

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022122\
 Data File : BF126996.D
 Acq On : 22 Feb 2022 01:56
 Operator : CG\JU
 Sample : N1579-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(3.0-3.5)

Quant Time: Feb 22 03:55:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 21 13:16:57 2022
 Response via : Initial Calibration

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

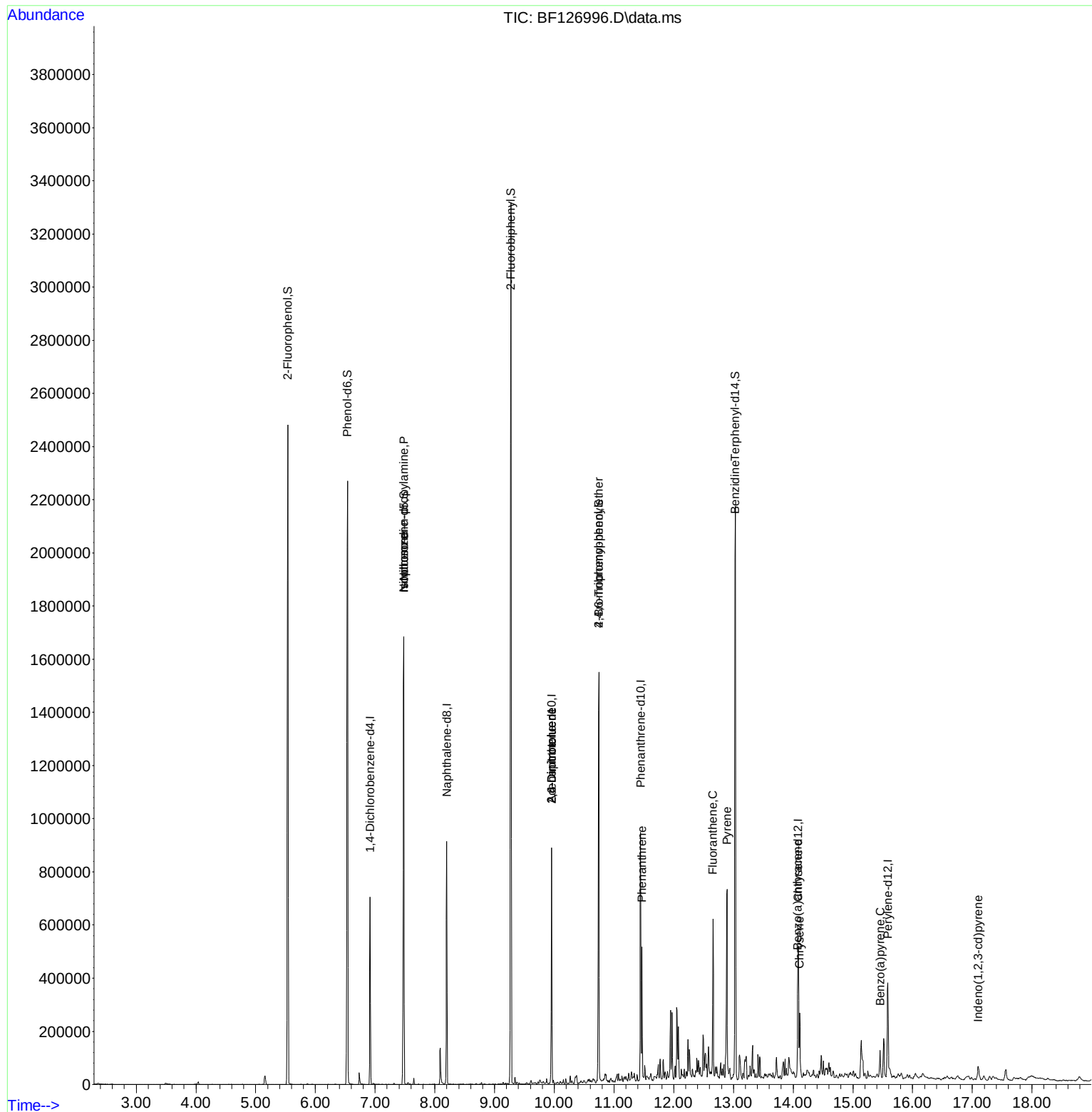
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	84041	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	349273	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	180316	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	297976	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	127810	20.000	ng	#-0.01
86) Perylene-d12	15.586	264	152144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	580829	106.819	ng	0.00
7) Phenol-d6	6.539	99	779484	106.238	ng	0.00
23) Nitrobenzene-d5	7.481	82	561236	72.530	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	173019	83.339	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	890088	72.670	ng	0.00
79) Terphenyl-d14	13.033	244	698785	80.373	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	76737	16.231	ng	# 76
25) Isophorone	7.481	82	560244	43.754	ng	# 69
51) 2,6-Dinitrotoluene	9.957	165	22882	8.726	ng	# 22
57) 2,4-Dinitrotoluene	9.957	165	22882	6.454	ng	# 16
67) 4-Bromophenyl-phenylether	10.745	248	10143	3.047	ng	# 1
71) Phenanthrene	11.469	178	159273	9.550	ng	99
75) Fluoranthene	12.657	202	187349	11.831	ng	95
77) Benzidine	13.027	184	11023	3.174	ng	# 93
78) Pyrene	12.892	202	287372	25.880	ng	98
81) Benzo(a)anthracene	14.074	228	88519	10.273	ng	98
83) Chrysene	14.110	228	85150	10.509	ng	99
87) Indeno(1,2,3-cd)pyrene	17.098	276	32217	3.229	ng	# 85
90) Benzo(a)pyrene	15.457	252	44720	5.603	ng	96

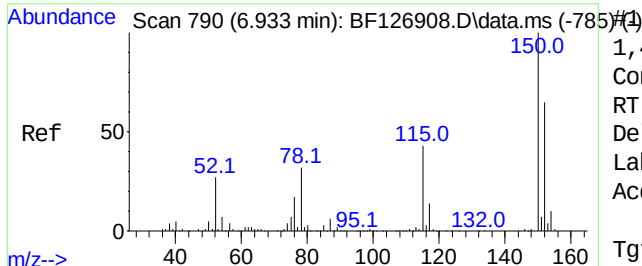
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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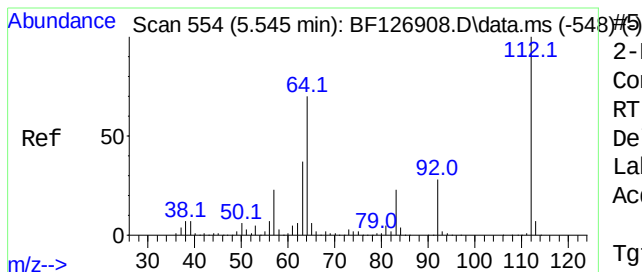
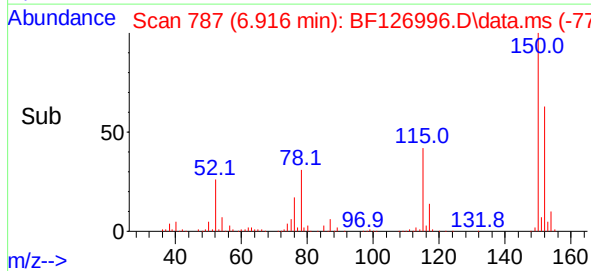
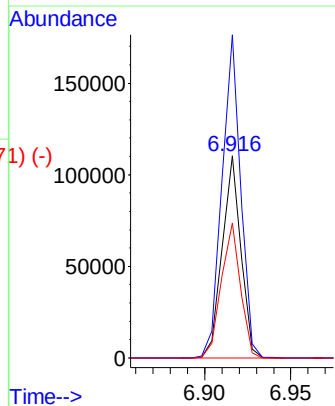
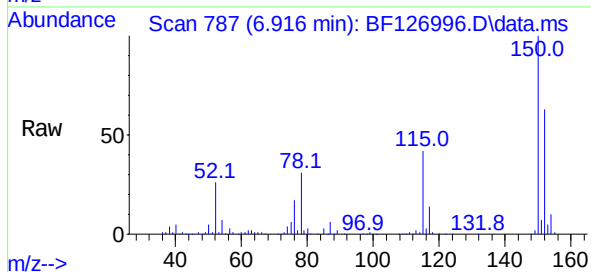




