

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
 Data File : BF125884.D
 Acq On : 18 Oct 2021 18:52
 Operator : JU/CG
 Sample : M4249-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-(S)

Quant Time: Oct 19 09:08:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

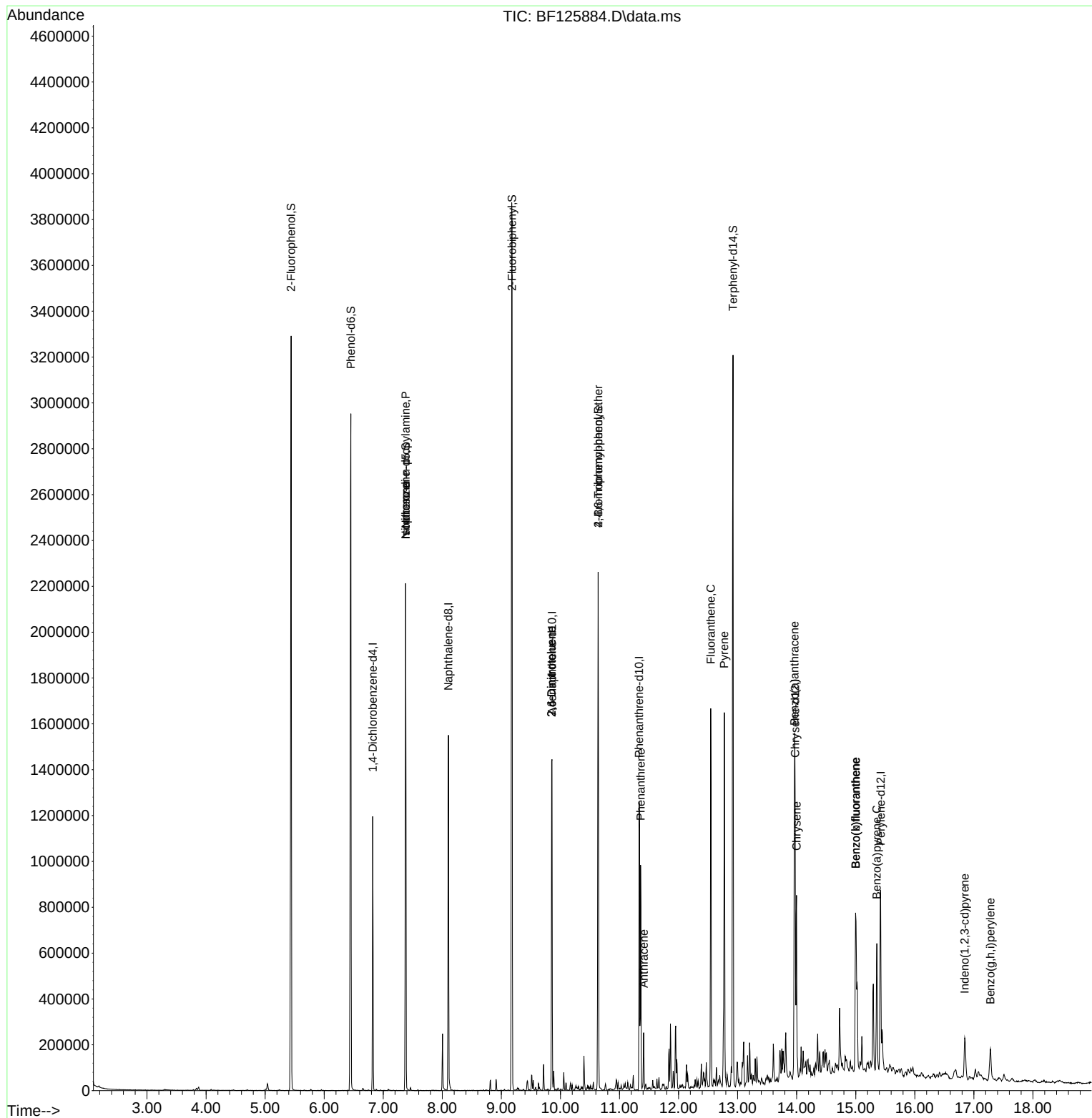
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	167408	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	657272	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	324287	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	461673	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	378064	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	337549	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	993360	96.936	ng	0.00
7) Phenol-d6	6.451	99	1185971	89.900	ng	0.00
23) Nitrobenzene-d5	7.380	82	701054	66.301	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	269154	84.066	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1327832	70.625	ng	0.00
79) Terphenyl-d14	12.921	244	1027144	41.385	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.380	70	87420	12.553	ng	# 50
25) Isophorone	7.380	82	698324	37.278	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	42197	9.779	ng	# 27
57) 2,4-Dinitrotoluene	9.851	165	42197	7.734	ng	# 19
67) 4-Bromophenyl-phenylether	10.639	248	14919	2.918	ng	# 1
71) Phenanthrene	11.357	178	349213	14.137	ng	98
72) Anthracene	11.410	178	83658	3.391	ng	99
75) Fluoranthene	12.545	202	622142	27.913	ng	96
78) Pyrene	12.774	202	608572	15.845	ng	96
81) Benzo(a)anthracene	13.962	228	349443	14.247	ng	96
83) Chrysene	13.998	228	310547	12.809	ng	99
87) Indeno(1,2,3-cd)pyrene	16.845	276	116606	4.526	ng	95
88) Benzo(b)fluoranthene	14.998	252	518250	27.195	ng	98
89) Benzo(k)fluoranthene	14.998	252	518250	26.487	ng	# 98
90) Benzo(a)pyrene	15.356	252	253358	15.013	ng	99
92) Benzo(g,h,i)perylene	17.280	276	104734	4.826	ng	95

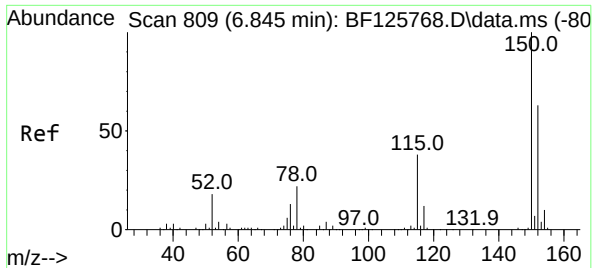
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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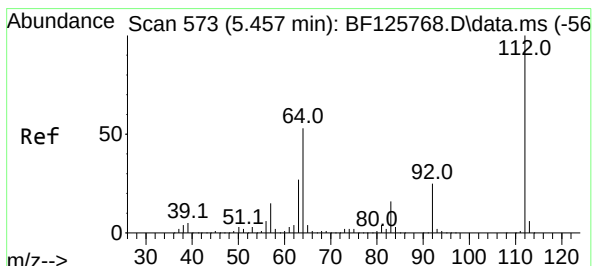
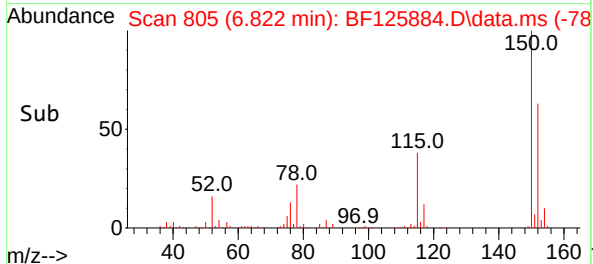
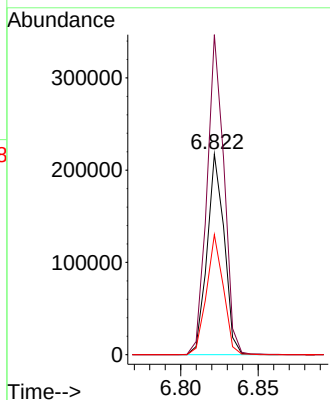
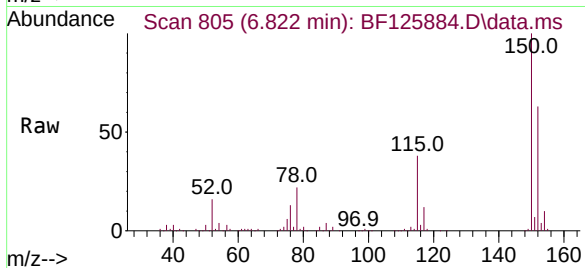




