

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102621\
 Data File : BF125956.D
 Acq On : 27 Oct 2021 3:02
 Operator : JU/CG
 Sample : M4357-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102521

Quant Time: Oct 27 09:06:06 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)

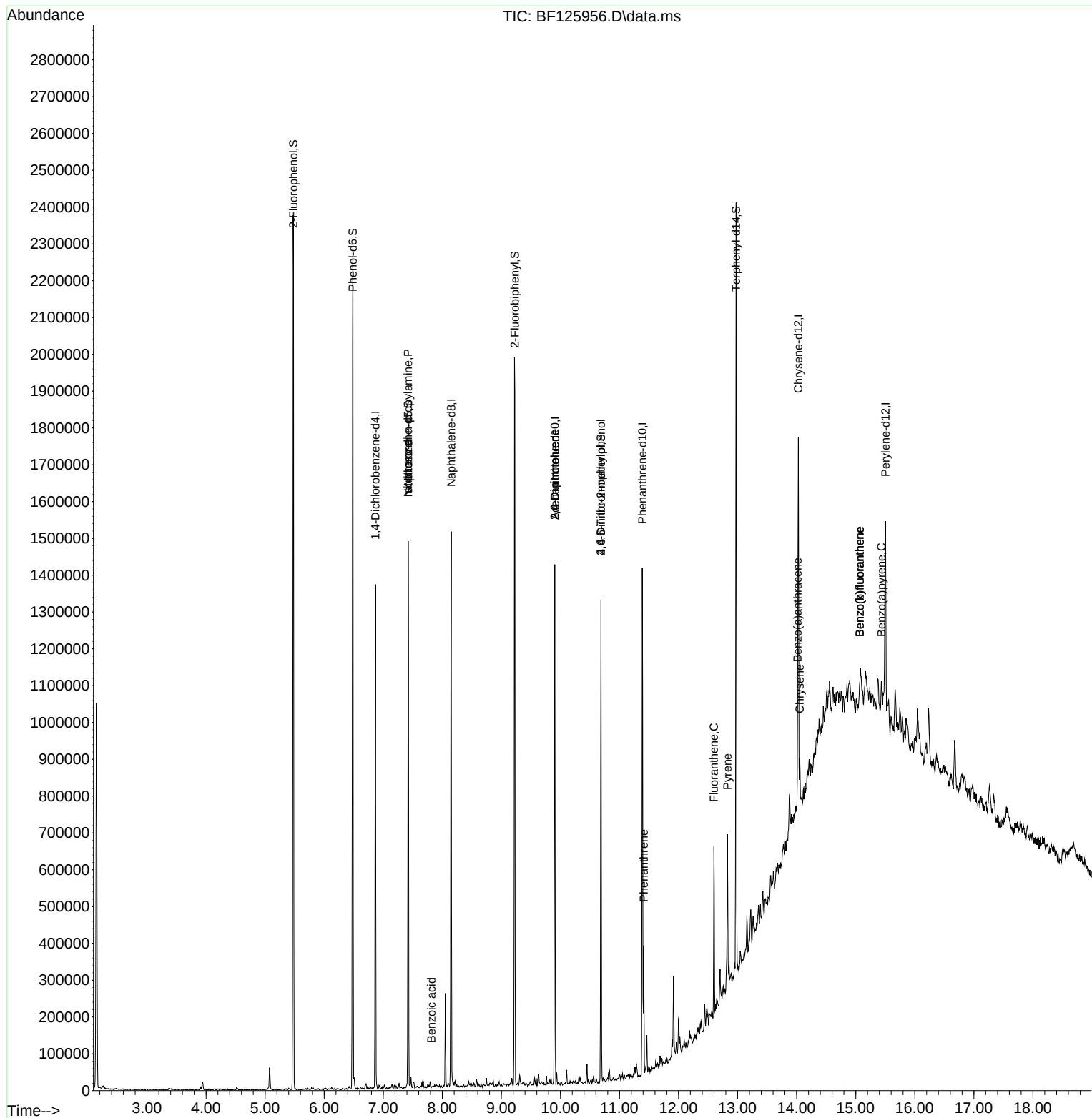
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	162404	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	558127	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	262573	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	483549	20.000	ng	0.00
76) Chrysene-d12	14.027	240	314399	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	246936	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	565188	51.838	ng	0.00
7) Phenol-d6	6.487	99	650235	43.481	ng	0.00
23) Nitrobenzene-d5	7.422	82	392509	36.326	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	113207	49.458	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	593704	39.986	ng	0.00
79) Terphenyl-d14	12.974	244	646395	33.630	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	51766	6.059	ng	# 72
25) Isophorone	7.422	82	391871	19.044	ng	# 59
32) Benzoic acid	7.816	122	172	4.197	ng	# 72
51) 2,6-Dinitrotoluene	9.904	165	32928	10.264	ng	# 28
57) 2,4-Dinitrotoluene	9.904	165	32928	8.356	ng	# 20
58) Fluorene	10.451	166	12477	Below Cal		89
65) 4,6-Dinitro-2-methylph...	10.686	198	221	6.156	ng	# 1
71) Phenanthrene	11.410	178	109816	4.377	ng	99
75) Fluoranthene	12.598	202	165935	6.560	ng	94
78) Pyrene	12.827	202	162483	5.553	ng	98
81) Benzo(a)anthracene	14.016	228	64629	3.054	ng	# 93
83) Chrysene	14.051	228	56969	2.661	ng	# 92
88) Benzo(b)fluoranthene	15.068	252	70617	4.333	ng	# 68
89) Benzo(k)fluoranthene	15.068	252	70617	4.510	ng	# 69
90) Benzo(a)pyrene	15.433	252	38530	2.928	ng	# 80

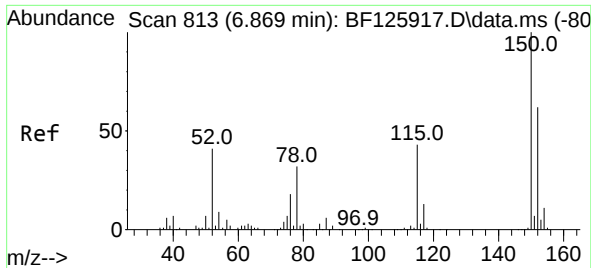
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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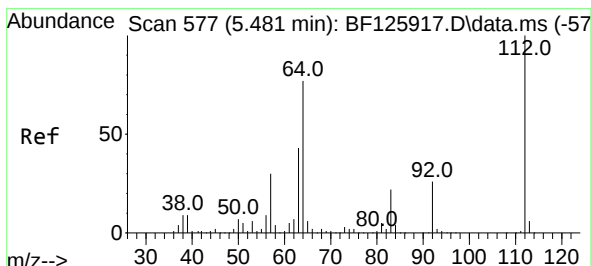
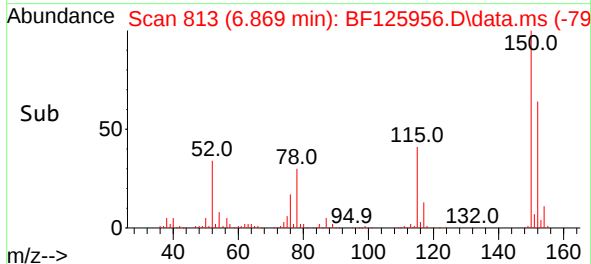
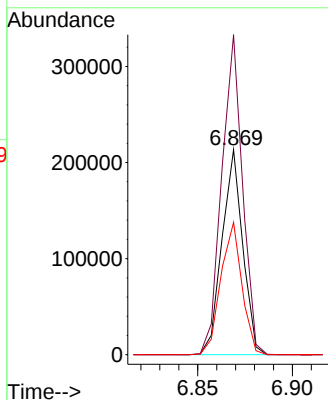
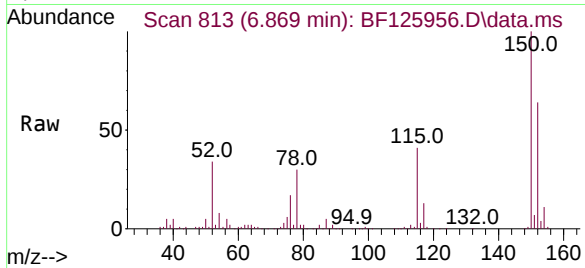




