

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092821\
 Data File : BF125700.D
 Acq On : 28 Sep 2021 21:15
 Operator : JU/CG
 Sample : M3951-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-20210924

Quant Time: Sep 29 02:21:41 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 15:38:32 2021
 Response via : Initial Calibration

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

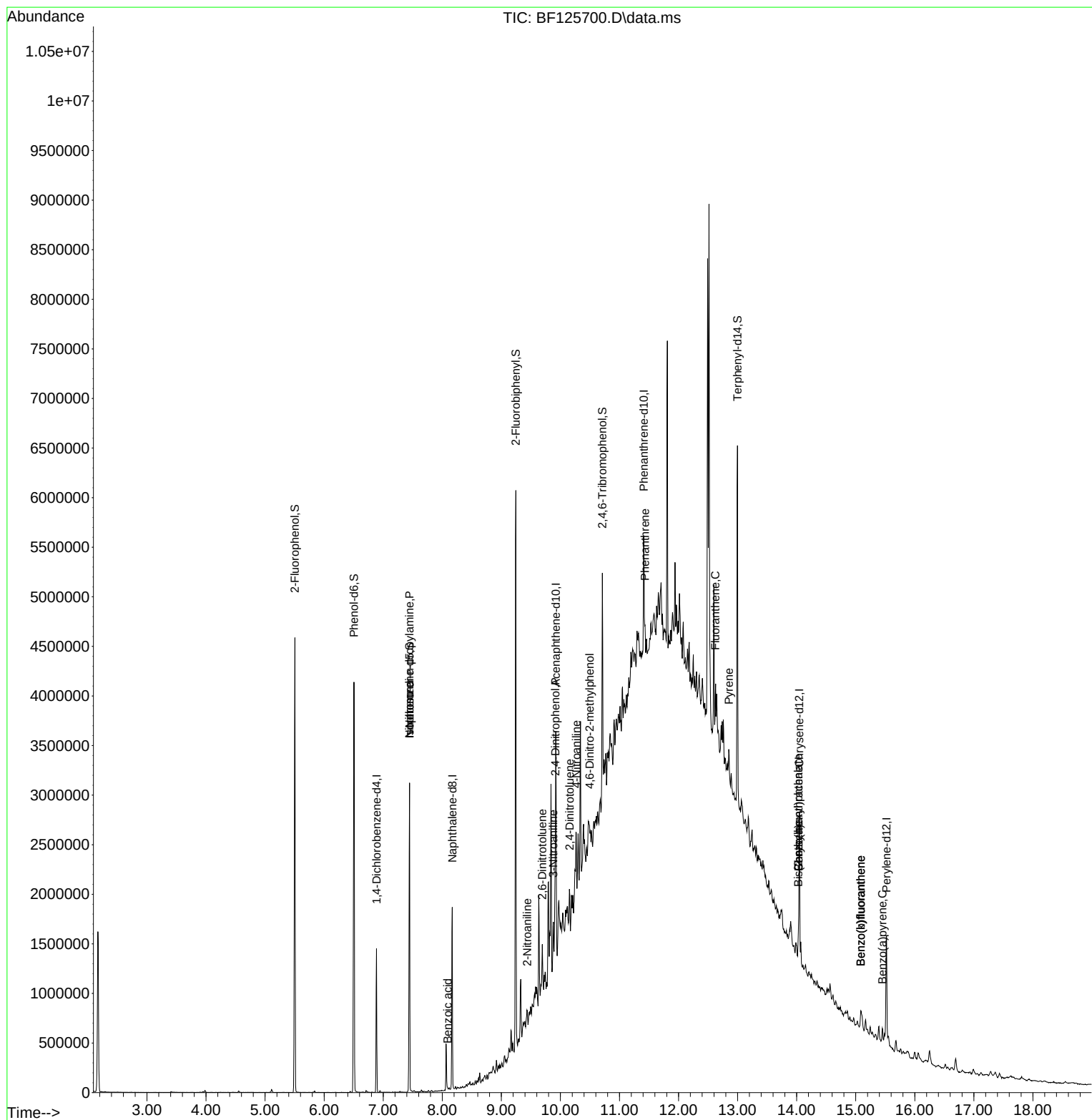
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	204835	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	830240	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	394737	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	539464	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	490342	20.000	ng	0.00
86) Perylene-d12	15.521	264	510118	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1383416	111.273	ng	0.00
7) Phenol-d6	6.504	99	1708941	102.242	ng	0.00
23) Nitrobenzene-d5	7.445	82	978703	82.223	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	378496	102.841	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1813646	82.100	ng	0.00
79) Terphenyl-d14	12.998	244	1439764	50.849	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	119	Below Cal		94
19) n-Nitroso-di-n-propyla...	7.445	70	124226	13.054	ng	# 51
25) Isophorone	7.445	82	976416	36.628	ng	# 59
32) Benzoic acid	8.092	122	122	8.639	ng	# 49
48) 2-Nitroaniline	9.439	65	2418	4.546	ng	# 86
51) 2,6-Dinitrotoluene	9.692	165	7613	5.402	ng	# 32
53) 3-Nitroaniline	9.881	138	14993	5.409	ng	# 26
54) 2,4-Dinitrophenol	9.916	184	107	4.476	ng	# 1
57) 2,4-Dinitrotoluene	10.157	165	6847	5.714	ng	# 32
62) 4-Nitroaniline	10.269	138	9921	3.468	ng	90
65) 4,6-Dinitro-2-methylph...	10.498	198	3298	10.033	ng	# 1
71) Phenanthrene	11.433	178	97899	3.236	ng	# 68
75) Fluoranthene	12.622	202	147007	4.547	ng	85
78) Pyrene	12.851	202	172734	3.898	ng	# 91
81) Benzo(a)anthracene	14.033	228	80469	2.416	ng	# 94
83) Chrysene	14.033	228	80469	2.407	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	51193	3.047	ng	# 96
88) Benzo(b)fluoranthene	15.086	252	131623	3.683	ng	# 88
89) Benzo(k)fluoranthene	15.086	252	131623	3.844	ng	# 87
90) Benzo(a)pyrene	15.451	252	72725	2.286	ng	# 94

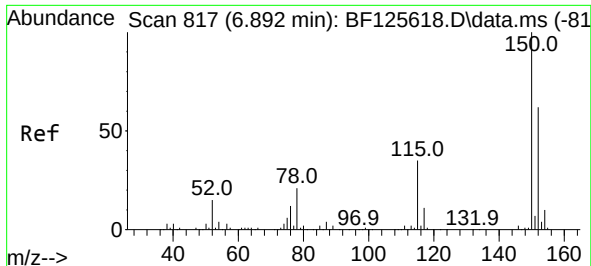
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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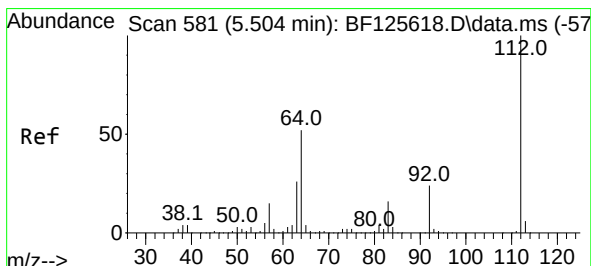
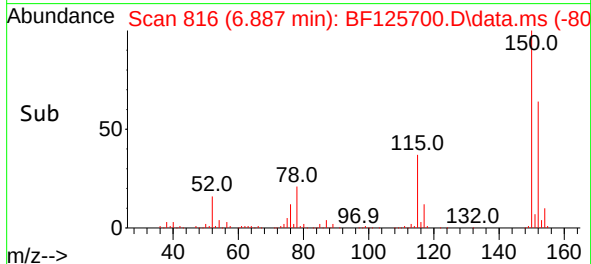
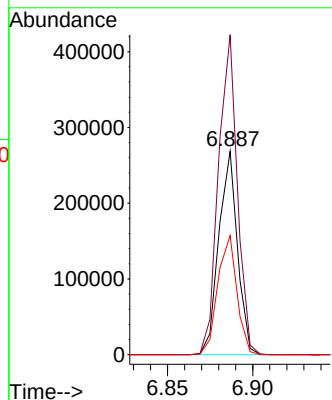
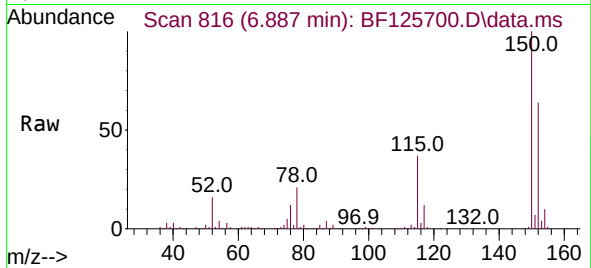




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.005 min
 Lab File: BF125700.D
 Acq: 28 Sep 2021 21:15

