

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102621\
 Data File : BF125948.D
 Acq On : 26 Oct 2021 22:47
 Operator : JU/CG
 Sample : M4340-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TH-EES

Quant Time: Oct 27 09:04:40 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)

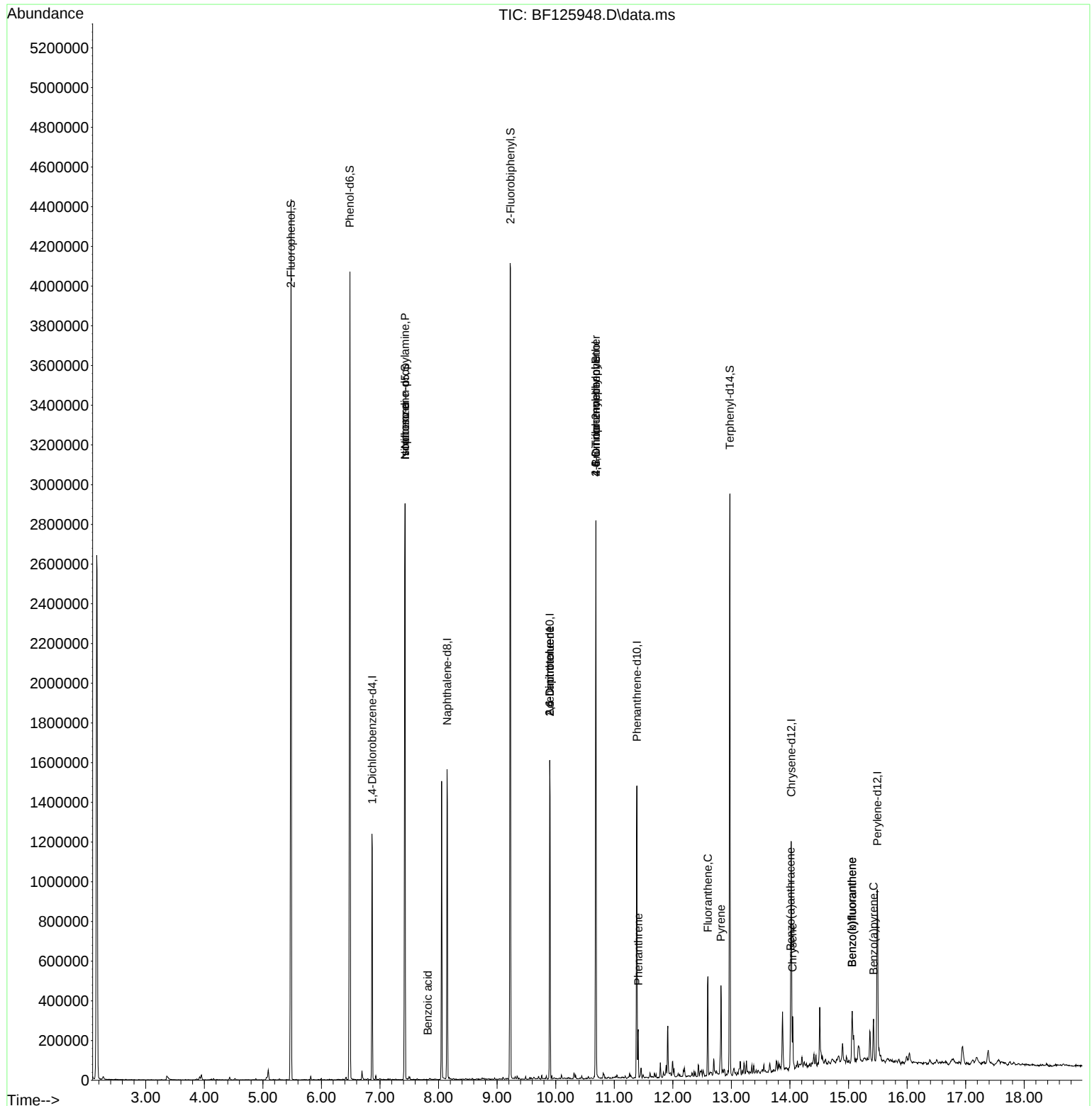
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	162408	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	638654	20.000	ng	#-0.01
39) Acenaphthene-d10	9.898	164	334641	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	517761	20.000	ng	0.00
76) Chrysene-d12	14.021	240	322290	20.000	ng	-0.01
86) Perylene-d12	15.492	264	379407	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1026095	94.108	ng	0.00
7) Phenol-d6	6.487	99	1272358	85.080	ng	0.00
23) Nitrobenzene-d5	7.428	82	849953	68.743	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	259500	88.955	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1268941	67.058	ng	0.00
79) Terphenyl-d14	12.974	244	936855	47.549	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	115231	13.486	ng	# 65
25) Isophorone	7.428	82	849760	36.090	ng	# 59
32) Benzoic acid	7.816	122	151	4.191	ng	# 1
51) 2,6-Dinitrotoluene	9.898	165	40436	9.890	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	40436	8.052	ng	# 20
58) Fluorene	10.451	166	4058	Below Cal	#	80
65) 4,6-Dinitro-2-methylph...	10.686	198	676	6.325	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	18359	3.319	ng	# 1
71) Phenanthrene	11.410	178	88197	3.283	ng	100
75) Fluoranthene	12.598	202	194995	7.200	ng	98
78) Pyrene	12.822	202	176291	5.878	ng	98
81) Benzo(a)anthracene	14.010	228	86396	3.983	ng	94
83) Chrysene	14.045	228	94068	4.286	ng	95
88) Benzo(b)fluoranthene	15.063	252	183964	7.346	ng	98
89) Benzo(k)fluoranthene	15.063	252	183964	7.648	ng	97
90) Benzo(a)pyrene	15.427	252	96718	4.784	ng	97

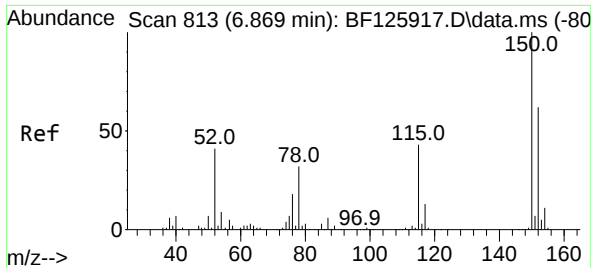
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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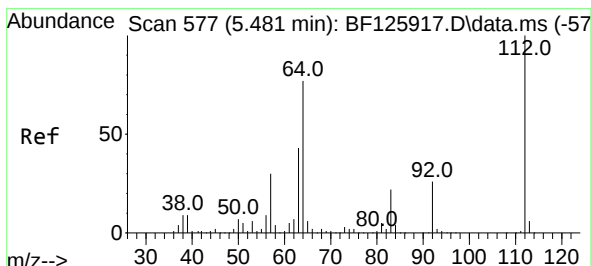
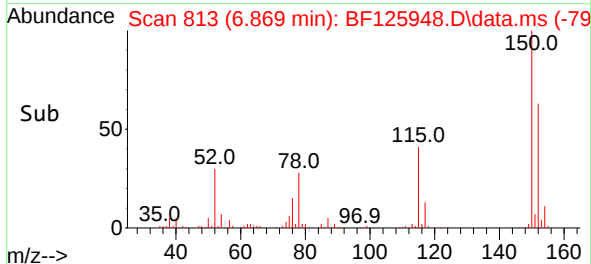
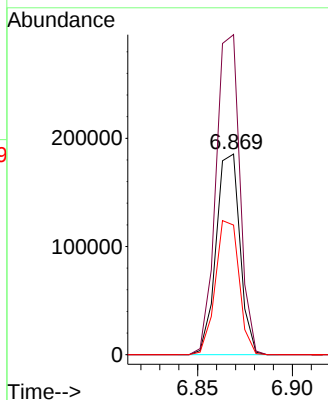
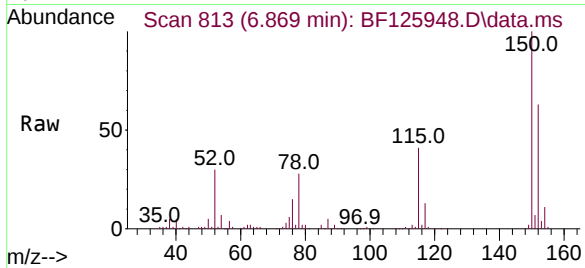




