

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082321\
 Data File : BF125176.D
 Acq On : 24 Aug 2021 2:37
 Operator : JU/CG
 Sample : M3514-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-8-082021

Quant Time: Aug 24 04:51:18 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 23 10:15:49 2021
 Response via : Initial Calibration

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

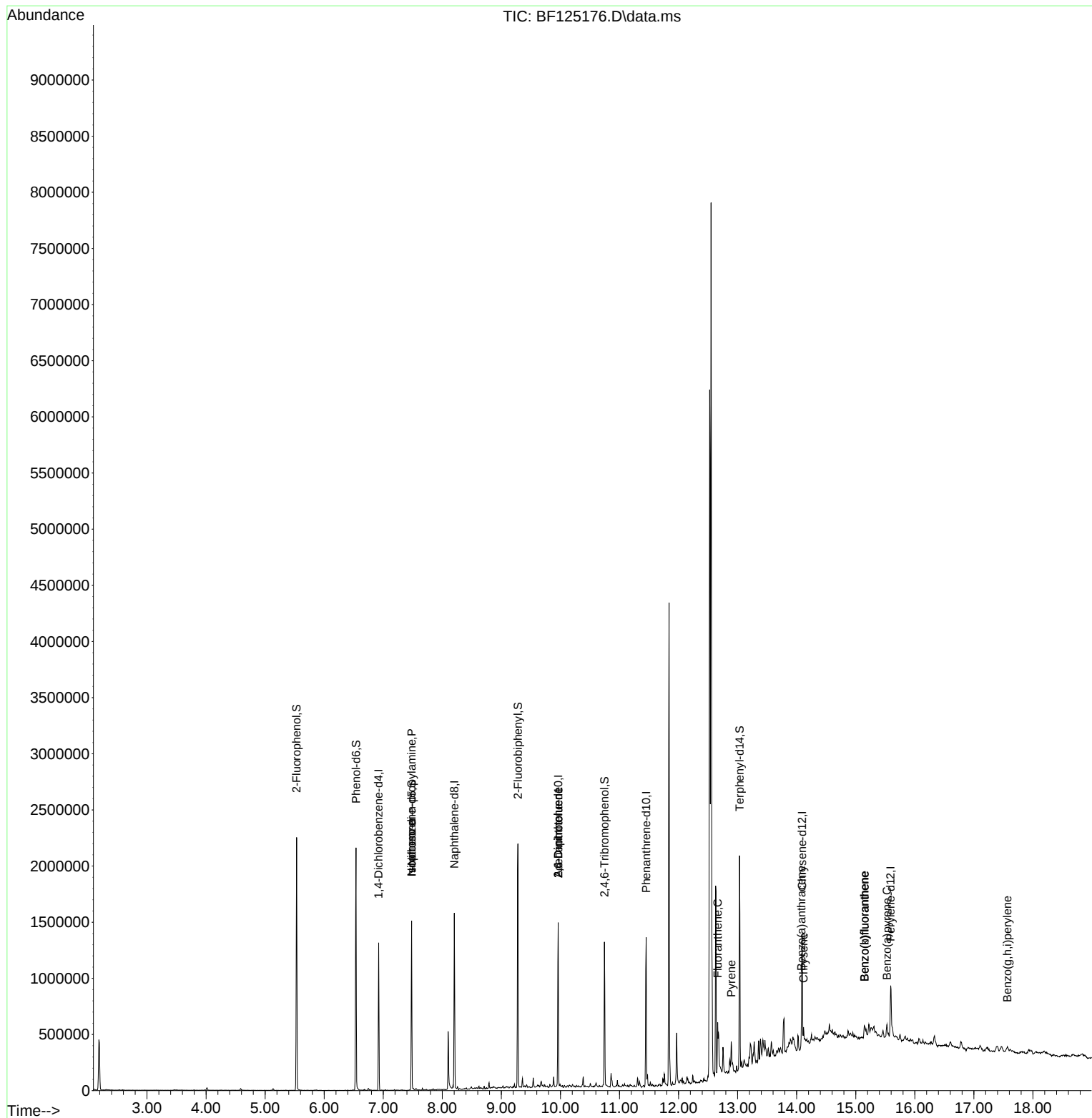
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	166343	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	589104	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	279904	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	463444	20.000	ng	0.00
76) Chrysene-d12	14.092	240	318514	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	235622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	507301	46.161	ng	0.00
7) Phenol-d6	6.539	99	604265	42.514	ng	0.00
23) Nitrobenzene-d5	7.480	82	389051	33.248	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	139469	49.916	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	650315	32.381	ng	0.00
79) Terphenyl-d14	13.033	244	630058	31.513	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.480	70	53734	6.285	ng	# 59
25) Isophorone	7.480	82	389044	17.234	ng	# 59
51) 2,6-Dinitrotoluene	9.963	165	37129	8.828	ng	# 28
57) 2,4-Dinitrotoluene	9.963	165	37129	7.294	ng	# 20
75) Fluoranthene	12.663	202	116547	4.600	ng	98
78) Pyrene	12.892	202	112894	4.132	ng	96
81) Benzo(a)anthracene	14.080	228	60623	2.642	ng	96
83) Chrysene	14.115	228	53893	2.375	ng	94
88) Benzo(b)fluoranthene	15.151	252	81625	4.742	ng	# 88
89) Benzo(k)fluoranthene	15.151	252	81625	5.081	ng	# 87
90) Benzo(a)pyrene	15.527	252	44217	2.908	ng	98
92) Benzo(g,h,i)perylene	17.568	276	31009	2.192	ng	97

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

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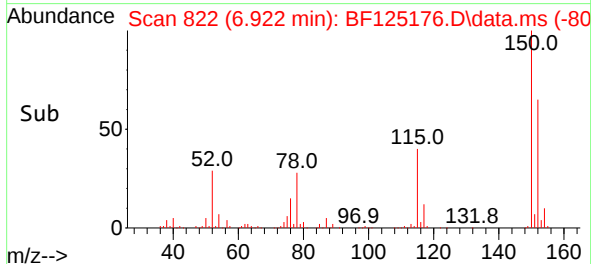
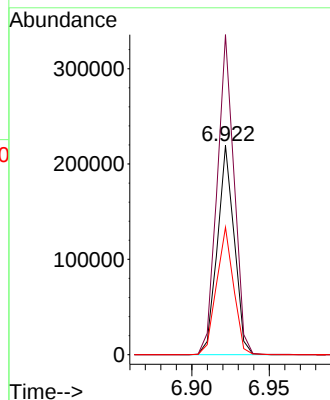
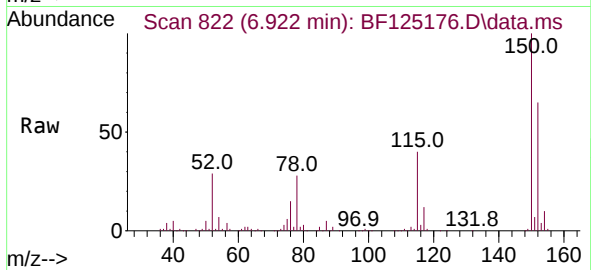




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 822
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