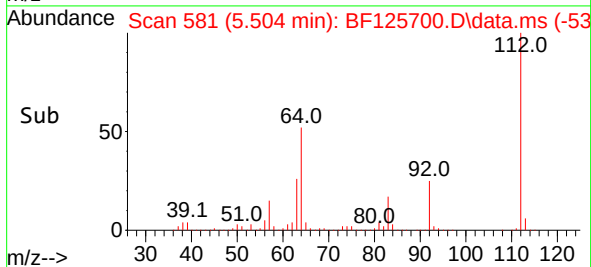
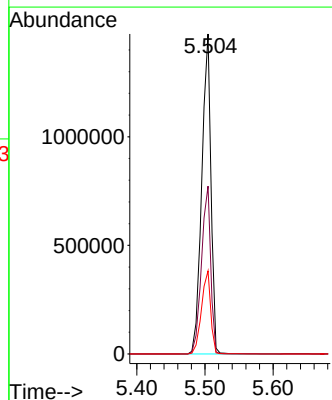
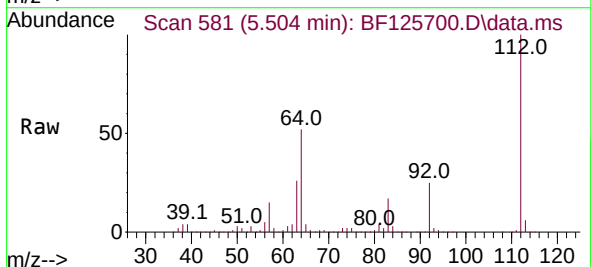
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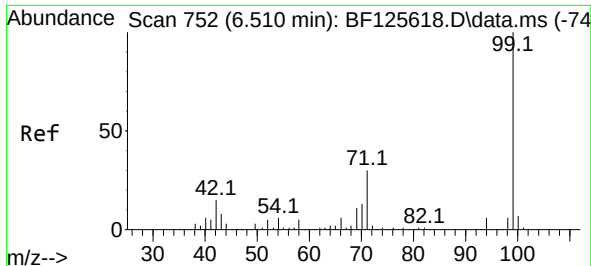
Tgt Ion:152 Resp: 204835
 Ion Ratio Lower Upper
 152 100
 150 157.3 117.6 176.4
 115 58.5 47.1 70.7



#5
 2-Fluorophenol
 Concen: 111.273 ng
 RT: 5.504 min Scan# 581
 Delta R.T. 0.000 min
 Lab File: BF125700.D
 Acq: 28 Sep 2021 21:15

Tgt Ion:112 Resp: 1383416
 Ion Ratio Lower Upper
 112 100
 64 52.4 44.2 66.2
 63 26.0 26.2 39.2#

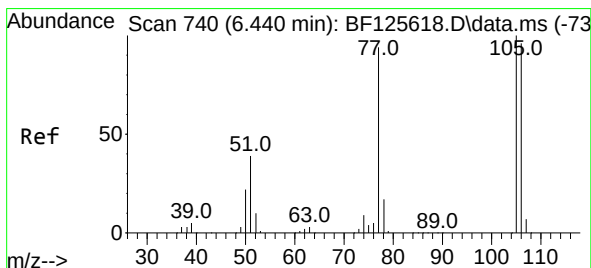
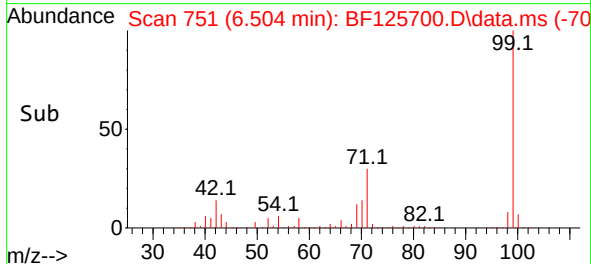
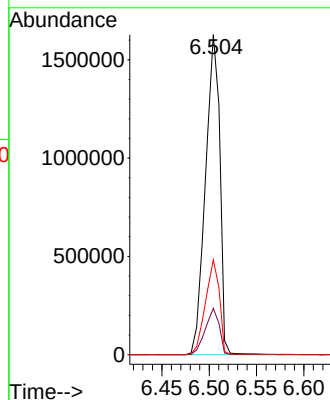
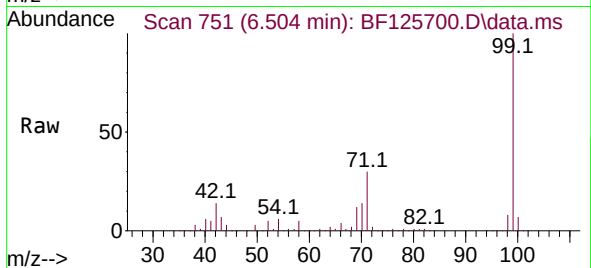




#7
Phenol-d6
Concen: 102.242 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

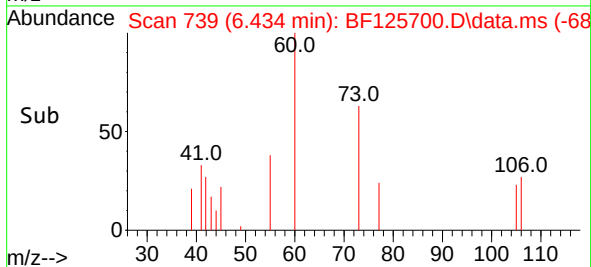
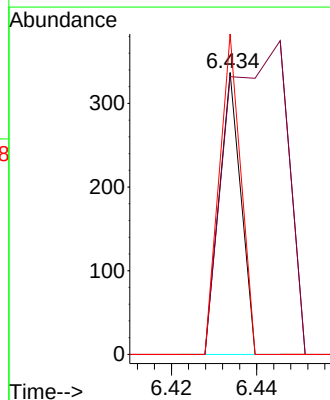
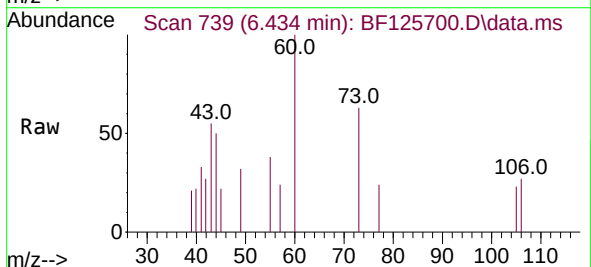
Instrument :
BNA_F
ClientSampleId :
WC-20210924

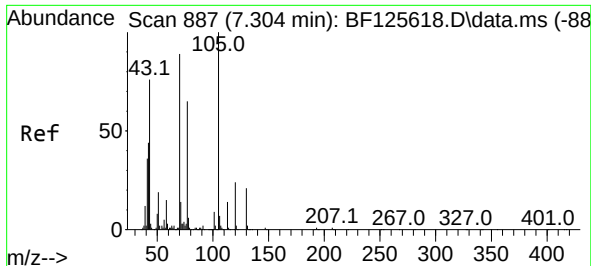
Tgt Ion: 99 Resp: 1708941
Ion Ratio Lower Upper
99 100
42 14.4 23.5 35.3#
71 29.7 25.6 38.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

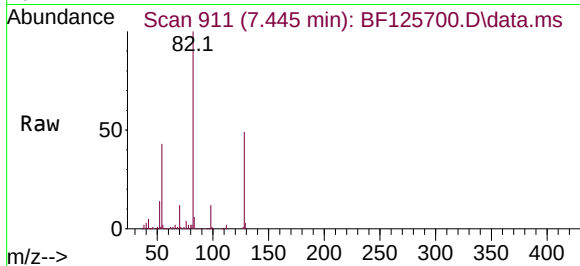
Tgt Ion: 77 Resp: 119
Ion Ratio Lower Upper
77 100
105 98.5 75.9 115.9
106 113.6 84.0 124.0



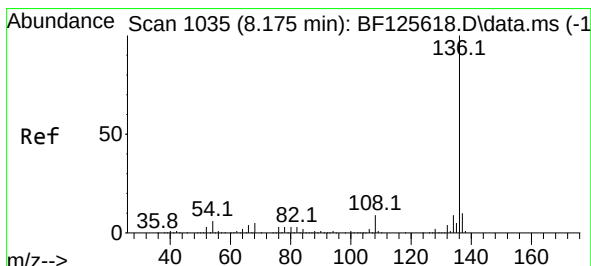
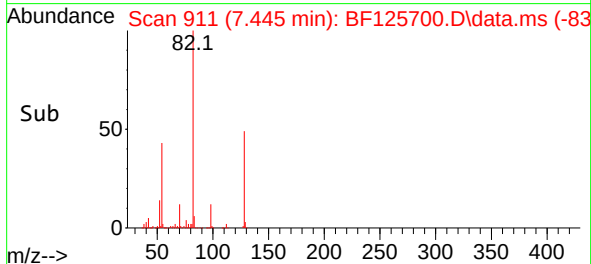
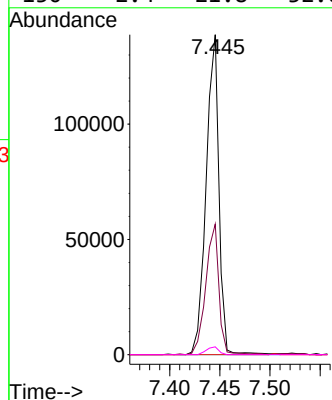


#19
n-Nitroso-di-n-propylamine
Concen: 13.054 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Instrument :
BNA_F
ClientSampleId :
WC-20210924

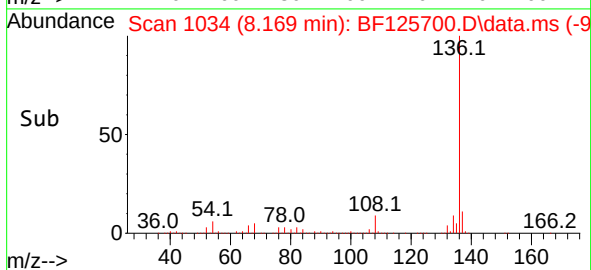
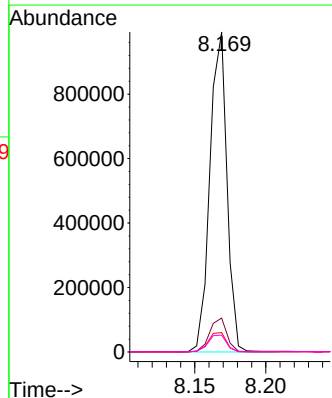
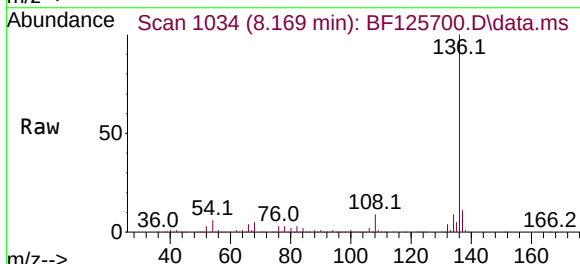


