

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100422\
 Data File : BF130519.D
 Acq On : 04 Oct 2022 15:41
 Operator : CG\JU
 Sample : N4914-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 02:18:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

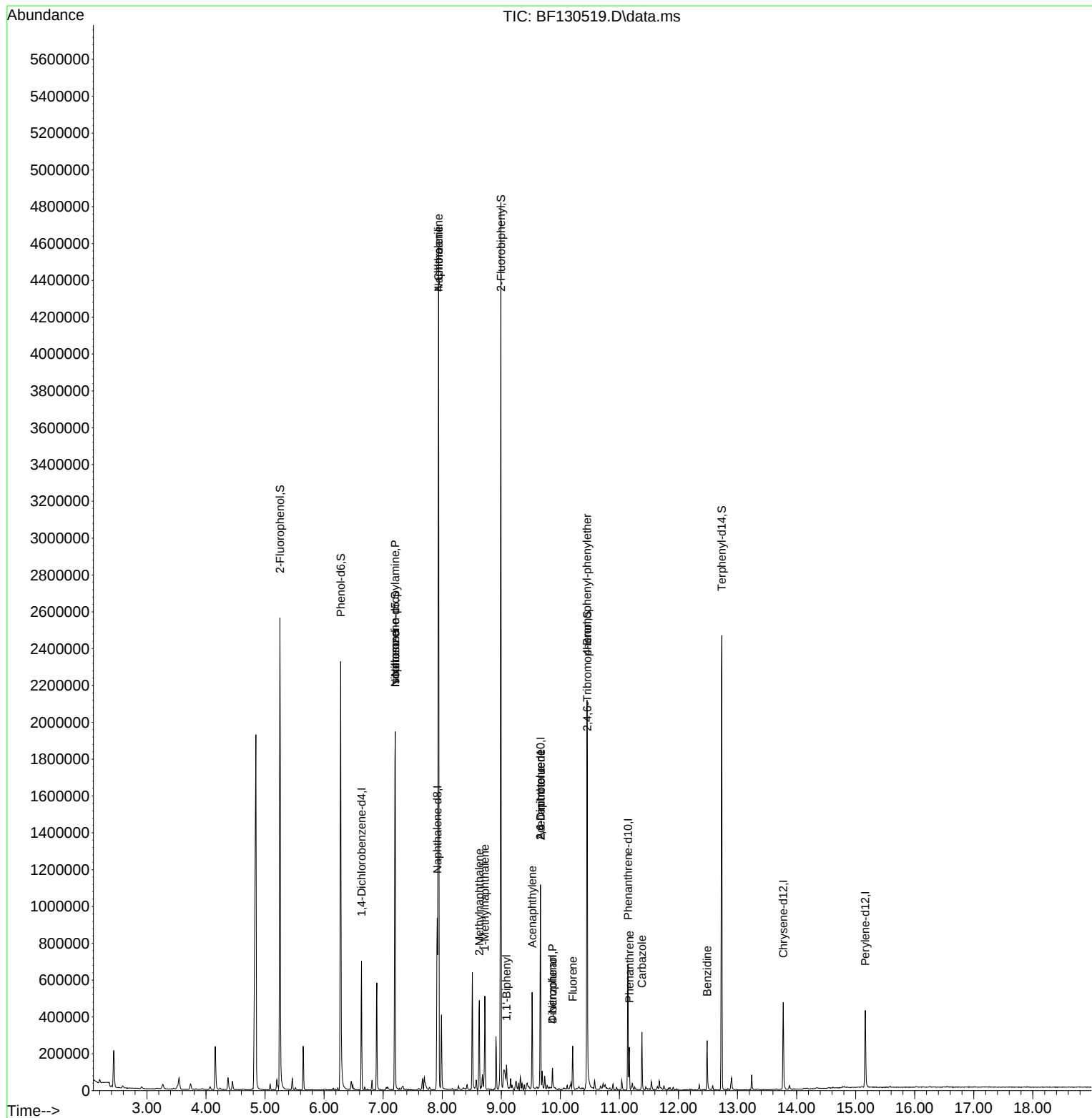
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	87598	20.000	ng	-0.01
21) Naphthalene-d8	7.916	136	427936	20.000	ng	-0.01
39) Acenaphthene-d10	9.663	164	195207	20.000	ng	-0.02
64) Phenanthrene-d10	11.145	188	227375	20.000	ng	-0.01
76) Chrysene-d12	13.774	240	149525	20.000	ng	-0.02
86) Perylene-d12	15.163	264	180066	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.252	112	731069	144.754	ng	0.00
7) Phenol-d6	6.281	99	829146	131.209	ng	-0.01
23) Nitrobenzene-d5	7.204	82	661938	79.024	ng	-0.01
42) 2,4,6-Tribromophenol	10.457	330	261211	139.651	ng	-0.01
45) 2-Fluorobiphenyl	8.992	172	1272860	94.952	ng	-0.02
79) Terphenyl-d14	12.733	244	838826	92.928	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.204	70	90692	21.269	ng	# 71
25) Isophorone	7.204	82	660523	48.925	ng	# 66
31) Naphthalene	7.940	128	2019300	91.592	ng	100
33) 4-Chloroaniline	7.940	127	268192	31.985	ng	# 31
37) 2-Methylnaphthalene	8.628	142	123000	8.750	ng	99
38) 1-Methylnaphthalene	8.722	142	118198	8.753	ng	96
46) 1,1'-Biphenyl	9.087	154	29219	2.004	ng	99
49) Acenaphthylene	9.522	152	189888	10.739	ng	99
51) 2,6-Dinitrotoluene	9.663	165	25961	9.206	ng	# 17
55) Dibenzofuran	9.869	168	40664	2.516	ng	95
56) 4-Nitrophenol	9.869	139	16177	7.068	ng	# 1
57) 2,4-Dinitrotoluene	9.663	165	25961	7.203	ng	# 17
58) Fluorene	10.210	166	58548	4.430	ng	99
67) 4-Bromophenyl-phenylether	10.451	248	15346	6.118	ng	# 1
71) Phenanthrene	11.169	178	77355	6.060	ng	97
73) Carbazole	11.381	167	112829	10.148	ng	97
77) Benzidine	12.486	184	101798	23.453	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100422\
Data File : BF130519.D
Acq On : 04 Oct 2022 15:41
Operator : CG\JU
Sample : N4914-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

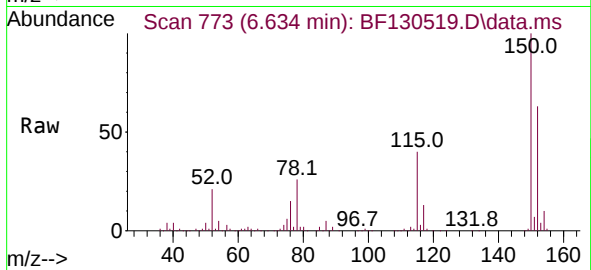
Quant Time: Oct 05 02:18:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 28 02:59:31 2022
Response via : Initial Calibration



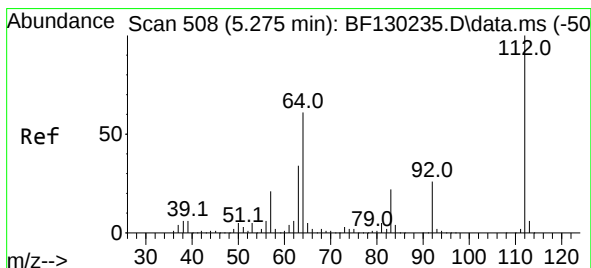
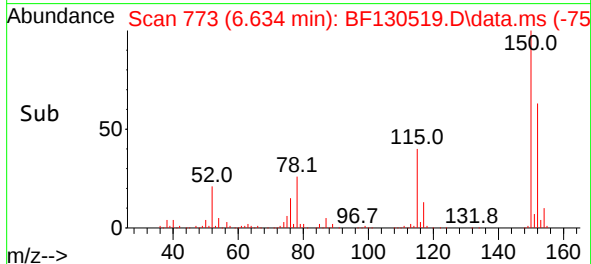
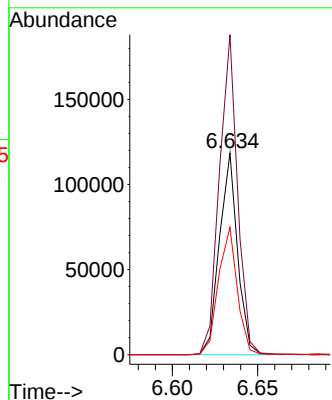


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.634 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Instrument :
BNA_F
ClientSampleId :

