

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
 Data File : BF126168.D
 Acq On : 13 Nov 2021 14:50
 Operator : JU/CG
 Sample : PB140745BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB140745BL

Quant Time: Nov 15 08:03:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

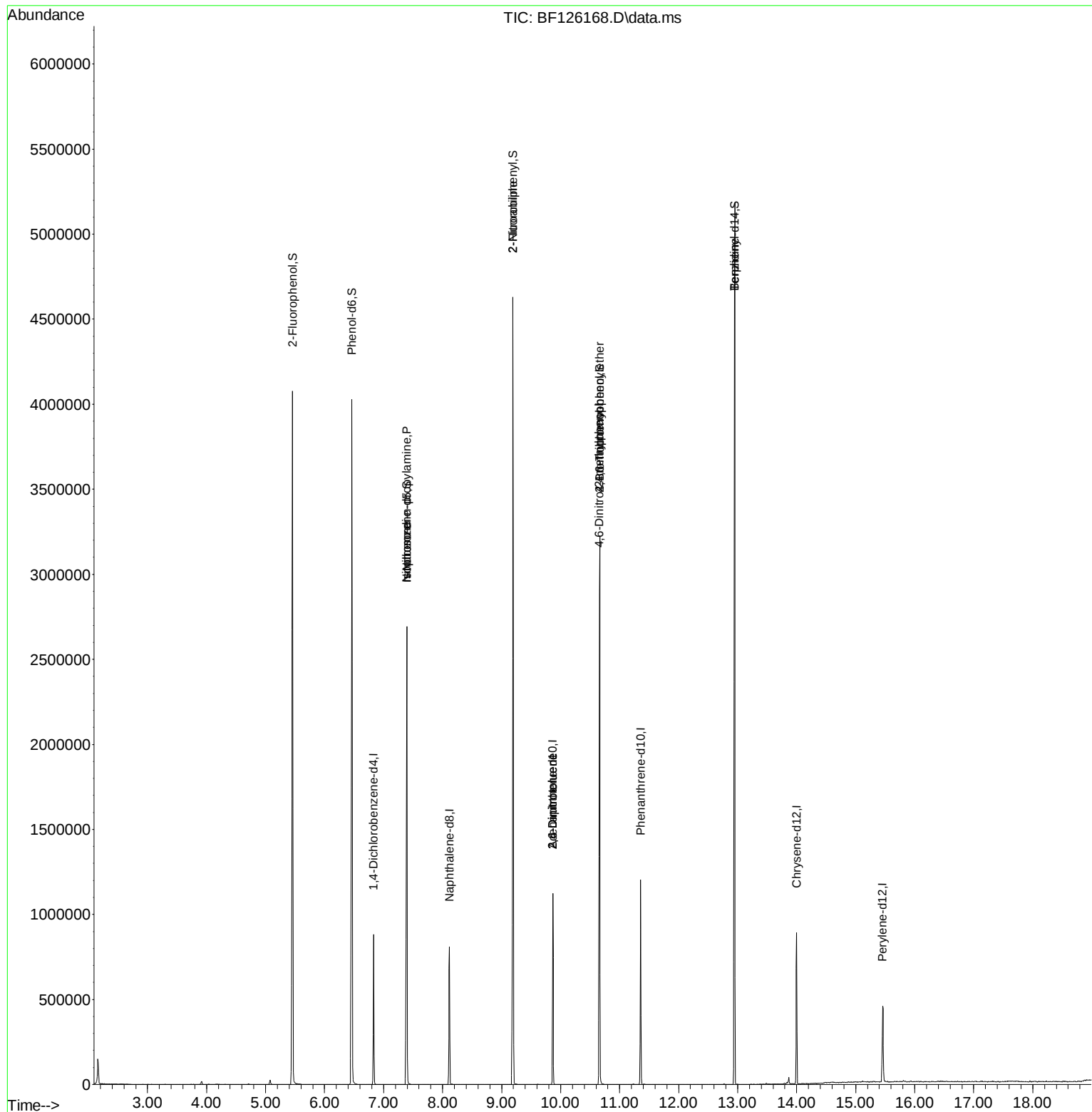
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	120503	20.00	ng	-0.03
21) Naphthalene-d8	8.116	136	347313	20.00	ng	-0.02
39) Acenaphthene-d10	9.869	164	213953	20.00	ng	-0.02
64) Phenanthrene-d10	11.357	188	410599	20.00	ng	#-0.02
76) Chrysene-d12	13.998	240	294923	20.00	ng	#-0.01
86) Perylene-d12	15.457	264	215483	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	921165	131.27	ng	0.00
7) Phenol-d6	6.463	99	1288886	130.30	ng	-0.02
23) Nitrobenzene-d5	7.392	82	941682	127.87	ng	-0.03
42) 2,4,6-Tribromophenol	10.663	330	385763	157.33	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	1418402	89.59	ng	-0.02
79) Terphenyl-d14	12.951	244	1806206	98.76	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.463	77	2637	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	134223	20.58	ng	# 61
25) Isophorone	7.392	82	934645	70.49	ng	# 59
48) 2-Nitroaniline	9.192	65	2926	3.50	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	26906	10.08	ng	# 28
57) 2,4-Dinitrotoluene	9.869	165	26906	9.70	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.657	198	1199	8.82	ng	# 15
67) 4-Bromophenyl-phenylether	10.663	248	25534	5.13	ng	# 1
77) Benzidine	12.951	184	27715	2.81	ng	# 91