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.916 min Scan#
 Delta R.T. -0.006 min
 Lab File: BF126996.D
 Acq: 22 Feb 2022 01:56

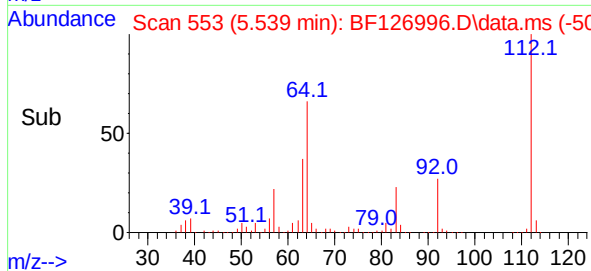
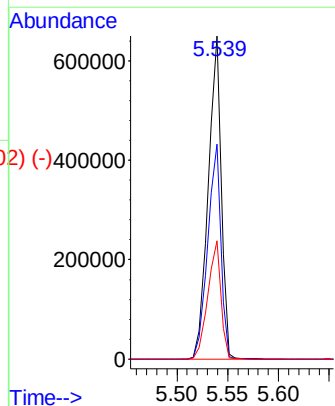
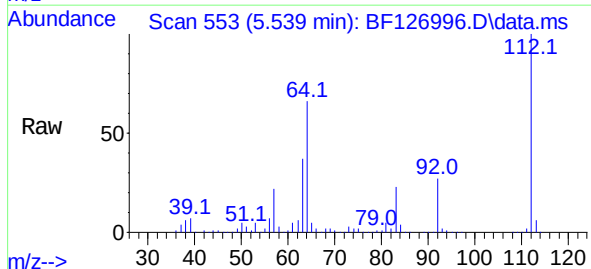
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(3.0-3.5)

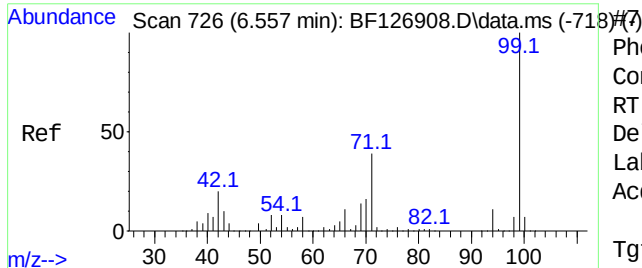
Tgt Ion:152 Resp: 84041
 Ion Ratio Lower Upper
 152 100
 150 159.8 128.1 192.1
 115 66.7 56.7 85.1



2-Fluorophenol
 Concen: 106.819 ng
 RT: 5.539 min Scan# 553
 Delta R.T. -0.000 min
 Lab File: BF126996.D
 Acq: 22 Feb 2022 01:56

Tgt Ion:112 Resp: 580829
 Ion Ratio Lower Upper
 112 100
 64 66.4 49.5 74.3
 63 36.6 23.9 35.9#

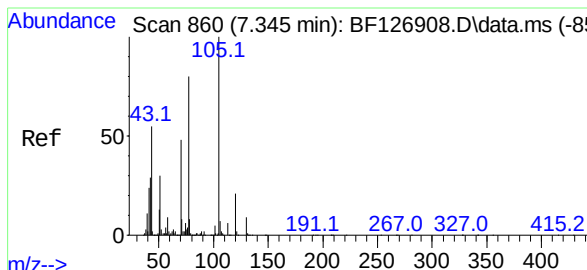
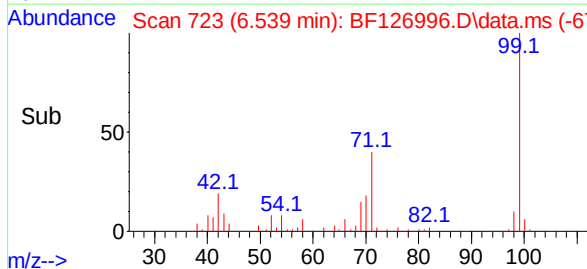
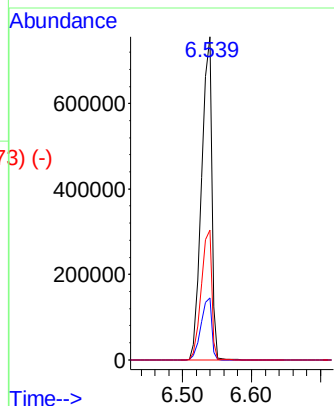
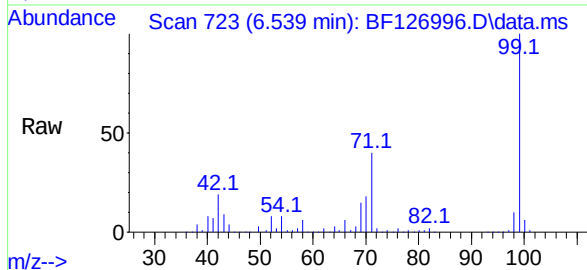




Phenol-d6
 Concen: 106.238 ng
 RT: 6.539 min Scan#
 Delta R.T. -0.006 min
 Lab File: BF126996.D
 Acq: 22 Feb 2022 01:56

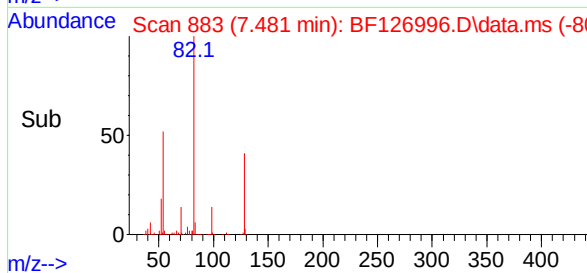
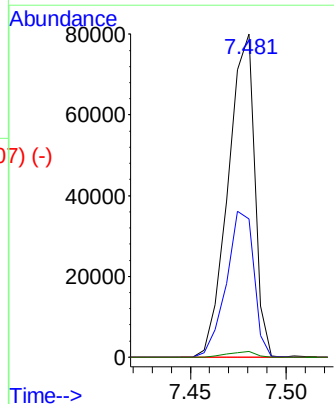
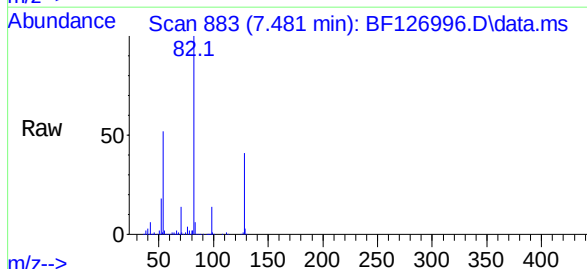
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(3.0-3.5)

Tgt Ion: 99 Resp: 779484
 Ion Ratio Lower Upper
 99 100
 42 19.2 14.2 21.4
 71 40.2 24.3 36.5#

