

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
 Data File : BF125911.D
 Acq On : 19 Oct 2021 21:06
 Operator : JU/CG
 Sample : M4253-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 131

Quant Time: Oct 20 09:30:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

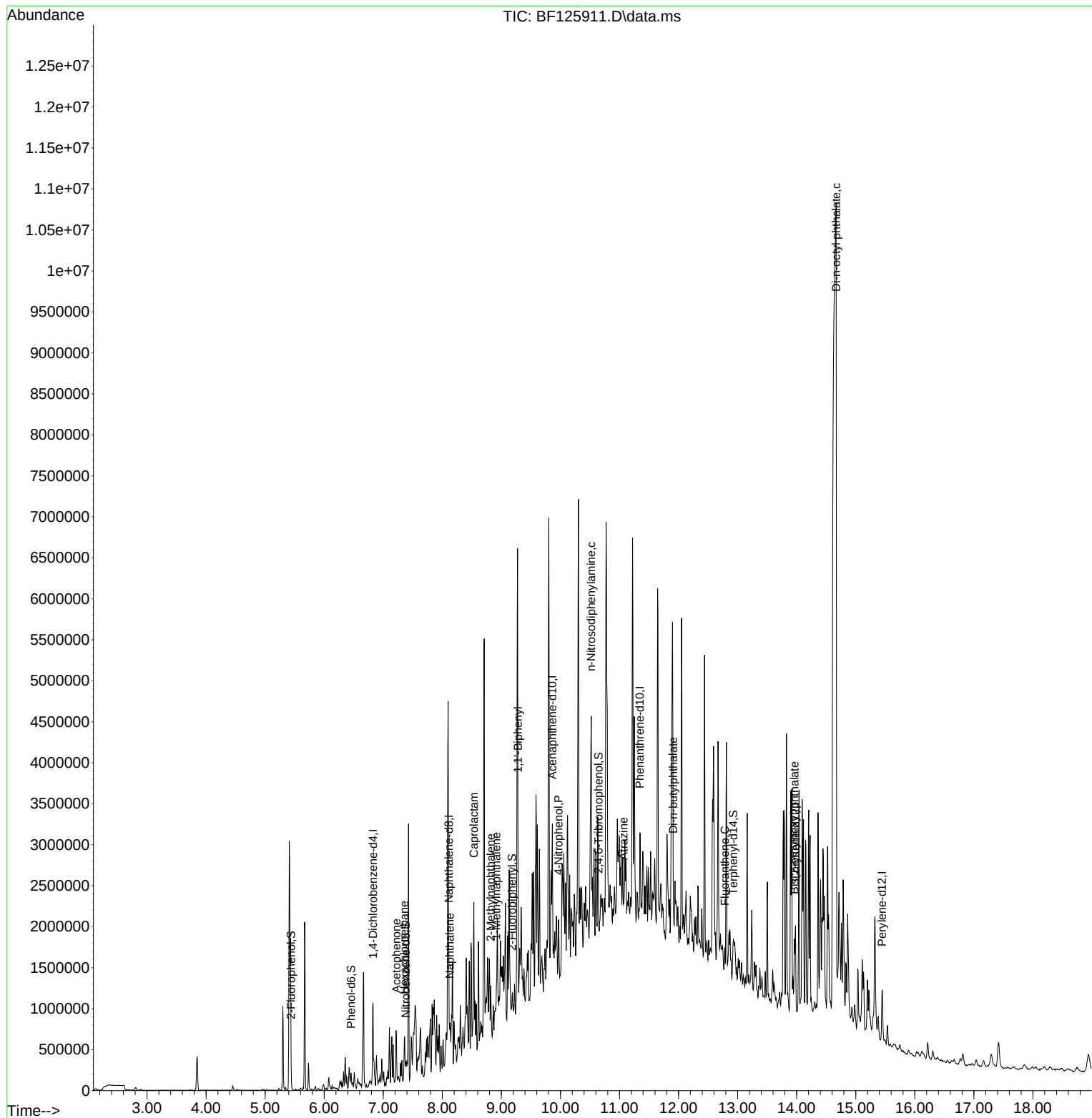
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	155916	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	568612	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	271586	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	458958	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	338585	20.000	ng	0.00
86) Perylene-d12	15.445	264	256302	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	56177	5.886	ng	0.00
7) Phenol-d6	6.457	99	69091	5.623	ng	0.00
23) Nitrobenzene-d5	7.381	82	41043	4.487	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	14878	5.549	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	73842	4.690	ng	0.00
79) Terphenyl-d14	12.927	244	77387	3.482	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.357	117	26726	6.673	ng	# 1
22) Acetophenone	7.222	105	74748	5.980	ng	# 52
31) Naphthalene	8.128	128	67796	2.466	ng	# 90
35) Caprolactam	8.534	113	35119	15.114	ng	# 35
37) 2-Methylnaphthalene	8.822	142	150338	8.443	ng	99
38) 1-Methylnaphthalene	8.916	142	86275	4.993	ng	99
46) 1,1'-Biphenyl	9.281	154	43285	2.168	ng	97
56) 4-Nitrophenol	9.969	139	6736	2.115	ng	# 1
66) n-Nitrosodiphenylamine	10.522	169	60014	3.833	ng	# 65
69) Atrazine	11.069	200	13883	3.055	ng	80
74) Di-n-butylphthalate	11.910	149	59317	2.354	ng	# 91
75) Fluoranthene	12.786	202	44522	2.009	ng	87
84) Bis(2-ethylhexyl)phtha...	13.963	149	274915	22.915	ng	99
85) Di-n-octyl phthalate	14.668	149	4221268	211.187	ng	# 83

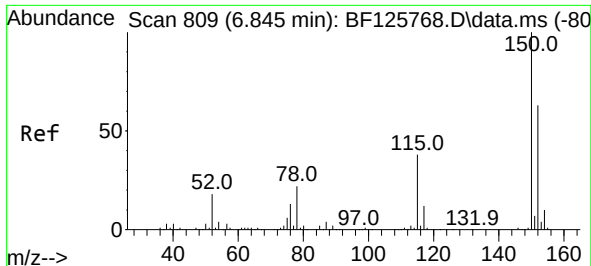
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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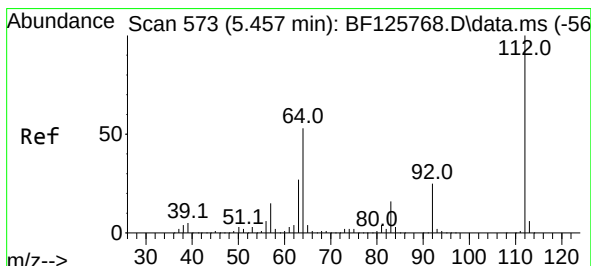
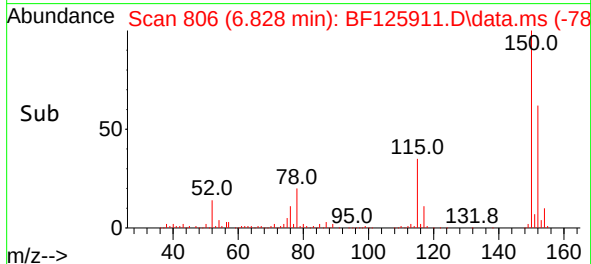
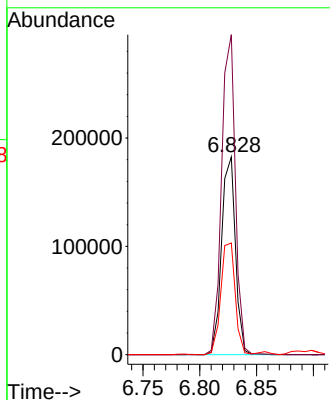
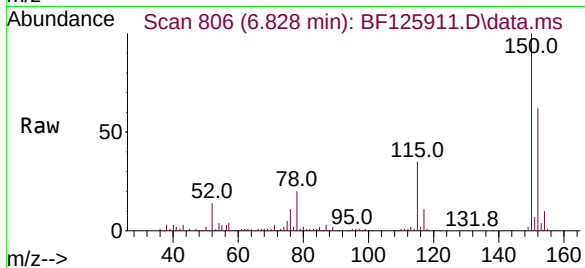




