

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021622\
 Data File : BF126917.D
 Acq On : 16 Feb 2022 17:37
 Operator : CG\JU
 Sample : PB142708TB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB142708TB

Quant Time: Feb 17 01:08:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

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

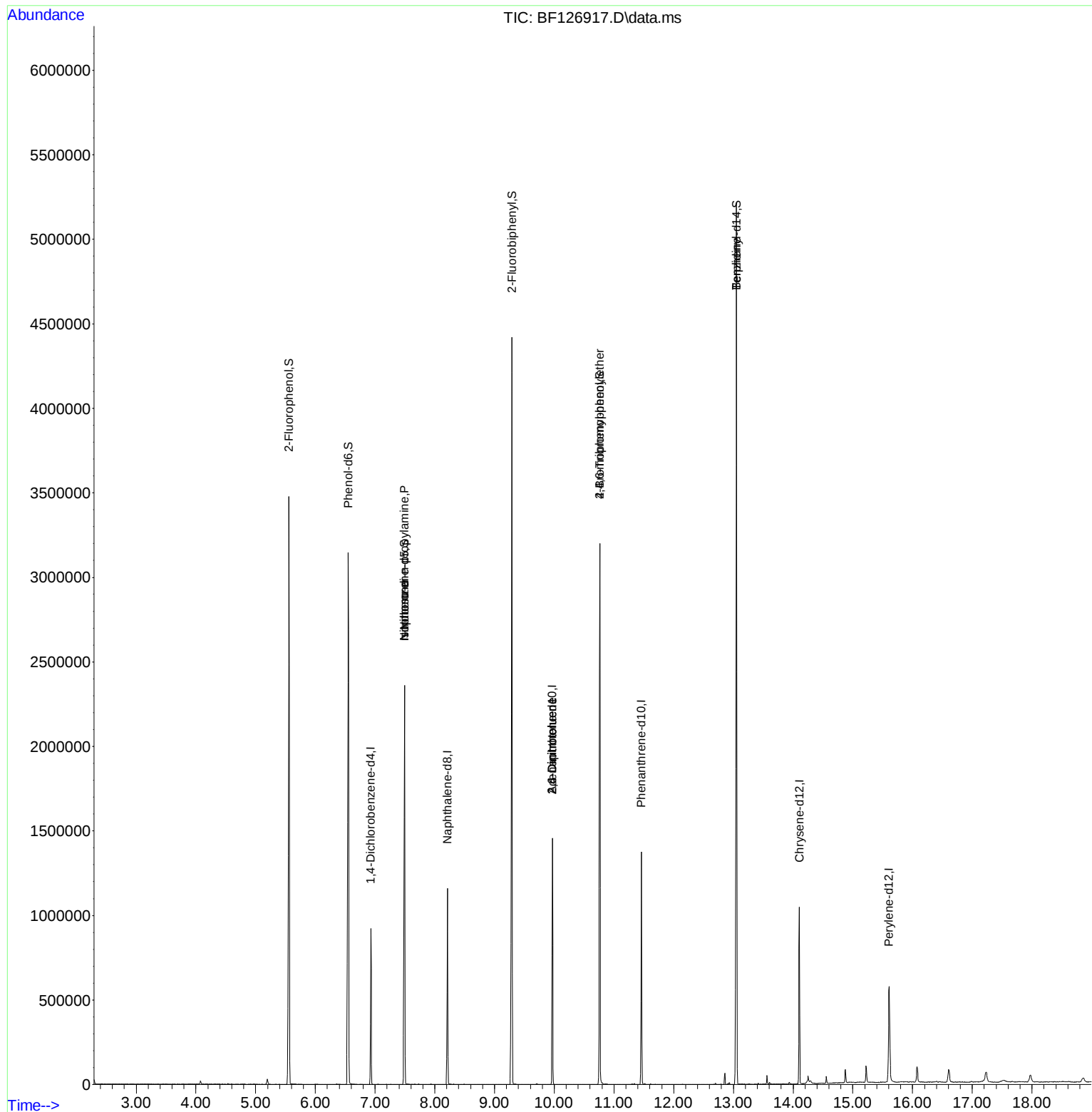
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	119333	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	491710	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	260094	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	483247	20.000	ng	0.00
76) Chrysene-d12	14.104	240	319934	20.000	ng	# 0.00
86) Perylene-d12	15.604	264	230632	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	956745	123.915	ng	0.01
7) Phenol-d6	6.551	99	1275839	122.461	ng	0.00
23) Nitrobenzene-d5	7.492	82	901718	82.775	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	377364	126.014	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	1427305	80.787	ng	0.00
79) Terphenyl-d14	13.051	244	1740245	79.961	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.492	70	122458	18.241	ng	# 79
25) Isophorone	7.492	82	899113	49.878	ng	# 69
51) 2,6-Dinitrotoluene	9.969	165	33511	8.860	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	33511	6.553	ng	# 15
67) 4-Bromophenyl-phenylether	10.763	248	21994	4.073	ng	# 1
77) Benzidine	13.051	184	25131	2.890	ng	95