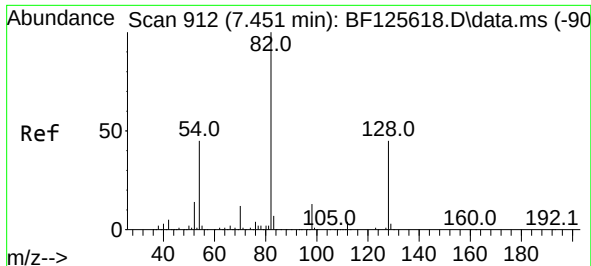
Tgt Ion: 70 Resp: 124226
Ion Ratio Lower Upper
70 100
42 40.8 72.2 108.2#
101 0.0 7.8 11.8#
130 2.4 21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion: 136 Resp: 830240
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 6.0 6.4 9.6#
68 5.2 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 82.223 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF125700.D

Acq: 28 Sep 2021 21:15

Instrument :

BNA_F

ClientSampleId :

WC-20210924

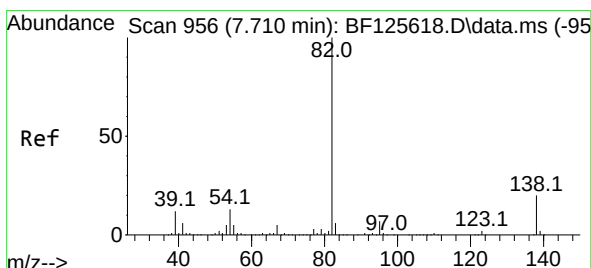
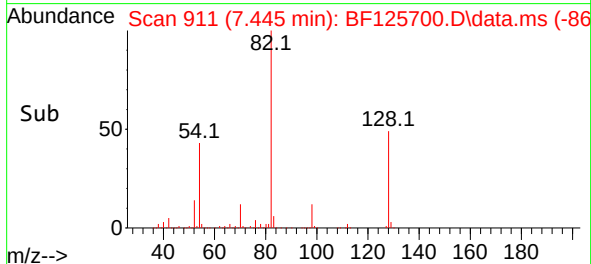
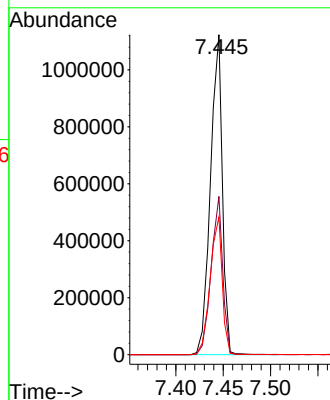
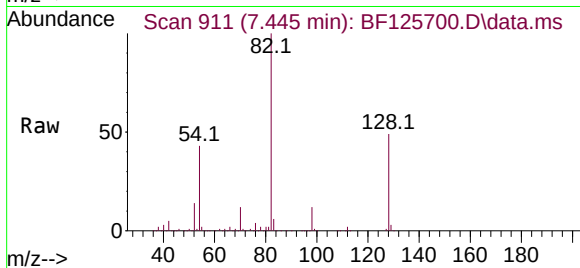
Tgt Ion: 82 Resp: 978703

Ion Ratio Lower Upper

82 100

128 49.5 40.6 60.8

54 43.1 49.6 74.4#



#25

Isophorone

Concen: 36.628 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF125700.D

Acq: 28 Sep 2021 21:15

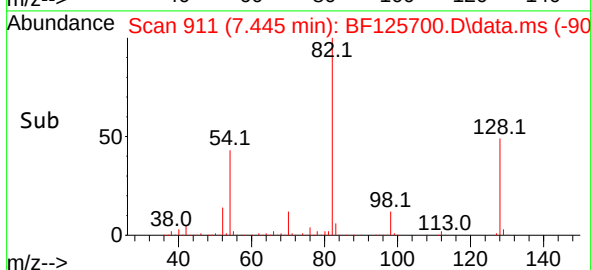
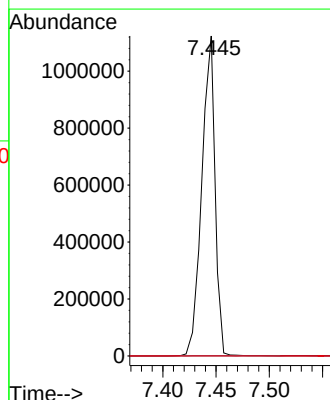
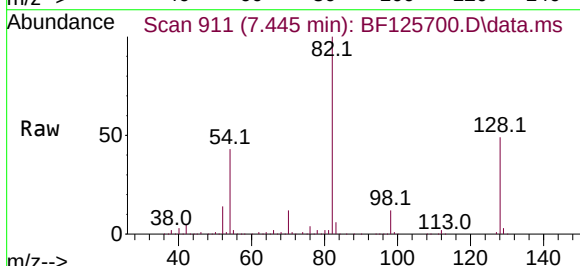
Tgt Ion: 82 Resp: 976416

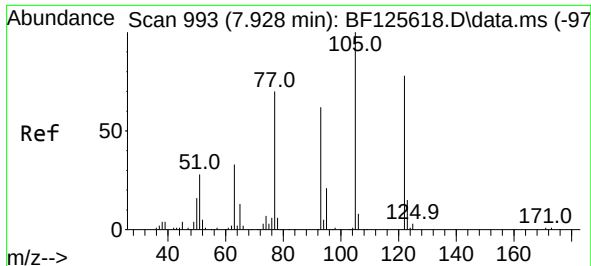
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

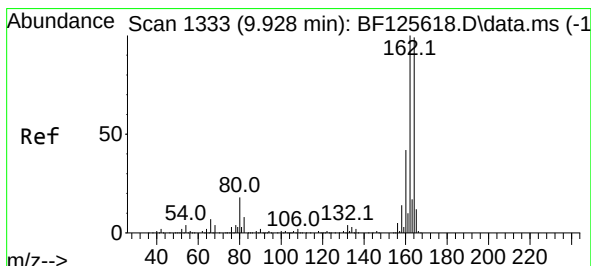
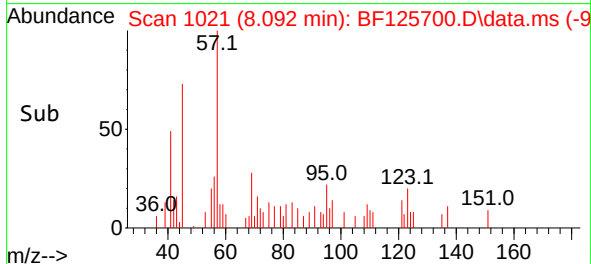
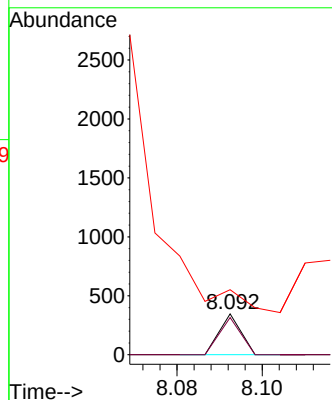
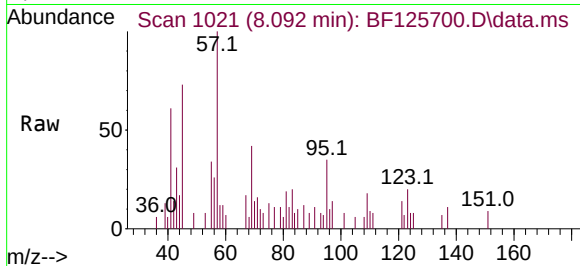




#32
Benzoic acid
Concen: 8.639 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.164 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

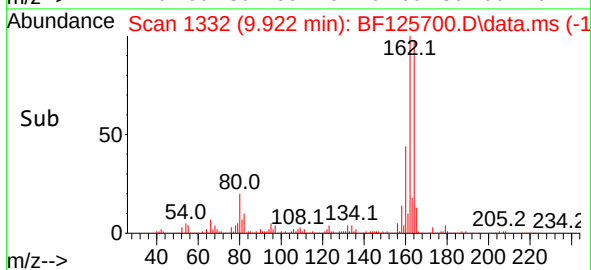
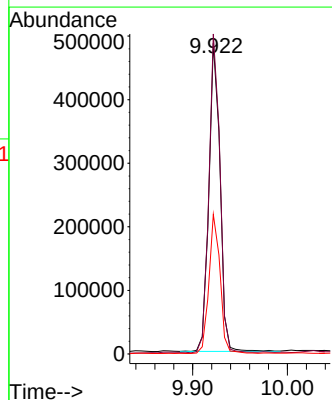
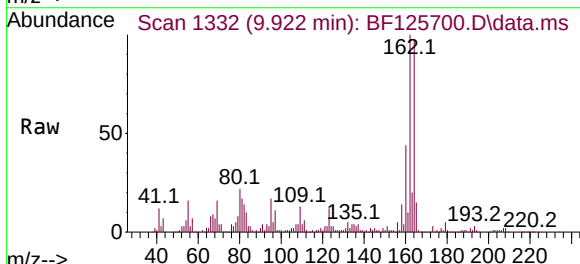
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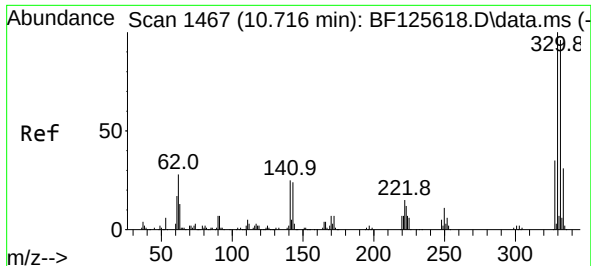
Tgt Ion:122 Resp: 122
Ion Ratio Lower Upper
122 100
105 90.8 97.6 137.6#
77 159.1 59.6 99.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion:164 Resp: 394737
Ion Ratio Lower Upper
164 100
162 103.0 81.3 121.9
160 44.9 38.0 57.0