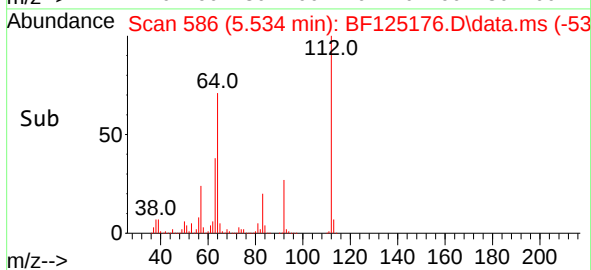
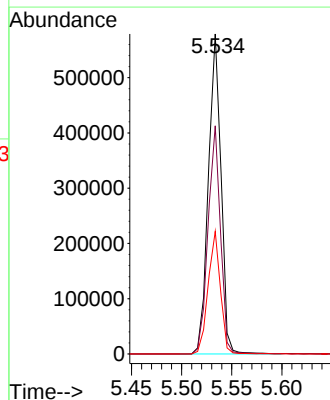
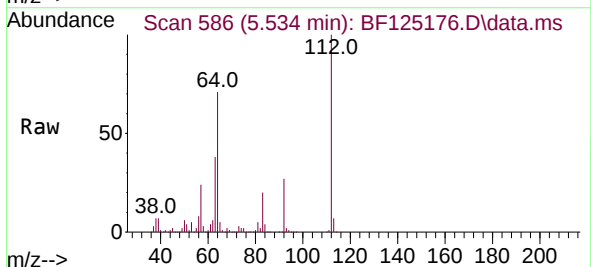
Instrument :
BNA_F
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NB-8-082021

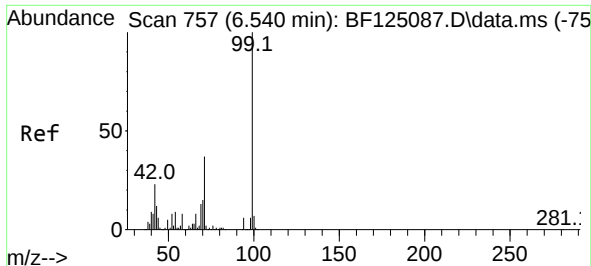
Tgt Ion:152 Resp: 166343
Ion Ratio Lower Upper
152 100
150 152.9 117.6 176.4
115 60.8 47.1 70.7



#5
2-Fluorophenol
Concen: 46.161 ng
RT: 5.534 min Scan# 586
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion:112 Resp: 507301
Ion Ratio Lower Upper
112 100
64 71.3 44.2 66.2#
63 38.3 26.2 39.2

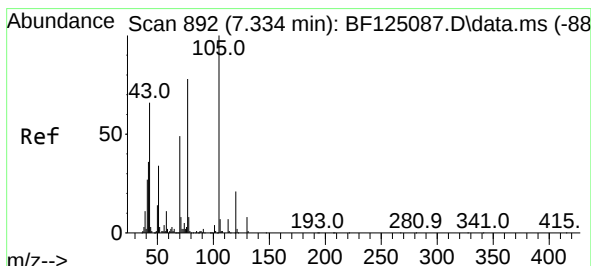
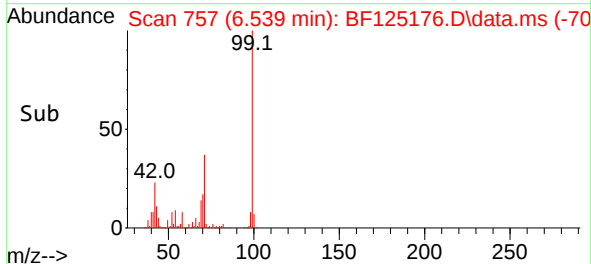
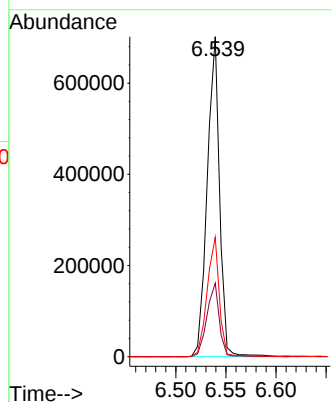
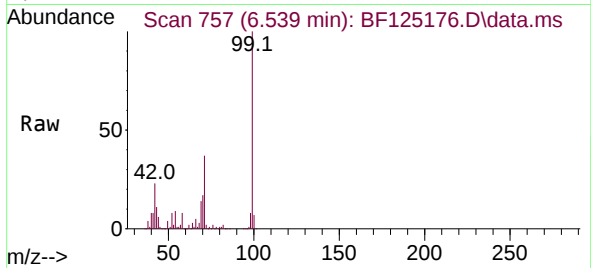




#7
Phenol-d6
Concen: 42.514 ng
RT: 6.539 min Scan# 757
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

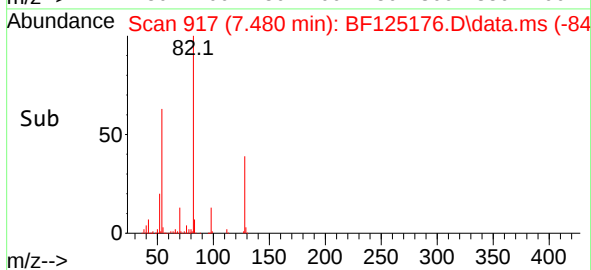
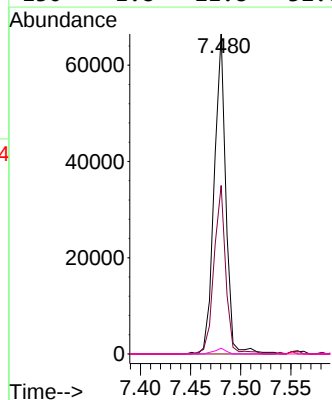
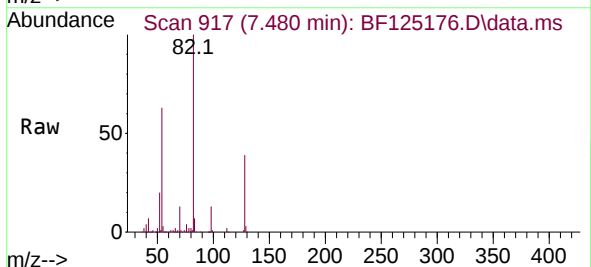
Instrument :
BNA_F
ClientSampleId :
NB-8-082021

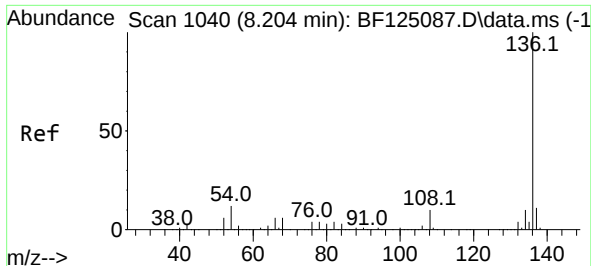
Tgt Ion: 99 Resp: 604265
Ion Ratio Lower Upper
99 100
42 23.0 23.5 35.3#
71 37.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.285 ng
RT: 7.480 min Scan# 917
Delta R.T. 0.141 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion: 70 Resp: 53734
Ion Ratio Lower Upper
70 100
42 52.6 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