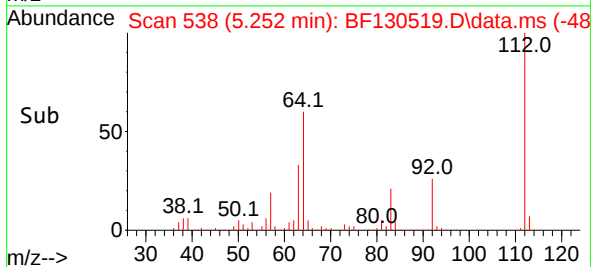
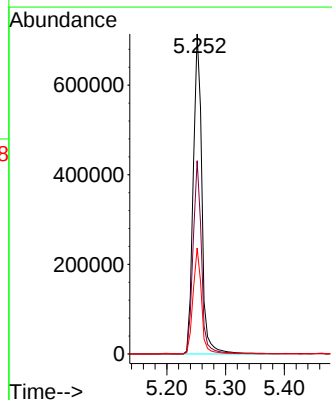
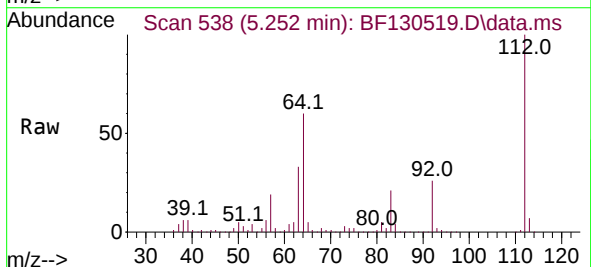


Tgt Ion:152 Resp: 87598
Ion Ratio Lower Upper
152 100
150 159.0 122.8 184.2
115 63.3 53.8 80.8



#5
2-Fluorophenol
Concen: 144.754 ng
RT: 5.252 min Scan# 538
Delta R.T. 0.006 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion:112 Resp: 731069
Ion Ratio Lower Upper
112 100
64 60.4 51.4 77.0
63 33.1 28.8 43.2

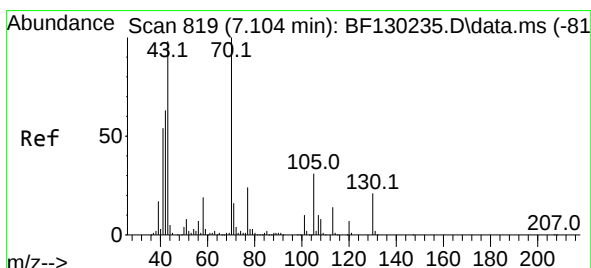
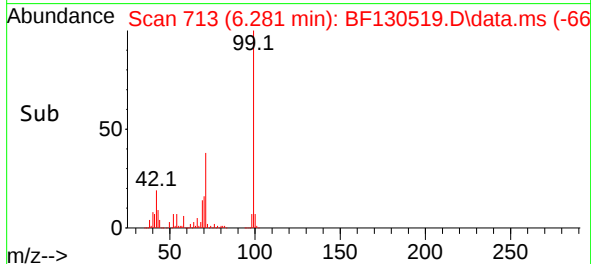
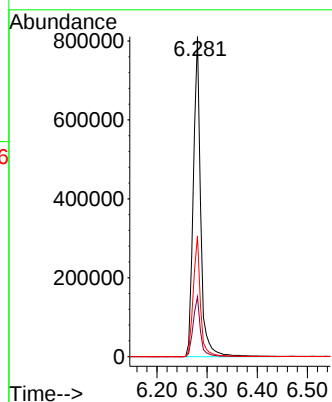
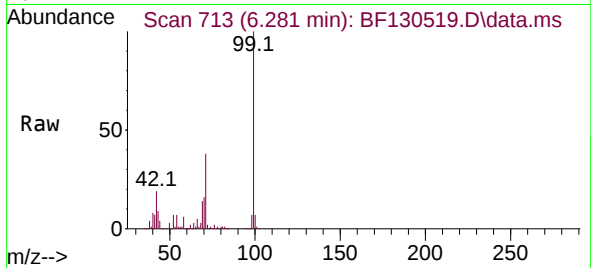




#7
Phenol-d6
Concen: 131.209 ng
RT: 6.281 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

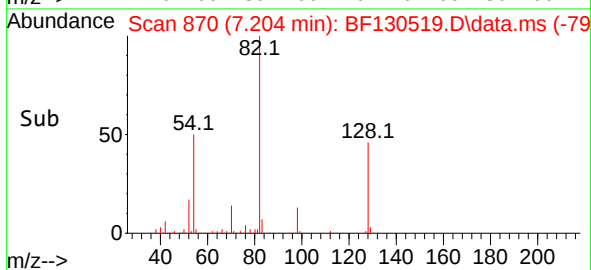
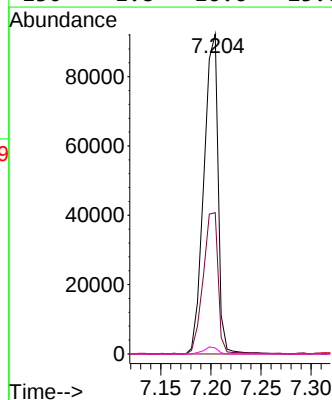
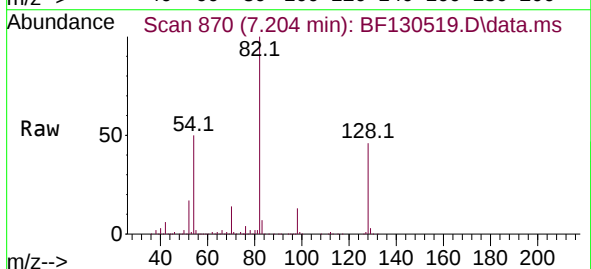
Instrument :
BNA_F
ClientSampleId :

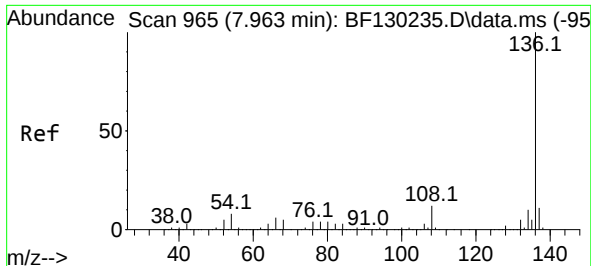
Tgt Ion: 99 Resp: 829146
Ion Ratio Lower Upper
99 100
42 18.7 17.0 25.6
71 37.7 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 21.269 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

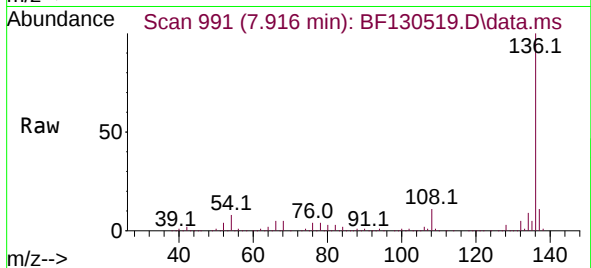
Tgt Ion: 70 Resp: 90692
Ion Ratio Lower Upper
70 100
42 44.1 50.8 76.2#
101 0.0 8.2 12.4#
130 1.8 16.6 25.0#



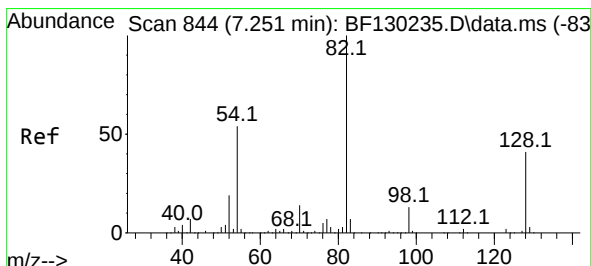
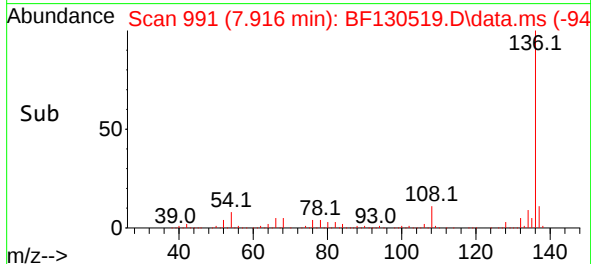
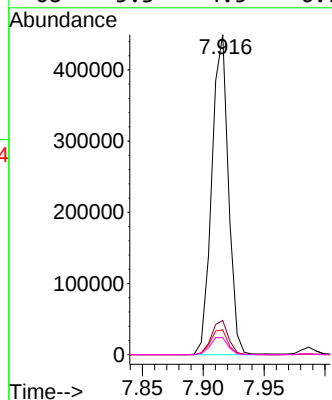


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Instrument :
BNA_F
ClientSampleId :