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

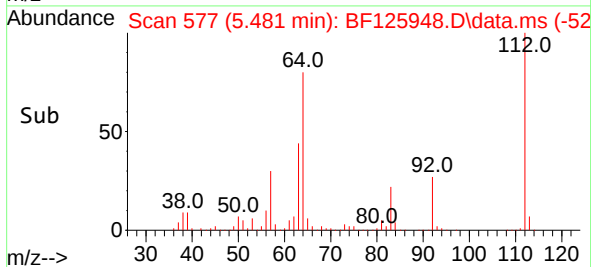
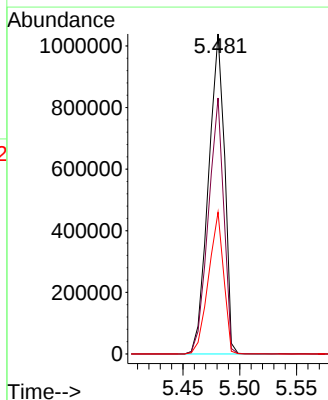
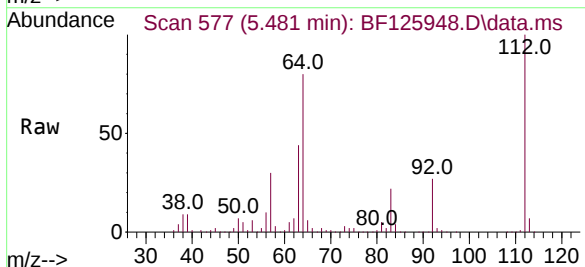
Instrument :
BNA_F
ClientSampled :
TH-EES

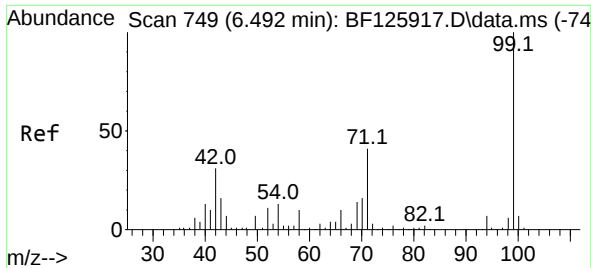
Tgt Ion:152 Resp: 162408
Ion Ratio Lower Upper
152 100
150 159.5 117.6 176.4
115 64.6 47.1 70.7



#5
2-Fluorophenol
Concen: 94.108 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion:112 Resp: 1026095
Ion Ratio Lower Upper
112 100
64 80.0 44.2 66.2#
63 44.3 26.2 39.2#

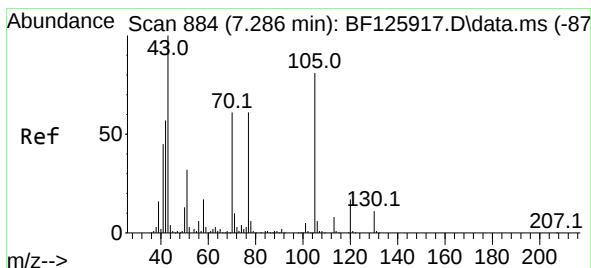
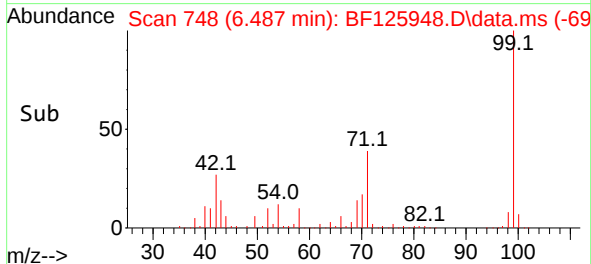
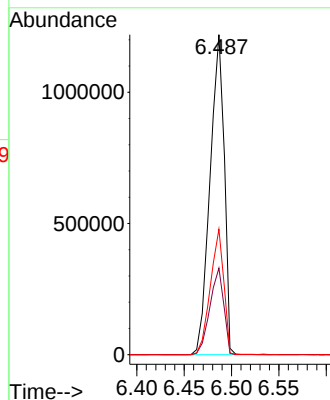
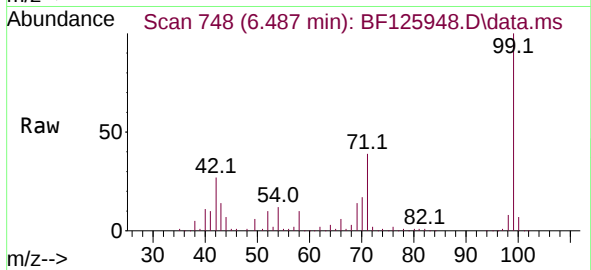




#7
Phenol-d6
Concen: 85.080 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

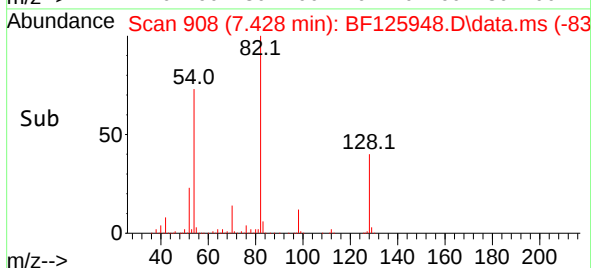
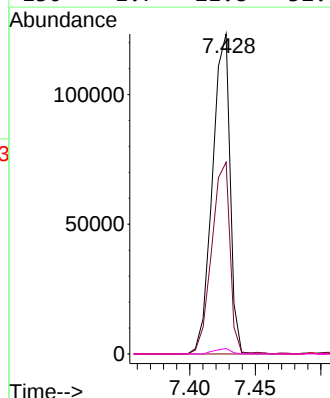
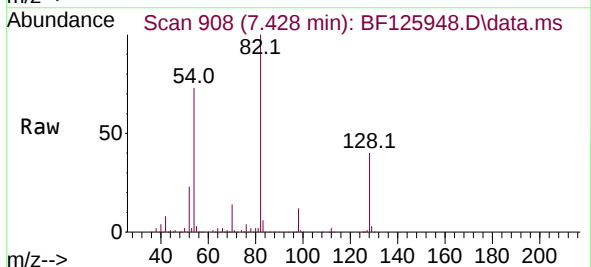
Instrument :
BNA_F
ClientSampled :
TH-EES

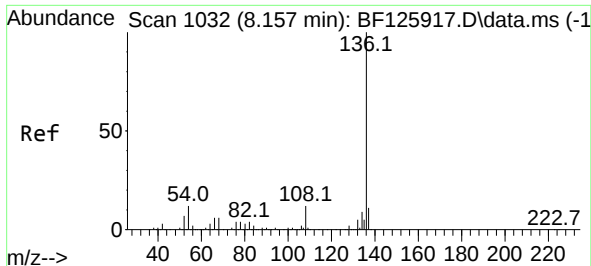
Tgt Ion: 99 Resp: 1272358
Ion Ratio Lower Upper
99 100
42 27.1 23.5 35.3
71 39.2 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 13.486 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion: 70 Resp: 115231
Ion Ratio Lower Upper
70 100
42 59.9 72.2 108.2#
101 0.0 7.8 11.8#
130 1.7 21.8 32.6#

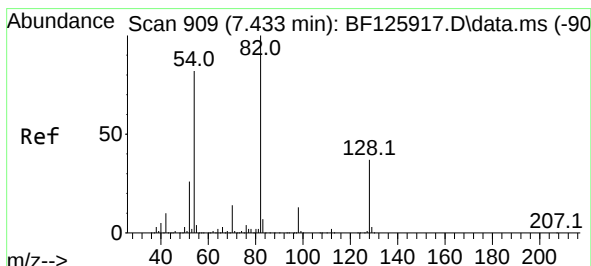
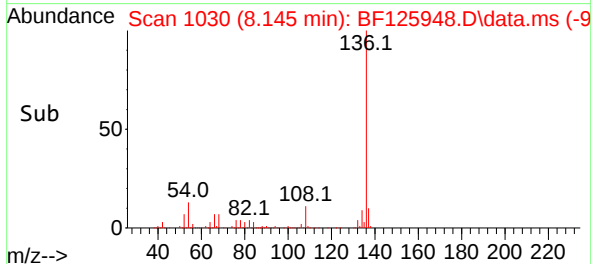
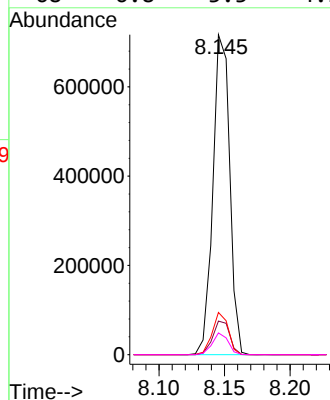
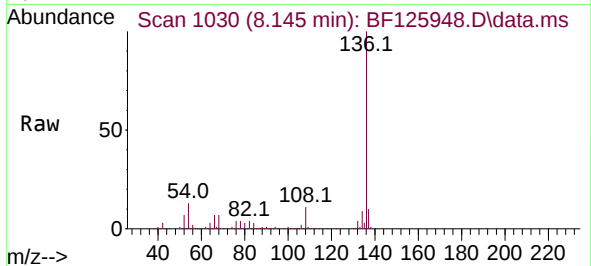




