

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
 Data File : BF125003.D
 Acq On : 9 Aug 2021 14:40
 Operator : JU/CG
 Sample : M3293-01DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 289DL

Quant Time: Aug 09 15:05:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 09 11:03:44 2021
 Response via : Initial Calibration

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

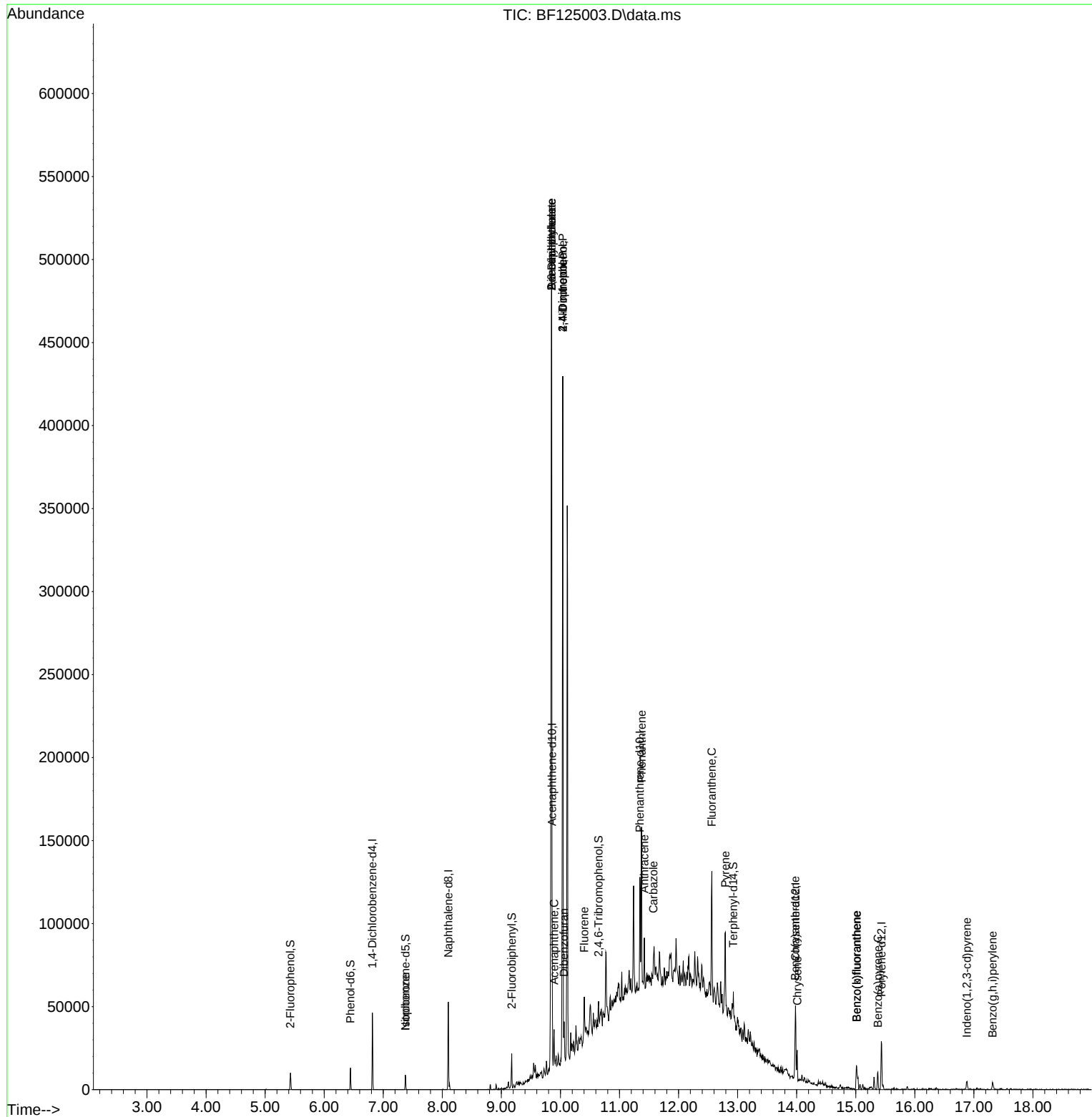
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	6445	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	24877	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	17259	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	20691	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	12656	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	14076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	3423	8.700	ng	-0.01
7) Phenol-d6	6.445	99	4205	8.476	ng	-0.01
23) Nitrobenzene-d5	7.375	82	2982	6.271	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	927	6.012	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	5785	4.905	ng	0.00
79) Terphenyl-d14	12.927	244	5265	7.017	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.375	82	2983	3.675	ng	# 59
49) Acenaphthylene	9.851	152	28484	18.326	ng	# 86
50) Dimethylphthalate	9.851	163	4314	3.689	ng	# 1
51) 2,6-Dinitrotoluene	9.851	165	50058	192.209	ng	# 40
52) Acenaphthene	9.892	154	4405	4.675	ng	92
54) 2,4-Dinitrophenol	10.039	184	492	8.899	ng	# 1
55) Dibenzofuran	10.063	168	4046	2.748	ng	97
56) 4-Nitrophenol	10.039	139	2454	13.572	ng	# 1
57) 2,4-Dinitrotoluene	10.039	165	30984	87.628	ng	# 48
58) Fluorene	10.404	166	4732	4.191	ng	# 85
71) Phenanthrene	11.374	178	35305	31.455	ng	97
72) Anthracene	11.421	178	9684	8.601	ng	98
73) Carbazole	11.574	167	3834	3.713	ng	# 85
75) Fluoranthene	12.563	202	27562	23.737	ng	97
78) Pyrene	12.792	202	21047	21.113	ng	94
81) Benzo(a)anthracene	13.974	228	8680	10.524	ng	97
83) Chrysene	14.009	228	7124	8.935	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	4142	4.941	ng	# 83
88) Benzo(b)fluoranthene	15.015	252	12157	12.300	ng	96
89) Benzo(k)fluoranthene	15.015	252	12157	13.521	ng	# 96
90) Benzo(a)pyrene	15.374	252	6065	7.206	ng	95
92) Benzo(g,h,i)perylene	17.315	276	3652	5.166	ng	# 88

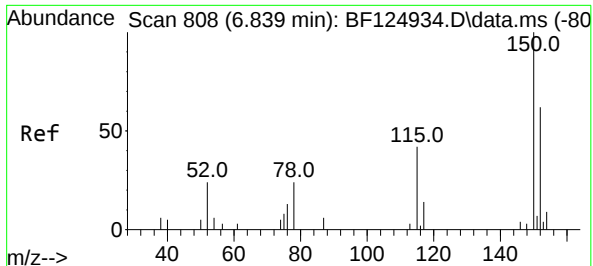
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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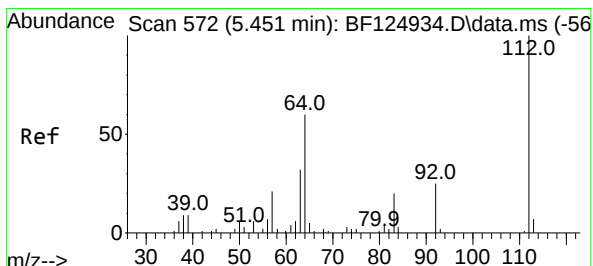
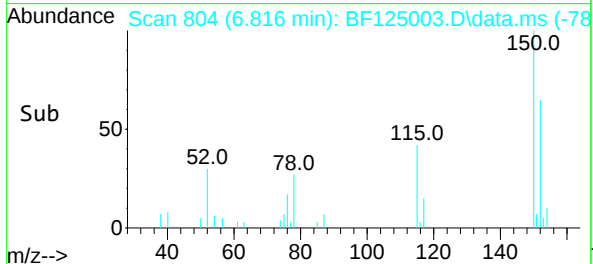
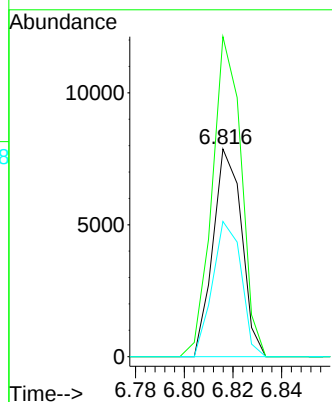
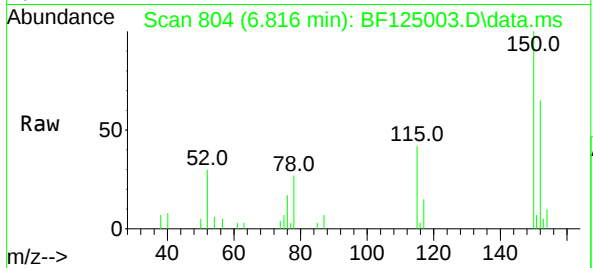




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

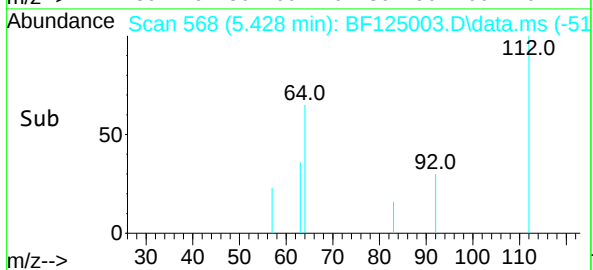
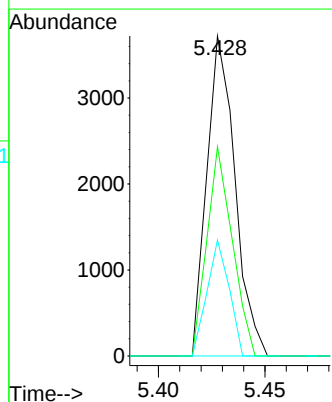
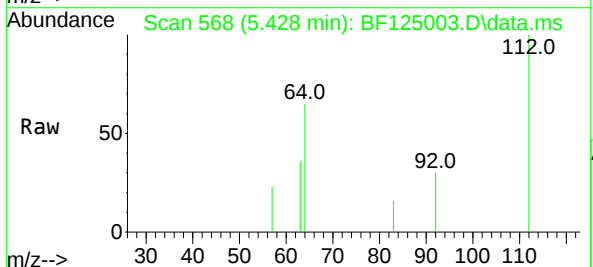
Instrument :
BNA_F
ClientSampleId :
289DL

