

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
 Data File : BF125967.D
 Acq On : 27 Oct 2021 17:07
 Operator : JU/CG
 Sample : M4372-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Quant Time: Oct 28 08:59:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

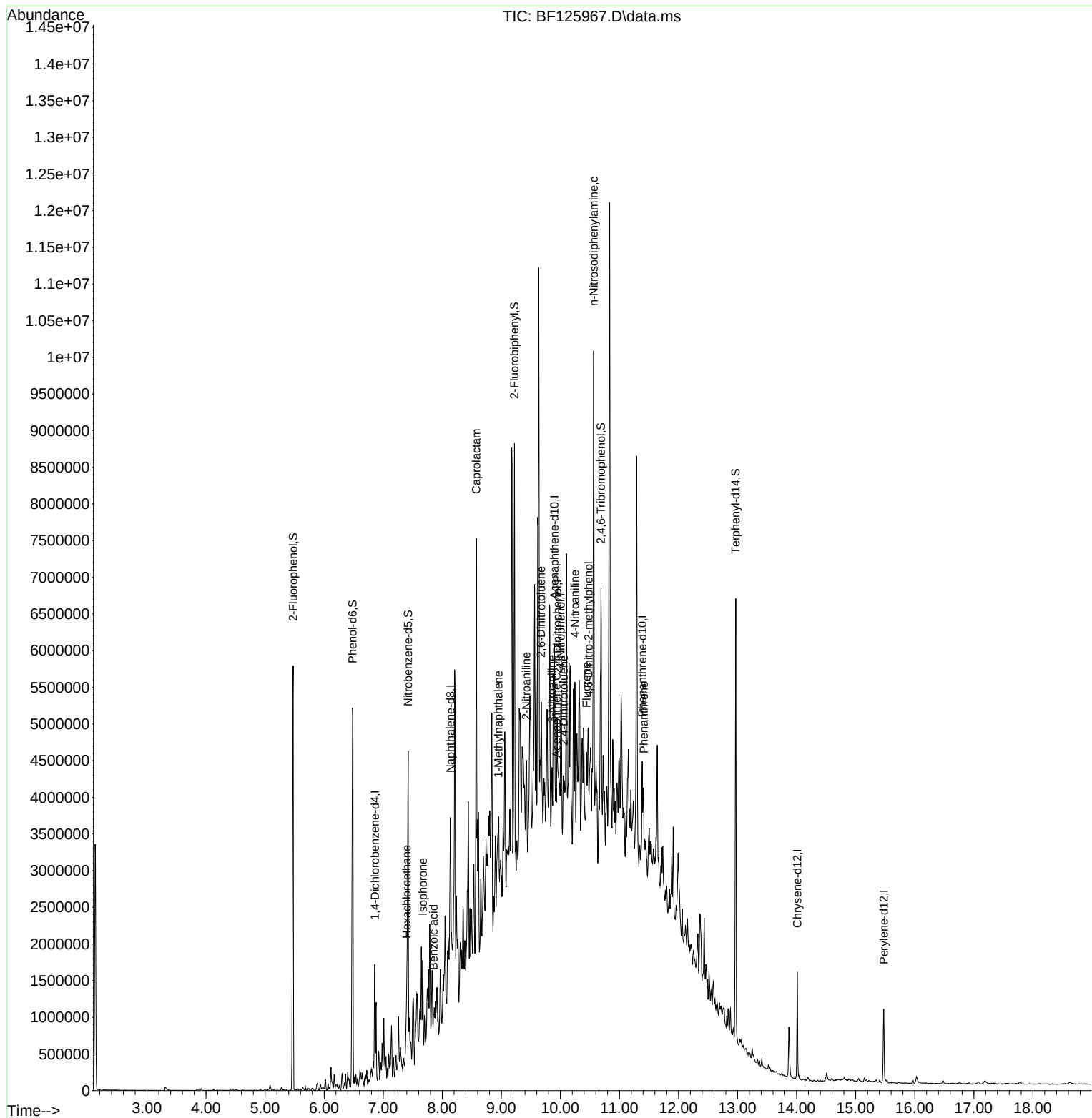
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	168922	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	622829	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	316668	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	608724	20.000	ng	0.00
76) Chrysene-d12	14.010	240	463015	20.000	ng	-0.02
86) Perylene-d12	15.474	264	424129	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1566661	138.146	ng	0.00
7) Phenol-d6	6.481	99	2027980	130.378	ng	-0.01
23) Nitrobenzene-d5	7.422	82	1322702	109.697	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	446254	161.655	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1834900	102.470	ng	-0.01
79) Terphenyl-d14	12.969	244	2160605	76.329	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	7.398	117	20242	4.221	ng	# 1
25) Isophorone	7.669	82	48583	2.116	ng	# 1
32) Benzoic acid	7.851	122	2316	4.493	ng	# 1
35) Caprolactam	8.575	113	112326	39.052	ng	# 1
38) 1-Methylnaphthalene	8.951	142	172558	8.771	ng	# 88
48) 2-Nitroaniline	9.422	65	16665	2.668	ng	# 43
51) 2,6-Dinitrotoluene	9.675	165	9599	2.481	ng	# 1
52) Acenaphthene	9.933	154	49862	2.905	ng	# 78
53) 3-Nitroaniline	9.857	138	16983	3.829	ng	# 36
54) 2,4-Dinitrophenol	9.945	184	1012	7.690	ng	# 1
56) 4-Nitrophenol	10.004	139	49805	14.450	ng	# 50
57) 2,4-Dinitrotoluene	10.057	165	15218	3.202	ng	# 59
58) Fluorene	10.445	166	102273	2.026	ng	# 87
62) 4-Nitroaniline	10.245	138	9915	2.436	ng	# 82
65) 4,6-Dinitro-2-methylph...	10.475	198	2254	6.802	ng	# 1
66) n-Nitrosodiphenylamine	10.563	169	224427	12.309	ng	# 47
71) Phenanthrene	11.410	178	283144	8.964	ng	# 88

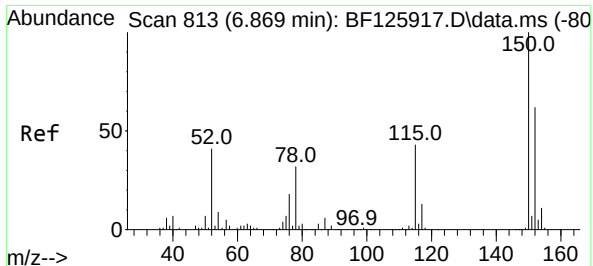
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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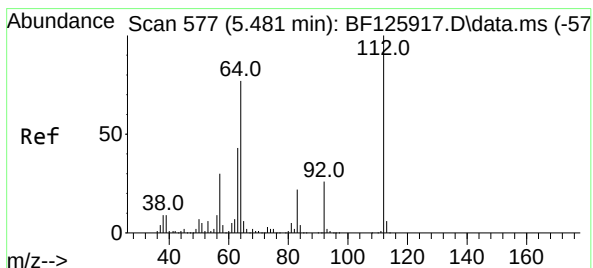
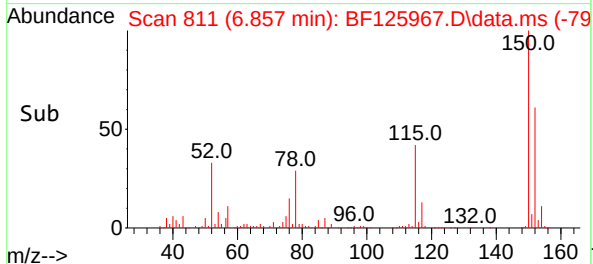
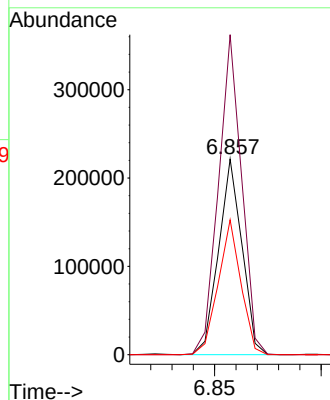
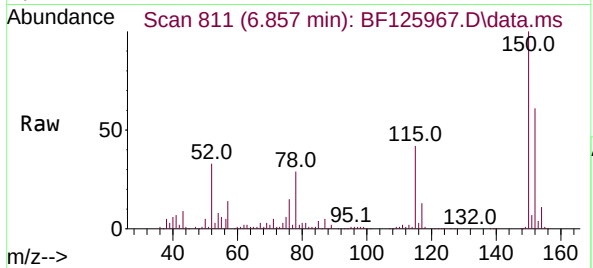