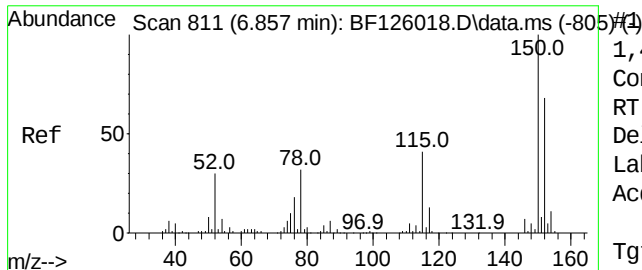
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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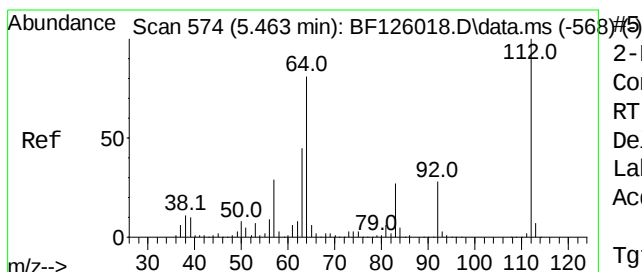
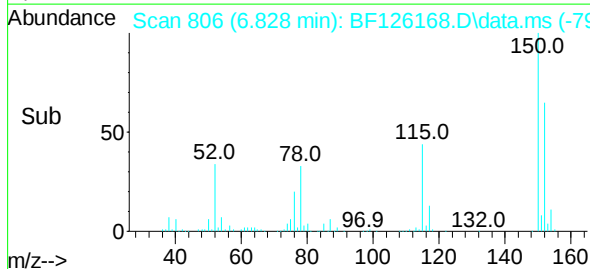
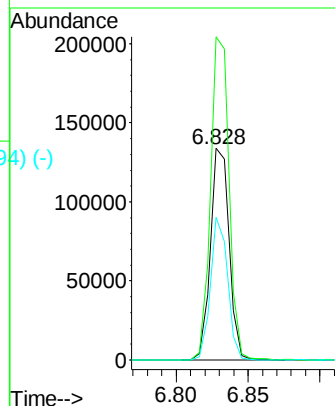
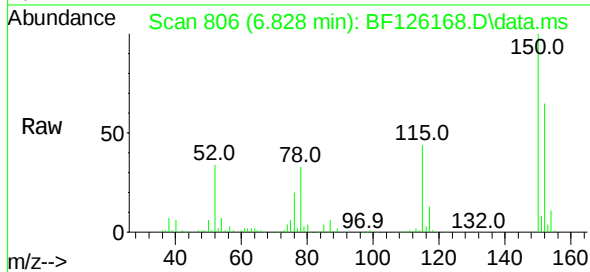




1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.828 min Scan# 811
 Delta R.T. -0.029 min
 Lab File: BF126168.D
 Acq: 13 Nov 2021 14:50

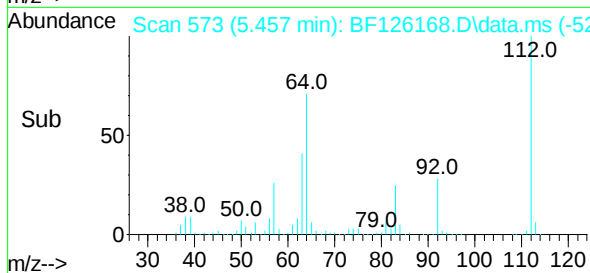
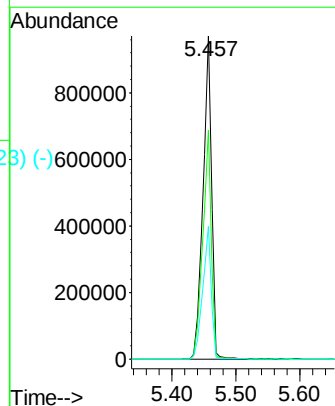
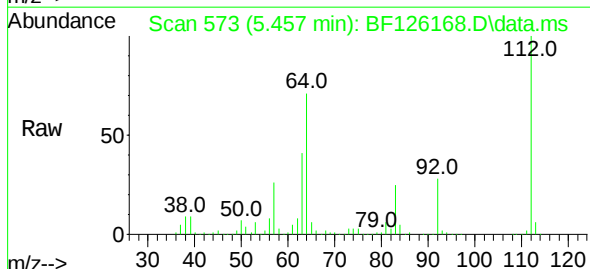
Instrument :
 BNA_F
 ClientSampleId :
 PB140745BL

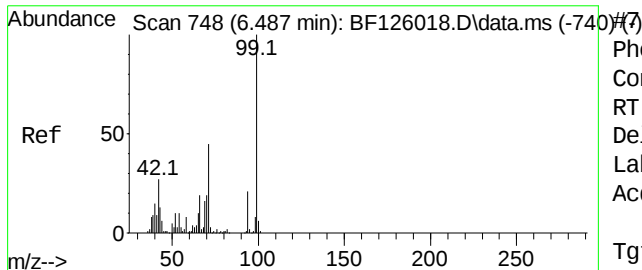
Tgt Ion:152 Resp: 120503
 Ion Ratio Lower Upper
 152 100
 150 152.7 117.6 176.4
 115 67.3 47.1 70.7



2-Fluorophenol
 Concen: 131.27 ng
 RT: 5.457 min Scan# 573
 Delta R.T. -0.006 min
 Lab File: BF126168.D
 Acq: 13 Nov 2021 14:50

Tgt Ion:112 Resp: 921165
 Ion Ratio Lower Upper
 112 100
 64 70.9 44.2 66.2#
 63 41.2 26.2 39.2#

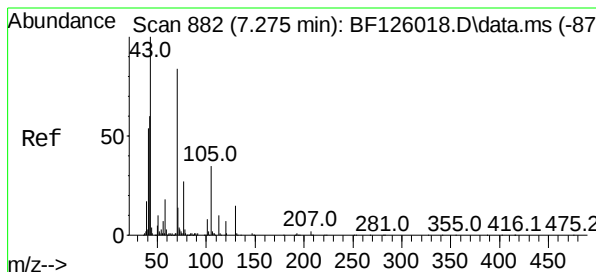
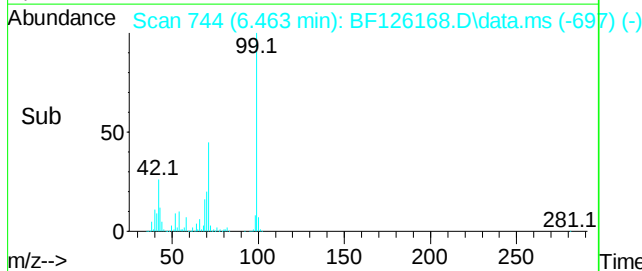
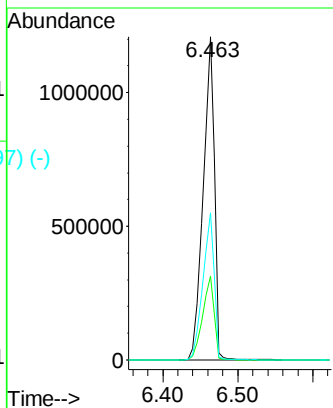
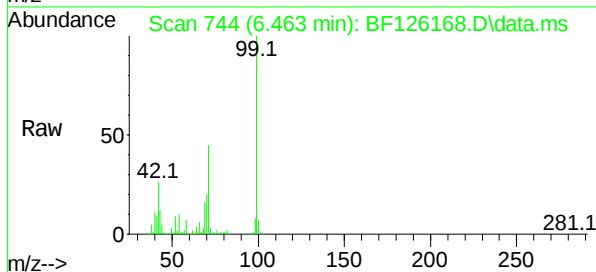




