

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102621\
 Data File : BF125955.D
 Acq On : 27 Oct 2021 2:30
 Operator : JU/CG
 Sample : M4355-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-102521

Quant Time: Oct 27 09:05:54 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)

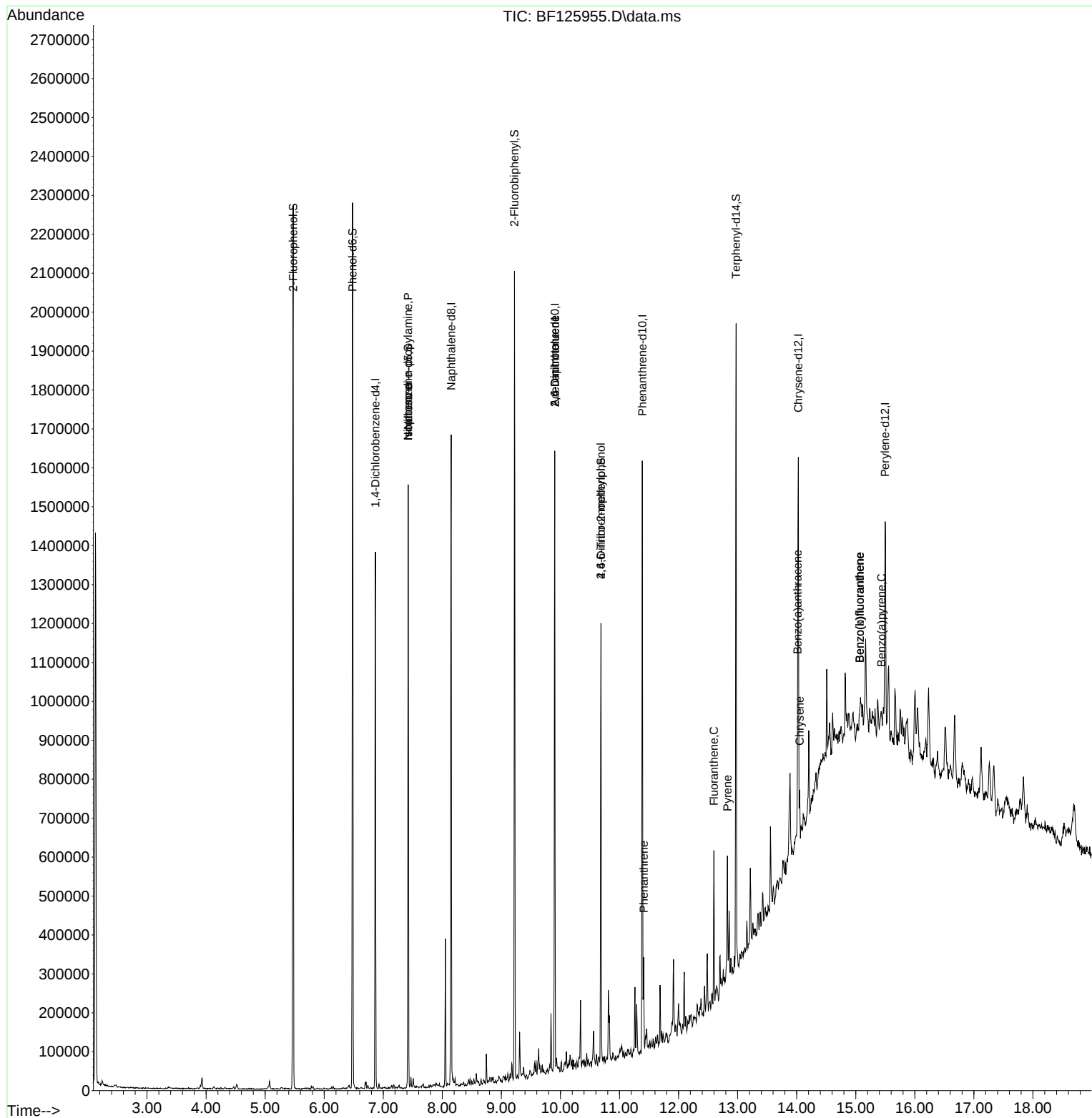
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	176457	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	643171	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	295193	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	511116	20.000	ng	0.00
76) Chrysene-d12	14.027	240	329388	20.000	ng	0.00
86) Perylene-d12	15.498	264	240308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	515573	43.521	ng	0.00
7) Phenol-d6	6.481	99	613361	37.749	ng	-0.01
23) Nitrobenzene-d5	7.422	82	376422	30.231	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	101000	39.249	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	569628	34.125	ng	-0.01
79) Terphenyl-d14	12.974	244	524090	26.026	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	50655	5.457	ng	# 68
25) Isophorone	7.422	82	375341	15.829	ng	# 59
51) 2,6-Dinitrotoluene	9.904	165	36734	10.185	ng	# 28
57) 2,4-Dinitrotoluene	9.904	165	36734	8.292	ng	# 20
58) Fluorene	10.445	166	5327	Below Cal		# 92
65) 4,6-Dinitro-2-methylph...	10.686	198	122	6.113	ng	# 1
71) Phenanthrene	11.410	178	76224	2.874	ng	98
75) Fluoranthene	12.598	202	135514	5.069	ng	97
78) Pyrene	12.827	202	120935	3.945	ng	95
81) Benzo(a)anthracene	14.015	228	48256	2.177	ng	# 95
83) Chrysene	14.051	228	50231	2.239	ng	# 94
88) Benzo(b)fluoranthene	15.068	252	59457	3.748	ng	# 66
89) Benzo(k)fluoranthene	15.068	252	59457	3.902	ng	# 66
90) Benzo(a)pyrene	15.433	252	29370	2.294	ng	# 73

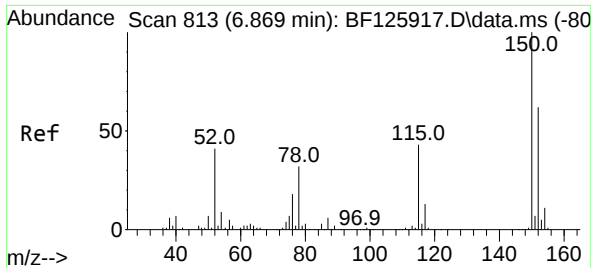
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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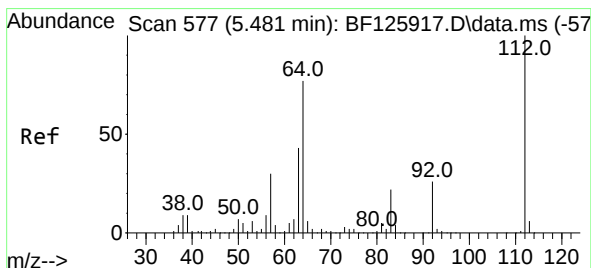
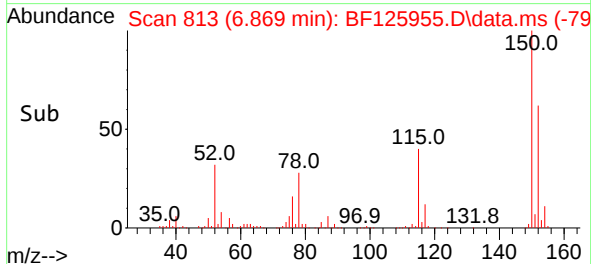
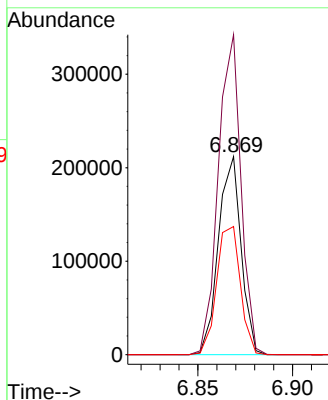
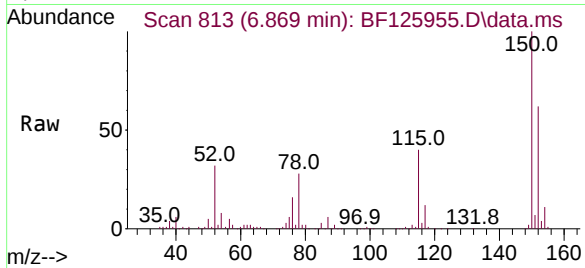