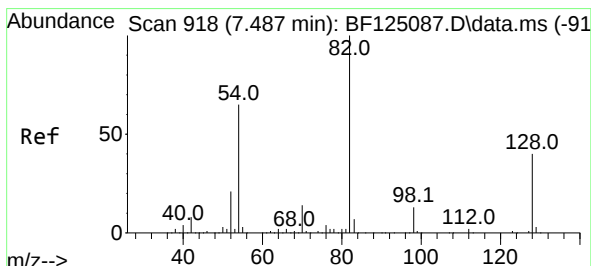
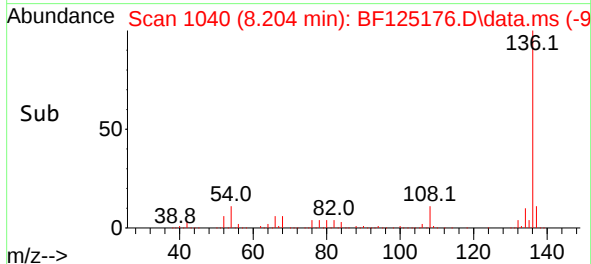
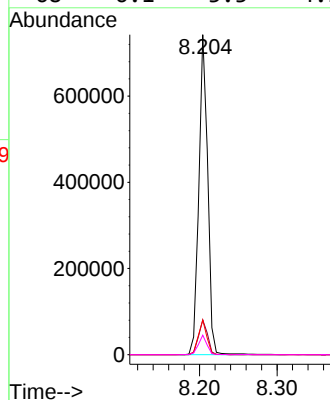
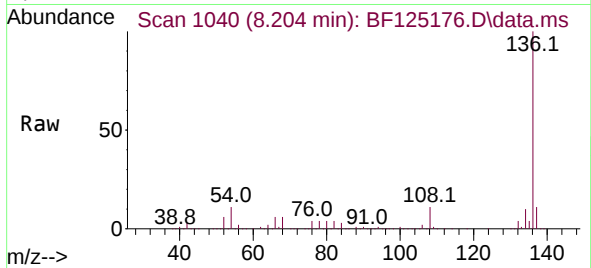




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

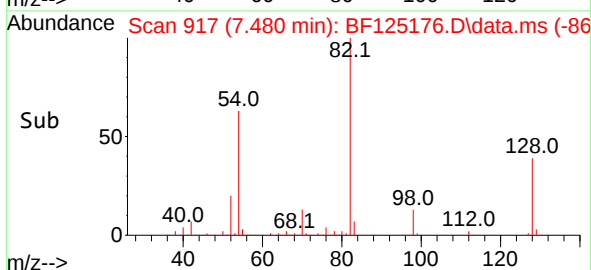
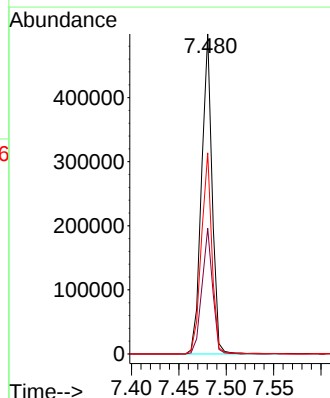
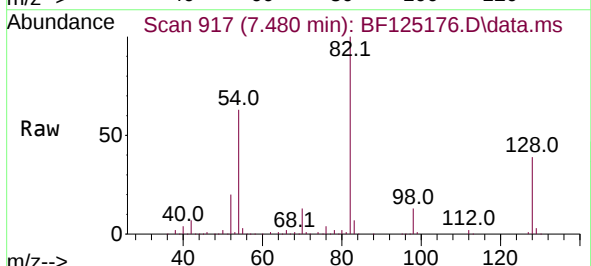
Instrument :
BNA_F
ClientSampleId :
NB-8-082021

Tgt Ion:136	Resp: 589104
Ion Ratio	Lower Upper
136 100	
137 10.8	9.8 14.6
54 10.8	6.4 9.6#
68 6.1	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 33.248 ng
RT: 7.480 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion: 82	Resp: 389051
Ion Ratio	Lower Upper
82 100	
128 39.3	40.6 60.8#
54 62.8	49.6 74.4

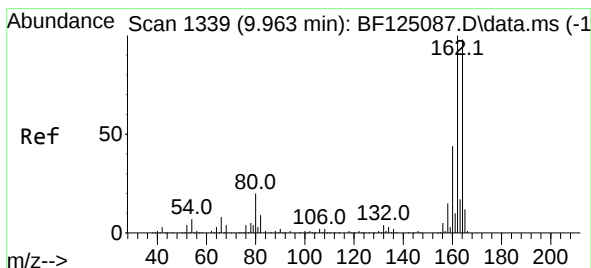
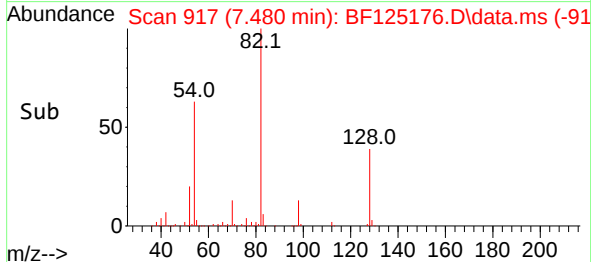
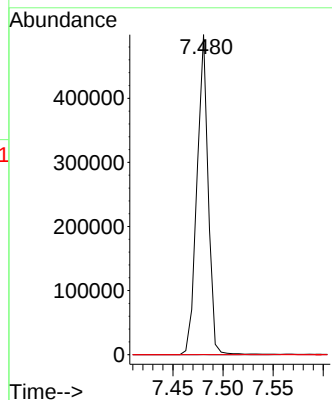
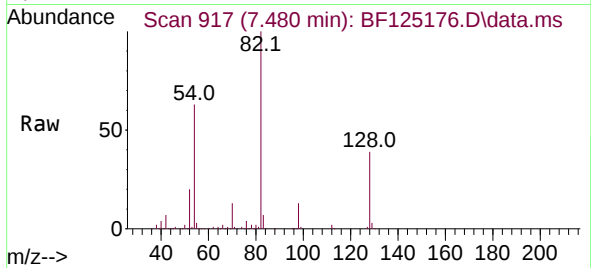




#25
Isophorone
Concen: 17.234 ng
RT: 7.480 min Scan# 917
Delta R.T. -0.265 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

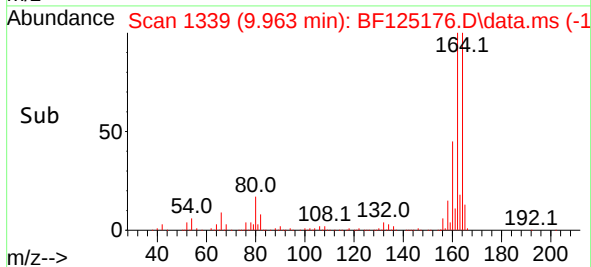
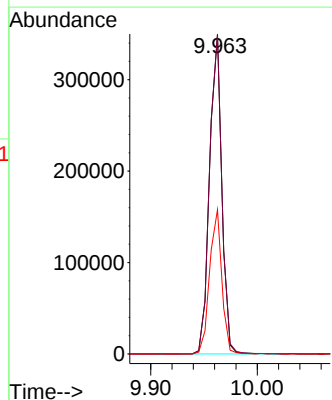
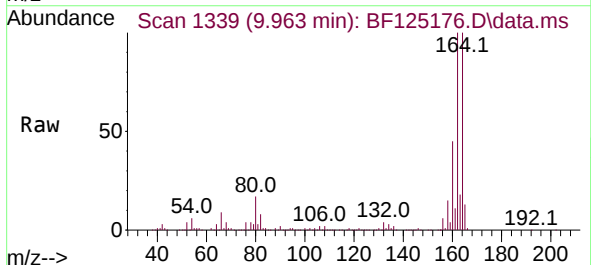
Instrument :
BNA_F
ClientSampleId :
NB-8-082021