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

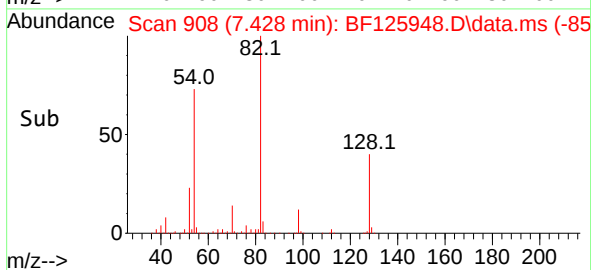
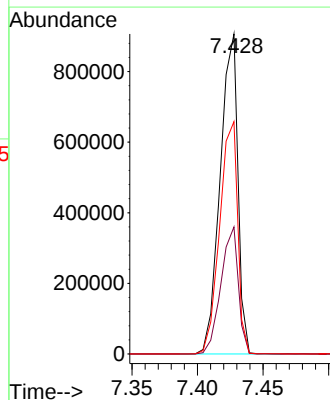
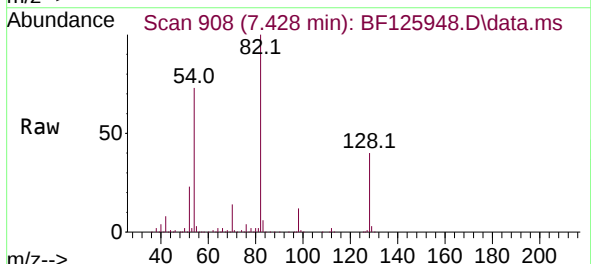
Instrument :
BNA_F
ClientSampled :
TH-EES

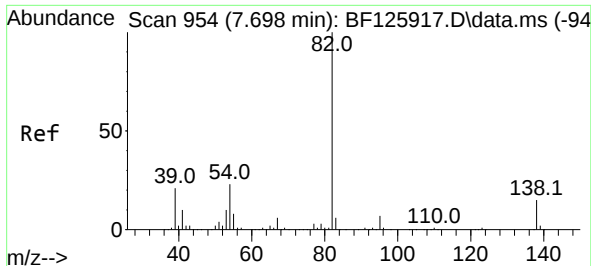
Tgt Ion:136	Resp: 638654
Ion Ratio	Lower Upper
136 100	
137 10.5	9.8 14.6
54 13.2	6.4 9.6#
68 6.8	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 68.743 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion: 82	Resp: 849953
Ion Ratio	Lower Upper
82 100	
128 39.7	40.6 60.8#
54 72.6	49.6 74.4

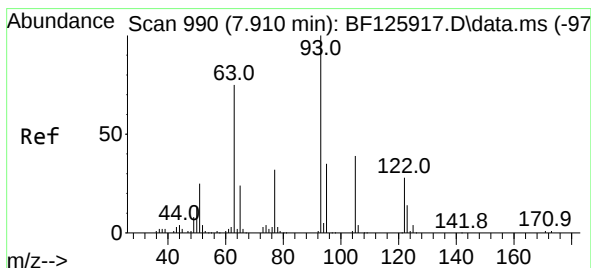
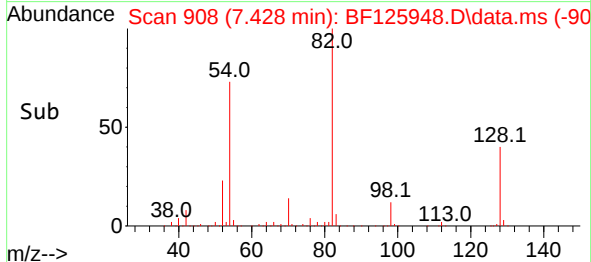
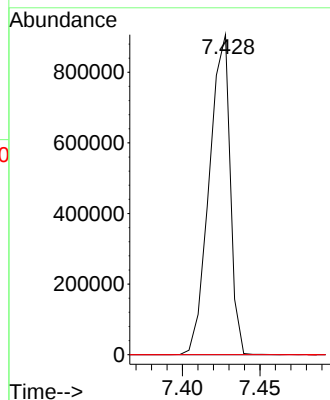
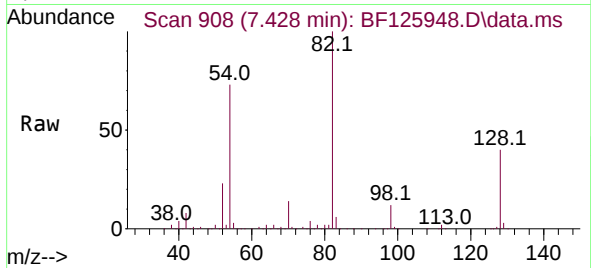




#25
Isophorone
Concen: 36.090 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.270 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

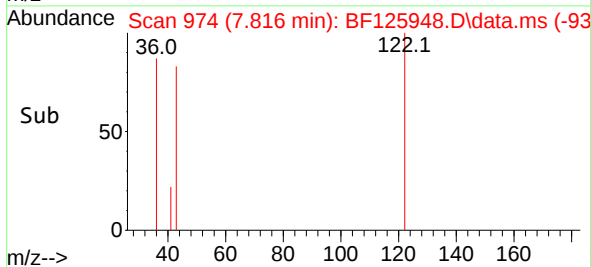
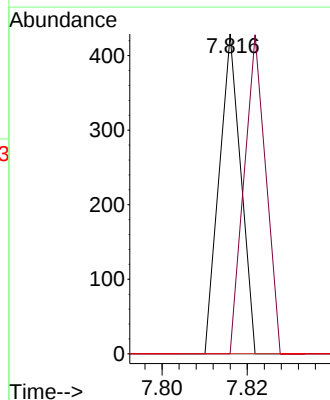
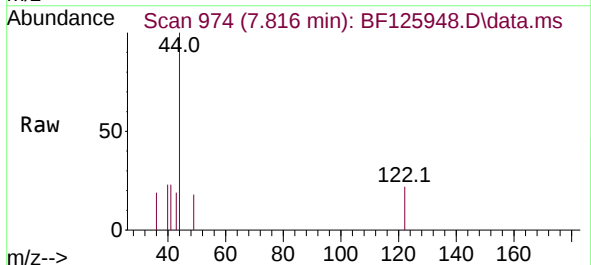
Instrument :
BNA_F
ClientSampleId :
TH-EES

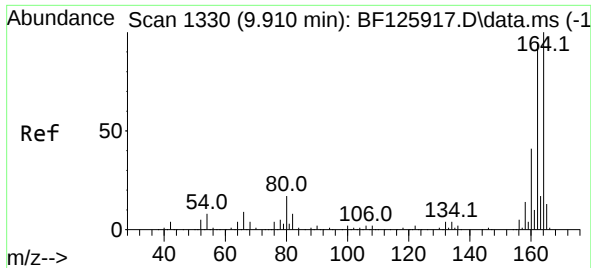
Tgt Ion: 82 Resp: 849760
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.191 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.094 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion: 122 Resp: 151
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 0.0 59.6 99.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF125948.D

Acq: 26 Oct 2021 22:47

Instrument :

BNA_F

ClientSampleId :