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

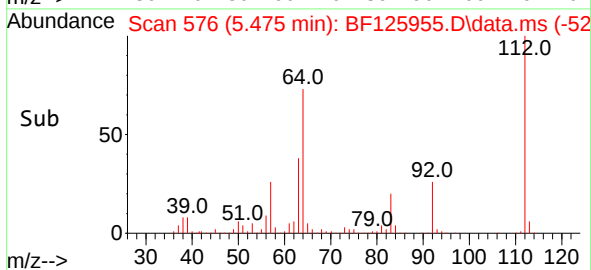
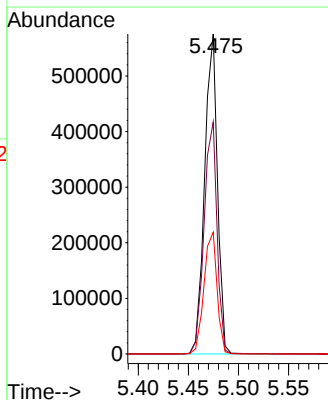
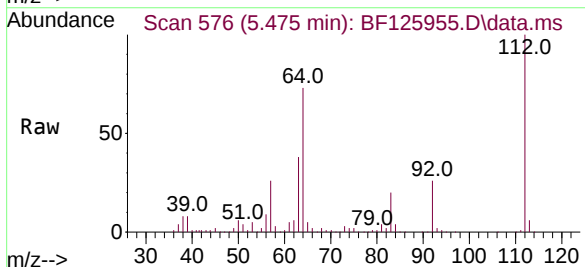
Instrument :
BNA_F
ClientSampleId :
OK-2-102521

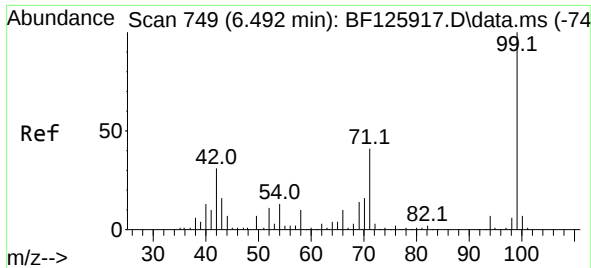
Tgt Ion:152 Resp: 176457
Ion Ratio Lower Upper
152 100
150 161.6 117.6 176.4
115 64.7 47.1 70.7



#5
2-Fluorophenol
Concen: 43.521 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

Tgt Ion:112 Resp: 515573
Ion Ratio Lower Upper
112 100
64 72.5 44.2 66.2#
63 38.1 26.2 39.2

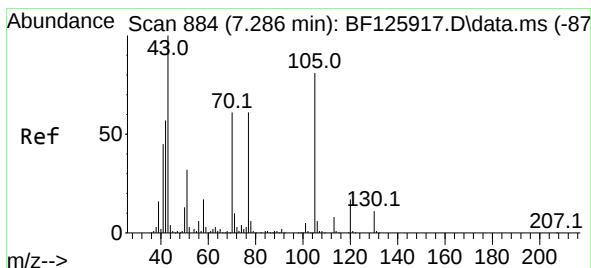
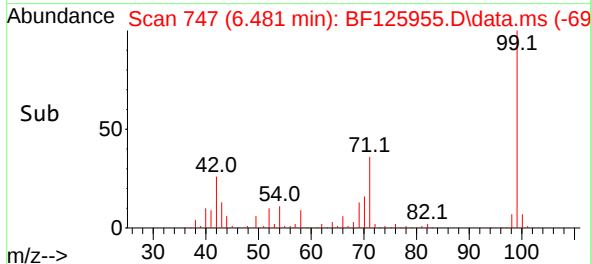
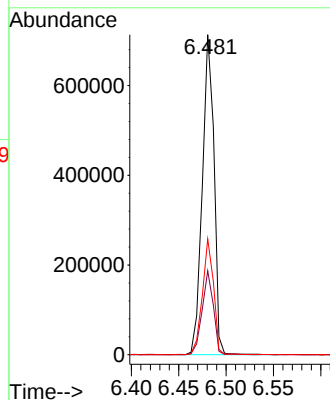
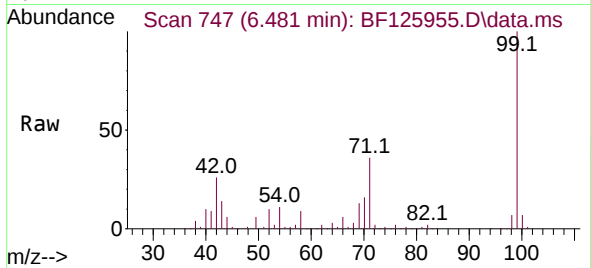




#7
Phenol-d6
Concen: 37.749 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

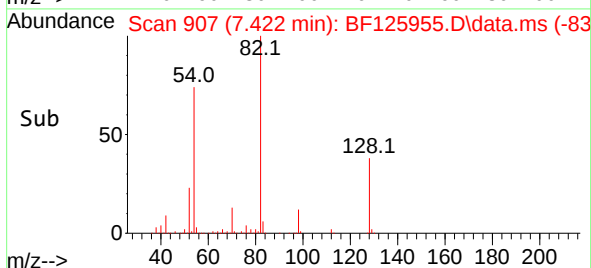
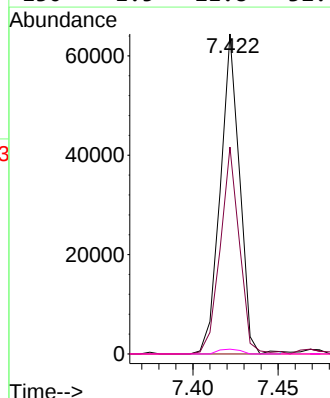
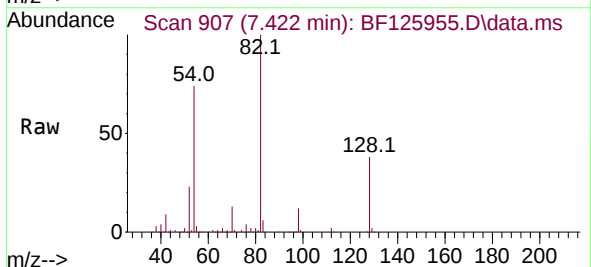
Instrument :
BNA_F
ClientSampleId :
OK-2-102521

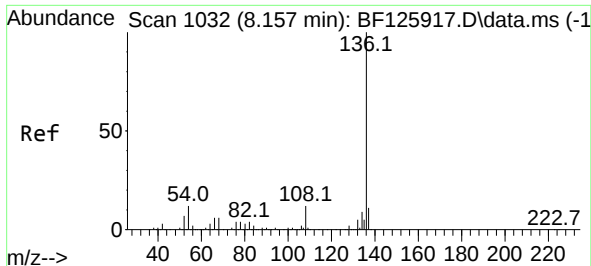
Tgt Ion:	99	Resp:	613361
Ion	Ratio	Lower	Upper
99	100		
42	26.2	23.5	35.3
71	36.1	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.457 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

Tgt Ion:	70	Resp:	50655
Ion	Ratio	Lower	Upper
70	100		
42	64.7	72.2	108.2#
101	0.0	7.8	11.8#
130	1.5	21.8	32.6#