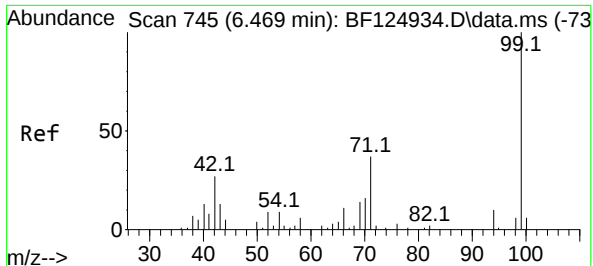
Tgt Ion:152 Resp: 6445
Ion Ratio Lower Upper
152 100
150 154.0 117.6 176.4
115 65.1 47.1 70.7



#5
2-Fluorophenol
Concen: 8.700 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:112 Resp: 3423
Ion Ratio Lower Upper
112 100
64 65.4 44.2 66.2
63 36.3 26.2 39.2

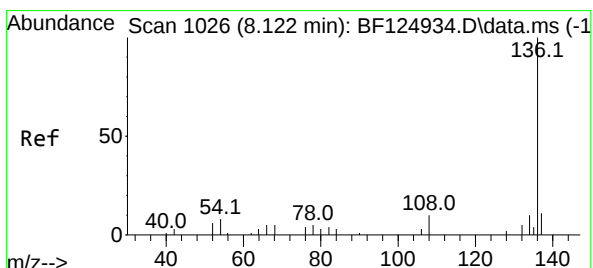
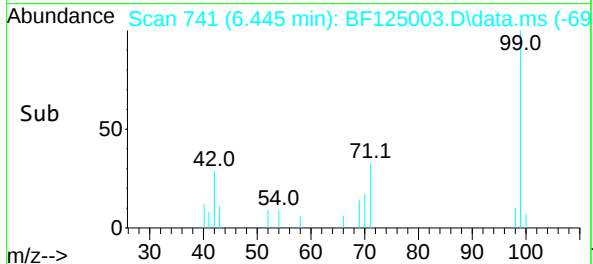
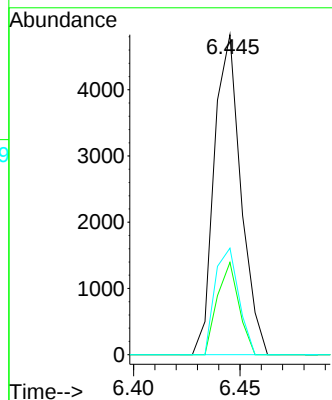
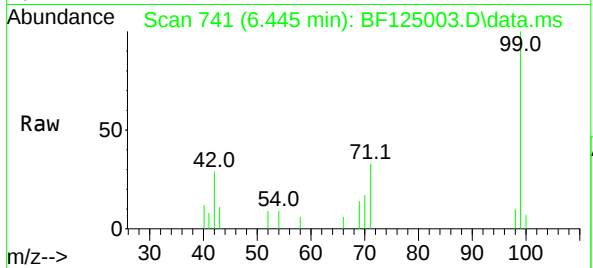




#7
Phenol-d6
Concen: 8.476 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

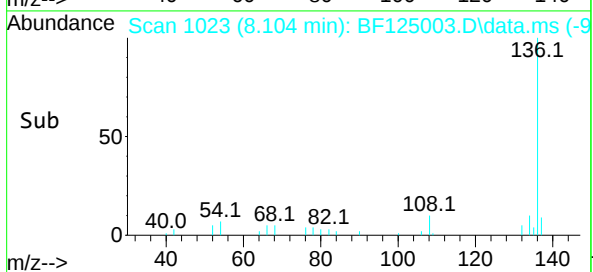
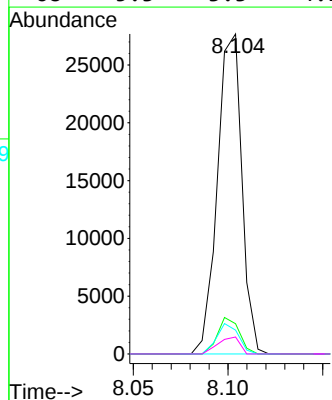
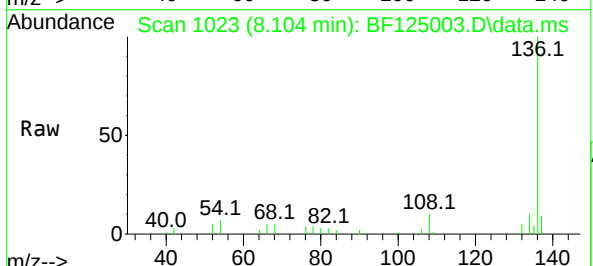
Instrument :
BNA_F
ClientSampled :
289DL

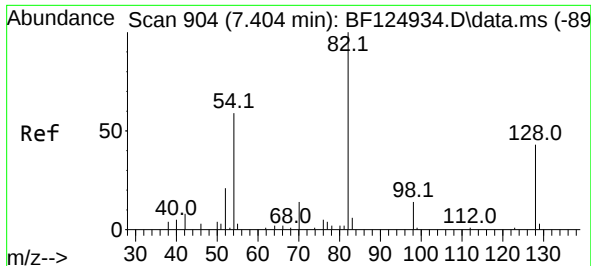
Tgt Ion:	99	Resp:	4205
Ion	Ratio	Lower	Upper
99	100		
42	28.8	23.5	35.3
71	33.3	25.6	38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:	136	Resp:	24877
Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.8	14.6#
54	7.4	6.4	9.6
68	5.3	3.3	4.9#





#23

Nitrobenzene-d5

Concen: 6.271 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF125003.D

Acq: 9 Aug 2021 14:40

Tgt Ion: 82 Resp: 2982

Ion Ratio Lower Upper

82 100

128 33.6 40.6 60.8#

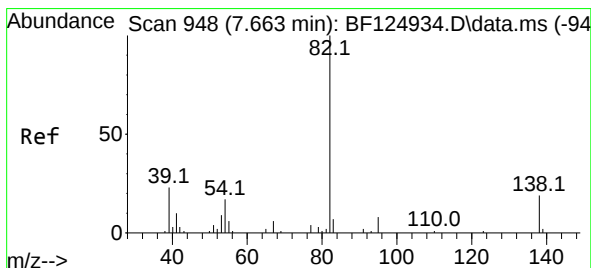
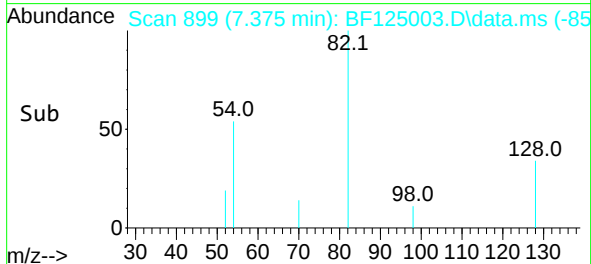
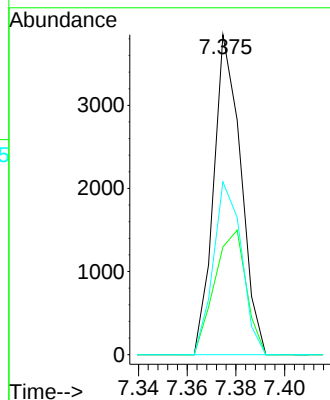
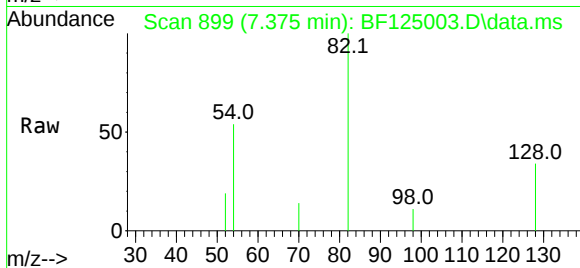
54 54.0 49.6 74.4

Instrument :

BNA_F

ClientSampled :

289DL



#25

Isophorone

Concen: 3.675 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.271 min

Lab File: BF125003.D

Acq: 9 Aug 2021 14:40

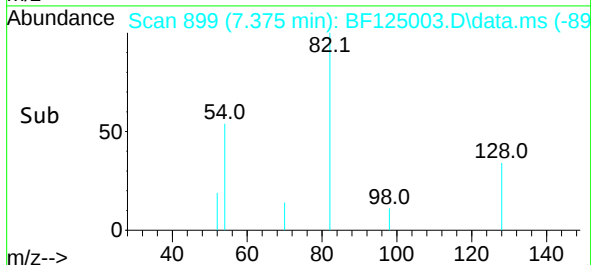
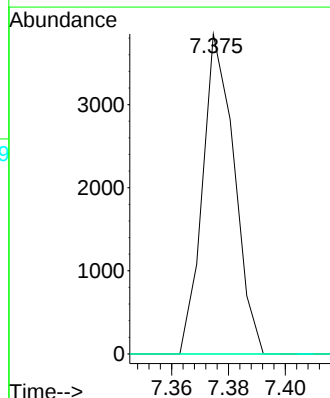
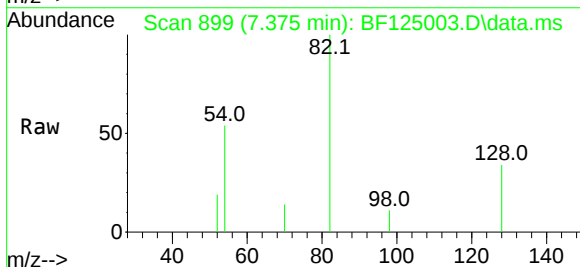
Tgt Ion: 82 Resp: 2983

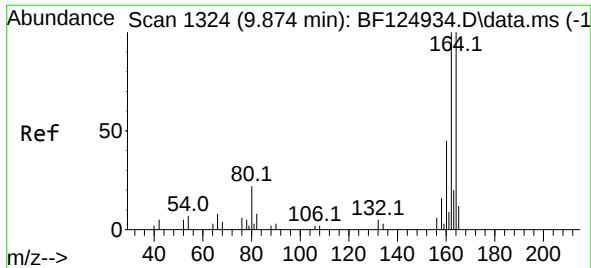
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