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

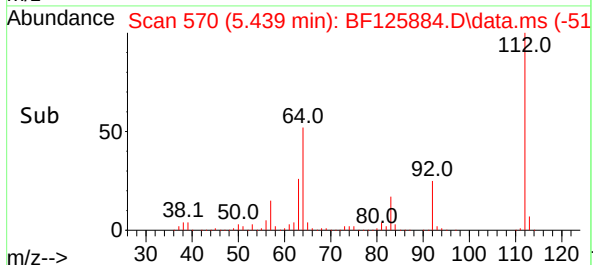
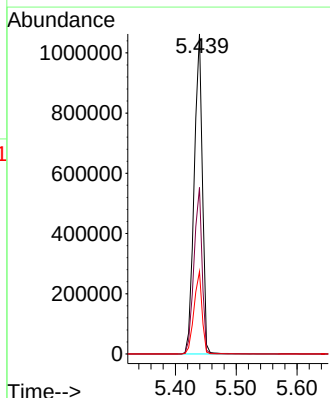
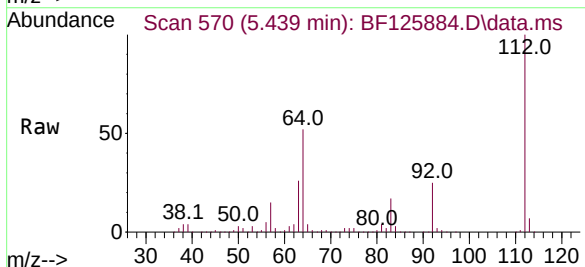
Instrument :
BNA_F
ClientSampleId :
TP1-(S)

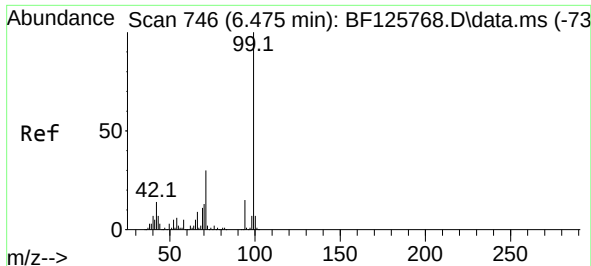
Tgt Ion:152 Resp: 167408
Ion Ratio Lower Upper
152 100
150 159.5 117.6 176.4
115 59.8 47.1 70.7



#5
2-Fluorophenol
Concen: 96.936 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion:112 Resp: 993360
Ion Ratio Lower Upper
112 100
64 52.0 44.2 66.2
63 25.7 26.2 39.2#

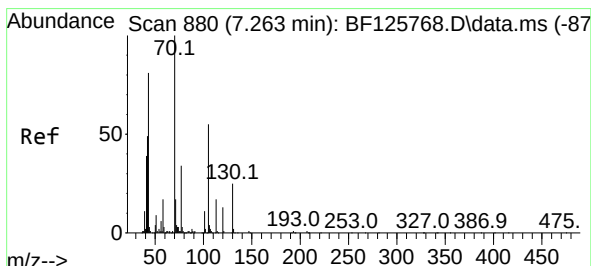
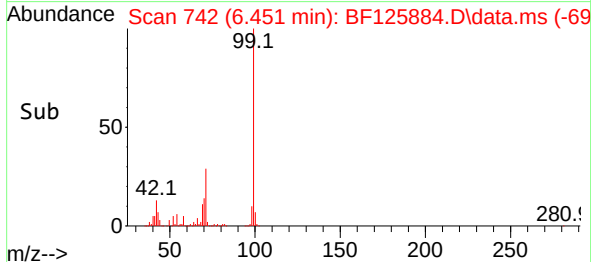
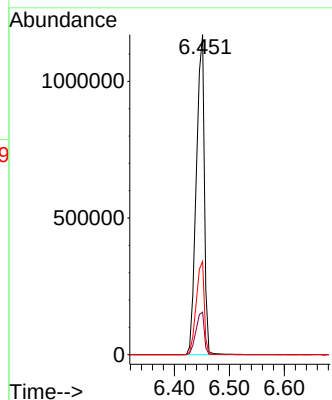
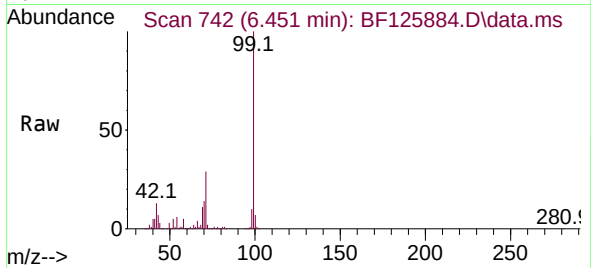




#7
Phenol-d6
Concen: 89.900 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

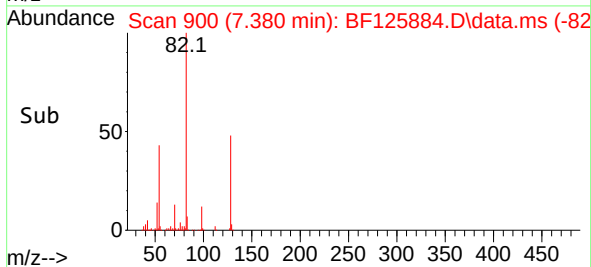
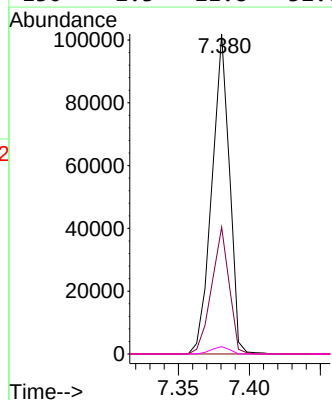
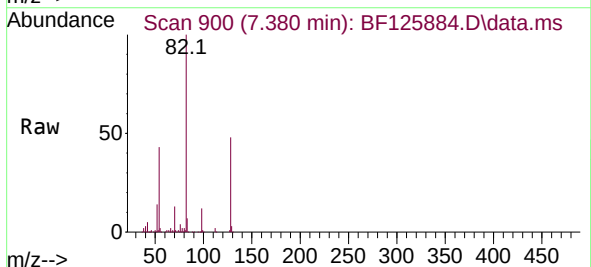
Instrument :
BNA_F
ClientSampleId :
TP1-(S)

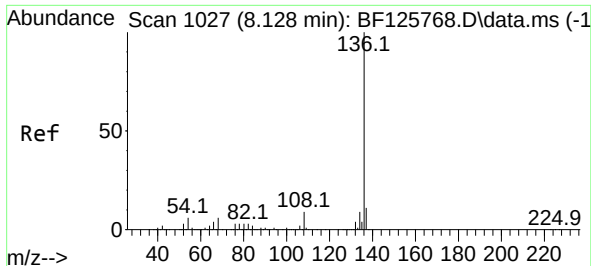
Tgt Ion: 99 Resp: 1185971
Ion Ratio Lower Upper
99 100
42 13.3 23.5 35.3#
71 29.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.553 ng
RT: 7.380 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion: 70 Resp: 87420
Ion Ratio Lower Upper
70 100
42 39.7 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

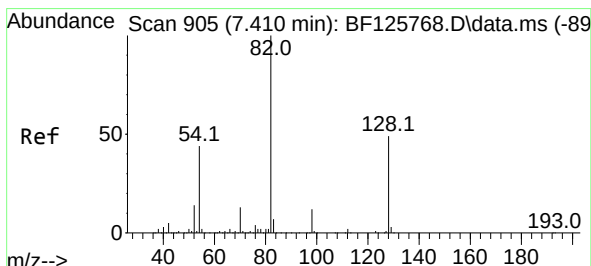
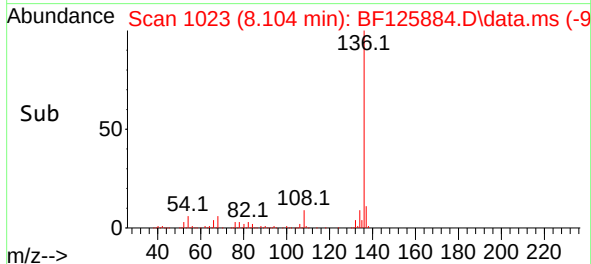
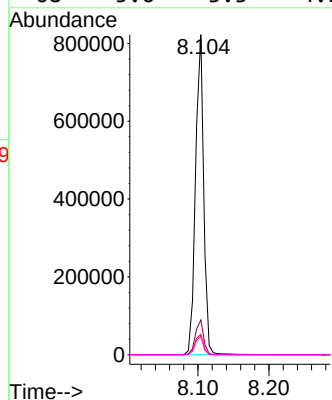
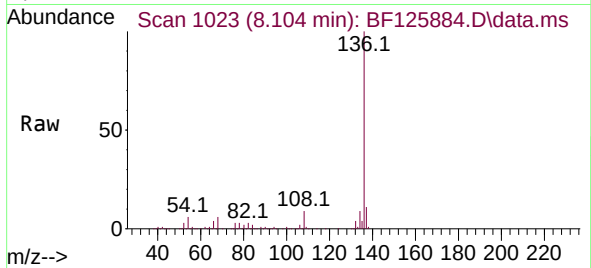