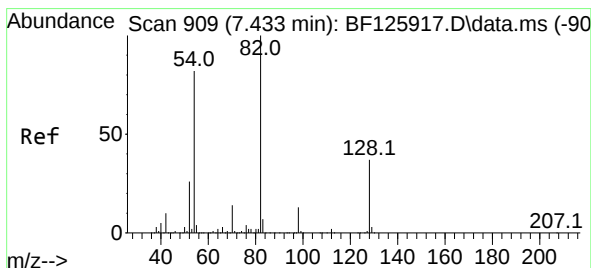
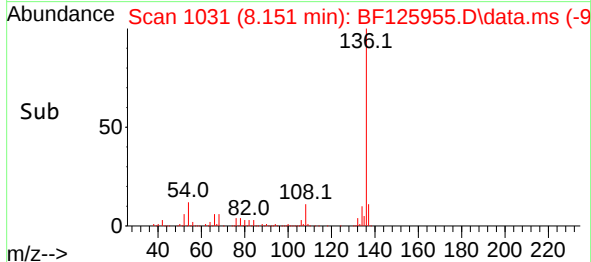
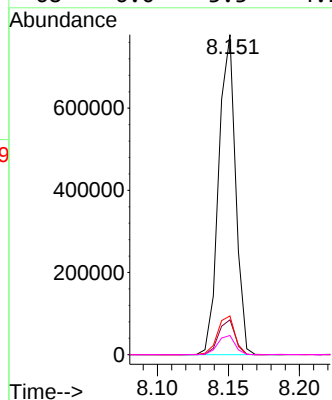
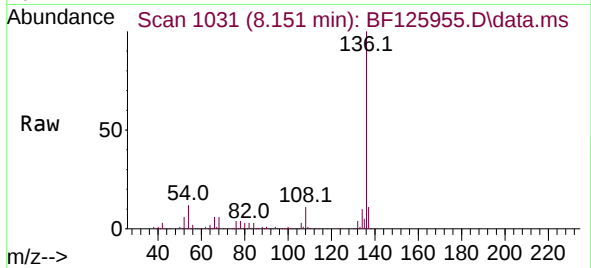




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

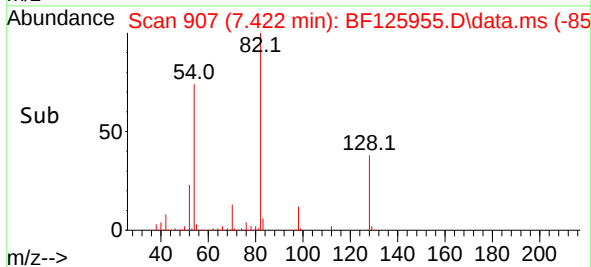
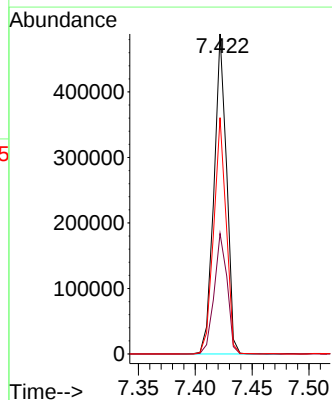
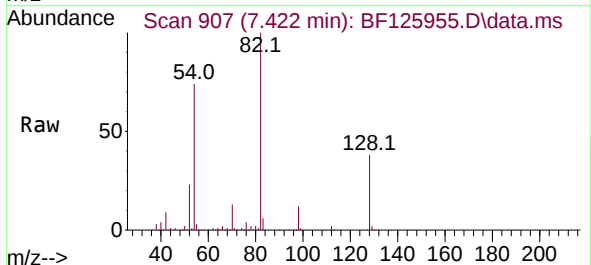
Instrument :
BNA_F
ClientSampleId :
OK-2-102521

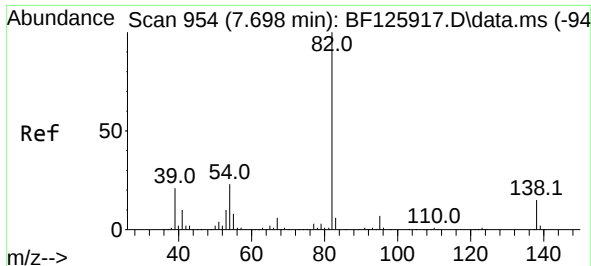
Tgt Ion:136	Resp: 643171
Ion Ratio	Lower Upper
136 100	
137 10.9	9.8 14.6
54 12.1	6.4 9.6#
68 6.0	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 30.231 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

Tgt Ion: 82	Resp: 376422
Ion Ratio	Lower Upper
82 100	
128 37.7	40.6 60.8#
54 73.8	49.6 74.4

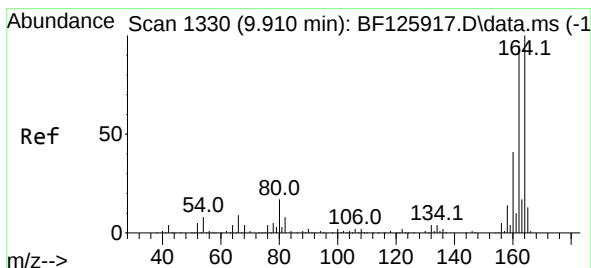
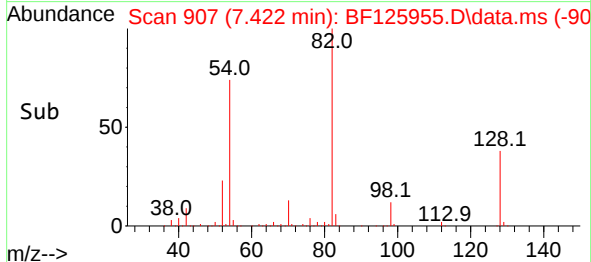
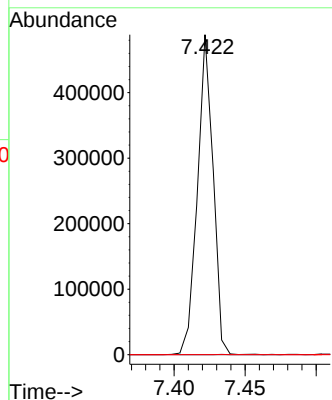
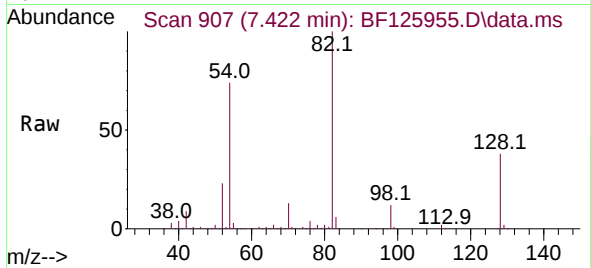




#25
Isophorone
Concen: 15.829 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.276 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

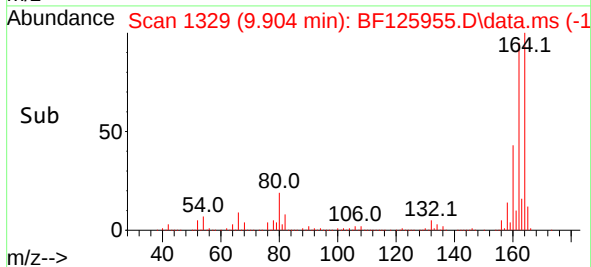
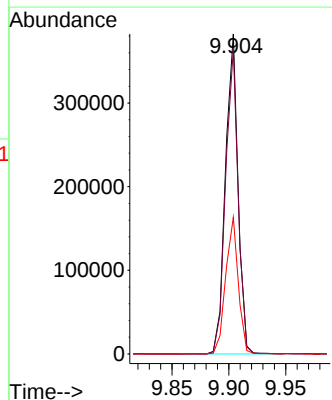
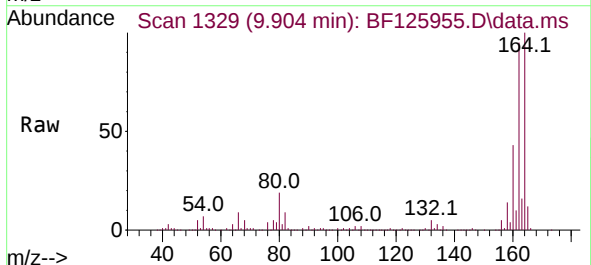
Instrument :
BNA_F
ClientSampleId :
OK-2-102521