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

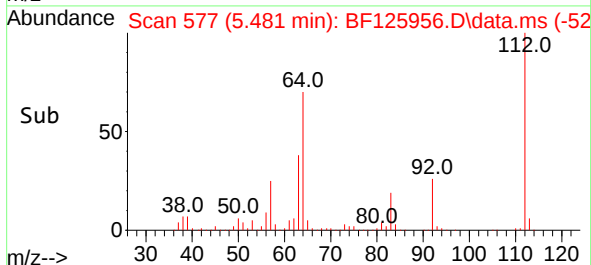
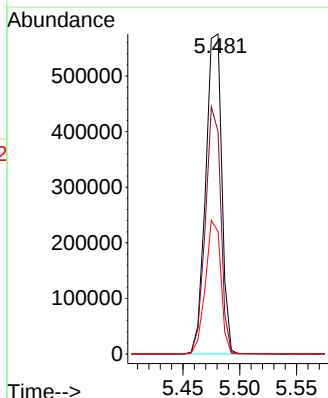
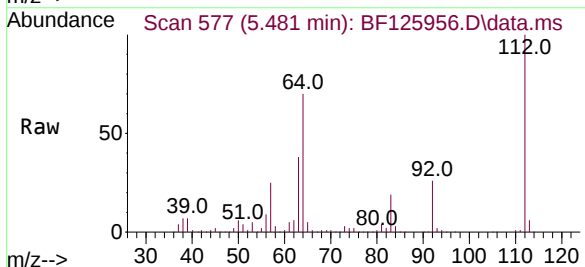
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

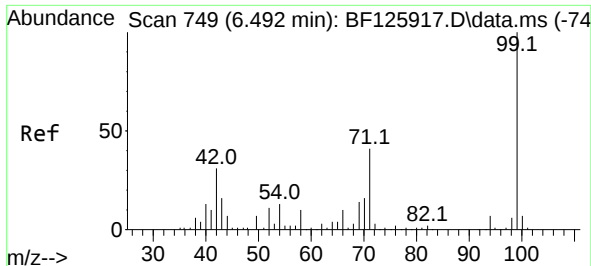
Tgt Ion:152 Resp: 162404
Ion Ratio Lower Upper
152 100
150 155.9 117.6 176.4
115 64.5 47.1 70.7



#5
2-Fluorophenol
Concen: 51.838 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Tgt Ion:112 Resp: 565188
Ion Ratio Lower Upper
112 100
64 69.5 44.2 66.2#
63 38.3 26.2 39.2

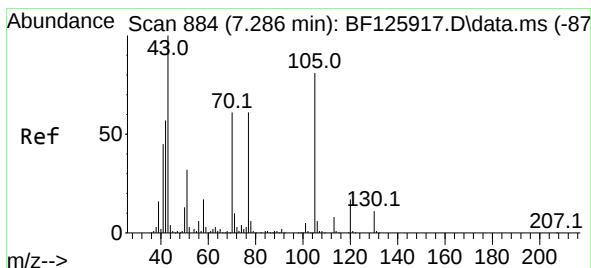
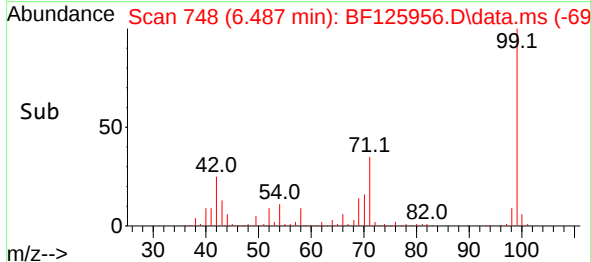
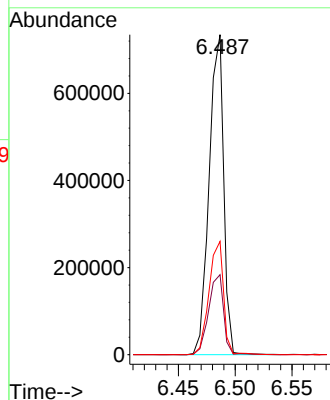
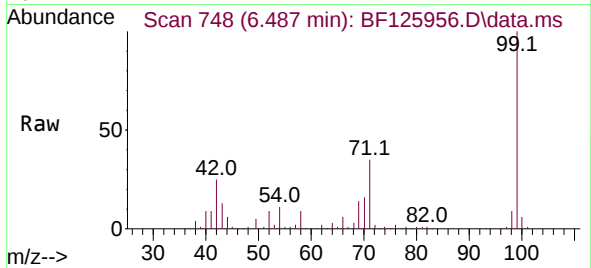




#7
Phenol-d6
Concen: 43.481 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

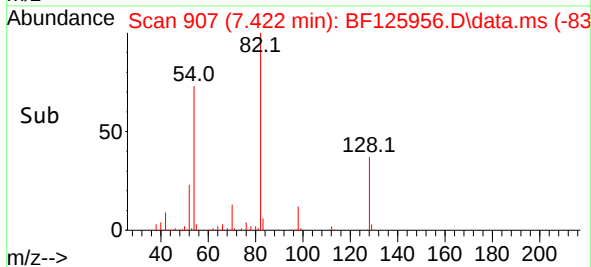
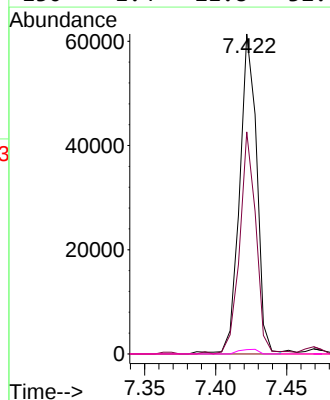
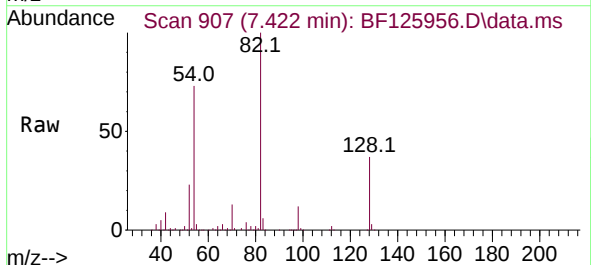
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

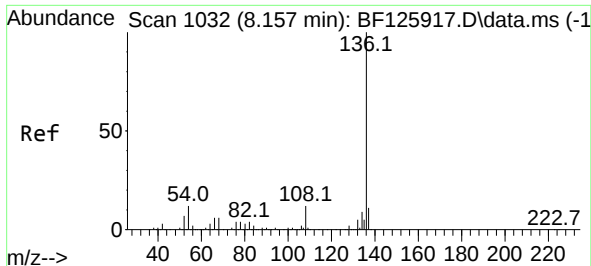
Tgt Ion: 99 Resp: 650235
Ion Ratio Lower Upper
99 100
42 25.0 23.5 35.3
71 35.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.059 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Tgt Ion: 70 Resp: 51766
Ion Ratio Lower Upper
70 100
42 69.4 72.2 108.2#
101 0.0 7.8 11.8#
130 1.4 21.8 32.6#

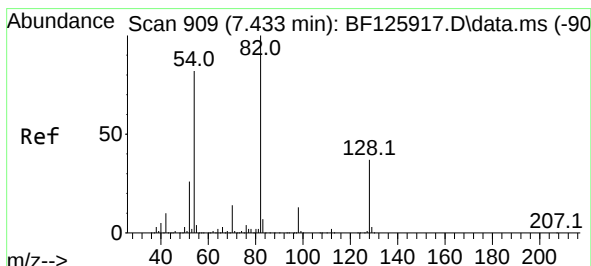
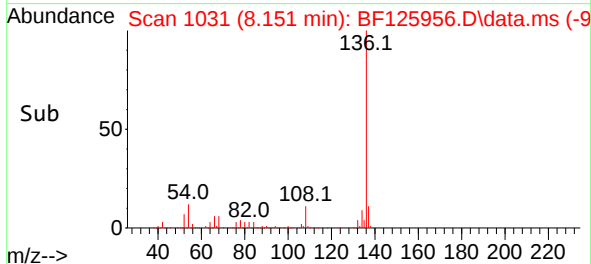
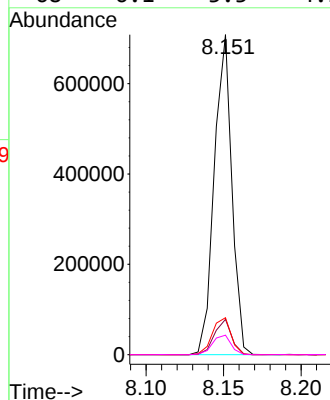
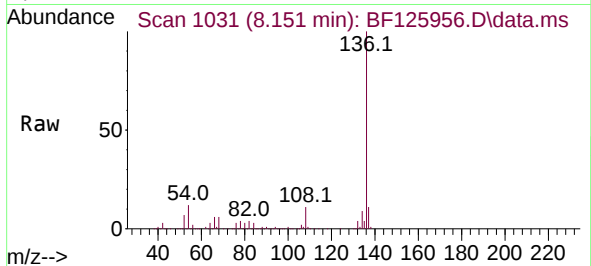