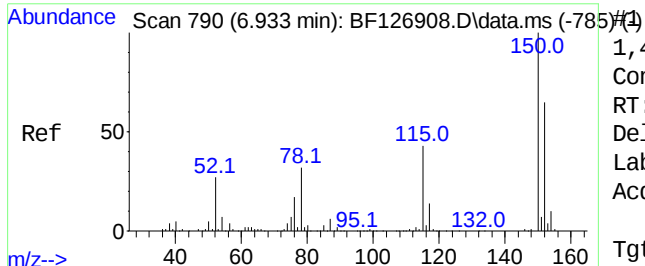
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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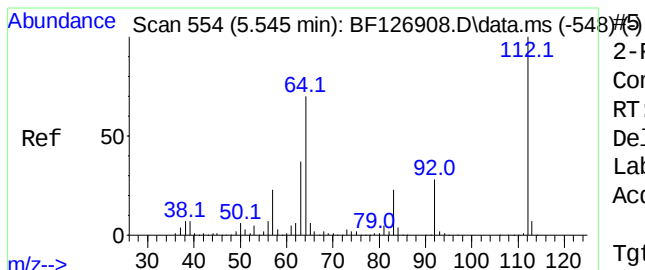
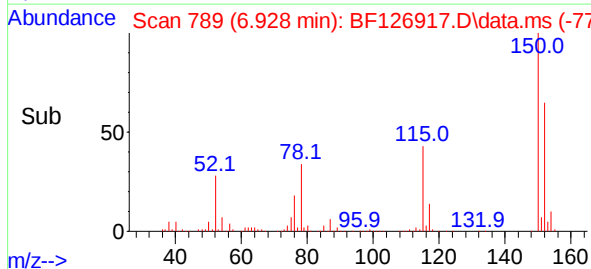
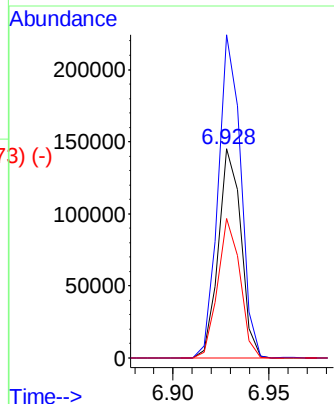
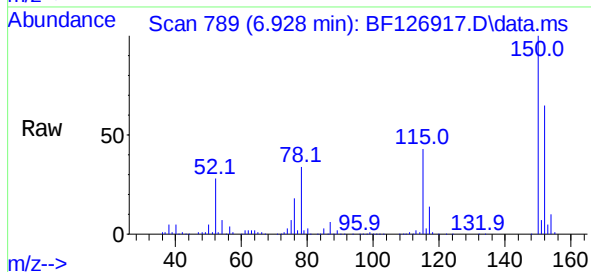




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan#
 Delta R.T. -0.005 min
 Lab File: BF126917.D
 Acq: 16 Feb 2022 17:37