Tgt Ion: 82 Resp: 389044
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion: 164 Resp: 279904
Ion Ratio Lower Upper
164 100
162 100.2 81.3 121.9
160 45.2 38.0 57.0

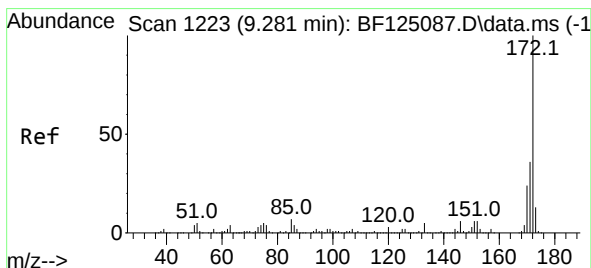
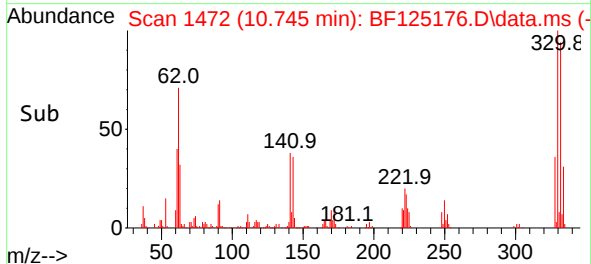
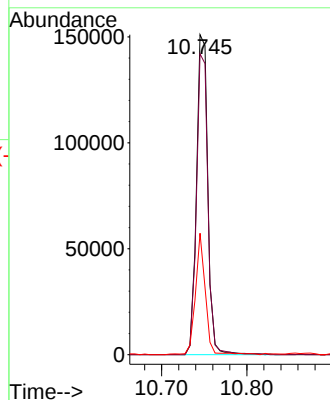
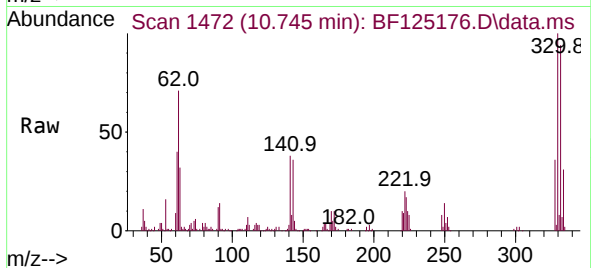




#42
2,4,6-Tribromophenol
Concen: 49.916 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

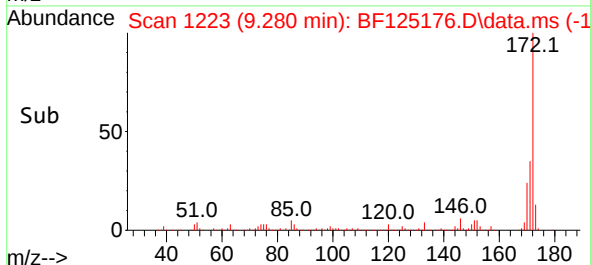
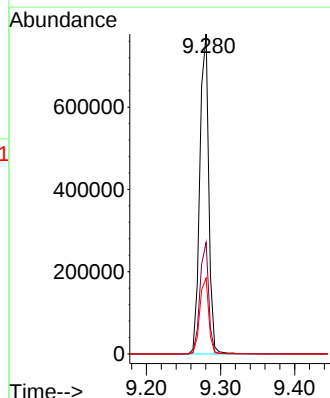
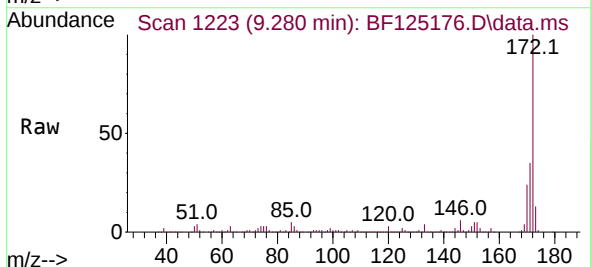
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ClientSampleId :
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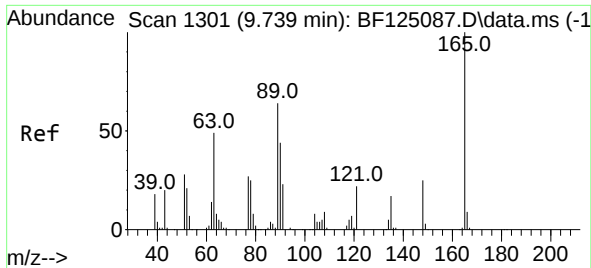
Tgt Ion: 330 Resp: 139469
Ion Ratio Lower Upper
330 100
332 95.0 76.2 114.4
141 33.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 32.381 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion: 172 Resp: 650315
Ion Ratio Lower Upper
172 100
171 34.9 26.5 39.7
170 23.7 18.8 28.2

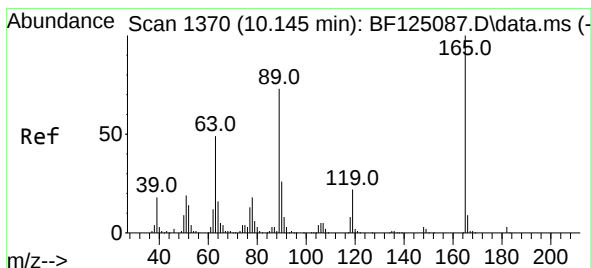
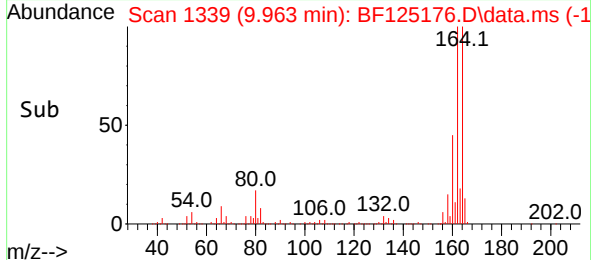
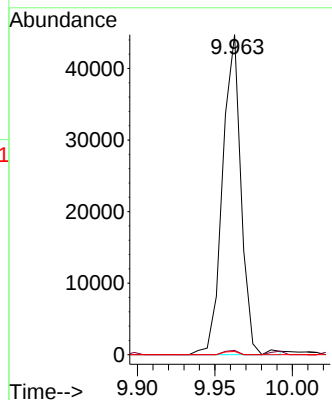
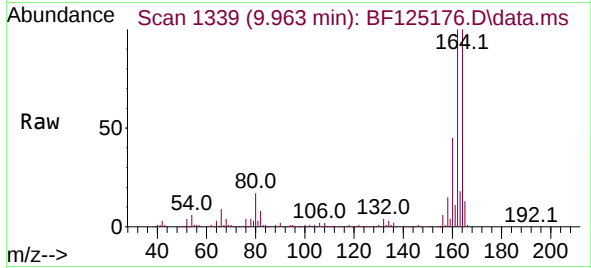