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

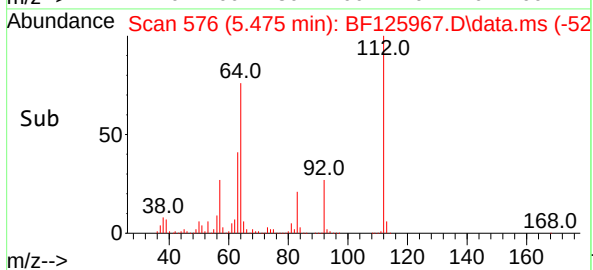
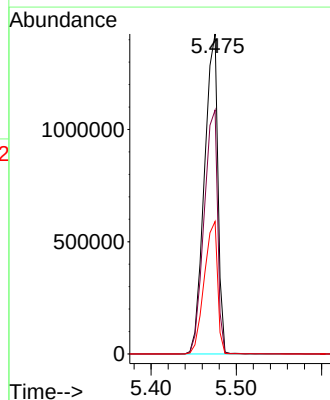
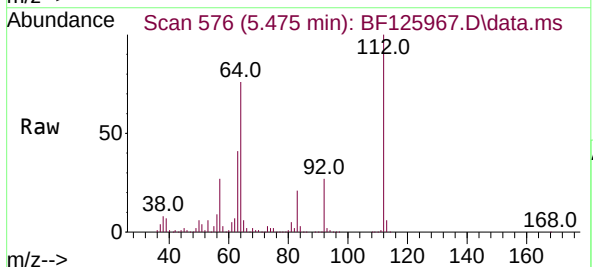
Instrument :
BNA_F
ClientSampleId :
SB-6

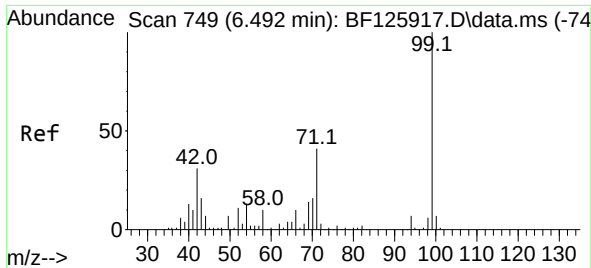
Tgt Ion:152 Resp: 168922
Ion Ratio Lower Upper
152 100
150 163.5 117.6 176.4
115 68.9 47.1 70.7



#5
2-Fluorophenol
Concen: 138.146 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:112 Resp: 1566661
Ion Ratio Lower Upper
112 100
64 76.2 44.2 66.2#
63 41.4 26.2 39.2#



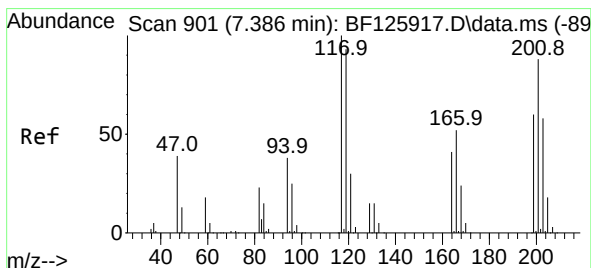
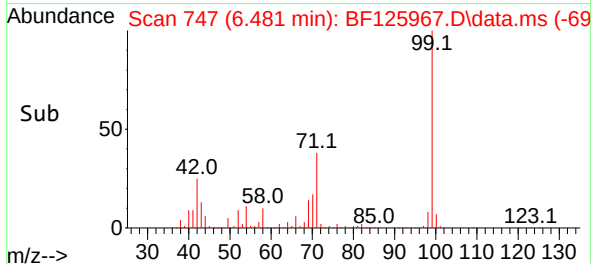
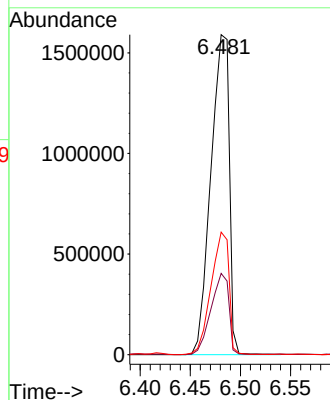
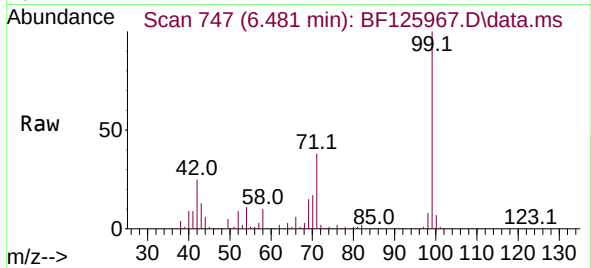


#7
Phenol-d6
Concen: 130.378 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Instrument :
BNA_F
ClientSampleId :
SB-6

Tgt Ion: 99 Resp: 2027980

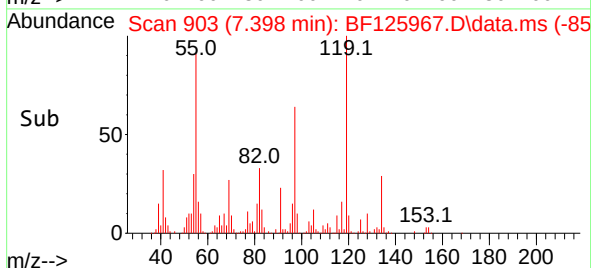
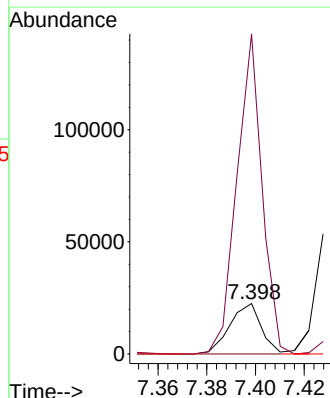
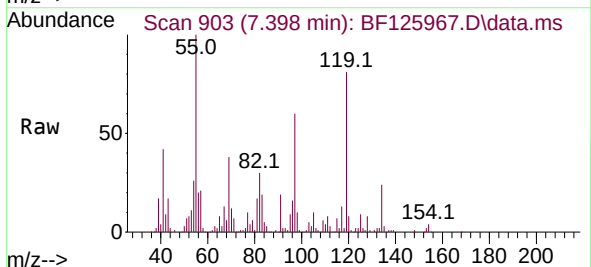
Ion	Ratio	Lower	Upper
99	100		
42	25.4	23.5	35.3
71	38.3	25.6	38.4

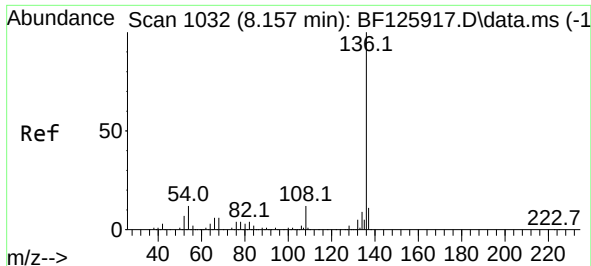


#18
Hexachloroethane
Concen: 4.221 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion: 117 Resp: 20242

Ion	Ratio	Lower	Upper
117	100		
119	635.3	73.4	110.2#
201	0.0	64.9	97.3#

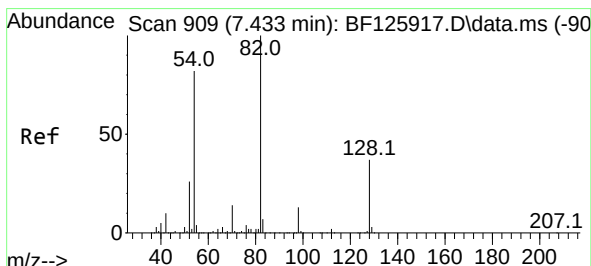
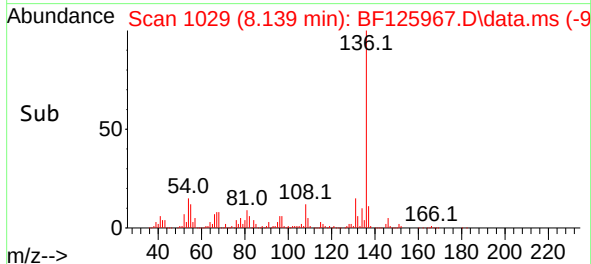
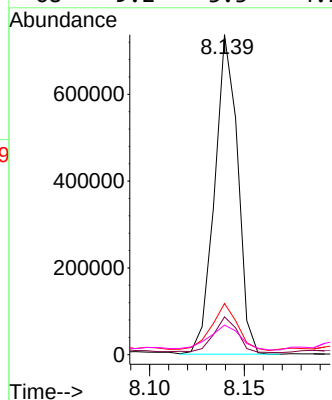
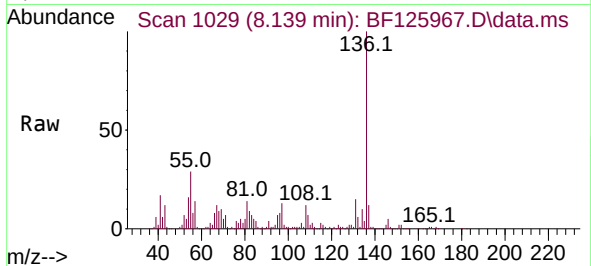