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

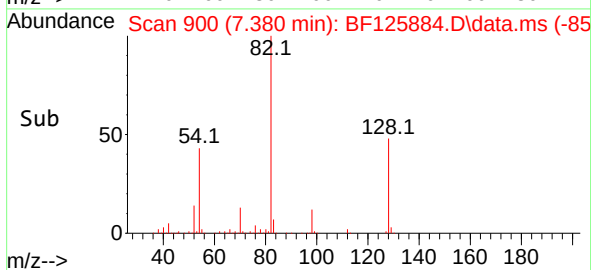
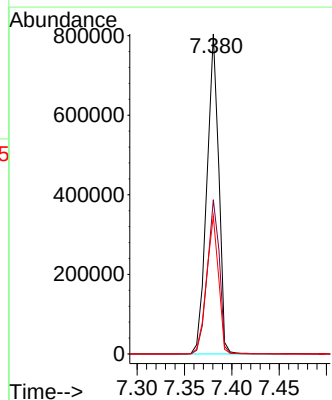
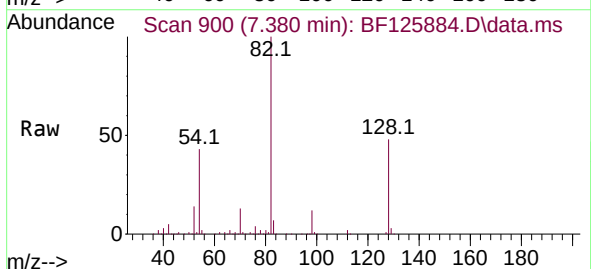
Instrument :
BNA_F
ClientSampleId :
TP1-(S)

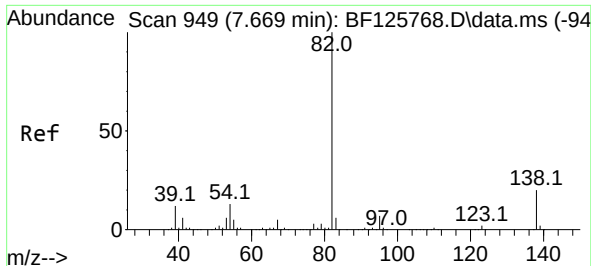
Tgt Ion:136	Resp: 657272
Ion Ratio	Lower Upper
136 100	
137 10.9	9.8 14.6
54 6.3	6.4 9.6#
68 5.6	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 66.301 ng
RT: 7.380 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion: 82	Resp: 701054
Ion Ratio	Lower Upper
82 100	
128 48.2	40.6 60.8
54 43.1	49.6 74.4#

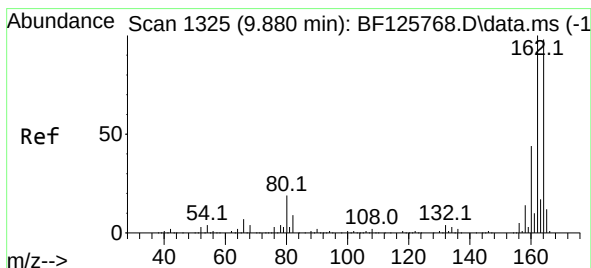
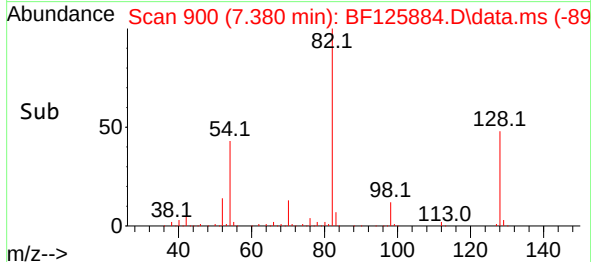
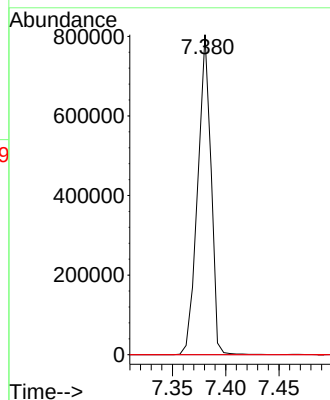
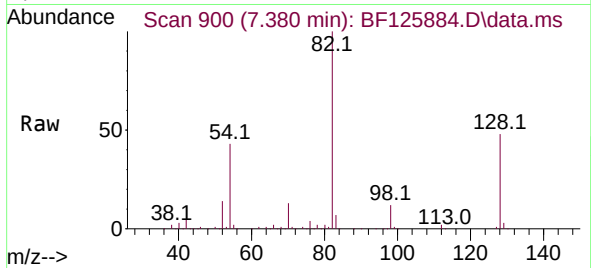




#25
Isophorone
Concen: 37.278 ng
RT: 7.380 min Scan# 900
Delta R.T. -0.271 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

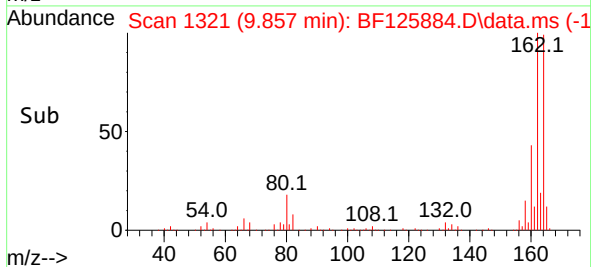
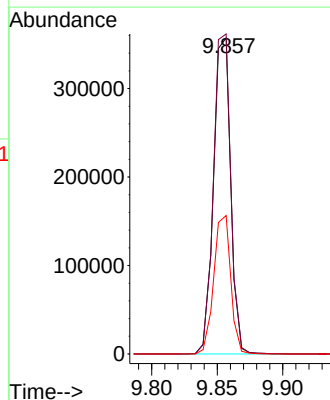
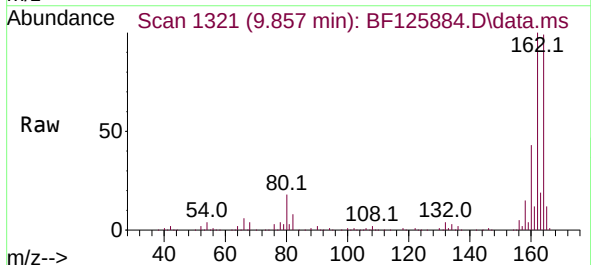
Instrument :
BNA_F
ClientSampleId :
TP1-(S)

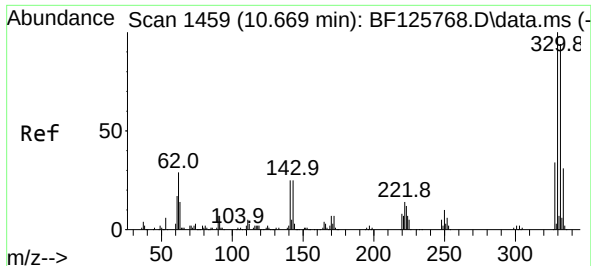
Tgt Ion: 82 Resp: 698324
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion: 164 Resp: 324287
Ion Ratio Lower Upper
164 100
162 101.3 81.3 121.9
160 43.8 38.0 57.0