#51
2,6-Dinitrotoluene
Concen: 8.828 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.218 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

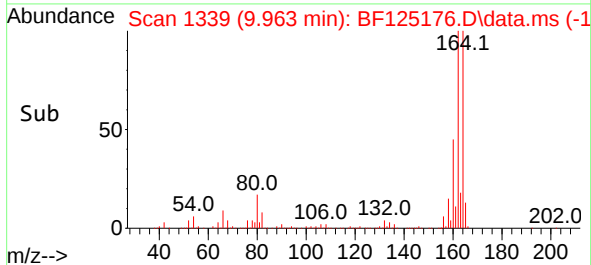
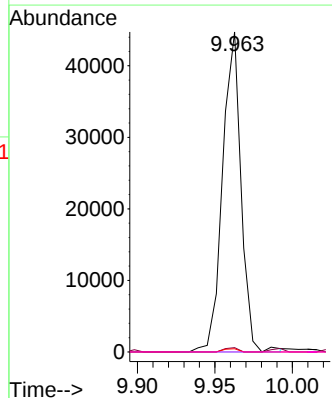
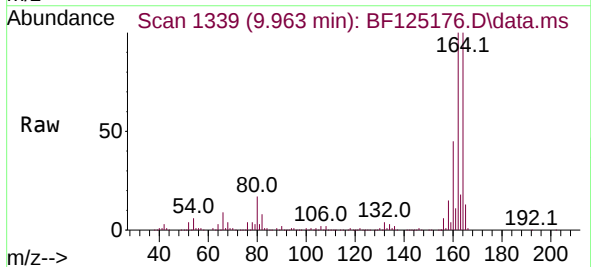
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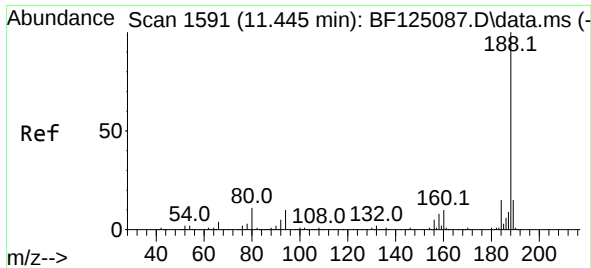
Tgt Ion:165 Resp: 37129
Ion Ratio Lower Upper
165 100
63 1.4 42.6 63.8#
89 1.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.294 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.188 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion:165 Resp: 37129
Ion Ratio Lower Upper
165 100
63 1.4 40.9 61.3#
89 1.0 59.7 89.5#
182 0.0 0.0 0.0

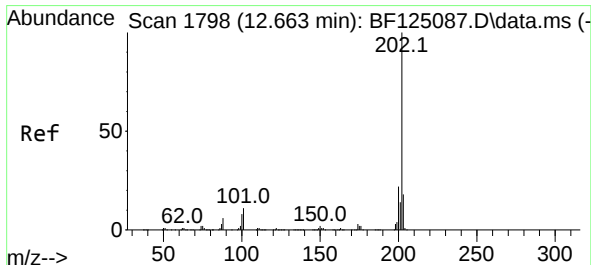
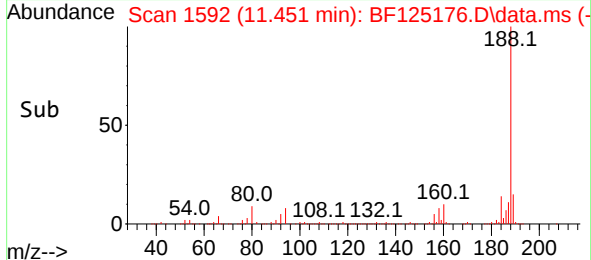
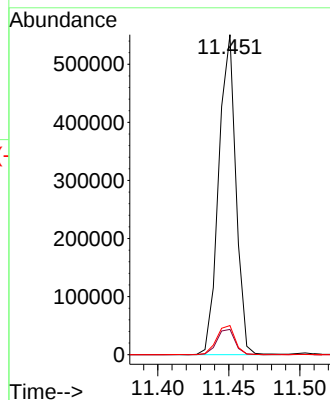
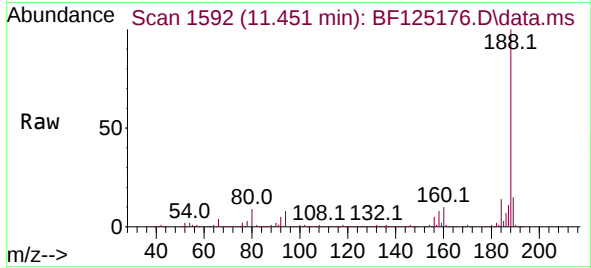




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

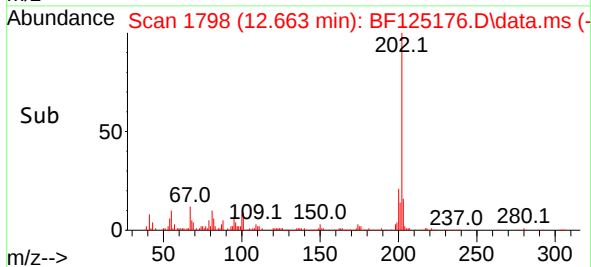
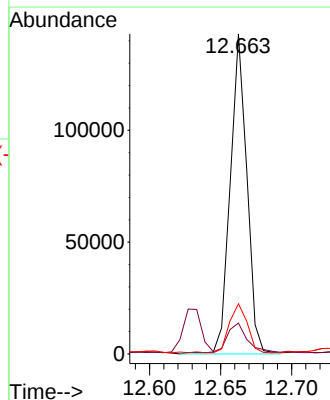
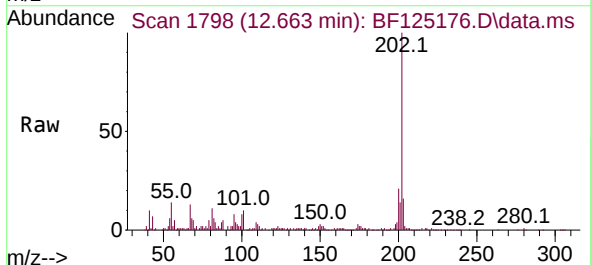
Instrument :
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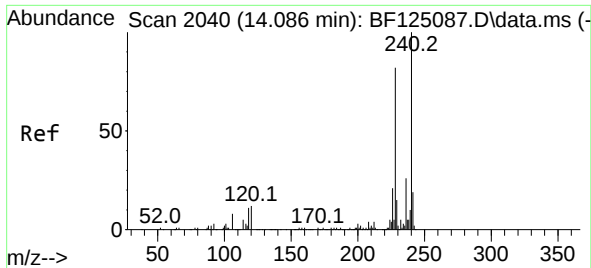
Tgt Ion:188 Resp: 463444
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 9.1 7.5 11.3