TH-EES

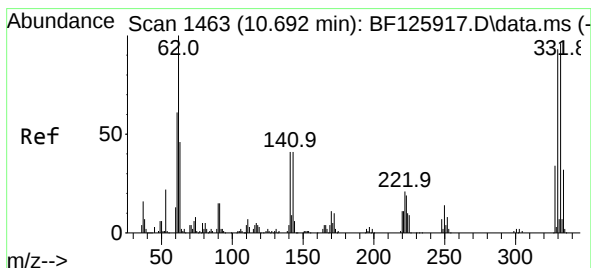
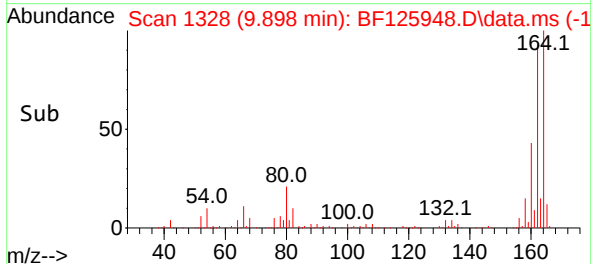
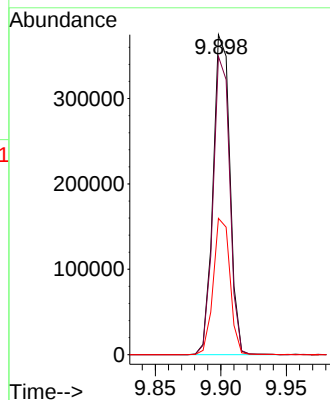
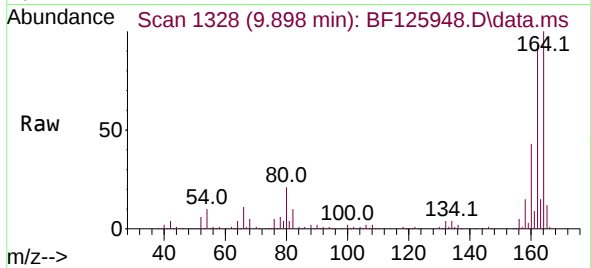
Tgt Ion:164 Resp: 334641

Ion Ratio Lower Upper

164 100

162 93.2 81.3 121.9

160 42.6 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 88.955 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF125948.D

Acq: 26 Oct 2021 22:47

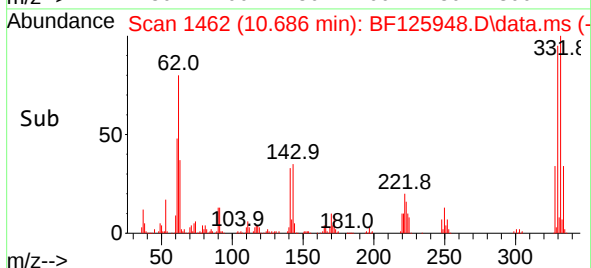
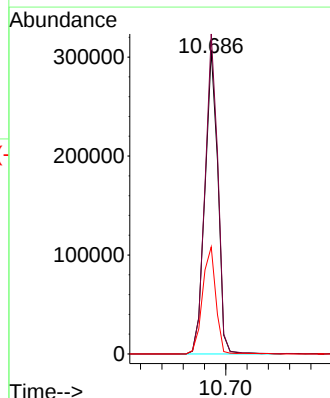
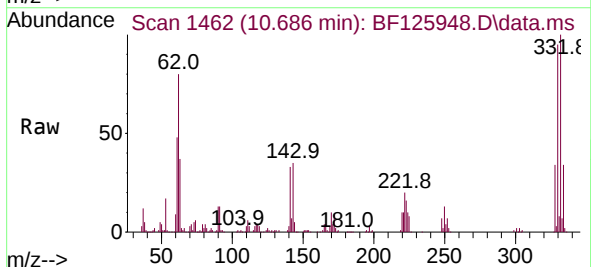
Tgt Ion:330 Resp: 259500

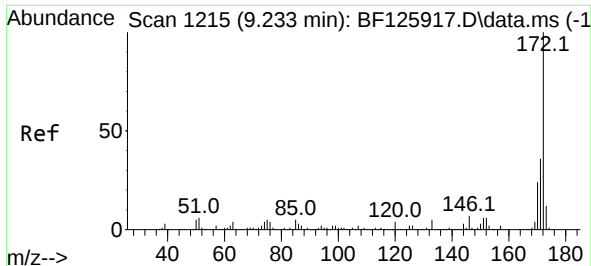
Ion Ratio Lower Upper

330 100

332 104.1 76.2 114.4

141 36.4 44.6 66.8#

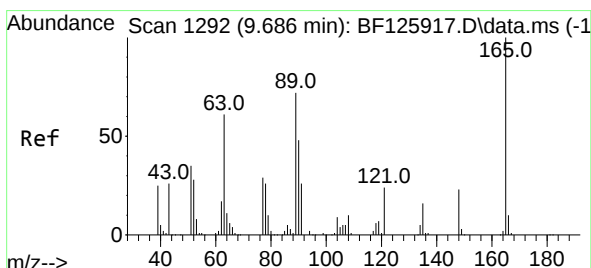
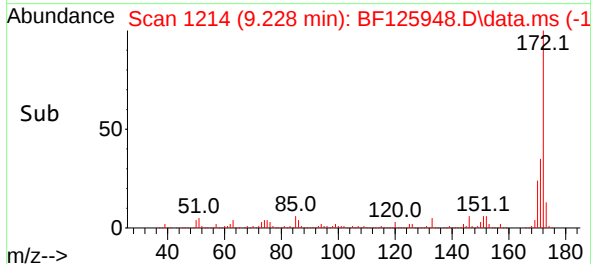
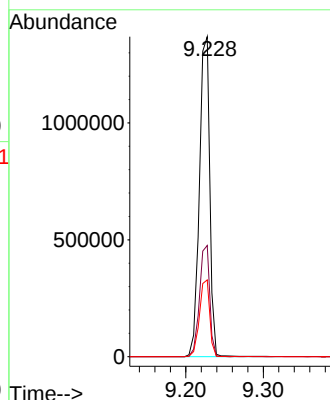
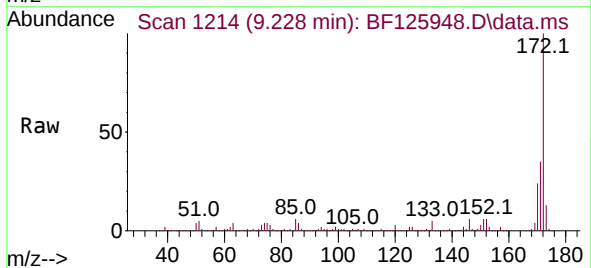




#45
2-Fluorobiphenyl
Concen: 67.058 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

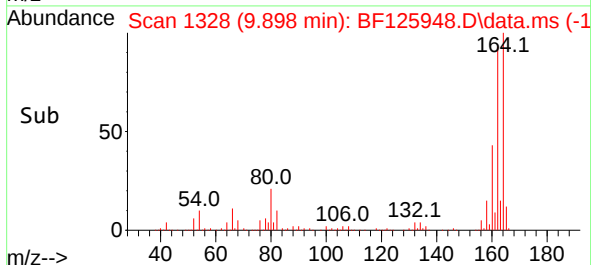
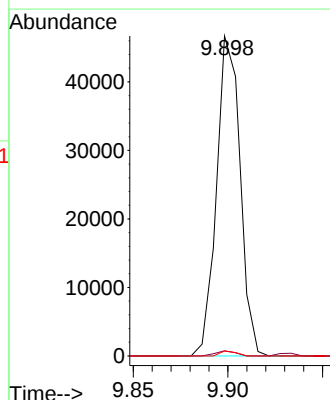
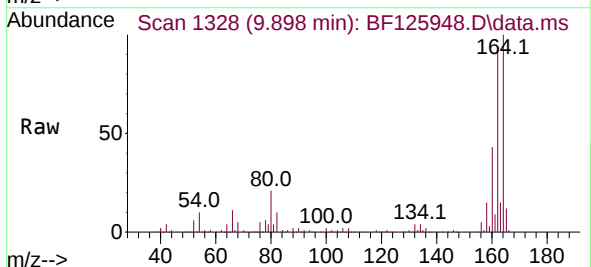
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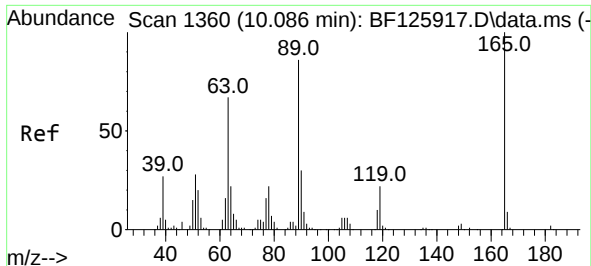
Tgt Ion:172 Resp: 1268941
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 24.0 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.890 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

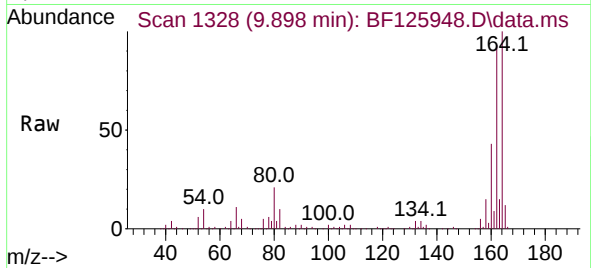
Tgt Ion:165 Resp: 40436
Ion Ratio Lower Upper
165 100
63 1.6 42.6 63.8#
89 1.6 40.6 60.8#