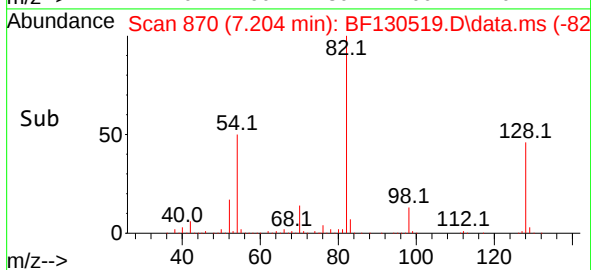
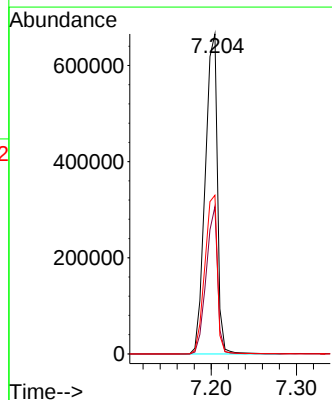
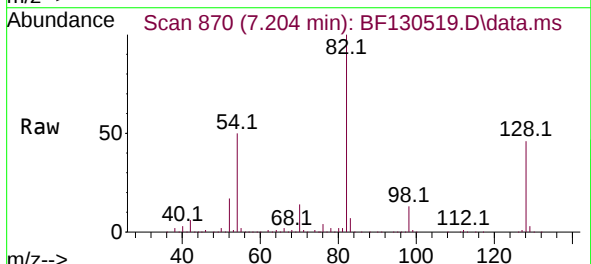


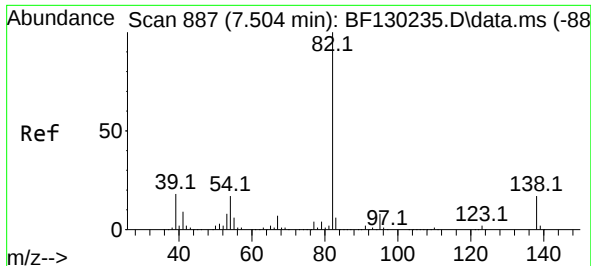
Tgt Ion:136 Resp: 427936
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.7 7.1 10.7
68 5.3 4.5 6.7



#23
Nitrobenzene-d5
Concen: 79.024 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion: 82 Resp: 661938
Ion Ratio Lower Upper
82 100
128 46.0 32.6 49.0
54 49.6 43.8 65.6

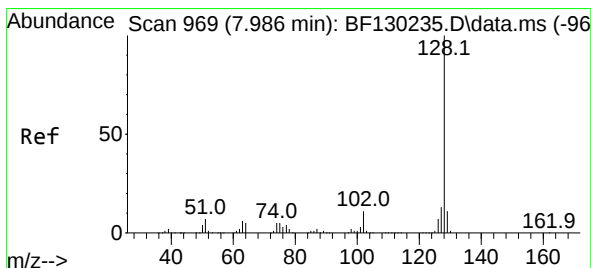
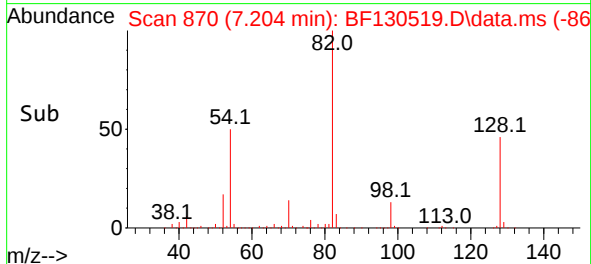
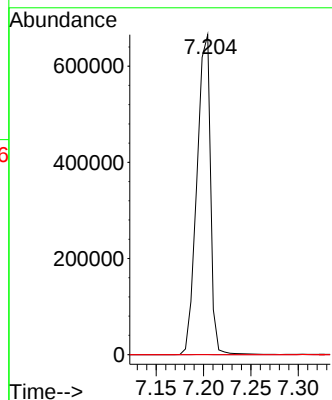
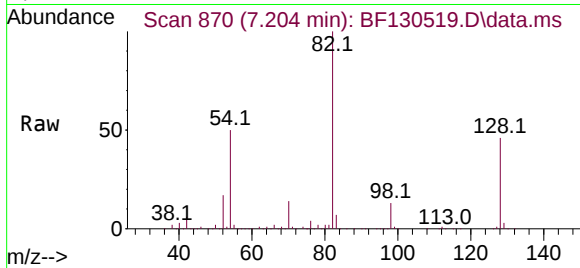




#25
Isophorone
Concen: 48.925 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

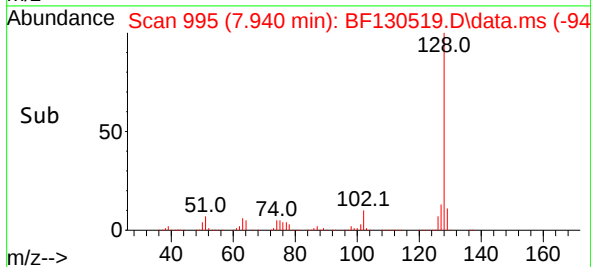
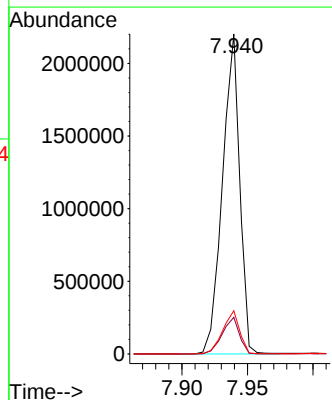
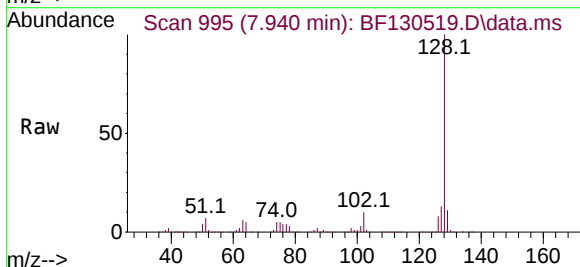
Instrument :
BNA_F
ClientSampleId :

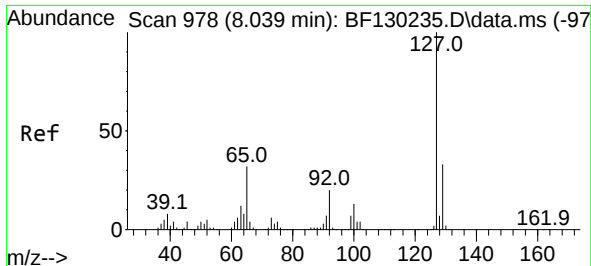
Tgt Ion: 82 Resp: 660523
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#31
Naphthalene
Concen: 91.592 ng
RT: 7.940 min Scan# 995
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

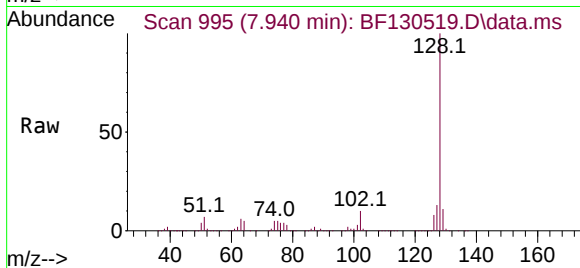
Tgt Ion: 128 Resp: 2019300
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.5 10.6 16.0



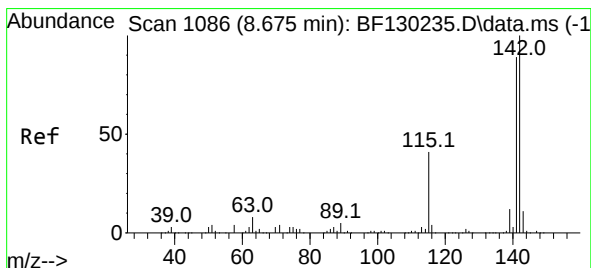
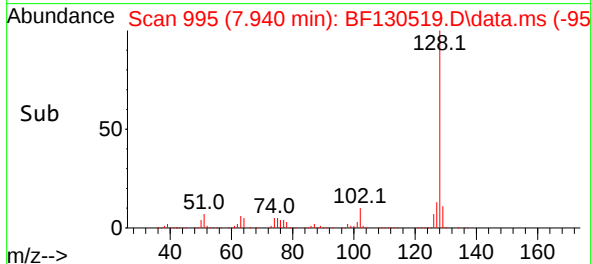
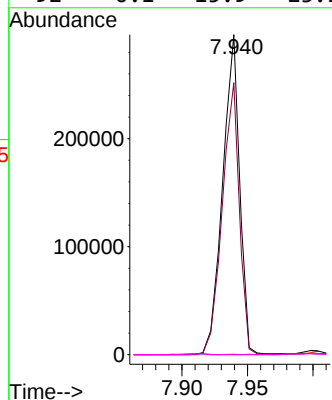


#33
4-Chloroaniline
Concen: 31.985 ng
RT: 7.940 min Scan# 995
Delta R.T. -0.065 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Instrument :
BNA_F
ClientSampleId :