Phenol-d6
Concen: 130.30 ng
RT: 6.463 min Scan#
Delta R.T. -0.024 min
Lab File: BF126168.D
Acq: 13 Nov 2021 14:50

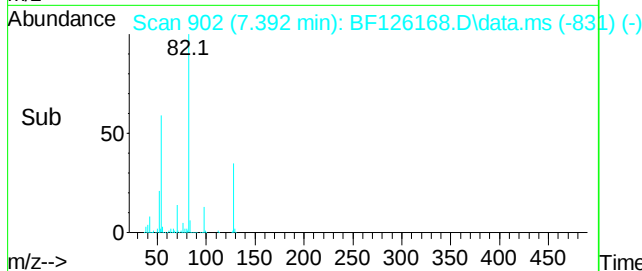
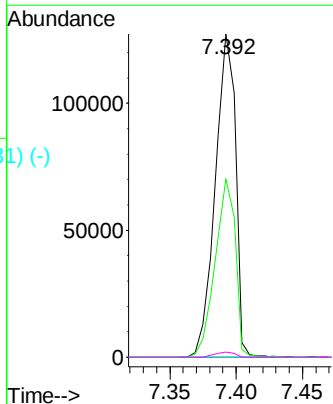
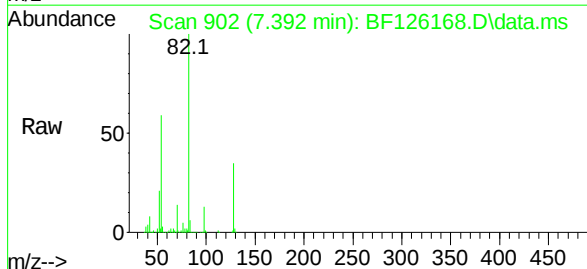
Instrument :
BNA_F
ClientSampleId :
PB140745BL

Tgt Ion: 99 Resp: 1288886
Ion Ratio Lower Upper
99 100
42 25.9 23.5 35.3
71 45.5 25.6 38.4#



n-Nitroso-di-n-propylamine
Concen: 20.58 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.118 min
Lab File: BF126168.D
Acq: 13 Nov 2021 14:50

Tgt Ion: 70 Resp: 134223
Ion Ratio Lower Upper
70 100
42 55.3 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#



Abundance Scan 1029 (8.139 min): BF126018.D\data.ms (-1029) #21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.116 min Scan# 1029

Delta R.T. -0.023 min

Lab File: BF126168.D

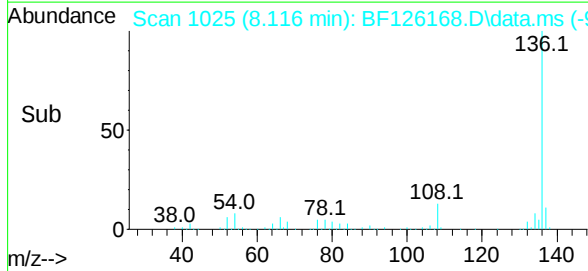
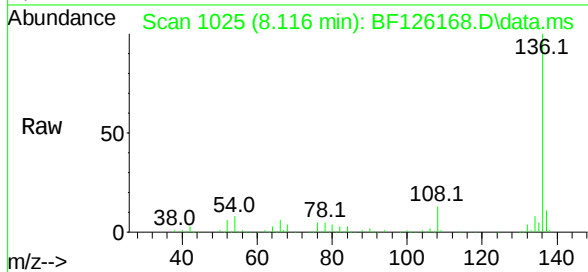
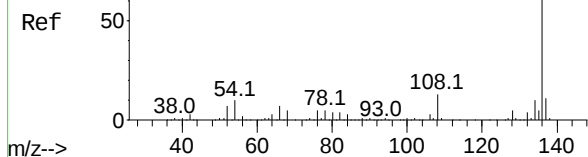
Acq: 13 Nov 2021 14:50

Instrument :

BNA_F

ClientSampleId :

PB140745BL



Tgt Ion:136 Resp: 347313

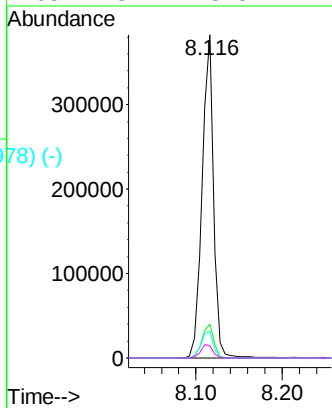
Ion Ratio Lower Upper

136 100

137 10.5 9.8 14.6

54 8.4 6.4 9.6

68 3.7 3.3 4.9



Abundance Scan 907 (7.422 min): BF126018.D\data.ms (-907) #23

Nitrobenzene-d5

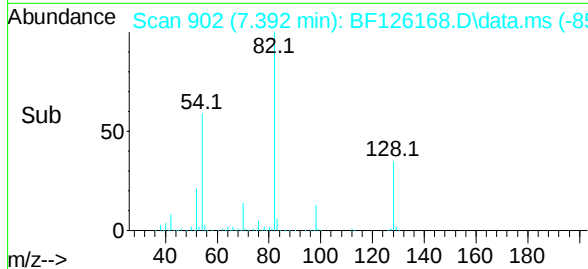
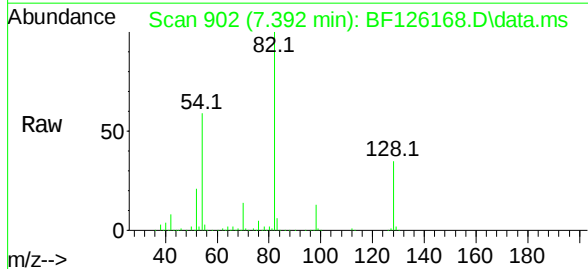
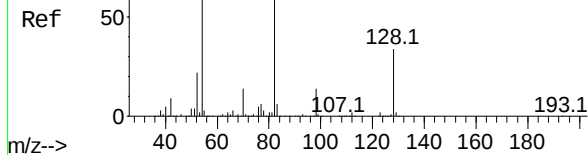
Concen: 127.87 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.030 min