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

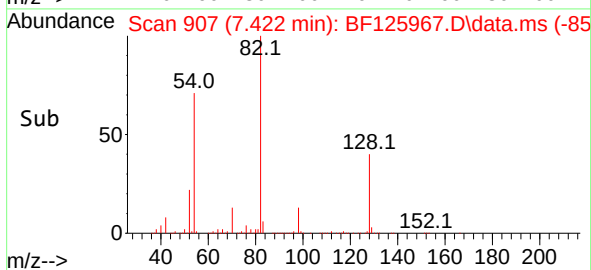
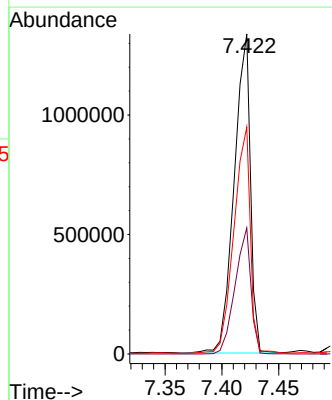
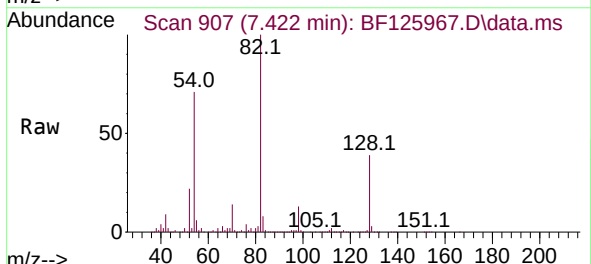
Instrument :
BNA_F
ClientSampled :
SB-6

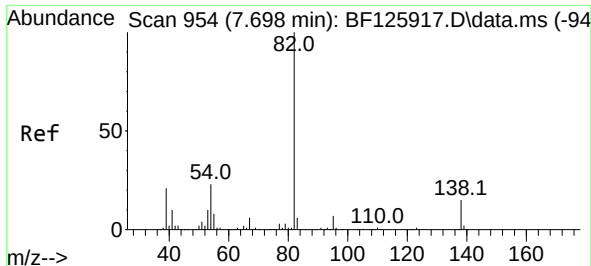
Tgt Ion:136	Resp: 622829
Ion Ratio	Lower Upper
136	100
137	11.8 9.8 14.6
54	16.0 6.4 9.6#
68	9.2 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 109.697 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion: 82	Resp: 1322702
Ion Ratio	Lower Upper
82	100
128	39.4 40.6 60.8#
54	70.9 49.6 74.4

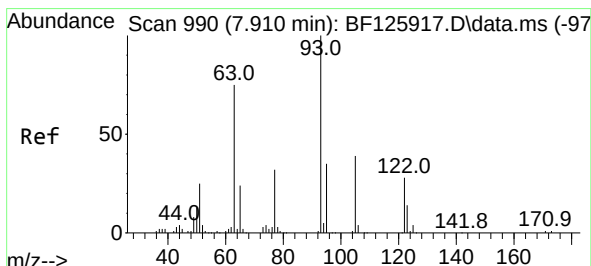
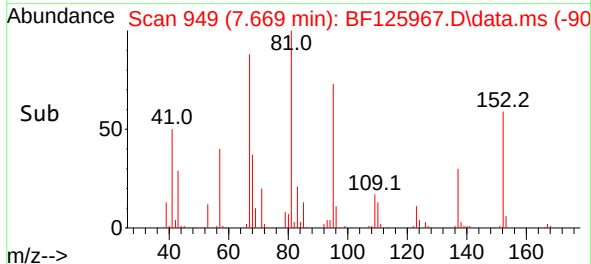
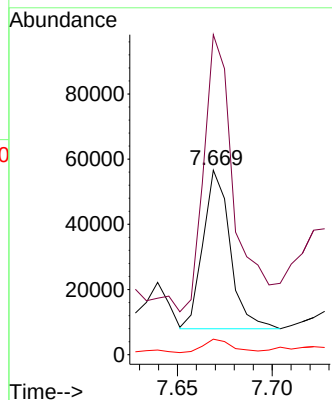
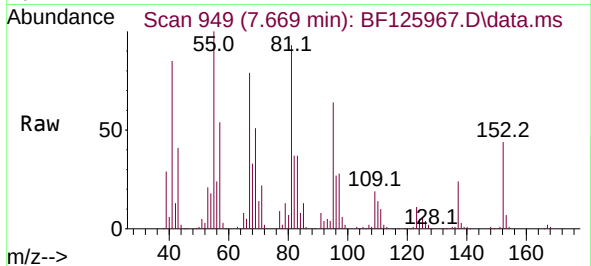




#25
Isophorone
Concen: 2.116 ng
RT: 7.669 min Scan# 949
Delta R.T. -0.029 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

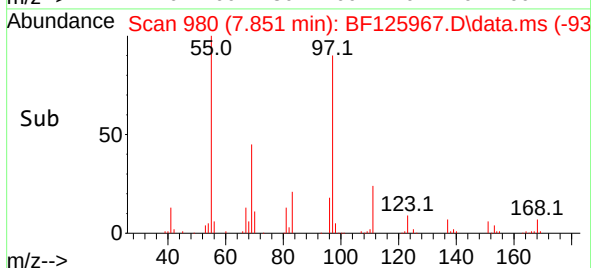
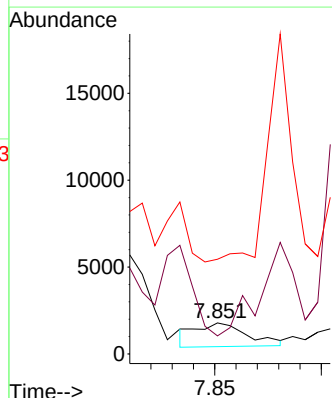
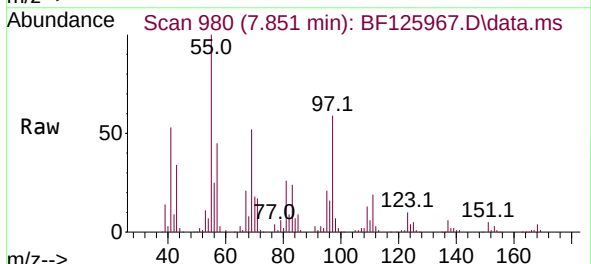
Instrument :
BNA_F
ClientSampleId :
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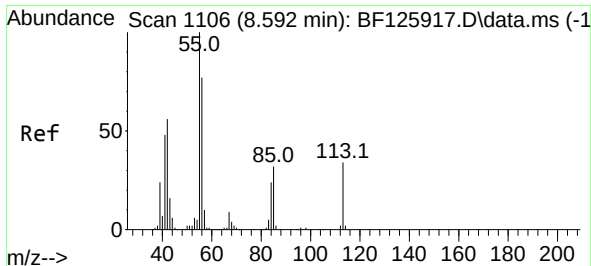
Tgt Ion: 82 Resp: 48583
Ion Ratio Lower Upper
82 100
95 173.5 6.5 9.7#
138 8.5 18.4 27.6#



#32
Benzoic acid
Concen: 4.493 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.059 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:122 Resp: 2316
Ion Ratio Lower Upper
122 100
105 58.1 97.6 137.6#
77 304.5 59.6 99.6#

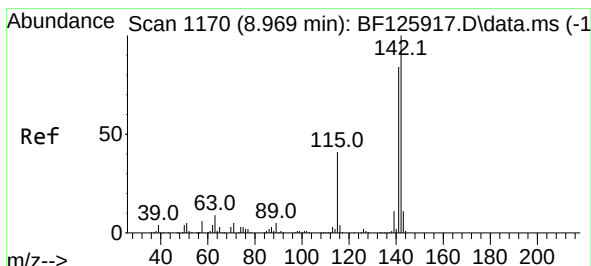
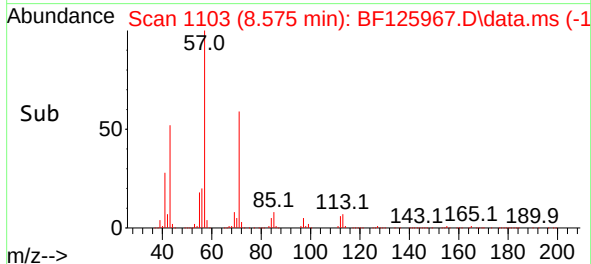
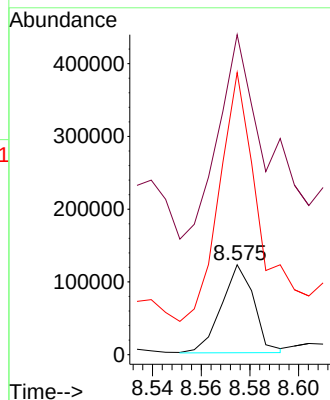
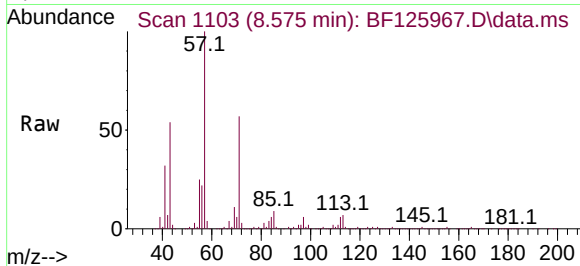