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

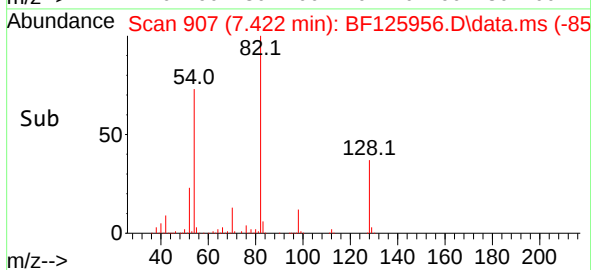
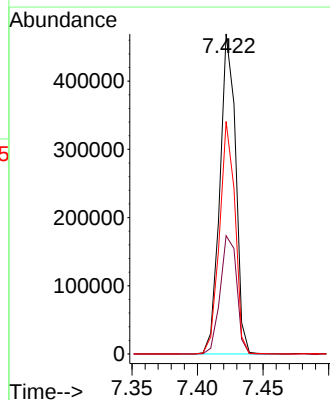
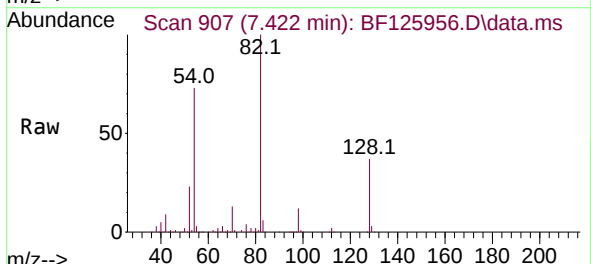
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

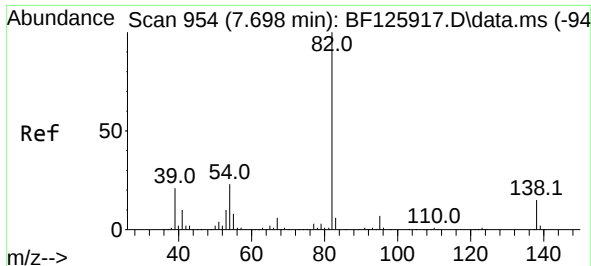
Tgt Ion:	136	Resp:	558127
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.8	14.6
54	11.6	6.4	9.6#
68	6.1	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 36.326 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Tgt Ion:	82	Resp:	392509
Ion Ratio	Lower	Upper	
82	100		
128	37.0	40.6	60.8#
54	72.7	49.6	74.4

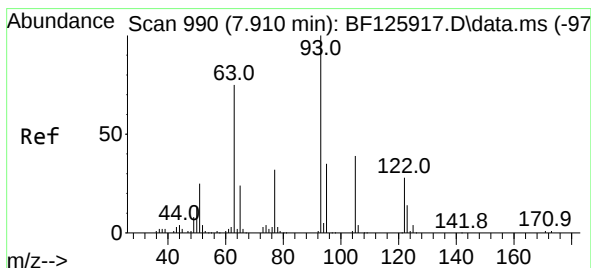
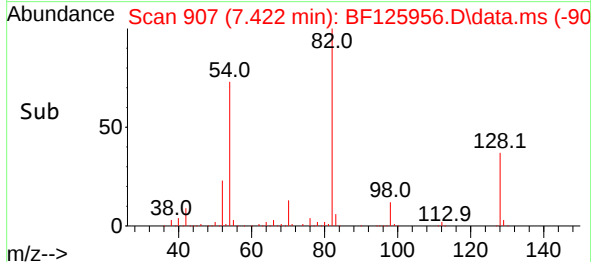
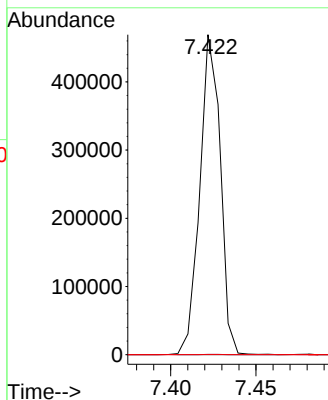
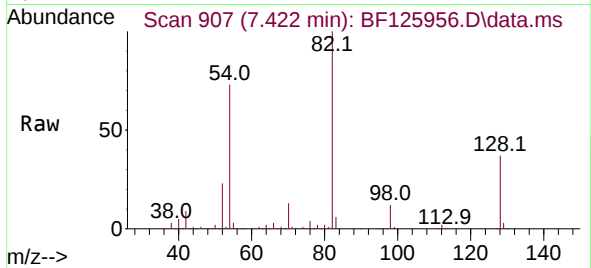




#25
Isophorone
Concen: 19.044 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.276 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

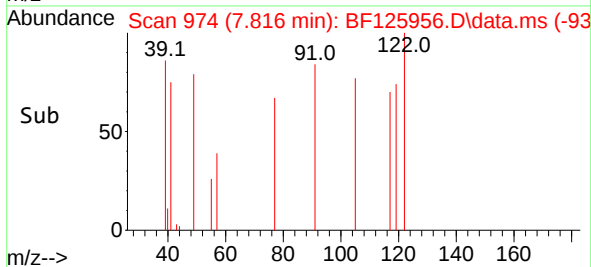
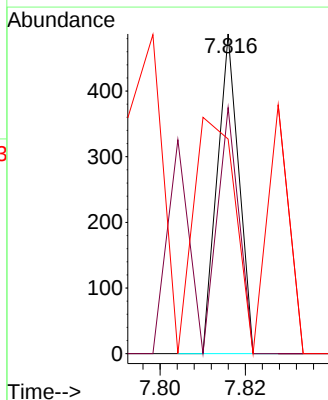
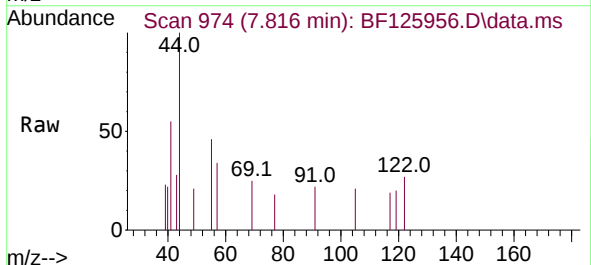
Instrument :
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ClientSampleId :
CL-01-102521

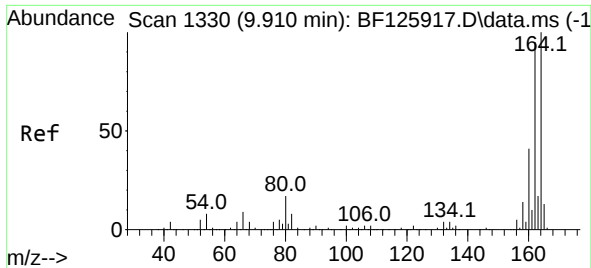
Tgt Ion: 82 Resp: 391871
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.197 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.094 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Tgt Ion: 122 Resp: 172
Ion Ratio Lower Upper
122 100
105 77.0 97.6 137.6#
77 67.1 59.6 99.6