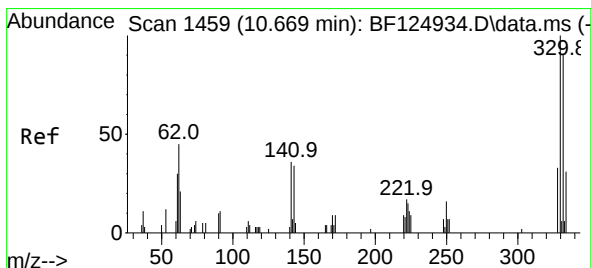
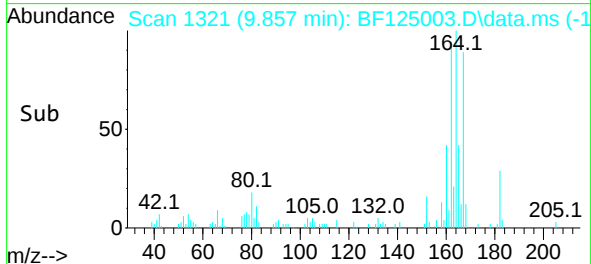
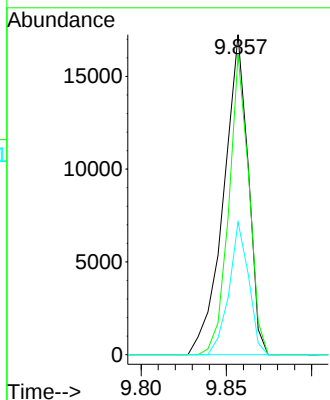
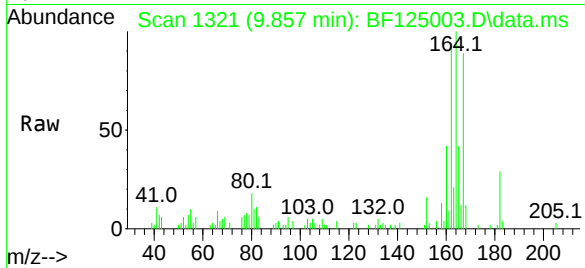




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

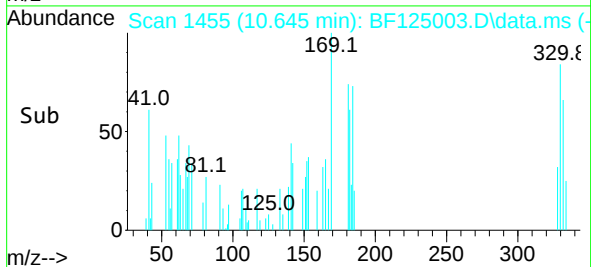
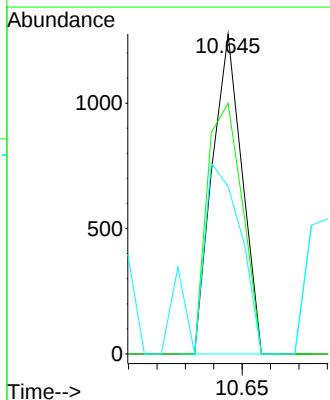
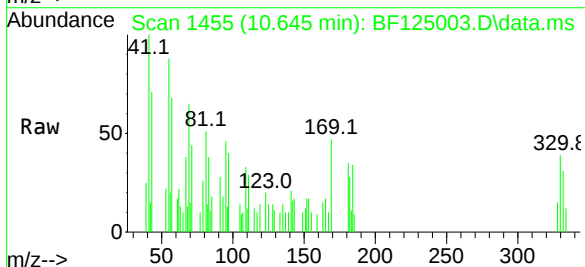
Instrument :
BNA_F
ClientSampled :
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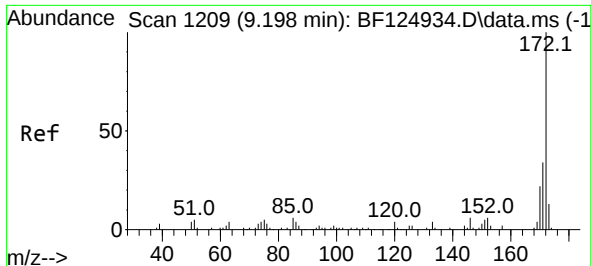
Tgt Ion:164 Resp: 17259
Ion Ratio Lower Upper
164 100
162 93.7 81.3 121.9
160 41.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 6.012 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:330 Resp: 927
Ion Ratio Lower Upper
330 100
332 92.1 76.2 114.4
141 84.0 44.6 66.8#

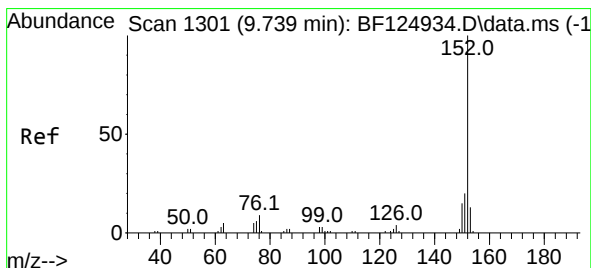
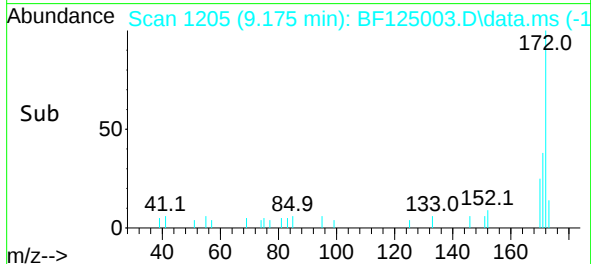
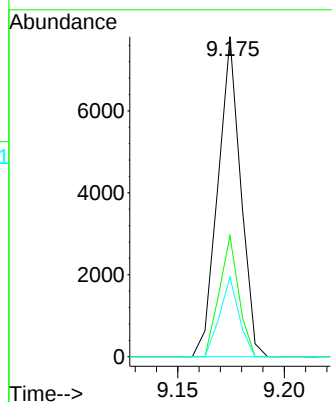
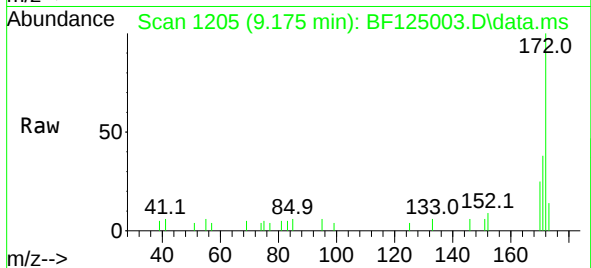




#45
2-Fluorobiphenyl
Concen: 4.905 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

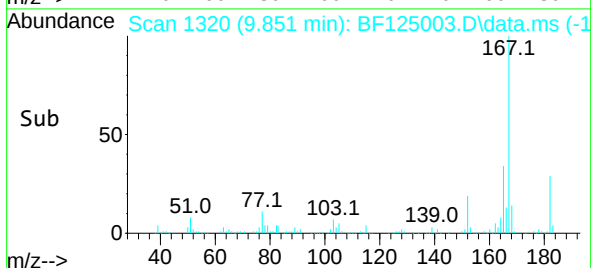
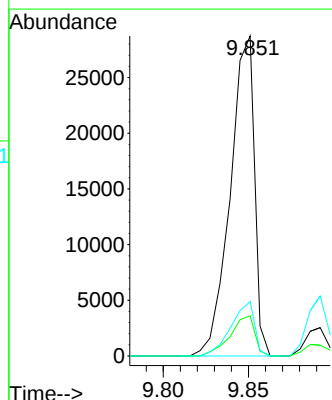
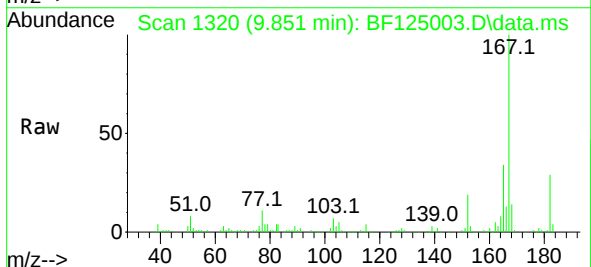
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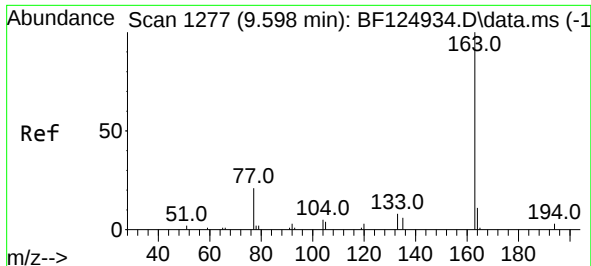
Tgt Ion:172	Resp:	5785
Ion Ratio	Lower	Upper
172	100	
171	37.8	26.5 39.7
170	24.9	18.8 28.2



#49
Acenaphthylene
Concen: 18.326 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.129 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:152	Resp:	28484
Ion Ratio	Lower	Upper
152	100	
151	12.5	15.7 23.5#
153	17.0	9.8 14.8#

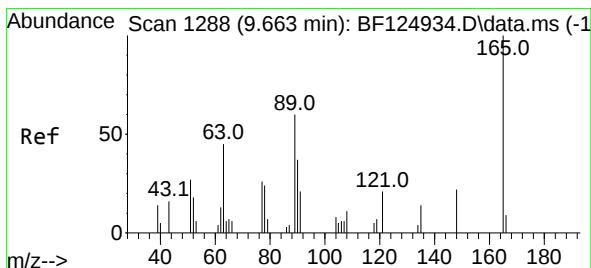
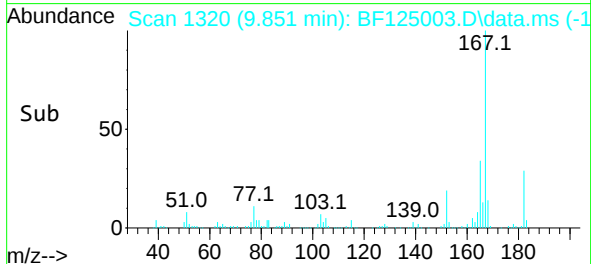
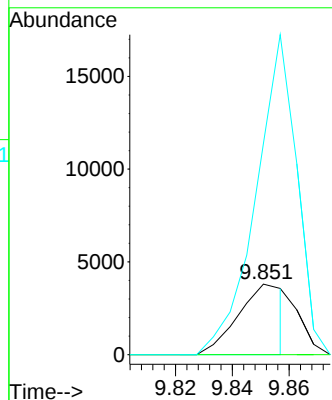
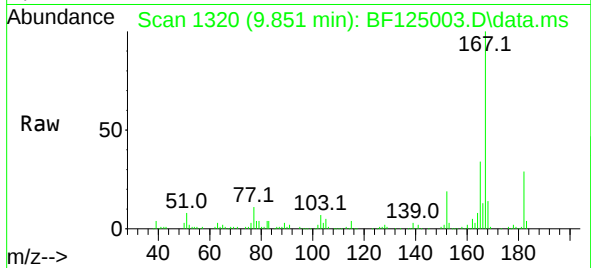