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

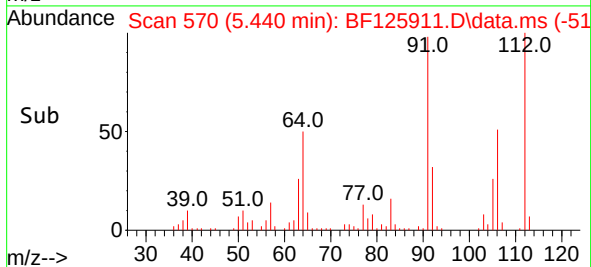
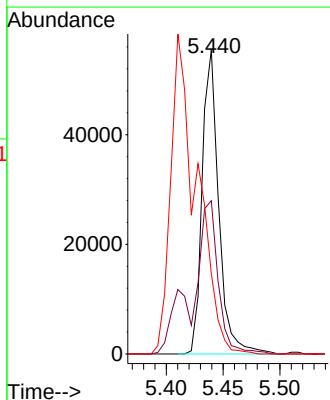
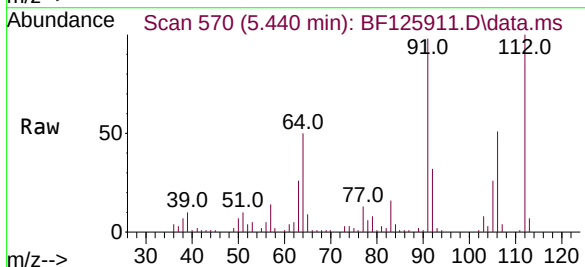
Instrument :
BNA_F
ClientSampleId :
131

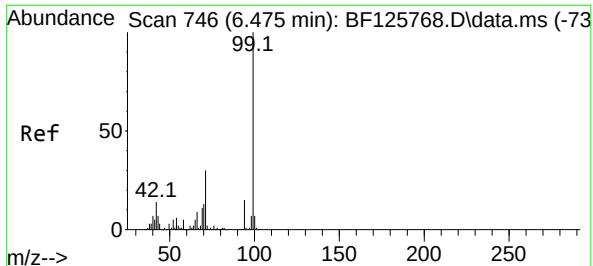
Tgt Ion:152 Resp: 155916
Ion Ratio Lower Upper
152 100
150 161.8 117.6 176.4
115 56.5 47.1 70.7



#5
2-Fluorophenol
Concen: 5.886 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion:112 Resp: 56177
Ion Ratio Lower Upper
112 100
64 50.4 44.2 66.2
63 26.4 26.2 39.2

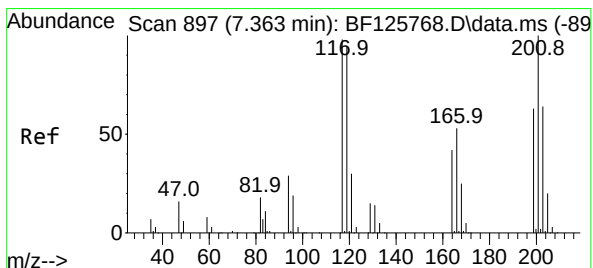
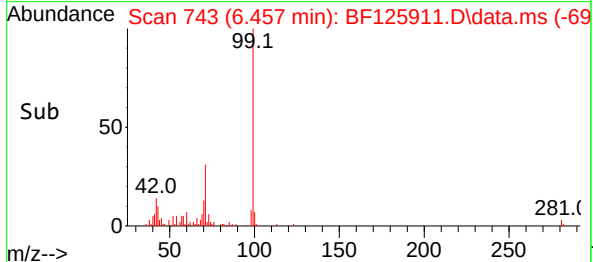
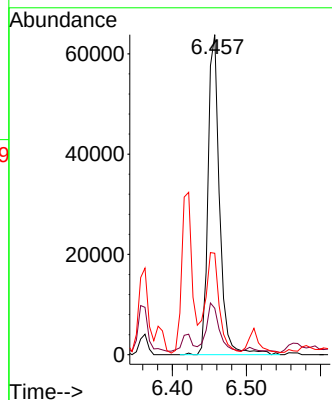
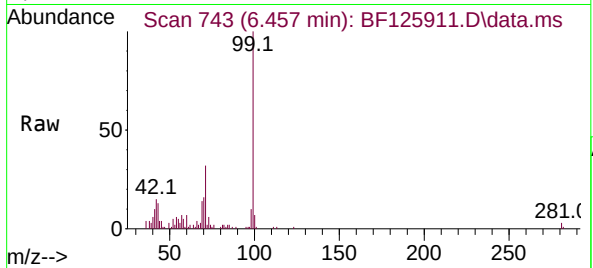




#7
Phenol-d6
Concen: 5.623 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

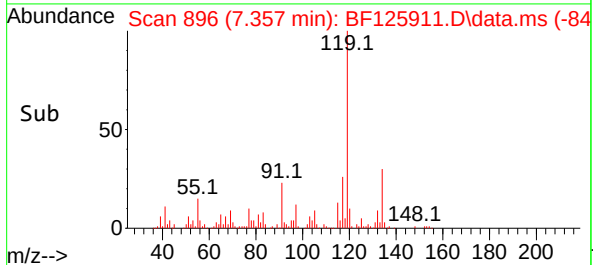
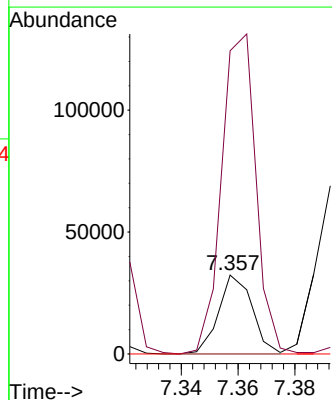
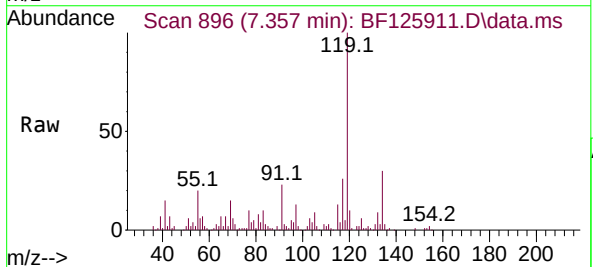
Instrument :
BNA_F
ClientSampleId :
131

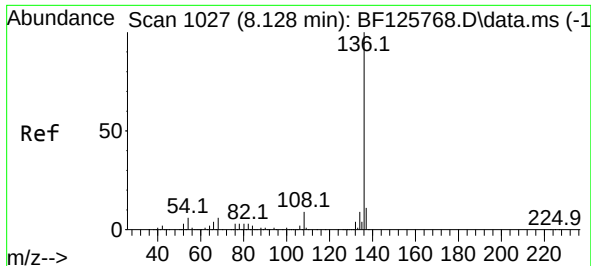
Tgt Ion: 99 Resp: 69091
Ion Ratio Lower Upper
99 100
42 14.5 23.5 35.3#
71 31.7 25.6 38.4



#18
Hexachloroethane
Concen: 6.673 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.018 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion: 117 Resp: 26726
Ion Ratio Lower Upper
117 100
119 384.0 73.4 110.2#
201 0.0 64.9 97.3#



