,h)anthracene
Concen: 44.93 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Instrument :
BNA_F
ClientSampleId :
PB128402BSD

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	863496		
139	17.6	12.6	19.0	
279	23.9	19.0	28.6	

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#92
Benzo(g,h,i)perylene
Concen: 45.14 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.00 min
Lab File: BF120134.D
Acq: 22 Apr 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	856428		
277	22.9	18.4	27.6	
138	20.3	15.4	23.0	