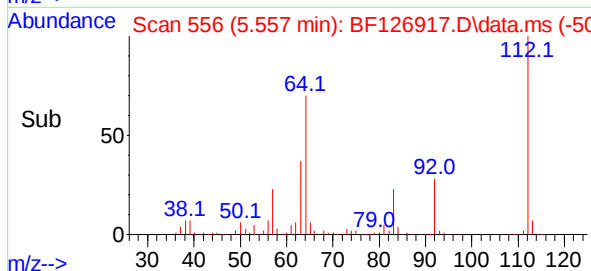
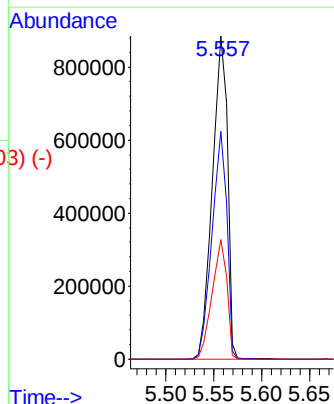
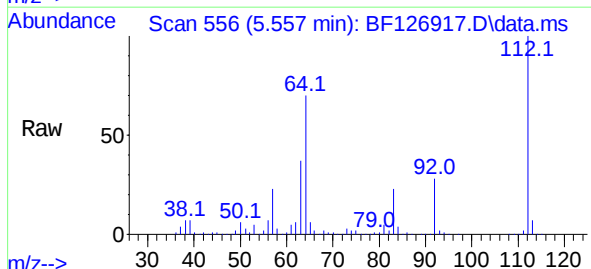
Instrument :
 BNA_F
 ClientSampleId :
 PB142708TB

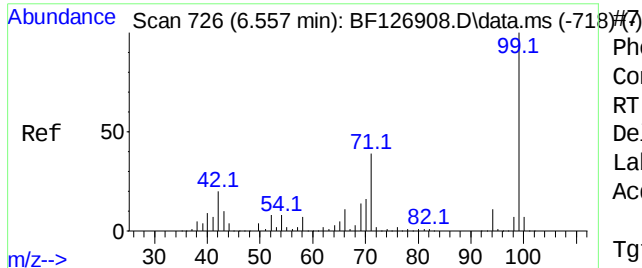
Tgt Ion:152 Resp: 119333
 Ion Ratio Lower Upper
 152 100
 150 154.7 128.1 192.1
 115 66.7 56.7 85.1



2-Fluorophenol
 Concen: 123.915 ng
 RT: 5.557 min Scan# 556
 Delta R.T. 0.012 min
 Lab File: BF126917.D
 Acq: 16 Feb 2022 17:37

Tgt Ion:112 Resp: 956745
 Ion Ratio Lower Upper
 112 100
 64 70.5 49.5 74.3
 63 37.1 23.9 35.9#





Phenol-d6

Concen: 122.461 ng

RT: 6.551 min Scan#

Delta R.T. -0.006 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

Instrument :

BNA_F

ClientSampleId :

PB142708TB

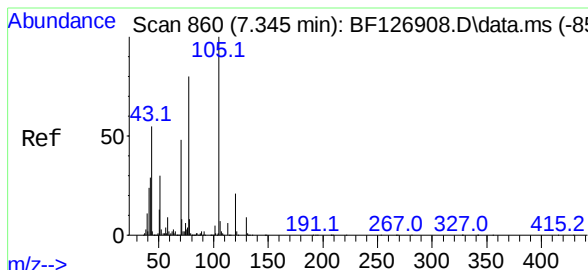
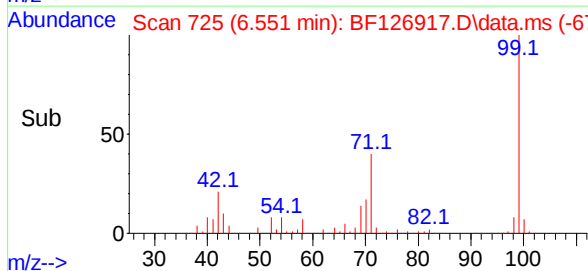
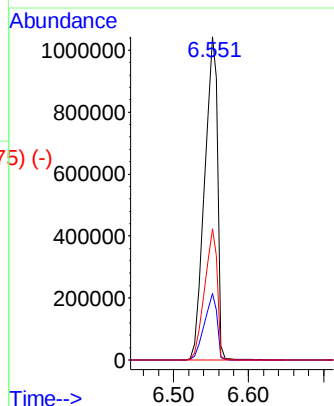
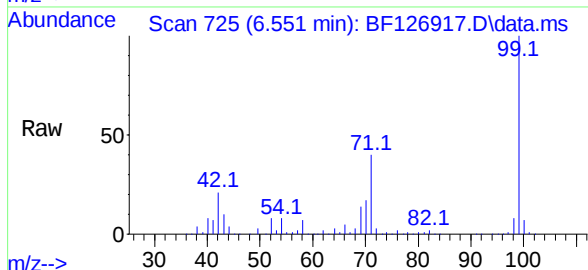
Tgt Ion: 99 Resp: 1275839

