

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102621\
 Data File : BF125949.D
 Acq On : 26 Oct 2021 23:19
 Operator : JU/CG
 Sample : M4336-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2

Quant Time: Oct 27 09:04:51 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)

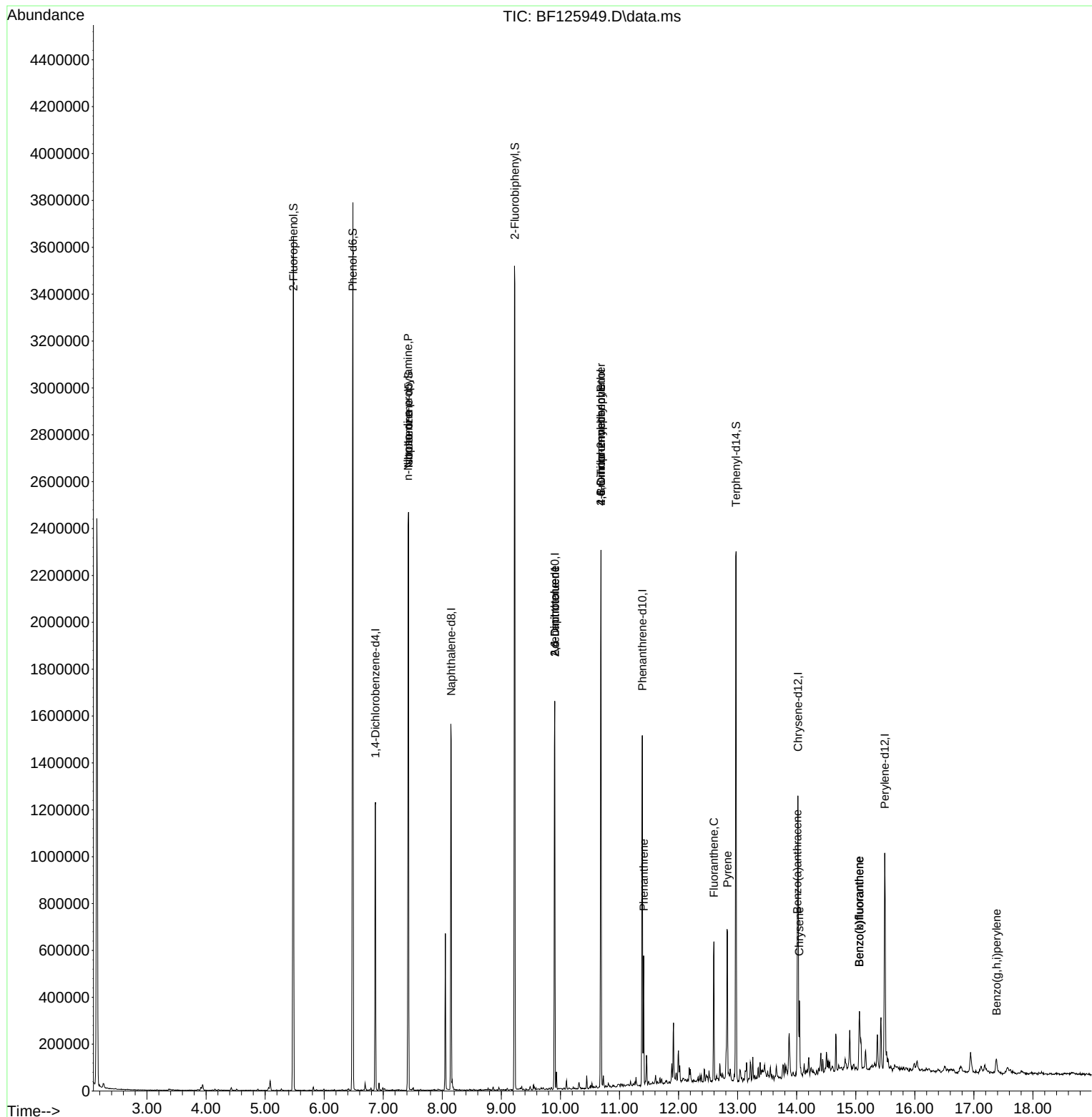
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	165680	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	648172	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	338080	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	512460	20.000	ng	0.00
76) Chrysene-d12	14.021	240	335069	20.000	ng	#-0.01
86) Perylene-d12	15.492	264	390394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	899105	80.833	ng	0.00
7) Phenol-d6	6.486	99	1132806	74.253	ng	0.00
23) Nitrobenzene-d5	7.428	82	737468	58.770	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	216455	73.445	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1075075	56.235	ng	0.00
79) Terphenyl-d14	12.974	244	759177	37.061	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	99629	11.430	ng	# 67
25) Isophorone	7.428	82	733903	30.711	ng	# 59
51) 2,6-Dinitrotoluene	9.904	165	42797	10.361	ng	# 28
57) 2,4-Dinitrotoluene	9.904	165	42797	8.435	ng	# 20
58) Fluorene	10.445	166	11806	Below Cal		98
65) 4,6-Dinitro-2-methylph...	10.686	198	531	6.271	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	14631	2.673	ng	# 1
71) Phenanthrene	11.410	178	185687	6.983	ng	100
75) Fluoranthene	12.598	202	230185	8.587	ng	98
78) Pyrene	12.827	202	272276	8.732	ng	97
81) Benzo(a)anthracene	14.009	228	132577	5.879	ng	100
83) Chrysene	14.045	228	118050	5.174	ng	97
88) Benzo(b)fluoranthene	15.062	252	182050	7.065	ng	98
89) Benzo(k)fluoranthene	15.062	252	182050	7.355	ng	# 97
92) Benzo(g,h,i)perylene	17.386	276	48415	2.034	ng	# 90

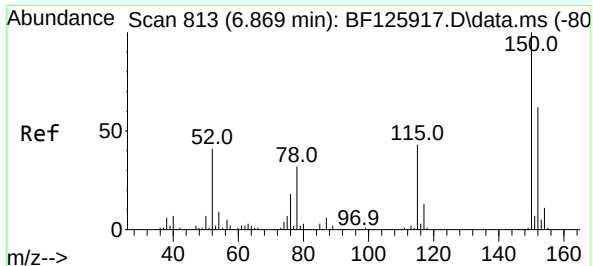
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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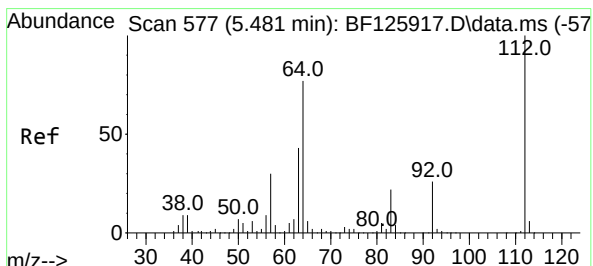
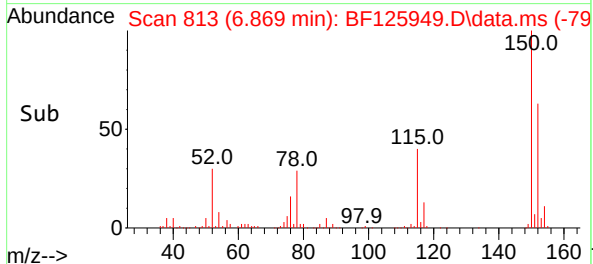
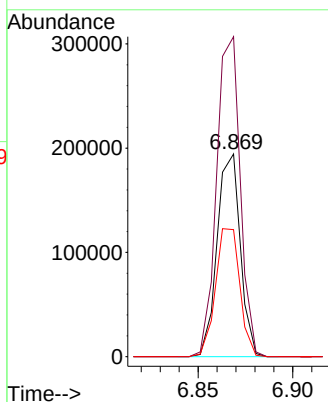
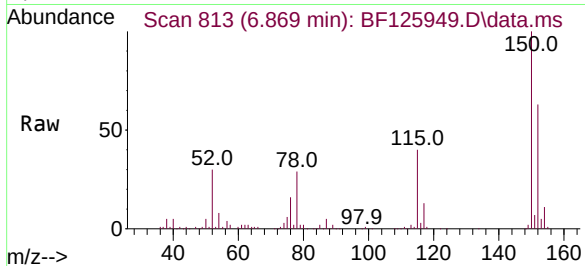