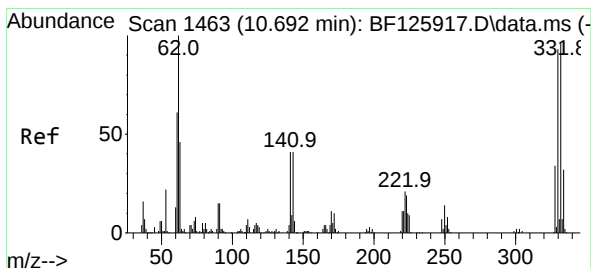
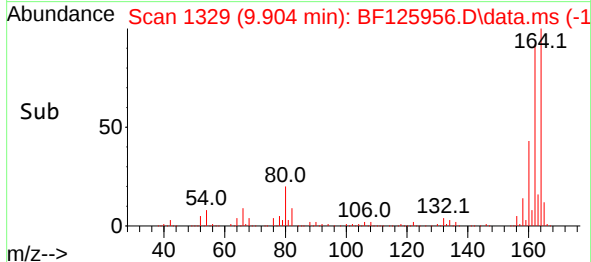
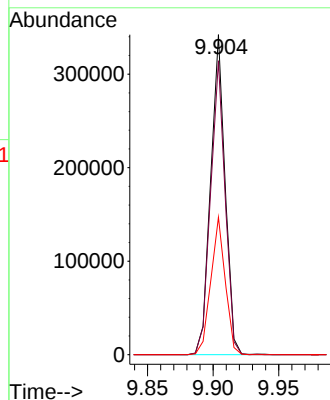
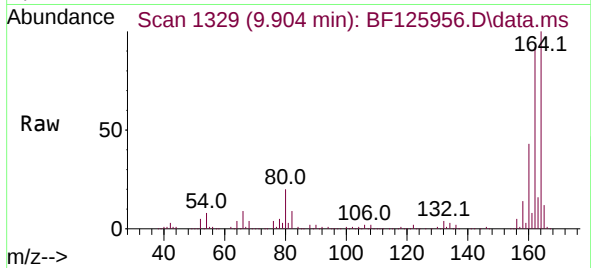




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

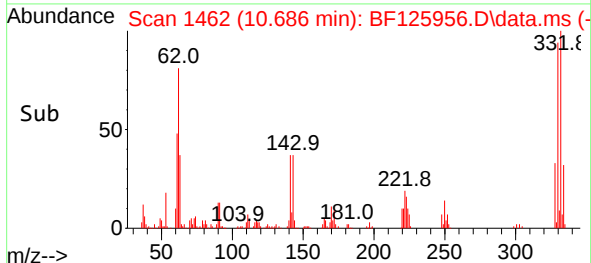
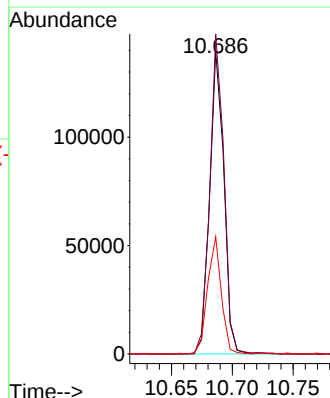
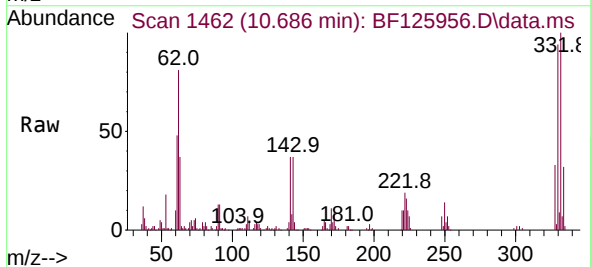
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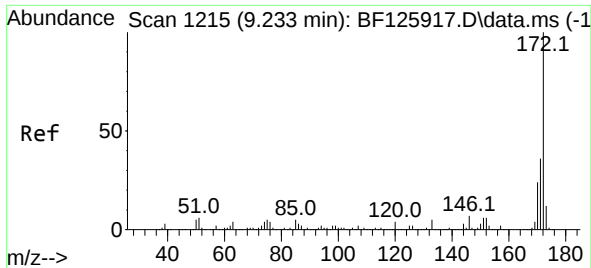
Tgt Ion:164 Resp: 262573
Ion Ratio Lower Upper
164 100
162 91.9 81.3 121.9
160 43.0 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 49.458 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Tgt Ion:330 Resp: 113207
Ion Ratio Lower Upper
330 100
332 104.9 76.2 114.4
141 37.5 44.6 66.8#

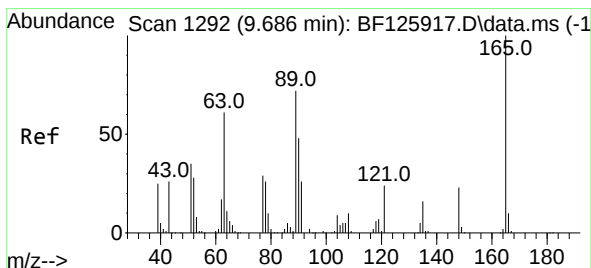
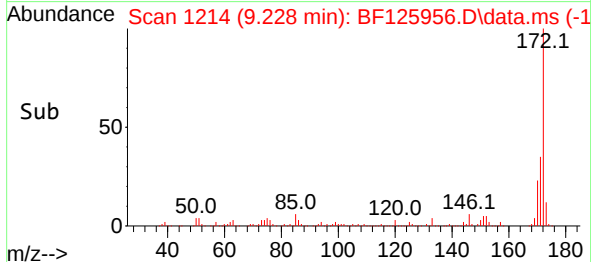
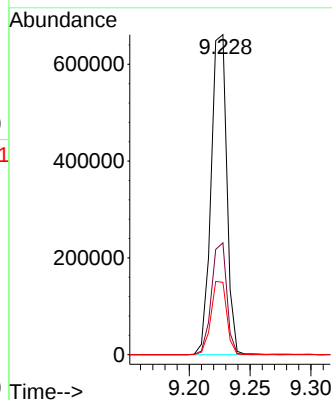
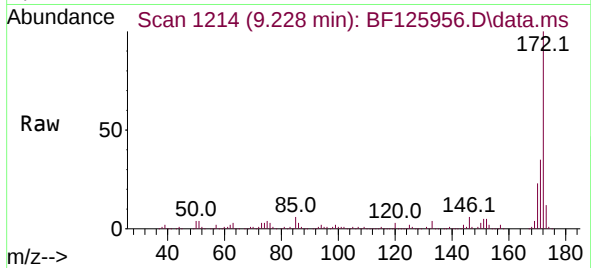




#45
2-Fluorobiphenyl
Concen: 39.986 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

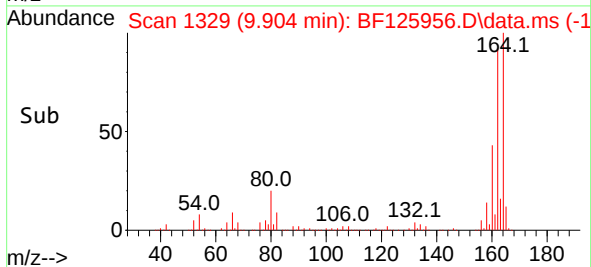
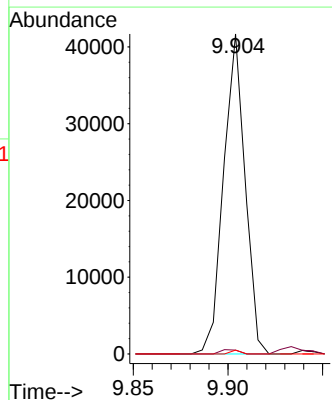
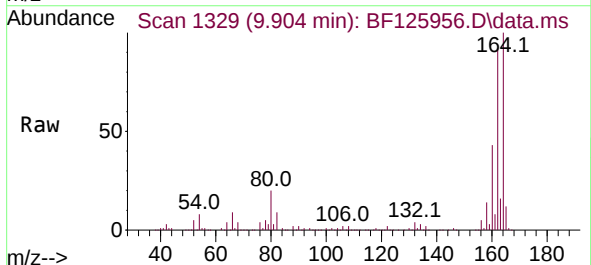
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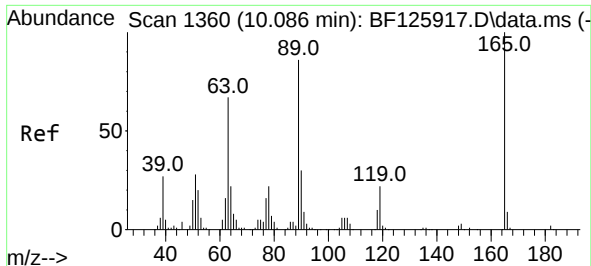
Tgt Ion:172 Resp: 593704
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 22.6 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.264 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.218 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