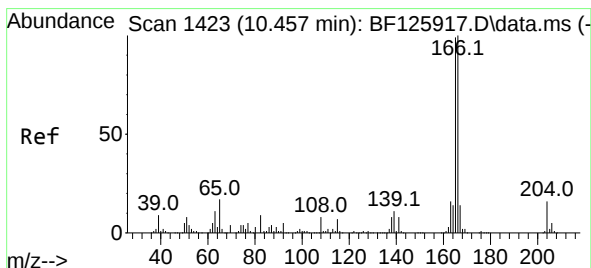
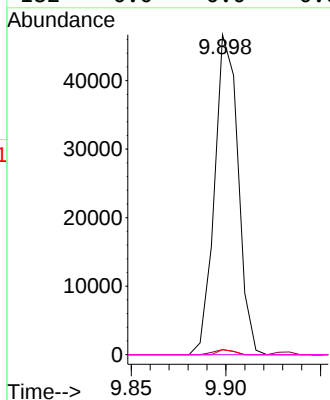
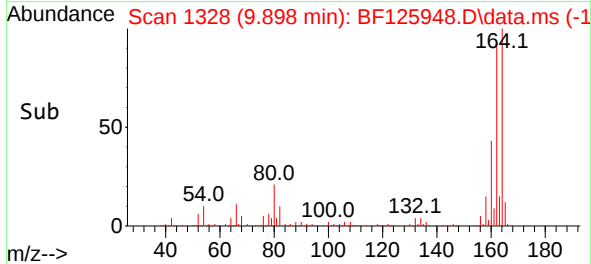


#57
2,4-Dinitrotoluene
Concen: 8.052 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.188 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

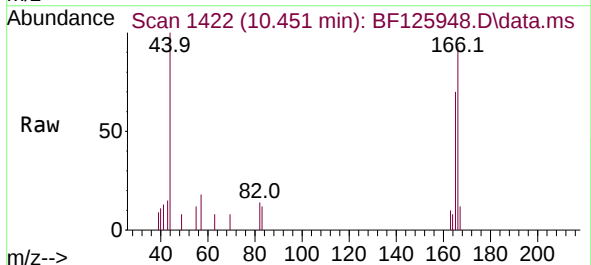
Instrument :
BNA_F
ClientSampled :
TH-EES



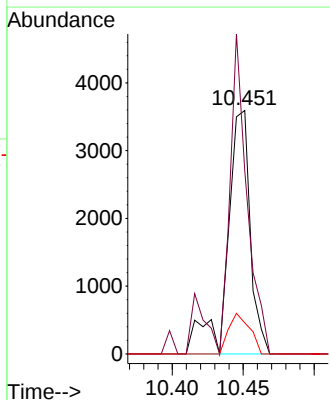
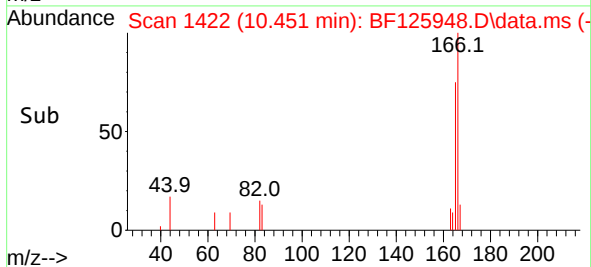
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Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 1.6 59.7 89.5#
182 0.0 0.0 0.0

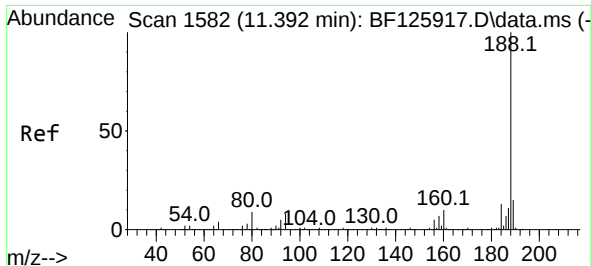


#58
Fluorene
Concen: Below Cal
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47



Tgt Ion:166 Resp: 4058
Ion Ratio Lower Upper
166 100
165 75.3 78.1 117.1#
167 12.7 11.1 16.7

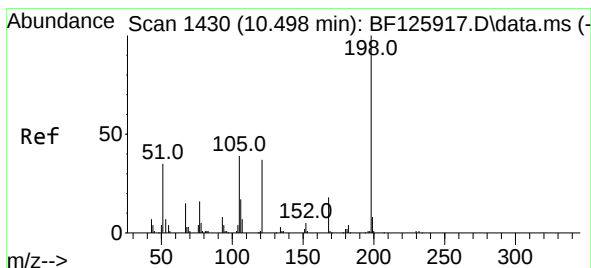
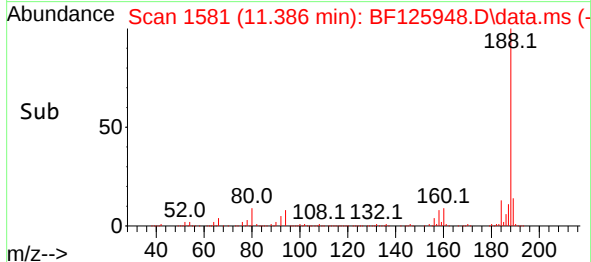
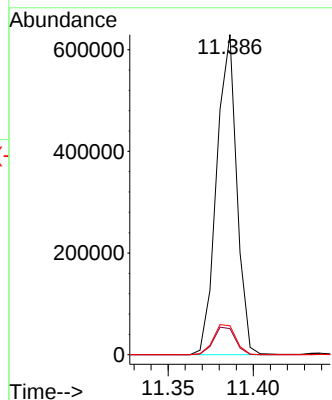
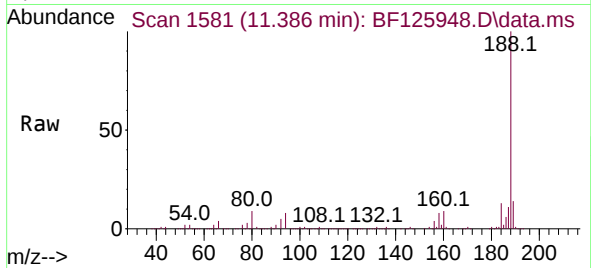




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

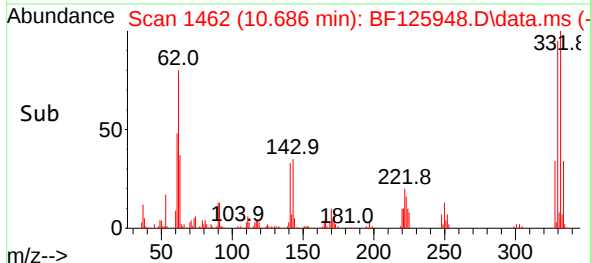
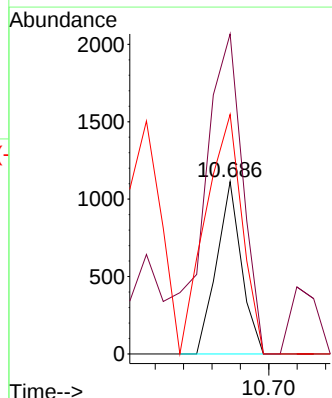
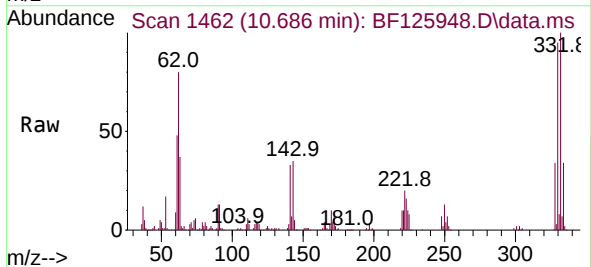
Instrument :
BNA_F
ClientSampled :
TH-EES

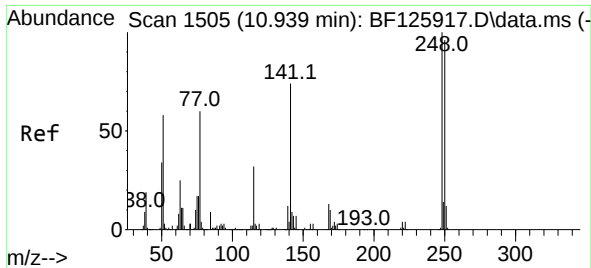
Tgt Ion:188 Resp: 517761
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 9.1 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 6.325 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion:198 Resp: 676
Ion Ratio Lower Upper
198 100
51 185.7 45.3 85.3#
105 139.0 30.6 70.6#