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

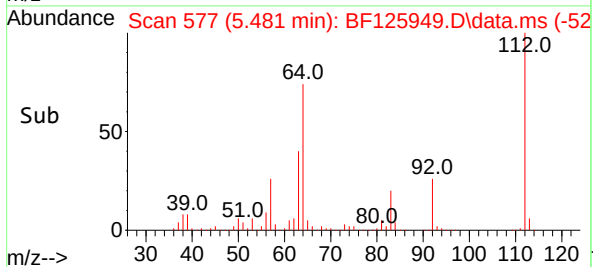
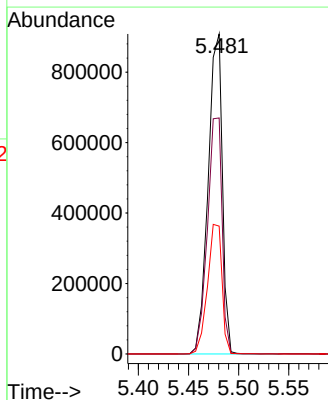
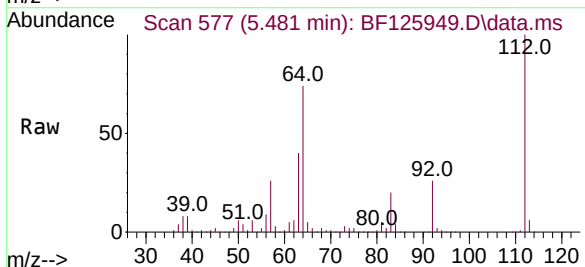
Instrument :
BNA_F
ClientSampleId :
C2

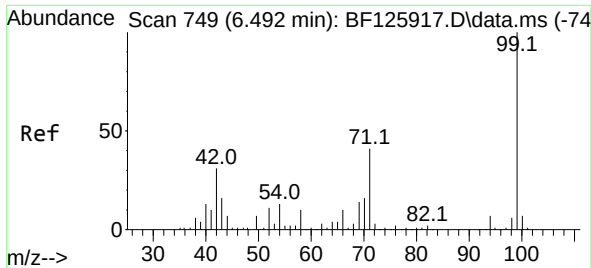
Tgt Ion:152 Resp: 165680
Ion Ratio Lower Upper
152 100
150 157.9 117.6 176.4
115 62.7 47.1 70.7



#5
2-Fluorophenol
Concen: 80.833 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Tgt Ion:112 Resp: 899105
Ion Ratio Lower Upper
112 100
64 73.7 44.2 66.2#
63 39.9 26.2 39.2#

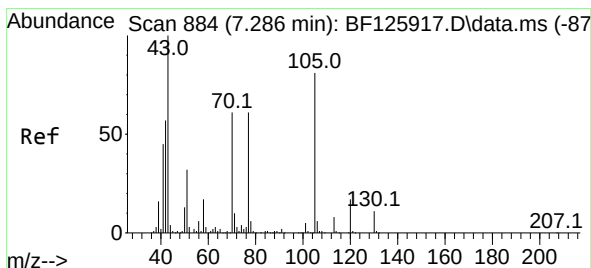
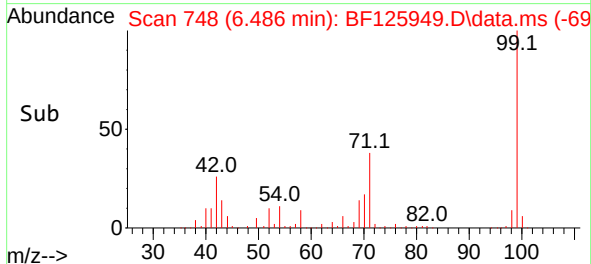
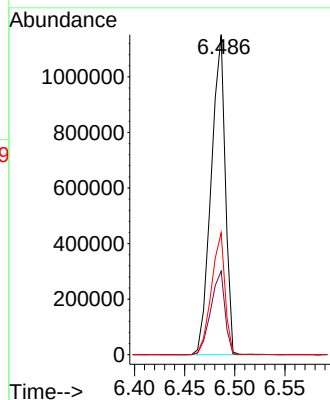
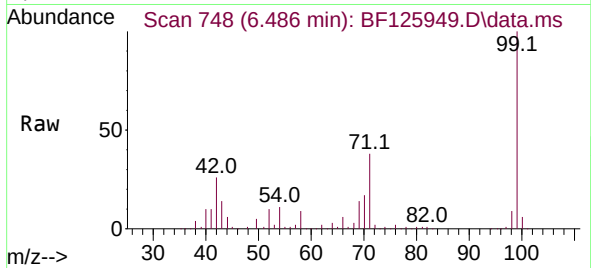




#7
Phenol-d6
Concen: 74.253 ng
RT: 6.486 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

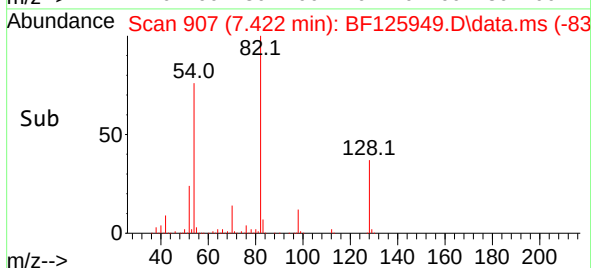
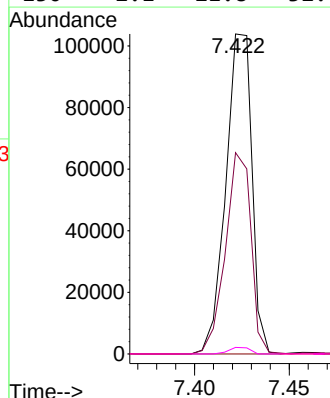
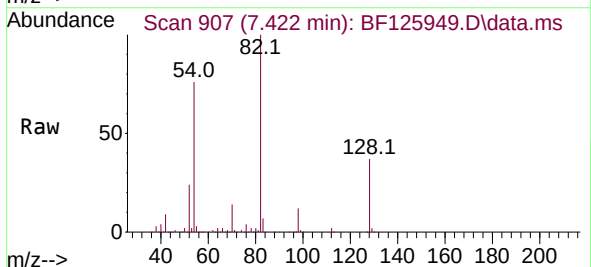
Instrument :
BNA_F
ClientSampleId :
C2

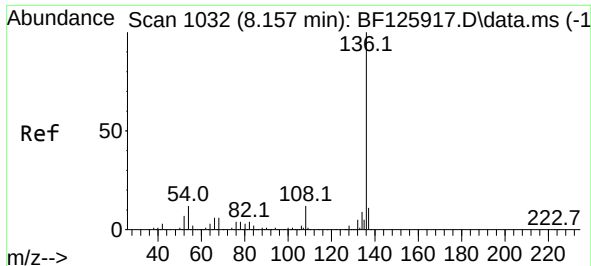
Tgt Ion: 99 Resp: 1132806
Ion Ratio Lower Upper
99 100
42 26.1 23.5 35.3
71 38.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.430 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

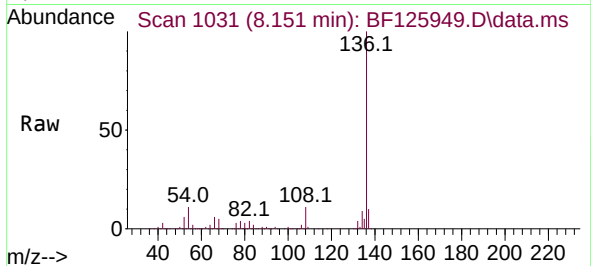
Tgt Ion: 70 Resp: 99629
Ion Ratio Lower Upper
70 100
42 62.9 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#