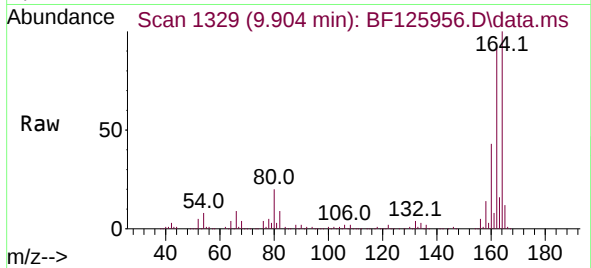
Tgt Ion:165 Resp: 32928
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.2 40.6 60.8#



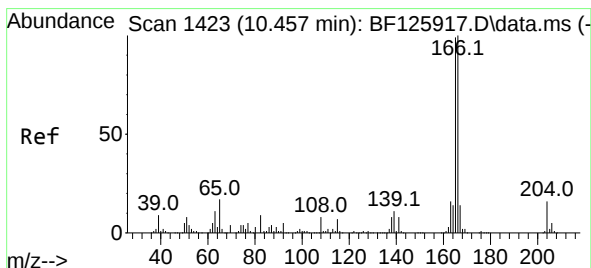
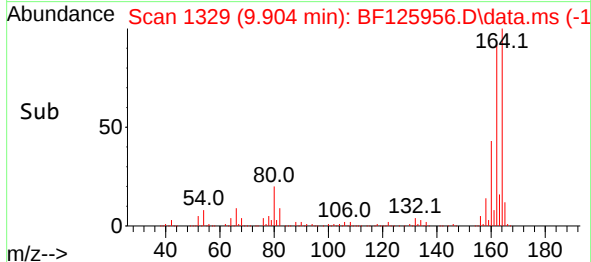
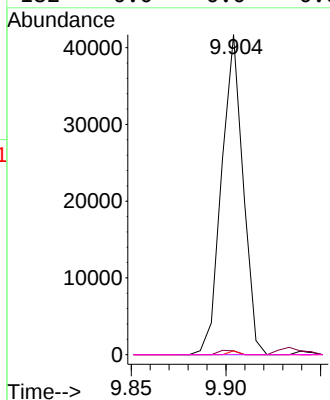


#57
2,4-Dinitrotoluene
Concen: 8.356 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.182 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Instrument :
BNA_F
ClientSampled :
CL-01-102521

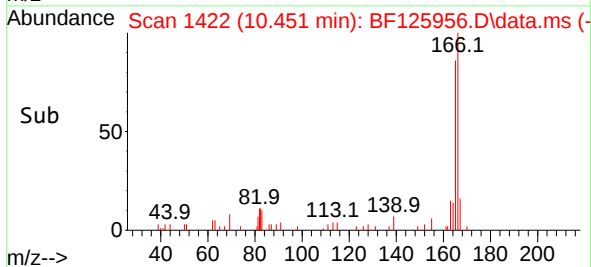
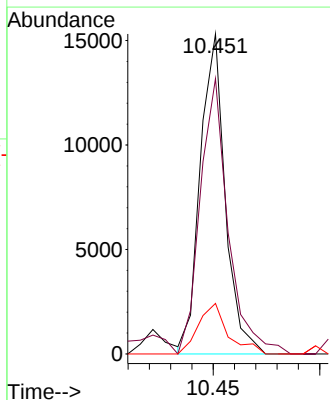
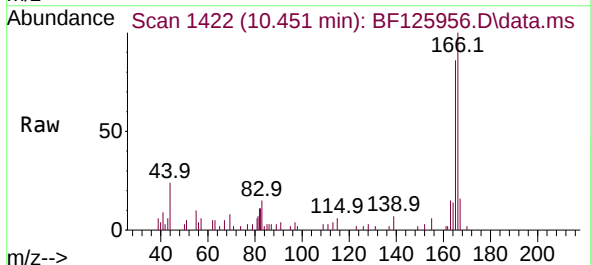


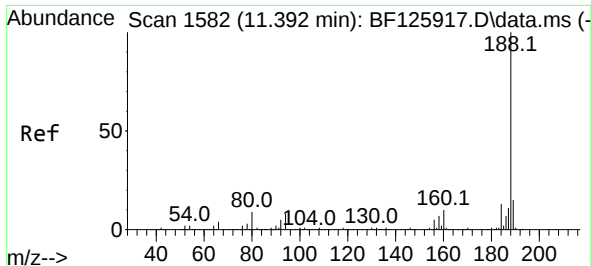
Tgt Ion:165 Resp: 32928
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: Below Cal
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

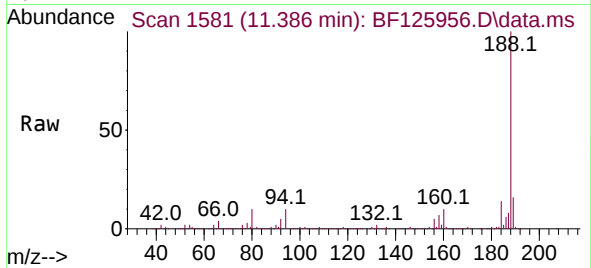
Tgt Ion:166 Resp: 12477
Ion Ratio Lower Upper
166 100
165 86.1 78.1 117.1
167 15.8 11.1 16.7



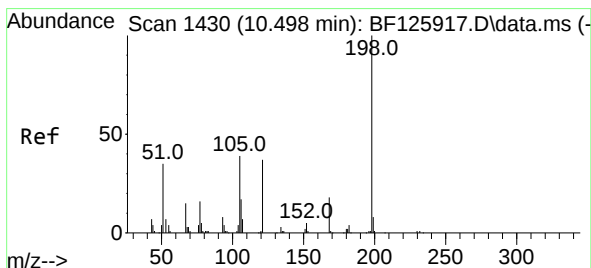
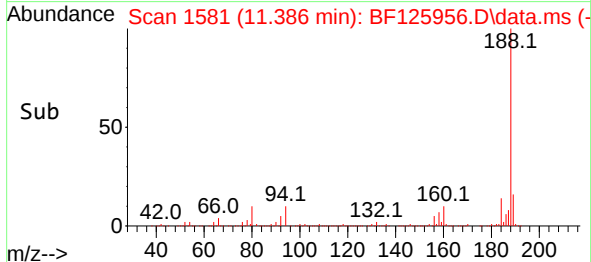
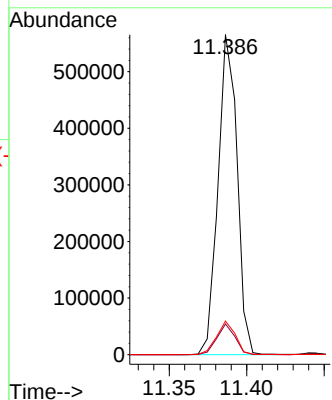


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Instrument :
BNA_F
ClientSampleId :
CL-01-102521

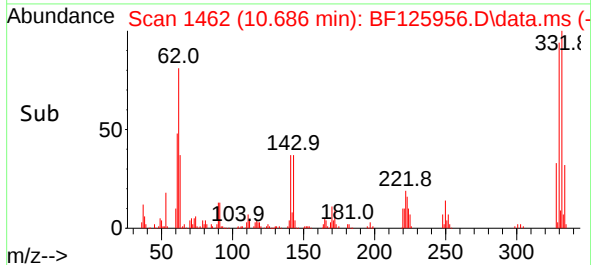
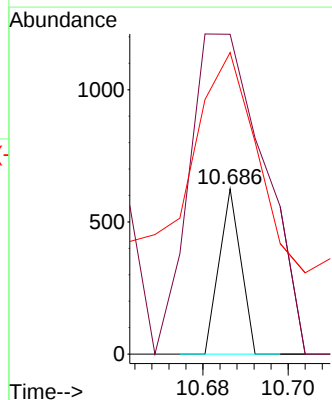
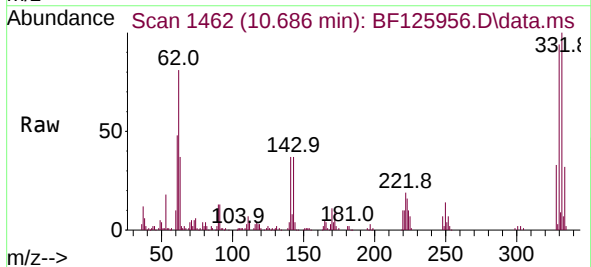