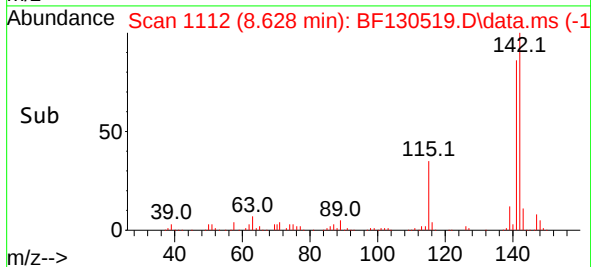
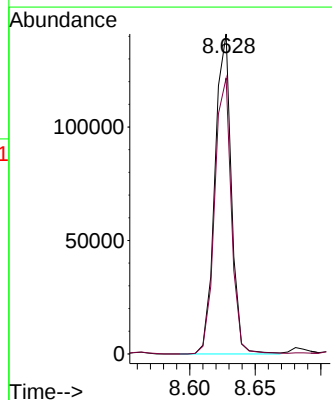
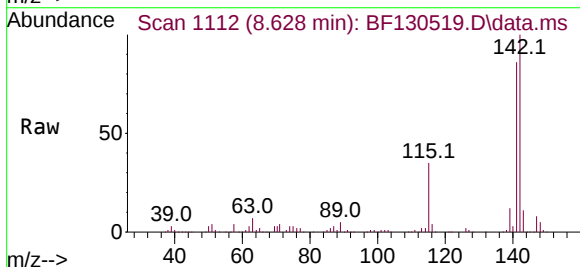


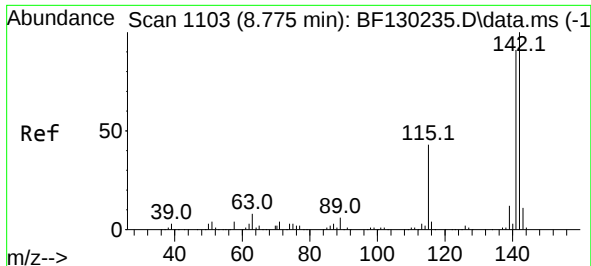
Tgt Ion	Ratio	Lower	Upper
127	100		
129	85.0	25.6	38.4#
65	0.0	27.0	40.6#
92	0.1	15.9	23.9#



#37
2-Methylnaphthalene
Concen: 8.750 ng
RT: 8.628 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.2	70.0	105.0





#38

1-Methylnaphthalene

Concen: 8.753 ng

RT: 8.722 min Scan# 1103

Delta R.T. -0.018 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

Instrument :

BNA_F

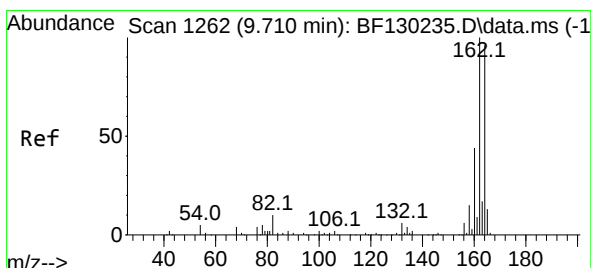
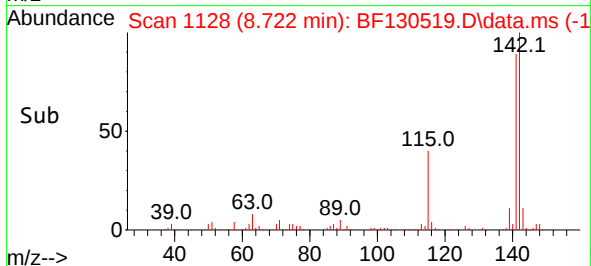
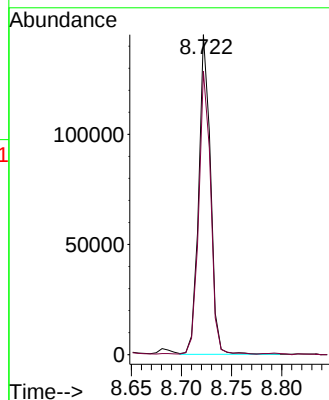
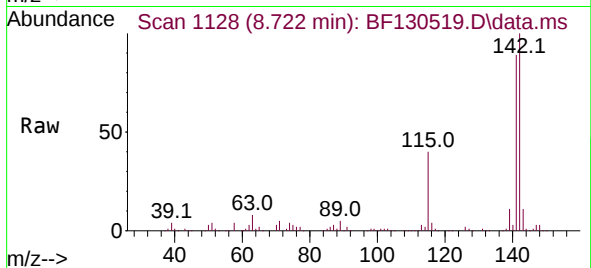
ClientSampleId :

Tgt Ion:142 Resp: 118198

Ion Ratio Lower Upper

142 100

141 88.5 73.8 110.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.663 min Scan# 1288

Delta R.T. -0.018 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

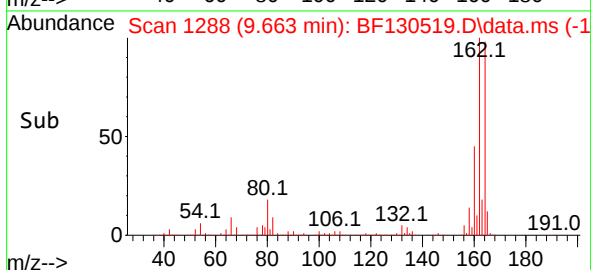
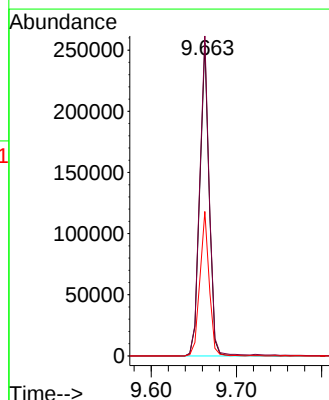
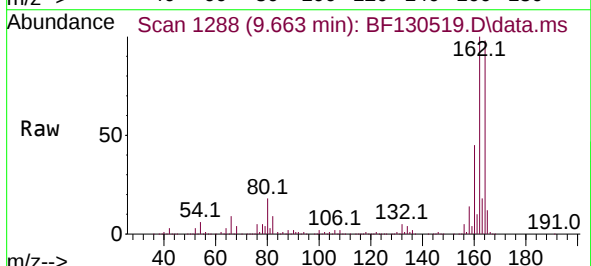
Tgt Ion:164 Resp: 195207

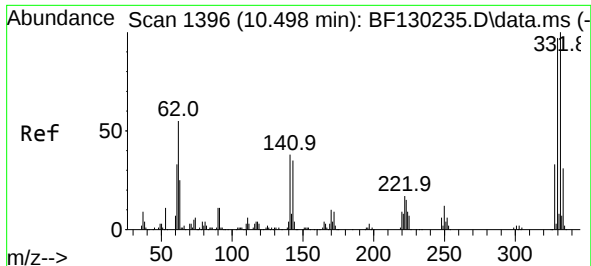
Ion Ratio Lower Upper

164 100

162 102.3 81.4 122.0

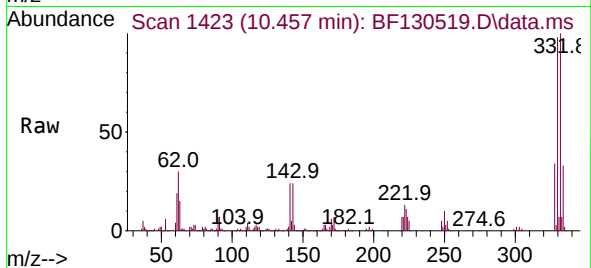
160 46.2 36.2 54.4



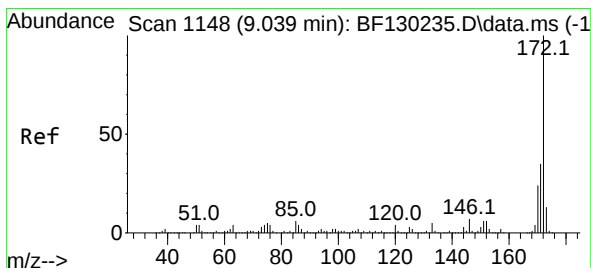
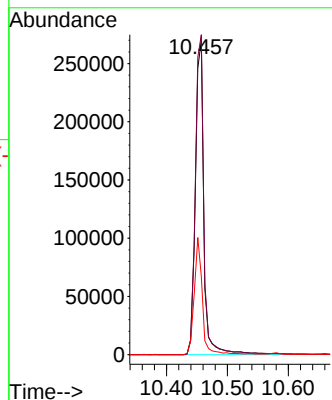
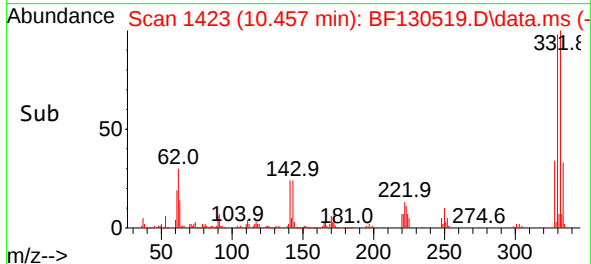


#42
2,4,6-Tribromophenol
Concen: 139.651 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Instrument :
BNA_F
ClientSampleId :