Lab File: BF126168.D

Acq: 13 Nov 2021 14:50



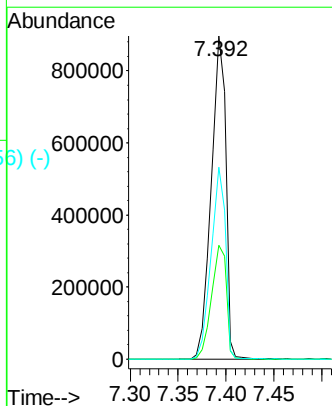
Tgt Ion: 82 Resp: 941682

Ion Ratio Lower Upper

82 100

128 35.3 40.6 60.8#

54 59.4 49.6 74.4



Abundance Scan 951 (7.681 min): BF126018.D\data.ms (-944) #25

Isophorone

Concen: 70.49 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.289 min

Lab File: BF126168.D

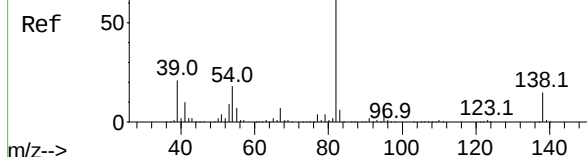
Acq: 13 Nov 2021 14:50

Instrument :

BNA_F

ClientSampleId :

PB140745BL



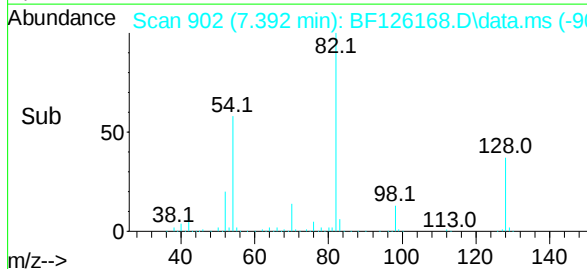
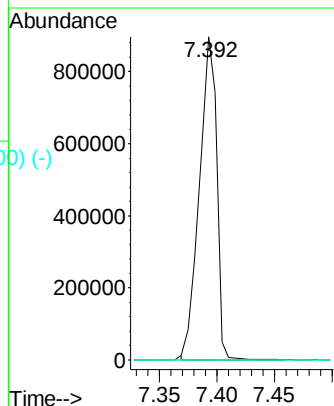
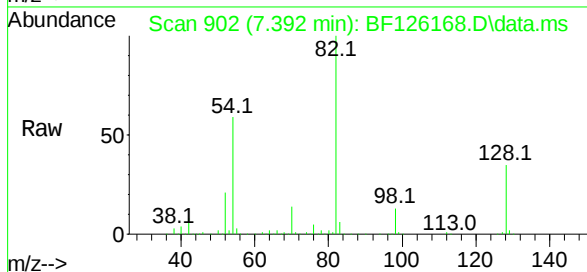
Tgt Ion: 82 Resp: 934645

Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#



Abundance Scan 1327 (9.892 min): BF126018.D\data.ms (-1327) #39

Acenaphthene-d10

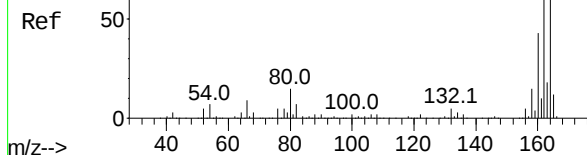
Concen: 20.00 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.023 min

Lab File: BF126168.D

Acq: 13 Nov 2021 14:50



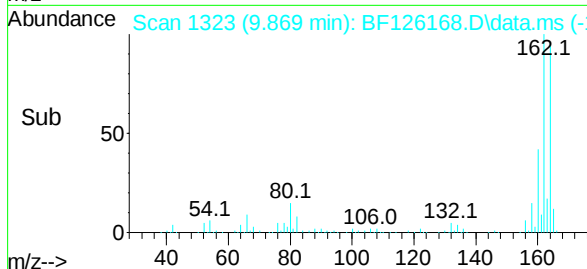
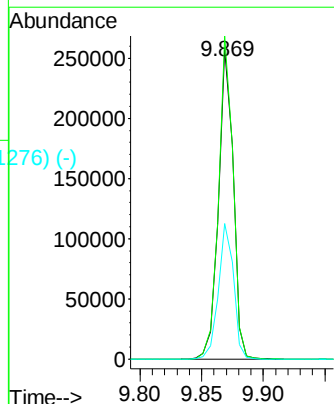
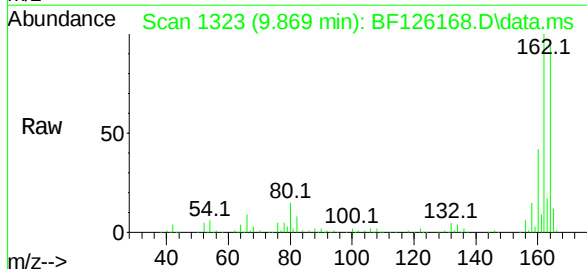
Tgt Ion: 164 Resp: 213953