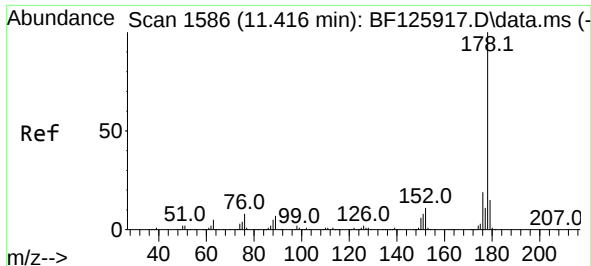
Tgt Ion:188 Resp: 483549
Ion Ratio Lower Upper
188 100
94 9.6 6.7 10.1
80 10.5 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 6.156 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Tgt Ion:198 Resp: 221
Ion Ratio Lower Upper
198 100
51 193.6 45.3 85.3#
105 182.6 30.6 70.6#

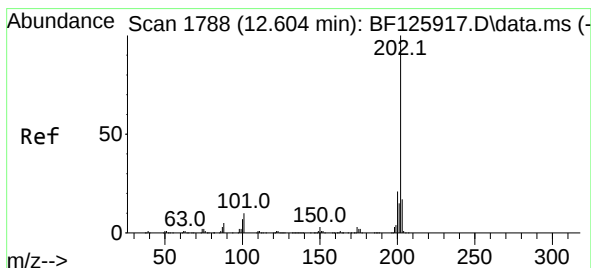
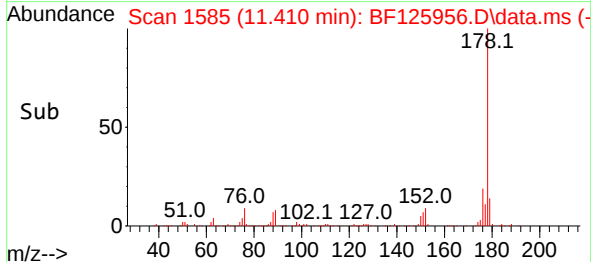
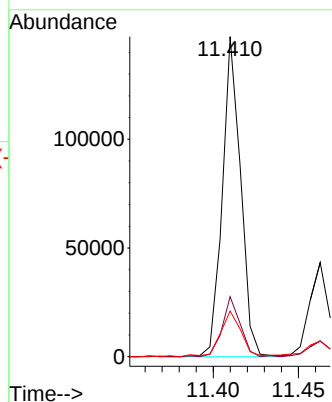
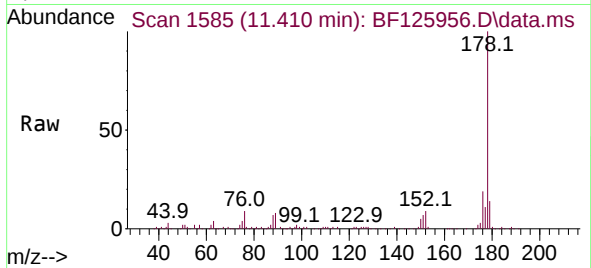




#71
Phenanthrene
Concen: 4.377 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

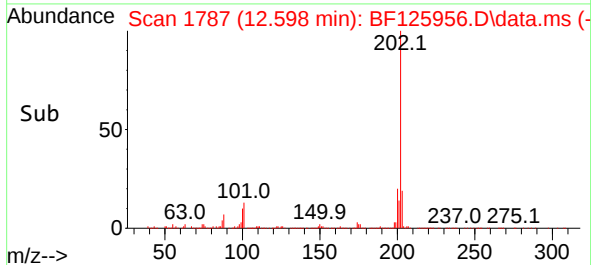
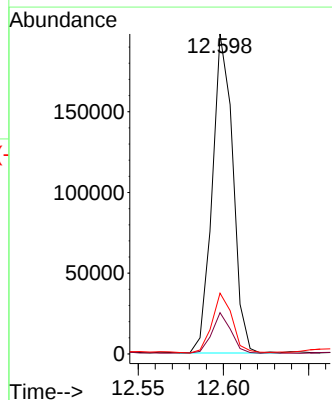
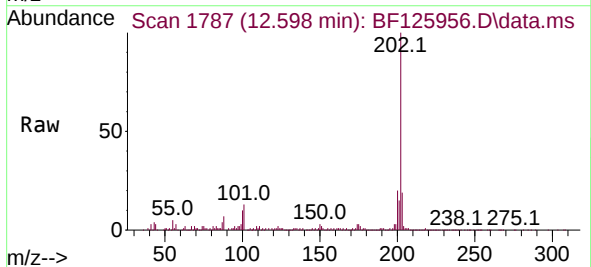
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

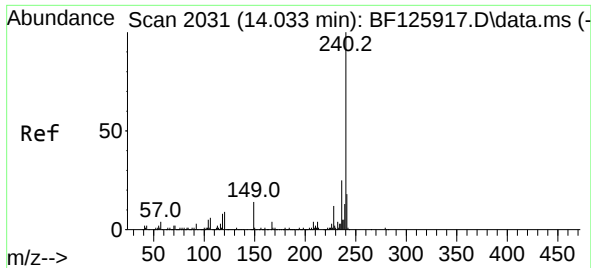
Tgt Ion:178 Resp: 109816
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 14.2 11.5 17.3



#75
Fluoranthene
Concen: 6.560 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Tgt Ion:202 Resp: 165935
Ion Ratio Lower Upper
202 100
101 12.9 0.0 30.7
203 19.0 0.0 36.3

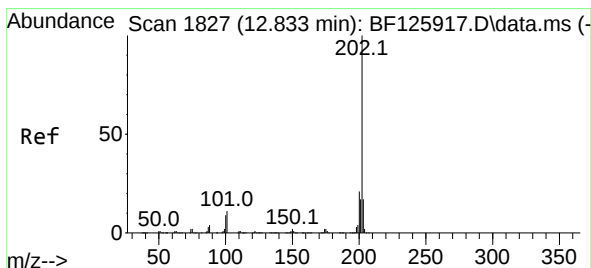
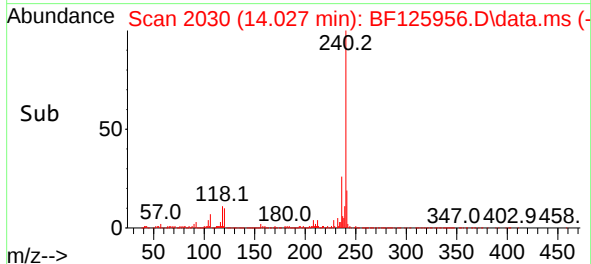
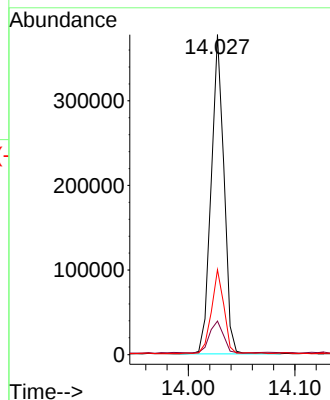
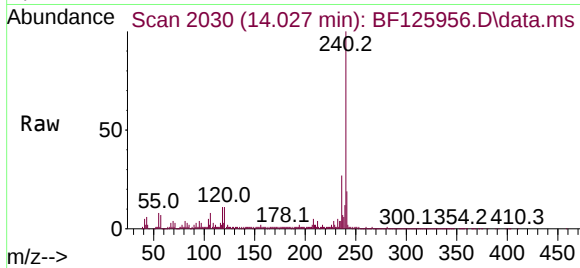