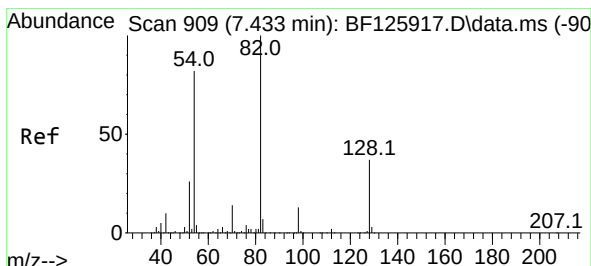
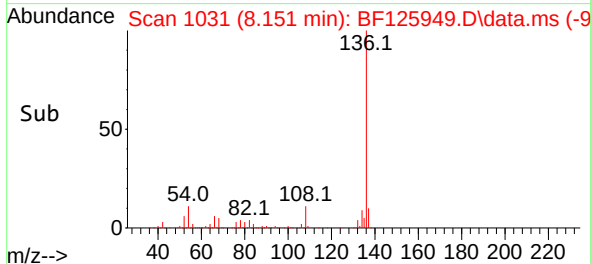
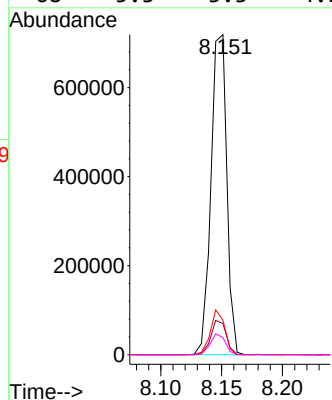


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Instrument :
BNA_F
ClientSampleId :
C2

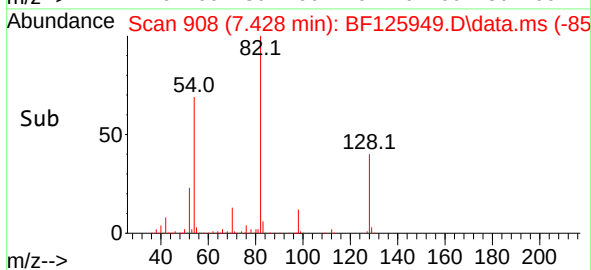
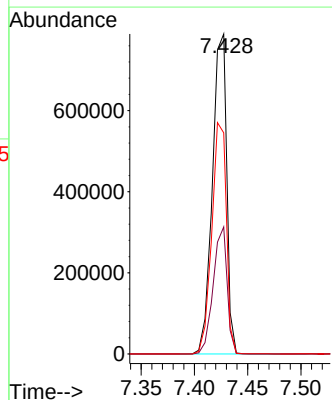
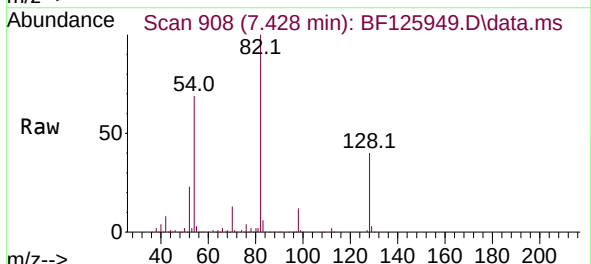


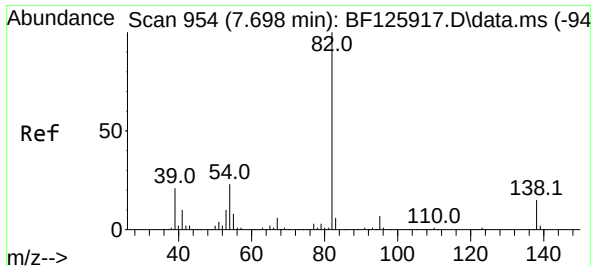
Tgt Ion:136 Resp: 648172
Ion Ratio Lower Upper
136 100
137 9.8 9.8 14.6#
54 10.7 6.4 9.6#
68 5.3 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 58.770 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Tgt Ion: 82 Resp: 737468
Ion Ratio Lower Upper
82 100
128 39.7 40.6 60.8#
54 69.1 49.6 74.4

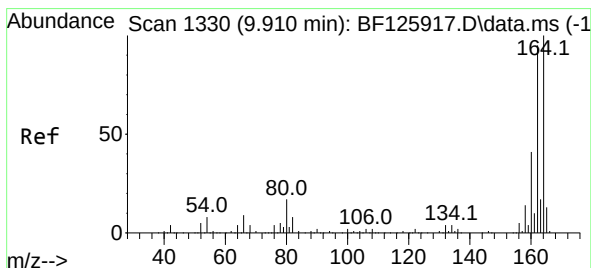
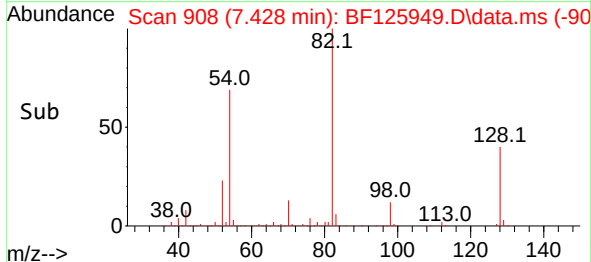
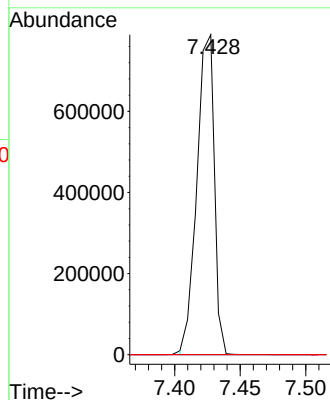
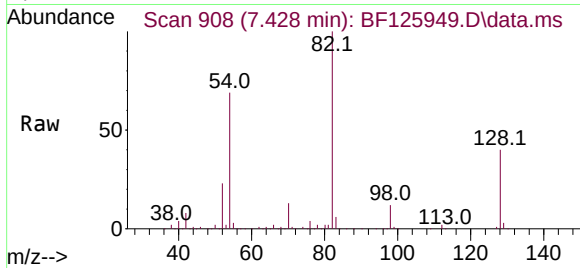




#25
Isophorone
Concen: 30.711 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.271 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

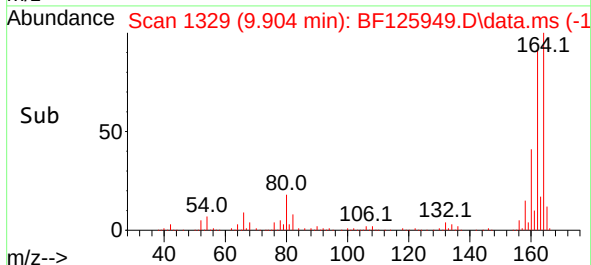
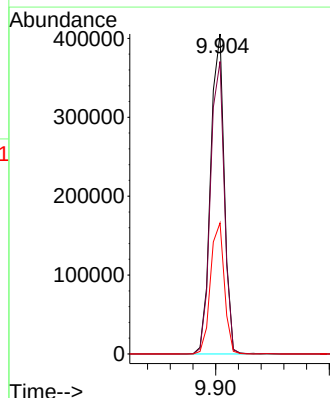
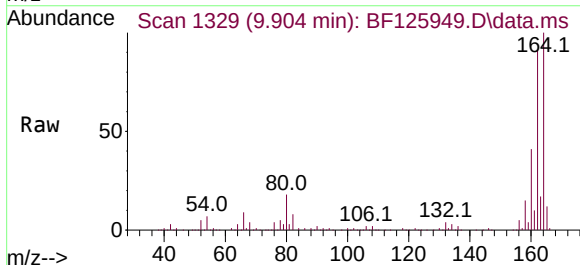
Instrument :
BNA_F
ClientSampleId :
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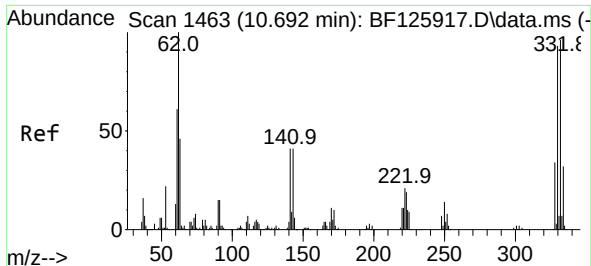
Tgt Ion: 82 Resp: 733903
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

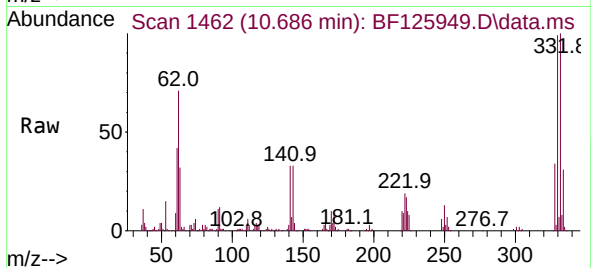
Tgt Ion:164 Resp: 338080
Ion Ratio Lower Upper
164 100
162 91.4 81.3 121.9
160 41.0 38.0 57.0