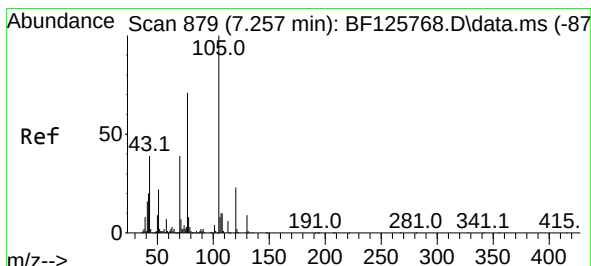
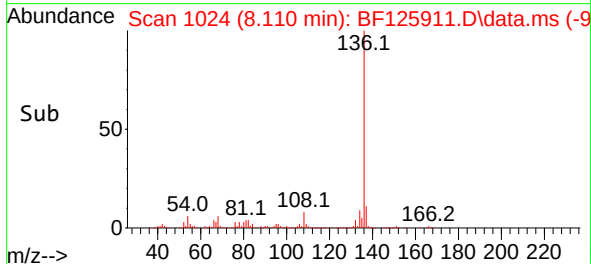
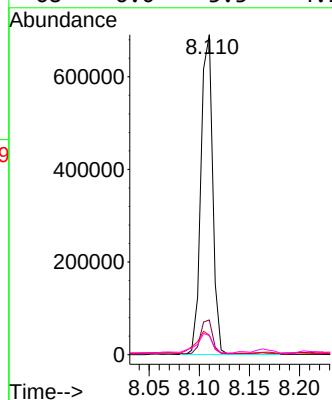
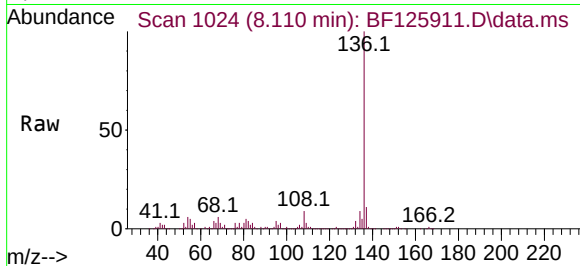


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Instrument :
BNA_F
ClientSampleId :
131

Tgt Ion:136 Resp: 568612

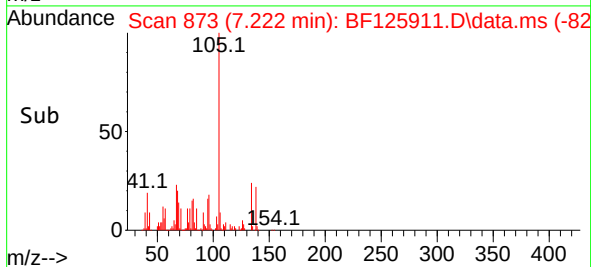
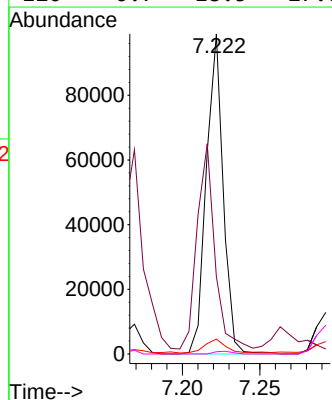
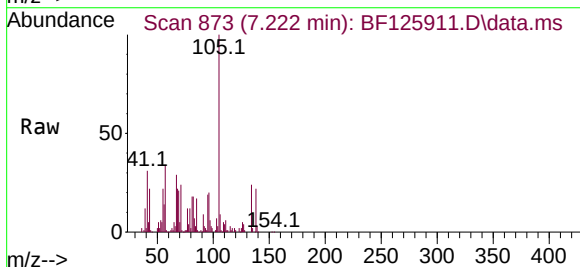
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.8	14.6
54	6.1	6.4	9.6#
68	6.0	3.3	4.9#

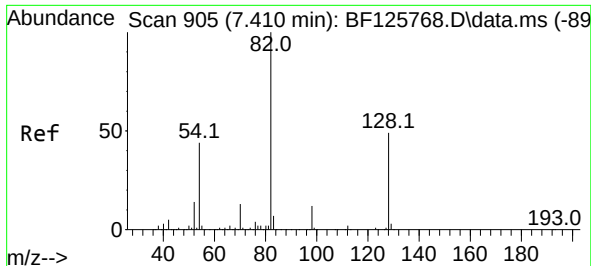


#22
Acetophenone
Concen: 5.980 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.018 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion:105 Resp: 74748

Ion	Ratio	Lower	Upper
105	100		
71	24.2	5.5	8.3#
51	4.6	26.0	39.0#
120	0.7	18.5	27.7#





#23

Nitrobenzene-d5

Concen: 4.487 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF125911.D

Acq: 19 Oct 2021 21:06

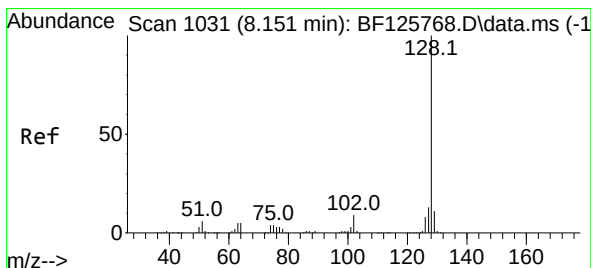
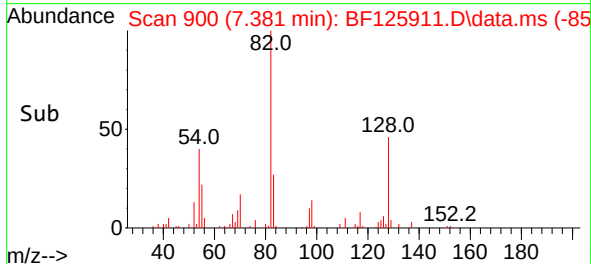
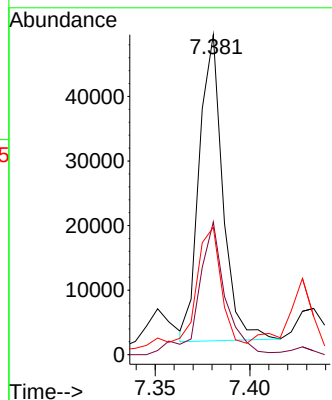
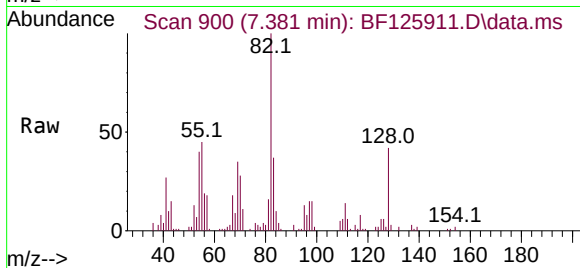
Instrument :

BNA_F

ClientSampled :

131

Tgt Ion:	82	Resp:	41043
Ion	Ratio	Lower	Upper
82	100		
128	41.5	40.6	60.8
54	39.8	49.6	74.4#



#31

Naphthalene

Concen: 2.466 ng

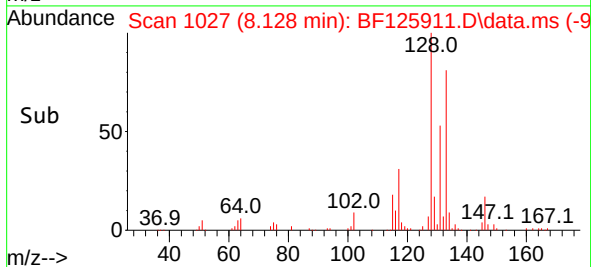
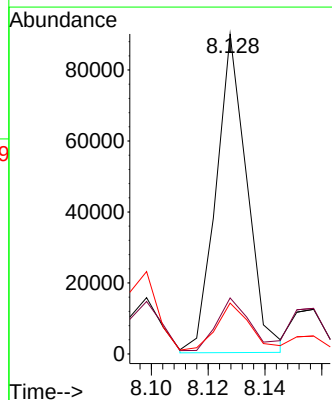
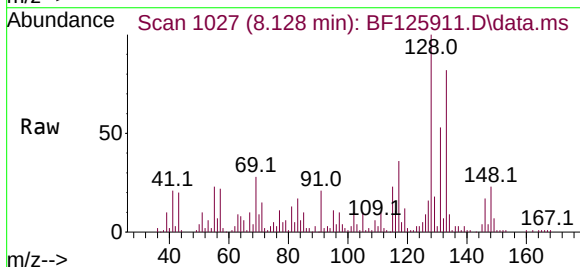
RT: 8.128 min Scan# 1027