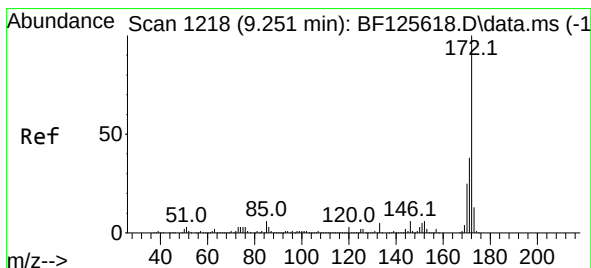
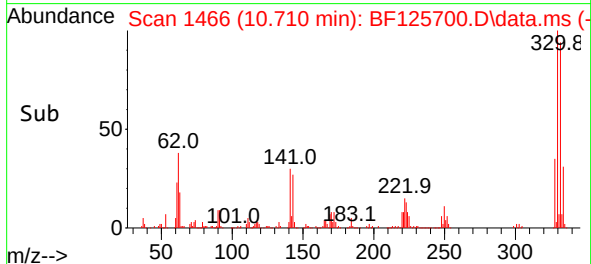
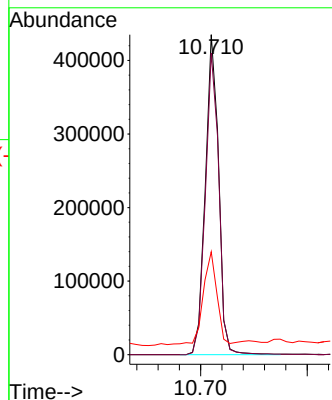
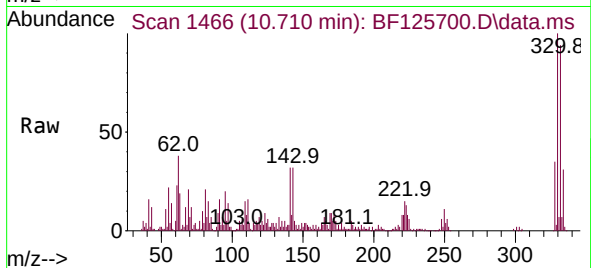




#42
2,4,6-Tribromophenol
Concen: 102.841 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

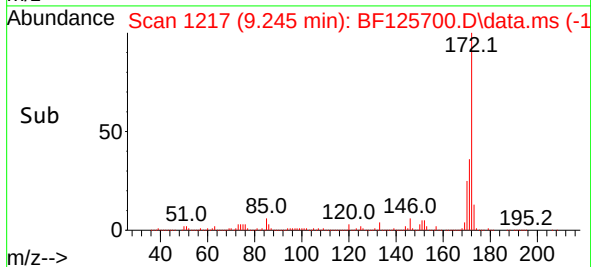
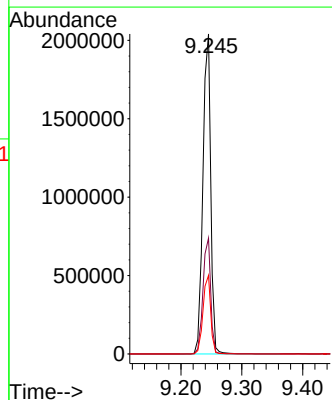
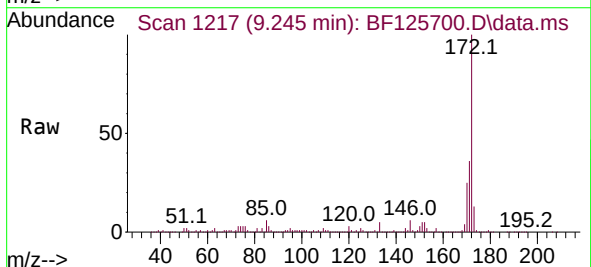
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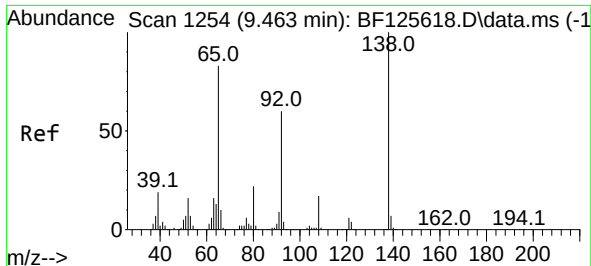
Tgt Ion:330 Resp: 378496
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 31.2 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 82.100 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion:172 Resp: 1813646
Ion Ratio Lower Upper
172 100
171 36.2 26.5 39.7
170 24.6 18.8 28.2

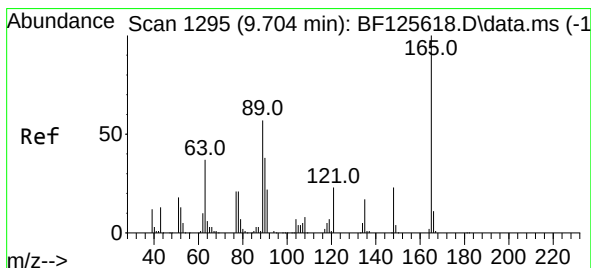
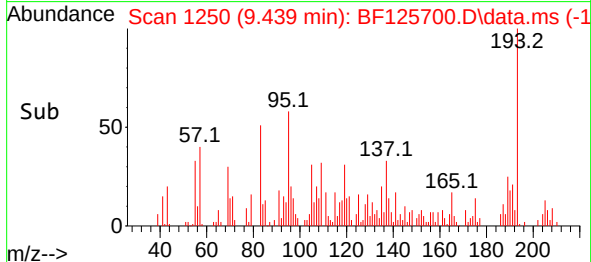
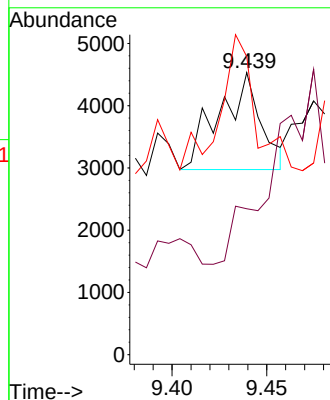
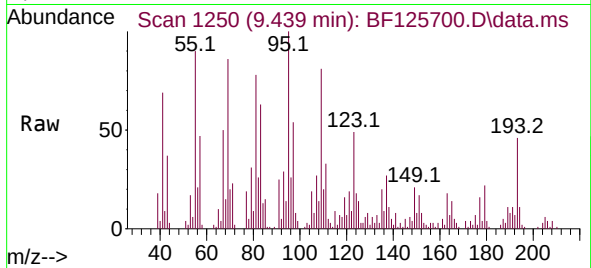




#48
2-Nitroaniline
Concen: 4.546 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.024 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

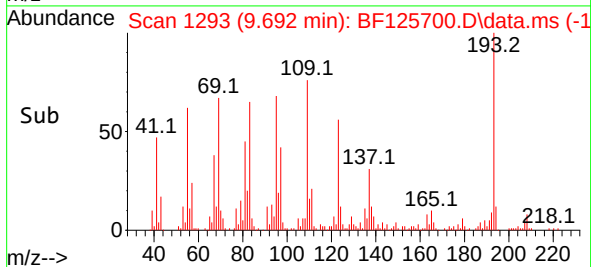
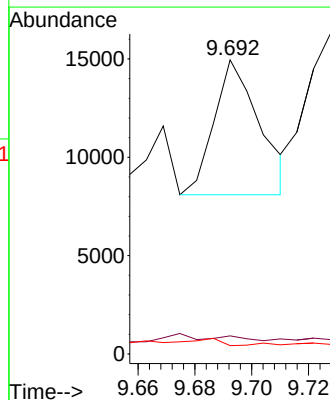
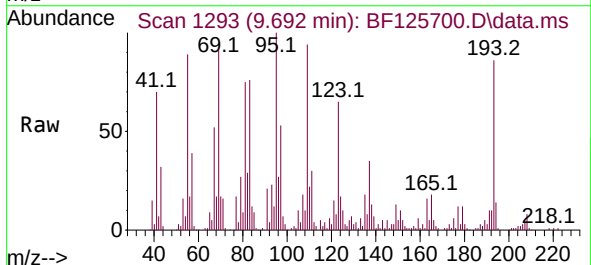
Instrument :
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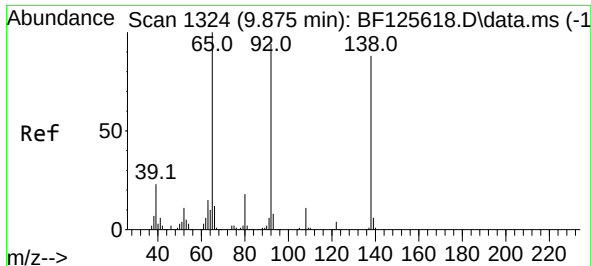
Tgt Ion: 65 Resp: 2418
Ion Ratio Lower Upper
65 100
92 51.7 55.5 83.3#
138 105.7 93.5 140.3



#51
2,6-Dinitrotoluene
Concen: 5.402 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion: 165 Resp: 7613
Ion Ratio Lower Upper
165 100
63 6.1 42.6 63.8#
89 2.8 40.6 60.8#