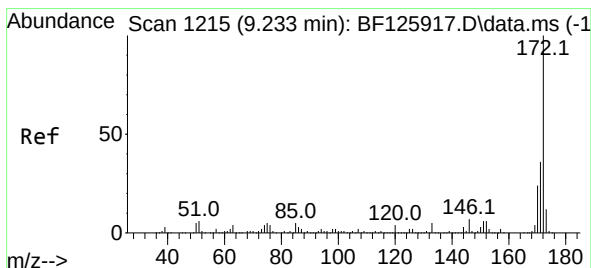
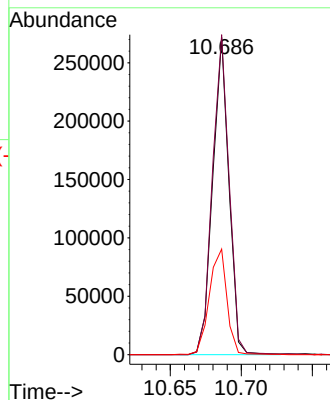
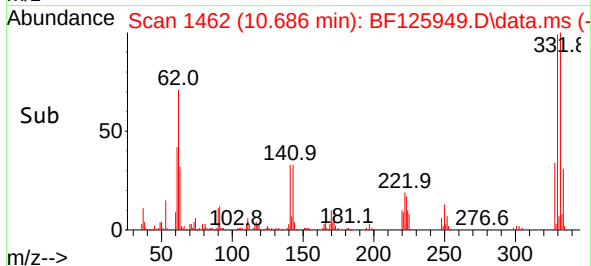


#42
2,4,6-Tribromophenol
Concen: 73.445 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

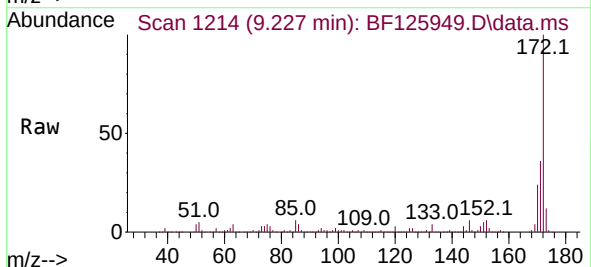
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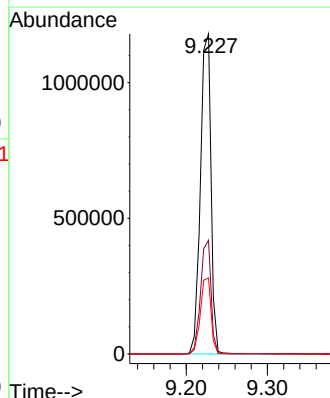
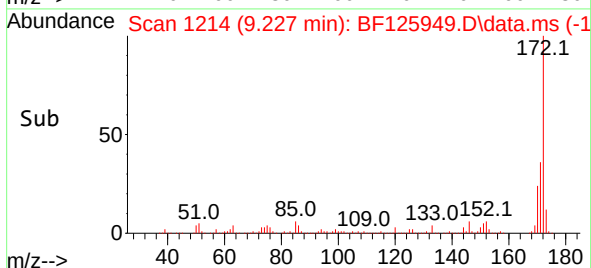
Tgt Ion: 330 Resp: 216455
Ion Ratio Lower Upper
330 100
332 103.9 76.2 114.4
141 36.3 44.6 66.8#

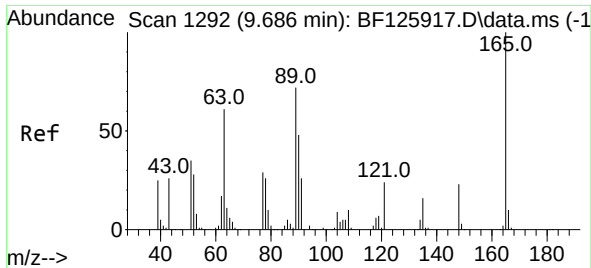


#45
2-Fluorobiphenyl
Concen: 56.235 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19



Tgt Ion: 172 Resp: 1075075
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 23.8 18.8 28.2

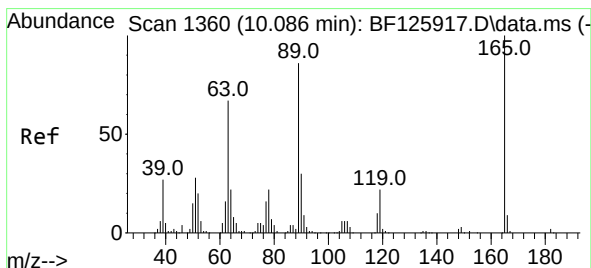
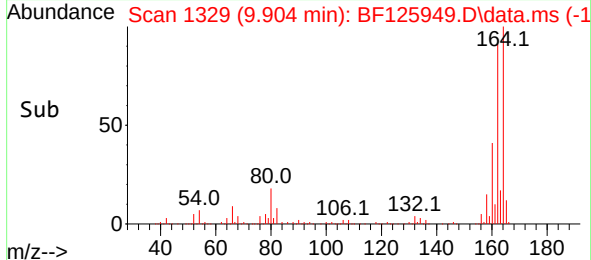
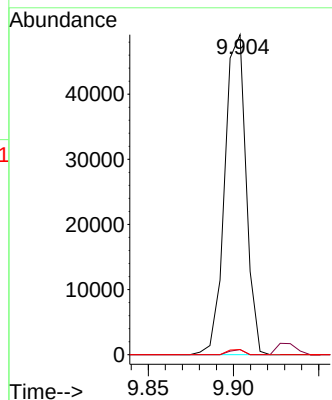
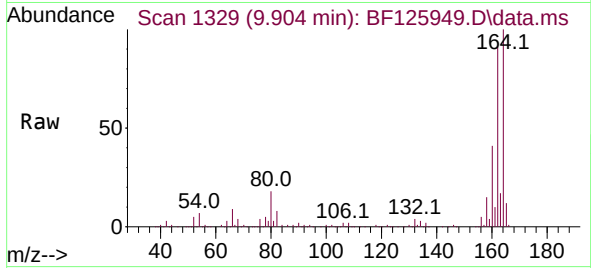




#51
2,6-Dinitrotoluene
Concen: 10.361 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.218 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

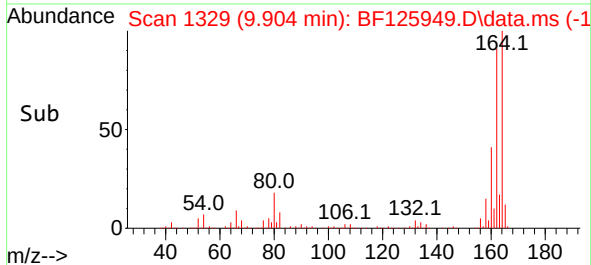
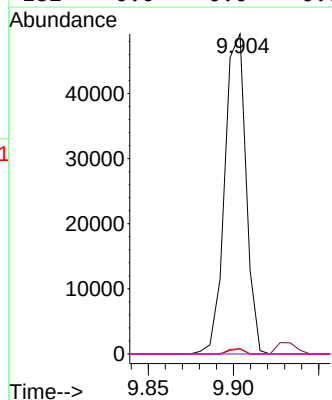
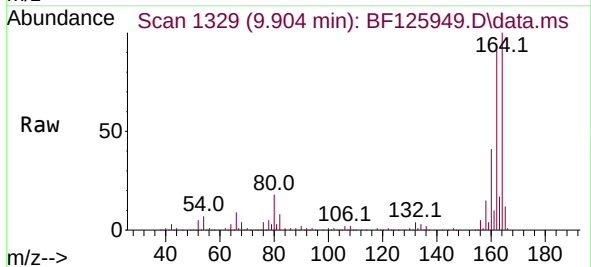
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ClientSampled :
C2

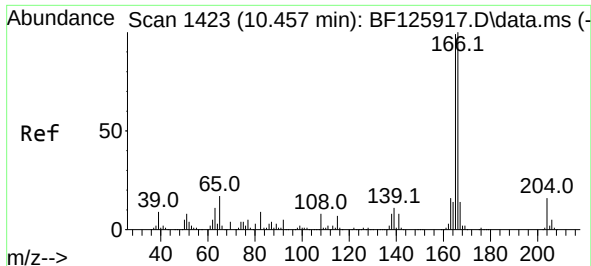
Tgt Ion:165 Resp: 42797
Ion Ratio Lower Upper
165 100
63 1.6 42.6 63.8#
89 1.6 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 8.435 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.182 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Tgt Ion:165 Resp: 42797
Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 1.6 59.7 89.5#
182 0.0 0.0 0.0