#50
Dimethylphthalate
Concen: 3.689 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.265 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

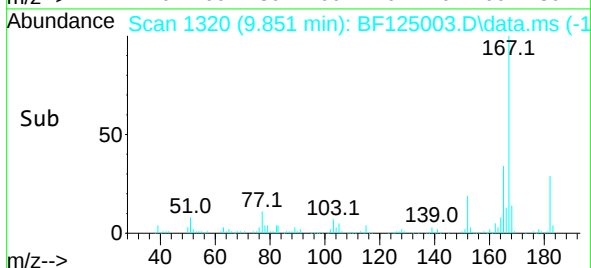
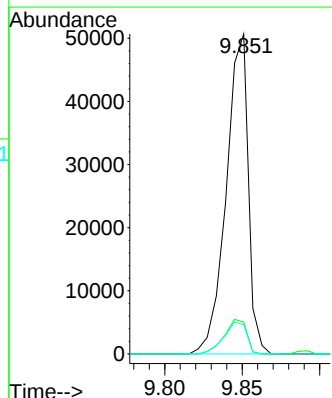
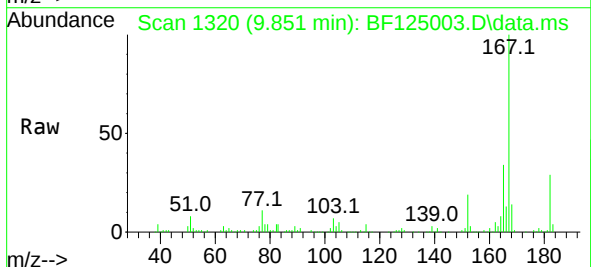
Instrument :
BNA_F
ClientSampled :
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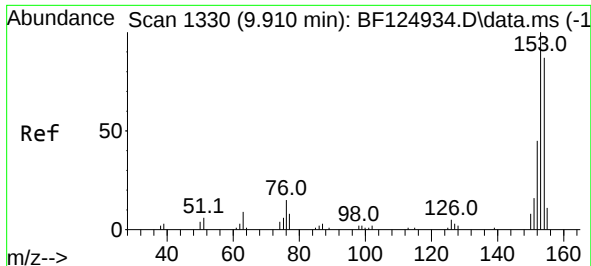
Tgt Ion:163 Resp: 4314
Ion Ratio Lower Upper
163 100
194 0.0 2.6 3.8#
164 299.0 7.4 11.0#



#51
2,6-Dinitrotoluene
Concen: 192.209 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.206 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:165 Resp: 50058
Ion Ratio Lower Upper
165 100
63 10.0 42.6 63.8#
89 9.1 40.6 60.8#

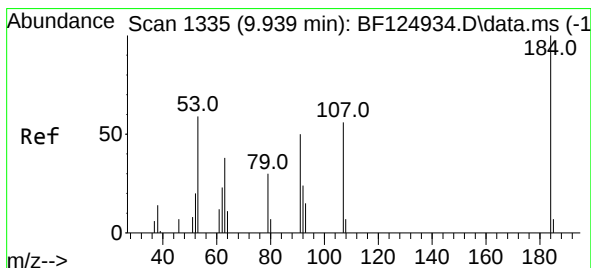
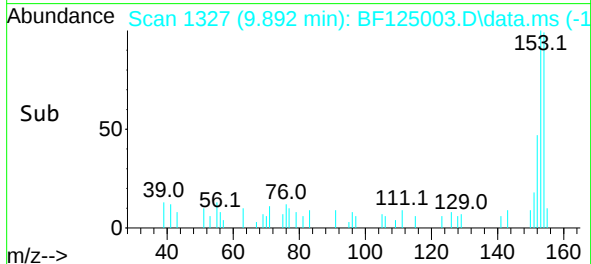
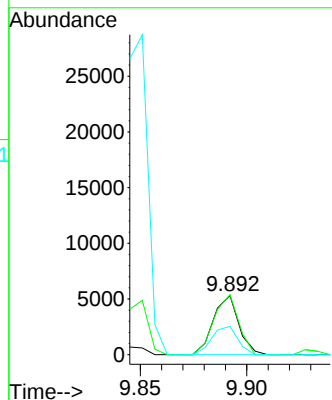
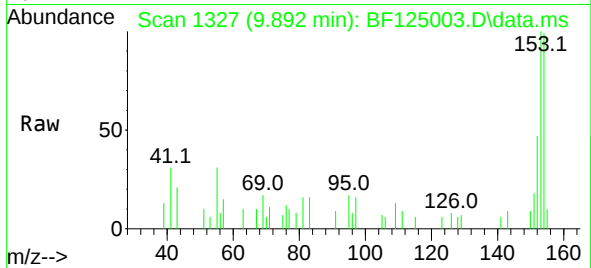




#52
Acenaphthene
Concen: 4.675 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

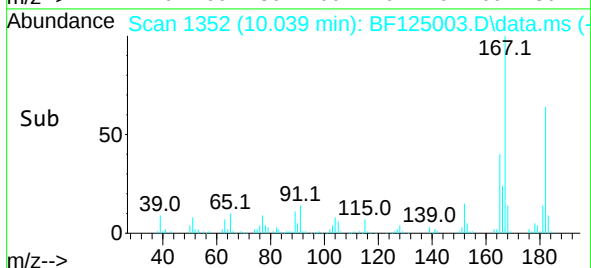
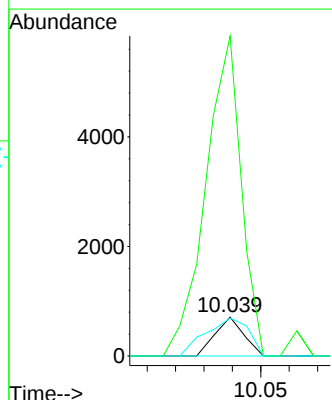
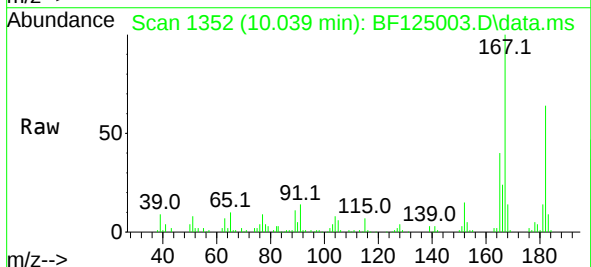
Instrument :
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289DL

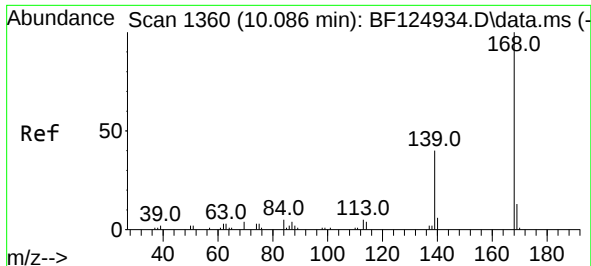
Tgt Ion:154 Resp: 4405
Ion Ratio Lower Upper
154 100
153 101.3 89.4 134.2
152 47.8 40.5 60.7



#54
2,4-Dinitrophenol
Concen: 8.899 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.112 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:184 Resp: 492
Ion Ratio Lower Upper
184 100
63 824.3 59.3 88.9#
154 97.7 68.6 102.8

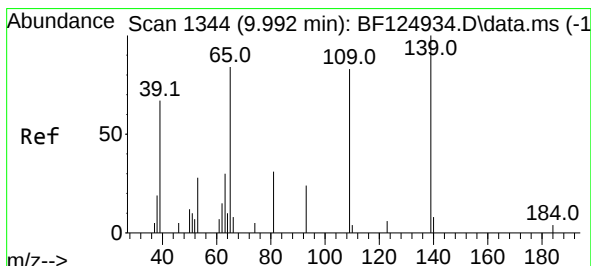
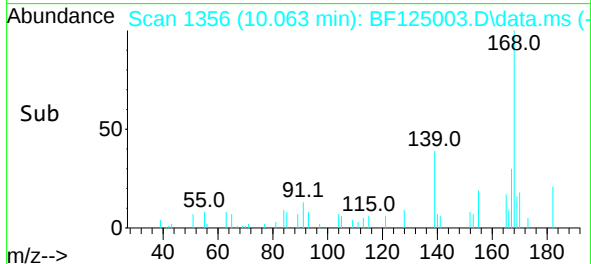
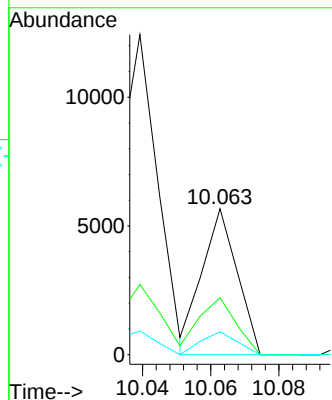
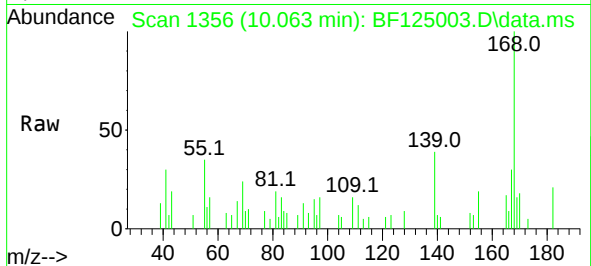




#55
Dibenzenofuran
Concen: 2.748 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