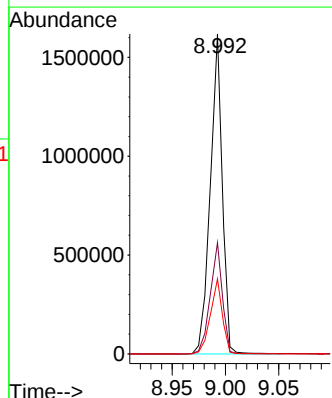
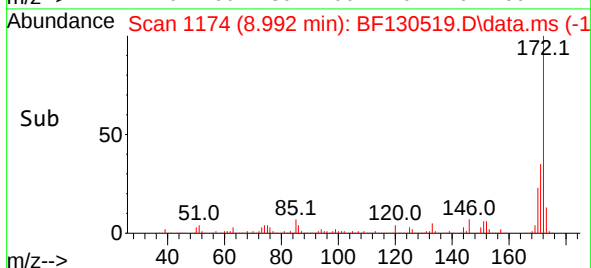
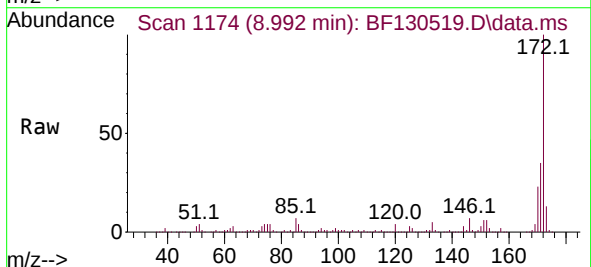


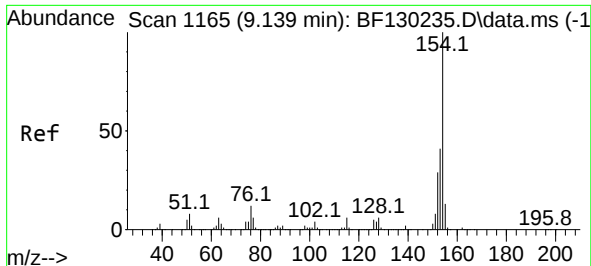
Tgt Ion:330 Resp: 261211
Ion Ratio Lower Upper
330 100
332 103.9 83.4 125.2
141 35.9 34.0 51.0



#45
2-Fluorobiphenyl
Concen: 94.952 ng
RT: 8.992 min Scan# 1174
Delta R.T. -0.018 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion:172 Resp: 1272860
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.5 18.7 28.1





#46

1,1'-Biphenyl

Concen: 2.004 ng

RT: 9.087 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF130519.D

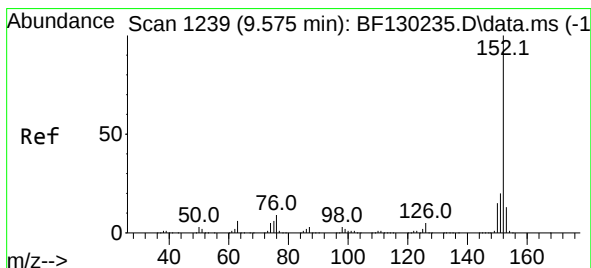
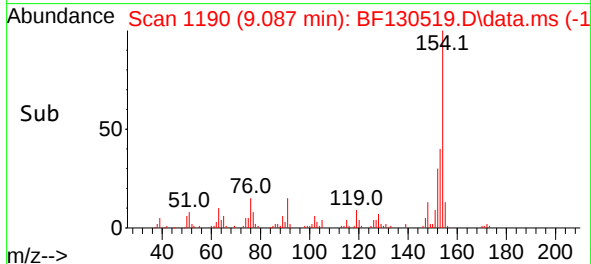
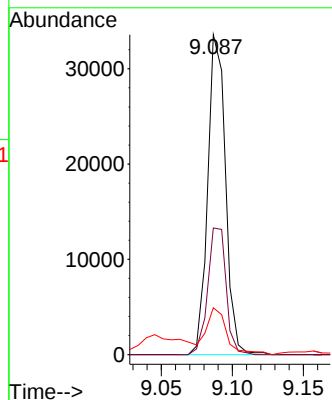
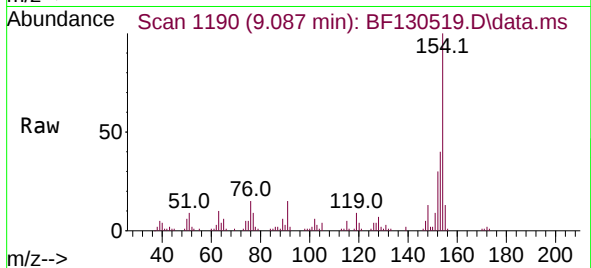
Acq: 04 Oct 2022 15:41

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:154	Resp:	29219
Ion Ratio	Lower	Upper
154	100	
153	39.6	20.0 60.0
76	14.6	0.0 33.3



#49

Acenaphthylene

Concen: 10.739 ng

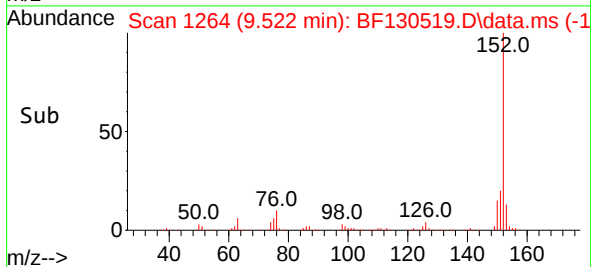
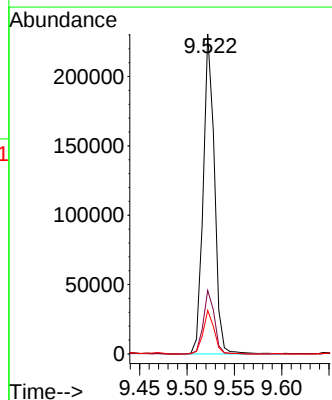
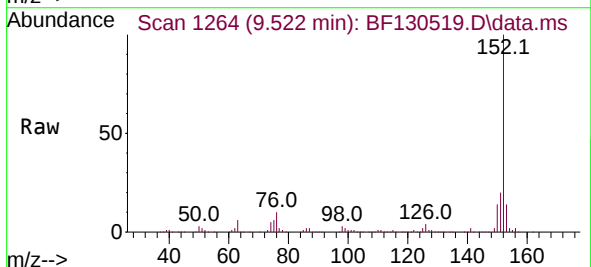
RT: 9.522 min Scan# 1264

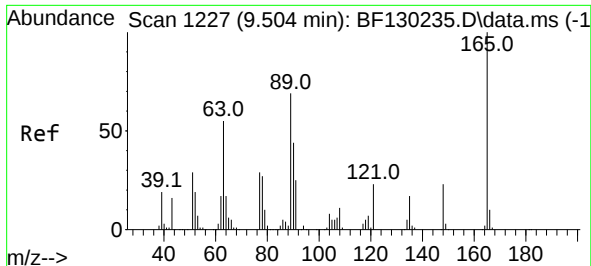
Delta R.T. -0.018 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

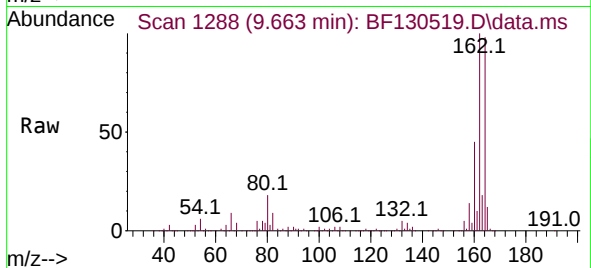
Tgt Ion:152	Resp:	189888
Ion Ratio	Lower	Upper
152	100	
151	19.8	16.2 24.2
153	13.6	10.6 15.8



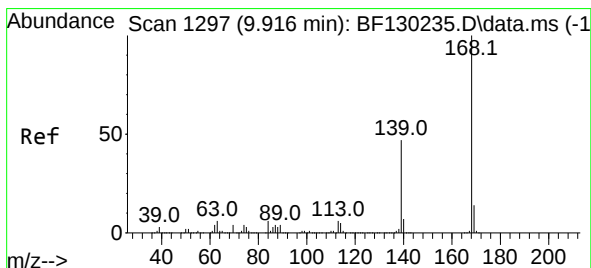
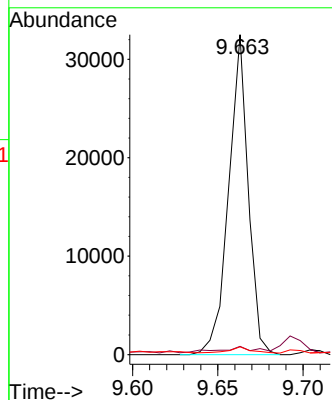
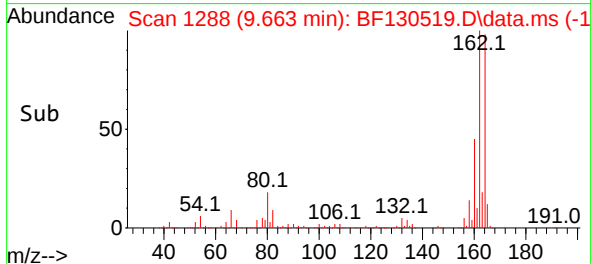