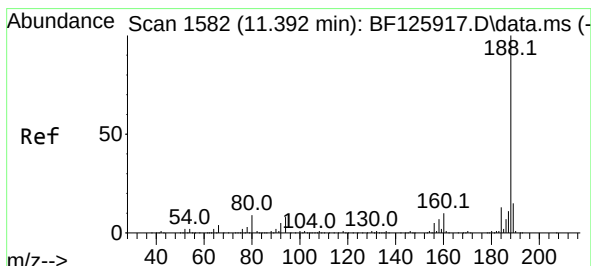
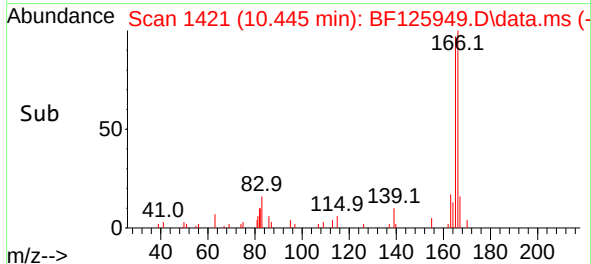
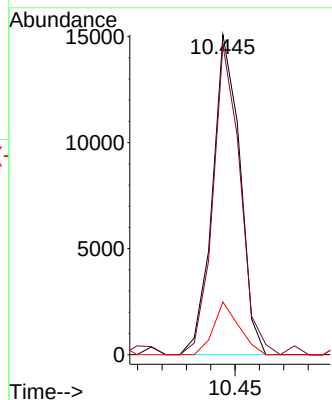
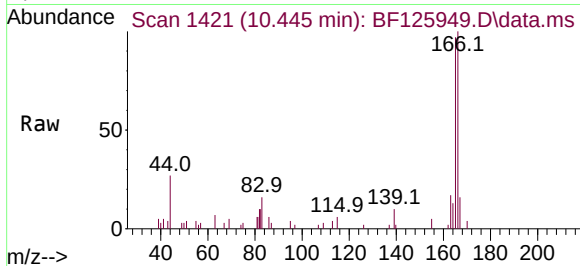




#58
Fluorene
Concen: Below Cal
RT: 10.445 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

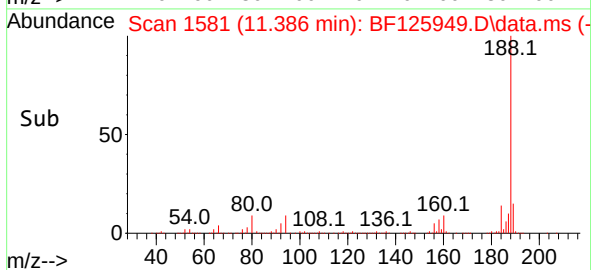
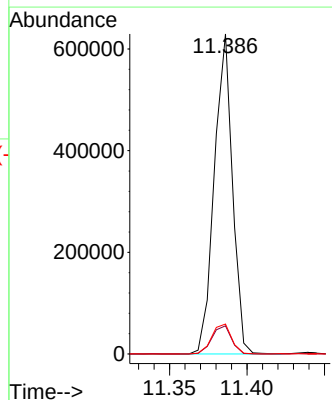
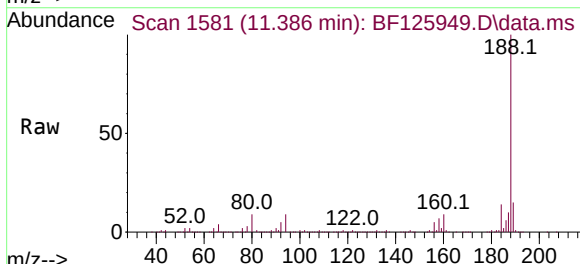
Instrument :
BNA_F
ClientSampled :
C2

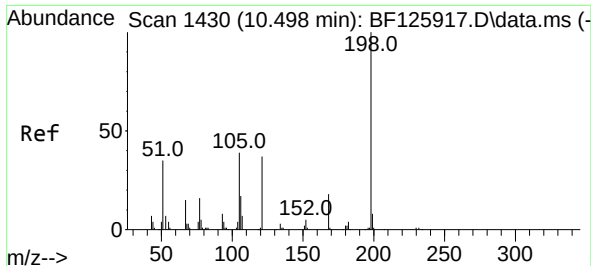
Tgt Ion:166 Resp: 11806
Ion Ratio Lower Upper
166 100
165 96.8 78.1 117.1
167 16.5 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Tgt Ion:188 Resp: 512460
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 9.4 7.5 11.3

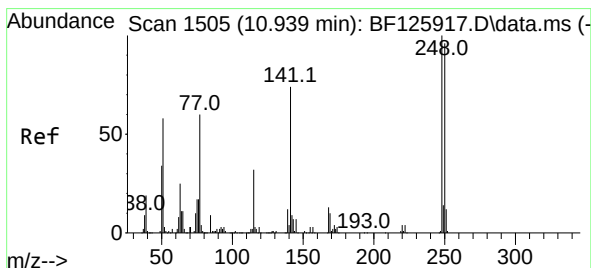
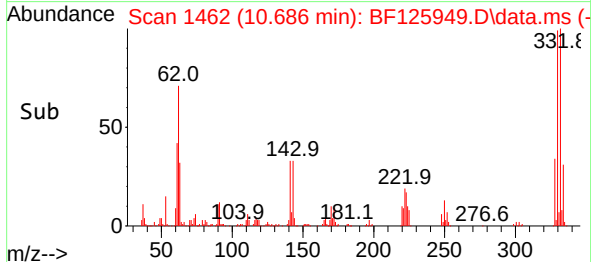
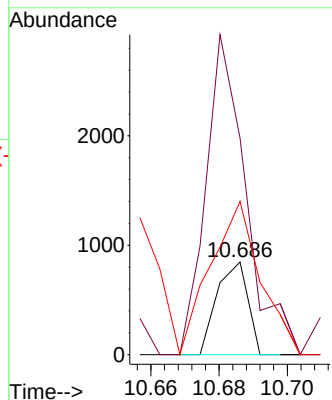
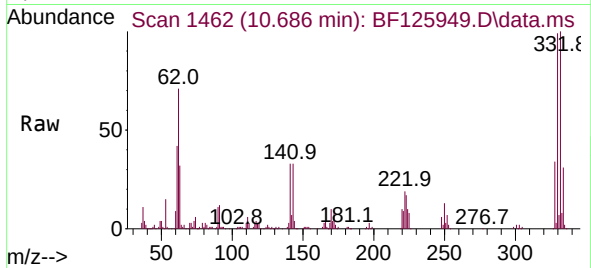




#65
4,6-Dinitro-2-methylphenol
Concen: 6.271 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

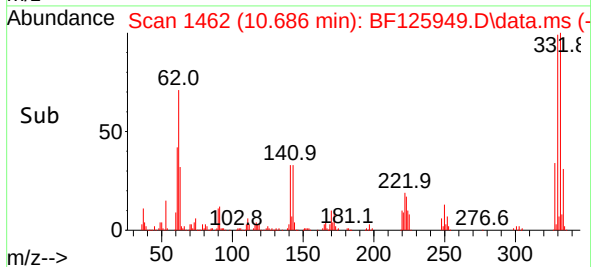
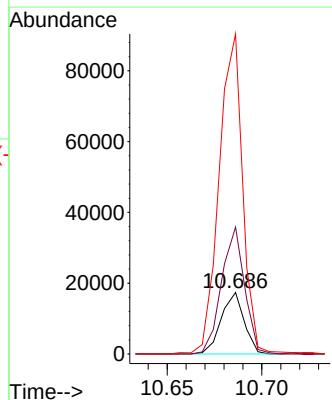
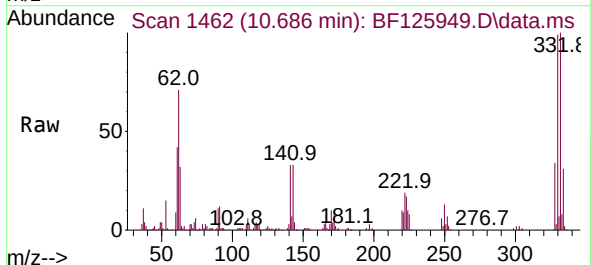
Instrument :
BNA_F
ClientSampled :
C2