#35
 Caprolactam
 Concen: 39.052 ng
 RT: 8.575 min Scan# 1103
 Delta R.T. -0.017 min
 Lab File: BF125967.D
 Acq: 27 Oct 2021 17:07

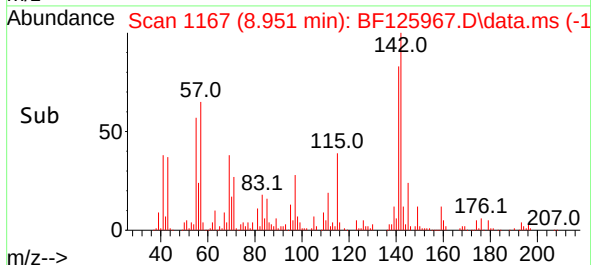
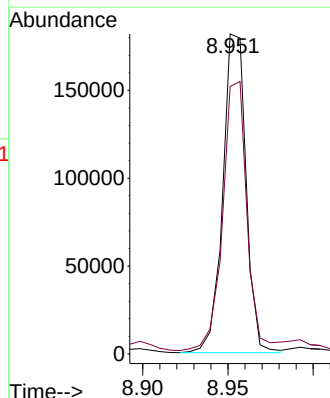
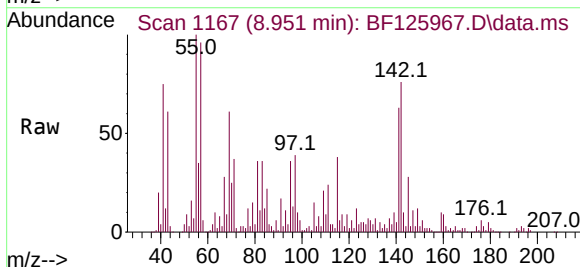
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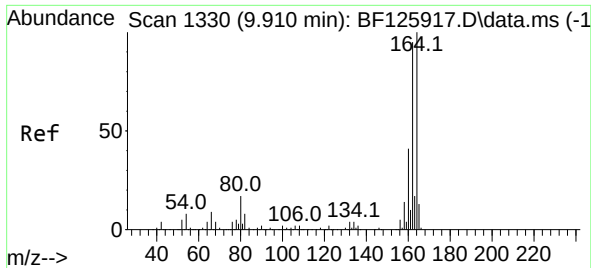
Tgt Ion:113 Resp: 112326
 Ion Ratio Lower Upper
 113 100
 55 356.1 154.1 194.1#
 56 313.9 108.7 148.7#



#38
 1-Methylnaphthalene
 Concen: 8.771 ng
 RT: 8.951 min Scan# 1167
 Delta R.T. -0.017 min
 Lab File: BF125967.D
 Acq: 27 Oct 2021 17:07

Tgt Ion:142 Resp: 172558
 Ion Ratio Lower Upper
 142 100
 141 83.6 76.0 114.0

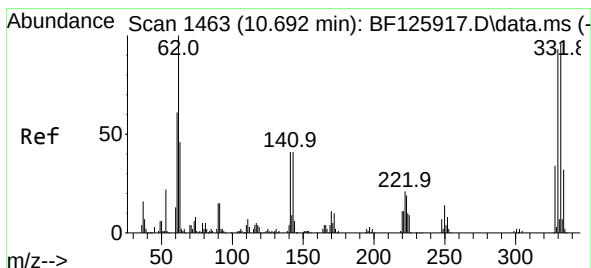
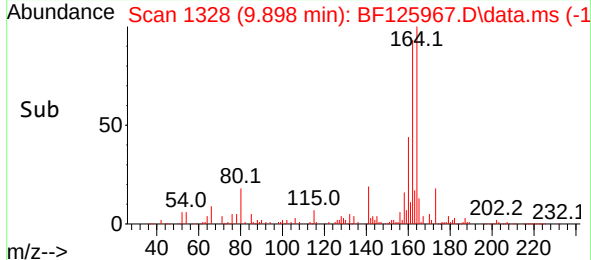
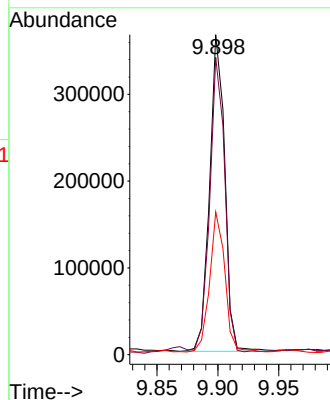
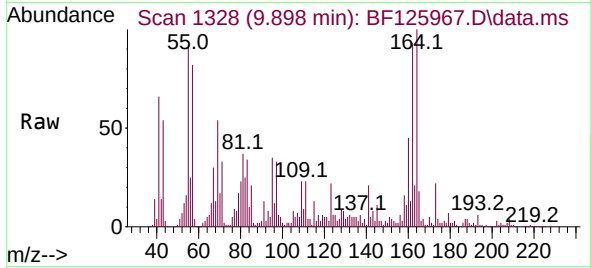




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

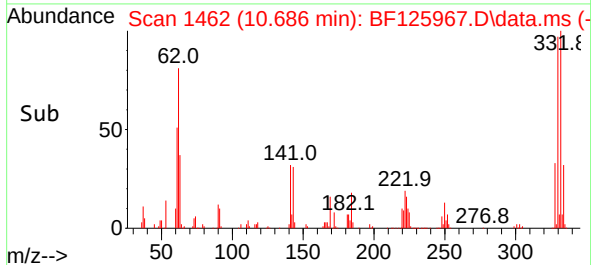
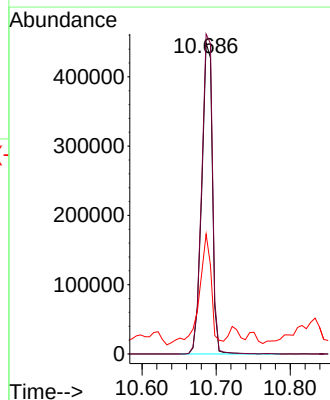
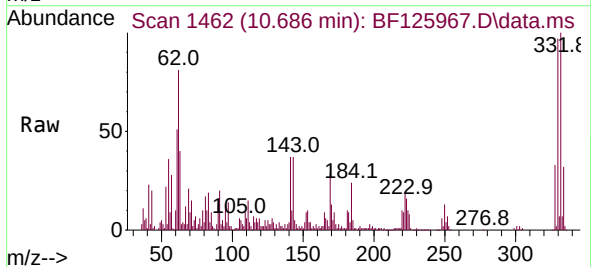
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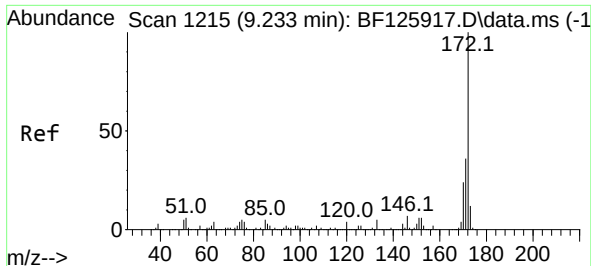
Tgt Ion:164 Resp: 316668
Ion Ratio Lower Upper
164 100
162 92.9 81.3 121.9
160 44.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 161.655 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:330 Resp: 446254
Ion Ratio Lower Upper
330 100
332 104.7 76.2 114.4
141 40.6 44.6 66.8#

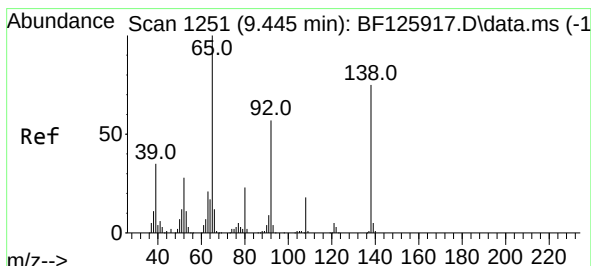
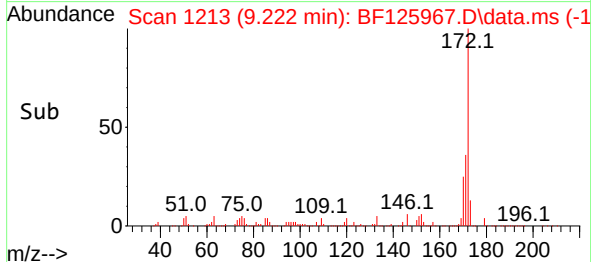
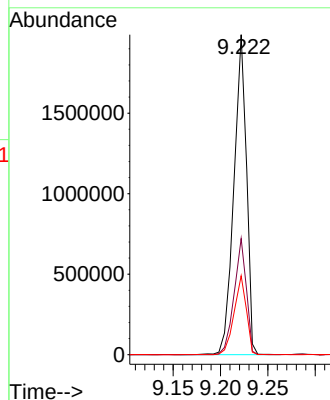
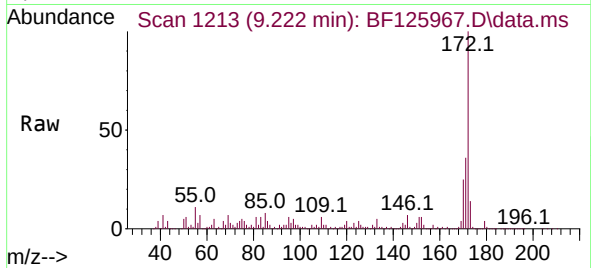