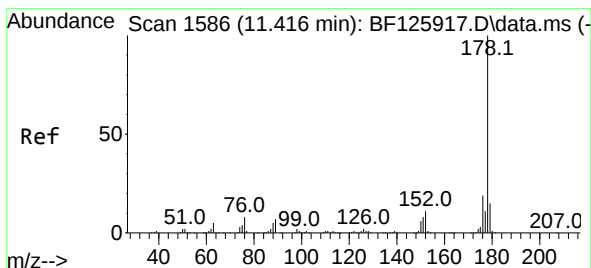
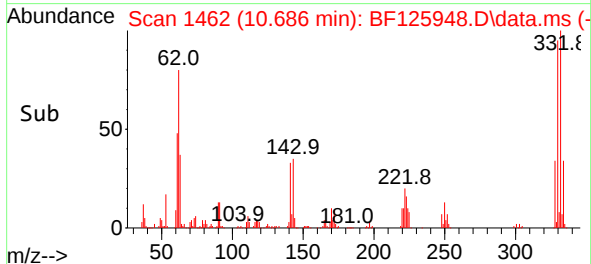
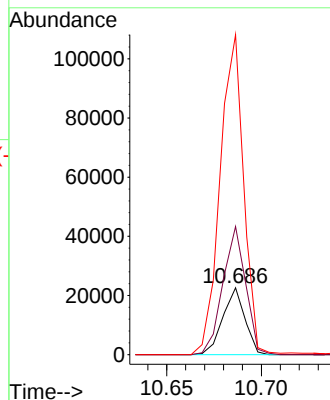
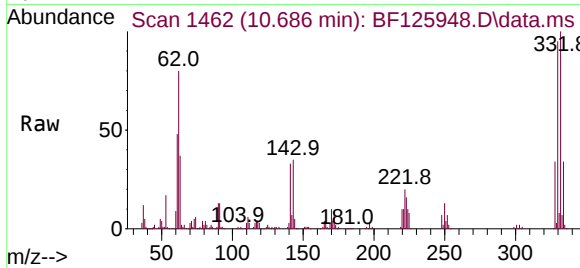




#67
4-Bromophenyl-phenylether
Concen: 3.319 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

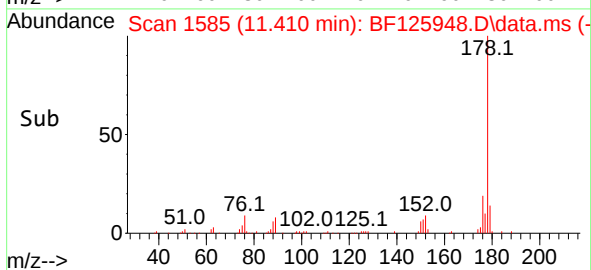
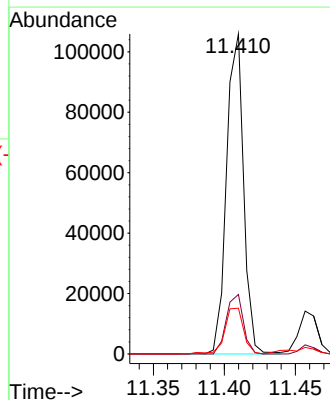
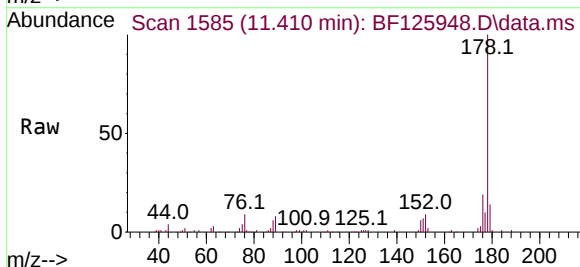
Instrument :
BNA_F
ClientSampled :
TH-EES

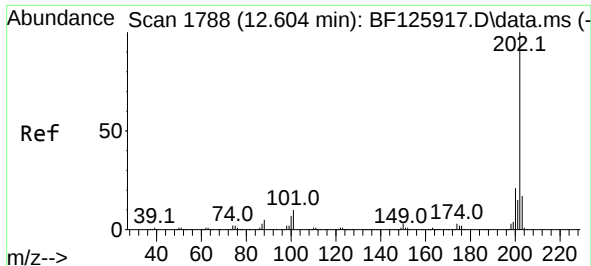
Tgt Ion:248 Resp: 18359
Ion Ratio Lower Upper
248 100
250 191.6 74.2 111.4#
141 478.8 60.4 90.6#



#71
Phenanthrene
Concen: 3.283 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion:178 Resp: 88197
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 14.3 11.5 17.3

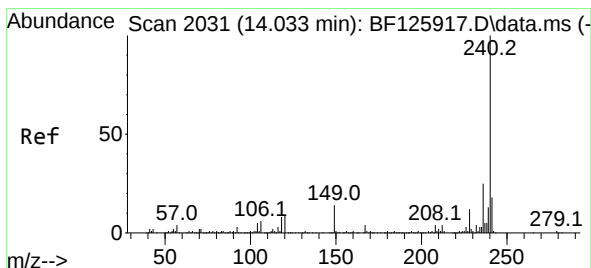
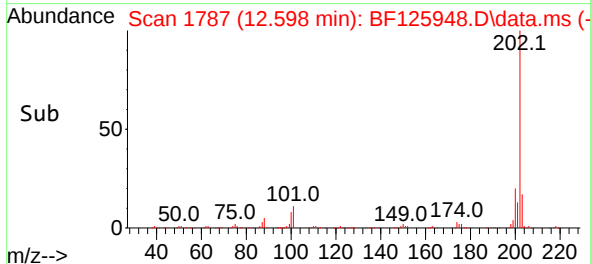
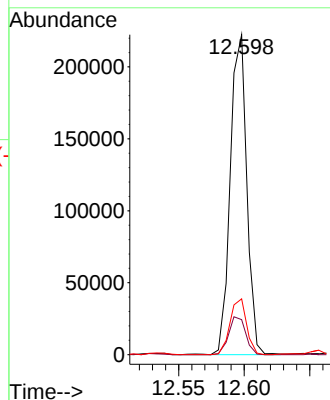
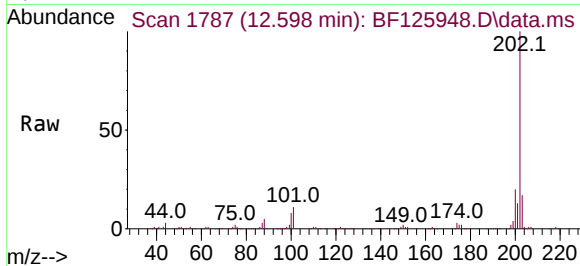




#75
Fluoranthene
Concen: 7.200 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

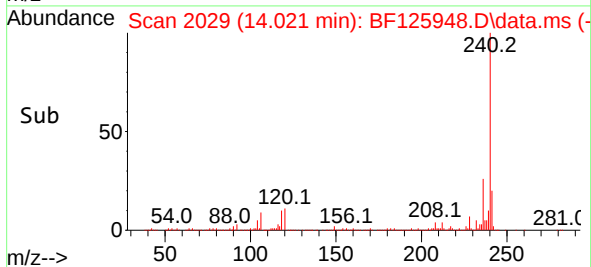
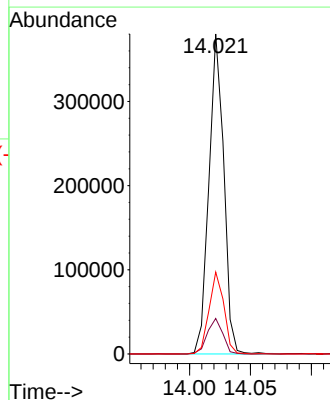
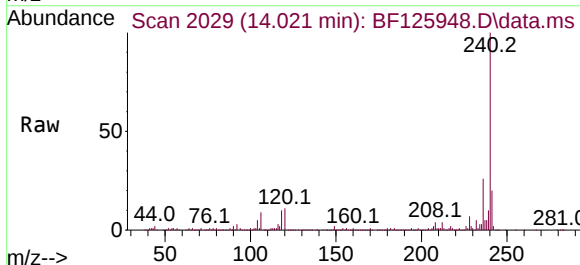
Instrument :
BNA_F
ClientSampled :
TH-EES