Ion Ratio Lower Upper

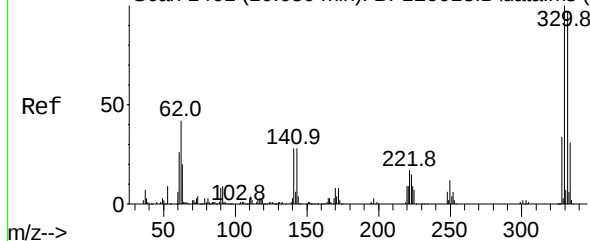
164 100

162 104.3 81.3 121.9

160 43.8 38.0 57.0



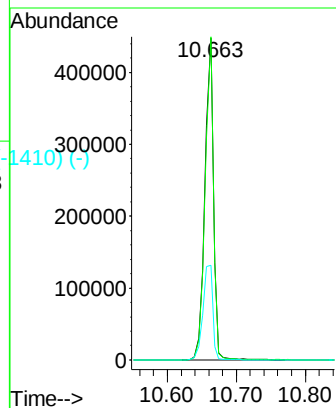
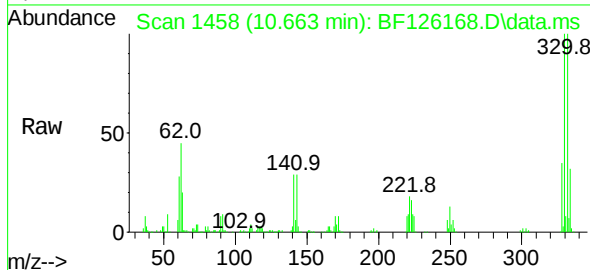
Abundance Scan 1461 (10.680 min): BF126018.D\data.ms (-1454)



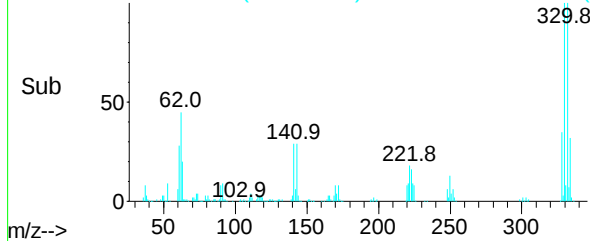
2,4,6-Tribromophenol
Concen: 157.33 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.018 min
Lab File: BF126168.D
Acq: 13 Nov 2021 14:50

Instrument :
BNA_F
ClientSampleId :
PB140745BL

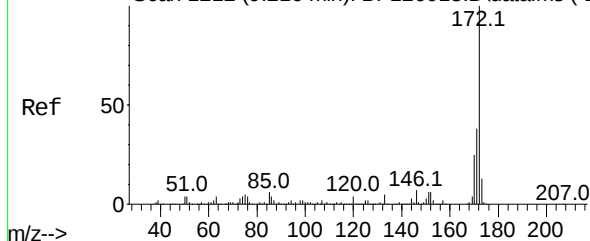
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.2	114.4
141	34.0	44.6	66.8#



Abundance Scan 1458 (10.663 min): BF126168.D\data.ms (-1410)

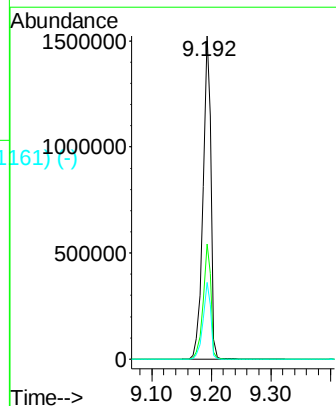
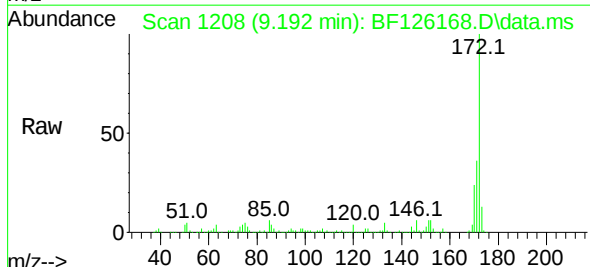


Abundance Scan 1212 (9.216 min): BF126018.D\data.ms (-1204)

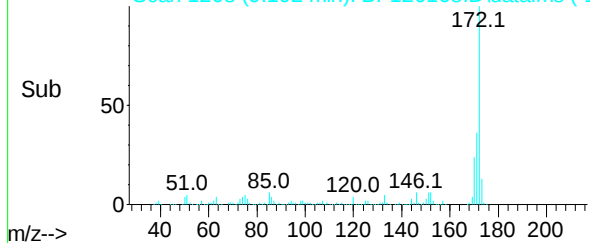


2-Fluorobiphenyl
Concen: 89.59 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.024 min
Lab File: BF126168.D
Acq: 13 Nov 2021 14:50

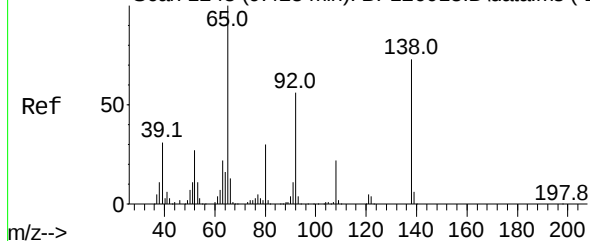
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.5	39.7
170	23.8	18.8	28.2



Abundance Scan 1208 (9.192 min): BF126168.D\data.ms (-1161)



Abundance Scan 1248 (9.428 min): BF126018.D\data.ms (-1248)



2-Nitroaniline

Concen: 3.50 ng

RT: 9.192 min Scan#

Delta R.T. -0.236 min

Lab File: BF126168.D

Acq: 13 Nov 2021 14:50

Instrument :

BNA_F

ClientSampleId :

PB140745BL

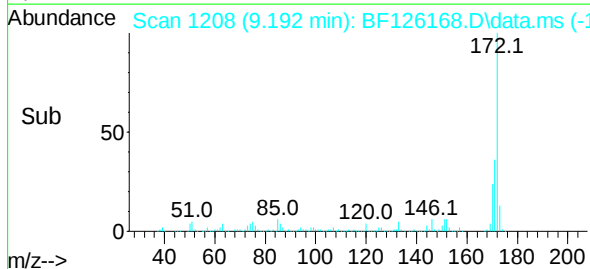
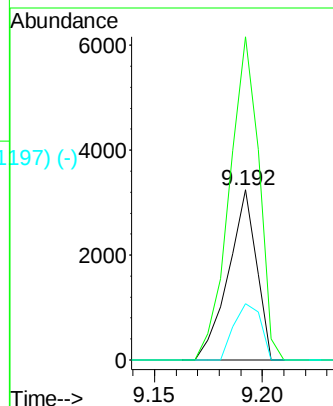
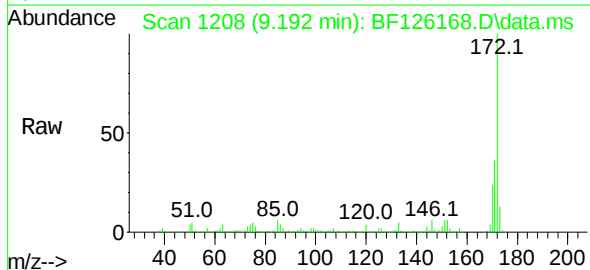
Tgt Ion: 65 Resp: 2926