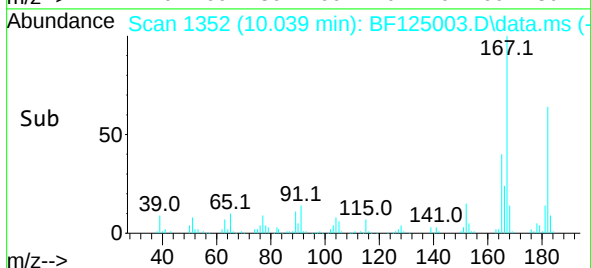
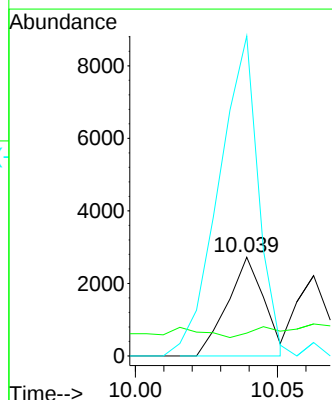
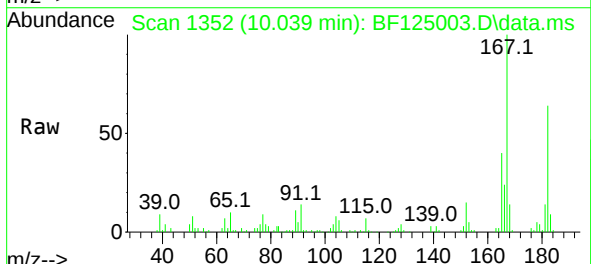
Instrument :
BNA_F
ClientSampled :
289DL

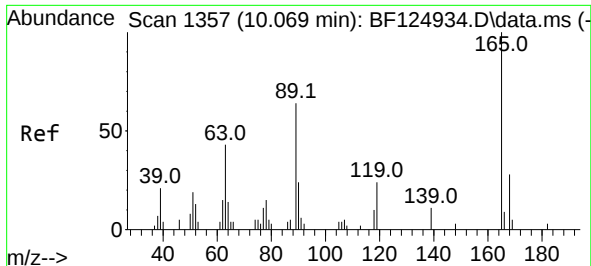
Tgt Ion:168 Resp: 4046
Ion Ratio Lower Upper
168 100
139 39.1 32.7 49.1
169 15.7 11.2 16.8



#56
4-Nitrophenol
Concen: 13.572 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.059 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:139 Resp: 2454
Ion Ratio Lower Upper
139 100
109 23.2 60.4 100.4#
65 323.9 58.4 98.4#

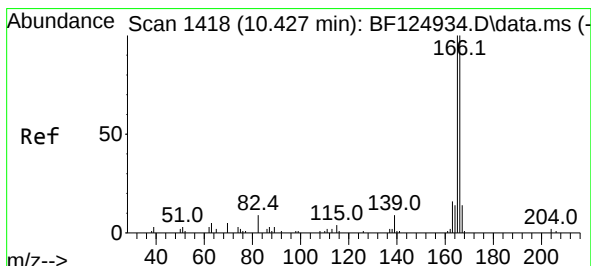
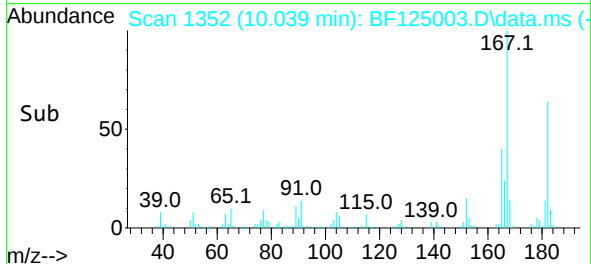
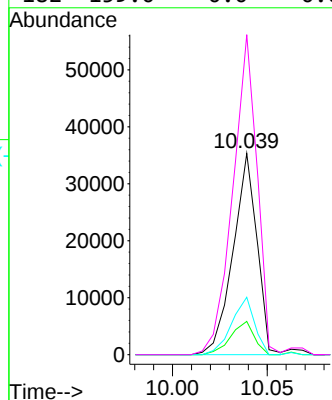
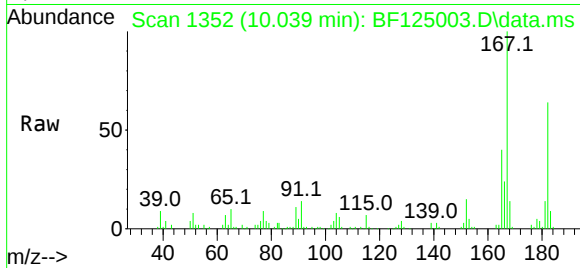




#57
2,4-Dinitrotoluene
Concen: 87.628 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

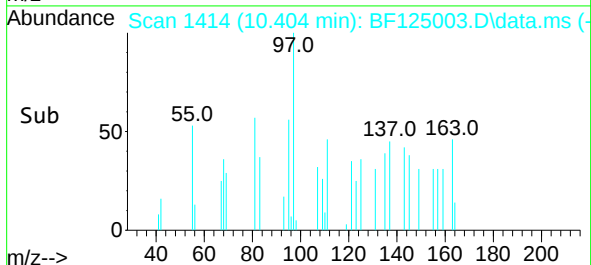
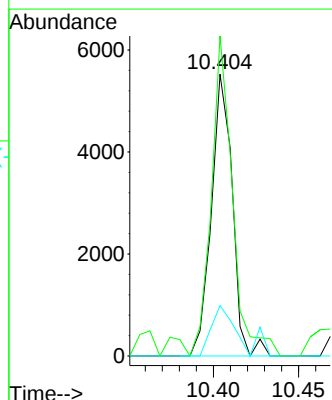
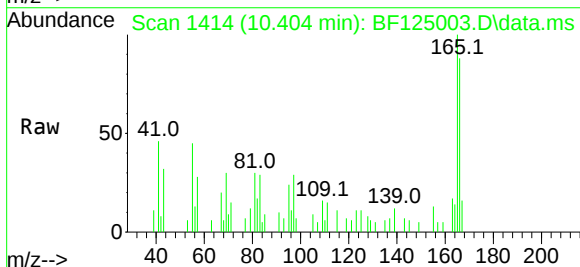
Instrument :
BNA_F
ClientSampled :
289DL

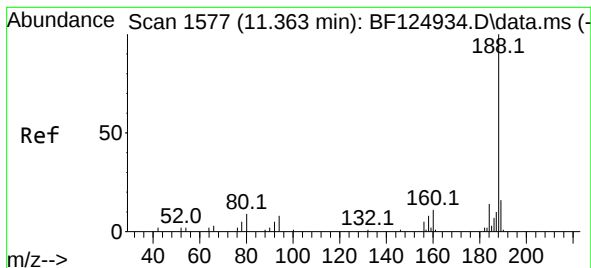
Tgt Ion:165 Resp: 30984
Ion Ratio Lower Upper
165 100
63 16.5 40.9 61.3#
89 28.6 59.7 89.5#
182 159.0 0.0 0.0#



#58
Fluorene
Concen: 4.191 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:166 Resp: 4732
Ion Ratio Lower Upper
166 100
165 113.6 78.1 117.1
167 17.9 11.1 16.7#

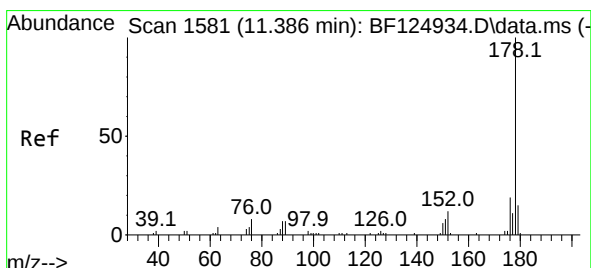
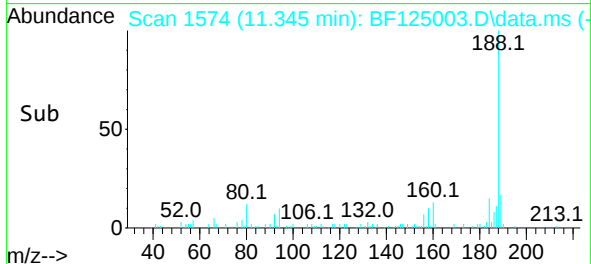
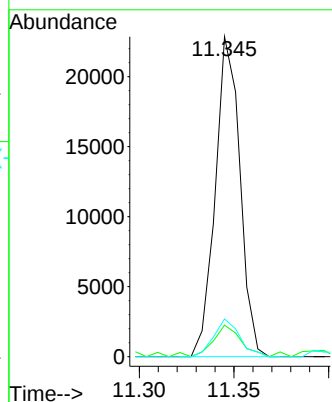
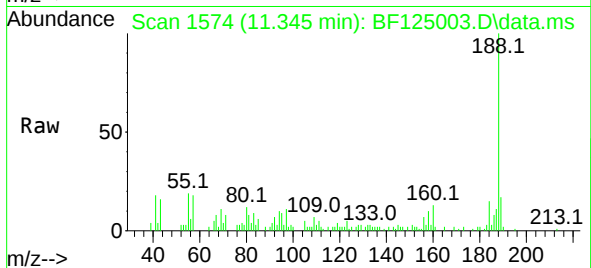




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

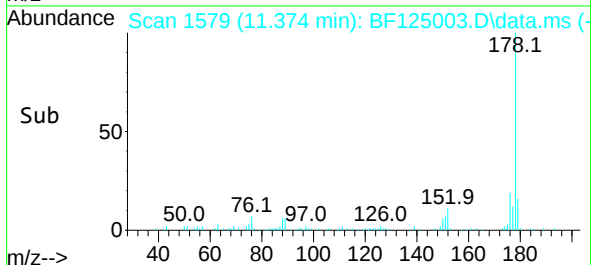
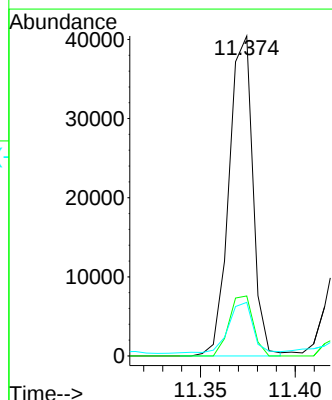
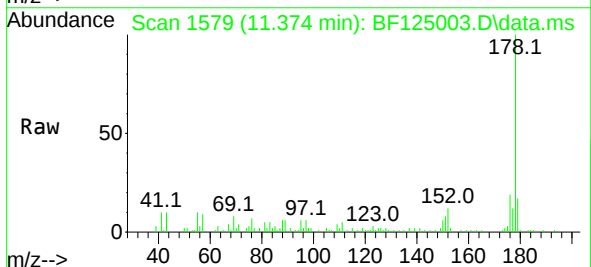
Instrument :
BNA_F
ClientSampled :
289DL