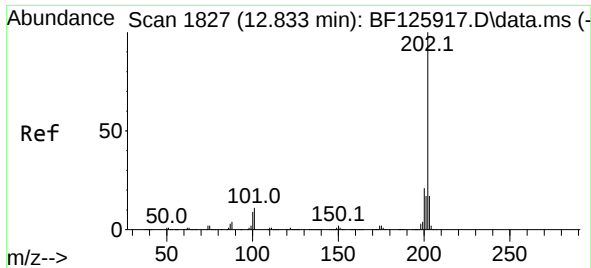
Tgt Ion:202 Resp: 194995
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.7
203 17.4 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion:240 Resp: 322290
Ion Ratio Lower Upper
240 100
120 11.1 10.8 16.2
236 25.6 21.6 32.4

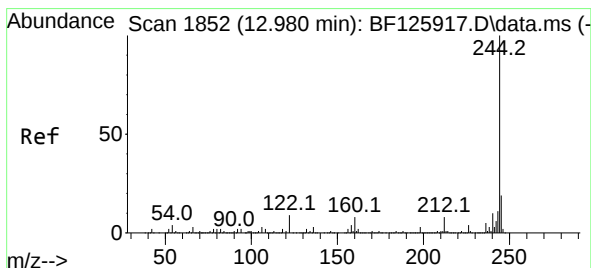
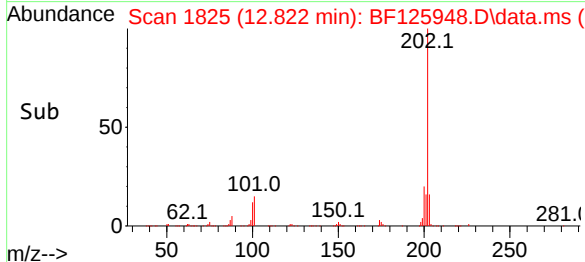
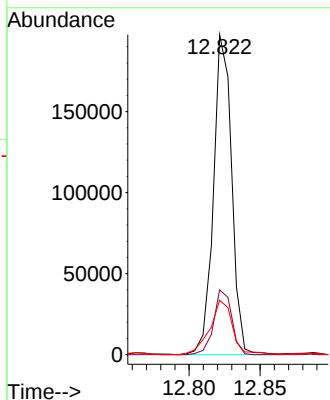
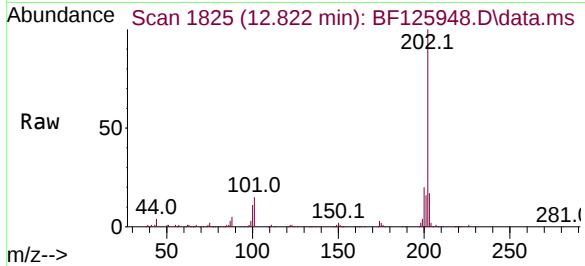




#78
 Pyrene
 Concen: 5.878 ng
 RT: 12.822 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF125948.D
 Acq: 26 Oct 2021 22:47

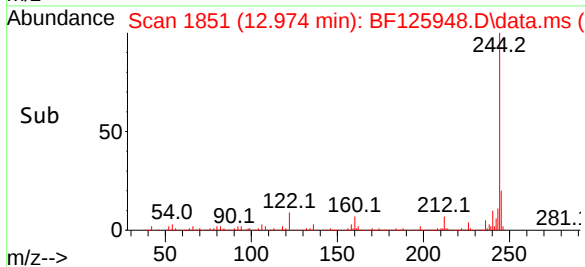
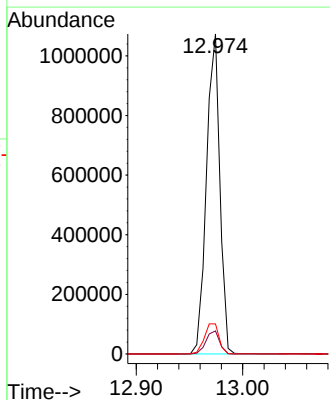
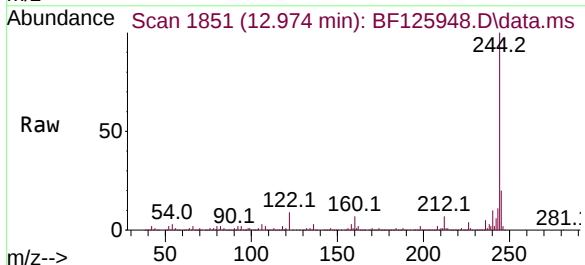
Instrument :
 BNA_F
 ClientSampled :
 TH-EES

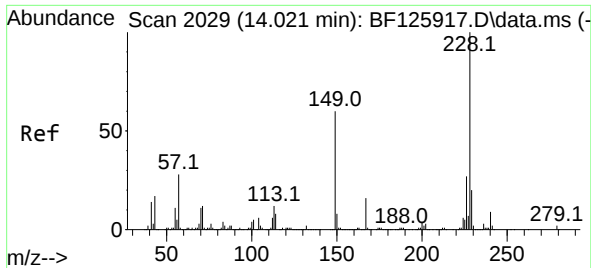
Tgt Ion:202	Resp:	176291
Ion Ratio	Lower	Upper
202	100	
200	20.2	15.3 22.9
203	17.0	13.4 20.0



#79
 Terphenyl-d14
 Concen: 47.549 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF125948.D
 Acq: 26 Oct 2021 22:47

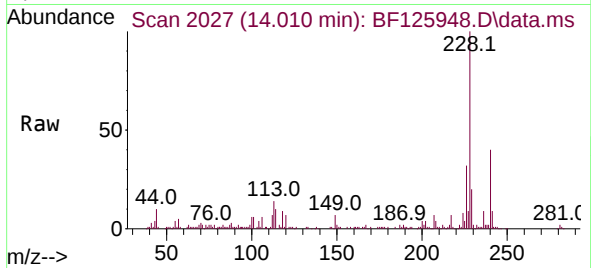
Tgt Ion:244	Resp:	936855
Ion Ratio	Lower	Upper
244	100	
212	7.2	5.9 8.9
122	9.4	9.0 13.4



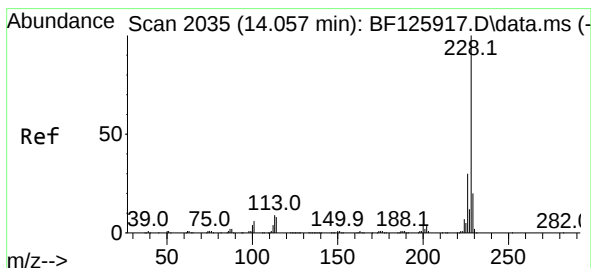
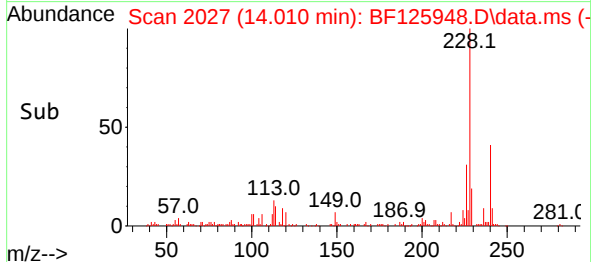
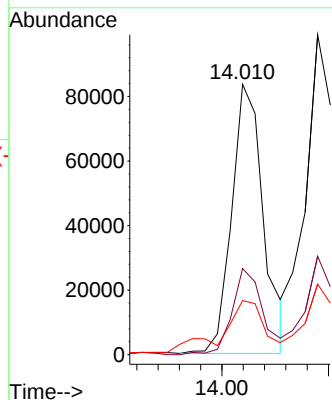


#81
Benzo(a)anthracene
Concen: 3.983 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Instrument :
BNA_F
ClientSampled :
TH-EES

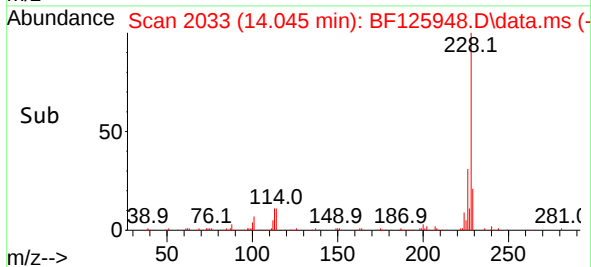
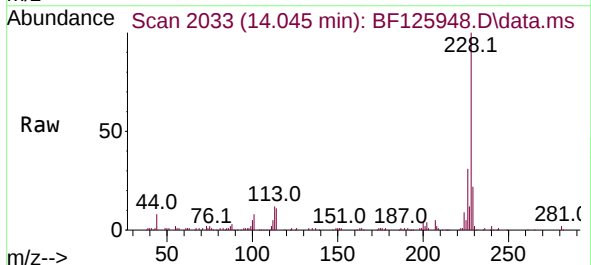
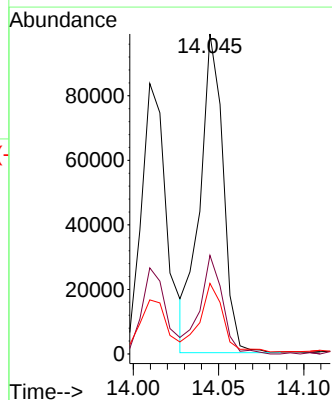