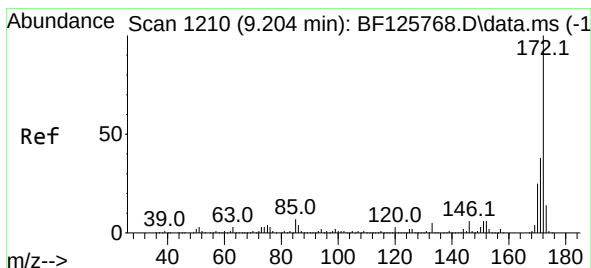
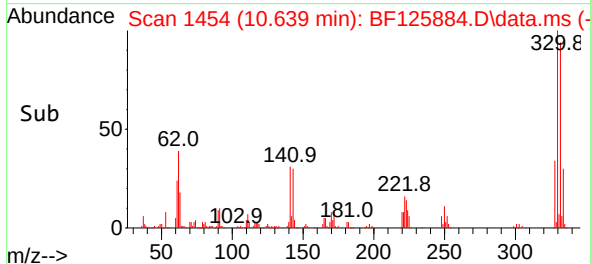
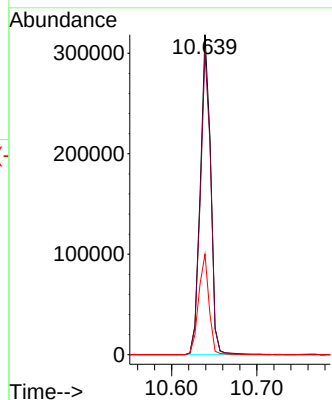
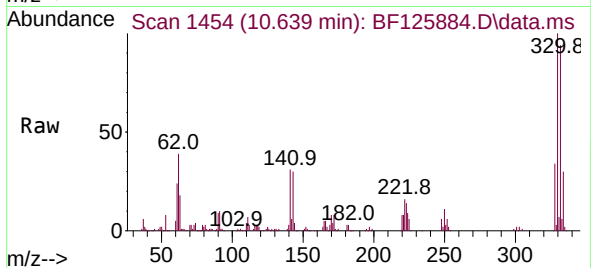




#42
2,4,6-Tribromophenol
Concen: 84.066 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

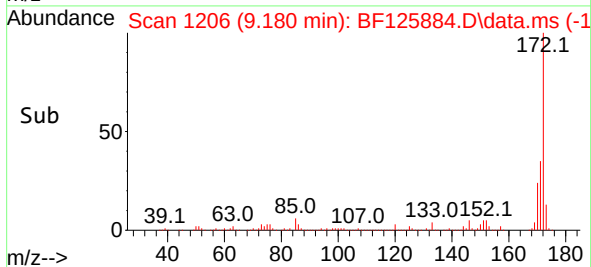
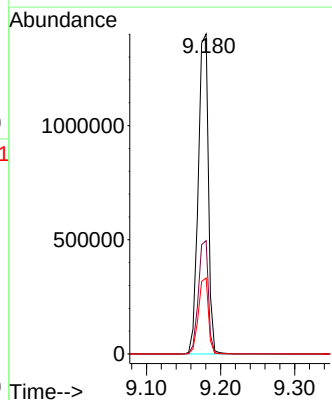
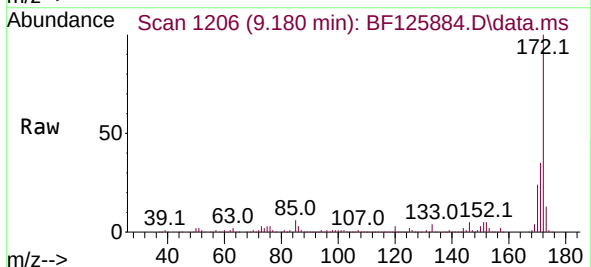
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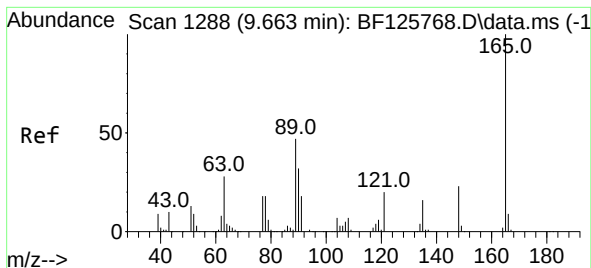
Tgt Ion: 330 Resp: 269154
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 31.4 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 70.625 ng
RT: 9.180 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion: 172 Resp: 1327832
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 23.8 18.8 28.2

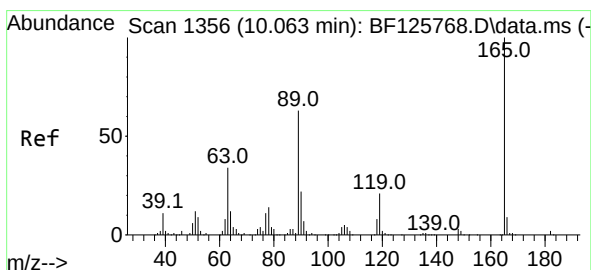
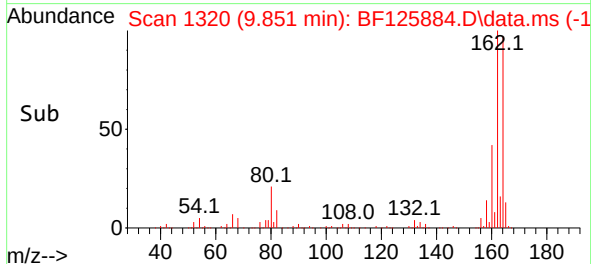
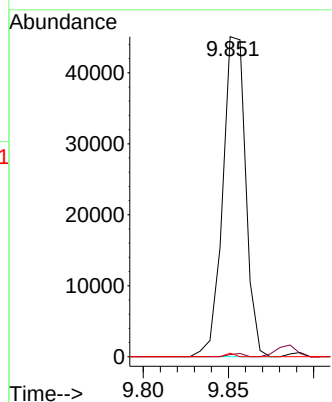
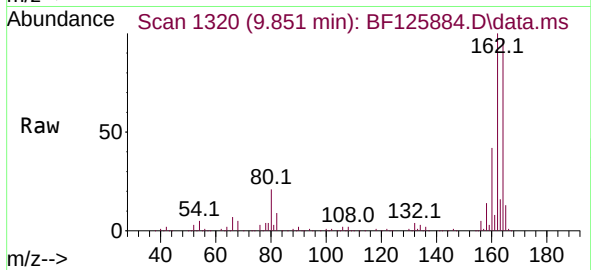




#51
2,6-Dinitrotoluene
Concen: 9.779 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

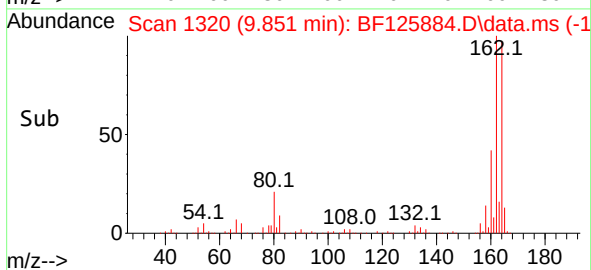
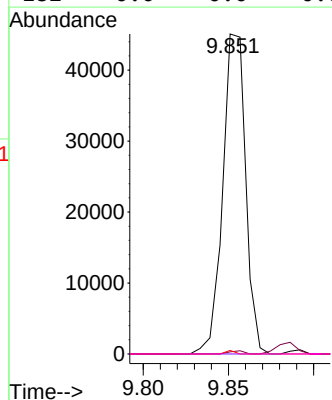
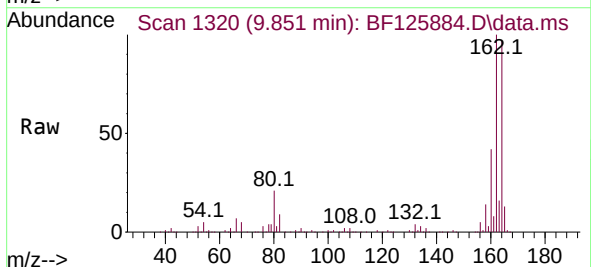
Instrument :
BNA_F
ClientSampled :
TP1-(S)

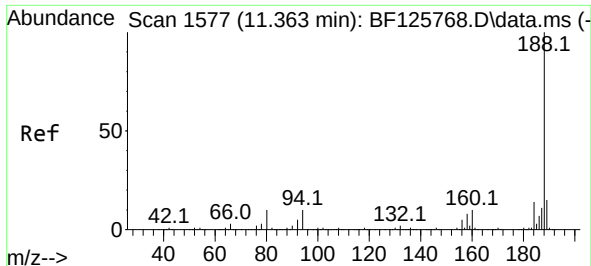
Tgt Ion:165 Resp: 42197
Ion Ratio Lower Upper
165 100
63 0.7 42.6 63.8#
89 1.1 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.734 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.194 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion:165 Resp: 42197
Ion Ratio Lower Upper
165 100
63 0.7 40.9 61.3#
89 1.1 59.7 89.5#
182 0.0 0.0 0.0