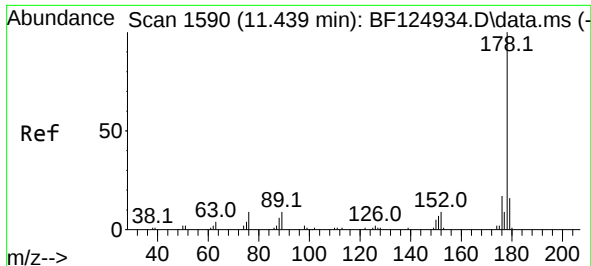
Tgt Ion:188 Resp: 20691
Ion Ratio Lower Upper
188 100
94 9.9 6.7 10.1
80 11.8 7.5 11.3#



#71
Phenanthrene
Concen: 31.455 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:178 Resp: 35305
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 16.8 11.5 17.3

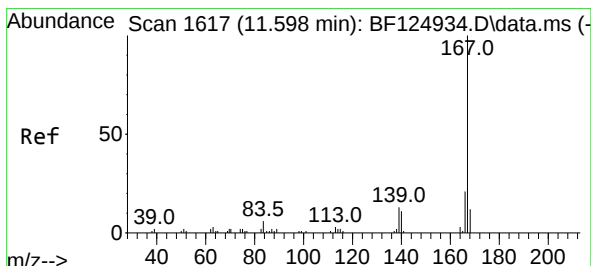
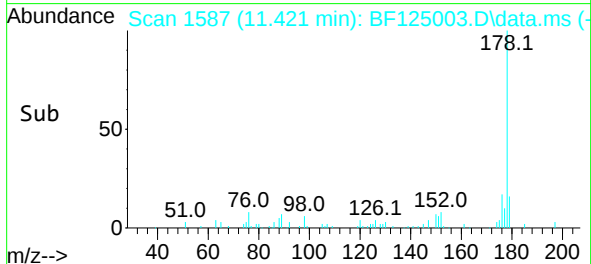
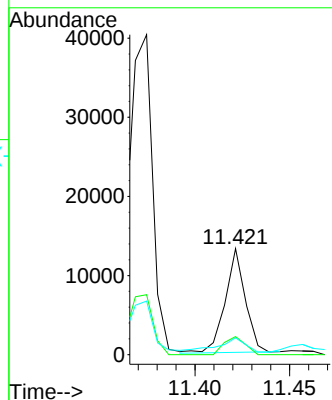
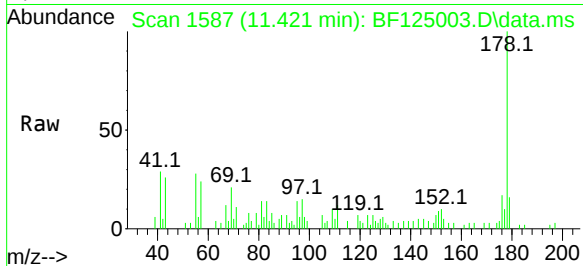




#72
 Anthracene
 Concen: 8.601 ng
 RT: 11.421 min Scan# 1587
 Delta R.T. 0.000 min
 Lab File: BF125003.D
 Acq: 9 Aug 2021 14:40

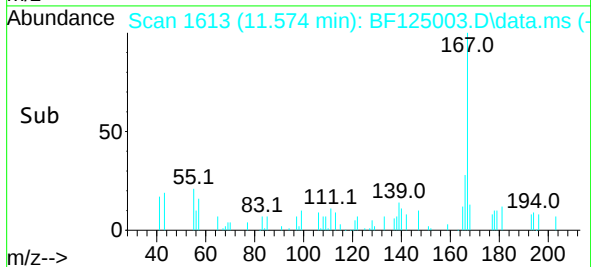
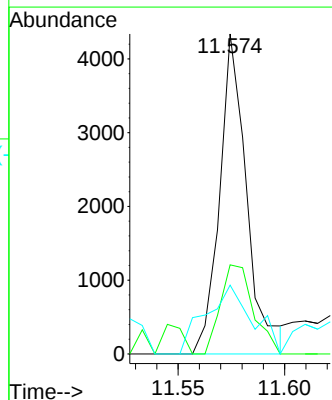
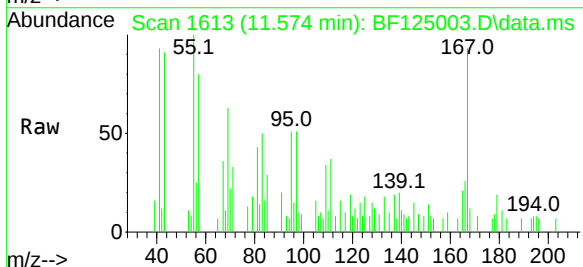
Instrument :
 BNA_F
 ClientSampled :
 289DL

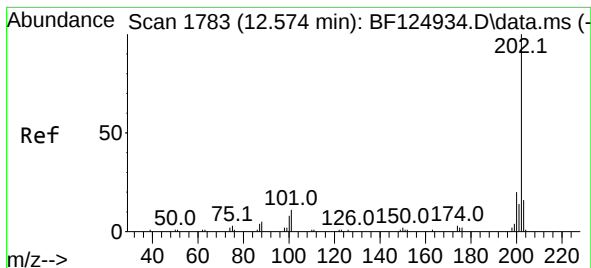
Tgt Ion:178 Resp: 9684
 Ion Ratio Lower Upper
 178 100
 176 17.1 14.3 21.5
 179 15.9 12.2 18.4



#73
 Carbazole
 Concen: 3.713 ng
 RT: 11.574 min Scan# 1613
 Delta R.T. -0.006 min
 Lab File: BF125003.D
 Acq: 9 Aug 2021 14:40

Tgt Ion:167 Resp: 3834
 Ion Ratio Lower Upper
 167 100
 166 27.8 17.4 26.0#
 139 21.5 11.0 16.4#

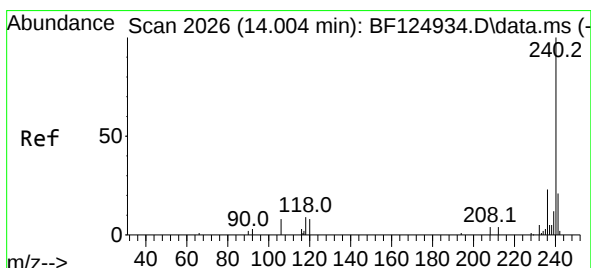
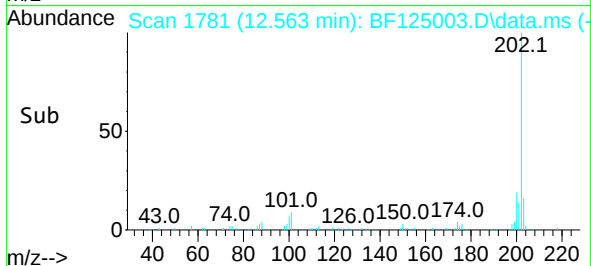
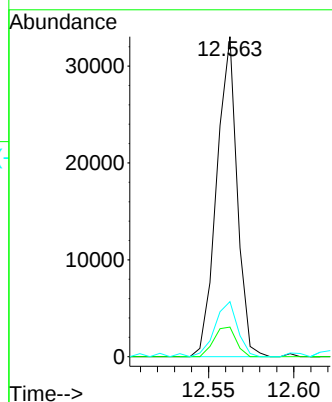
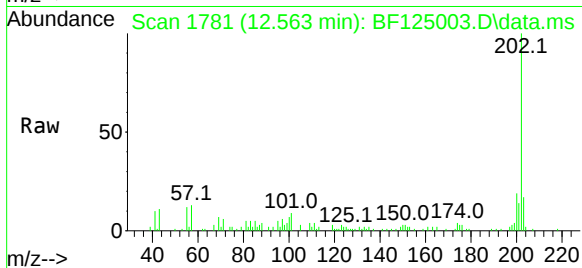




#75
Fluoranthene
Concen: 23.737 ng
RT: 12.563 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

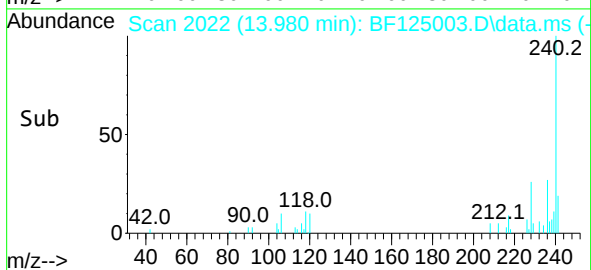
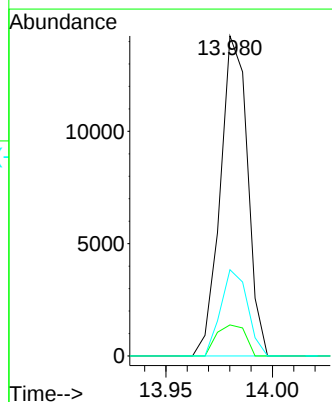
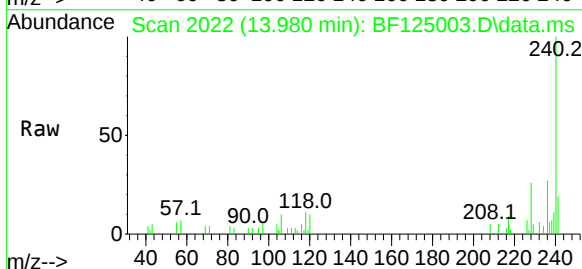
Instrument :
BNA_F
ClientSampled :
289DL

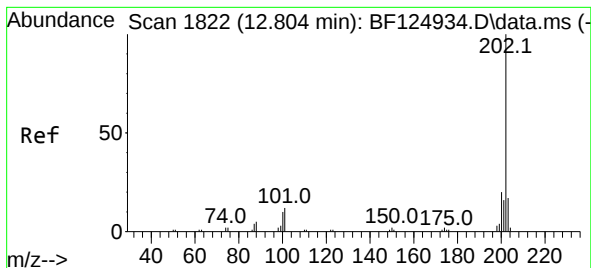
Tgt Ion:202 Resp: 27562
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.7
203 17.2 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:240 Resp: 12656
Ion Ratio Lower Upper
240 100
120 9.7 10.8 16.2#
236 26.9 21.6 32.4