#45
2-Fluorobiphenyl
Concen: 102.470 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

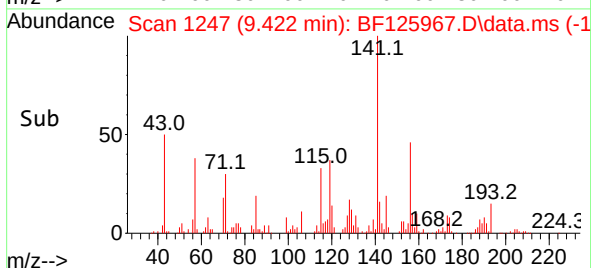
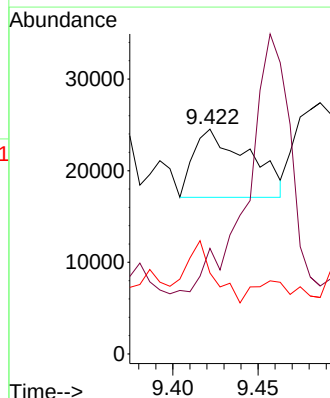
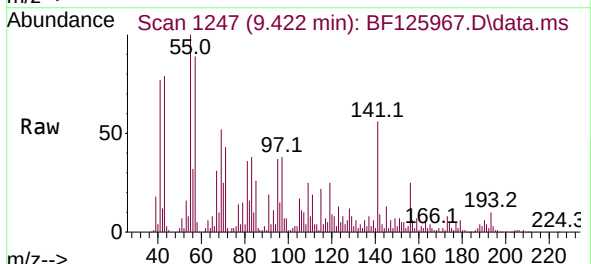
Instrument :
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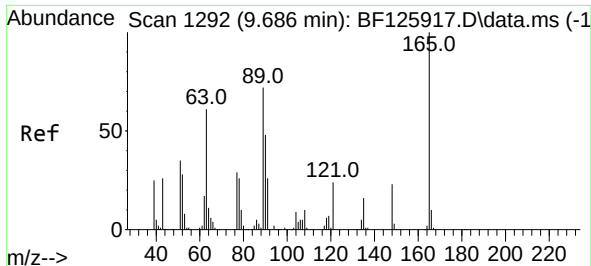
Tgt Ion:172 Resp: 1834900
Ion Ratio Lower Upper
172 100
171 36.3 26.5 39.7
170 24.6 18.8 28.2



#48
2-Nitroaniline
Concen: 2.668 ng
RT: 9.422 min Scan# 1247
Delta R.T. -0.023 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion: 65 Resp: 16665
Ion Ratio Lower Upper
65 100
92 47.0 55.5 83.3#
138 36.0 93.5 140.3#

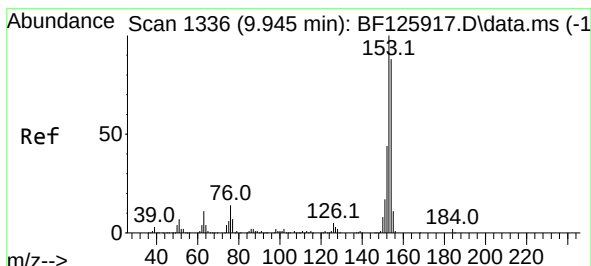
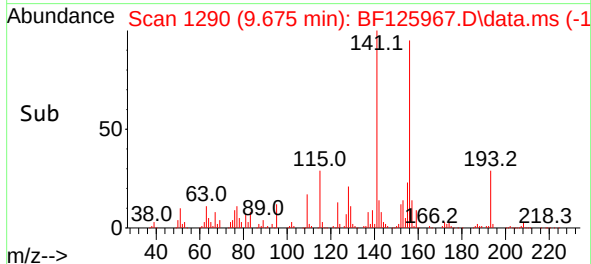
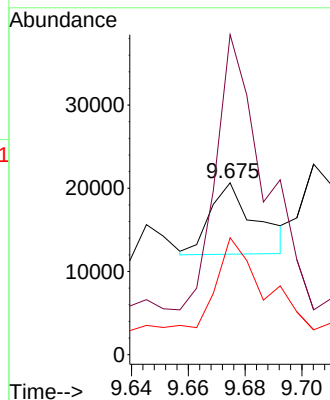
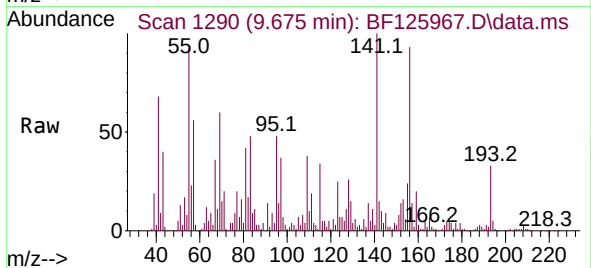




#51
2,6-Dinitrotoluene
Concen: 2.481 ng
RT: 9.675 min Scan# 1290
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

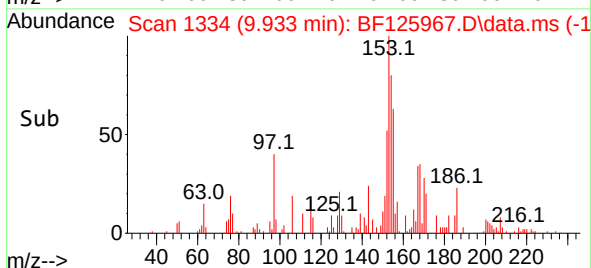
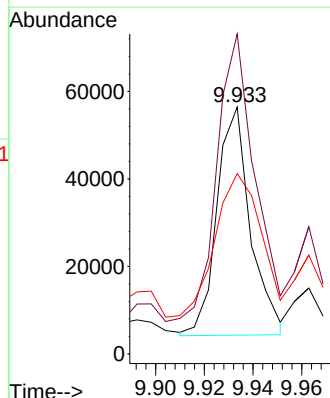
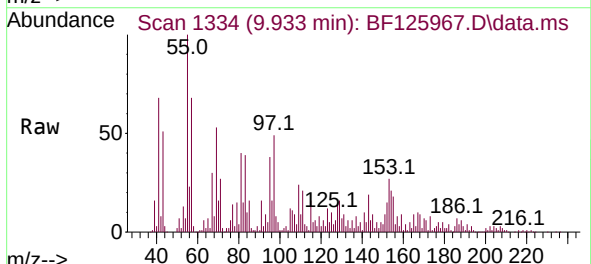
Instrument :
BNA_F
ClientSampleId :
SB-6

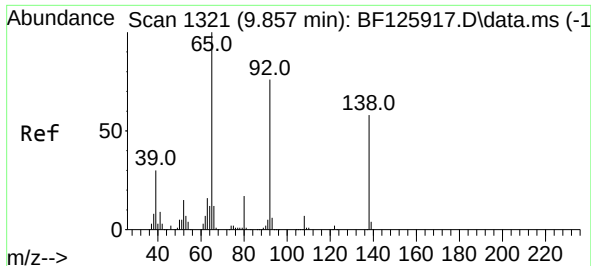
Tgt Ion:165 Resp: 9599
Ion Ratio Lower Upper
165 100
63 186.2 42.6 63.8#
89 68.0 40.6 60.8#



#52
Acenaphthene
Concen: 2.905 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:154 Resp: 49862
Ion Ratio Lower Upper
154 100
153 129.6 89.4 134.2
152 73.0 40.5 60.7#