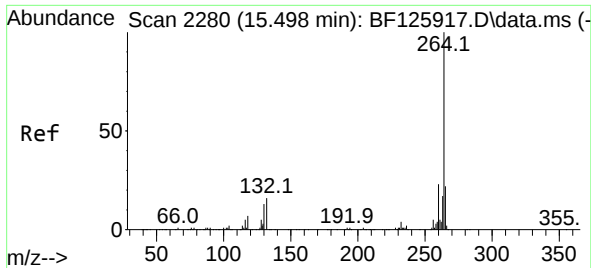
Tgt Ion:228 Resp: 86396
Ion Ratio Lower Upper
228 100
226 31.8 21.6 32.4
229 20.0 15.6 23.4



#83
Chrysene
Concen: 4.286 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion:228 Resp: 94068
Ion Ratio Lower Upper
228 100
226 30.8 22.6 34.0
229 22.1 15.9 23.9

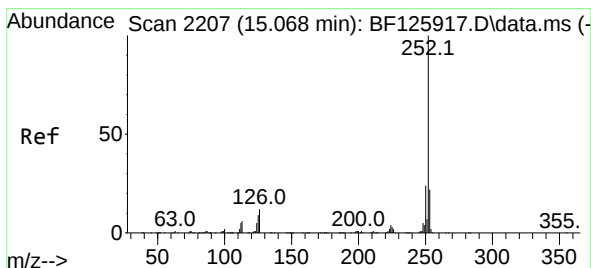
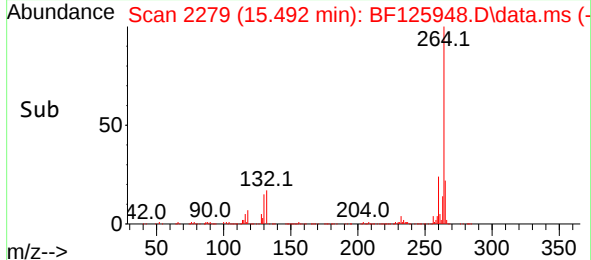
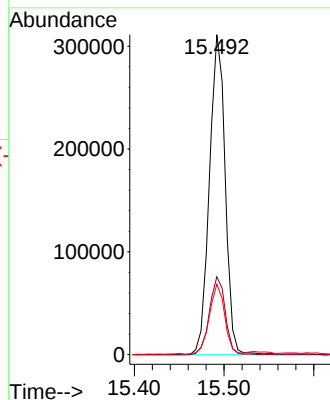
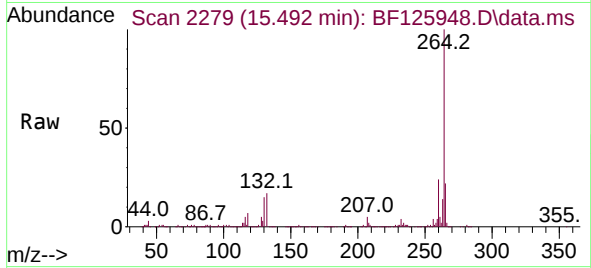




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

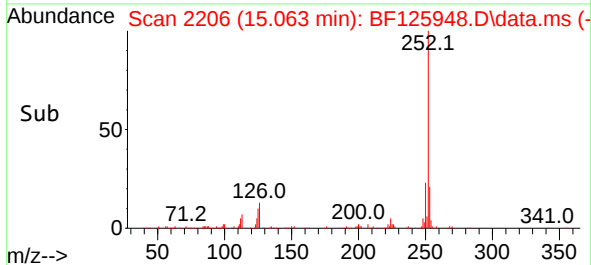
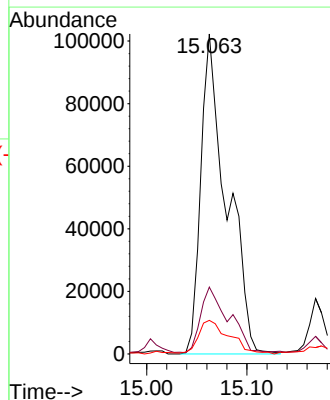
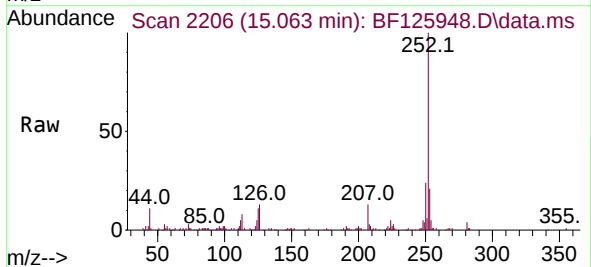
Instrument :
BNA_F
ClientSampled :
TH-EES

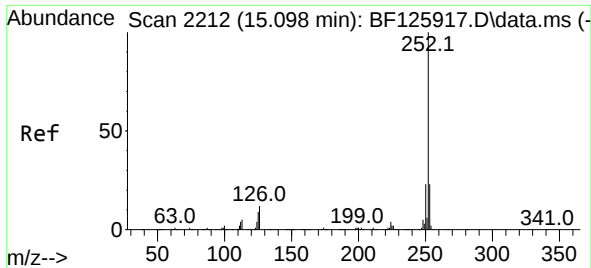
Tgt Ion:264 Resp: 379407
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 22.0 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 7.346 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion:252 Resp: 183964
Ion Ratio Lower Upper
252 100
253 20.9 16.8 25.2
125 10.5 9.8 14.8

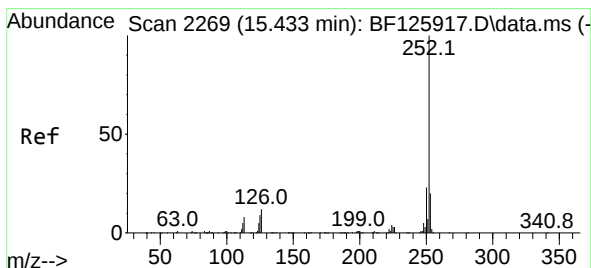
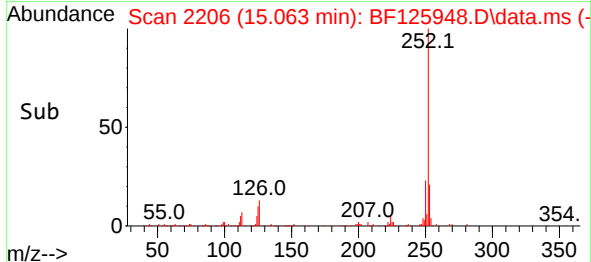
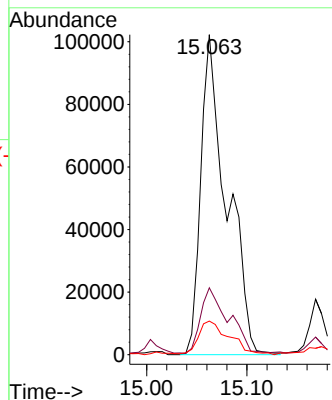
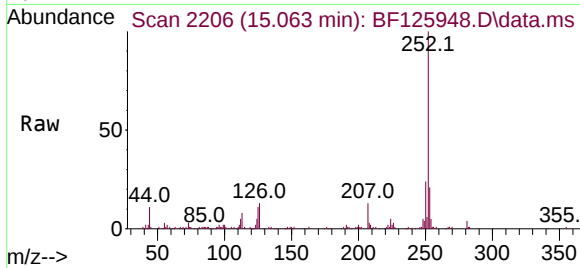




#89
Benzo(k)fluoranthene
Concen: 7.648 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.035 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Instrument :
BNA_F
ClientSampled :
TH-EES

Tgt Ion:252 Resp: 183964
Ion Ratio Lower Upper
252 100
253 20.9 17.8 26.8
125 10.5 7.2 10.8



#90
Benzo(a)pyrene
Concen: 4.784 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF125948.D
Acq: 26 Oct 2021 22:47

Tgt Ion:252 Resp: 96718
Ion Ratio Lower Upper
252 100
253 20.9 18.4 27.6
125 13.1 9.9 14.9