Ion Ratio Lower Upper

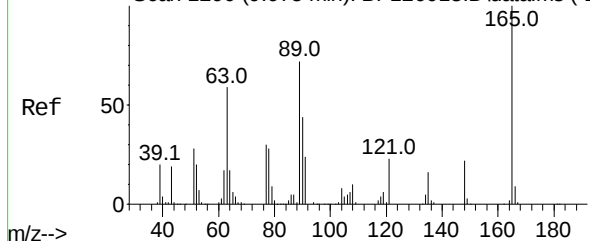
65 100

92 189.7 55.5 83.3#

138 33.0 93.5 140.3#



Abundance Scan 1290 (9.675 min): BF126018.D\data.ms (-1290)



2,6-Dinitrotoluene

Concen: 10.08 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.194 min

Lab File: BF126168.D

Acq: 13 Nov 2021 14:50

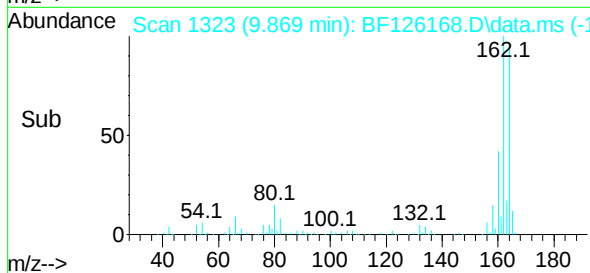
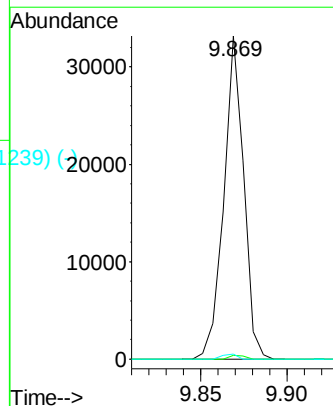
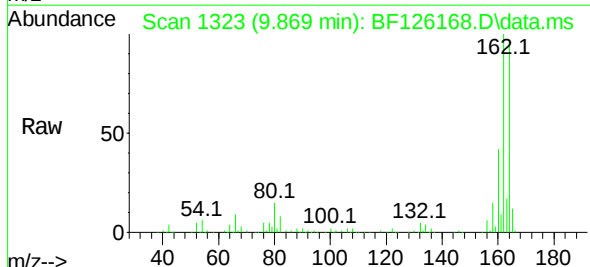
Tgt Ion:165 Resp: 26906

Ion Ratio Lower Upper

165 100

63 1.2 42.6 63.8#

89 1.5 40.6 60.8#



Abundance Scan 1358 (10.075 min): BF126018.D\data.ms (-1357) (-)

2,4-Dinitrotoluene

Concen: 9.70 ng

RT: 9.869 min Scan# 1517

Delta R.T. -0.206 min

Lab File: BF126168.D

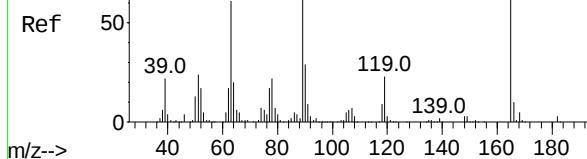
Acq: 13 Nov 2021 14:50

Instrument :

BNF

ClientSampleId :

PB140745BL



Tgt Ion:165 Resp: 26906

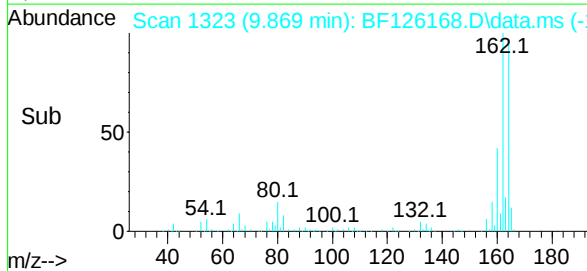
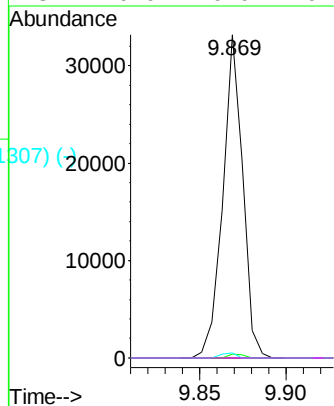
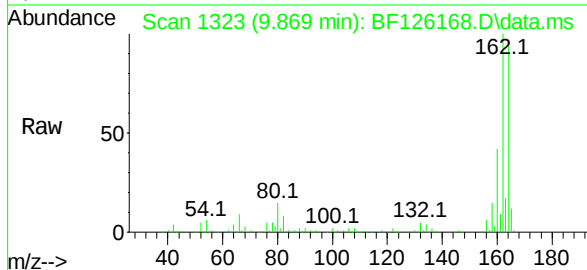
Ion Ratio Lower Upper

165 100

63 1.2 40.9 61.3#

89 1.5 59.7 89.5#

182 0.0 0.0 0.0



Abundance Scan 1579 (11.375 min): BF126018.D\data.ms (-1578) (-)