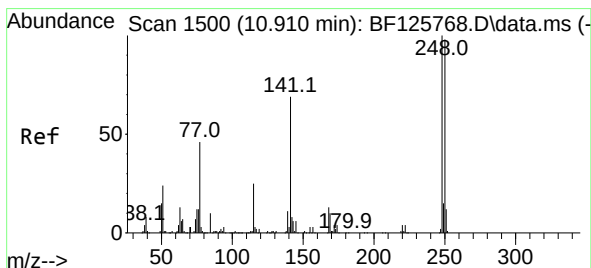
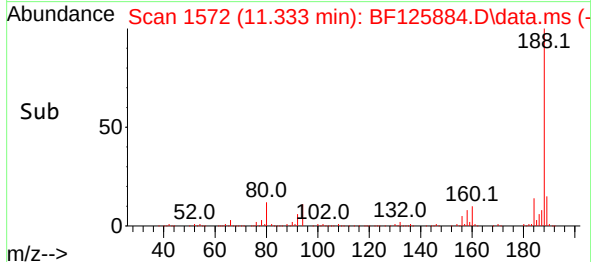
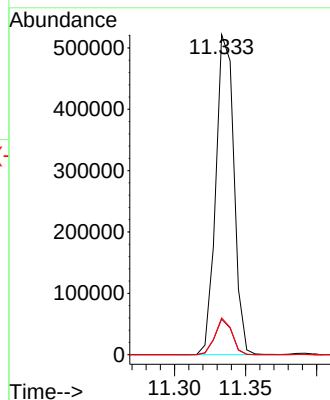
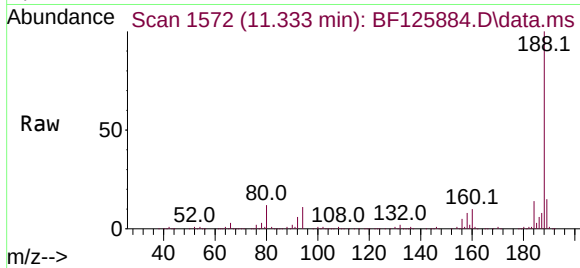




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

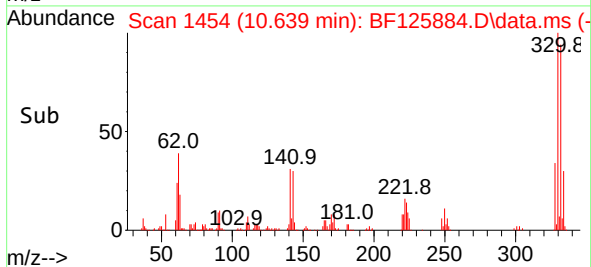
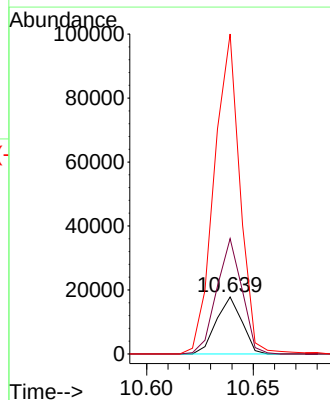
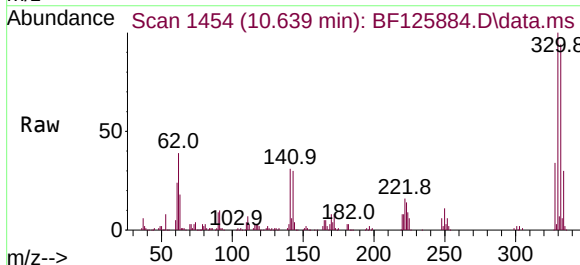
Instrument :
BNA_F
ClientSampled :
TP1-(S)

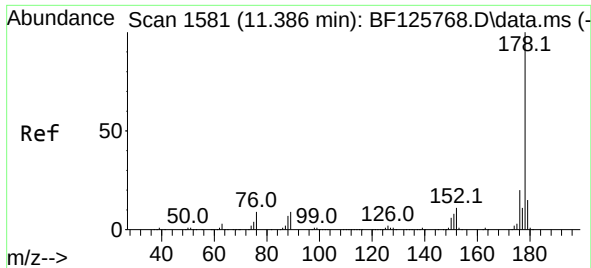
Tgt Ion:188 Resp: 461673
Ion Ratio Lower Upper
188 100
94 11.1 6.7 10.1#
80 11.5 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 2.918 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion:248 Resp: 14919
Ion Ratio Lower Upper
248 100
250 202.3 74.2 111.4#
141 561.0 60.4 90.6#

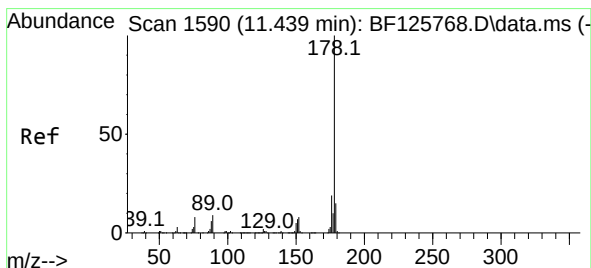
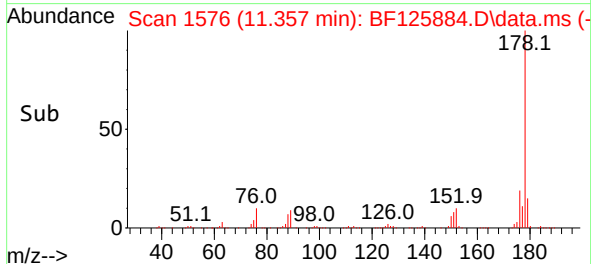
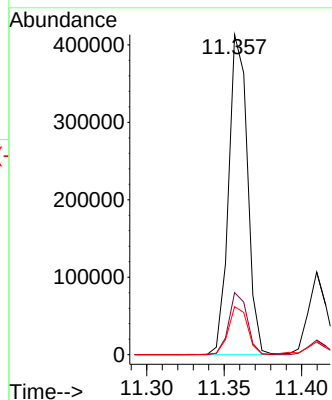
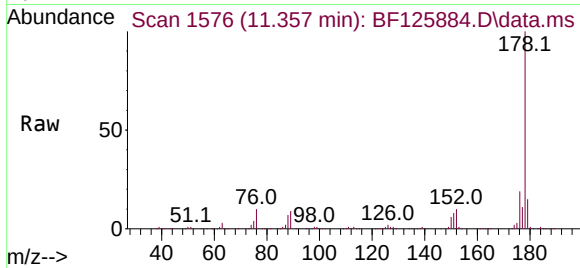




#71
Phenanthrene
Concen: 14.137 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

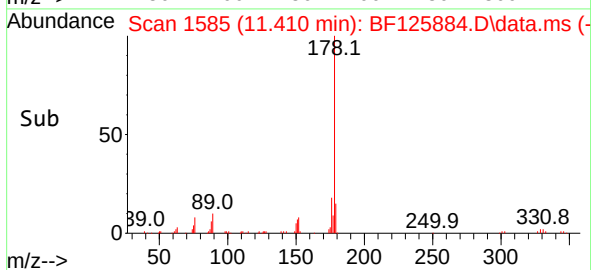
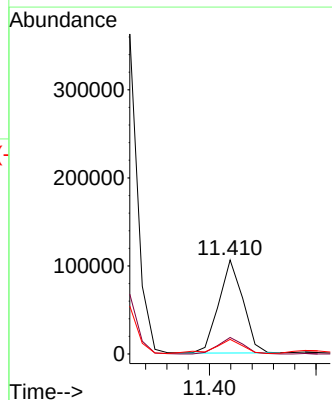
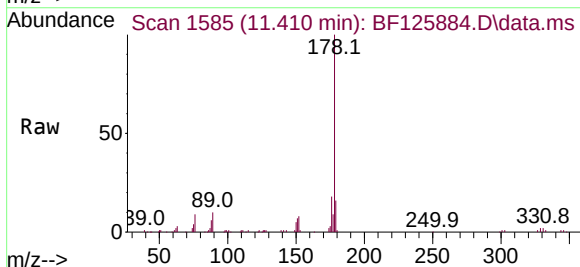
Instrument :
BNA_F
ClientSampleId :
TP1-(S)

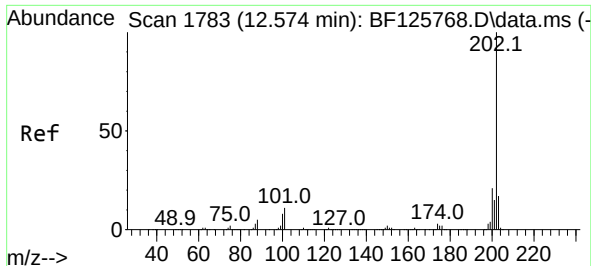
Tgt Ion:178 Resp: 349213
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.0 11.5 17.3



#72
Anthracene
Concen: 3.391 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion:178 Resp: 83658
Ion Ratio Lower Upper
178 100
176 17.6 14.3 21.5
179 15.5 12.2 18.4