#75
Fluoranthene
Concen: 4.600 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion:202 Resp: 116547
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.7
203 15.7 0.0 36.3

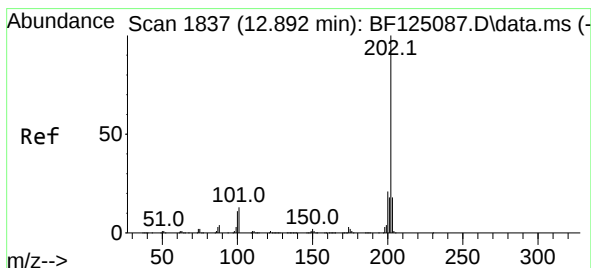
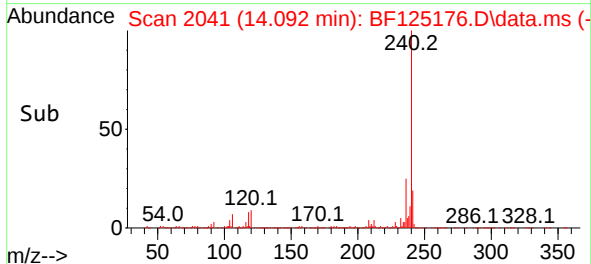
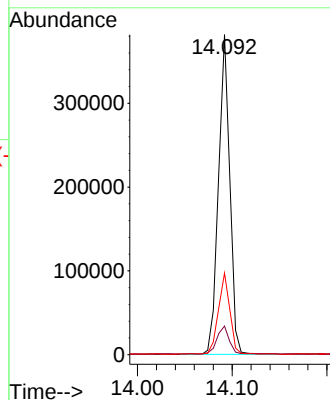
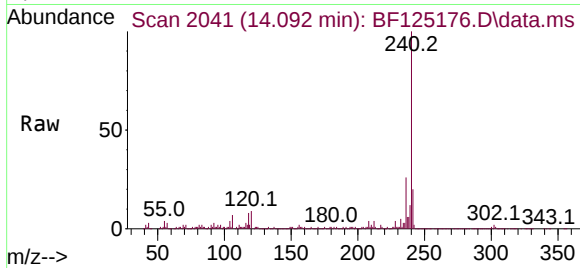




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

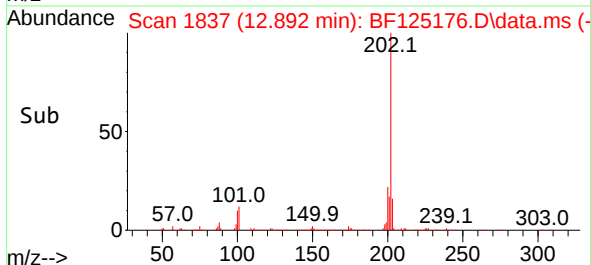
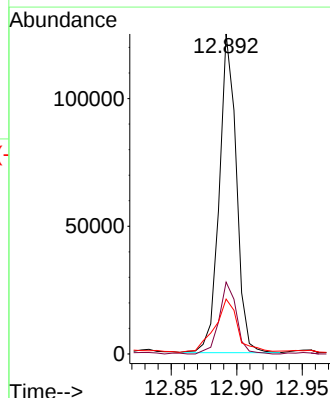
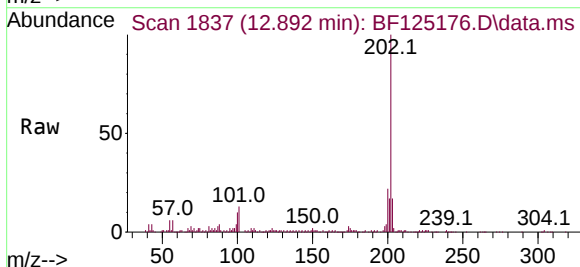
Instrument :
BNA_F
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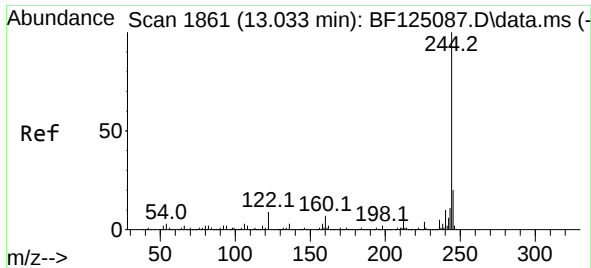
Tgt Ion:240 Resp: 318514
Ion Ratio Lower Upper
240 100
120 9.0 10.8 16.2#
236 25.5 21.6 32.4



#78
Pyrene
Concen: 4.132 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion:202 Resp: 112894
Ion Ratio Lower Upper
202 100
200 22.4 15.3 22.9
203 17.2 13.4 20.0

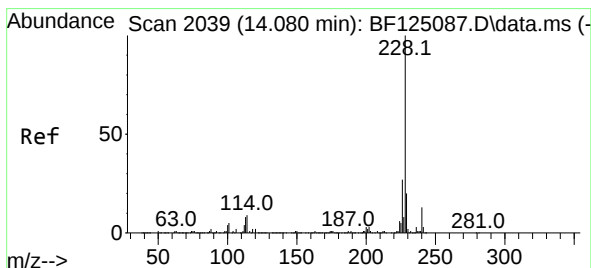
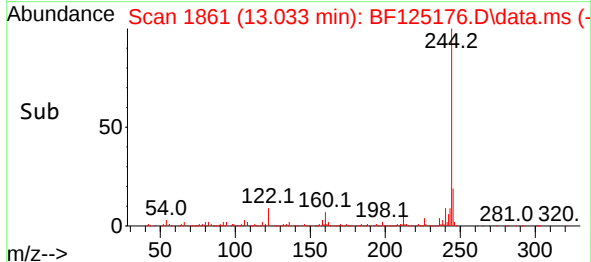
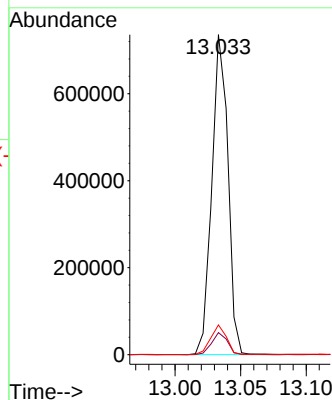
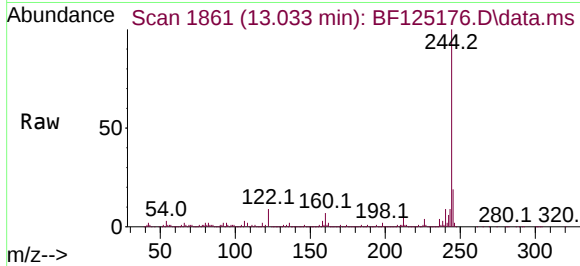




#79
 Terphenyl-d14
 Concen: 31.513 ng
 RT: 13.033 min Scan# 1861
 Delta R.T. -0.006 min
 Lab File: BF125176.D
 Acq: 24 Aug 2021 2:37