Ion Ratio Lower Upper

99 100

42 20.5 14.2 21.4

71 40.5 24.3 36.5#



n-Nitroso-di-n-propylamine

Concen: 18.241 ng

RT: 7.492 min Scan# 885

Delta R.T. 0.147 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

Tgt Ion: 70 Resp: 122458

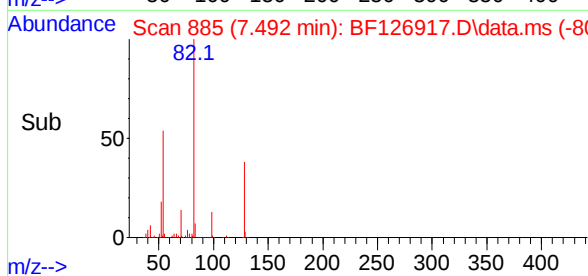
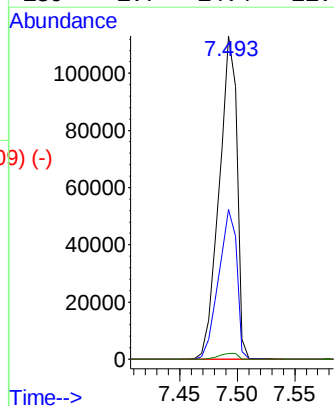
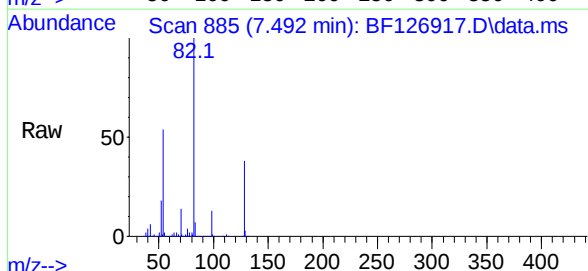
Ion Ratio Lower Upper

70 100

42 46.3 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: 8.210 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF126917.D

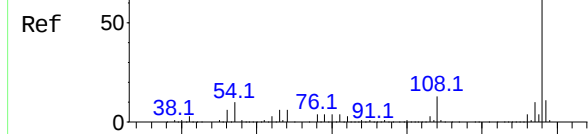
Acq: 16 Feb 2022 17:37

Instrument :

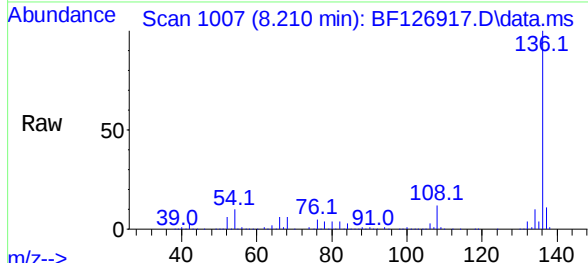
BNA_F

ClientSampleId :

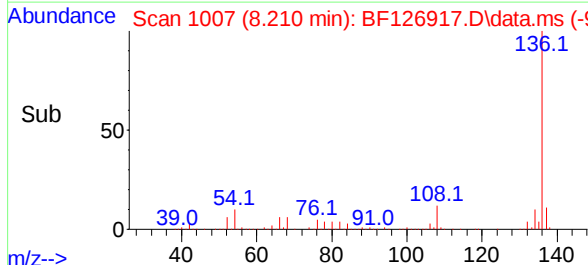
PB142708TB



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Tgt Ion:136 Resp: 491710

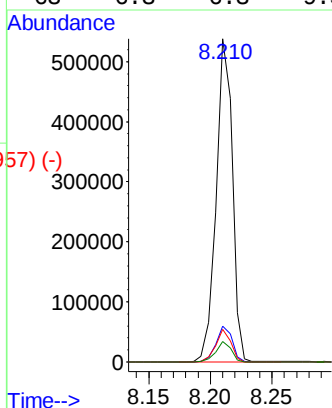
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.0 7.8 11.6