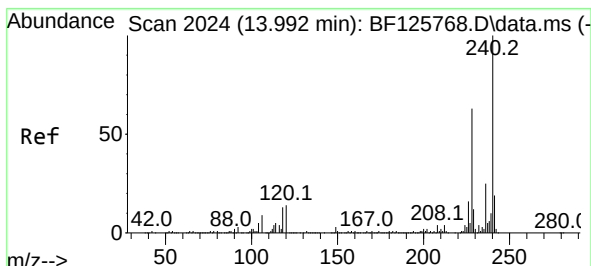
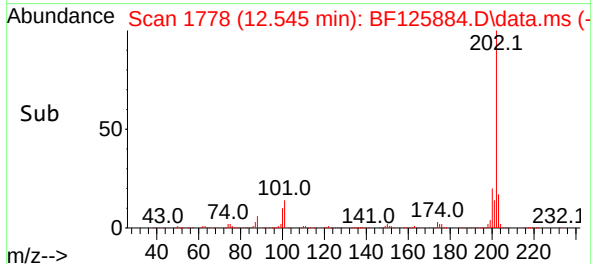
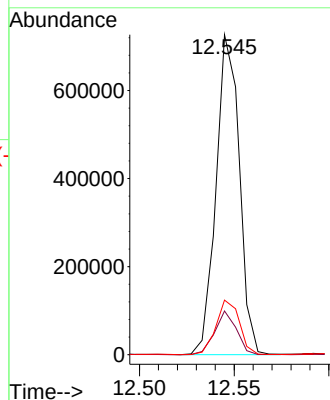
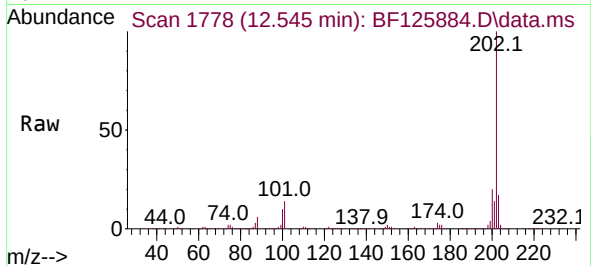




#75
Fluoranthene
Concen: 27.913 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

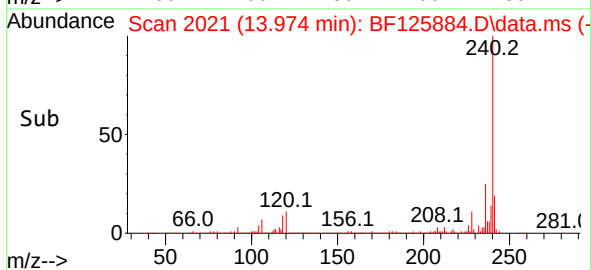
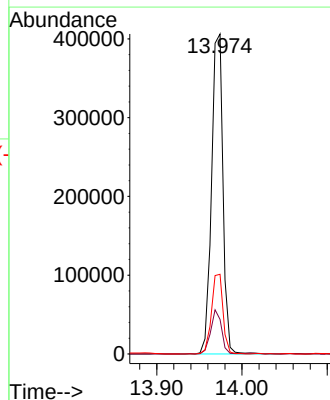
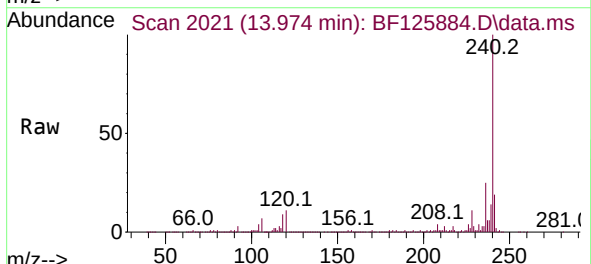
Instrument :
BNA_F
ClientSampleId :
TP1-(S)

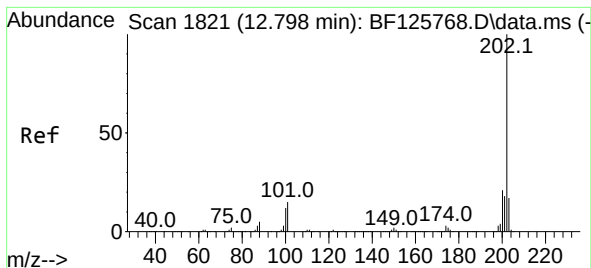
Tgt Ion:202 Resp: 622142
Ion Ratio Lower Upper
202 100
101 13.6 0.0 30.7
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion:240 Resp: 378064
Ion Ratio Lower Upper
240 100
120 10.8 10.8 16.2#
236 24.9 21.6 32.4





#78

Pyrene

Concen: 15.845 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF125884.D

Acq: 18 Oct 2021 18:52

Tgt Ion:202 Resp: 608572

Ion Ratio Lower Upper

202 100

200 21.3 15.3 22.9

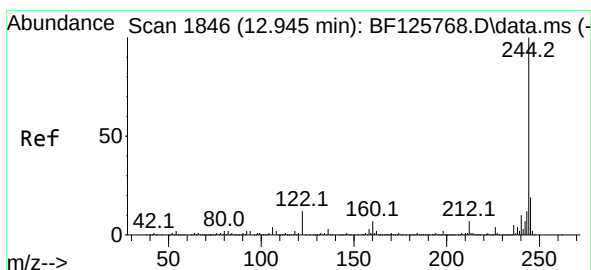
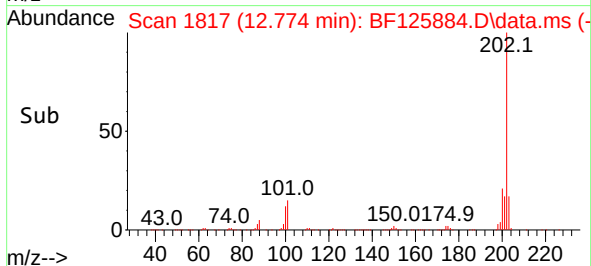
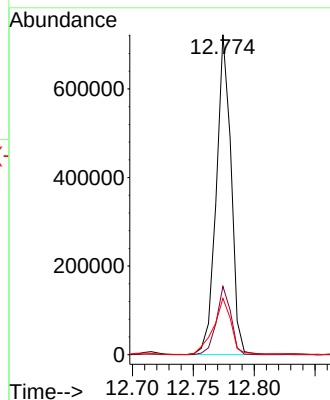
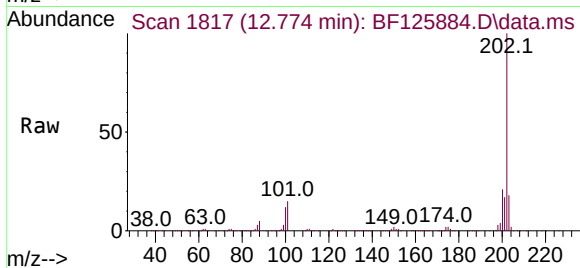
203 17.6 13.4 20.0

Instrument :

BNA_F

ClientSampled :

TP1-(S)



#79

Terphenyl-d14

Concen: 41.385 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF125884.D

Acq: 18 Oct 2021 18:52

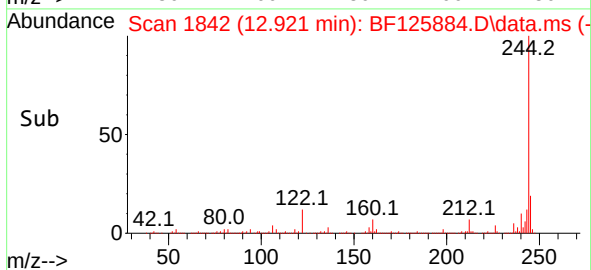
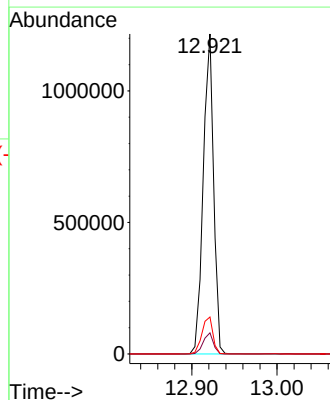
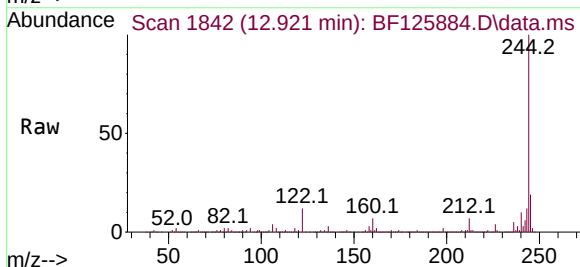
Tgt Ion:244 Resp: 1027144