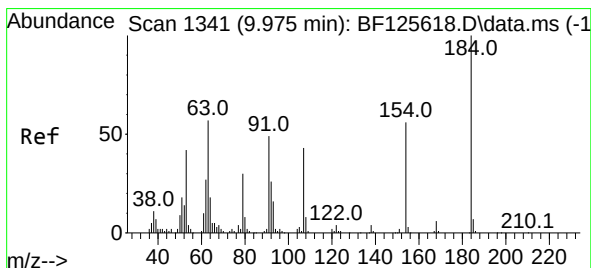
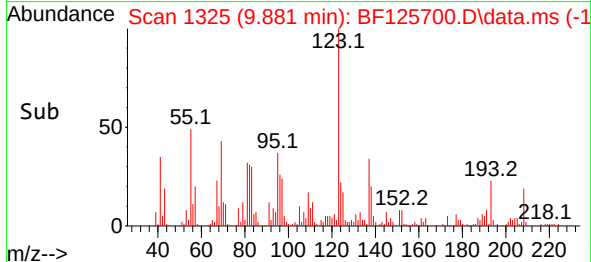
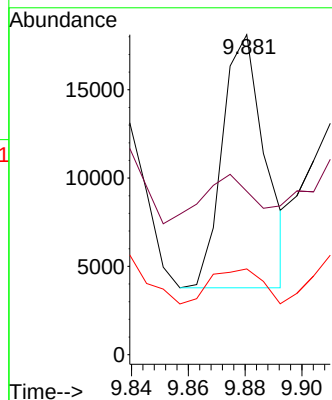
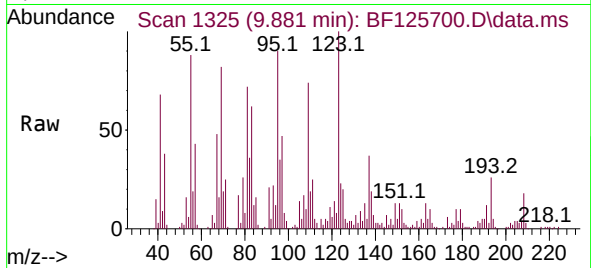




#53
3-Nitroaniline
Concen: 5.409 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

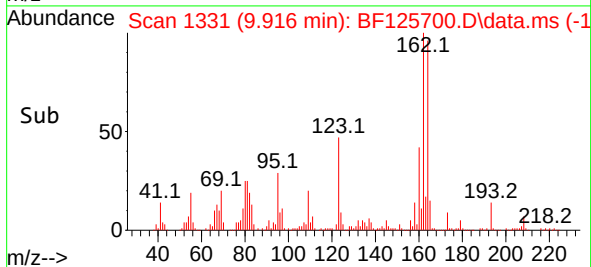
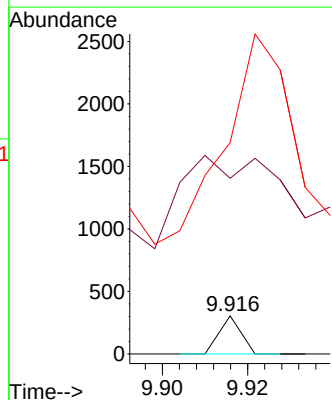
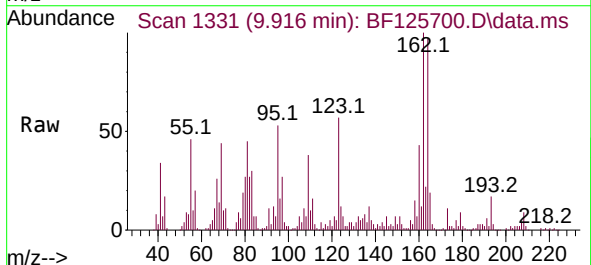
Instrument :
BNA_F
ClientSampleId :
WC-20210924

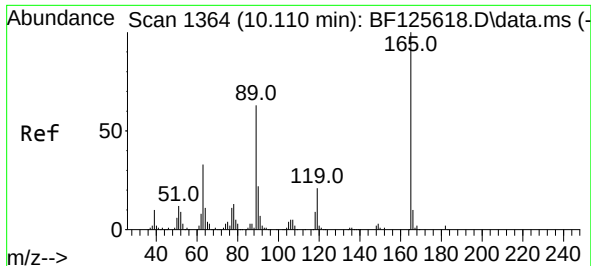
Tgt Ion:138 Resp: 14993
Ion Ratio Lower Upper
138 100
108 51.0 9.3 13.9#
92 26.8 76.5 114.7#



#54
2,4-Dinitrophenol
Concen: 4.476 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.059 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion:184 Resp: 107
Ion Ratio Lower Upper
184 100
63 462.5 59.3 88.9#
154 556.3 68.6 102.8#

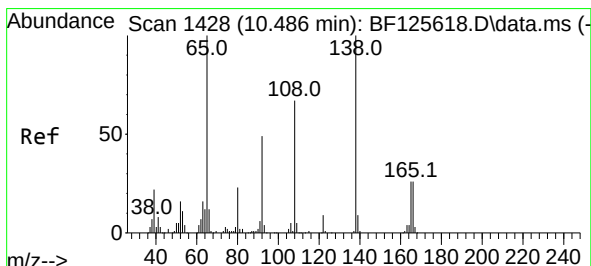
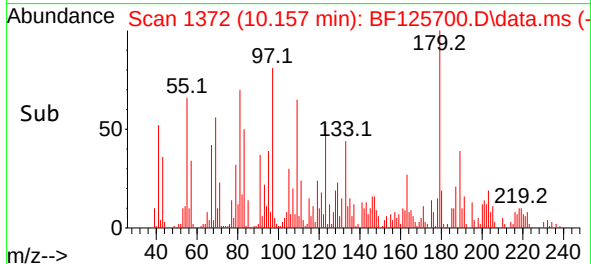
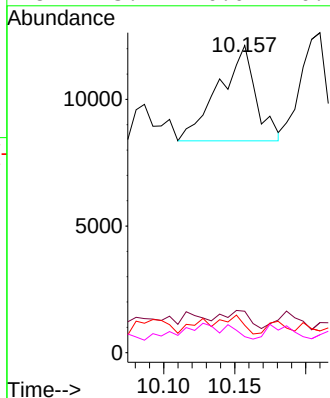
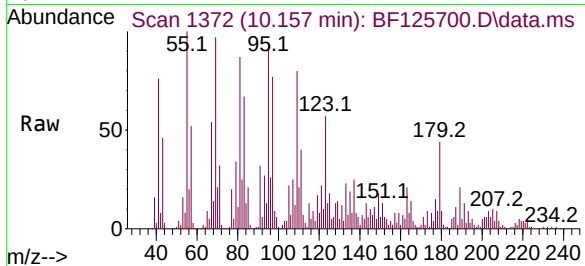




#57
2,4-Dinitrotoluene
Concen: 5.714 ng
RT: 10.157 min Scan# 1372
Delta R.T. 0.047 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

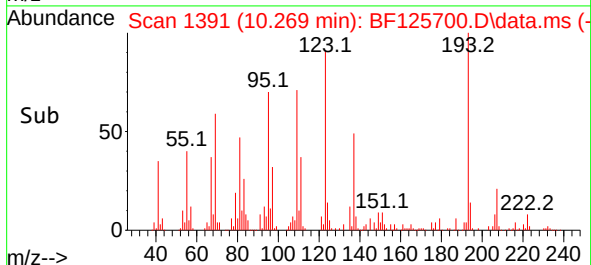
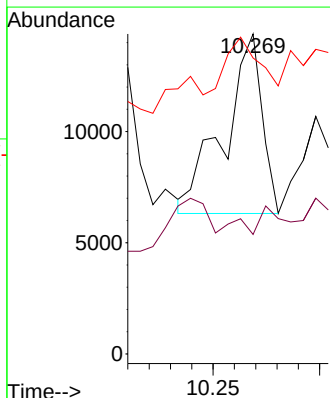
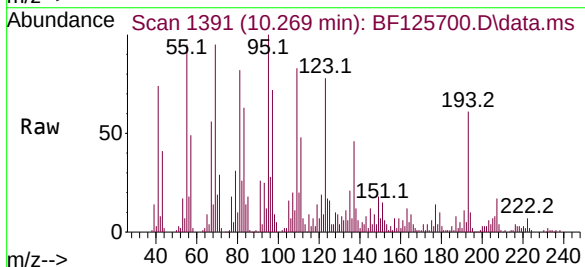
Instrument :
BNA_F
ClientSampleId :
WC-20210924

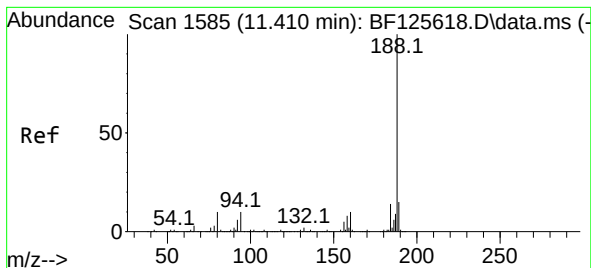
Tgt Ion:165 Resp: 6847
Ion Ratio Lower Upper
165 100
63 13.5 40.9 61.3#
89 8.9 59.7 89.5#
182 5.2 0.0 0.0#



#62
4-Nitroaniline
Concen: 3.468 ng
RT: 10.269 min Scan# 1391
Delta R.T. -0.217 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion:138 Resp: 9921
Ion Ratio Lower Upper
138 100
92 37.4 29.6 69.6
108 92.5 78.1 118.1