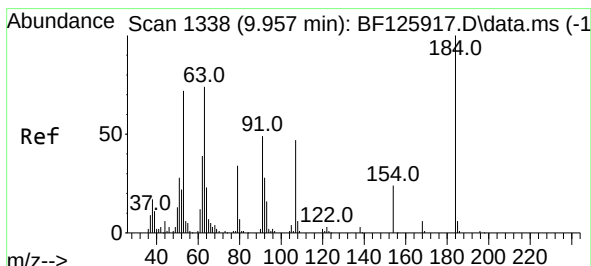
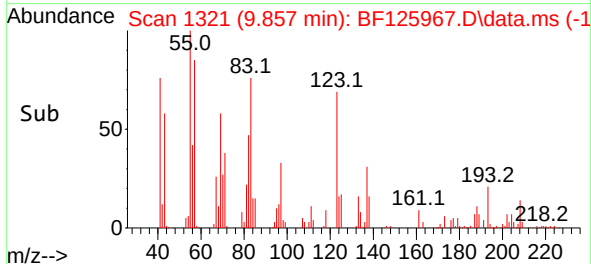
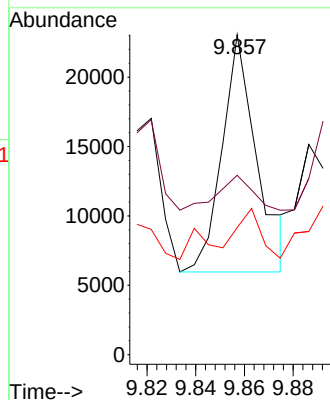
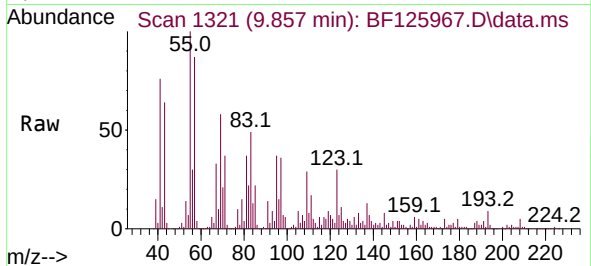




#53
3-Nitroaniline
Concen: 3.829 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

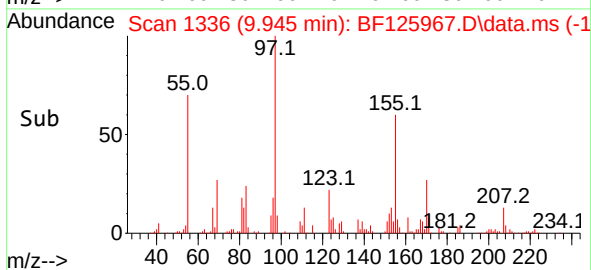
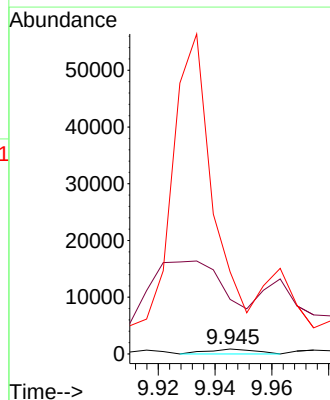
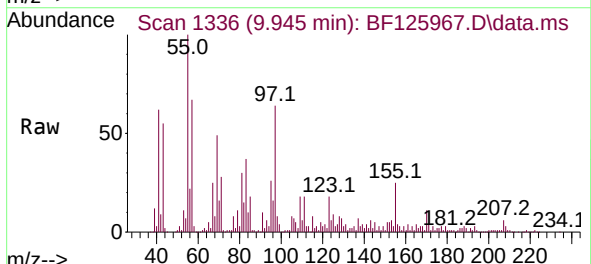
Instrument :
BNA_F
ClientSampleId :
SB-6

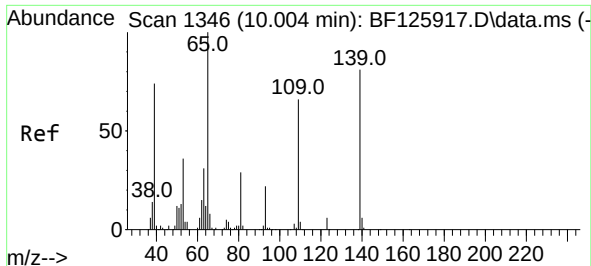
Tgt Ion:138 Resp: 16983
Ion Ratio Lower Upper
138 100
108 56.0 9.3 13.9#
92 39.7 76.5 114.7#



#54
2,4-Dinitrophenol
Concen: 7.690 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:184 Resp: 1012
Ion Ratio Lower Upper
184 100
63 1109.8 59.3 88.9#
154 1666.0 68.6 102.8#

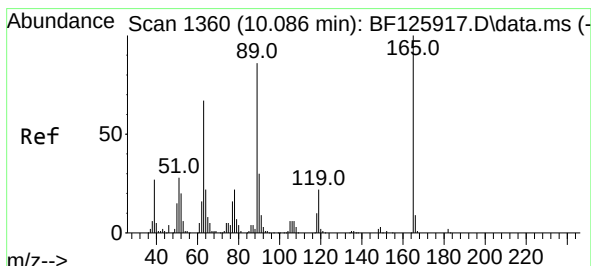
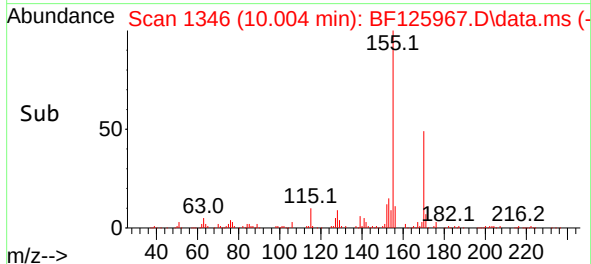
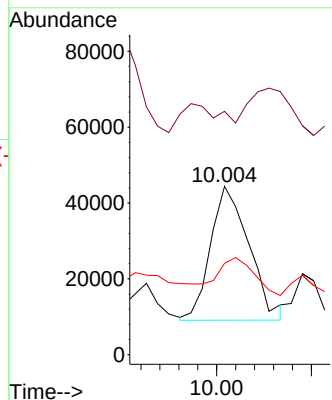
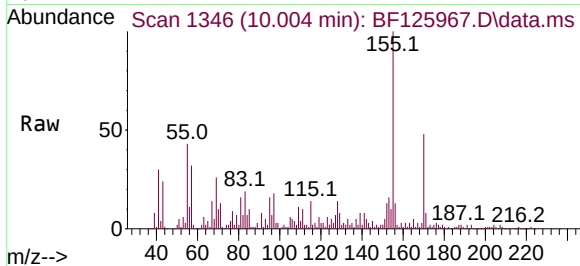




#56
4-Nitrophenol
Concen: 14.450 ng
RT: 10.004 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

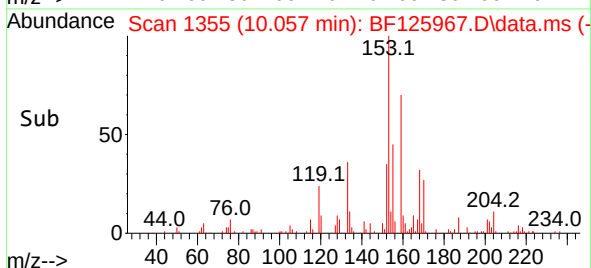
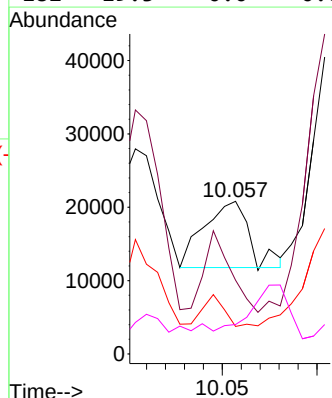
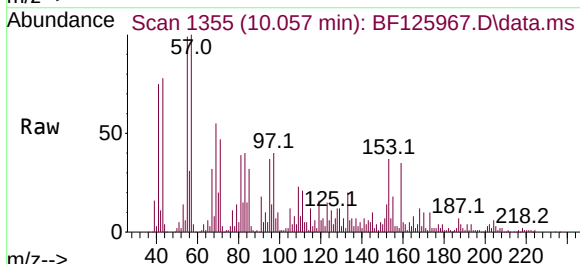
Instrument :
BNA_F
ClientSampleId :
SB-6

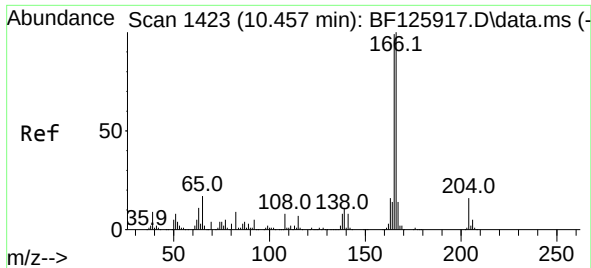
Tgt Ion:139 Resp: 49805
Ion Ratio Lower Upper
139 100
109 144.6 60.4 100.4#
65 54.3 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 3.202 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.029 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:165 Resp: 15218
Ion Ratio Lower Upper
165 100
63 48.3 40.9 61.3
89 18.0 59.7 89.5#
182 19.3 0.0 0.0#