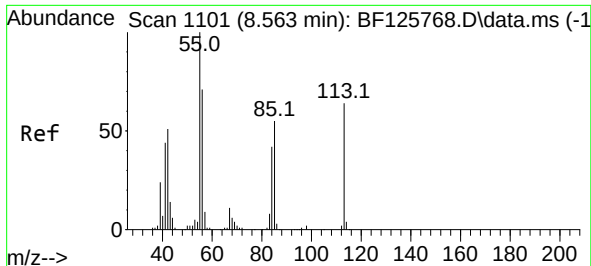
Delta R.T. 0.000 min

Lab File: BF125911.D

Acq: 19 Oct 2021 21:06

Tgt Ion:	128	Resp:	67796
Ion	Ratio	Lower	Upper
128	100		
129	17.5	9.4	14.0#
127	15.9	10.9	16.3

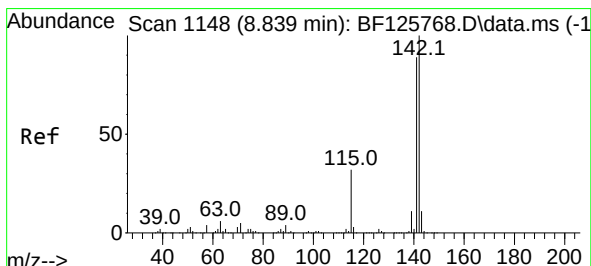
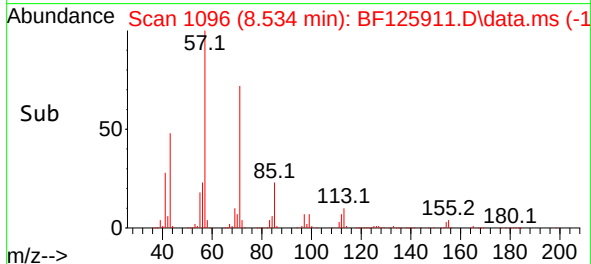
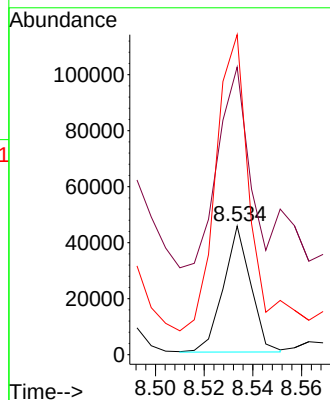
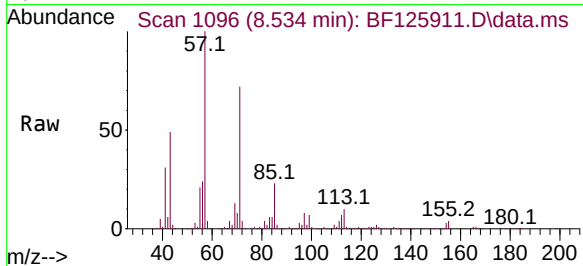




#35
Caprolactam
Concen: 15.114 ng
RT: 8.534 min Scan# 1096
Delta R.T. -0.012 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

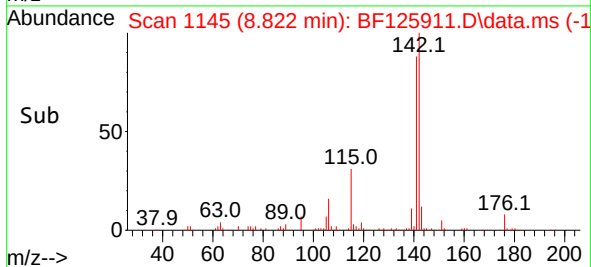
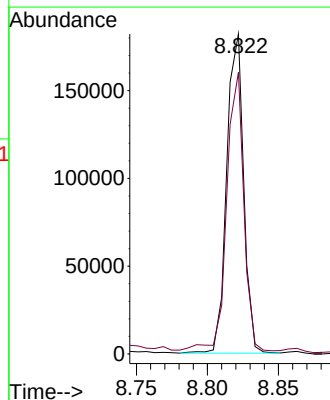
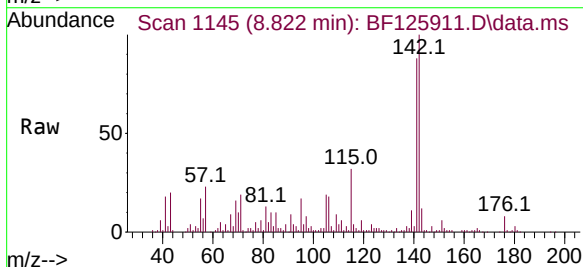
Instrument :
BNA_F
ClientSampled :
131

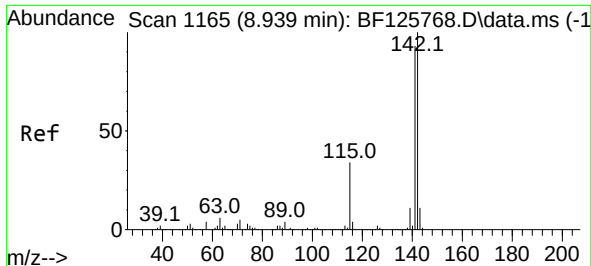
Tgt Ion:113 Resp: 35119
Ion Ratio Lower Upper
113 100
55 223.7 154.1 194.1#
56 248.8 108.7 148.7#



#37
2-Methylnaphthalene
Concen: 8.443 ng
RT: 8.822 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion:142 Resp: 150338
Ion Ratio Lower Upper
142 100
141 88.1 71.2 106.8

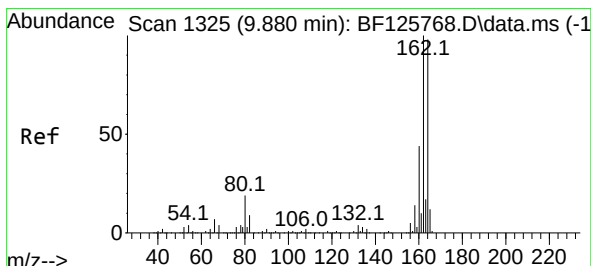
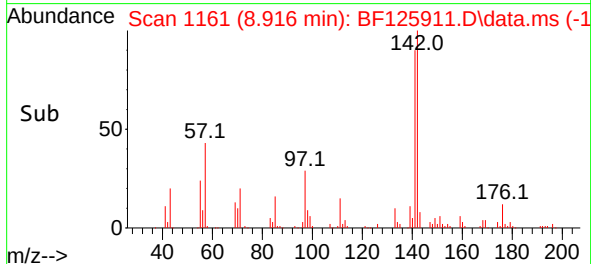
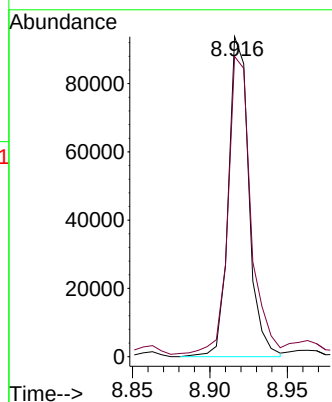
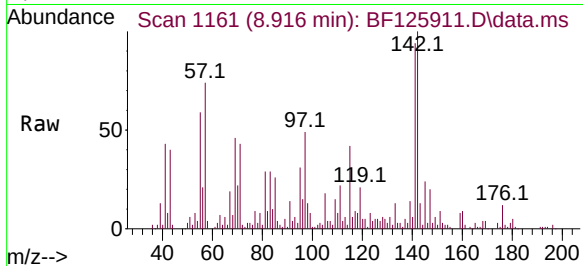




#38
1-Methylnaphthalene
Concen: 4.993 ng
RT: 8.916 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