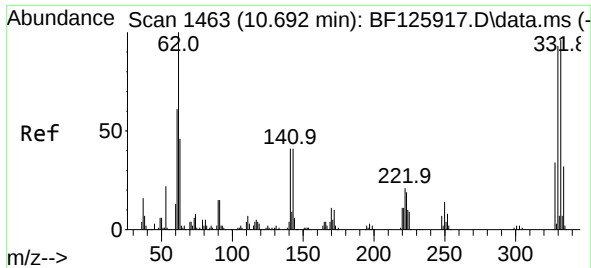
Tgt Ion: 82 Resp: 375341
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

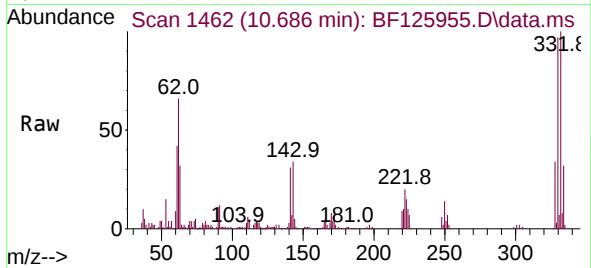
Tgt Ion: 164 Resp: 295193
Ion Ratio Lower Upper
164 100
162 95.3 81.3 121.9
160 42.7 38.0 57.0



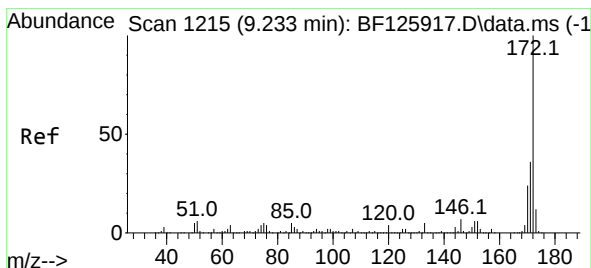
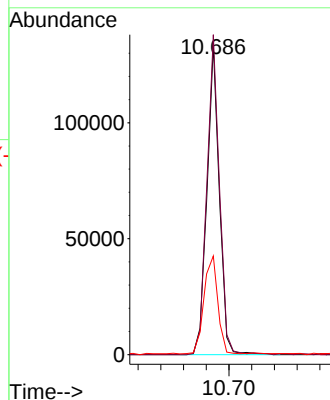
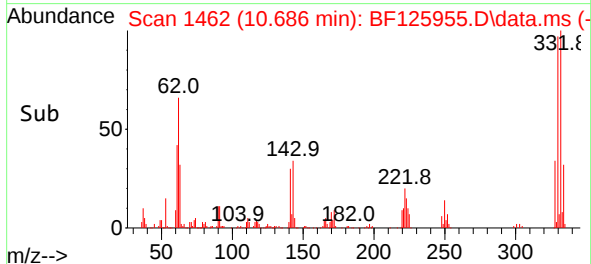


#42
2,4,6-Tribromophenol
Concen: 39.249 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

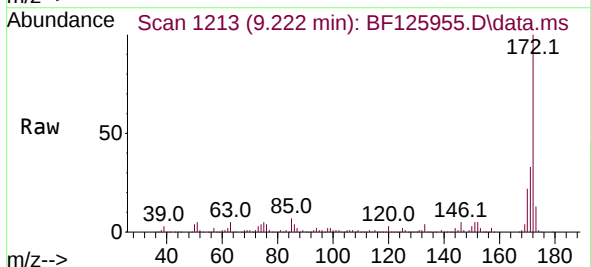
Instrument :
BNA_F
ClientSampleId :
OK-2-102521



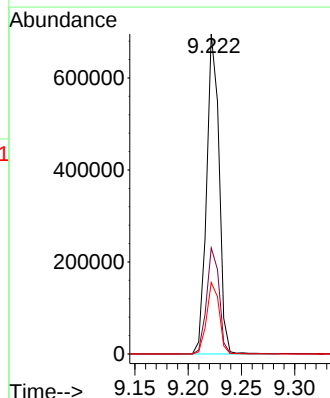
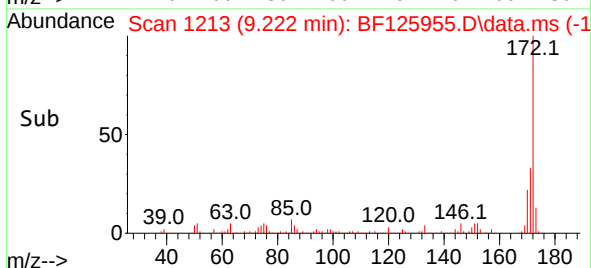
Tgt Ion:330 Resp: 101000
Ion Ratio Lower Upper
330 100
332 105.1 76.2 114.4
141 35.3 44.6 66.8#

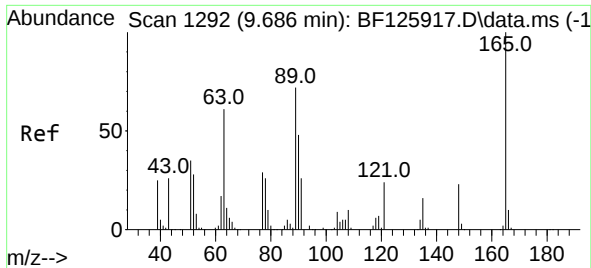


#45
2-Fluorobiphenyl
Concen: 34.125 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30



Tgt Ion:172 Resp: 569628
Ion Ratio Lower Upper
172 100
171 33.1 26.5 39.7
170 22.3 18.8 28.2

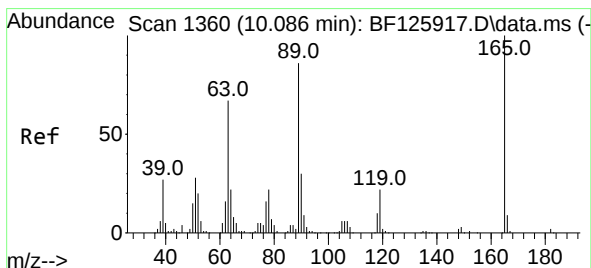
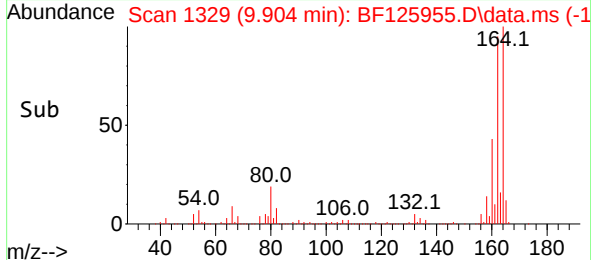
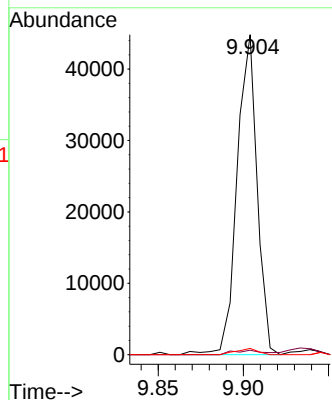
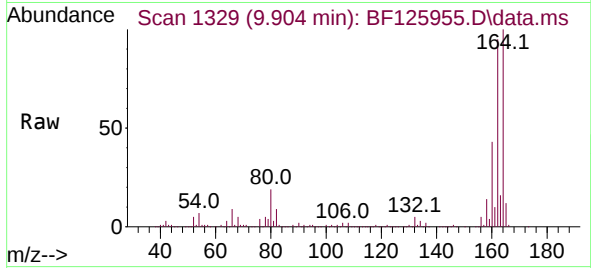




#51
2,6-Dinitrotoluene
Concen: 10.185 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.218 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