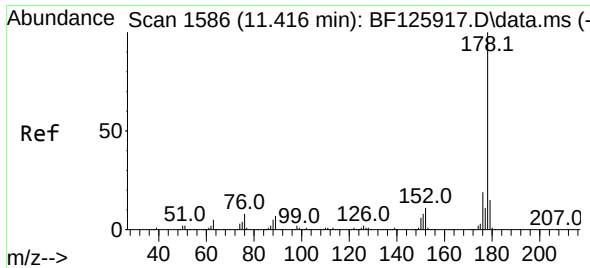
Tgt Ion:198 Resp: 531
Ion Ratio Lower Upper
198 100
51 234.0 45.3 85.3#
105 165.6 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 2.673 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Tgt Ion:248 Resp: 14631
Ion Ratio Lower Upper
248 100
250 206.6 74.2 111.4#
141 521.3 60.4 90.6#

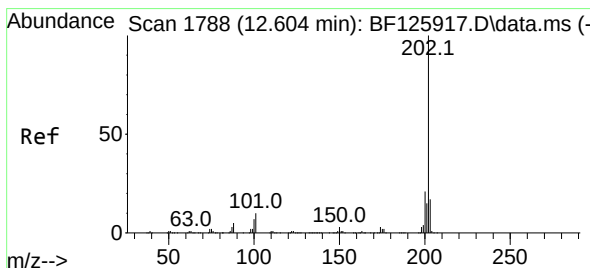
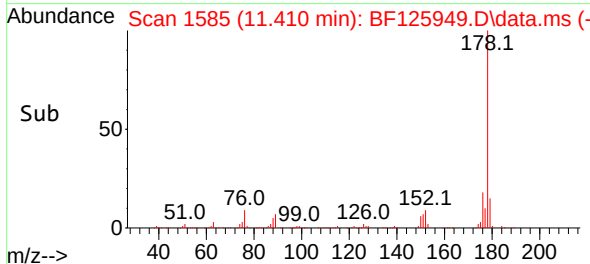
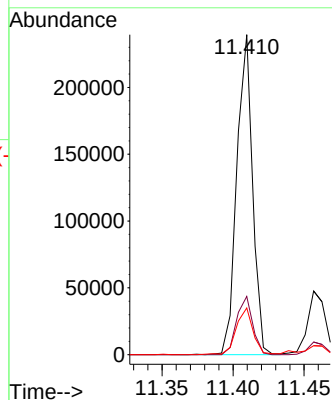
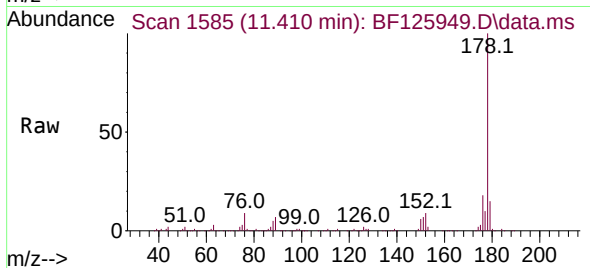




#71
Phenanthrene
Concen: 6.983 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

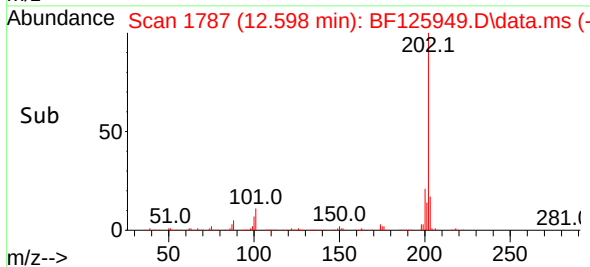
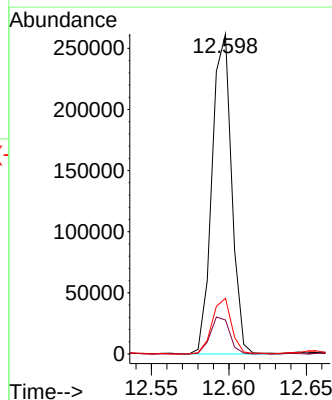
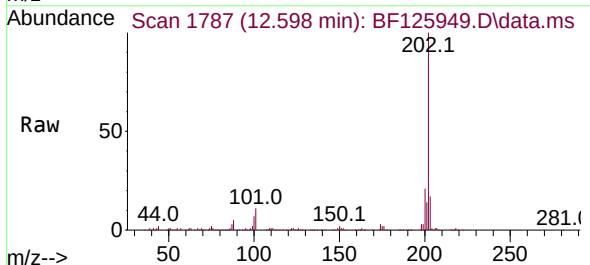
Instrument :
BNA_F
ClientSampleId :
C2

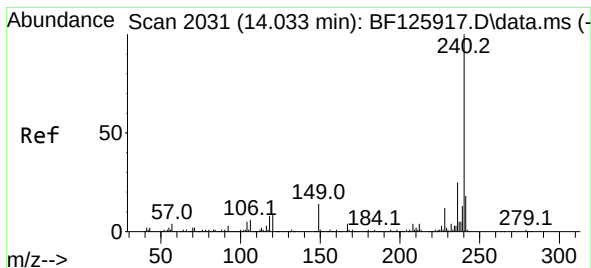
Tgt Ion:178 Resp: 185687
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 14.6 11.5 17.3



#75
Fluoranthene
Concen: 8.587 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Tgt Ion:202 Resp: 230185
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.7
203 17.4 0.0 36.3

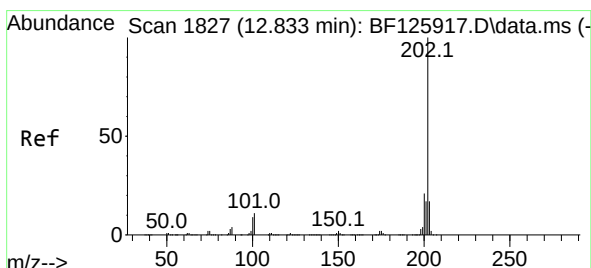
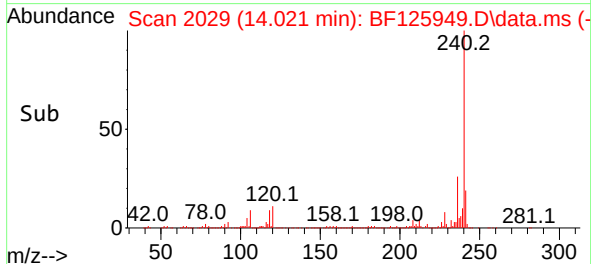
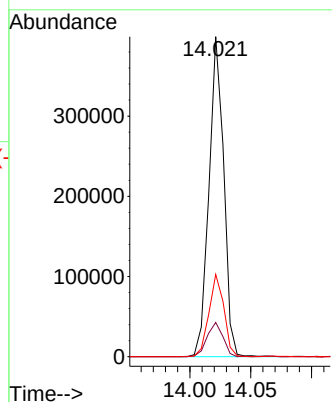
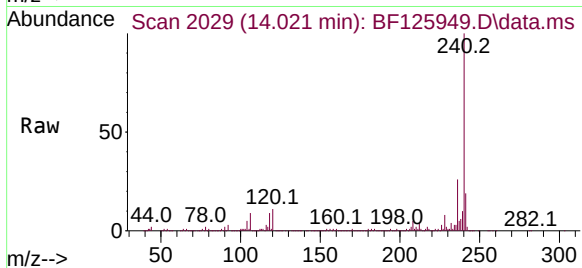