68 6.3 6.3 9.5



Abundance Scan 886 (7.498 min): BF126908.D\data.ms (-880423)

Nitrobenzene-d5

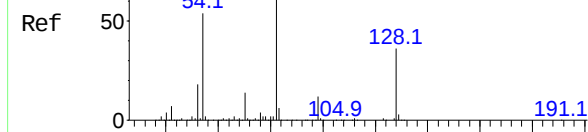
Concen: 82.775 ng

RT: 7.492 min Scan# 885

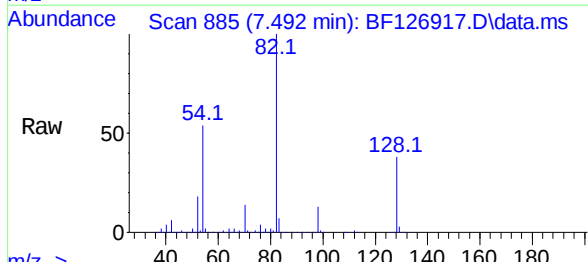
Delta R.T. -0.006 min

Lab File: BF126917.D

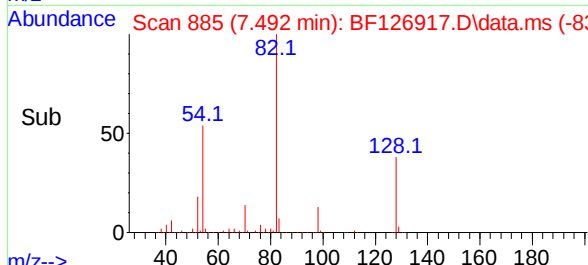
Acq: 16 Feb 2022 17:37



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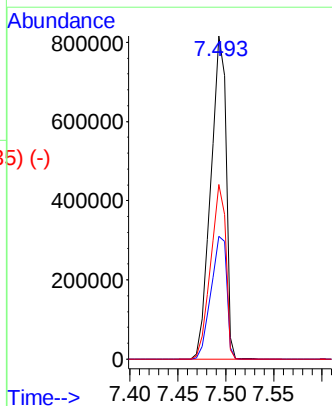
Tgt Ion: 82 Resp: 901718

Ion Ratio Lower Upper

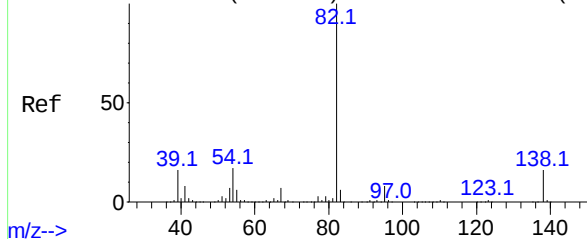
82 100

128 38.0 32.7 49.1

54 54.0 41.7 62.5



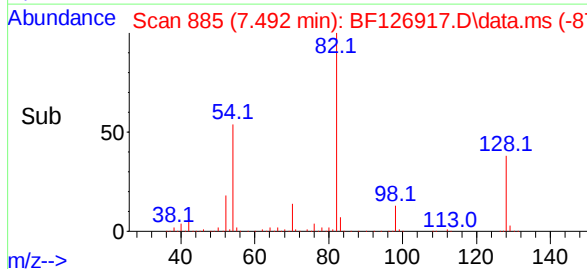
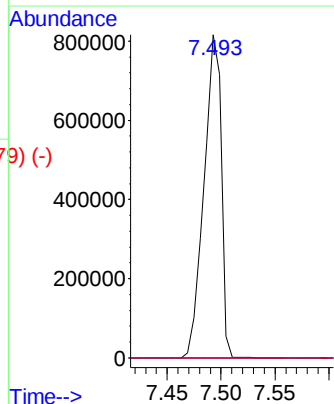
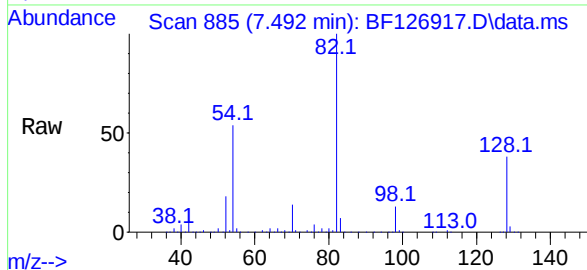
Abundance Scan 930 (7.757 min): BF126908.D\data.ms (-923) #25