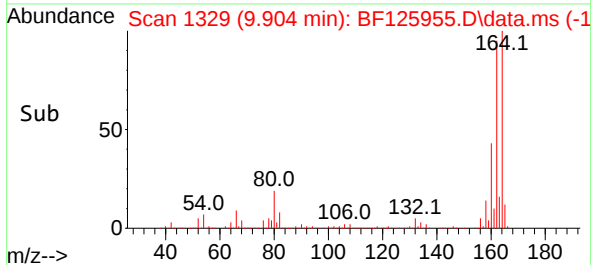
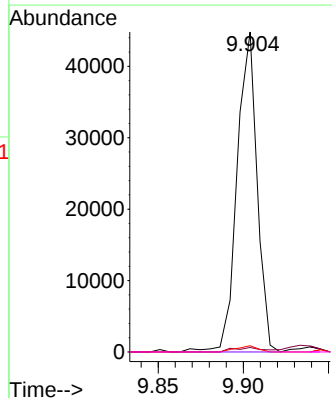
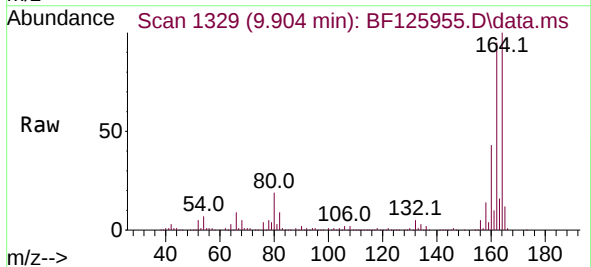
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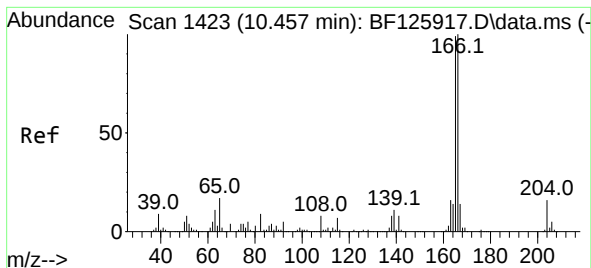
Tgt Ion:165 Resp: 36734
Ion Ratio Lower Upper
165 100
63 1.4 42.6 63.8#
89 2.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 8.292 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.182 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

Tgt Ion:165 Resp: 36734
Ion Ratio Lower Upper
165 100
63 1.4 40.9 61.3#
89 2.0 59.7 89.5#
182 0.0 0.0 0.0

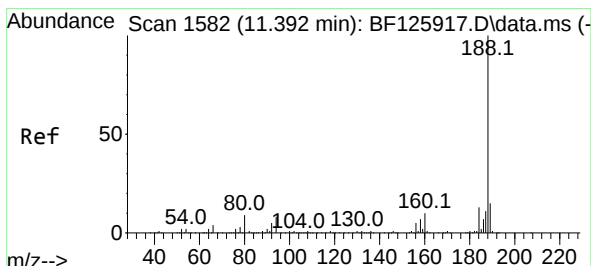
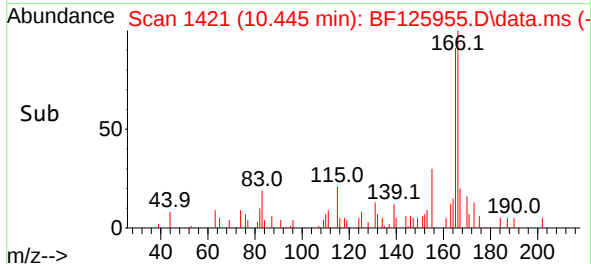
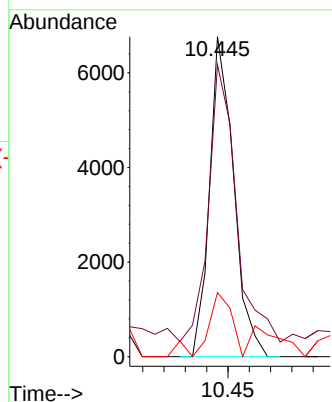
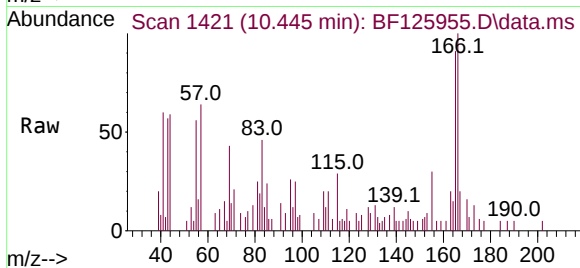




#58
Fluorene
Concen: Below Cal
RT: 10.445 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

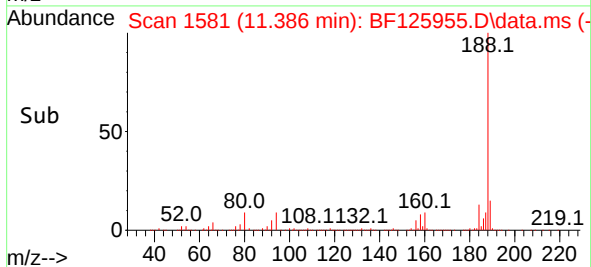
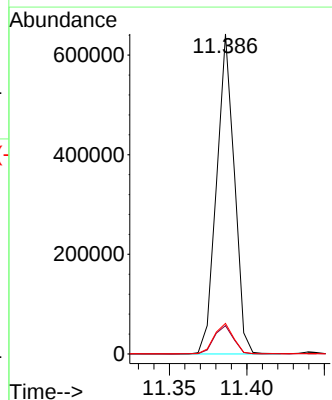
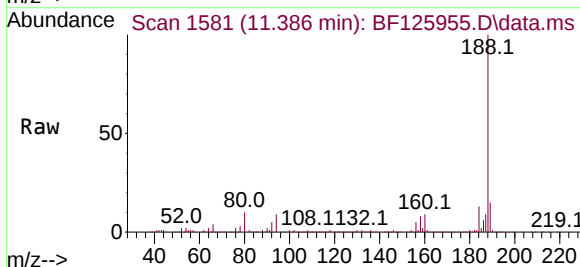
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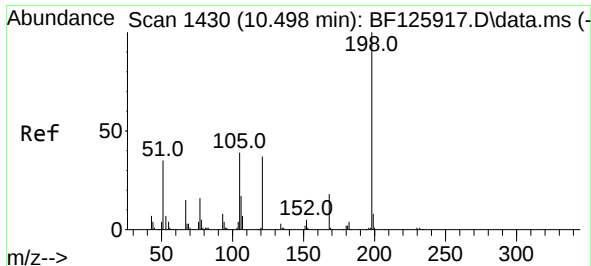
Tgt Ion:166 Resp: 5327
Ion Ratio Lower Upper
166 100
165 91.3 78.1 117.1
167 20.1 11.1 16.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

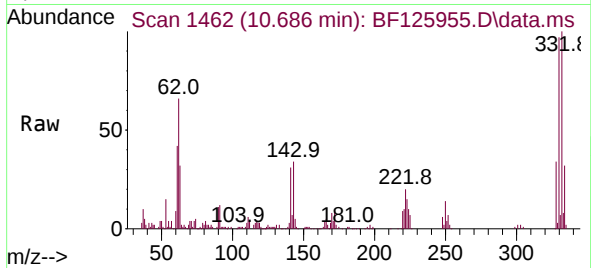
Tgt Ion:188 Resp: 511116
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 9.5 7.5 11.3



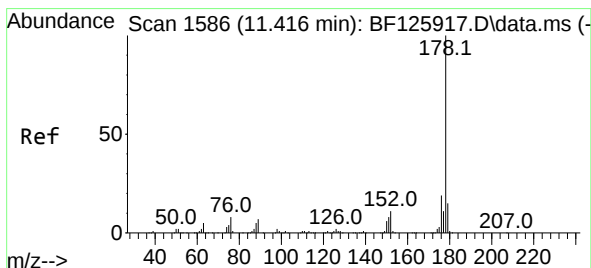
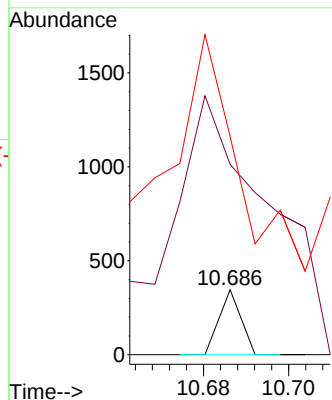
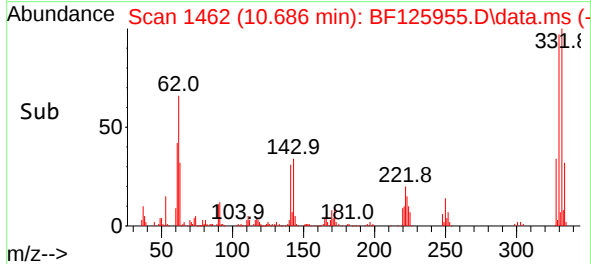