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

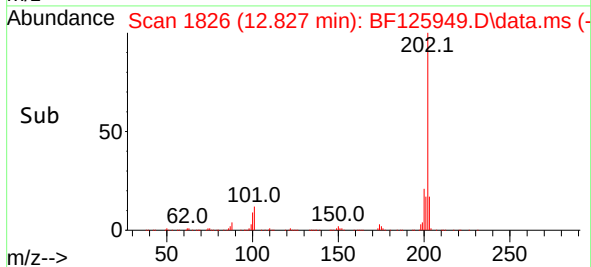
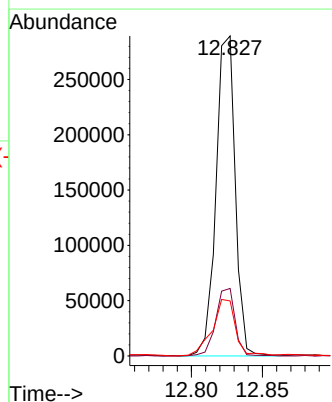
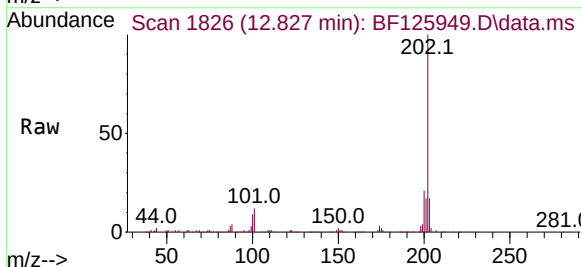
Instrument :
BNA_F
ClientSampleId :
C2

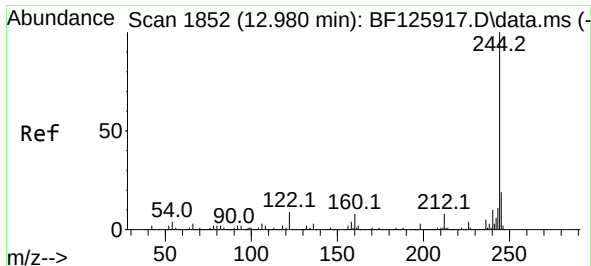
Tgt Ion:240 Resp: 335069
Ion Ratio Lower Upper
240 100
120 10.7 10.8 16.2#
236 25.7 21.6 32.4



#78
Pyrene
Concen: 8.732 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Tgt Ion:202 Resp: 272276
Ion Ratio Lower Upper
202 100
200 21.1 15.3 22.9
203 17.2 13.4 20.0

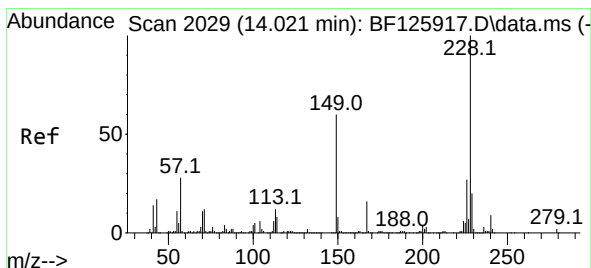
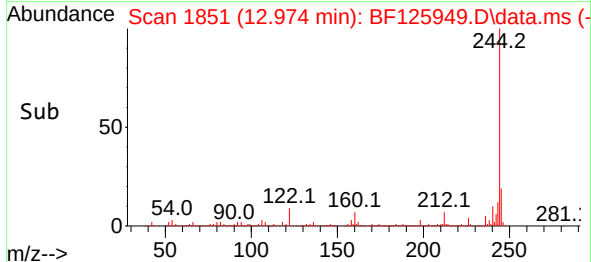
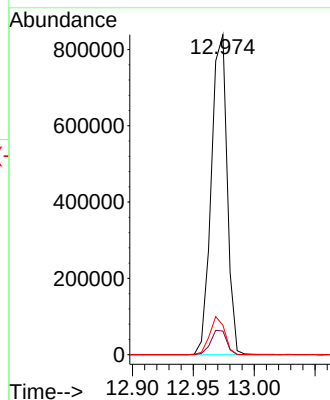
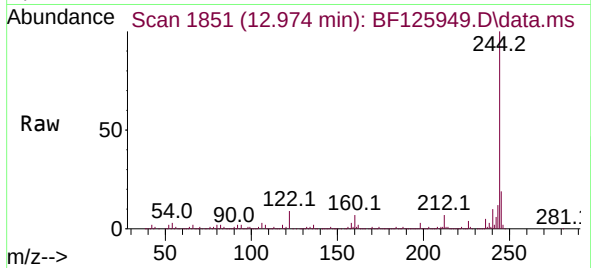




#79
Terphenyl-d14
Concen: 37.061 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

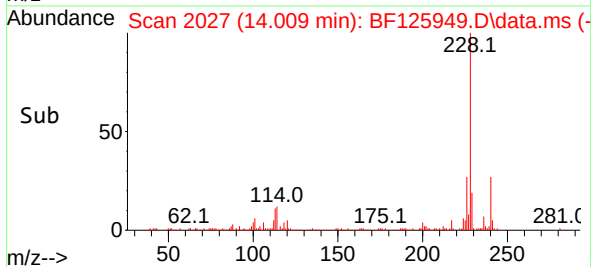
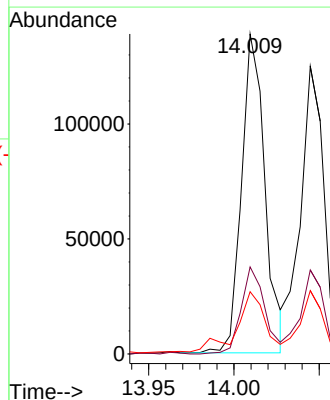
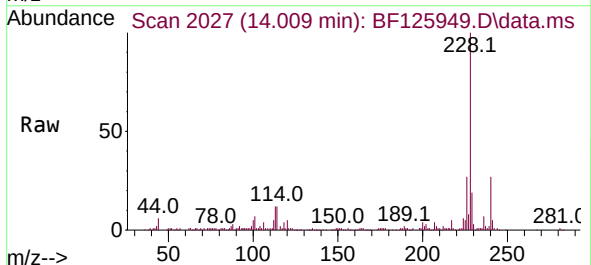
Instrument :
BNA_F
ClientSampleId :
C2

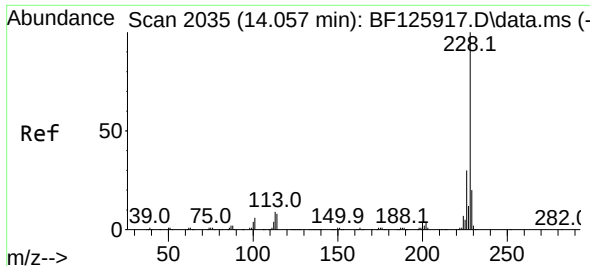
Tgt Ion:244 Resp: 759177
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 9.2 9.0 13.4



#81
Benzo(a)anthracene
Concen: 5.879 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Tgt Ion:228 Resp: 132577
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 19.4 15.6 23.4

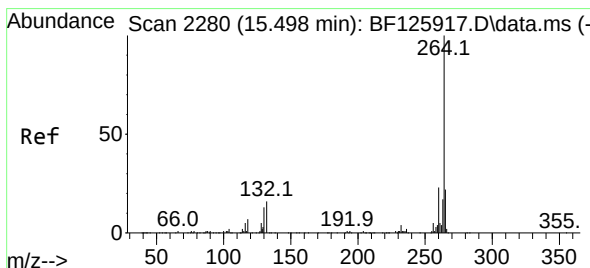
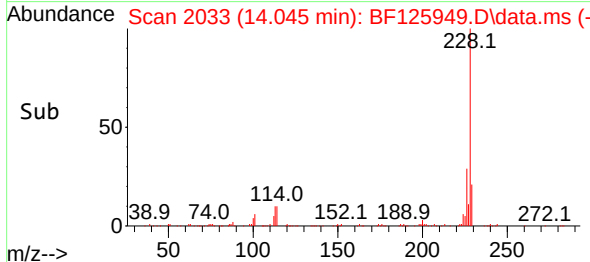
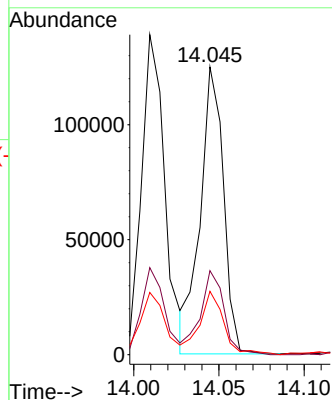
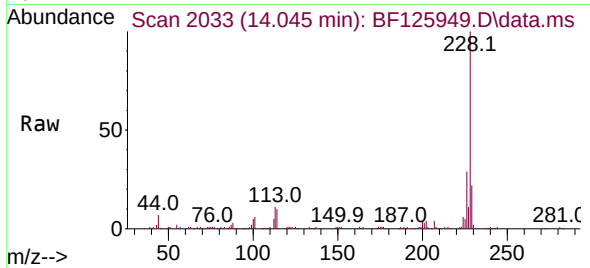