#51
2,6-Dinitrotoluene
Concen: 9.206 ng
RT: 9.663 min Scan# 1323
Delta R.T. 0.188 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

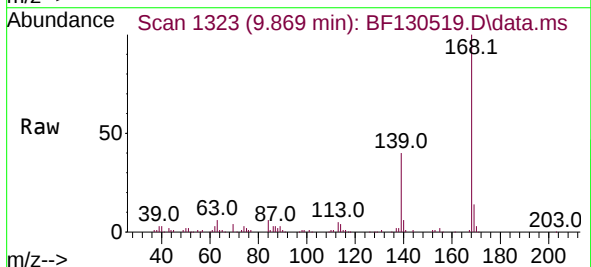
Instrument :
BNA_F
ClientSampleId :



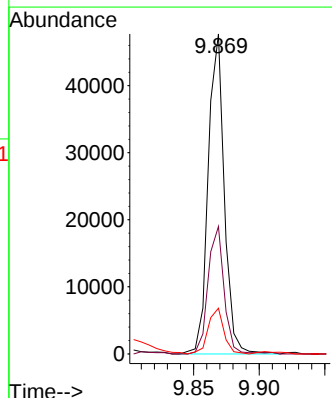
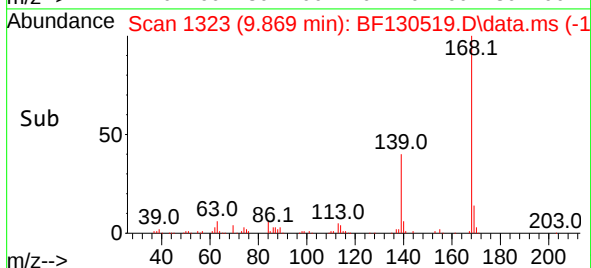
Tgt Ion:165 Resp: 25961
Ion Ratio Lower Upper
165 100
63 2.6 58.8 88.2#
89 2.4 54.5 81.7#

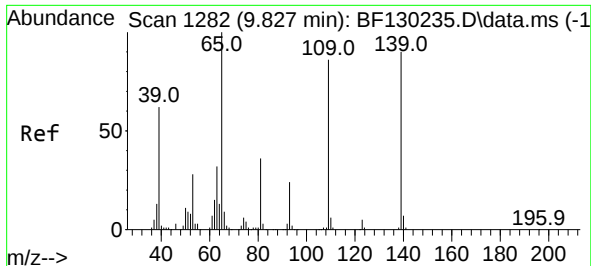


#55
Dibenzofuran
Concen: 2.516 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.018 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41



Tgt Ion:168 Resp: 40664
Ion Ratio Lower Upper
168 100
139 39.8 35.0 52.4
169 14.3 10.9 16.3

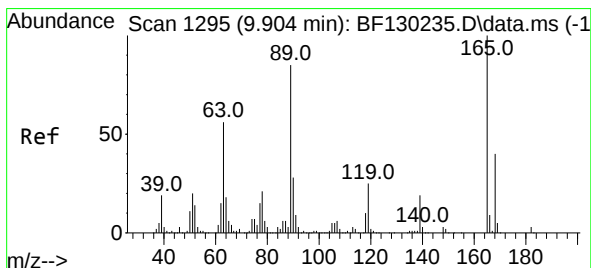
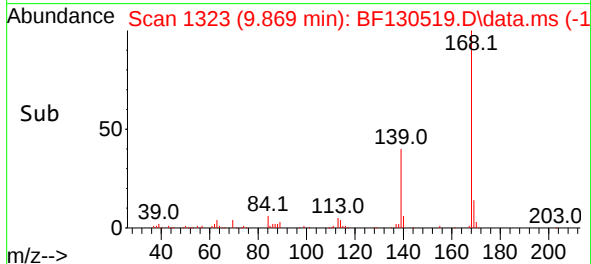
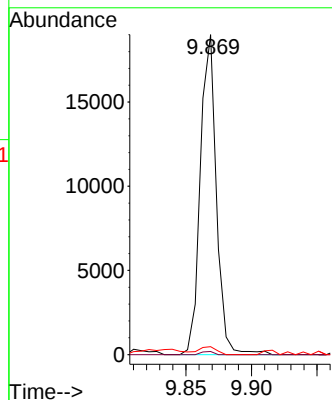
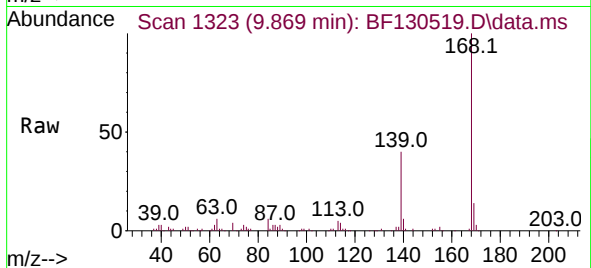




#56
4-Nitrophenol
Concen: 7.068 ng
RT: 9.869 min Scan# 1282
Delta R.T. 0.059 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

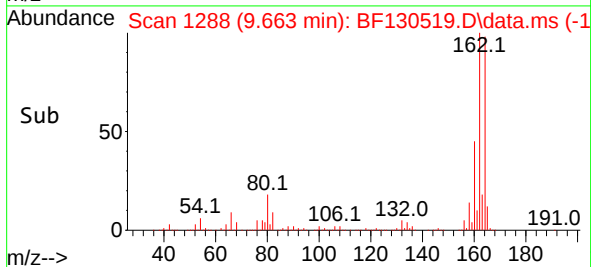
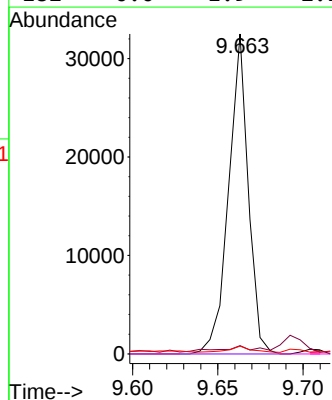
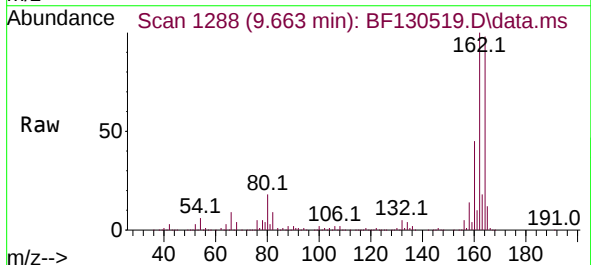
Instrument :
BNA_F
ClientSampleId :

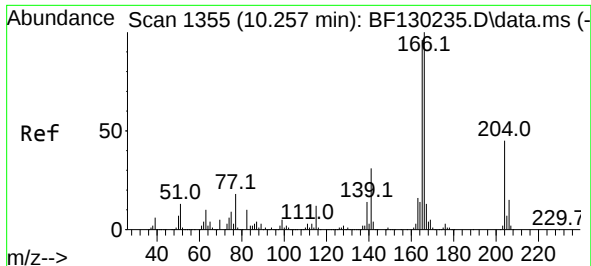
Tgt Ion:139 Resp: 16177
Ion Ratio Lower Upper
139 100
109 1.0 72.2 112.2#
65 2.5 97.7 137.7#



#57
2,4-Dinitrotoluene
Concen: 7.203 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.212 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion:165 Resp: 25961
Ion Ratio Lower Upper
165 100
63 2.6 44.7 67.1#
89 2.4 69.0 103.4#
182 0.0 1.9 2.9#

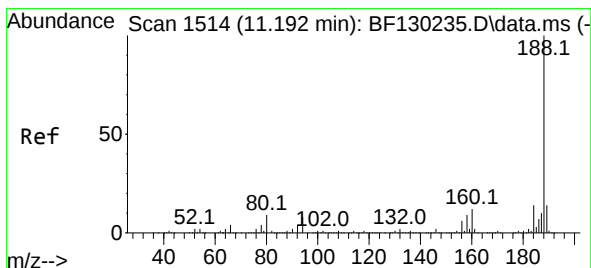
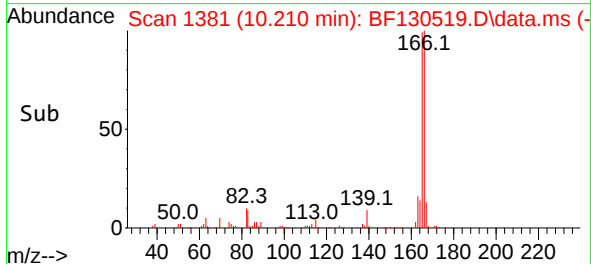
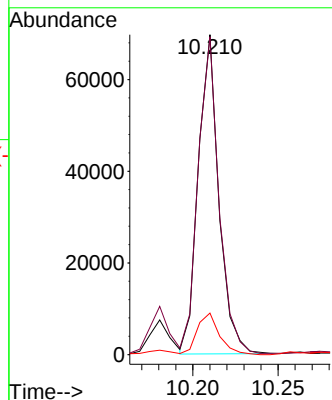
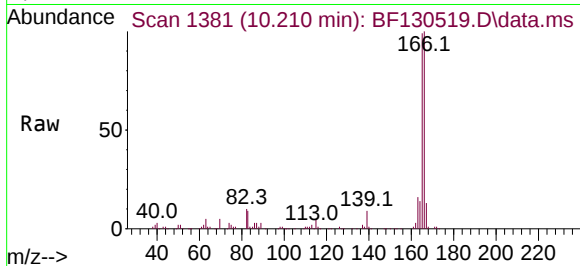