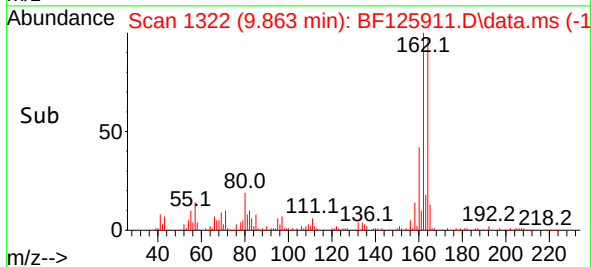
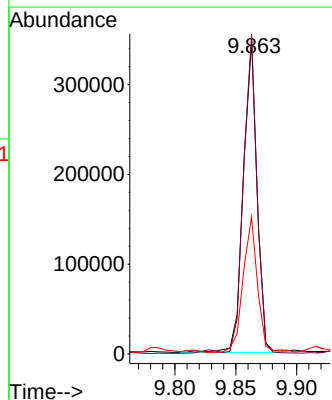
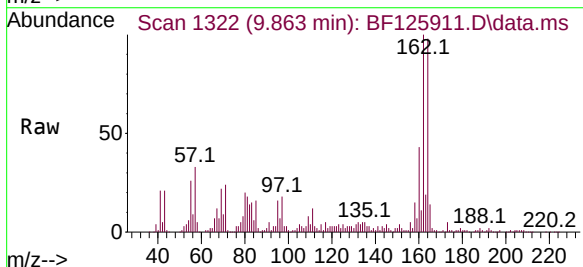
Instrument :
BNA_F
ClientSampleId :
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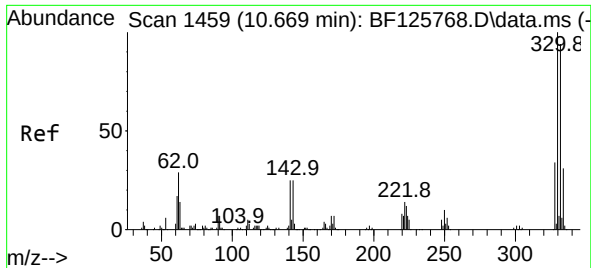
Tgt Ion:142 Resp: 86275
Ion Ratio Lower Upper
142 100
141 93.8 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion:164 Resp: 271586
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 43.8 38.0 57.0

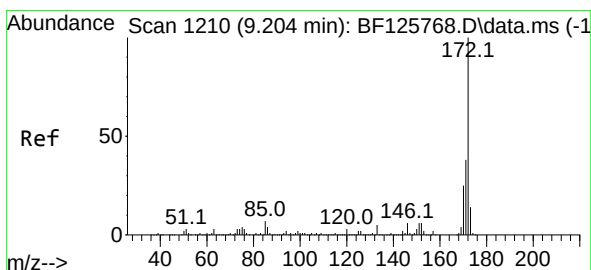
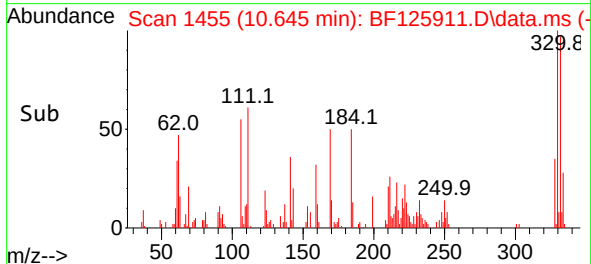
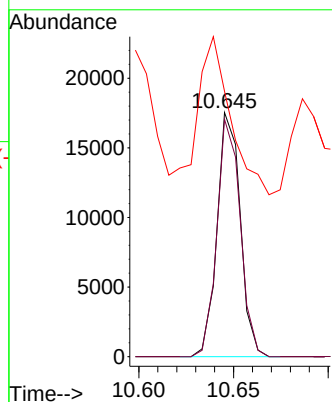
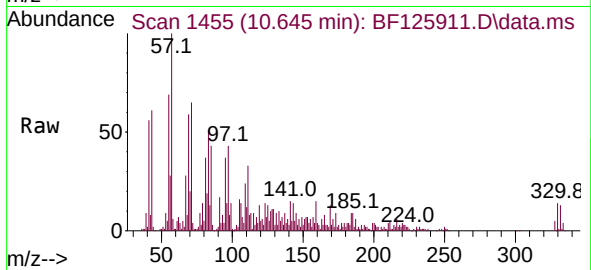




#42
2,4,6-Tribromophenol
Concen: 5.549 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

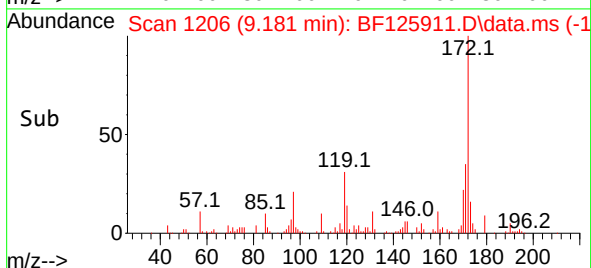
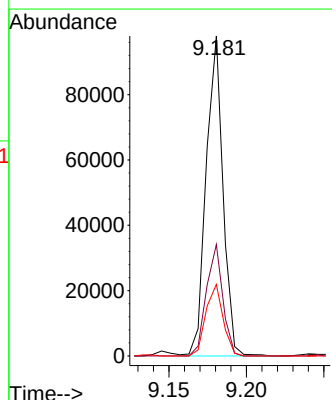
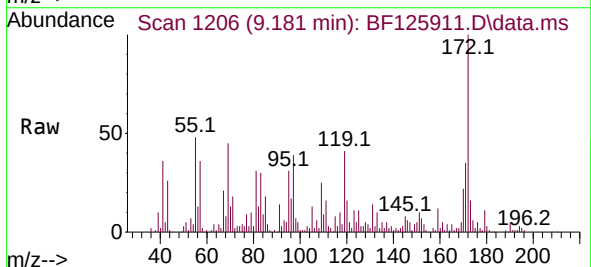
Instrument :
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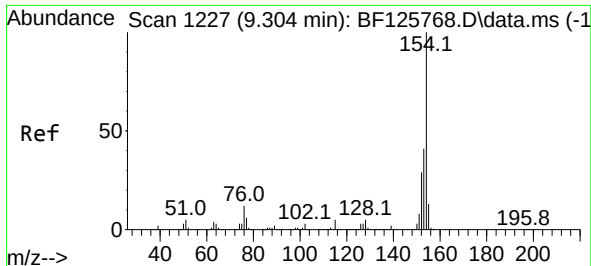
Tgt Ion: 330 Resp: 14878
Ion Ratio Lower Upper
330 100
332 97.8 76.2 114.4
141 92.4 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 4.690 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion: 172 Resp: 73842
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 22.4 18.8 28.2

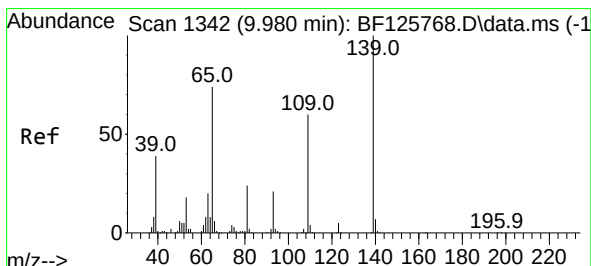
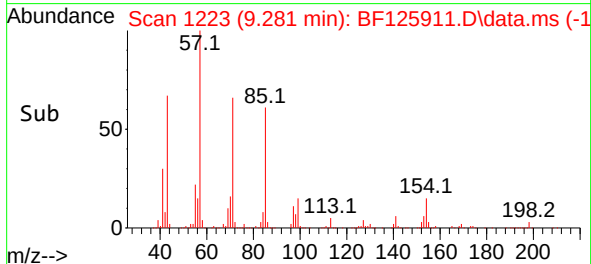
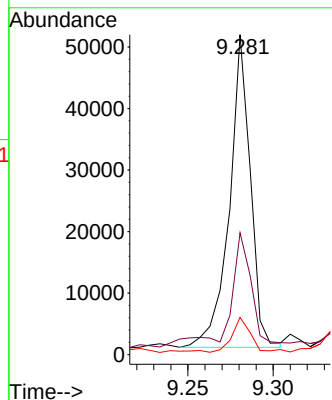
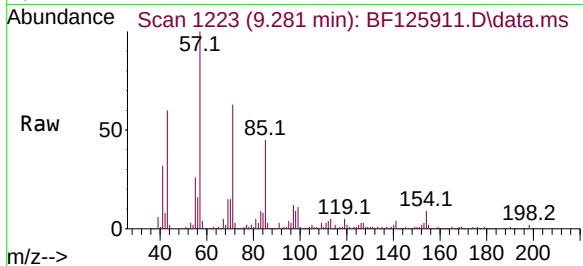