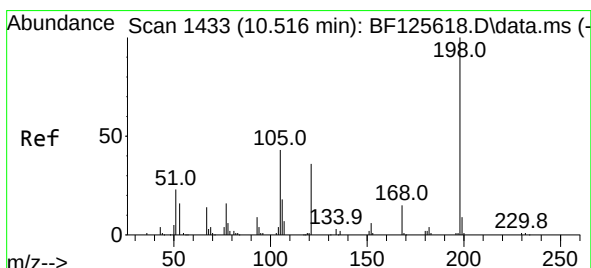
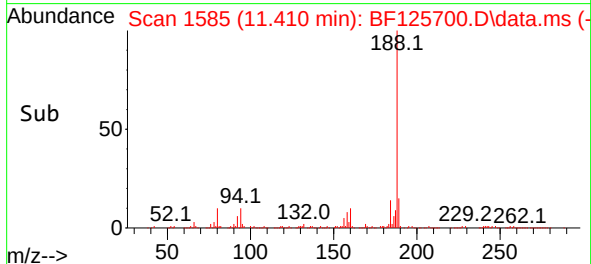
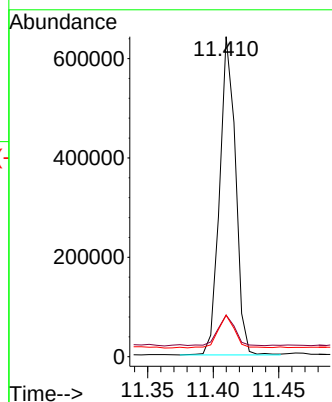
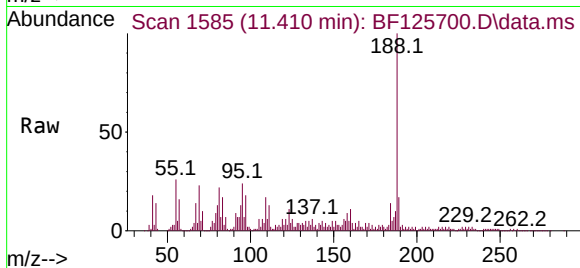




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

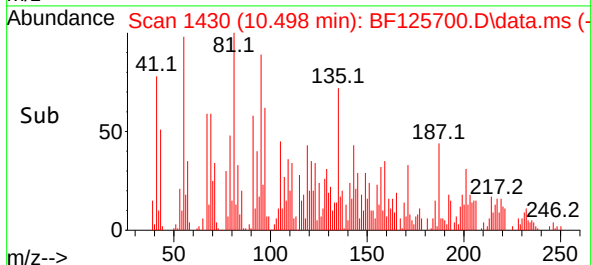
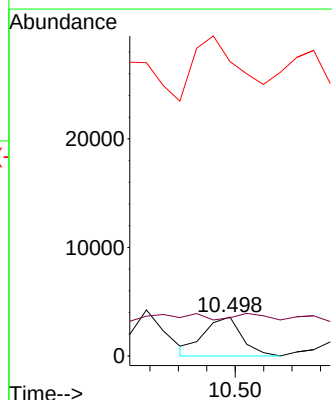
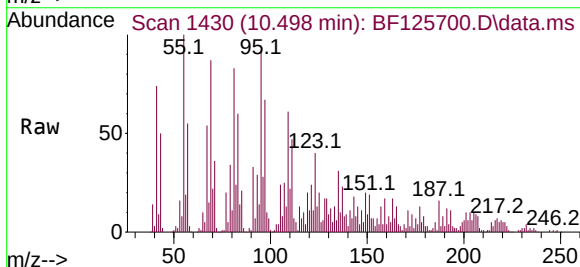
Instrument :
BNA_F
ClientSampleId :
WC-20210924

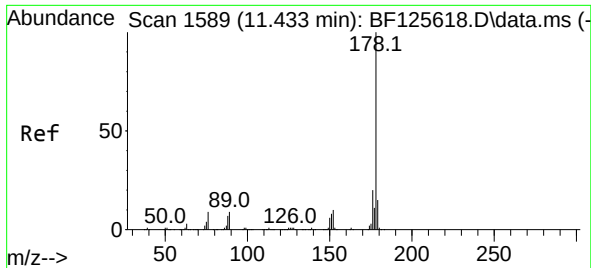
Tgt Ion:188 Resp: 539464
Ion Ratio Lower Upper
188 100
94 13.0 6.7 10.1#
80 12.9 7.5 11.3#



#65
4,6-Dinitro-2-methylphenol
Concen: 10.033 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.018 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion:198 Resp: 3298
Ion Ratio Lower Upper
198 100
51 98.5 45.3 85.3#
105 757.8 30.6 70.6#

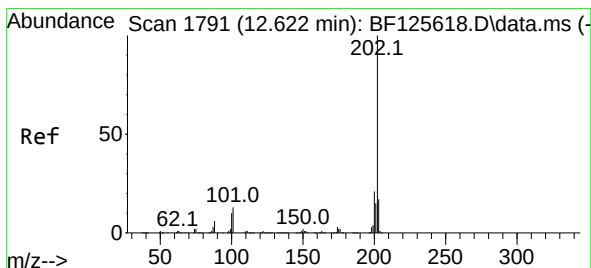
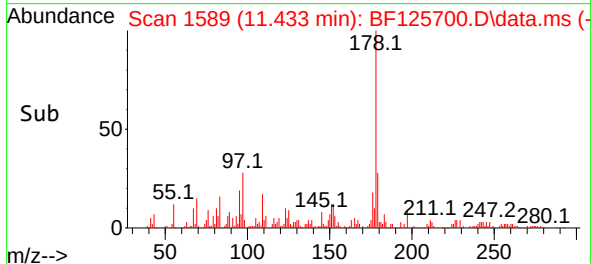
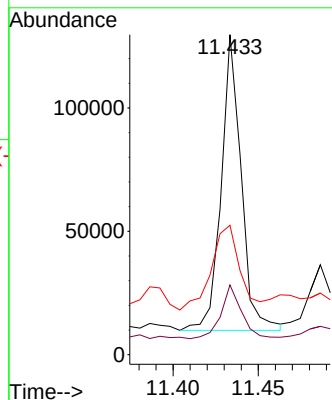
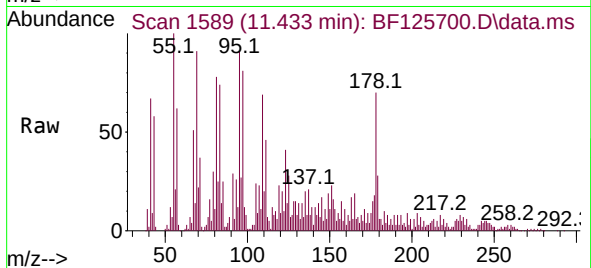




#71
Phenanthrene
Concen: 3.236 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

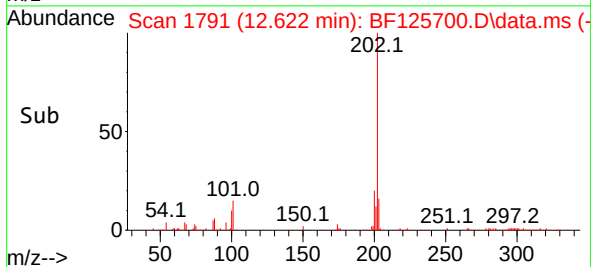
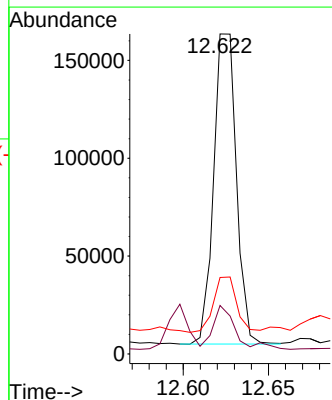
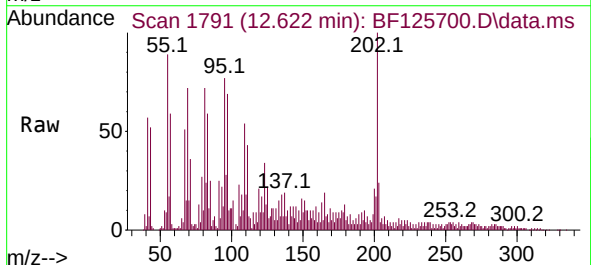
Instrument :
BNA_F
ClientSampleId :
WC-20210924

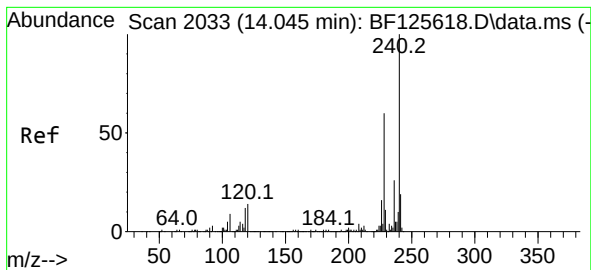
Tgt Ion:178 Resp: 97899
Ion Ratio Lower Upper
178 100
176 21.8 14.7 22.1
179 40.5 11.5 17.3#



#75
Fluoranthene
Concen: 4.547 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion:202 Resp: 147007
Ion Ratio Lower Upper
202 100
101 15.2 0.0 30.7
203 23.9 0.0 36.3

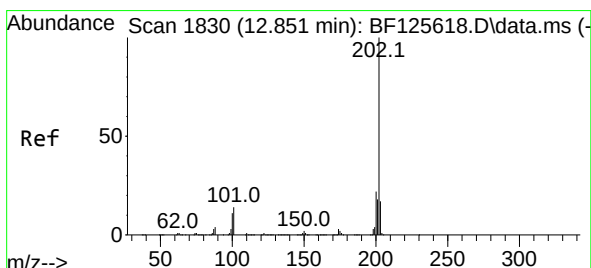
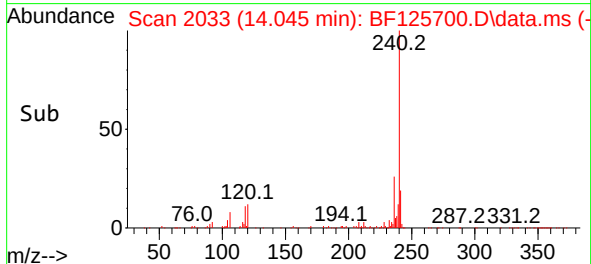
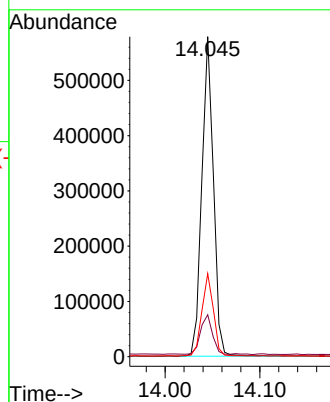
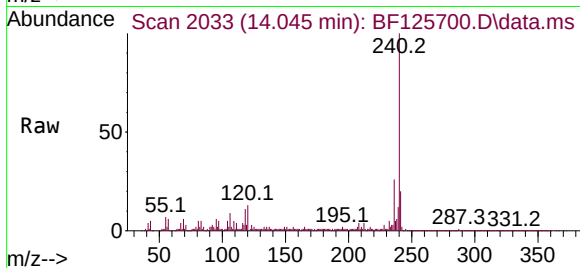