#58
Fluorene
Concen: 4.430 ng
RT: 10.210 min Scan# 1355
Delta R.T. -0.017 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

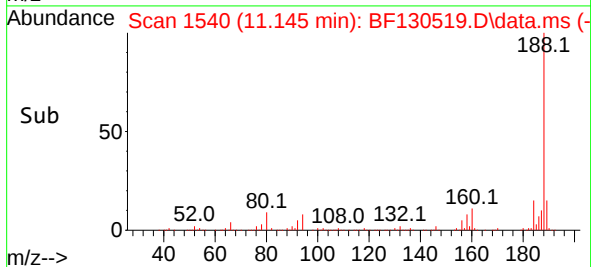
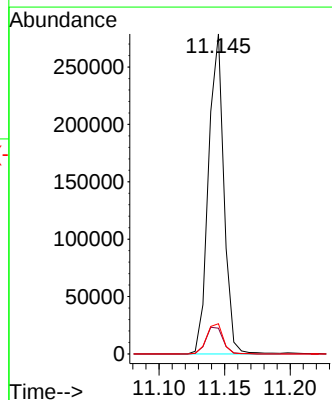
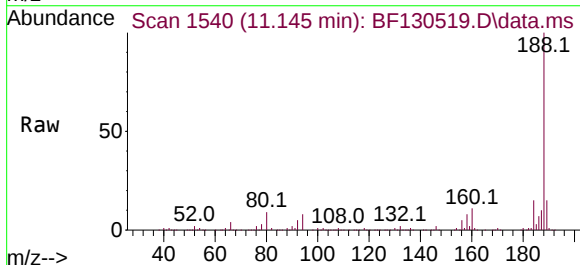
Instrument :
BNA_F
ClientSampleId :

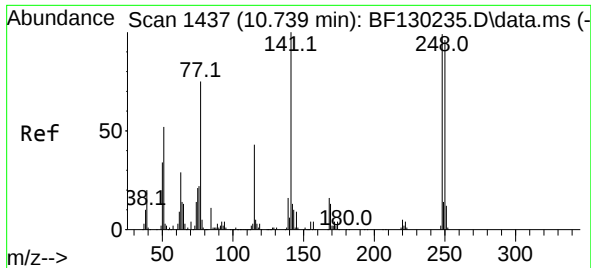
Tgt Ion:166 Resp: 58548
Ion Ratio Lower Upper
166 100
165 99.3 78.8 118.2
167 13.0 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Tgt Ion:188 Resp: 227375
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 9.4 7.9 11.9

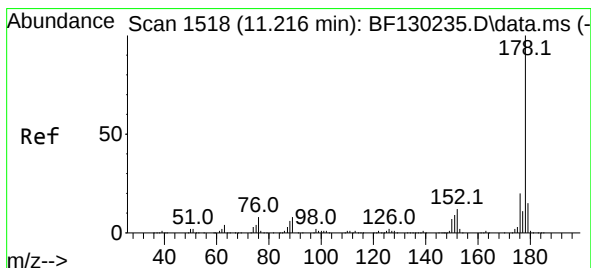
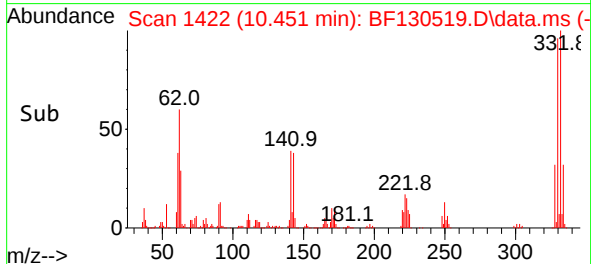
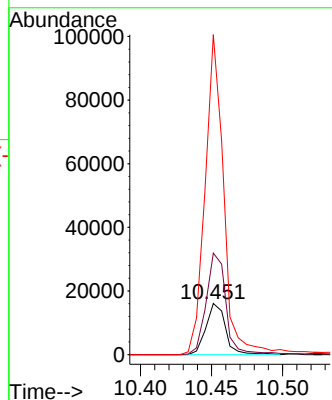
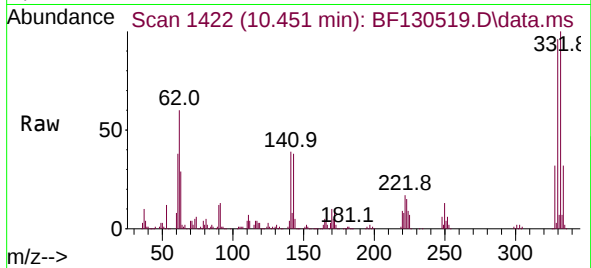




#67
4-Bromophenyl-phenylether
Concen: 6.118 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.259 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

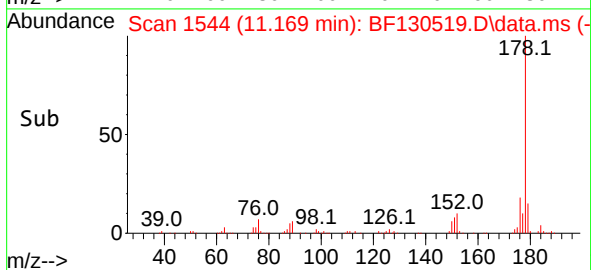
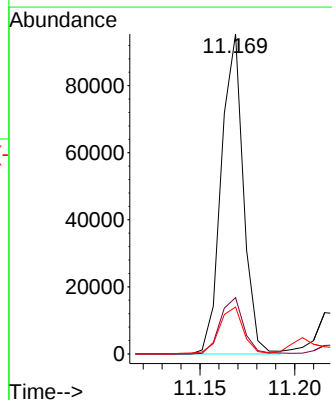
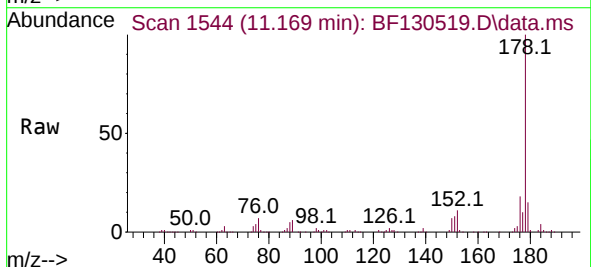
Instrument :
BNA_F
ClientSampleId :

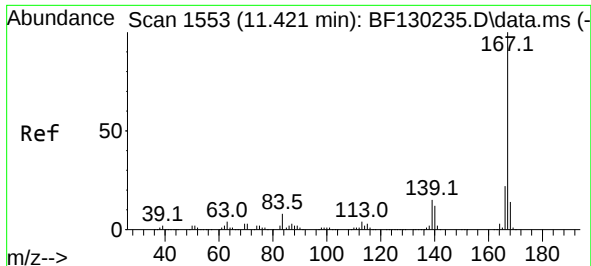
Tgt Ion:248 Resp: 15346
Ion Ratio Lower Upper
248 100
250 198.9 80.0 120.0#
141 626.6 68.5 102.7#



#71
Phenanthrene
Concen: 6.060 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.018 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

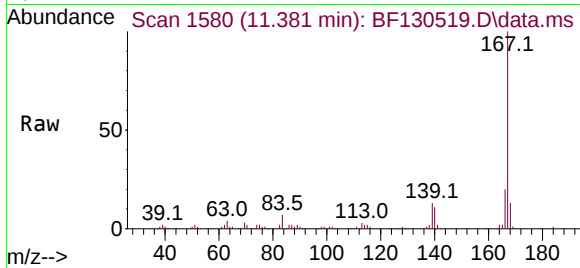
Tgt Ion:178 Resp: 77355
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.0
179 14.6 12.4 18.6