#46
1,1'-Biphenyl
Concen: 2.168 ng
RT: 9.281 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

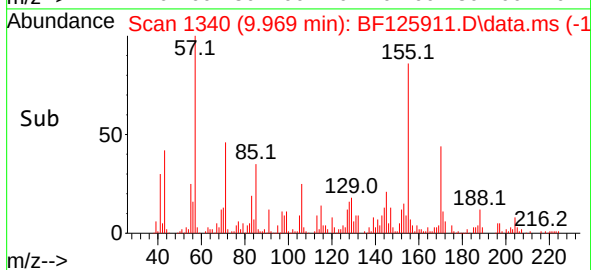
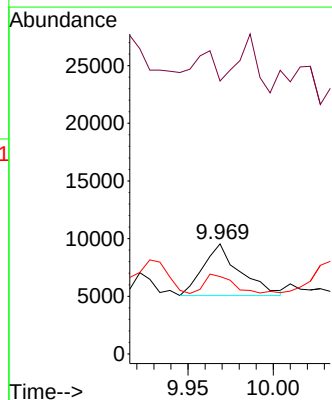
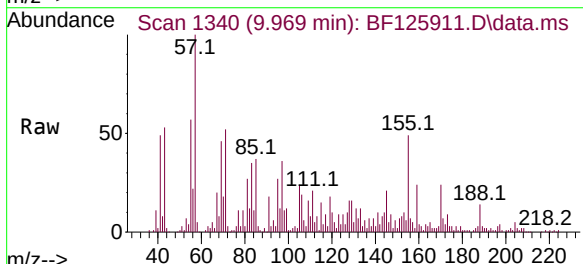
Instrument :
BNA_F
ClientSampleId :
131

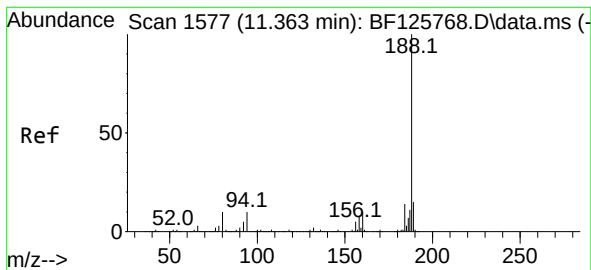
Tgt Ion:154 Resp: 43285
Ion Ratio Lower Upper
154 100
153 38.1 20.0 60.0
76 11.7 0.0 30.3



#56
4-Nitrophenol
Concen: 2.115 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion:139 Resp: 6736
Ion Ratio Lower Upper
139 100
109 248.0 60.4 100.4#
65 70.4 58.4 98.4

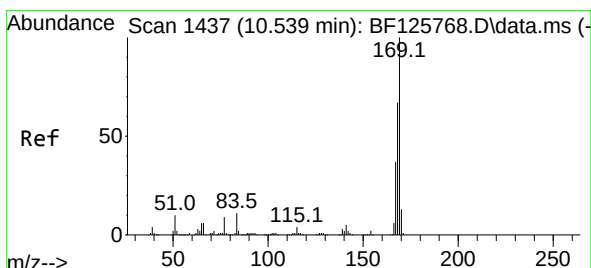
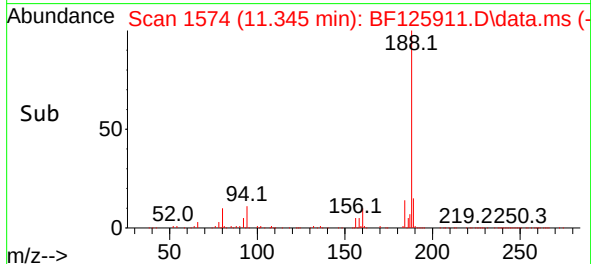
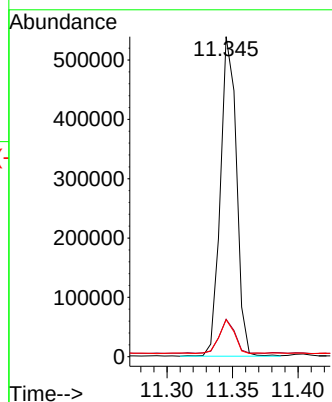
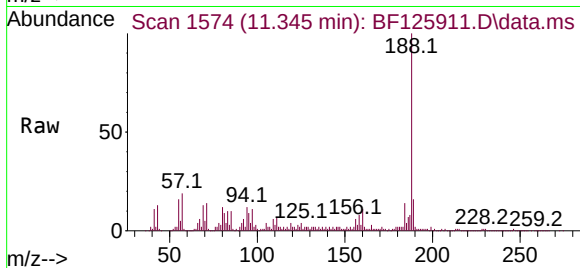




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.006 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

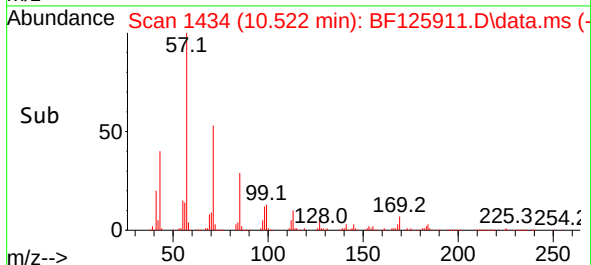
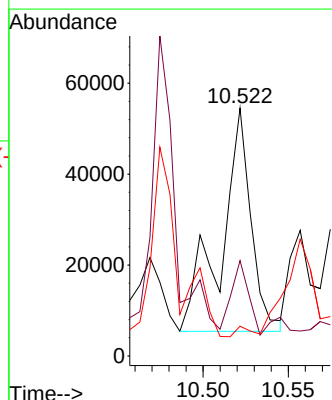
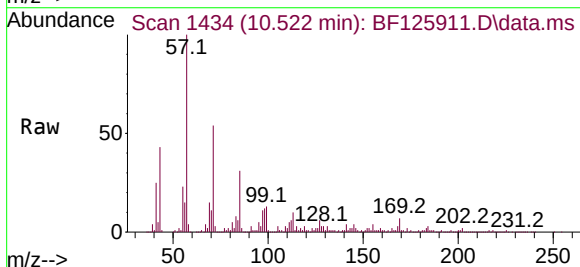
Instrument :
BNA_F
ClientSampleId :
131

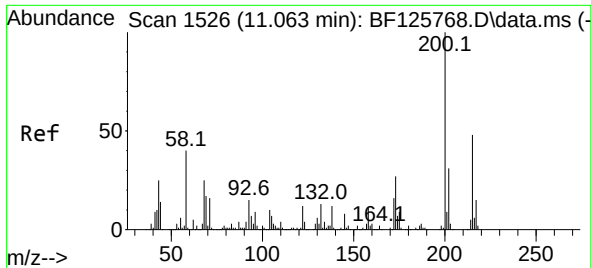
Tgt Ion:188 Resp: 458958
Ion Ratio Lower Upper
188 100
94 11.7 6.7 10.1#
80 11.6 7.5 11.3#



#66
n-Nitrosodiphenylamine
Concen: 3.833 ng
RT: 10.522 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion:169 Resp: 60014
Ion Ratio Lower Upper
169 100
168 38.5 50.8 76.2#
167 12.0 28.8 43.2#