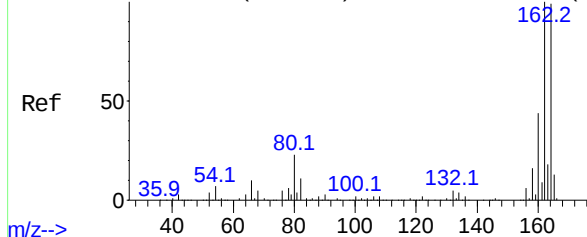
Isophorone
Concen: 49.878 ng
RT: 7.492 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF126917.D
Acq: 16 Feb 2022 17:37

Instrument :
BNA_F
ClientSampleId :
PB142708TB

Tgt Ion: 82 Resp: 899113
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

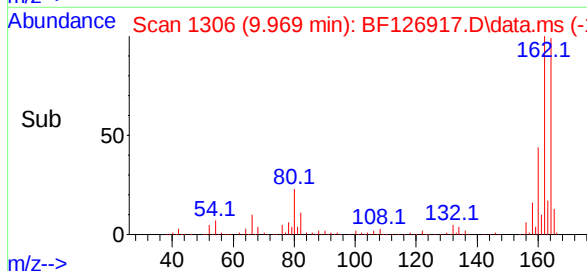
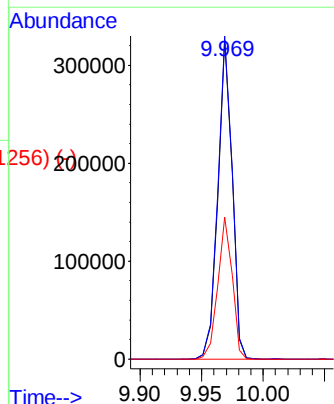
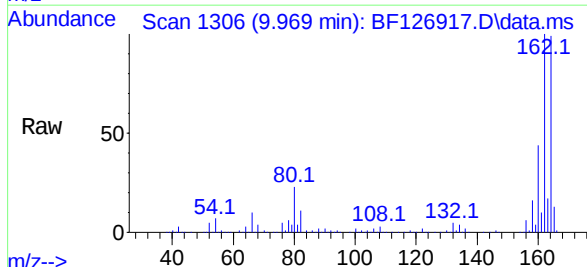


Abundance Scan 1307 (9.974 min): BF126908.D\data.ms (-1306) #39



Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF126917.D
Acq: 16 Feb 2022 17:37

Tgt Ion:164 Resp: 260094
Ion Ratio Lower Upper
164 100
162 101.1 81.4 122.0
160 44.5 36.6 54.8



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

2,4,6-Tribromophenol

Concen: 126.014 ng

RT: 10.763 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

Instrument :

BNA_F

ClientSampleId :

PB142708TB

Tgt Ion:330 Resp: 377364

Ion Ratio Lower Upper

330 100

332 94.9 76.0 114.0

141 35.5 30.1 45.1

Abundance Scan 1441 (10.763 min): BF126917.D\data.ms

m/z-->

Abundance Scan 1441 (10.763 min): BF126917.D\data.ms

m/z-->

Abundance Scan 1441 (10.763 min): BF126917.D\data.ms

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Abundance Scan 1441 (10.763 min): BF126917.D\data.ms