#65
4,6-Dinitro-2-methylphenol
Concen: 6.113 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

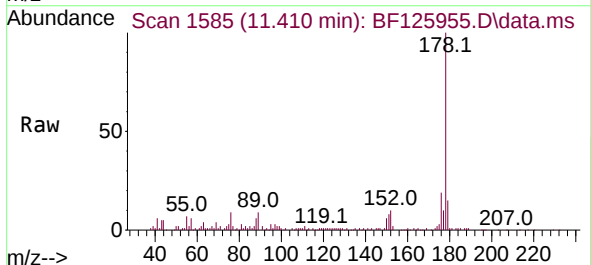
Instrument :
BNA_F
ClientSampleId :
OK-2-102521



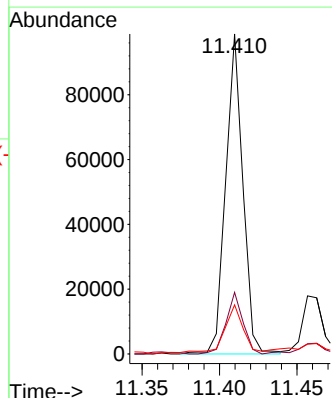
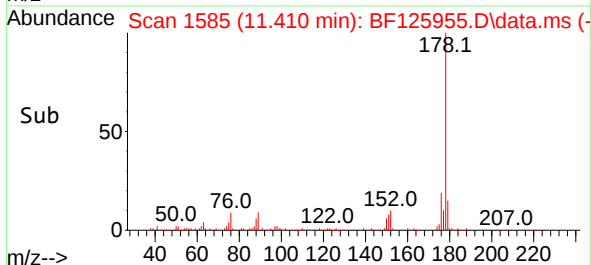
Tgt Ion:198 Resp: 122
Ion Ratio Lower Upper
198 100
51 292.8 45.3 85.3#
105 335.8 30.6 70.6#

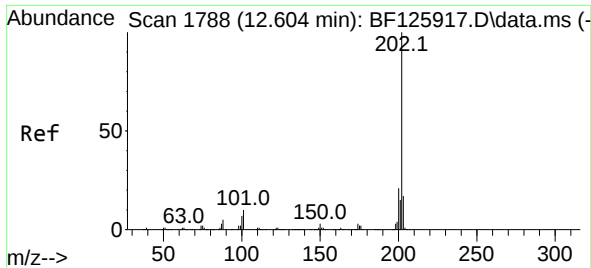


#71
Phenanthrene
Concen: 2.874 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30



Tgt Ion:178 Resp: 76224
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 15.4 11.5 17.3

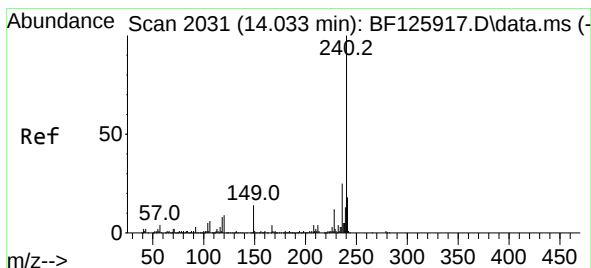
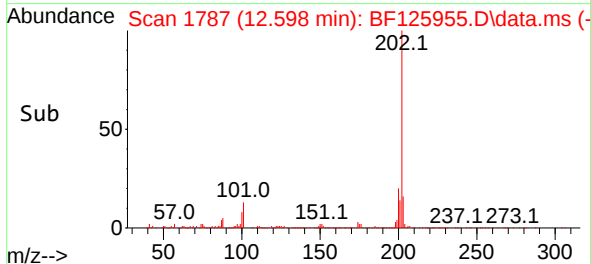
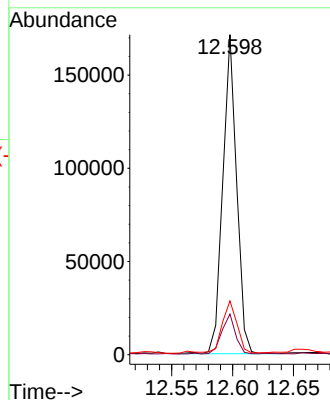
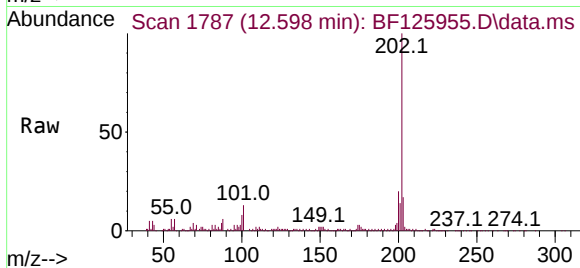




#75
Fluoranthene
Concen: 5.069 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

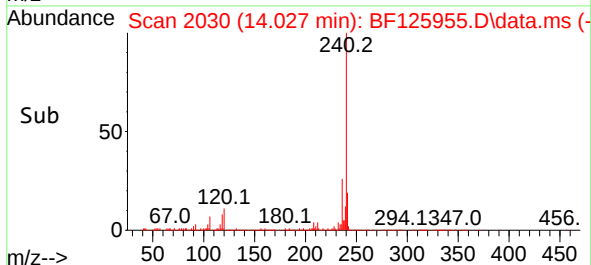
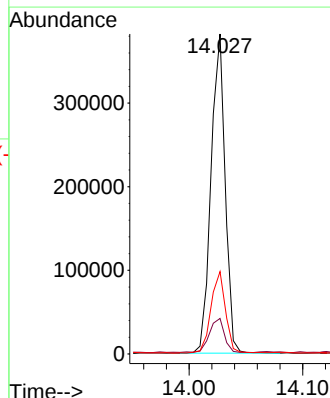
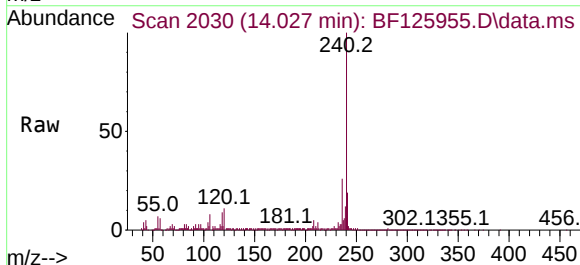
Instrument :
BNA_F
ClientSampleId :
OK-2-102521

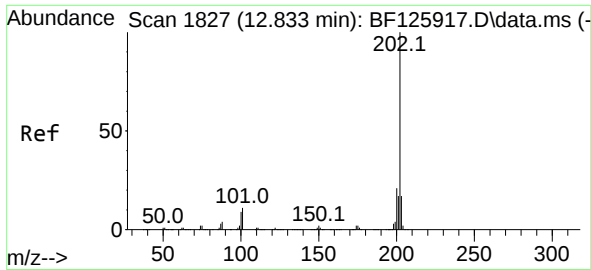
Tgt Ion:	202	Resp:	135514
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	30.7
203	16.8	0.0	36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

Tgt Ion:	240	Resp:	329388
Ion Ratio	Lower	Upper	
240	100		
120	11.1	10.8	16.2
236	25.7	21.6	32.4