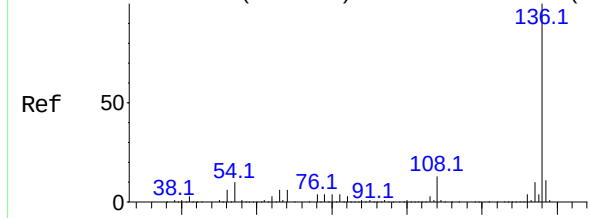


n-Nitroso-di-n-propylamine
 Concen: 16.231 ng
 RT: 7.481 min Scan# 883
 Delta R.T. 0.147 min
 Lab File: BF126996.D
 Acq: 22 Feb 2022 01:56

Tgt Ion: 70 Resp: 76737
 Ion Ratio Lower Upper
 70 100
 42 42.7 45.8 68.8#
 101 0.0 6.9 10.3#
 130 1.7 14.4 21.6#



Abundance Scan 1008 (8.216 min): BF126908.D\data.ms (-10621)



Naphthalene-d8

Concen: 20.000 ng

RT: 8.198 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SB-6-(3.0-3.5)

Tgt Ion:136 Resp: 349273

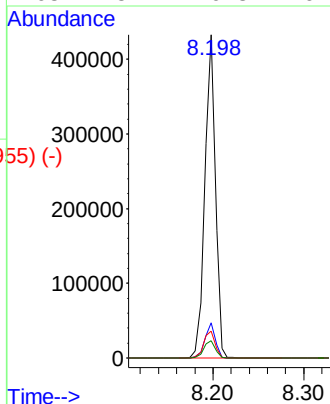
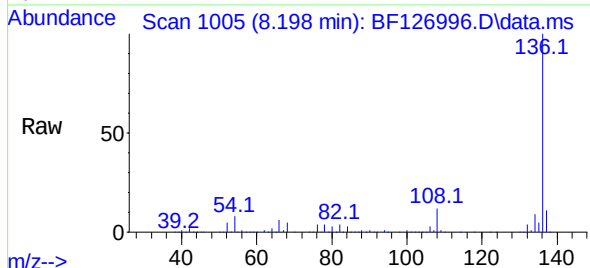
Ion Ratio Lower Upper

136 100

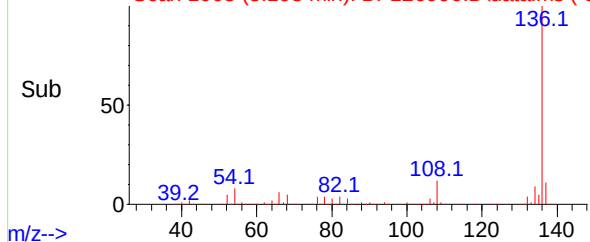
137 10.9 8.6 13.0

54 8.3 7.8 11.6

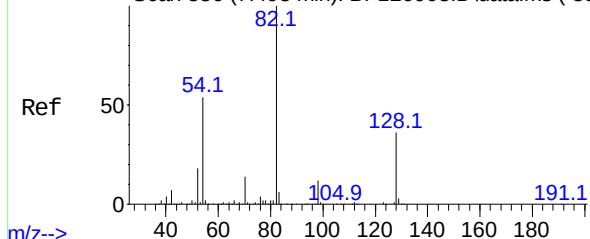
68 5.2 6.3 9.5#



Abundance Scan 1005 (8.198 min): BF126996.D\data.ms (-955) (-)



Abundance Scan 886 (7.498 min): BF126908.D\data.ms (-880) #23



Nitrobenzene-d5

Concen: 72.530 ng

RT: 7.481 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

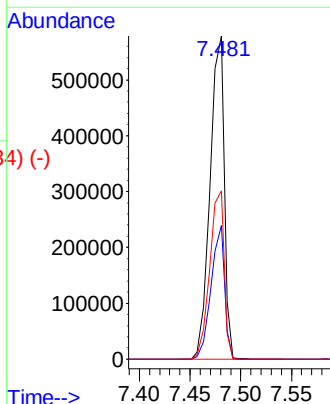
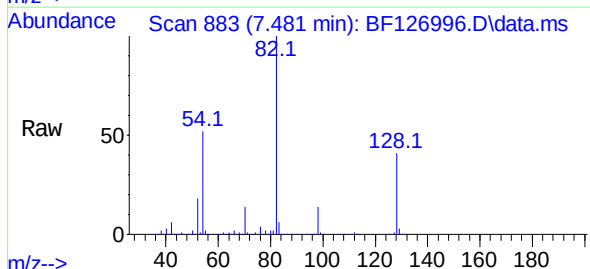
Tgt Ion: 82 Resp: 561236

Ion Ratio Lower Upper

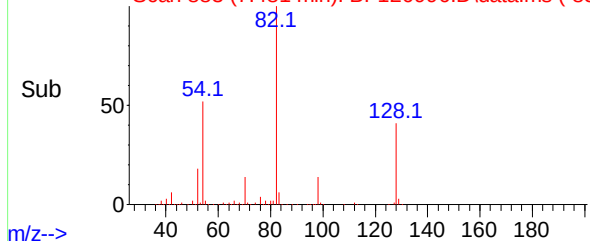
82 100

128 41.3 32.7 49.1

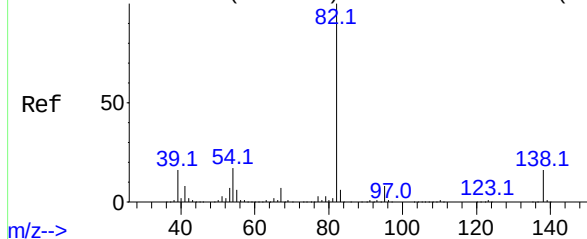
54 52.1 41.7 62.5



Abundance Scan 883 (7.481 min): BF126996.D\data.ms (-834) (-)



Abundance Scan 930 (7.757 min): BF126908.D\data.ms (-923) #25



Isophorone

Concen: 43.754 ng

RT: 7.481 min Scan# 81

Delta R.T. -0.265 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SB-6-(3.0-3.5)

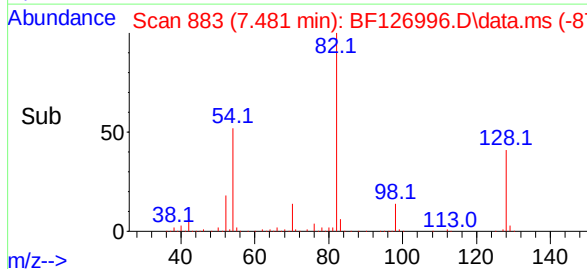
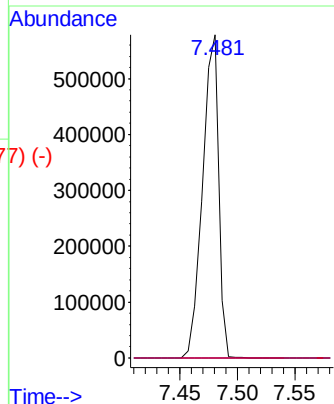
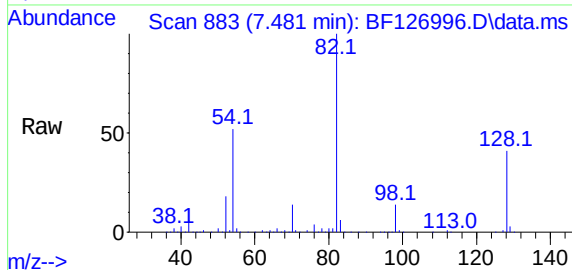
Tgt Ion: 82 Resp: 560244

Ion Ratio Lower Upper

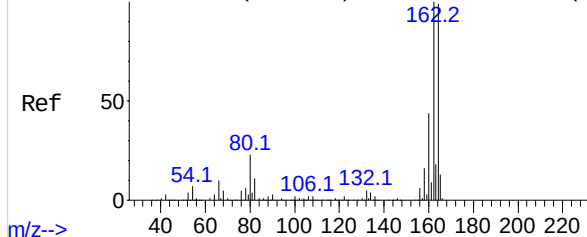
82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#