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

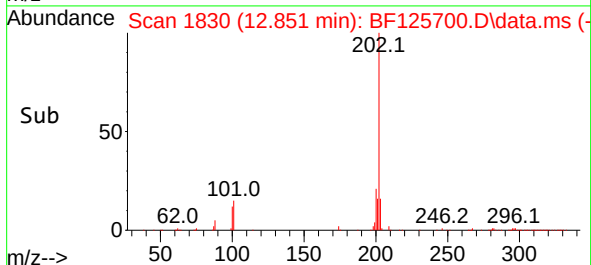
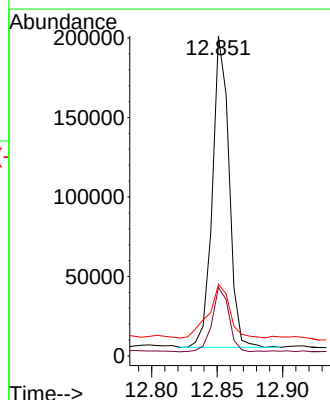
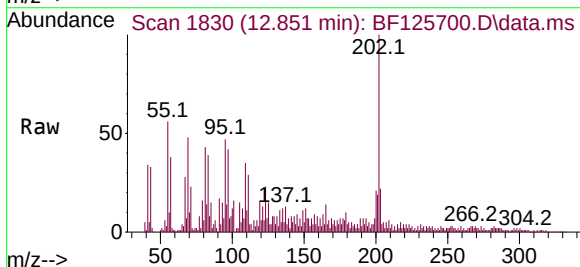
Instrument :
BNA_F
ClientSampleId :
WC-20210924

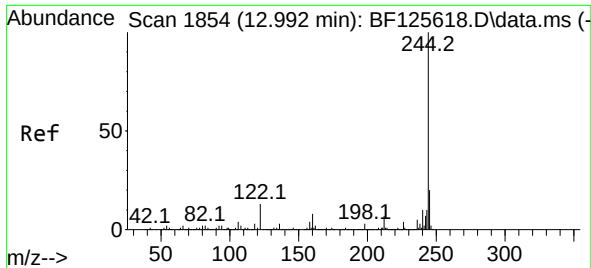
Tgt Ion:240 Resp: 490342
Ion Ratio Lower Upper
240 100
120 13.1 10.8 16.2
236 26.0 21.6 32.4



#78
Pyrene
Concen: 3.898 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion:202 Resp: 172734
Ion Ratio Lower Upper
202 100
200 21.4 15.3 22.9
203 22.4 13.4 20.0#

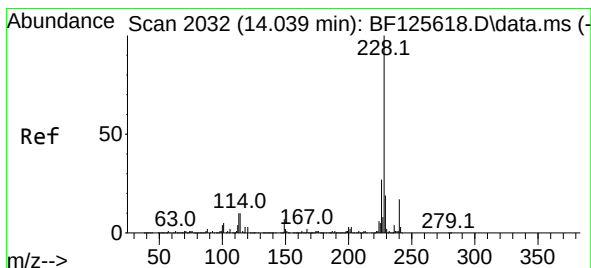
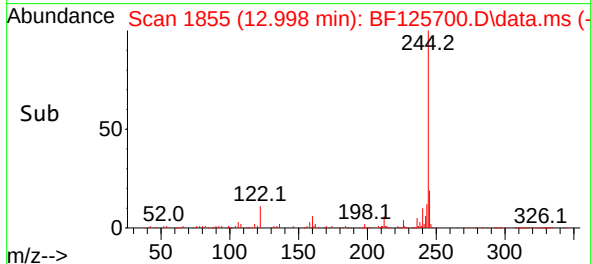
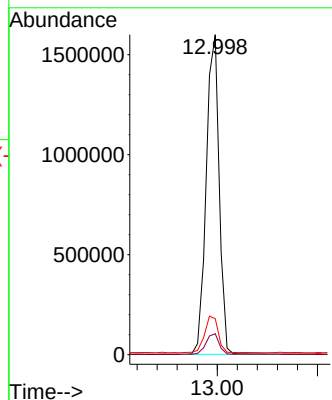
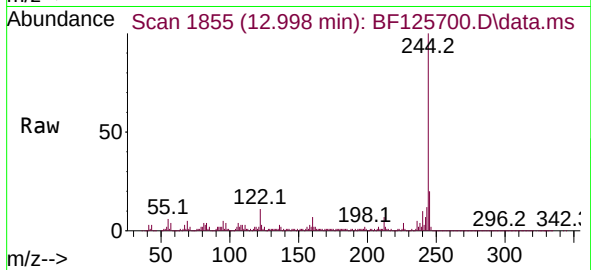




#79
 Terphenyl-d14
 Concen: 50.849 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. 0.006 min
 Lab File: BF125700.D
 Acq: 28 Sep 2021 21:15

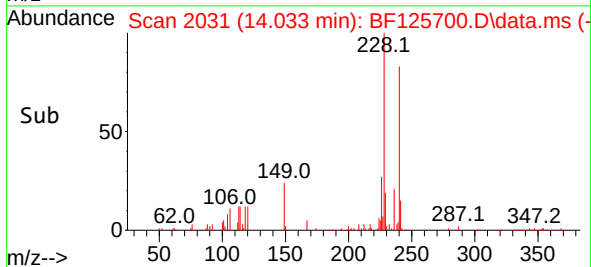
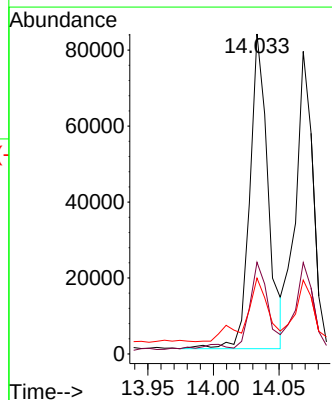
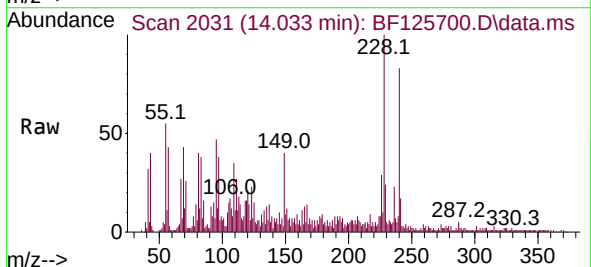
Instrument :
 BNA_F
 ClientSampleId :
 WC-20210924

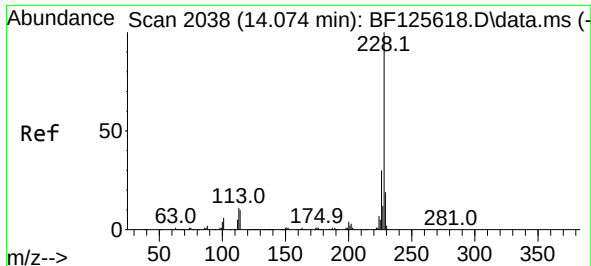
Tgt Ion:244 Resp: 1439764
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.9 8.9
 122 11.2 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.416 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. -0.006 min
 Lab File: BF125700.D
 Acq: 28 Sep 2021 21:15

Tgt Ion:228 Resp: 80469
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.6 32.4
 229 23.7 15.6 23.4#

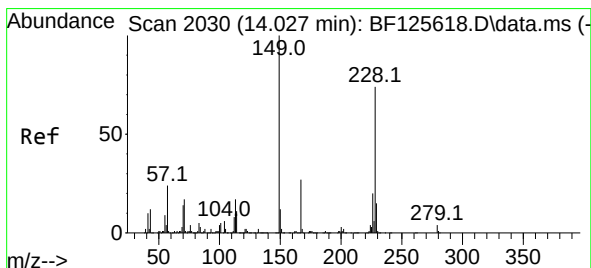
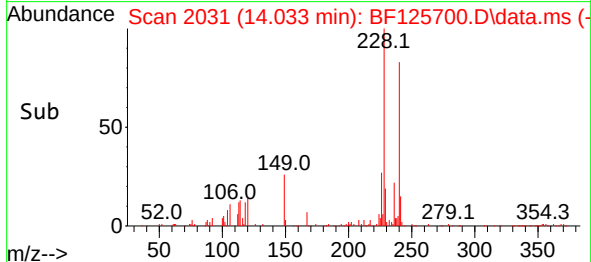
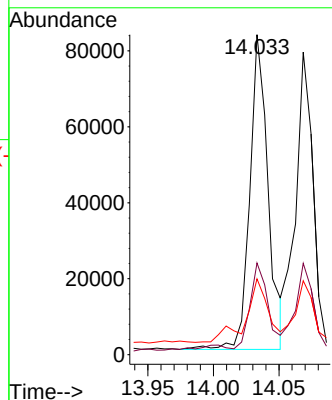
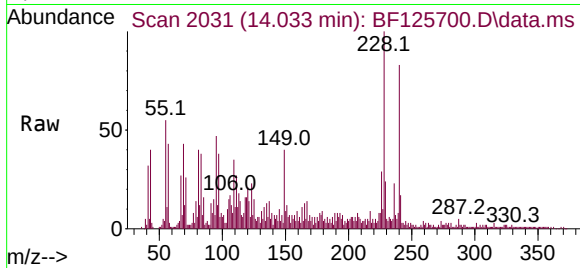