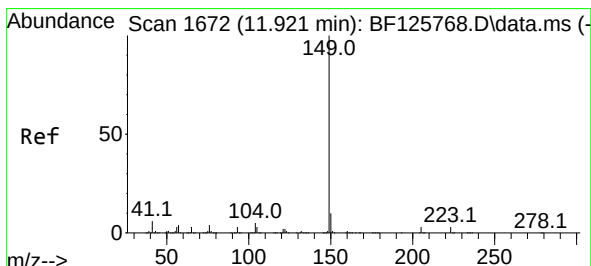
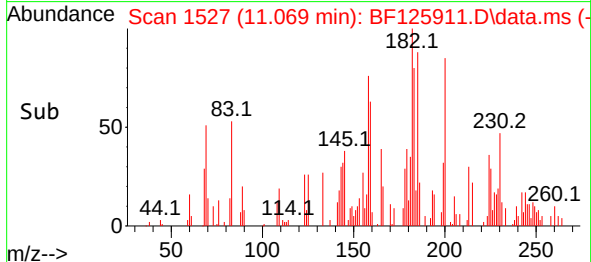
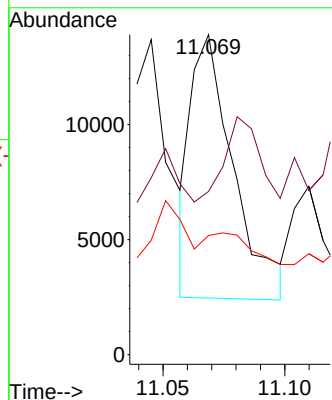
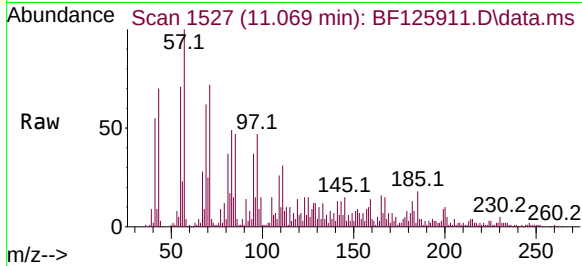




#69
Atrazine
Concen: 3.055 ng
RT: 11.069 min Scan# 1527
Delta R.T. 0.024 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

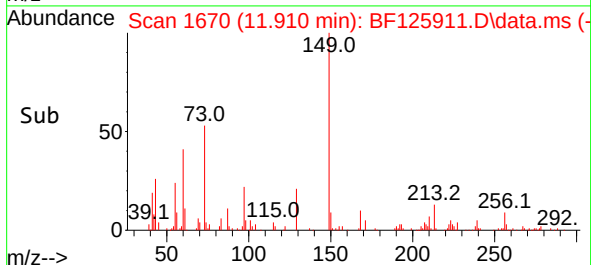
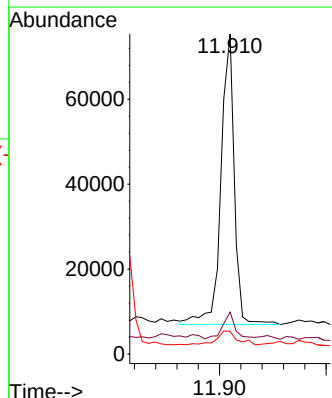
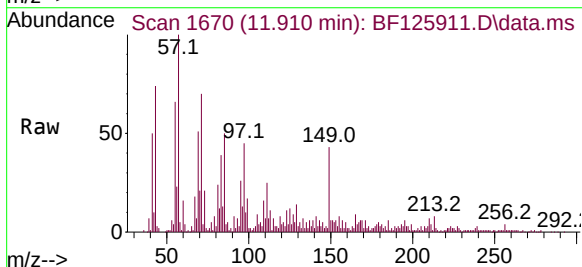
Instrument :
BNA_F
ClientSampleId :
131

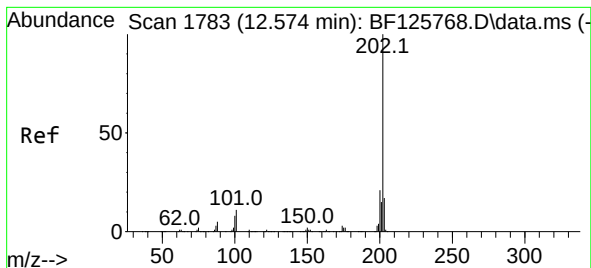
Tgt Ion:200 Resp: 13883
Ion Ratio Lower Upper
200 100
173 51.0 11.1 51.1
215 37.3 22.7 62.7



#74
Di-n-butylphthalate
Concen: 2.354 ng
RT: 11.910 min Scan# 1670
Delta R.T. 0.006 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion:149 Resp: 59317
Ion Ratio Lower Upper
149 100
150 13.1 7.4 11.2#
104 7.0 4.1 6.1#

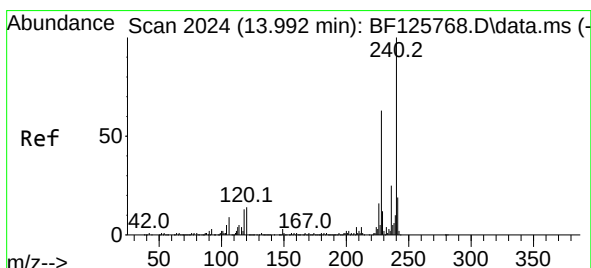
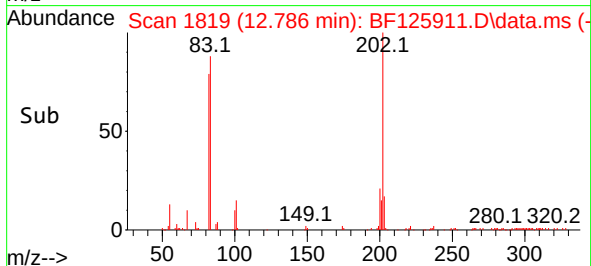
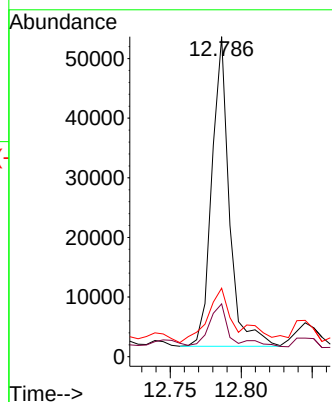
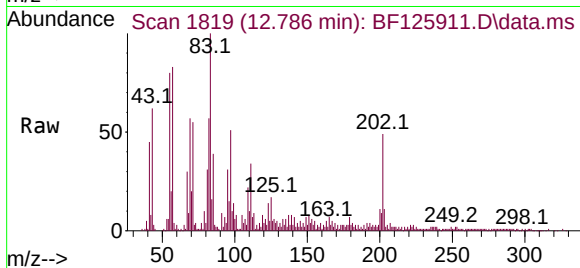




#75
Fluoranthene
Concen: 2.009 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.235 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

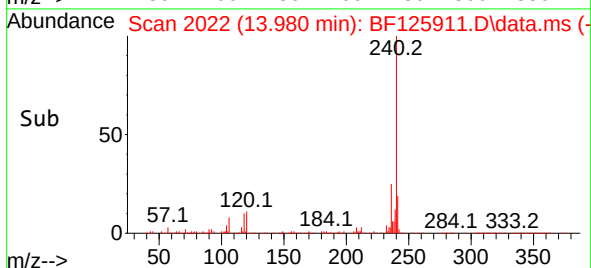
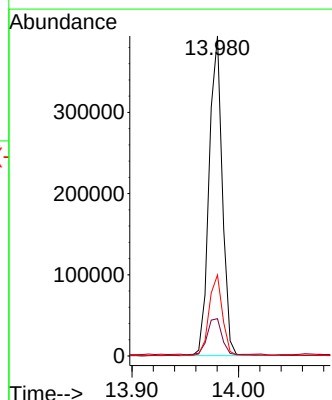
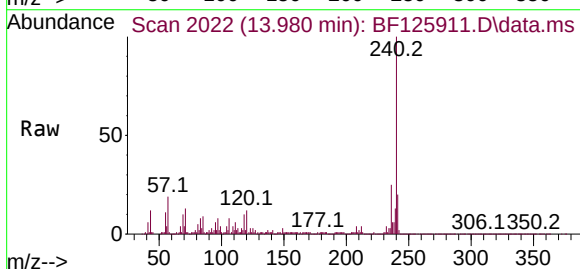
Instrument :
BNA_F
ClientSampleId :
131