Abundance Scan 1307 (9.974 min): BF126908.D\data.ms (-1304) #39



Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

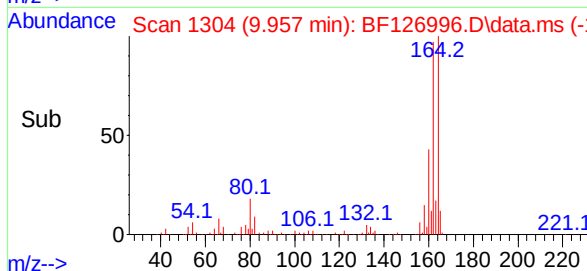
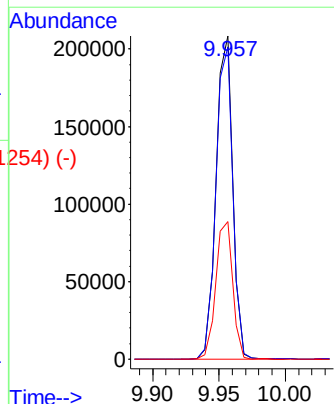
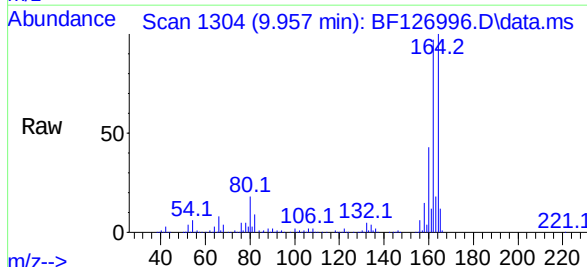
Tgt Ion:164 Resp: 180316

Ion Ratio Lower Upper

164 100

162 96.7 81.4 122.0

160 42.5 36.6 54.8



Abundance Scan 1442 (10.769 min): BF126908.D\data.ms (-1442) (-)

2,4,6-Tribromophenol

Concen: 83.339 ng

RT: 10.745 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SB-6-(3.0-3.5)

Tgt Ion:330 Resp: 173019

Ion Ratio Lower Upper

330 100

332 95.7 76.0 114.0

141 37.9 30.1 45.1

Abundance Scan 1438 (10.745 min): BF126996.D\data.ms

m/z-->

Ref

62.0 140.9 221.9 329.8

102.9

Raw

62.0 141.0 222.9 329.8

102.9 181.1

m/z-->

Abundance Scan 1438 (10.745 min): BF126996.D\data.ms (-1388) (-)

m/z-->

Sub

62.0 141.0 221.9 329.8

102.9 181.1

m/z-->

Abundance

10.745

200000

150000

100000

50000

0

Time-->

Abundance Scan 1191 (9.292 min): BF126908.D\data.ms (-1184) (-)

2-Fluorobiphenyl

Concen: 72.670 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Tgt Ion:172 Resp: 890088

Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.1 19.0 28.6

Abundance Scan 1188 (9.275 min): BF126996.D\data.ms

m/z-->

Ref

51.0 85.1 120.1 146.1 172.1

107.1

Raw

50.1 85.1 107.1 133.1 152.1 172.1

107.1

m/z-->

Abundance Scan 1188 (9.275 min): BF126996.D\data.ms (-1138) (-)

m/z-->

Sub

50.1 85.1 107.1 133.1 152.1 172.1

107.1

m/z-->

Abundance

9.275

1000000

800000

600000

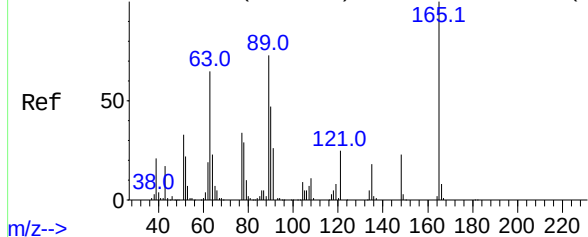
400000

200000

0

Time-->

Abundance Scan 1270 (9.757 min): BF126908.D\data.ms (-12651)



2,6-Dinitrotoluene

Concen: 8.726 ng

RT: 9.957 min Scan# 1304

Delta R.T. 0.212 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SB-6-(3.0-3.5)

Tgt Ion:165 Resp: 22882

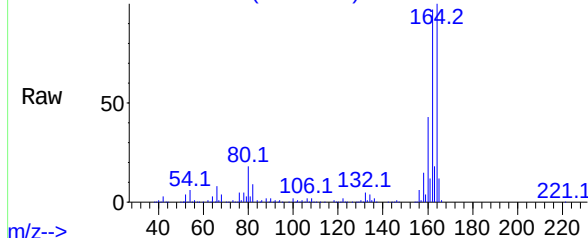
Ion Ratio Lower Upper

165 100

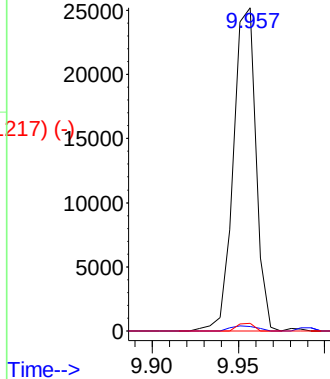
63 1.3 48.4 72.6#

89 2.3 50.5 75.7#

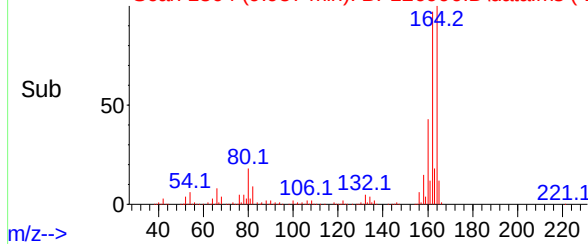
Abundance Scan 1304 (9.957 min): BF126996.D\data.ms



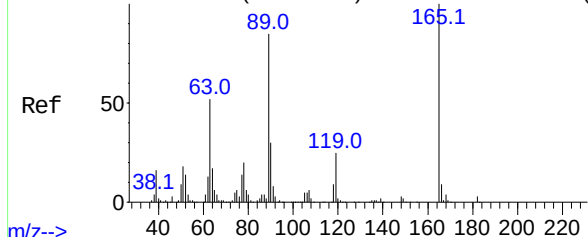
Abundance



Abundance Scan 1304 (9.957 min): BF126996.D\data.ms (-1217)



Abundance Scan 1339 (10.163 min): BF126908.D\data.ms (-1357)



2,4-Dinitrotoluene

Concen: 6.454 ng

RT: 9.957 min Scan# 1304

Delta R.T. -0.194 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Tgt Ion:165 Resp: 22882