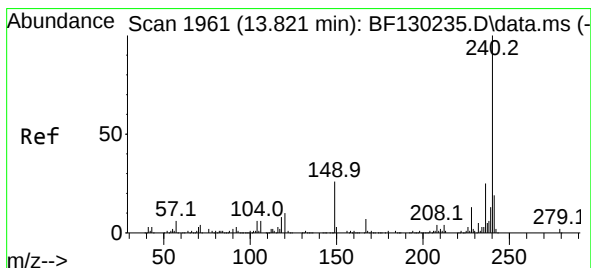
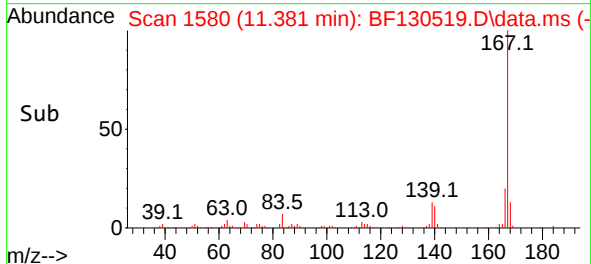
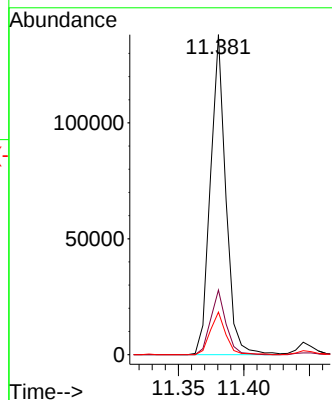


#73
 Carbazole
 Concen: 10.148 ng
 RT: 11.381 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF130519.D
 Acq: 04 Oct 2022 15:41

Instrument :
 BNA_F
 ClientSampleId :

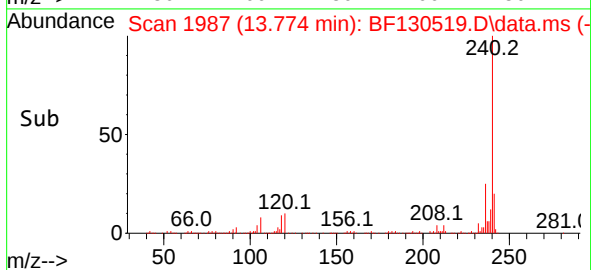
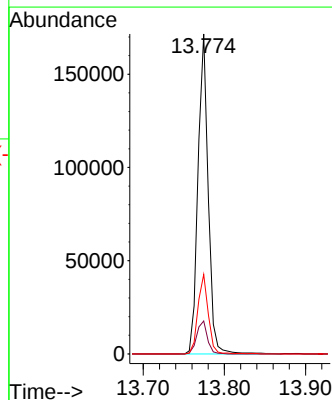
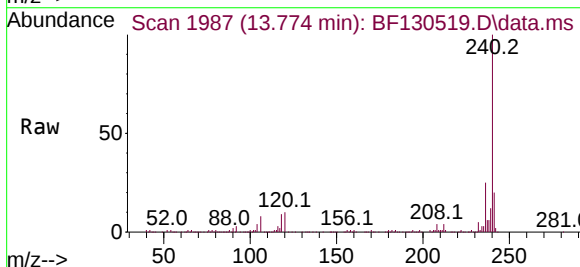


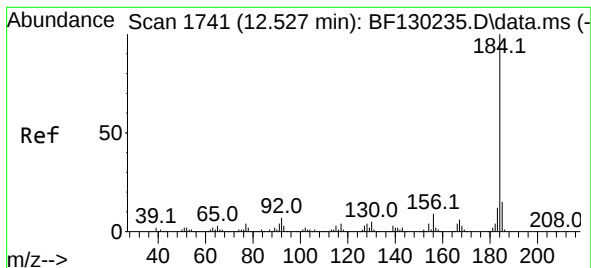
Tgt Ion:167 Resp: 112829
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.2
 139 13.3 11.6 17.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.774 min Scan# 1987
 Delta R.T. -0.018 min
 Lab File: BF130519.D
 Acq: 04 Oct 2022 15:41

Tgt Ion:240 Resp: 149525
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.7 13.1
 236 24.8 20.9 31.3





#77

Benzidine

Concen: 23.453 ng

RT: 12.486 min Scan# 11

Delta R.T. -0.012 min

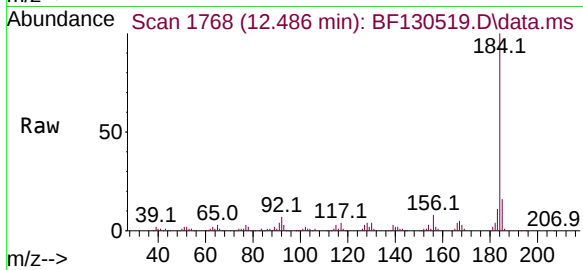
Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

Instrument :

BNA_F

ClientSampleId :



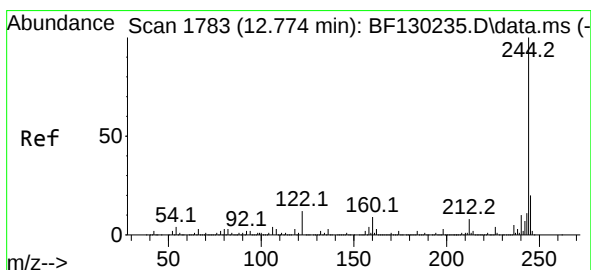
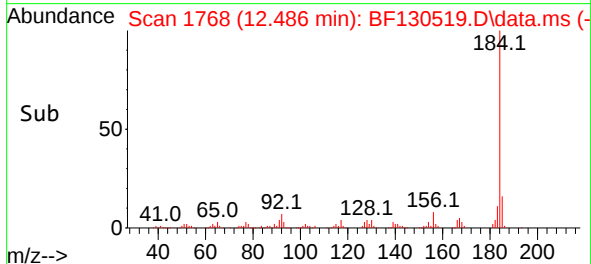
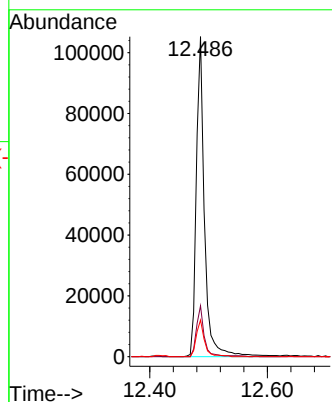
Tgt Ion:184 Resp: 101798

Ion Ratio Lower Upper

184 100

185 15.9 11.8 17.6

183 11.4 9.1 13.7



#79

Terphenyl-d14

Concen: 92.928 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF130519.D

Acq: 04 Oct 2022 15:41

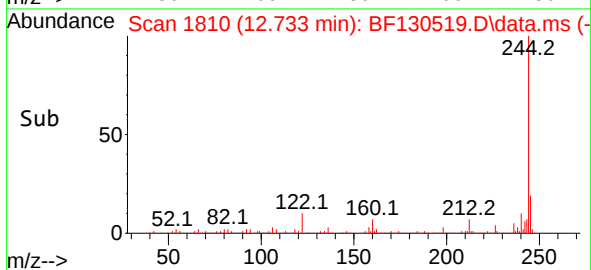
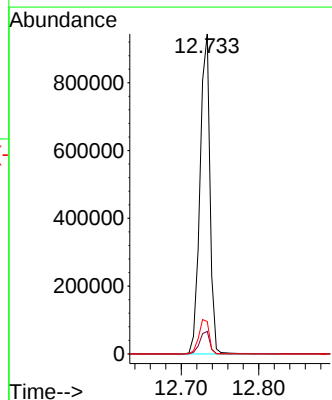
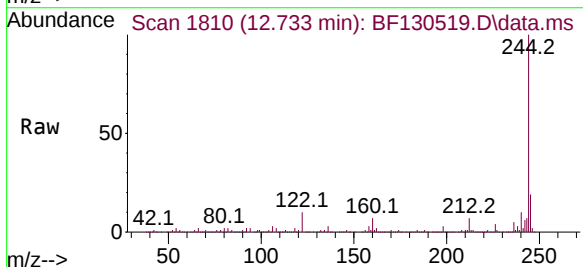
Tgt Ion:244 Resp: 838826

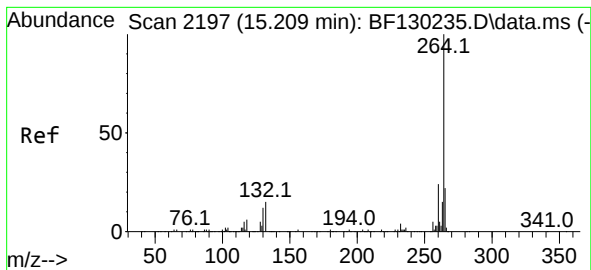
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

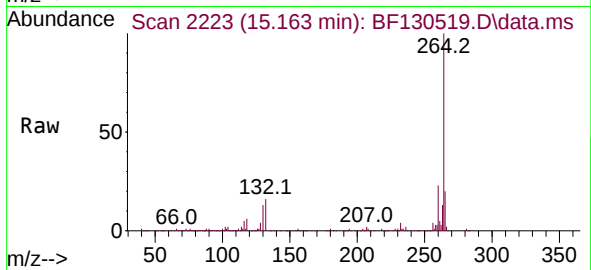
122 10.1 8.5 12.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.163 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF130519.D
Acq: 04 Oct 2022 15:41

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:264 Resp: 180066

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.3	28.9
265	19.8	17.0	25.4