#78

Pyrene

Concen: 21.113 ng

RT: 12.792 min Scan# 1820

Delta R.T. 0.006 min

Lab File: BF125003.D

Acq: 9 Aug 2021 14:40

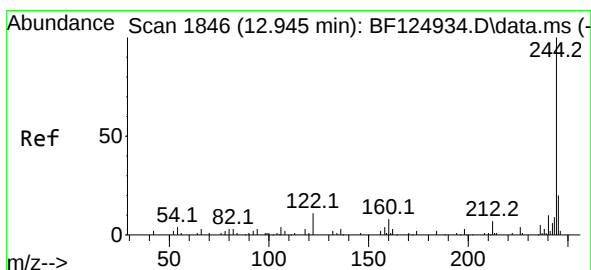
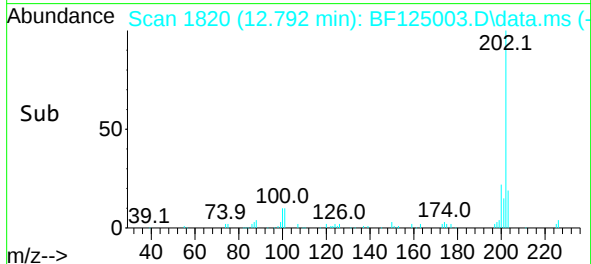
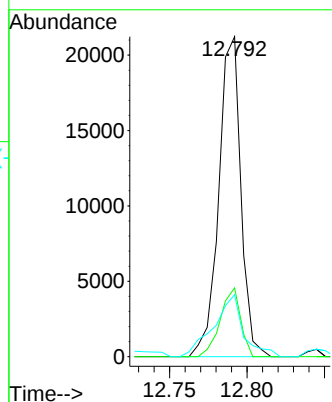
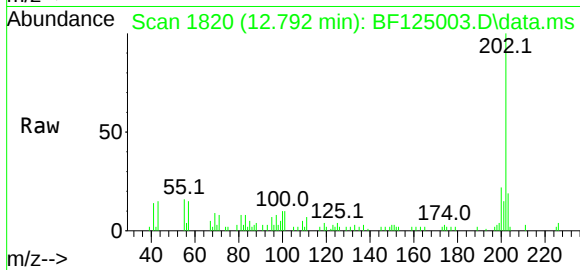
Tgt Ion:	202	Resp:	21047
Ion Ratio	Lower	Upper	
202	100		
200	21.5	15.3	22.9
203	19.4	13.4	20.0

Instrument :

BNA_F

ClientSampled :

289DL



#79

Terphenyl-d14

Concen: 7.017 ng

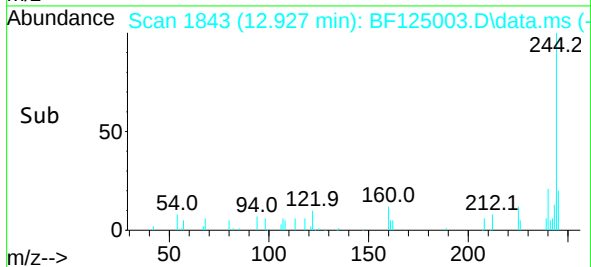
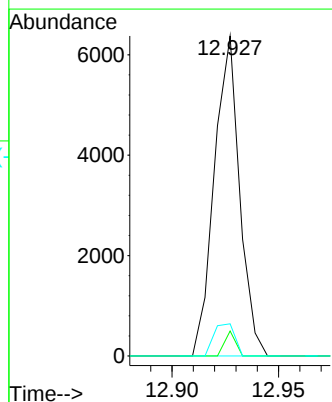
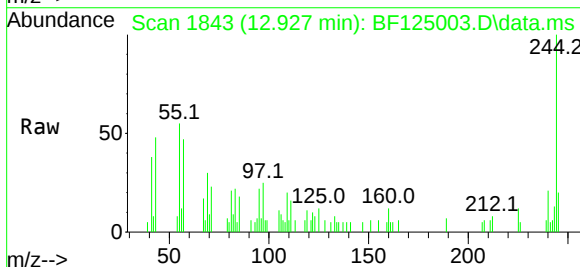
RT: 12.927 min Scan# 1843

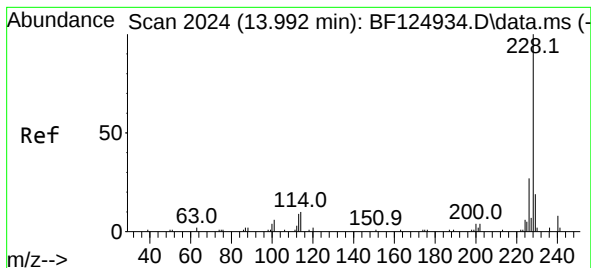
Delta R.T. 0.000 min

Lab File: BF125003.D

Acq: 9 Aug 2021 14:40

Tgt Ion:	244	Resp:	5265
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.9	8.9
122	10.1	9.0	13.4

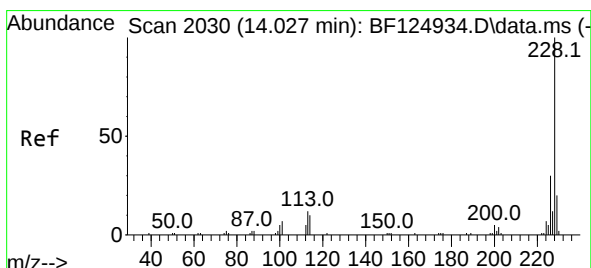
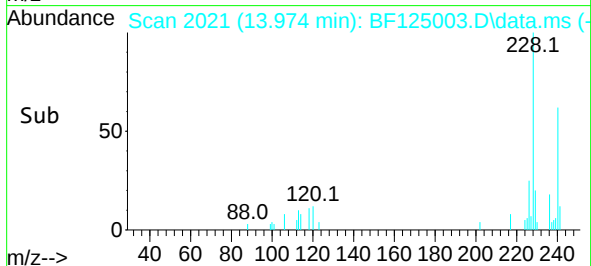
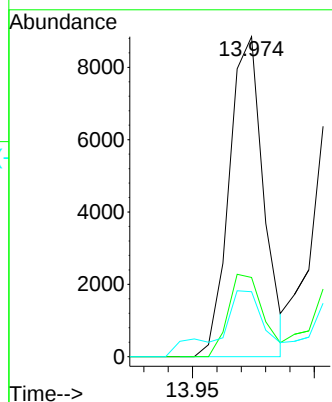
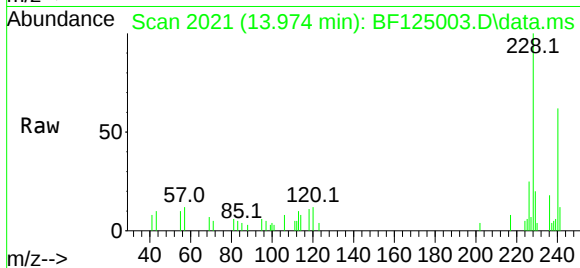




#81
Benzo(a)anthracene
Concen: 10.524 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

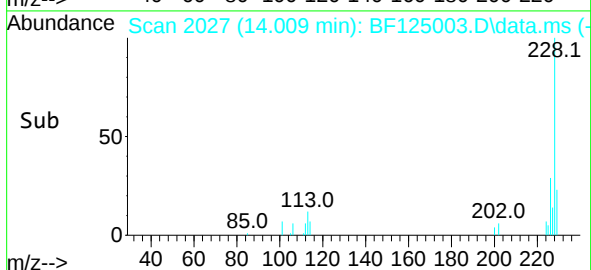
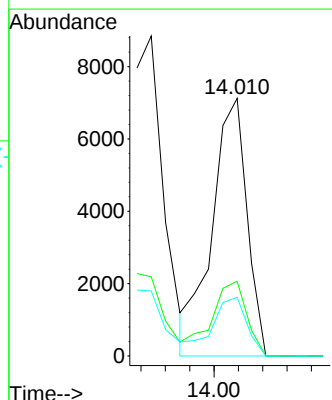
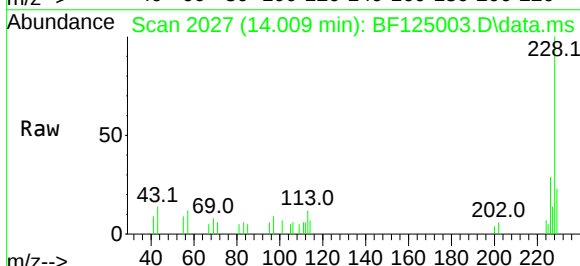
Instrument :
BNA_F
ClientSampled :
289DL

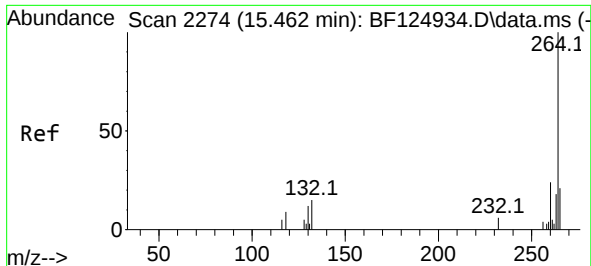
Tgt Ion:228 Resp: 8680
Ion Ratio Lower Upper
228 100
226 24.7 21.6 32.4
229 20.3 15.6 23.4



#83
Chrysene
Concen: 8.935 ng
RT: 14.009 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

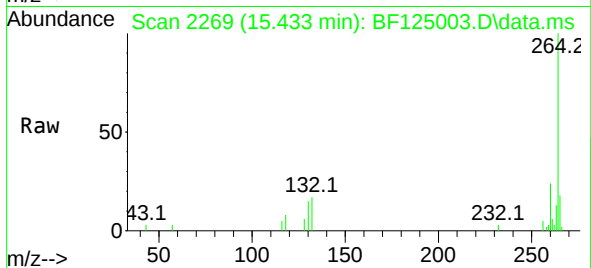
Tgt Ion:228 Resp: 7124
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 22.8 15.9 23.9



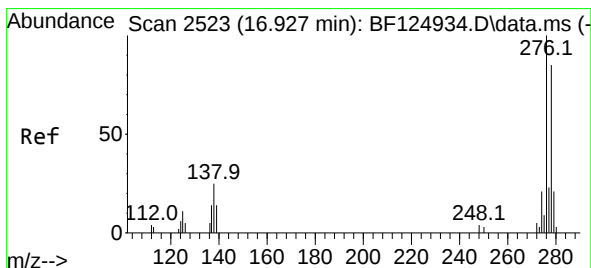
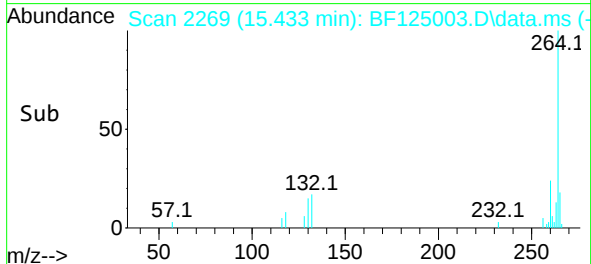
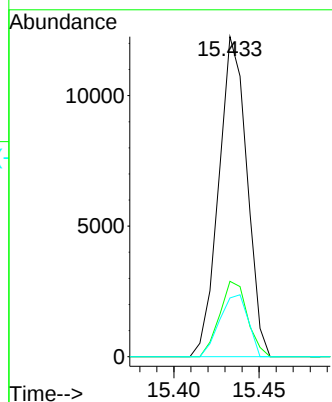