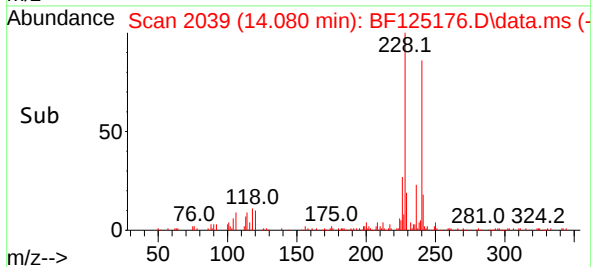
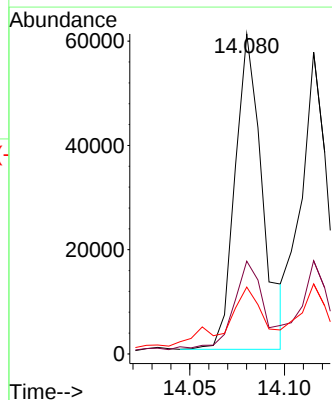
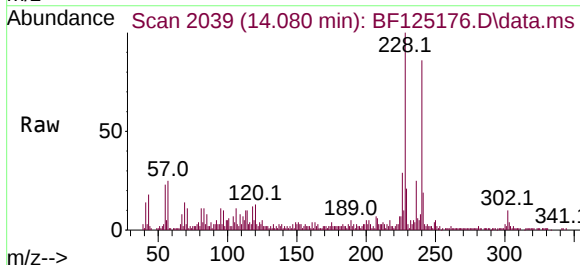
Instrument :
 BNA_F
 ClientSampleId :
 NB-8-082021

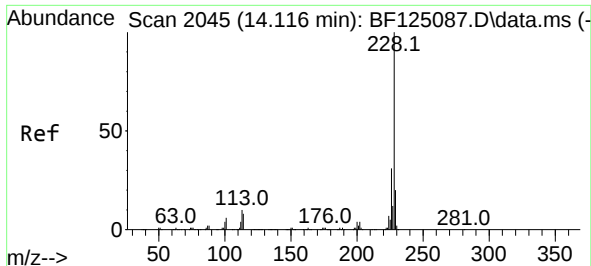
Tgt Ion:244 Resp: 630058
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.3 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.642 ng
 RT: 14.080 min Scan# 2039
 Delta R.T. -0.006 min
 Lab File: BF125176.D
 Acq: 24 Aug 2021 2:37

Tgt Ion:228 Resp: 60623
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.6 32.4
 229 20.9 15.6 23.4

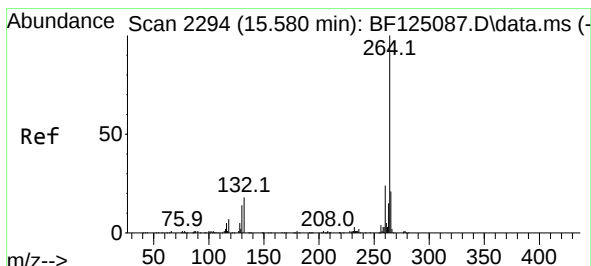
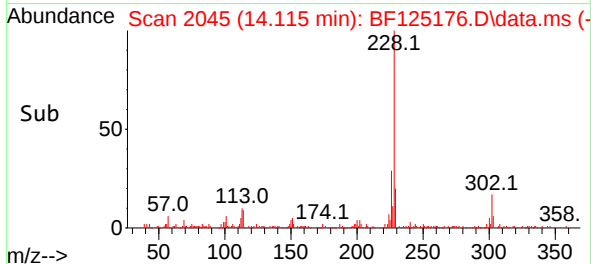
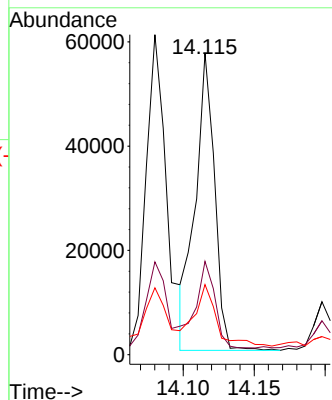
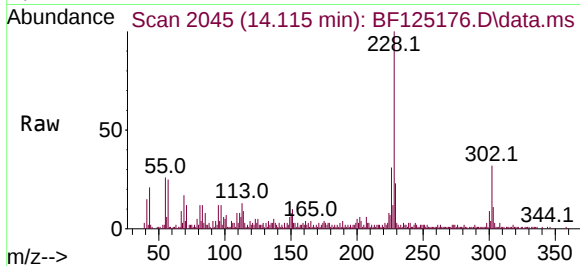




#83
Chrysene
Concen: 2.375 ng
RT: 14.115 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

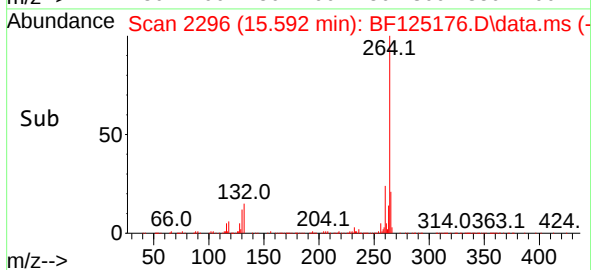
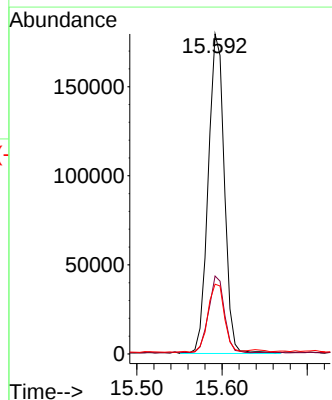
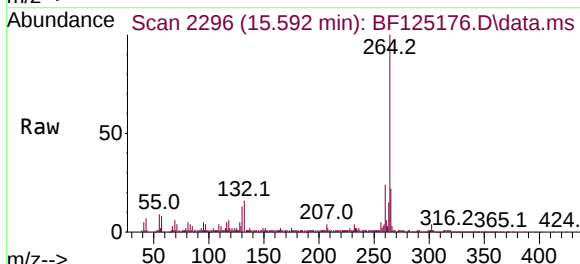
Instrument :
BNA_F
ClientSampleId :
NB-8-082021

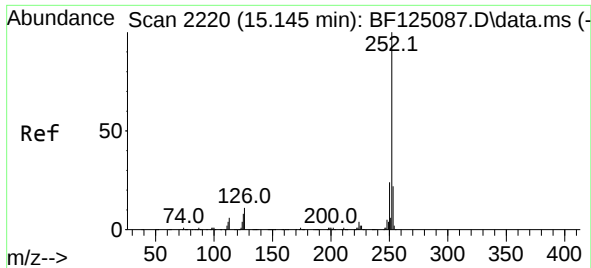
Tgt Ion:228	Resp:	53893
Ion Ratio	Lower	Upper
228	100	
226	30.9	22.6 34.0
229	23.2	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion:264	Resp:	235622
Ion Ratio	Lower	Upper
264	100	
260	24.3	19.6 29.4
265	21.8	17.2 25.8