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.018 min

Lab File: BF126168.D

Acq: 13 Nov 2021 14:50

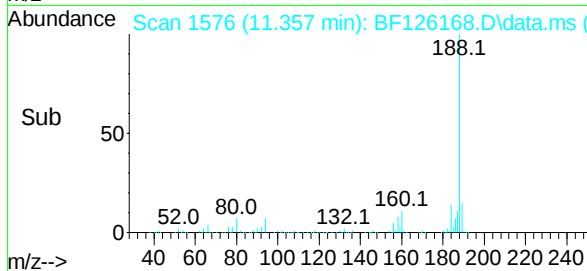
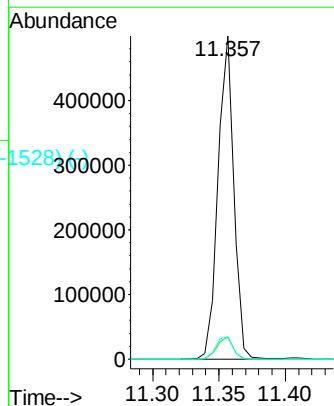
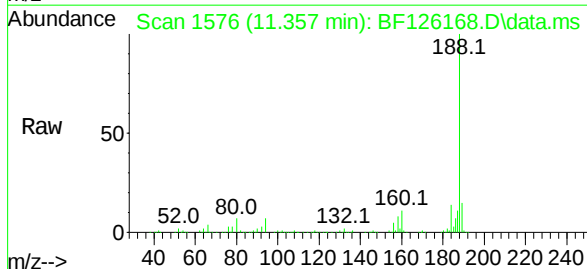
Tgt Ion:188 Resp: 410599

Ion Ratio Lower Upper

188 100

94 7.0 6.7 10.1

80 7.0 7.5 11.3#



Abundance Scan 1428 (10.486 min): BF126018.D\data.ms (-1428) (-)

4,6-Dinitro-2-methylphenol

Concen: 8.82 ng

RT: 10.657 min Scan# 1425

Delta R.T. 0.171 min

Lab File: BF126168.D

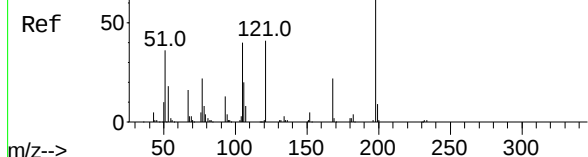
Acq: 13 Nov 2021 14:50

Instrument :

BNA_F

ClientSampleId :

PB140745BL



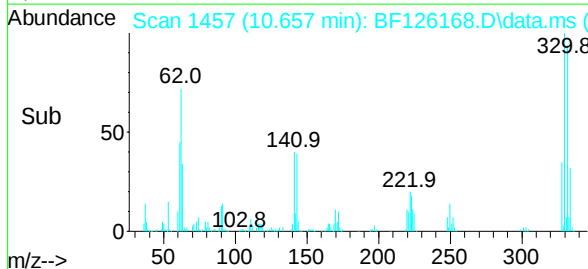
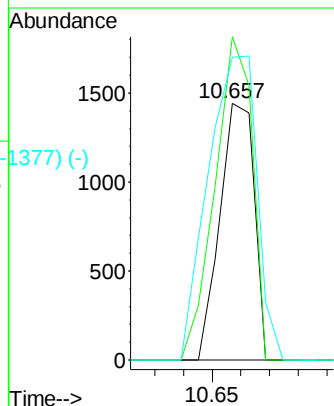
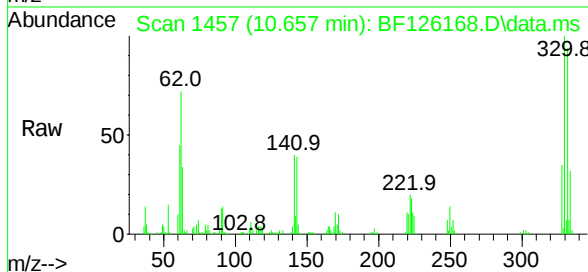
Tgt Ion:198 Resp: 1199

Ion Ratio Lower Upper

198 100

51 125.8 45.3 85.3#

105 117.8 30.6 70.6#



Abundance Scan 1502 (10.922 min): BF126018.D\data.ms (-1456) (-)

4-Bromophenyl-phenylether

Concen: 5.13 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.259 min

Lab File: BF126168.D

Acq: 13 Nov 2021 14:50

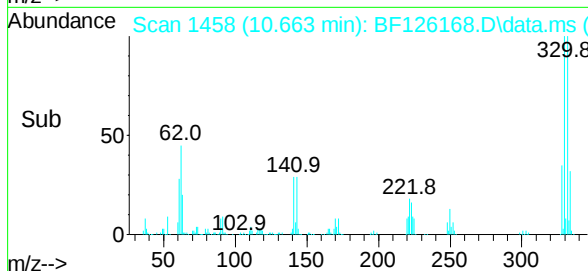
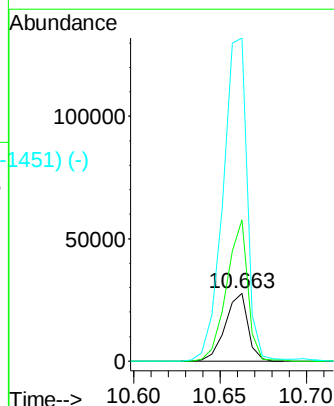
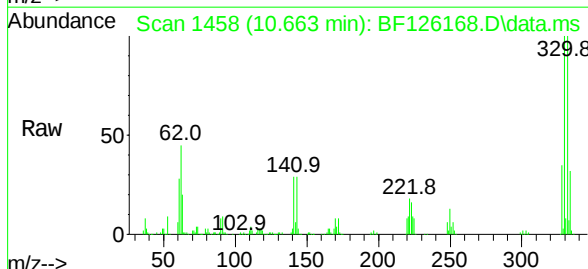
Tgt Ion:248 Resp: 25534