#83
Chrysene
Concen: 2.407 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.041 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

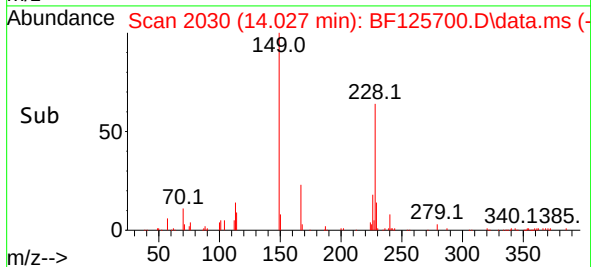
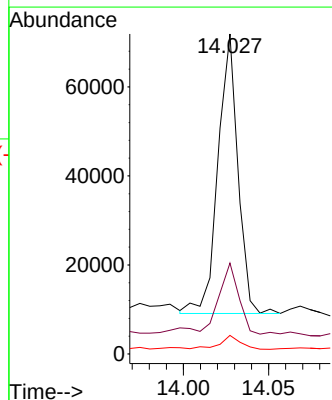
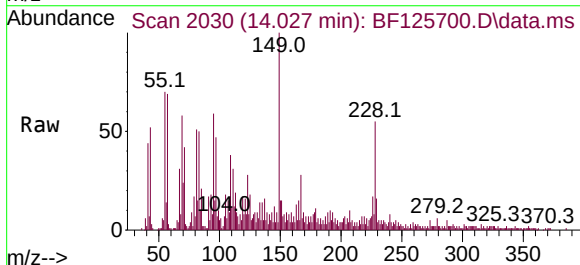
Instrument :
BNA_F
ClientSampled :
WC-20210924

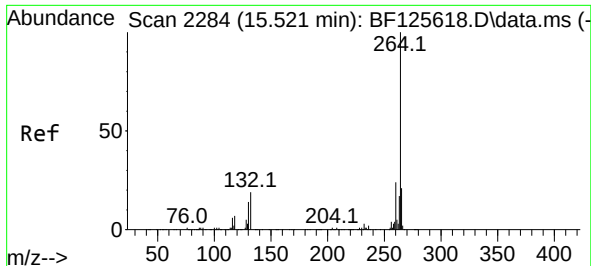
Tgt Ion:228 Resp: 80469
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 23.7 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.047 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion:149 Resp: 51193
Ion Ratio Lower Upper
149 100
167 28.4 21.4 32.0
279 5.8 2.6 4.0#

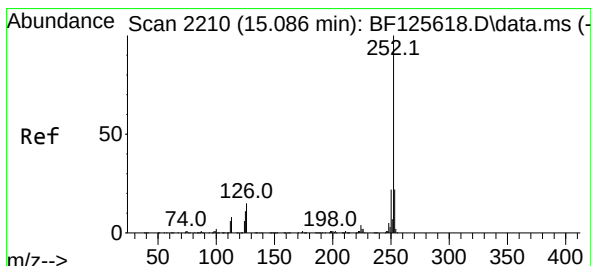
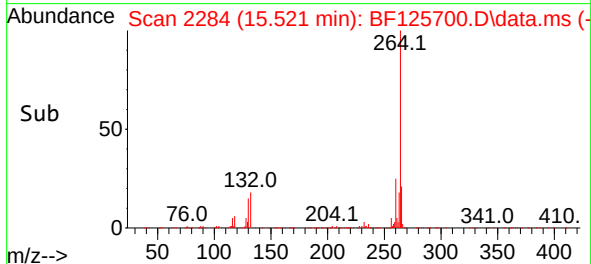
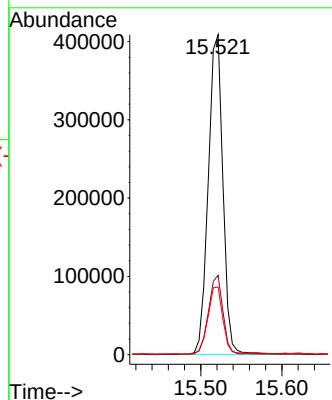
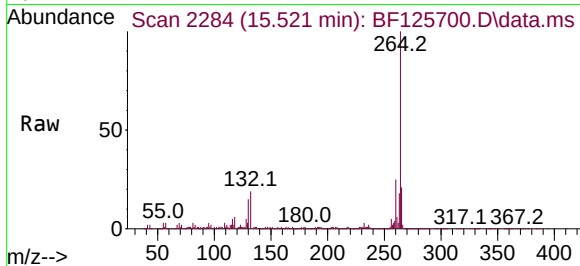




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

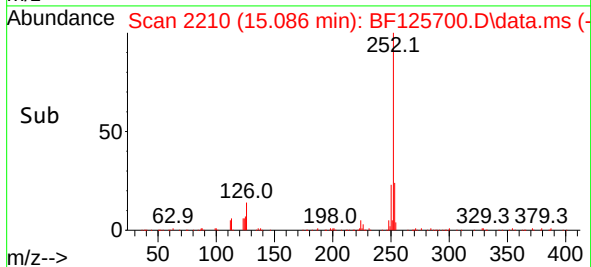
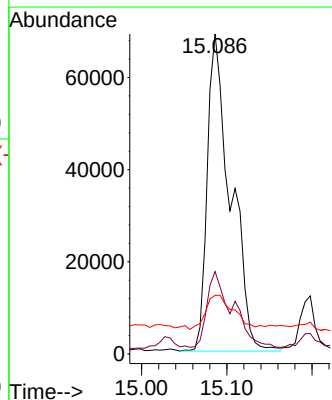
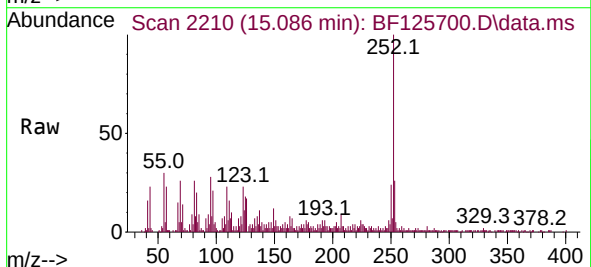
Instrument :
BNA_F
ClientSampleId :
WC-20210924

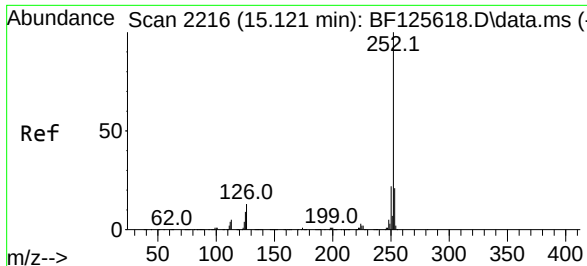
Tgt Ion:	264	Resp:	510118
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.6	29.4
265	21.2	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 3.683 ng
RT: 15.086 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF125700.D
Acq: 28 Sep 2021 21:15

Tgt Ion:	252	Resp:	131623
Ion Ratio	Lower	Upper	
252	100		
253	25.7	16.8	25.2#
125	18.3	9.8	14.8#





#89

Benzo(k)fluoranthene

Concen: 3.844 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF125700.D

Acq: 28 Sep 2021 21:15

Tgt Ion:252 Resp: 131623

Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.8

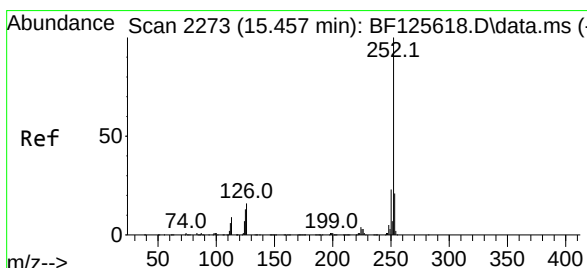
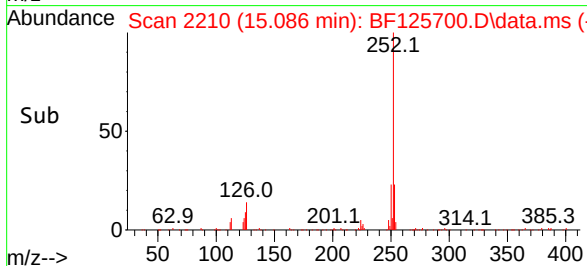
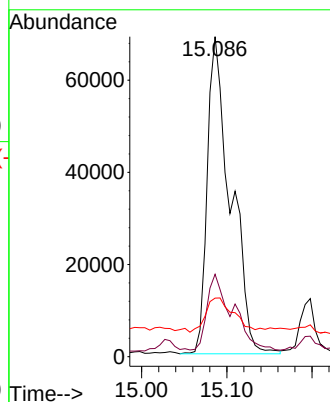
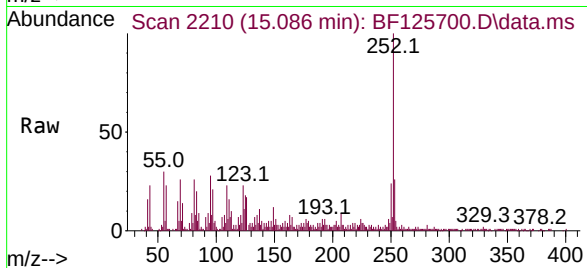
125 18.3 7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

WC-20210924



#90

Benzo(a)pyrene

Concen: 2.286 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF125700.D

Acq: 28 Sep 2021 21:15

Tgt Ion:252 Resp: 72725

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

125 19.3 9.9 14.9#