Ion Ratio Lower Upper

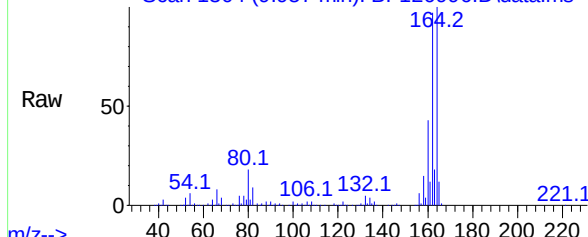
165 100

63 1.3 43.0 64.6#

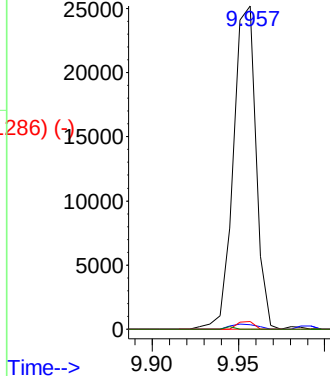
89 2.3 71.0 106.4#

182 0.0 1.6 2.4#

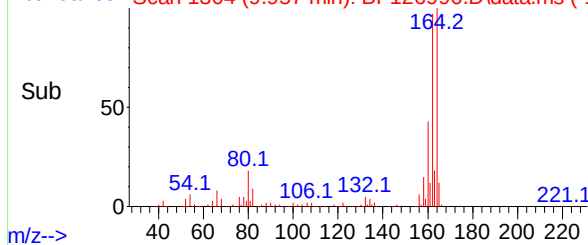
Abundance Scan 1304 (9.957 min): BF126996.D\data.ms

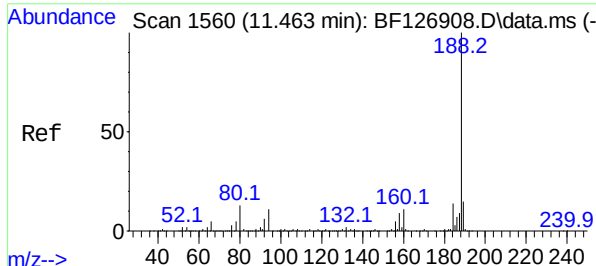


Abundance



Abundance Scan 1304 (9.957 min): BF126996.D\data.ms (-1286)

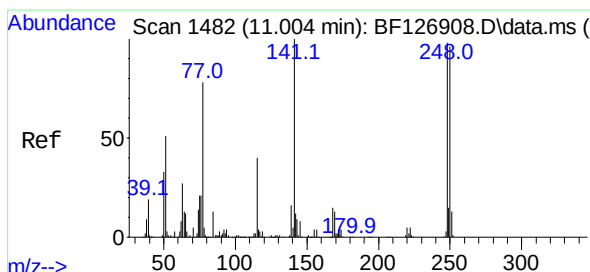
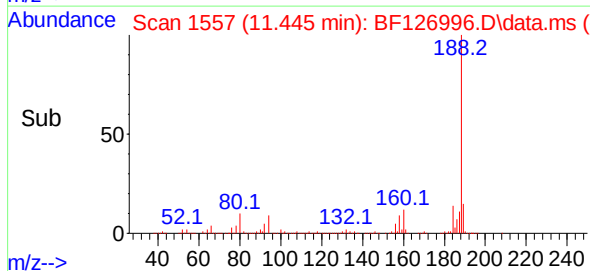
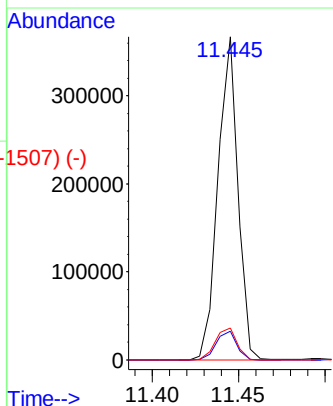
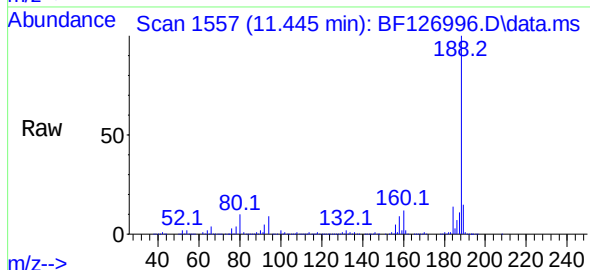




Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.445 min Scan# 1560
 Delta R.T. -0.006 min
 Lab File: BF126996.D
 Acq: 22 Feb 2022 01:56

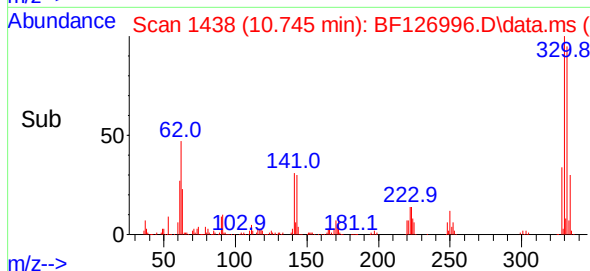
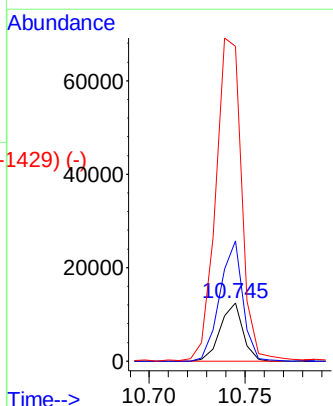
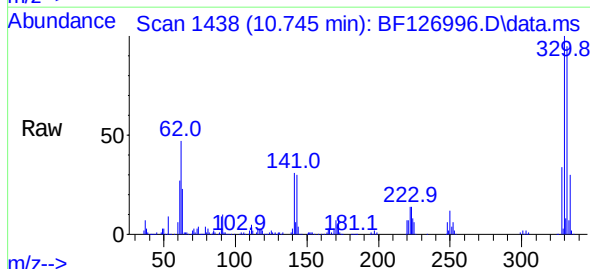
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(3.0-3.5)

Tgt Ion:	188	Resp:	297976
Ion	Ratio	Lower	Upper
188	100		
94	9.0	10.1	15.1#
80	9.9	11.8	17.6#

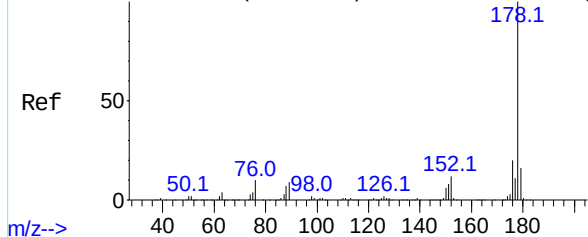


4-Bromophenyl-phenylether
 Concen: 3.047 ng
 RT: 10.745 min Scan# 1438
 Delta R.T. -0.247 min
 Lab File: BF126996.D
 Acq: 22 Feb 2022 01:56

Tgt Ion:	248	Resp:	10143
Ion	Ratio	Lower	Upper
248	100		
250	206.6	76.2	114.4#
141	541.6	66.2	99.4#



Abundance Scan 1565 (11.492 min): BF126908.D\data.ms (-1558) (-)



Phenanthrene

Concen: 9.550 ng

RT: 11.469 min Scan# 1561

Delta R.T. -0.012 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SB-6-(3.0-3.5)

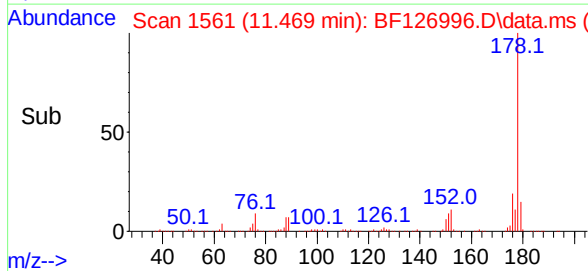
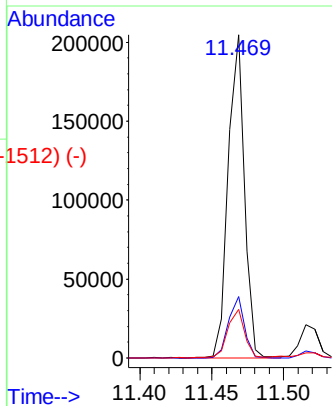
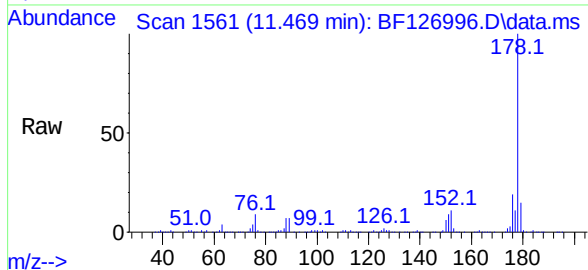
Tgt Ion:178 Resp: 159273