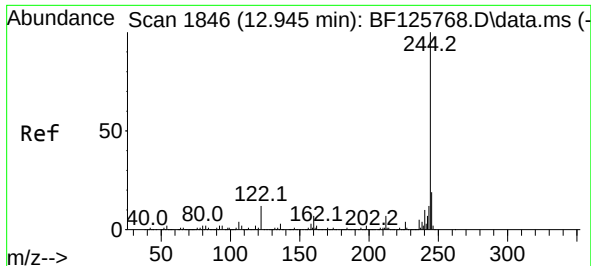
Tgt Ion:	202	Resp:	44522
Ion Ratio	Lower	Upper	
202	100		
101	16.5	0.0	30.7
203	21.4	0.0	36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion:	240	Resp:	338585
Ion Ratio	Lower	Upper	
240	100		
120	11.6	10.8	16.2
236	25.3	21.6	32.4

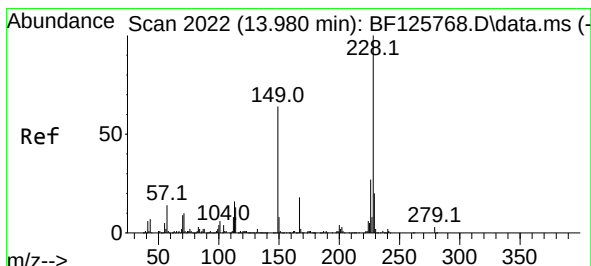
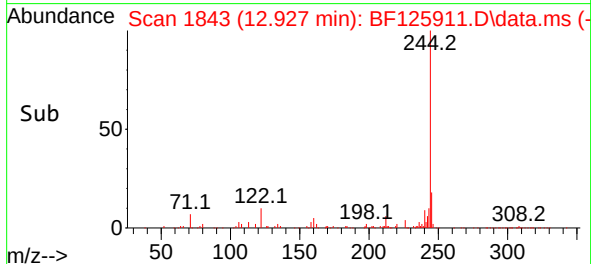
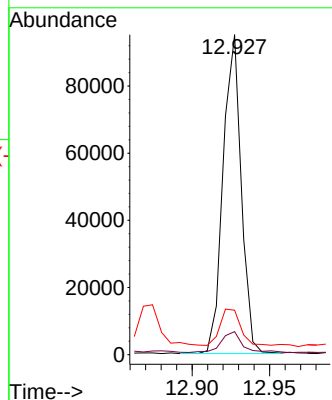
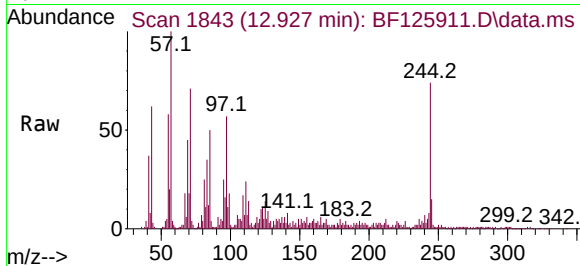




#79
 Terphenyl-d14
 Concen: 3.482 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF125911.D
 Acq: 19 Oct 2021 21:06

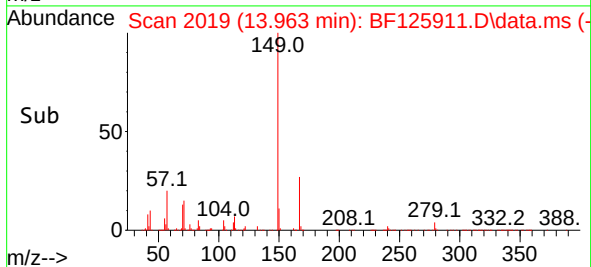
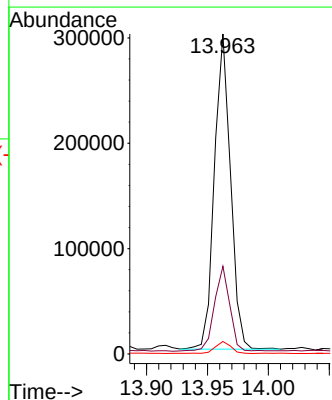
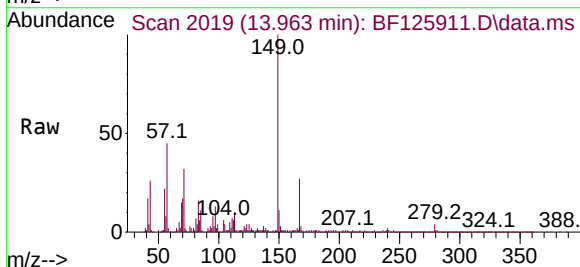
Instrument :
 BNA_F
 ClientSampleId :
 131

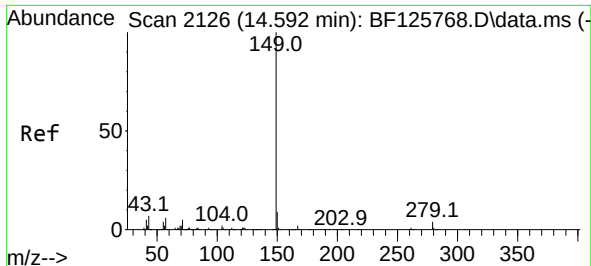
Tgt Ion:244 Resp: 77387
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 13.9 9.0 13.4#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 22.915 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF125911.D
 Acq: 19 Oct 2021 21:06

Tgt Ion:149 Resp: 274915
 Ion Ratio Lower Upper
 149 100
 167 27.4 21.4 32.0
 279 3.9 2.6 4.0

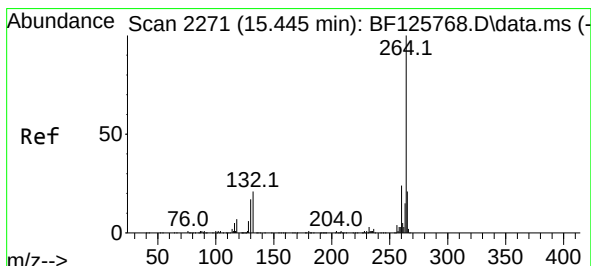
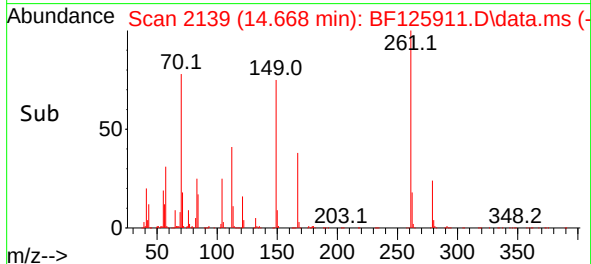
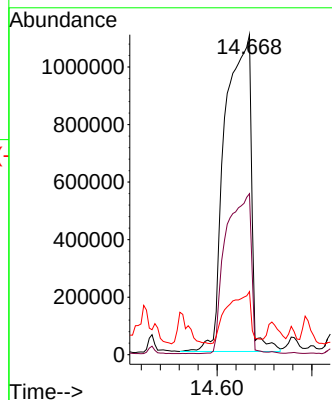
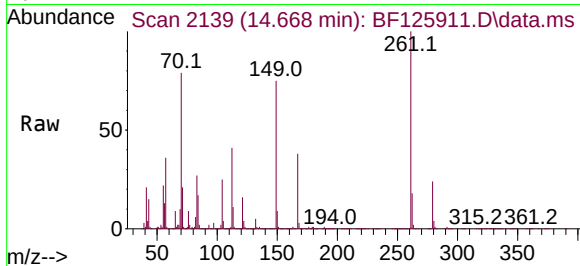




#85
Di-n-octyl phthalate
Concen: 211.187 ng
RT: 14.668 min Scan# 2139
Delta R.T. 0.100 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Instrument :
BNA_F
ClientSampled :
131

Tgt Ion:149 Resp: 4221268
Ion Ratio Lower Upper
149 100
167 48.8 1.0 1.6#
43 15.0 9.9 14.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.024 min
Lab File: BF125911.D
Acq: 19 Oct 2021 21:06

Tgt Ion:264 Resp: 256302
Ion Ratio Lower Upper
264 100
260 23.0 19.6 29.4
265 21.3 17.2 25.8