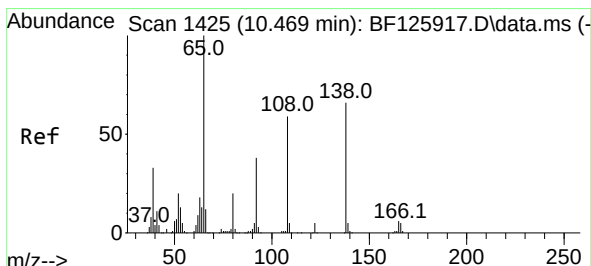
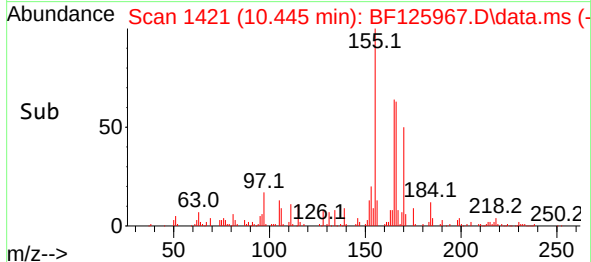
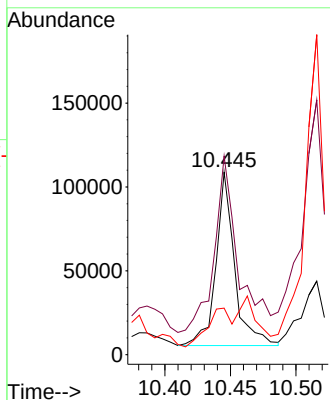
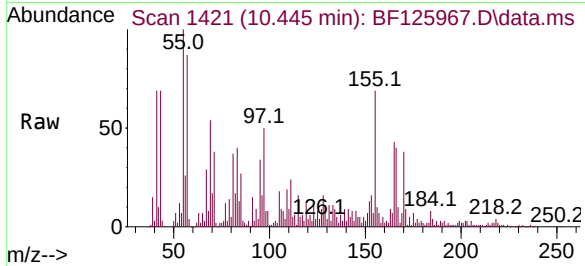




#58
Fluorene
Concen: 2.026 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

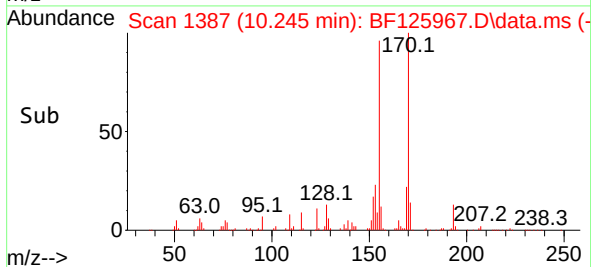
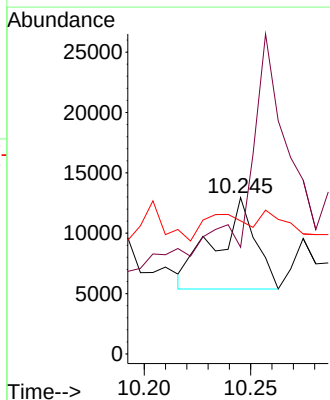
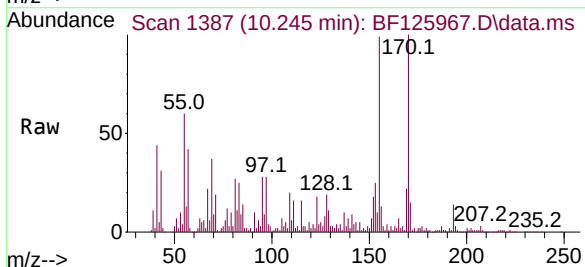
Instrument :
BNA_F
ClientSampled :
SB-6

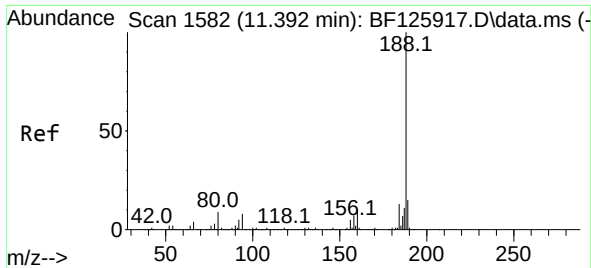
Tgt Ion:166 Resp: 102273
Ion Ratio Lower Upper
166 100
165 108.8 78.1 117.1
167 25.5 11.1 16.7#



#62
4-Nitroaniline
Concen: 2.436 ng
RT: 10.245 min Scan# 1387
Delta R.T. -0.223 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:138 Resp: 9915
Ion Ratio Lower Upper
138 100
92 68.3 29.6 69.6
108 85.2 78.1 118.1

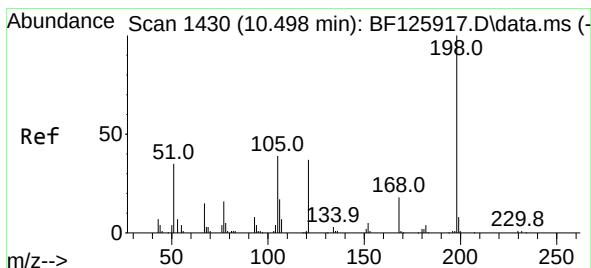
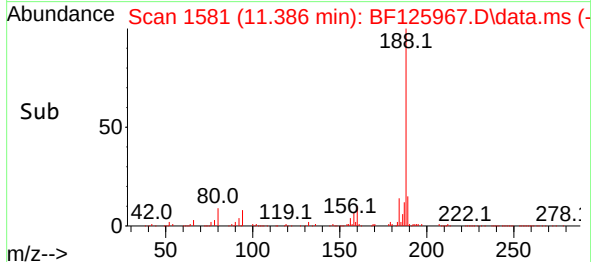
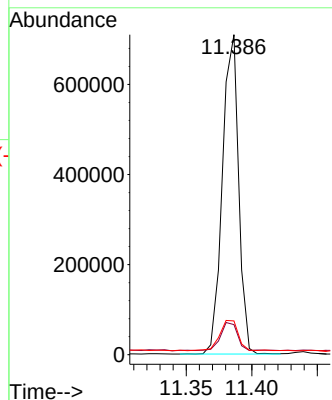
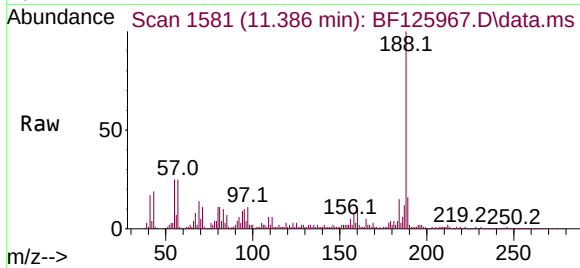




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

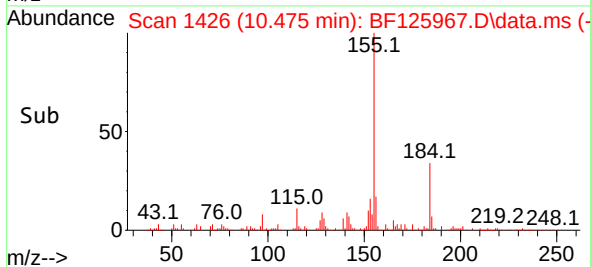
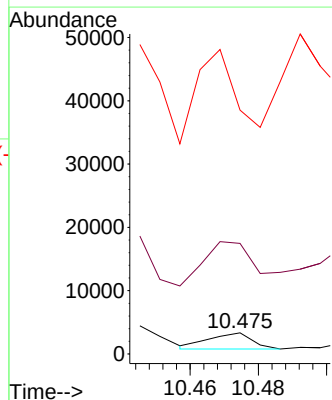
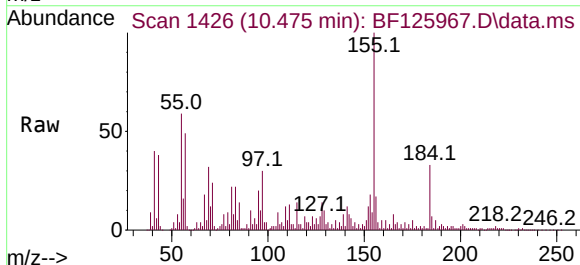
Instrument :
BNA_F
ClientSampleId :
SB-6

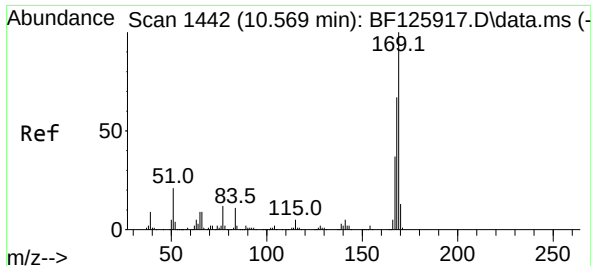
Tgt Ion:188	Resp:	608724
Ion Ratio	Lower	Upper
188	100	
94	9.4	6.7 10.1
80	10.5	7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 6.802 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.023 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:198	Resp:	2254
Ion Ratio	Lower	Upper
198	100	
51	525.3	45.3 85.3#
105	1158.4	30.6 70.6#