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

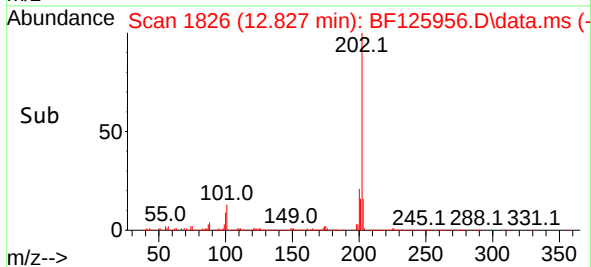
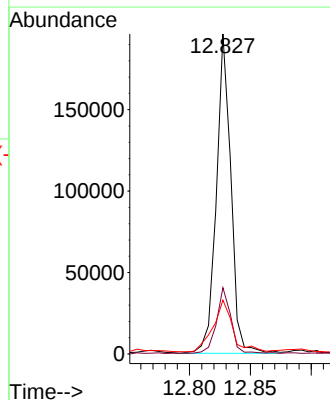
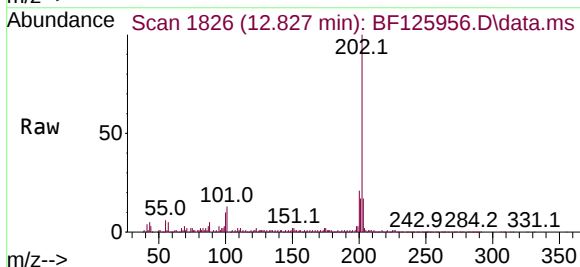
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

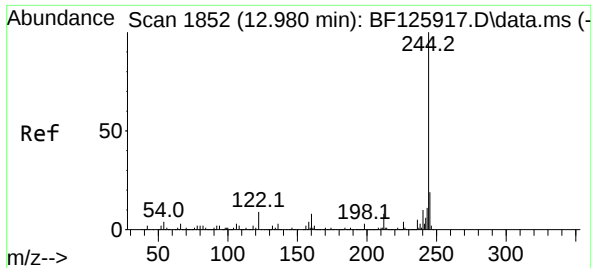
Tgt Ion:240 Resp: 314399
Ion Ratio Lower Upper
240 100
120 10.5 10.8 16.2#
236 26.5 21.6 32.4



#78
Pyrene
Concen: 5.553 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Tgt Ion:202 Resp: 162483
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 16.8 13.4 20.0

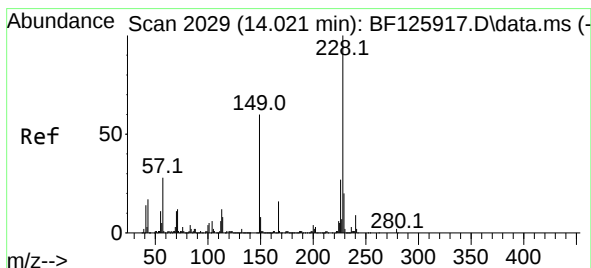
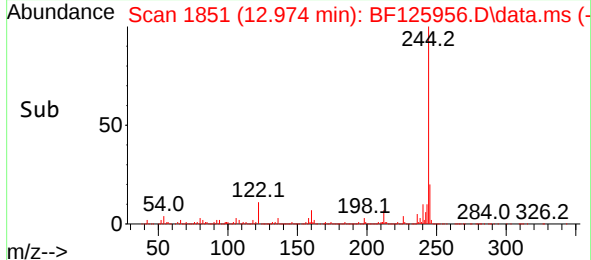
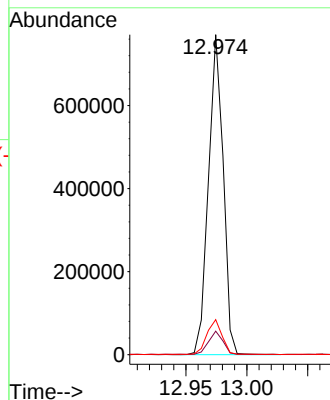
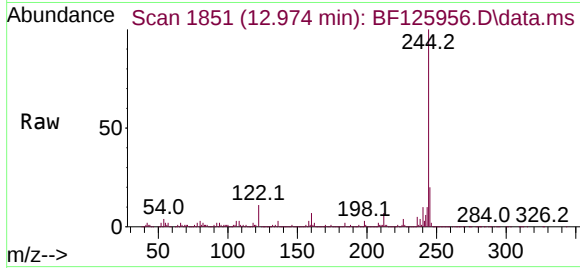




#79
 Terphenyl-d14
 Concen: 33.630 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF125956.D
 Acq: 27 Oct 2021 3:02

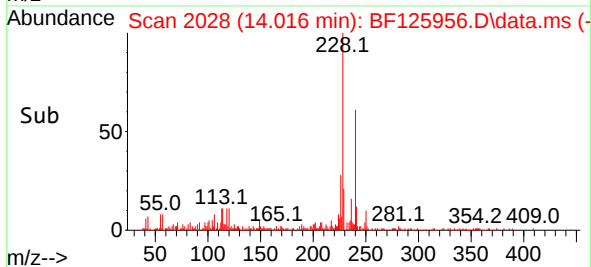
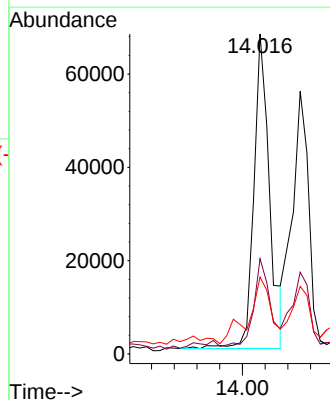
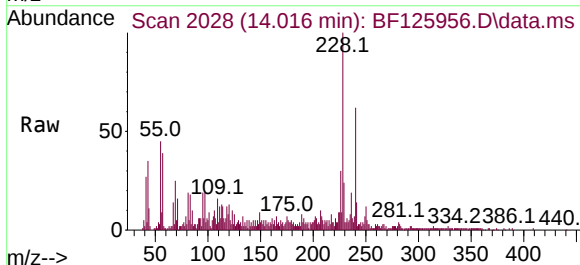
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102521

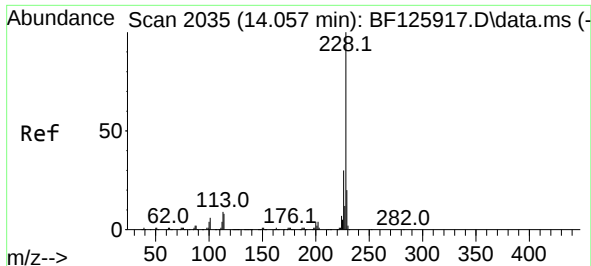
Tgt Ion:244 Resp: 646395
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 10.9 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 3.054 ng
 RT: 14.016 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF125956.D
 Acq: 27 Oct 2021 3:02

Tgt Ion:228 Resp: 64629
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.6 32.4
 229 24.0 15.6 23.4#

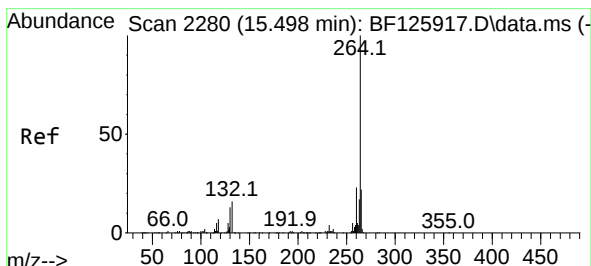
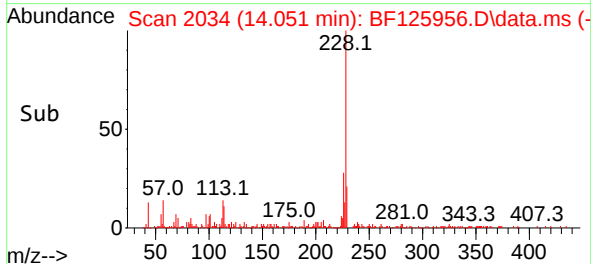
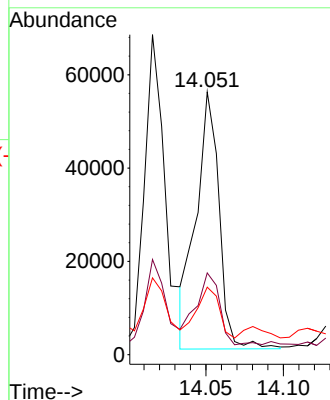
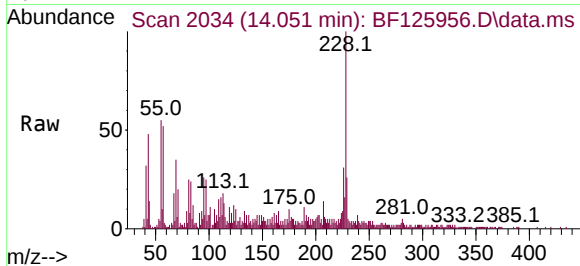