Ion Ratio Lower Upper

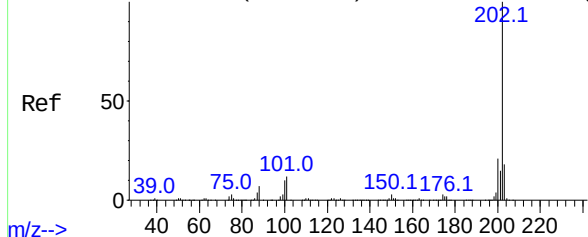
178 100

176 19.0 15.7 23.5

179 14.9 12.3 18.5



Abundance Scan 1767 (12.680 min): BF126908.D\data.ms (-1765) (-)



Fluoranthene

Concen: 11.831 ng

RT: 12.657 min Scan# 1763

Delta R.T. -0.012 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

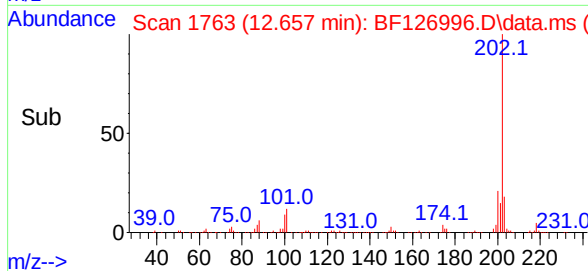
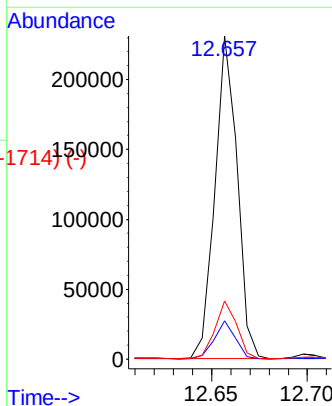
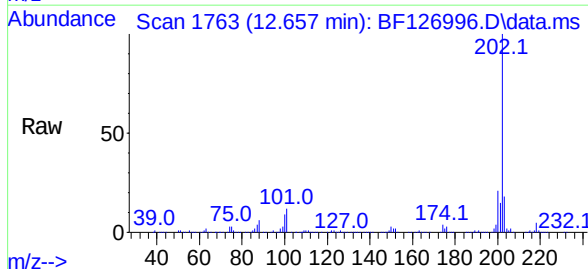
Tgt Ion:202 Resp: 187349

Ion Ratio Lower Upper

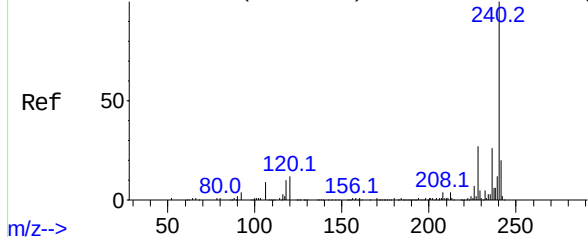
202 100

101 11.9 0.0 35.7

203 18.0 0.0 37.1



Abundance Scan 2010 (14.110 min): BF126908.D\data.ms (-2074) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SB-6-(3.0-3.5)

Tgt Ion:240 Resp: 127810

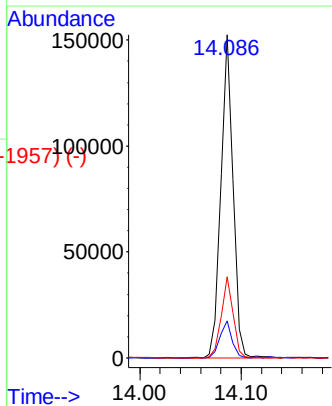
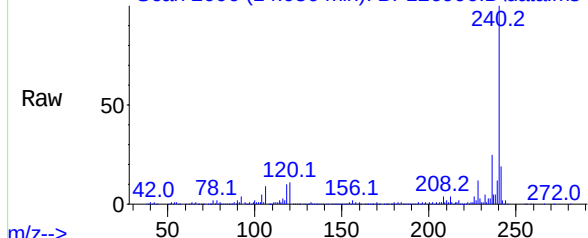
Ion Ratio Lower Upper

240 100

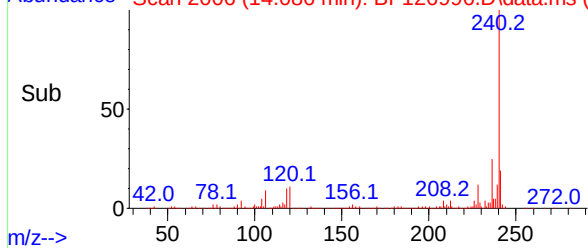
120 11.5 14.4 21.6#

236 25.2 20.5 30.7

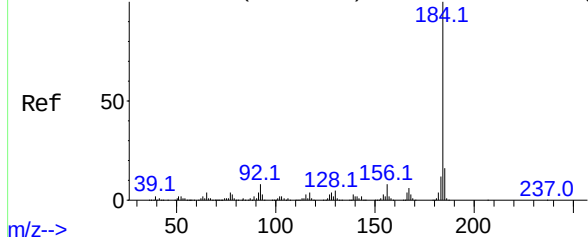
Abundance Scan 2006 (14.086 min): BF126996.D\data.ms



Abundance Scan 2006 (14.086 min): BF126996.D\data.ms (-1957) (-)



Abundance Scan 1787 (12.798 min): BF126908.D\data.ms (-1787) (-)



Benzidine

Concen: 3.174 ng

RT: 13.027 min Scan# 1826

Delta R.T. 0.241 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Tgt Ion:184 Resp: 11023

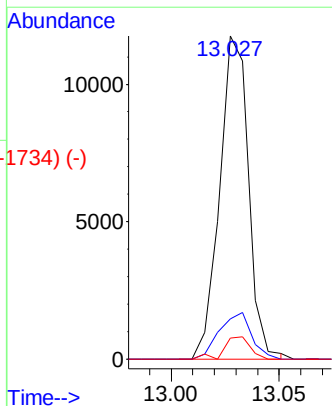
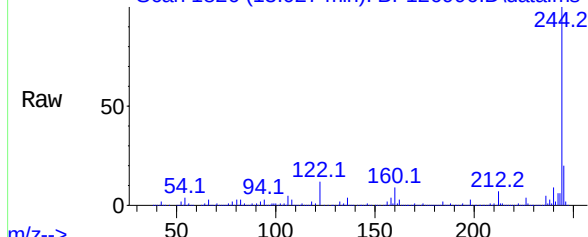
Ion Ratio Lower Upper

184 100

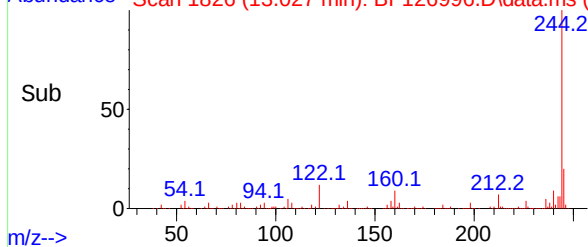
185 12.5 11.8 17.8

183 6.5 8.2 12.2#

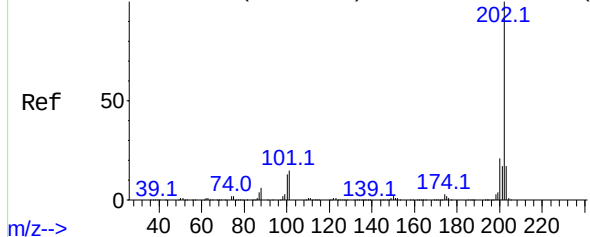
Abundance Scan 1826 (13.027 min): BF126996.D\data.ms