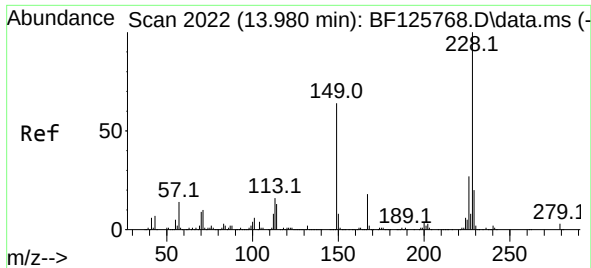
Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 11.5 9.0 13.4

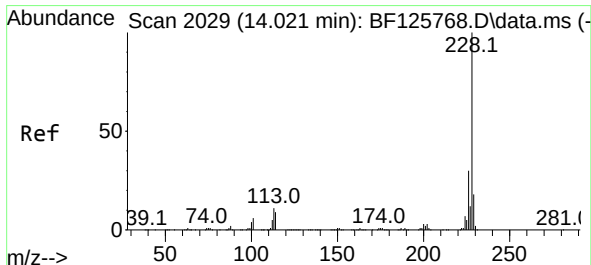
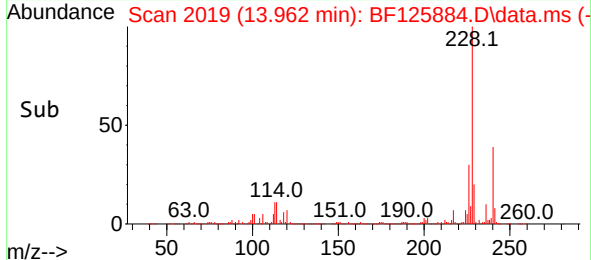
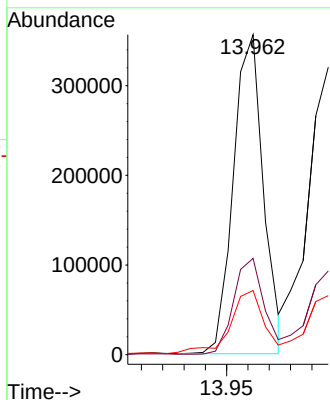
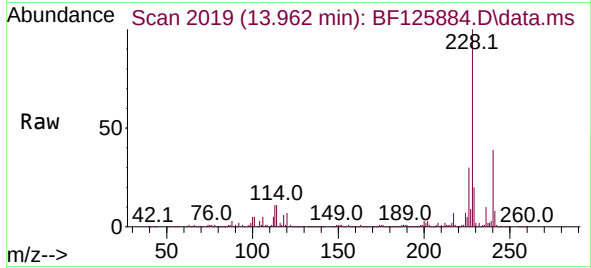




#81
Benzo(a)anthracene
Concen: 14.247 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

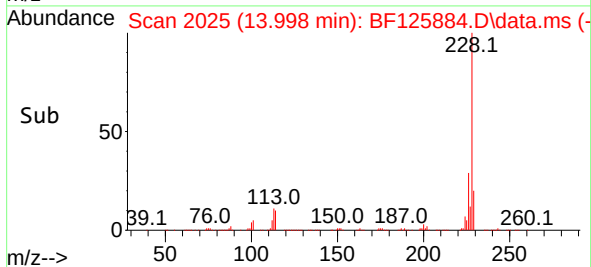
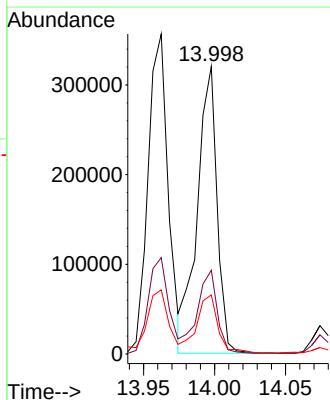
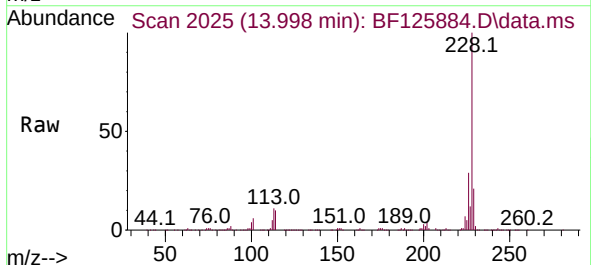
Instrument :
BNA_F
ClientSampleId :
TP1-(S)

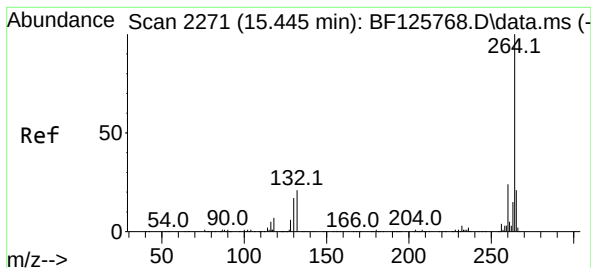
Tgt Ion:228 Resp: 349443
Ion Ratio Lower Upper
228 100
226 30.1 21.6 32.4
229 20.1 15.6 23.4



#83
Chrysene
Concen: 12.809 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion:228 Resp: 310547
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 20.6 15.9 23.9

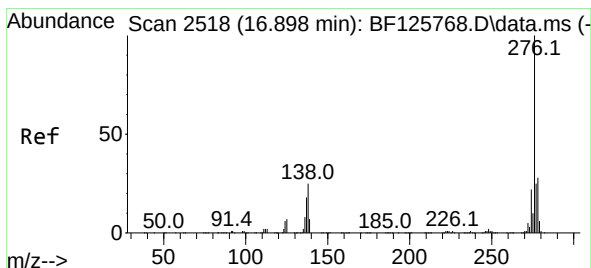
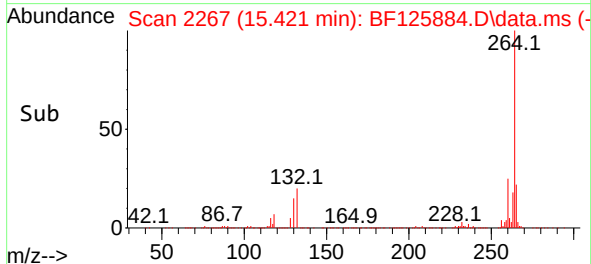
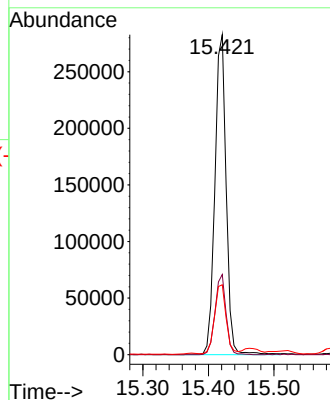
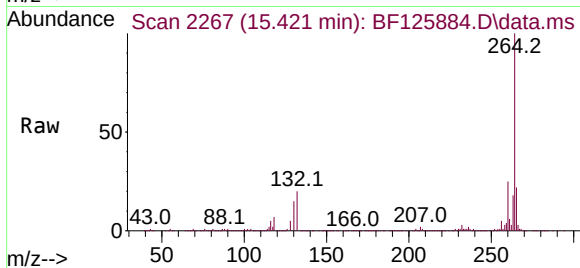




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

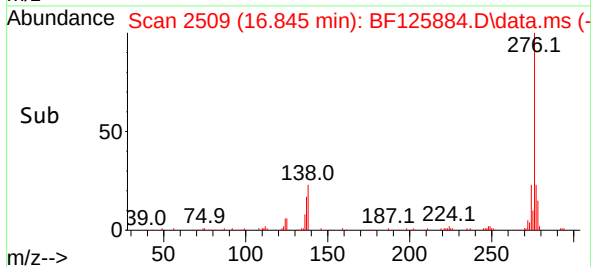
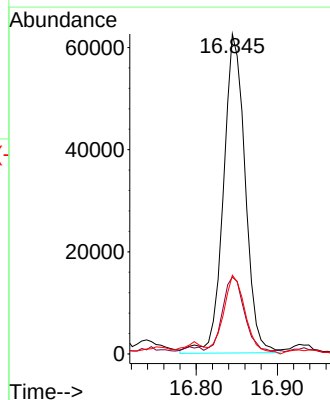
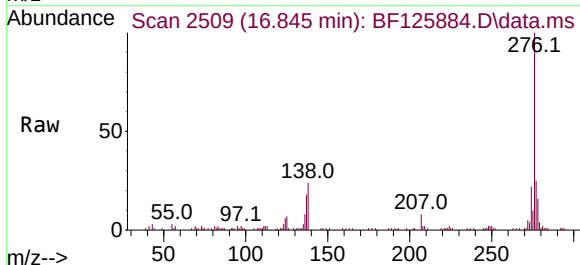
Instrument :
BNA_F
ClientSampleId :
TP1-(S)