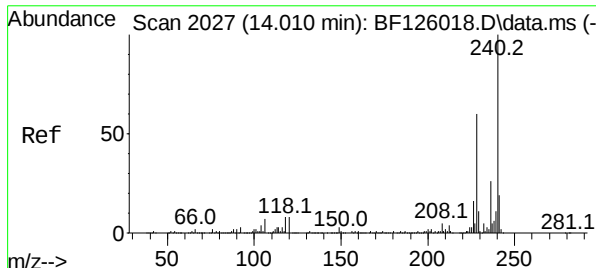
Ion Ratio Lower Upper

248 100

250 208.4 74.2 111.4#

141 475.8 60.4 90.6#

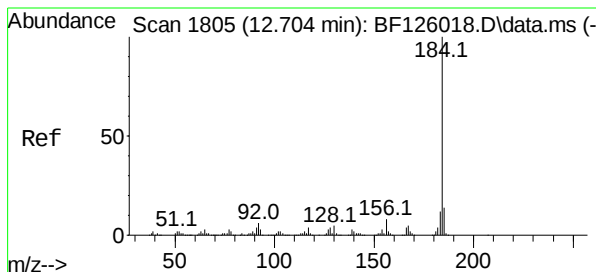
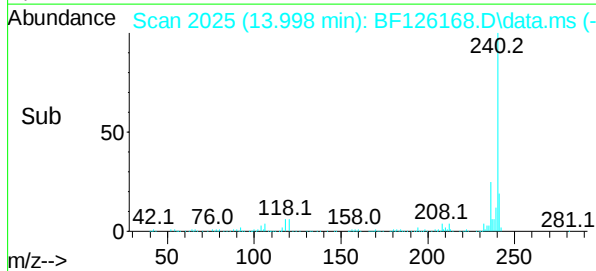
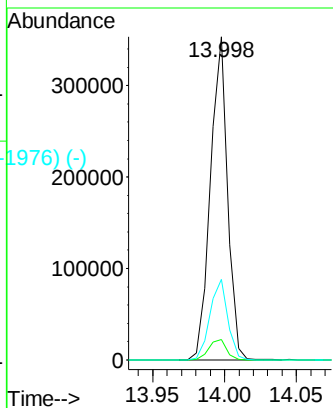
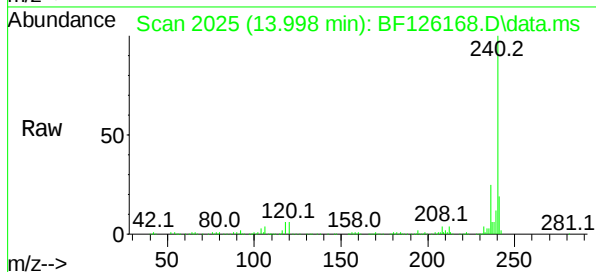




Scan 2027 (14.010 min): BF126018.D\data.ms (-1976) (-)
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.998 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF126168.D
 Acq: 13 Nov 2021 14:50

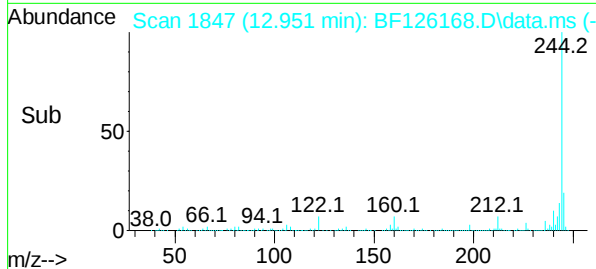
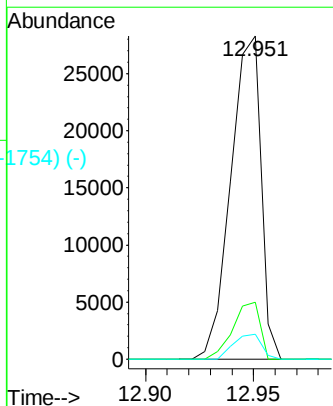
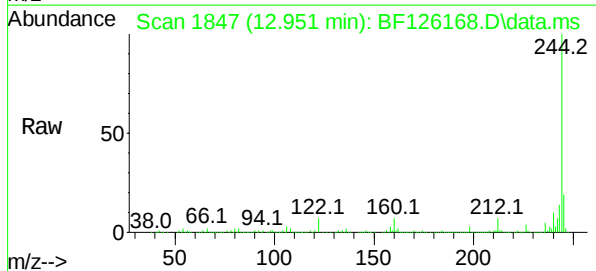
Instrument :
 BNA_F
 ClientSampleId :
 PB140745BL

Tgt Ion:	240	Resp:	294923
Ion	Ratio	Lower	Upper
240	100		
120	6.4	10.8	16.2#
236	24.9	21.6	32.4



Scan 1805 (12.704 min): BF126018.D\data.ms (-1976) (-)
 Benzidine
 Concen: 2.81 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. 0.247 min
 Lab File: BF126168.D
 Acq: 13 Nov 2021 14:50

Tgt Ion:	184	Resp:	27715
Ion	Ratio	Lower	Upper
184	100		
185	17.5	10.8	16.2#
183	7.7	8.1	12.1#



Abundance Scan 1849 (12.963 min): BF126018.D\data.ms (-1879) (-)

Terphenyl-d14

Concen: 98.76 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.012 min

Lab File: BF126168.D

Acq: 13 Nov 2021 14:50

Instrument :

BNA_F

ClientSampleId :

PB140745BL

Tgt Ion:244 Resp: 1806206

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 7.0 9.0 13.4#

Abundance Scan 1847 (12.951 min): BF126168.D\data.ms

Ref 50

244.2

54.1 92.1 122.1 160.1 212.2

0

m/z-->

50 100 150 200 250

Abundance

Scan 1847 (12.951 min): BF126168.D\data.ms (-1798) (-)

Ref 50

244.2

66.1 122.1 160.1 212.1

0

m/z-->

50 100 150 200 250

Abundance

Scan 1847 (12.951 min): BF126168.D\data.ms (-1798) (-)

Ref 50

244.2

66.1 122.1 160.1 212.1

0

m/z-->

50 100 150 200 250

Abundance

2000000

1500000

1000000

500000

0

Time-->

12.90 13.00

Abundance Scan 2275 (15.468 min): BF126018.D\data.ms (-2286) (-)

Perylene-d12

Concen: 20.00 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.011 min

Lab File: BF126168.D

Acq: 13 Nov 2021 14:50

Tgt Ion:264 Resp: 215483

Ion Ratio Lower Upper

264 100

260 24.8 19.6 29.4

265 21.4 17.2 25.8

Abundance Scan 2273 (15.457 min): BF126168.D\data.ms

Ref 50

264.2

55.0 88.0 132.1 180.0 232.1

0

m/z-->

50 100 150 200 250

Abundance

Scan 2273 (15.457 min): BF126168.D\data.ms (-2224) (-)

Ref 50

264.1

52.1 88.0 132.1 180.0 232.1

0

m/z-->

50 100 150 200 250

Abundance

150000

100000

50000

0

Time-->

15.40 15.50