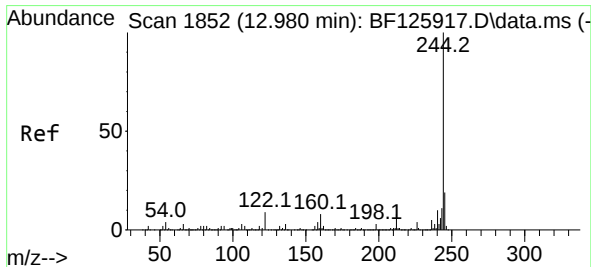
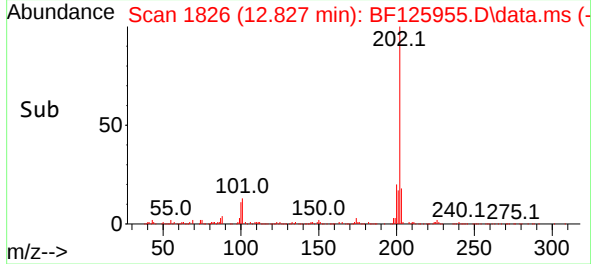
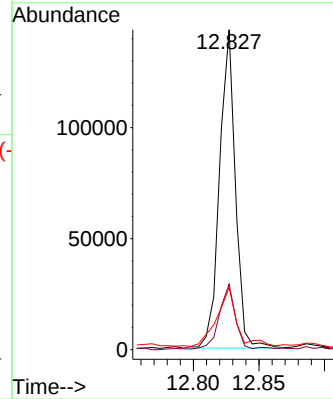
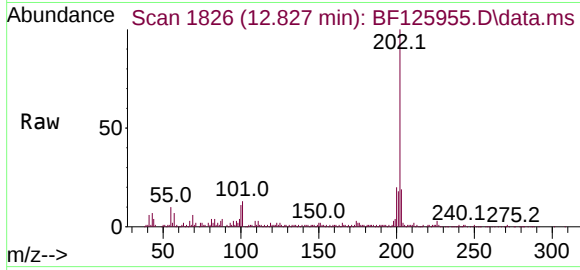




#78
Pyrene
Concen: 3.945 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

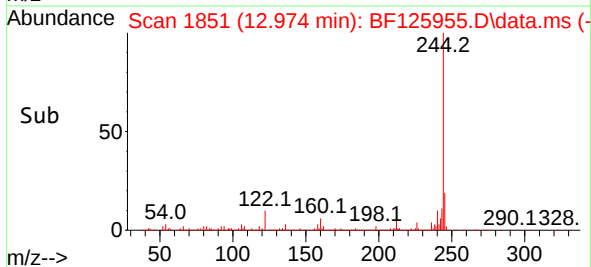
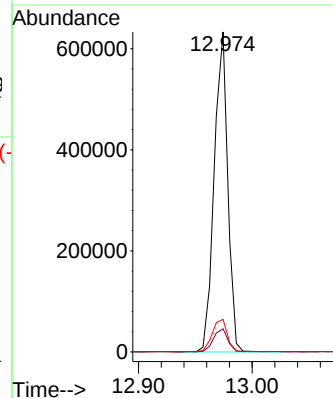
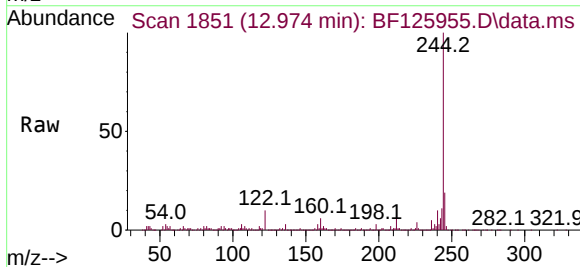
Instrument :
BNA_F
ClientSampleId :
OK-2-102521

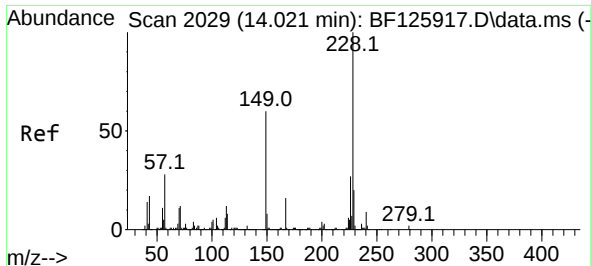
Tgt Ion:202	Resp:	120935
Ion Ratio	Lower	Upper
202	100	
200	20.5	15.3 22.9
203	19.4	13.4 20.0



#79
Terphenyl-d14
Concen: 26.026 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

Tgt Ion:244	Resp:	524090
Ion Ratio	Lower	Upper
244	100	
212	7.3	5.9 8.9
122	10.2	9.0 13.4

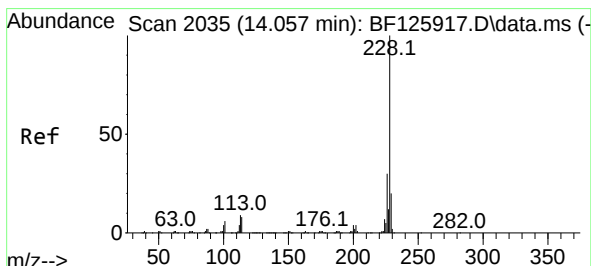
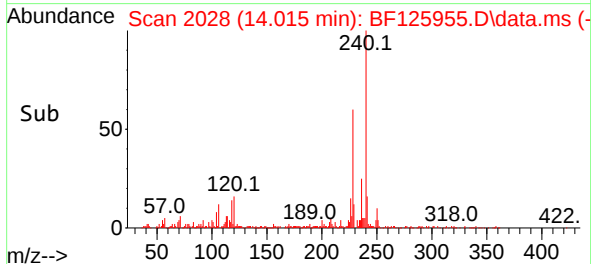
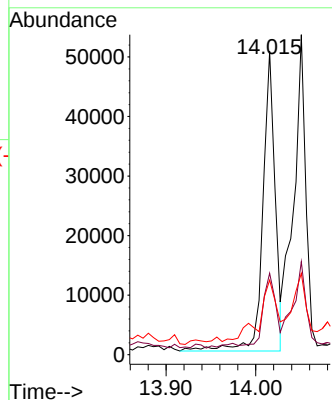
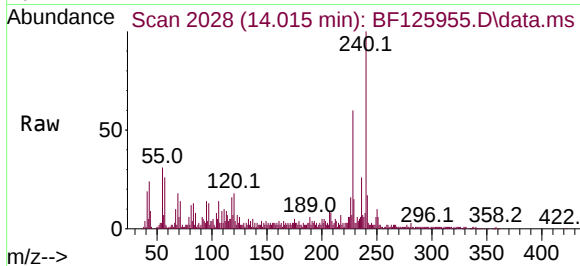




#81
Benzo(a)anthracene
Concen: 2.177 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

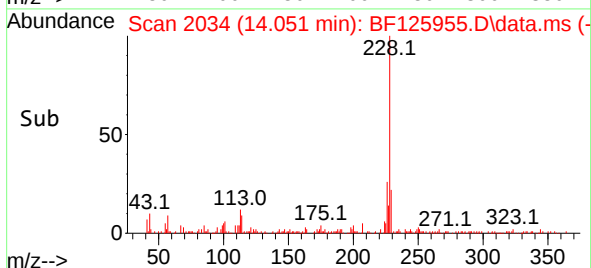
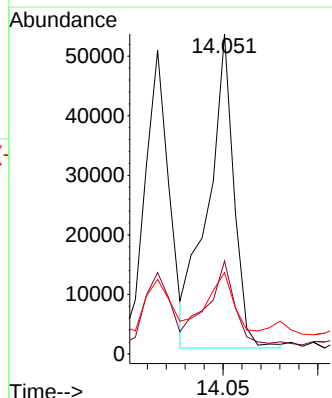
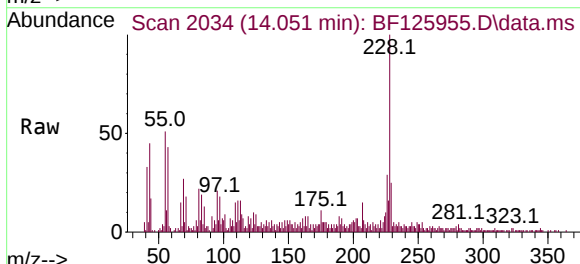
Instrument :
BNA_F
ClientSampleId :
OK-2-102521