Abundance Scan 1826 (13.027 min): BF126996.D\data.ms (-1734) (-)



Abundance Scan 1806 (12.910 min): BF126908.D\data.ms (-1753) (-)



Pyrene

Concen: 25.880 ng

RT: 12.892 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SB-6-(3.0-3.5)

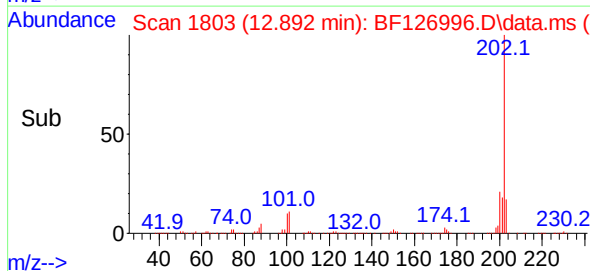
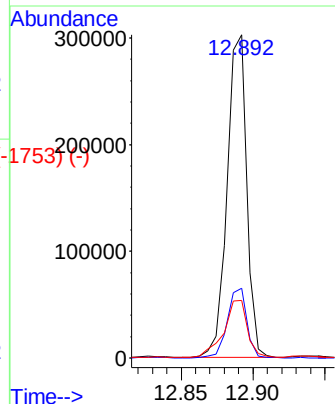
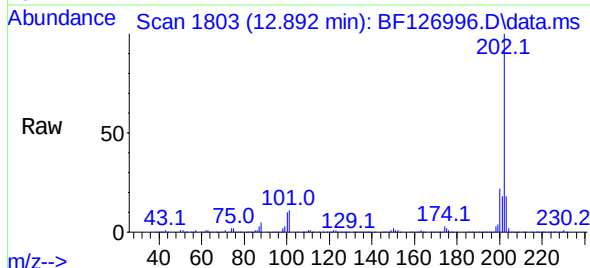
Tgt Ion:202 Resp: 287372

Ion Ratio Lower Upper

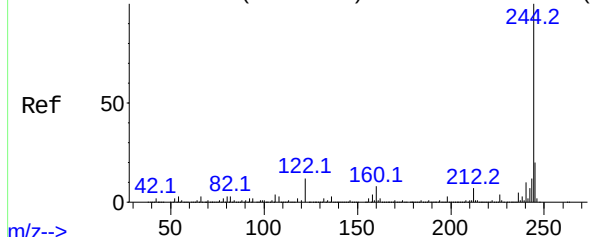
202 100

200 21.6 16.6 24.8

203 17.8 13.8 20.8



Abundance Scan 1830 (13.051 min): BF126908.D\data.ms (-1779) (-)



Terphenyl-d14

Concen: 80.373 ng

RT: 13.033 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

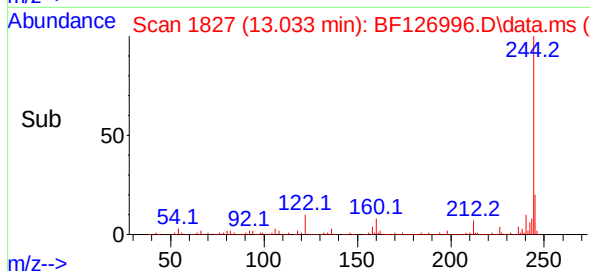
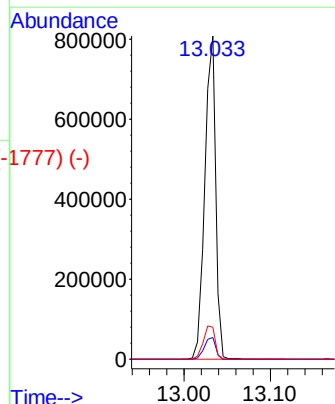
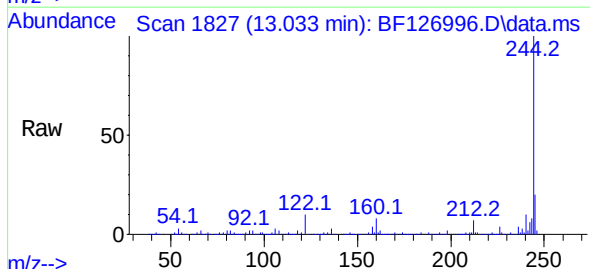
Tgt Ion:244 Resp: 698785

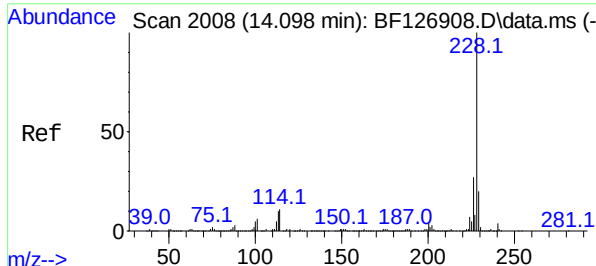
Ion Ratio Lower Upper

244 100

212 6.8 5.0 7.4

122 9.8 13.3 19.9#

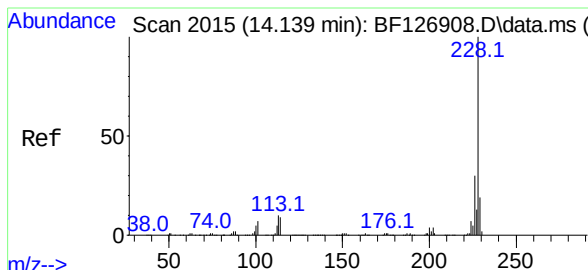
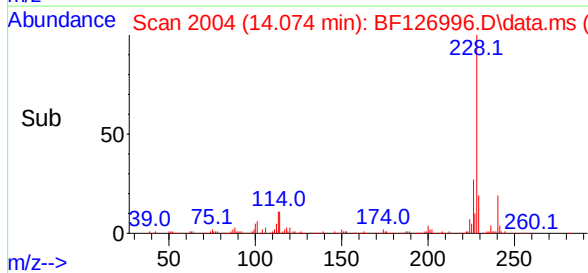
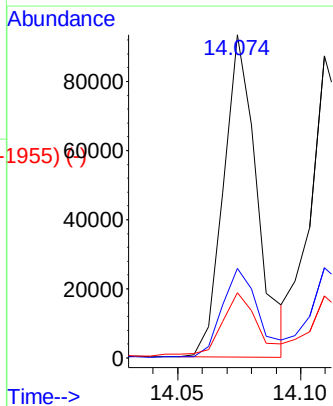
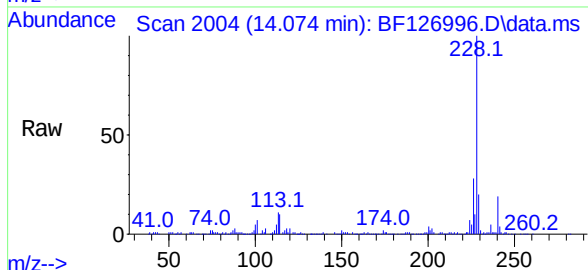




Benzo(a)anthracene
 Concen: 10.273 ng
 RT: 14.074 min Scan# 2004
 Delta R.T. -0.012 min
 Lab File: BF126996.D
 Acq: 22 Feb 2022 01:56