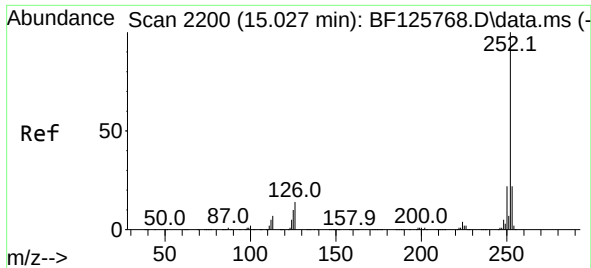
Tgt Ion:264	Resp:	337549
Ion Ratio	Lower	Upper
264	100	
260	25.0	19.6 29.4
265	21.8	17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.526 ng
RT: 16.845 min Scan# 2509
Delta R.T. -0.018 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion:276	Resp:	116606
Ion Ratio	Lower	Upper
276	100	
138	25.8	24.1 36.1
277	24.6	18.8 28.2

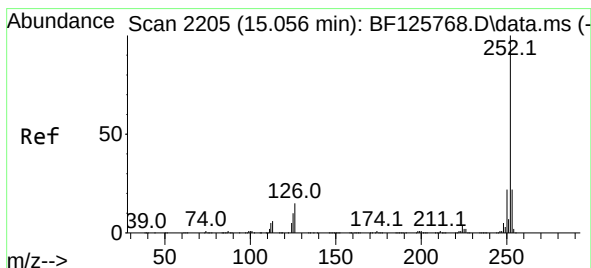
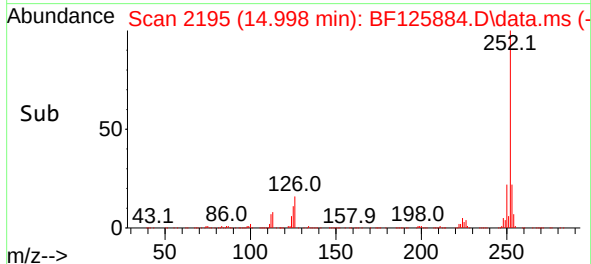
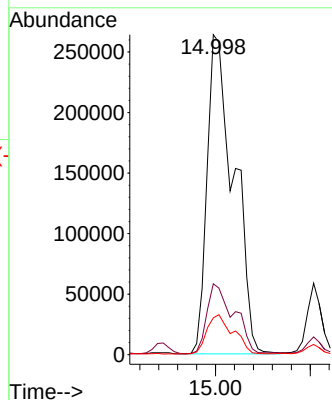
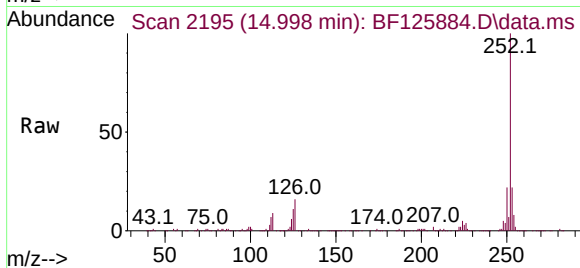




#88
Benzo(b)fluoranthene
Concen: 27.195 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

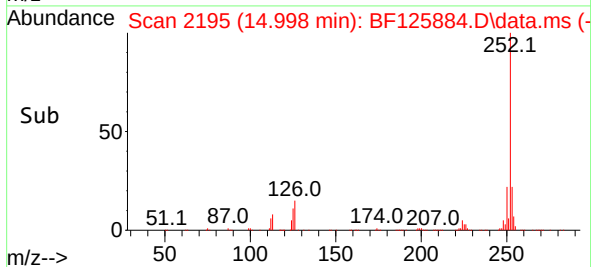
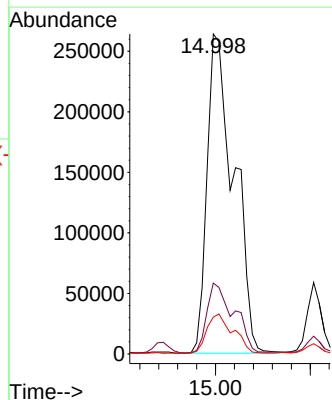
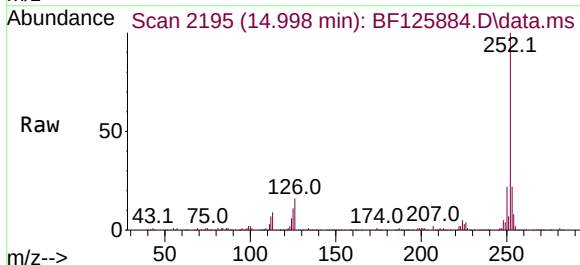
Instrument :
BNA_F
ClientSampled :
TP1-(S)

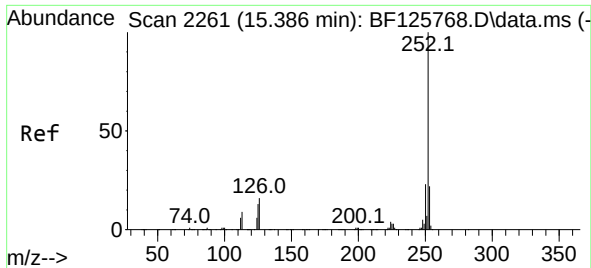
Tgt Ion:252 Resp: 518250
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 11.5 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 26.487 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.030 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion:252 Resp: 518250
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 11.5 7.2 10.8#

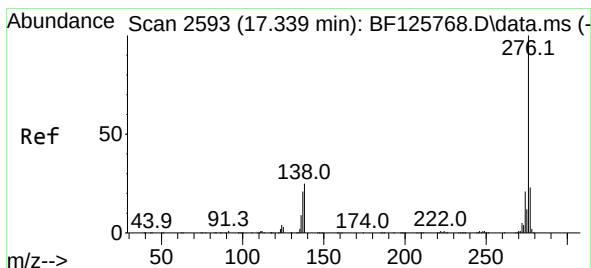
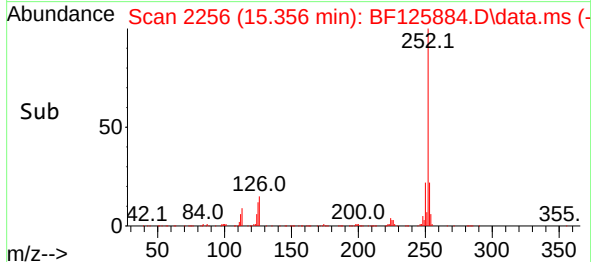
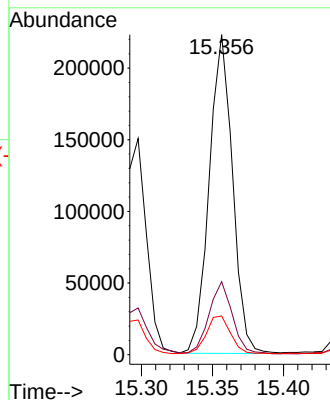
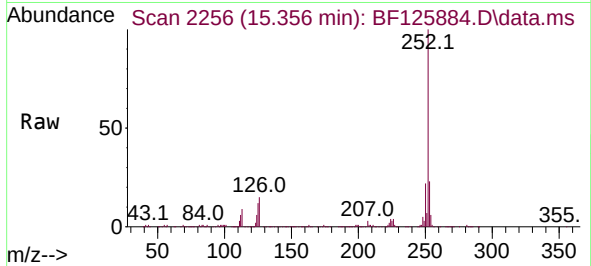




#90
Benzo(a)pyrene
Concen: 15.013 ng
RT: 15.356 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Instrument :
BNA_F
ClientSampled :
TP1-(S)

Tgt Ion:252 Resp: 253358
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 12.1 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 4.826 ng
RT: 17.280 min Scan# 2583
Delta R.T. -0.018 min
Lab File: BF125884.D
Acq: 18 Oct 2021 18:52

Tgt Ion:276 Resp: 104734
Ion Ratio Lower Upper
276 100
277 23.1 22.0 33.0
138 26.6 22.2 33.4