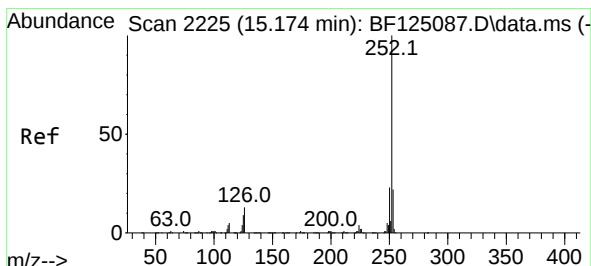
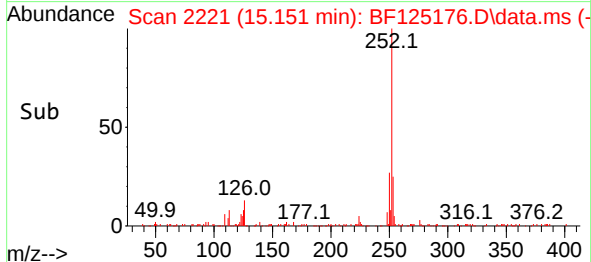
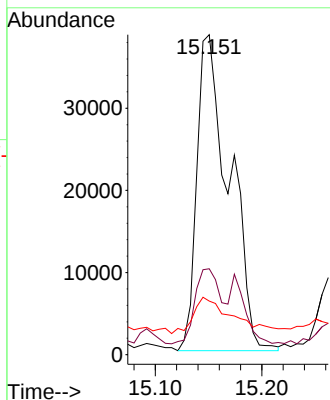
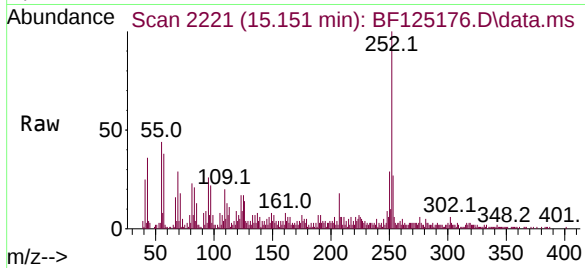




#88
Benzo(b)fluoranthene
Concen: 4.742 ng
RT: 15.151 min Scan# 2221
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

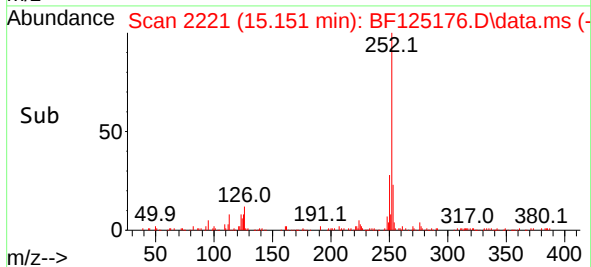
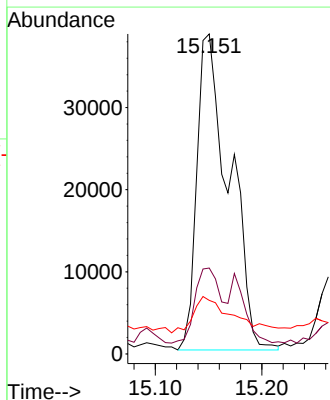
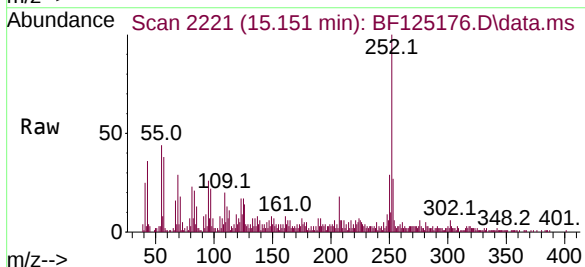
Instrument :
BNA_F
ClientSampleId :
NB-8-082021

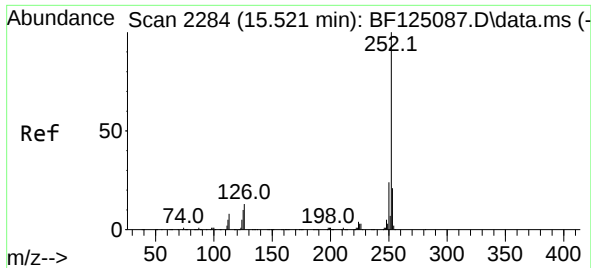
Tgt Ion:252 Resp: 81625
Ion Ratio Lower Upper
252 100
253 26.8 16.8 25.2#
125 16.7 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 5.081 ng
RT: 15.151 min Scan# 2221
Delta R.T. -0.035 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion:252 Resp: 81625
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.8#
125 16.7 7.2 10.8#

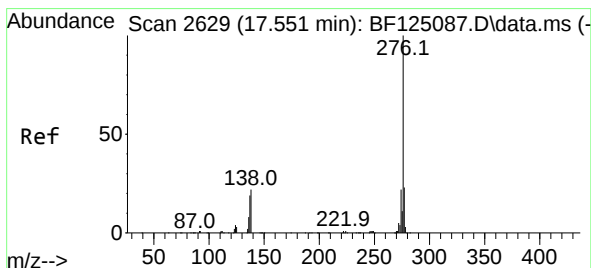
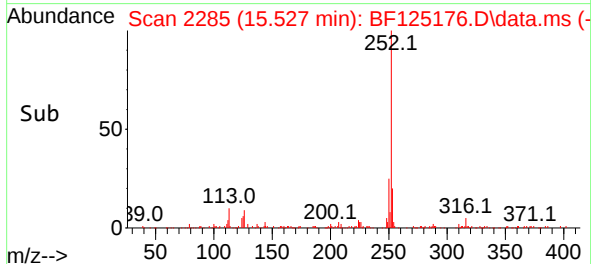
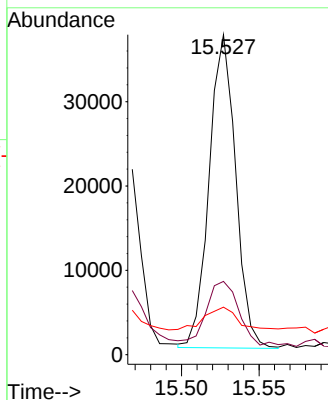
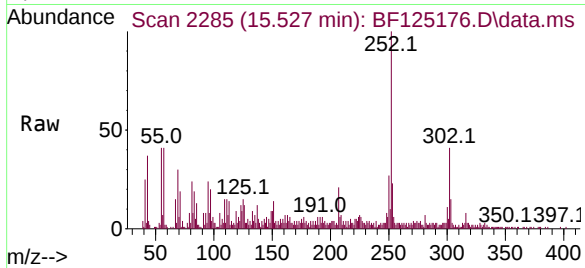




#90
Benzo(a)pyrene
Concen: 2.908 ng
RT: 15.527 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Instrument :
BNA_F
ClientSampleId :
NB-8-082021

Tgt Ion:252	Resp:	44217
Ion Ratio	Lower	Upper
252	100	
253	22.9	18.4 27.6
125	14.9	9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 2.192 ng
RT: 17.568 min Scan# 2632
Delta R.T. -0.018 min
Lab File: BF125176.D
Acq: 24 Aug 2021 2:37

Tgt Ion:276	Resp:	31009
Ion Ratio	Lower	Upper
276	100	
277	30.3	22.0 33.0
138	28.2	22.2 33.4