#83
Chrysene
Concen: 5.174 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

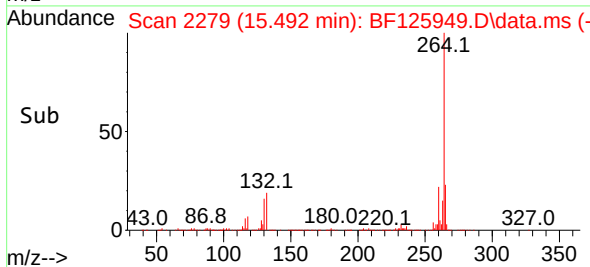
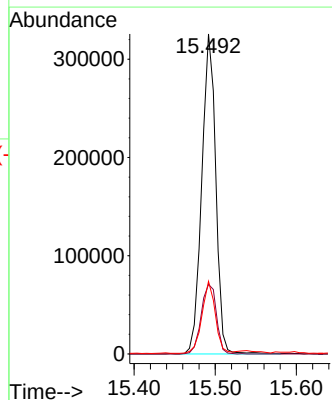
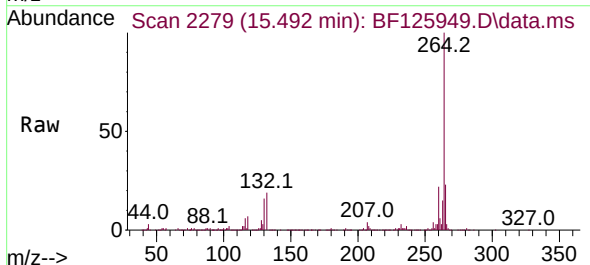
Instrument :
BNA_F
ClientSampled :
C2

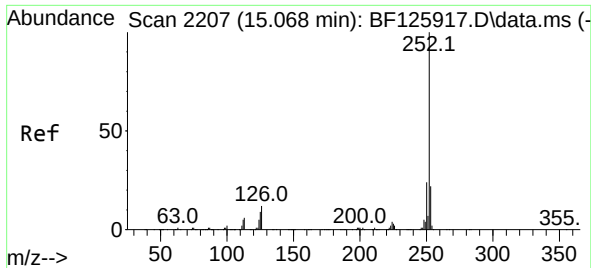
Tgt Ion:228 Resp: 118050
Ion Ratio Lower Upper
228 100
226 29.2 22.6 34.0
229 22.0 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Tgt Ion:264 Resp: 390394
Ion Ratio Lower Upper
264 100
260 21.8 19.6 29.4
265 22.7 17.2 25.8

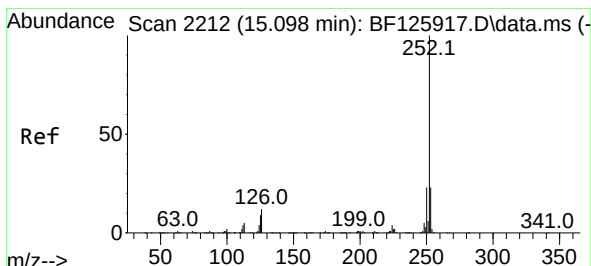
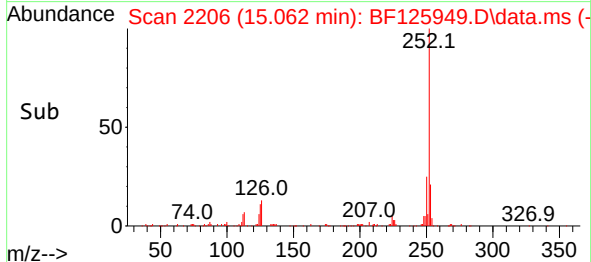
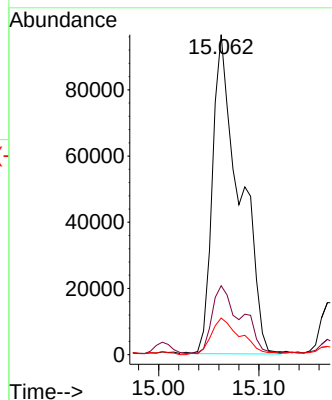
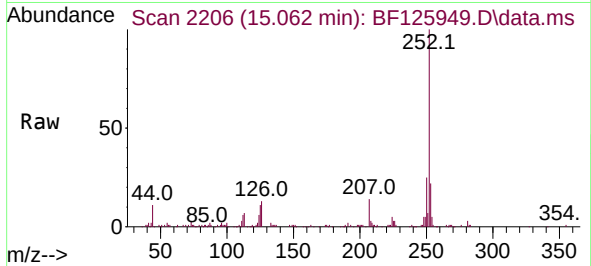




#88
Benzo(b)fluoranthene
Concen: 7.065 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

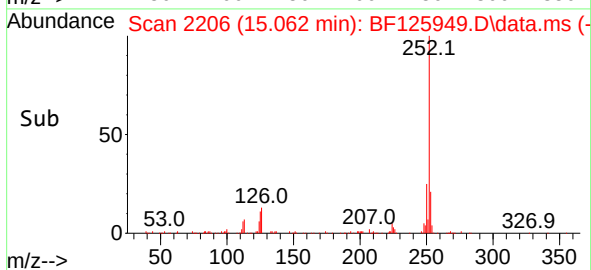
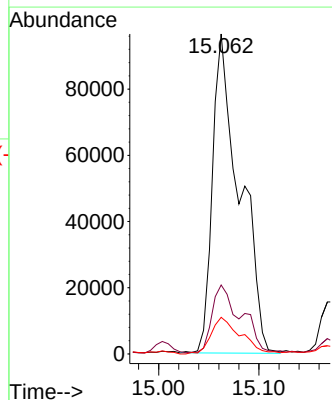
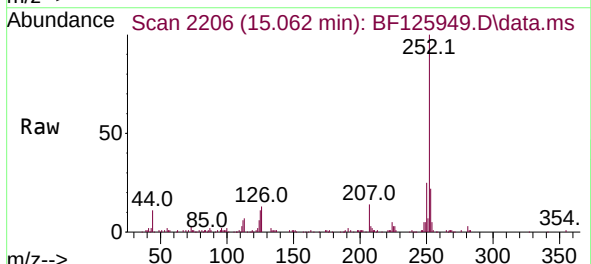
Instrument :
BNA_F
ClientSampleId :
C2

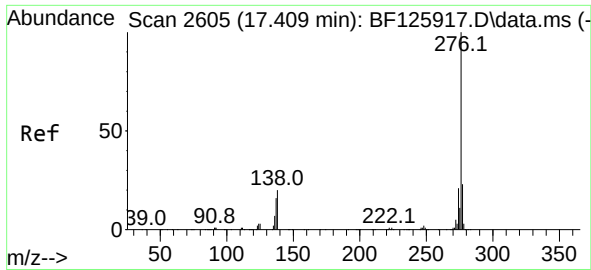
Tgt Ion:252 Resp: 182050
Ion Ratio Lower Upper
252 100
253 21.5 16.8 25.2
125 11.5 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 7.355 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.035 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

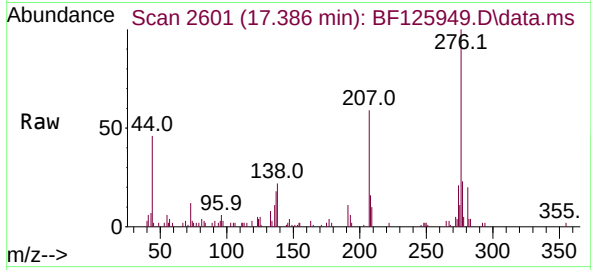
Tgt Ion:252 Resp: 182050
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 11.5 7.2 10.8#





#92
Benzo(g,h,i)perylene
Concen: 2.034 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.024 min
Lab File: BF125949.D
Acq: 26 Oct 2021 23:19

Instrument :
BNA_F
ClientSampled :
C2



Tgt Ion:276 Resp: 48415
Ion Ratio Lower Upper
276 100
277 22.7 22.0 33.0
138 22.2 22.2 33.4#