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF125003.D
 Acq: 9 Aug 2021 14:40

Instrument :
 BNA_F
 ClientSampled :
 289DL

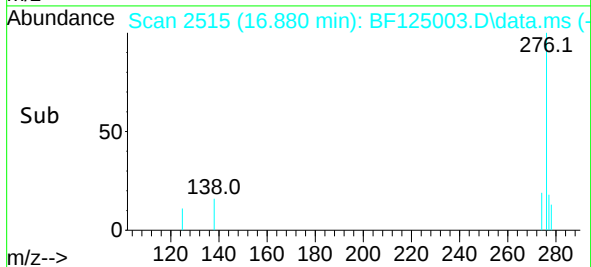
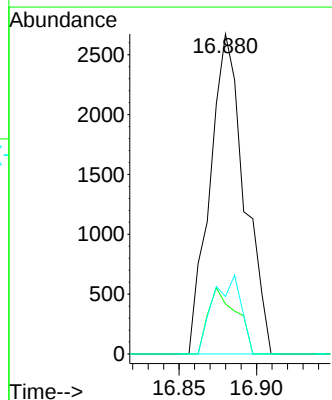
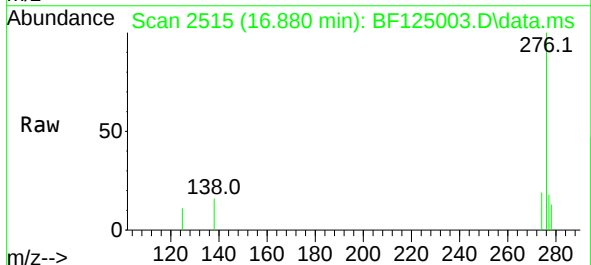


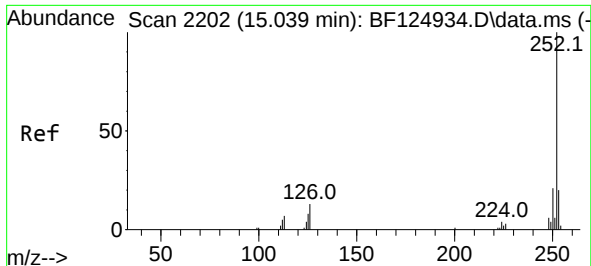
Tgt Ion:264 Resp: 14076
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.6 29.4
 265 18.4 17.2 25.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.941 ng
 RT: 16.880 min Scan# 2515
 Delta R.T. -0.012 min
 Lab File: BF125003.D
 Acq: 9 Aug 2021 14:40

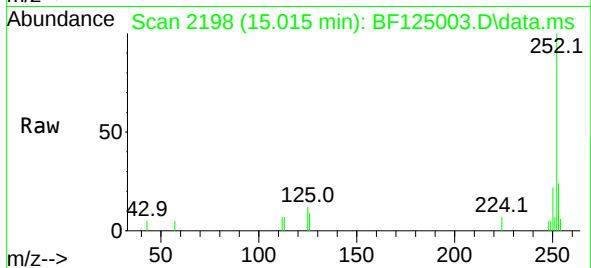
Tgt Ion:276 Resp: 4142
 Ion Ratio Lower Upper
 276 100
 138 16.8 24.1 36.1#
 277 19.9 18.8 28.2



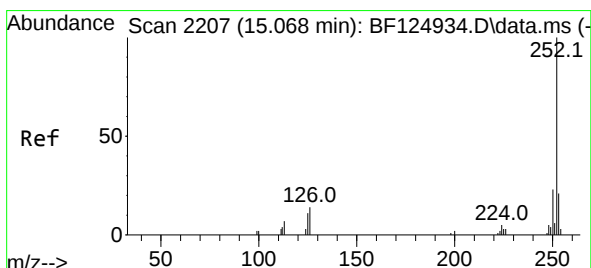
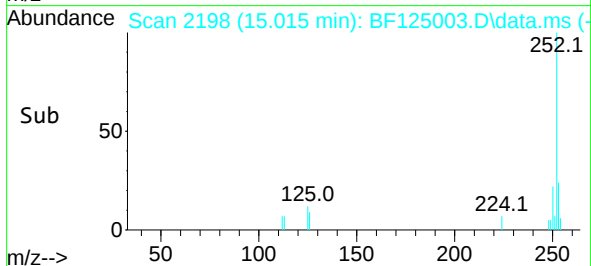
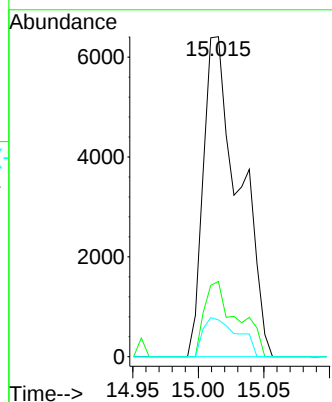


#88
Benzo(b)fluoranthene
Concen: 12.300 ng
RT: 15.015 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Instrument :
BNA_F
ClientSampled :
289DL

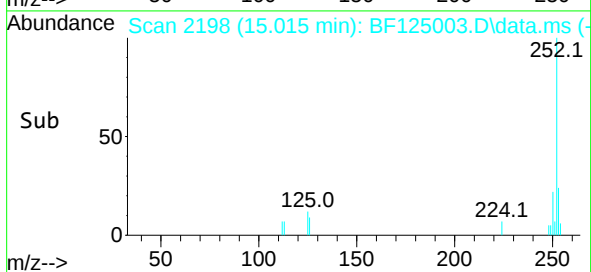
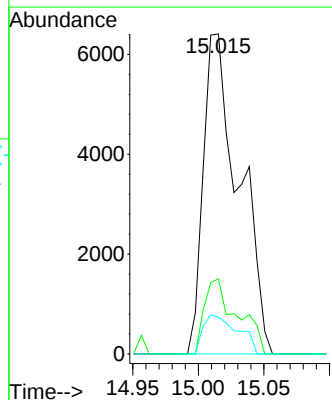
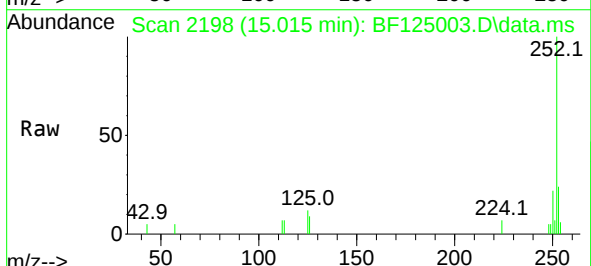


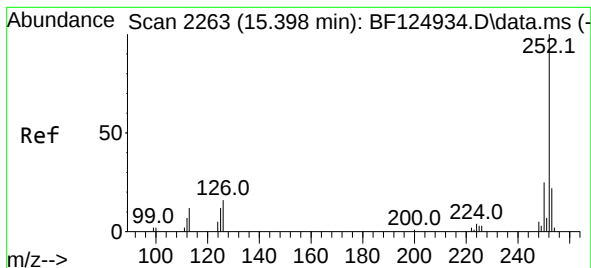
Tgt Ion:252 Resp: 12157
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 11.5 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 13.521 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:252 Resp: 12157
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.5 7.2 10.8#

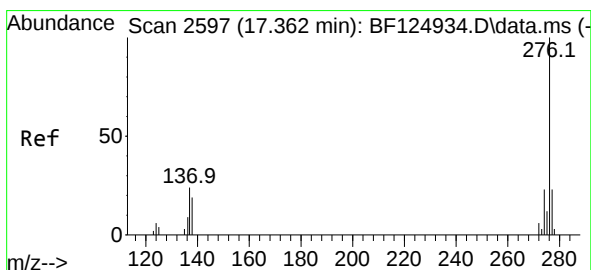
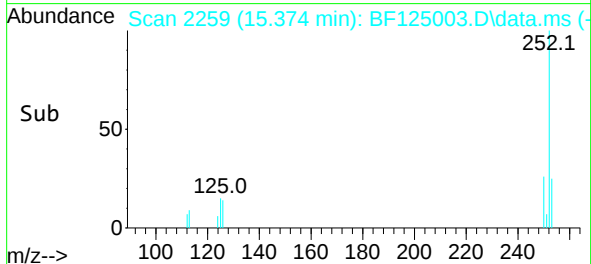
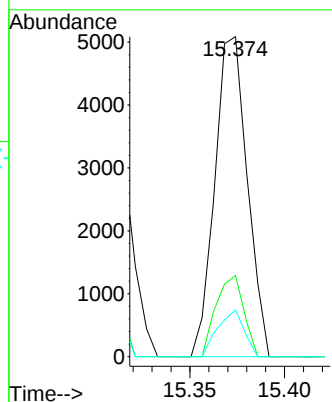
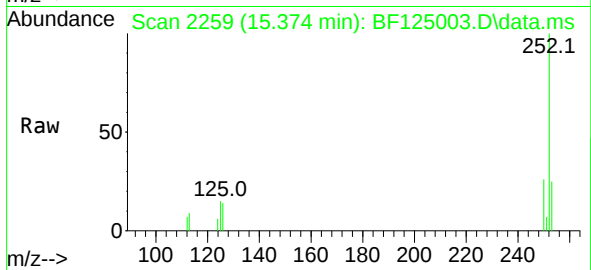




#90
Benzo(a)pyrene
Concen: 7.206 ng
RT: 15.374 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Instrument :
BNA_F
ClientSampled :
289DL

Tgt Ion:252 Resp: 6065
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 14.7 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 5.166 ng
RT: 17.315 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF125003.D
Acq: 9 Aug 2021 14:40

Tgt Ion:276 Resp: 3652
Ion Ratio Lower Upper
276 100
277 23.1 22.0 33.0
138 36.3 22.2 33.4#