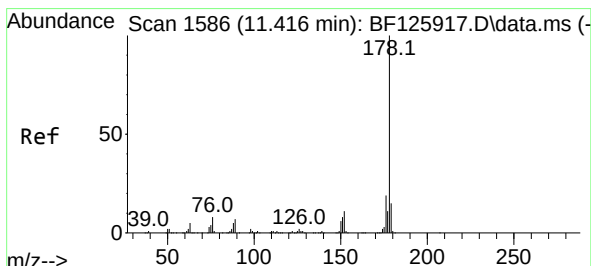
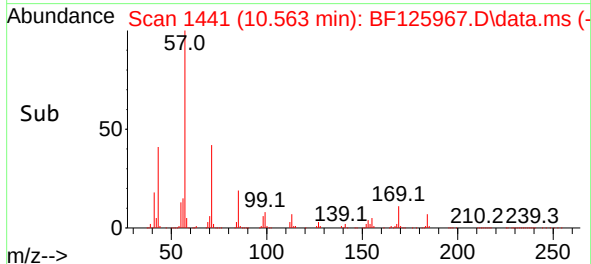
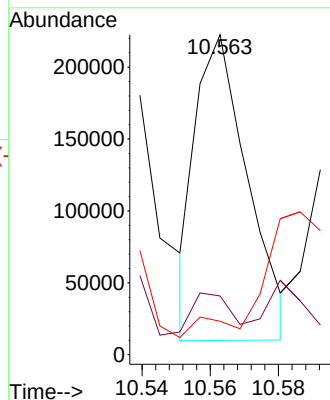
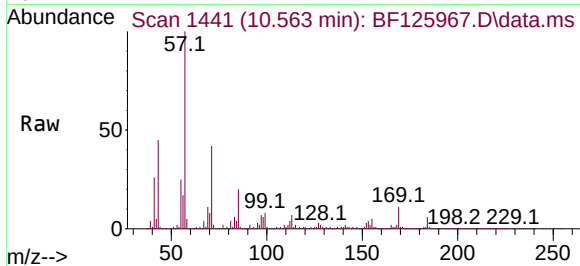




#66
n-Nitrosodiphenylamine
Concen: 12.309 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

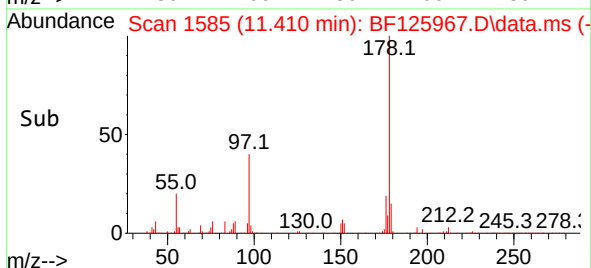
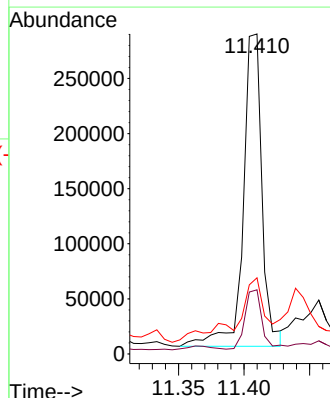
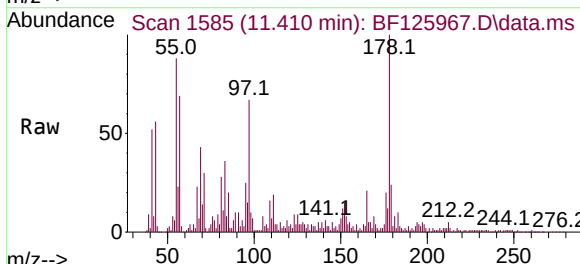
Instrument :
BNA_F
ClientSampleId :
SB-6

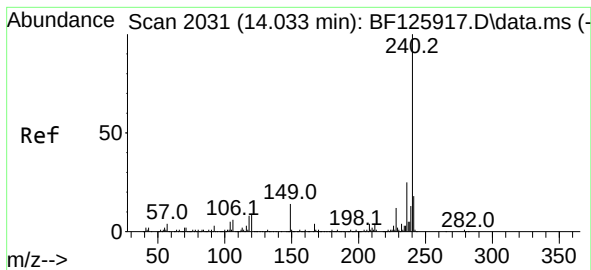
Tgt Ion:169 Resp: 224427
Ion Ratio Lower Upper
169 100
168 18.3 50.8 76.2#
167 10.4 28.8 43.2#



#71
Phenanthrene
Concen: 8.964 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:178 Resp: 283144
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 23.8 11.5 17.3#

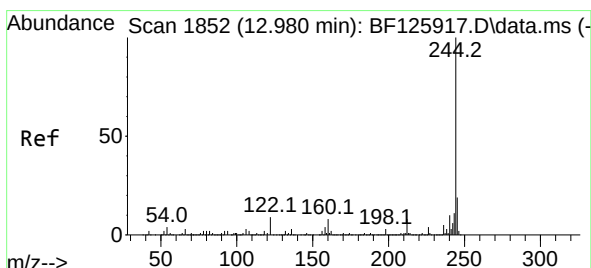
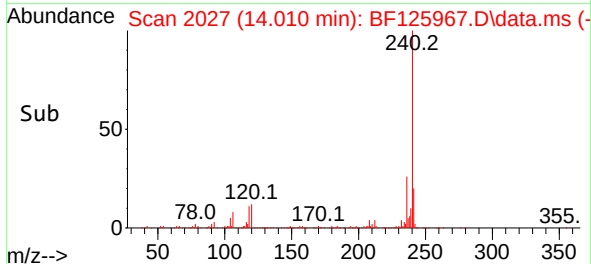
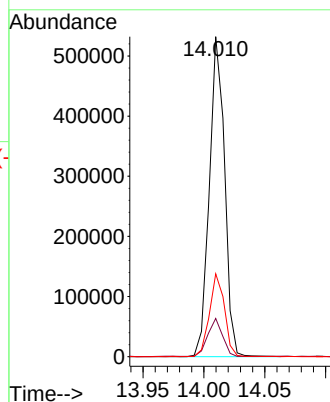
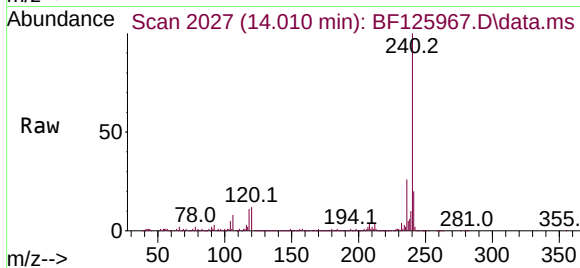




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.023 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

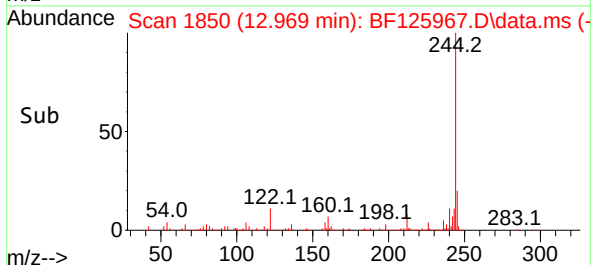
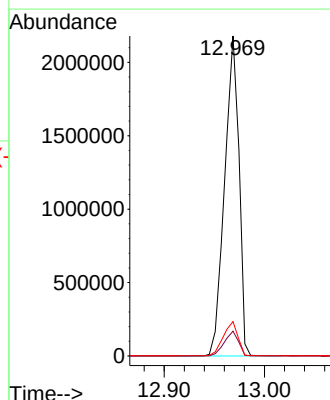
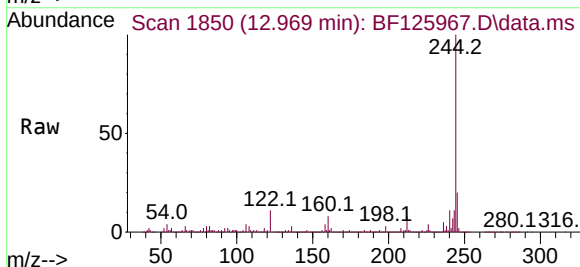
Instrument :
BNA_F
ClientSampleId :
SB-6

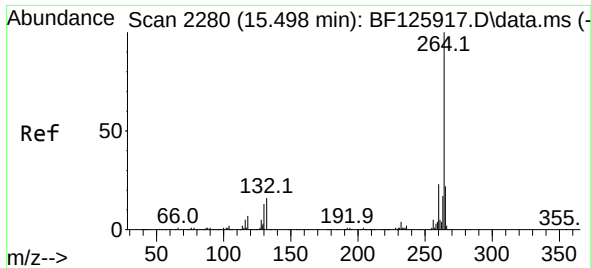
Tgt Ion:240	Resp: 463015
Ion Ratio	Lower Upper
240 100	
120 12.0	10.8 16.2
236 25.9	21.6 32.4



#79
Terphenyl-d14
Concen: 76.329 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF125967.D
Acq: 27 Oct 2021 17:07

Tgt Ion:244	Resp: 2160605
Ion Ratio	Lower Upper
244 100	
212 7.8	5.9 8.9
122 10.7	9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. -0.023 min
 Lab File: BF125967.D
 Acq: 27 Oct 2021 17:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Tgt Ion:264	Resp:	424129
Ion Ratio	Lower	Upper
264	100	
260	24.2	19.6 29.4
265	21.6	17.2 25.8