#83
Chrysene
Concen: 2.661 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

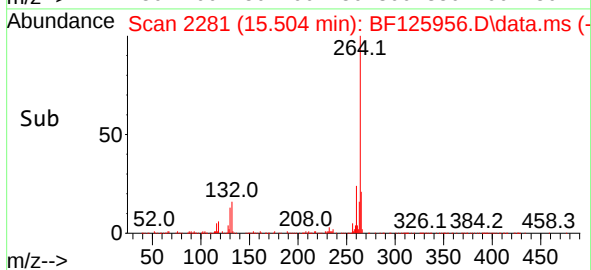
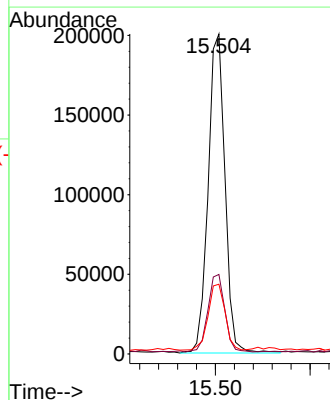
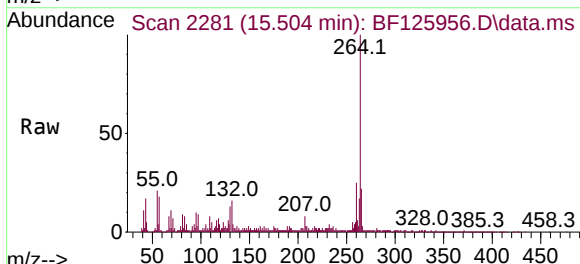
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

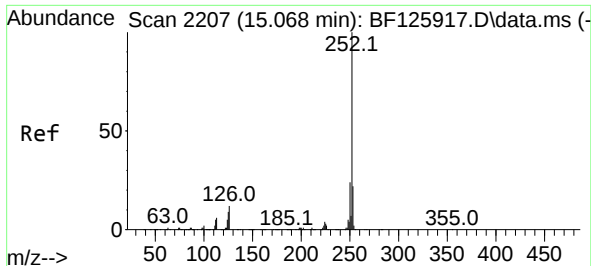
Tgt Ion:228	Resp:	56969
Ion Ratio	Lower	Upper
228	100	
226	31.2	22.6 34.0
229	25.7	15.9 23.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Tgt Ion:264	Resp:	246936
Ion Ratio	Lower	Upper
264	100	
260	24.9	19.6 29.4
265	21.8	17.2 25.8

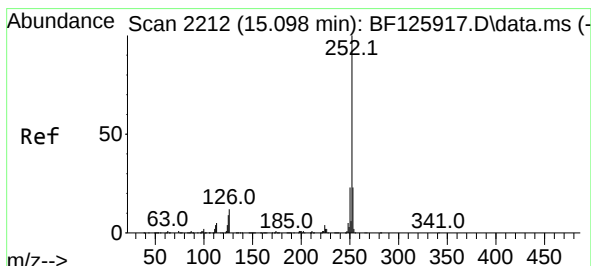
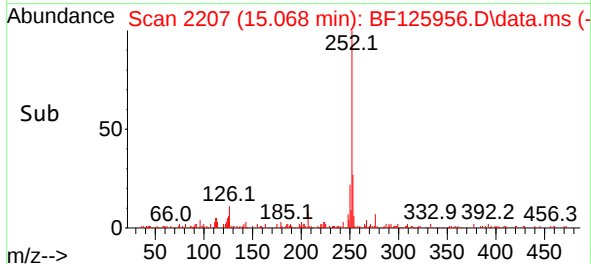
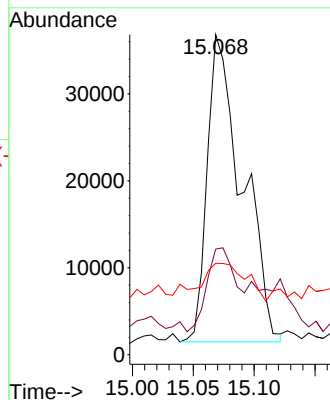
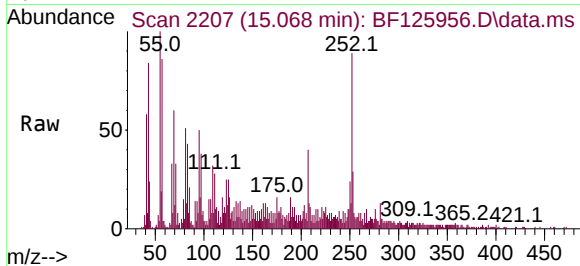




#88
Benzo(b)fluoranthene
Concen: 4.333 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

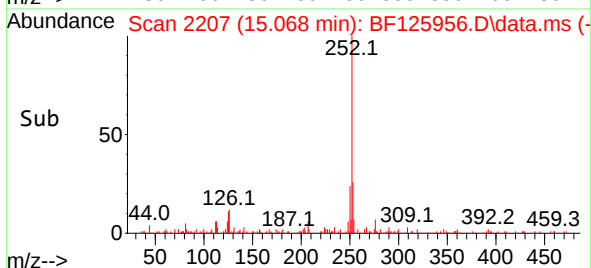
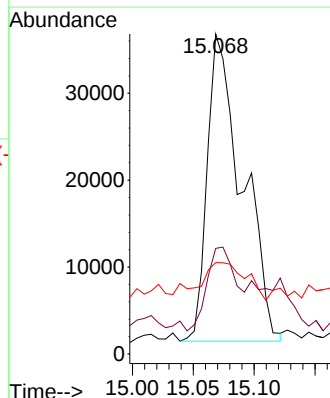
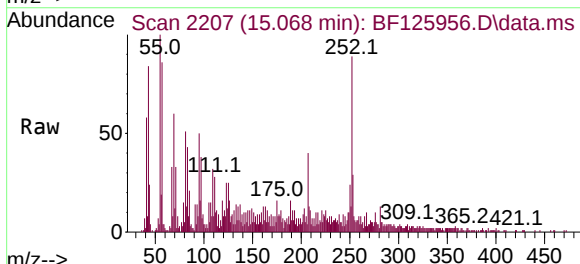
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

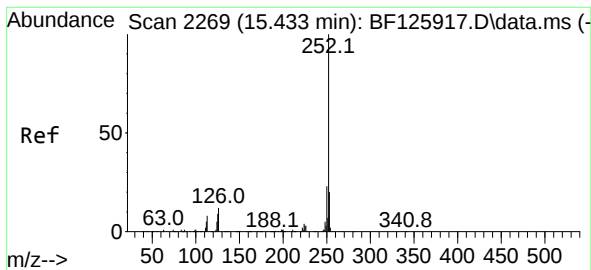
Tgt Ion:252	Resp:	70617
Ion Ratio	Lower	Upper
252	100	
253	33.0	16.8 25.2#
125	28.5	9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 4.510 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.029 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

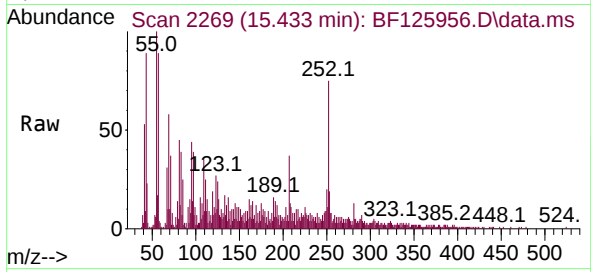
Tgt Ion:252	Resp:	70617
Ion Ratio	Lower	Upper
252	100	
253	33.0	17.8 26.8#
125	28.5	7.2 10.8#





#90
Benzo(a)pyrene
Concen: 2.928 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF125956.D
Acq: 27 Oct 2021 3:02

Instrument :
BNA_F
ClientSampleId :
CL-01-102521



Tgt Ion:	252	Resp:	38530
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.4	27.6
125	31.4	9.9	14.9#