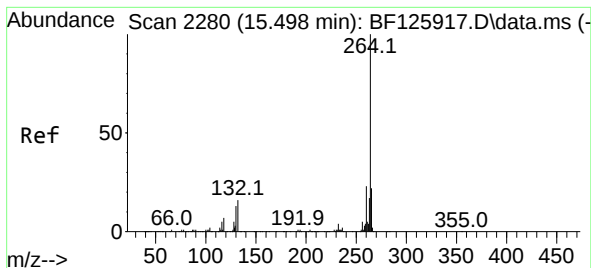
Tgt Ion:228 Resp: 48256
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 24.5 15.6 23.4#



#83
Chrysene
Concen: 2.239 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

Tgt Ion:228 Resp: 50231
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 25.4 15.9 23.9#

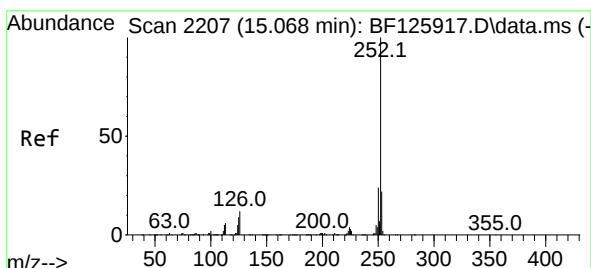
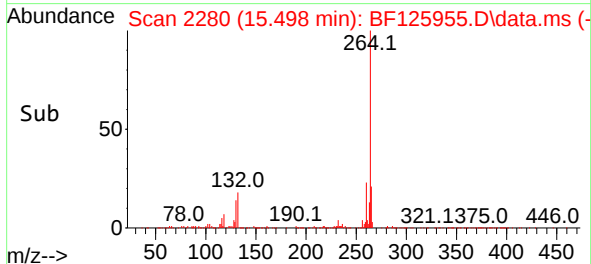
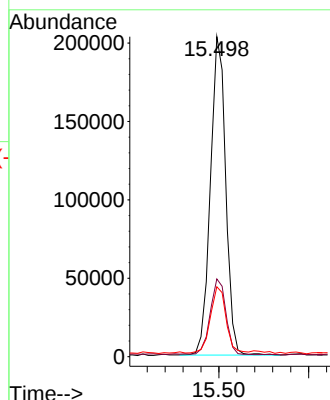
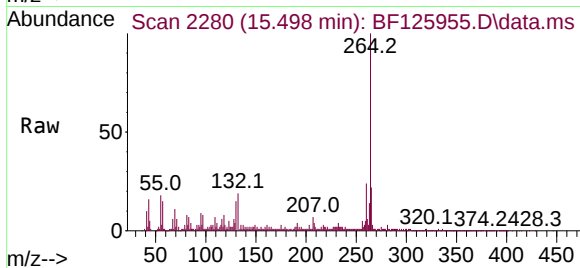




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

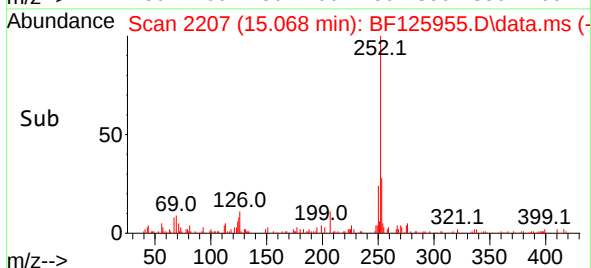
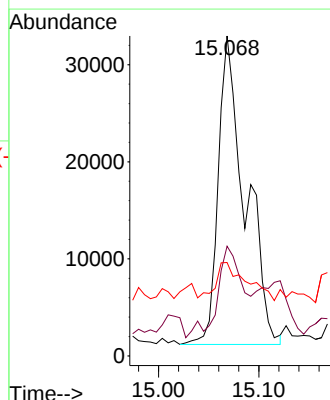
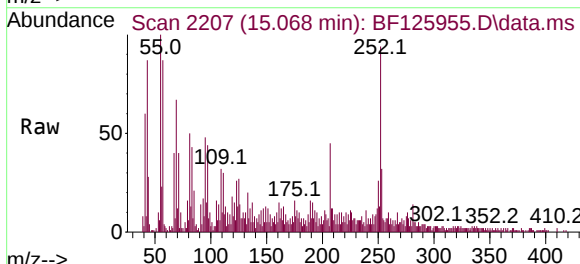
Instrument :
BNA_F
ClientSampleId :
OK-2-102521

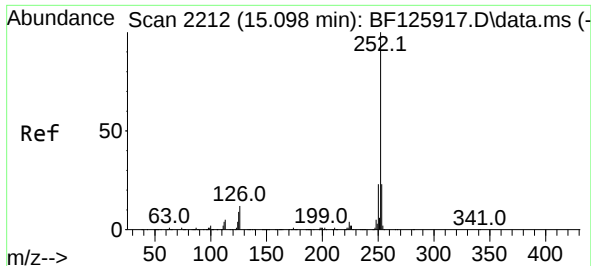
Tgt Ion:264	Resp:	240308
Ion Ratio	Lower	Upper
264	100	
260	24.3	19.6 29.4
265	21.8	17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 3.748 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF125955.D
Acq: 27 Oct 2021 2:30

Tgt Ion:252	Resp:	59457
Ion Ratio	Lower	Upper
252	100	
253	34.3	16.8 25.2#
125	29.2	9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 3.902 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF125955.D

Acq: 27 Oct 2021 2:30

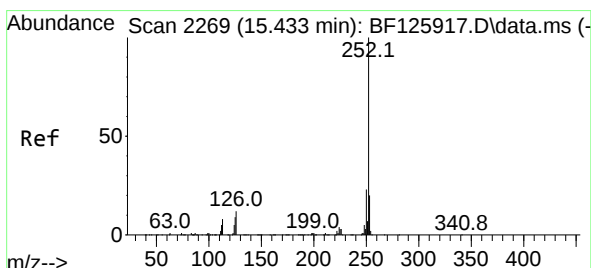
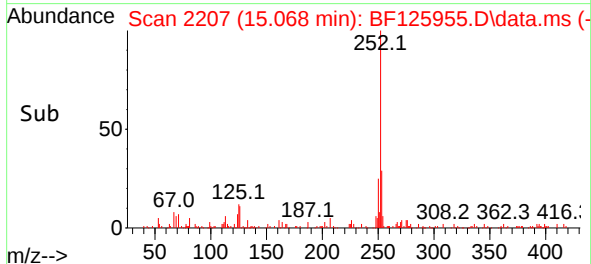
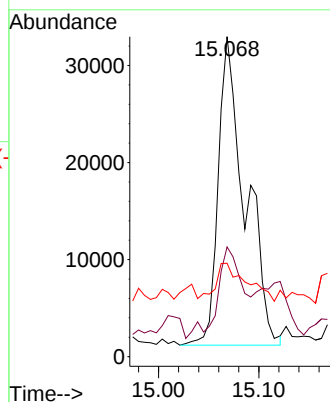
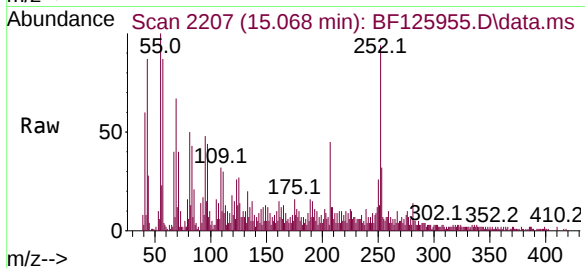
Instrument :

BNA_F

ClientSampleId :

OK-2-102521

Tgt Ion:	252	Resp:	59457
Ion Ratio	Lower	Upper	
252	100		
253	34.3	17.8	26.8#
125	29.2	7.2	10.8#



#90

Benzo(a)pyrene

Concen: 2.294 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BF125955.D

Acq: 27 Oct 2021 2:30

Tgt Ion:	252	Resp:	29370
Ion Ratio	Lower	Upper	
252	100		
253	30.3	18.4	27.6#
125	32.2	9.9	14.9#