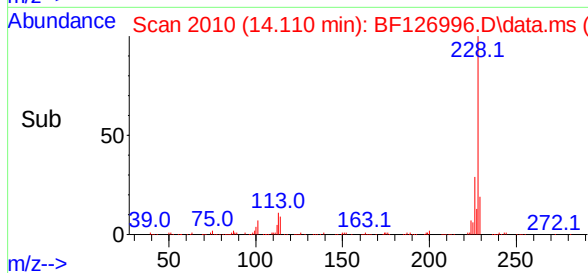
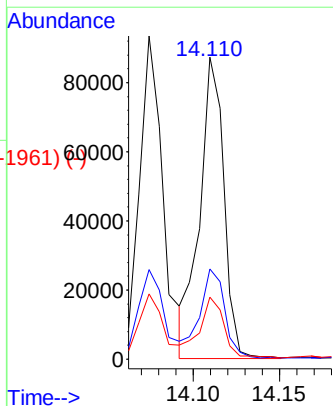
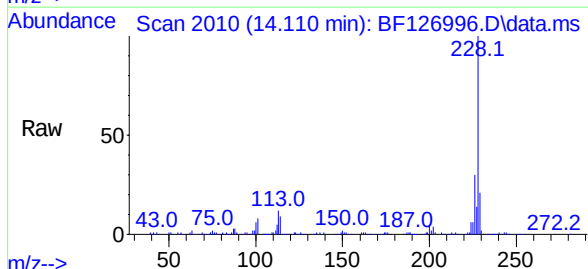
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(3.0-3.5)

Tgt Ion:	228	Resp:	88519
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.4	32.0
229	20.2	15.4	23.2

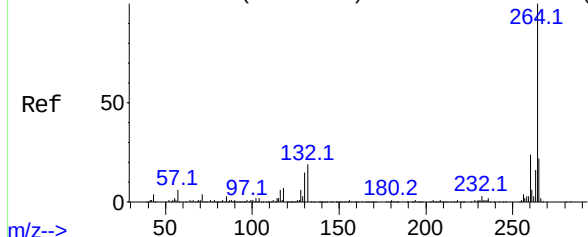


Chrysene
 Concen: 10.509 ng
 RT: 14.110 min Scan# 2010
 Delta R.T. -0.012 min
 Lab File: BF126996.D
 Acq: 22 Feb 2022 01:56

Tgt Ion:	228	Resp:	85150
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.7	35.5
229	20.5	15.5	23.3



Abundance Scan 2265 (15.609 min): BF126908.D\data.ms (-2286) (-)



Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SB-6-(3.0-3.5)

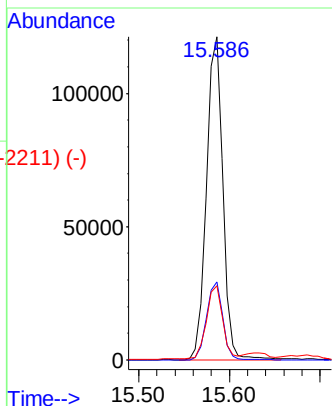
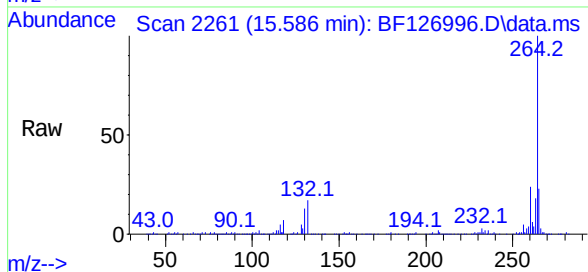
Tgt Ion:264 Resp: 152144

Ion Ratio Lower Upper

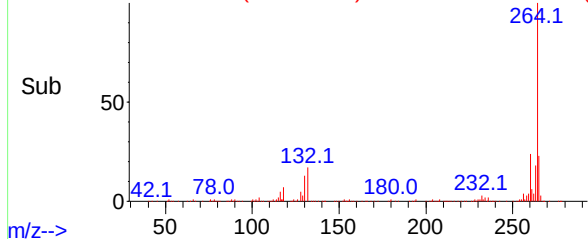
264 100

260 24.2 19.2 28.8

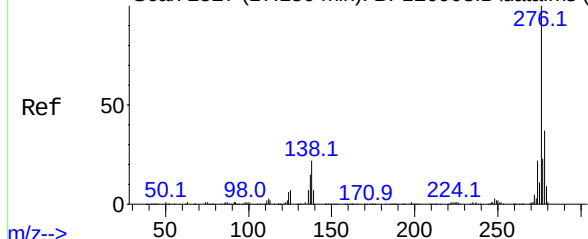
265 23.0 17.4 26.2



Abundance Scan 2261 (15.586 min): BF126996.D\data.ms (-2211) (-)



Abundance Scan 2527 (17.150 min): BF126908.D\data.ms (-2587) (-)



Indeno(1,2,3-cd)pyrene

Concen: 3.229 ng

RT: 17.098 min Scan# 2518

Delta R.T. -0.018 min

Lab File: BF126996.D

Acq: 22 Feb 2022 01:56

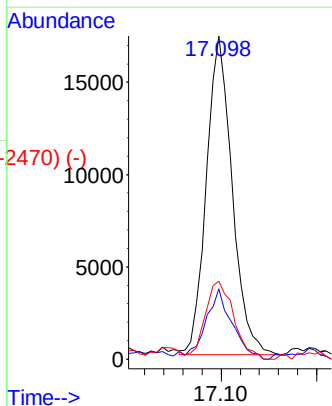
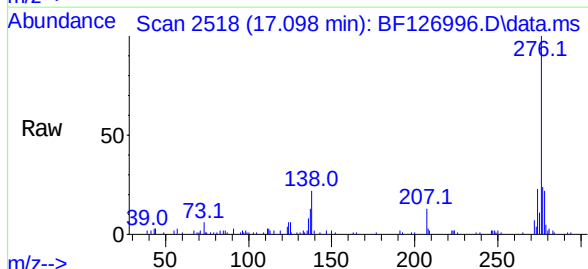
Tgt Ion:276 Resp: 32217

Ion Ratio Lower Upper

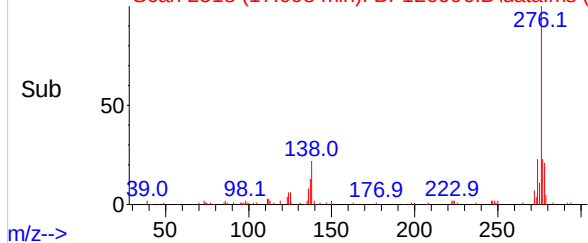
276 100

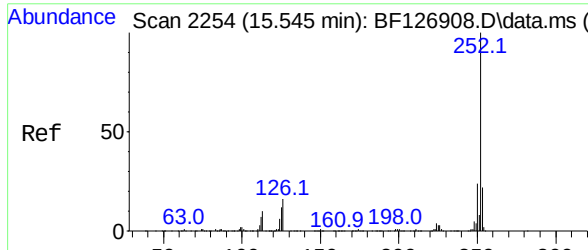
138 22.9 29.2 43.8#

277 27.1 19.8 29.8



Abundance Scan 2518 (17.098 min): BF126996.D\data.ms (-2470) (-)





Benzo(a)pyrene
 Concen: 5.603 ng
 RT: 15.457 min Scan# 2239
 Delta R.T. -0.071 min
 Lab File: BF126996.D
 Acq: 22 Feb 2022 01:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-(3.0-3.5)

Tgt Ion:	252	Resp:	44720
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	13.9	13.0	19.6