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Abundance Scan 1441 (10.763 min): BF126917.D\data.ms

m/z-->

Abundance

400000

300000

200000

100000

0

10.70 10.80 10.90

Time-->

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

2-Fluorobiphenyl

Concen: 80.787 ng

RT: 9.292 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

Tgt Ion:172 Resp: 1427305

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.3 19.0 28.6

Abundance Scan 1191 (9.292 min): BF126917.D\data.ms

m/z-->

Abundance Scan 1191 (9.292 min): BF126917.D\data.ms

m/z-->

Abundance Scan 1191 (9.292 min): BF126917.D\data.ms

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Abundance Scan 1191 (9.292 min): BF126917.D\data.ms

m/z-->

Abundance Scan 1191 (9.292 min): BF126917.D\data.ms

m/z-->

Abundance

1000000

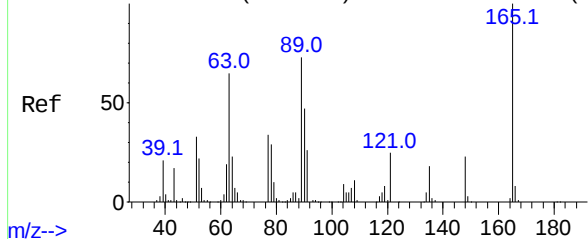
500000

0

9.20 9.25 9.30 9.35

Time-->

Abundance Scan 1270 (9.757 min): BF126908.D\data.ms (-1264) (-)



2,6-Dinitrotoluene

Concen: 8.860 ng

RT: 9.969 min Scan# 1306

Delta R.T. 0.212 min

Lab File: BF126917.D

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PB142708TB

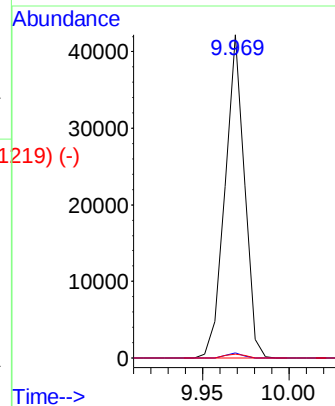
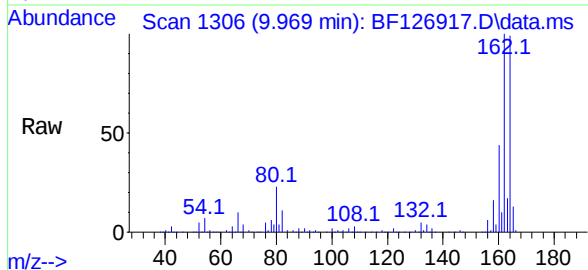
Tgt Ion:165 Resp: 33511

Ion Ratio Lower Upper

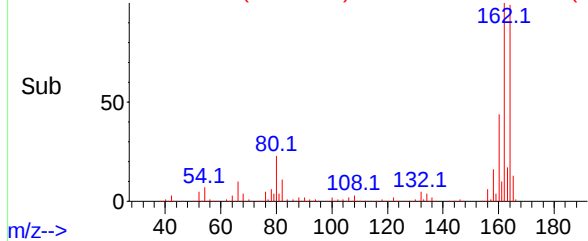
165 100

63 1.6 48.4 72.6#

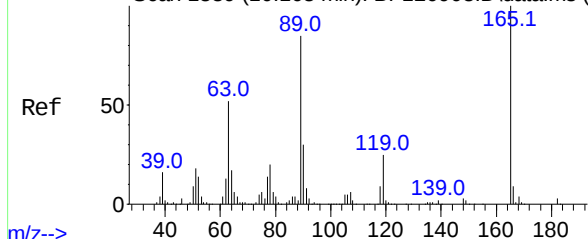
89 1.2 50.5 75.7#



Abundance Scan 1306 (9.969 min): BF126917.D\data.ms (-1219) (-)



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



2,4-Dinitrotoluene

Concen: 6.553 ng

RT: 9.969 min Scan# 1306

Delta R.T. -0.194 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

Tgt Ion:165 Resp: 33511

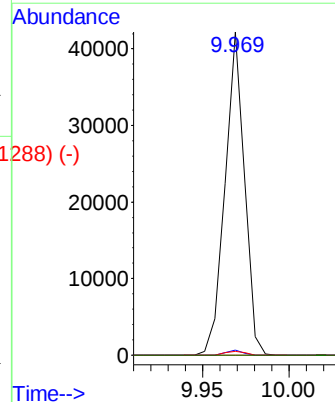
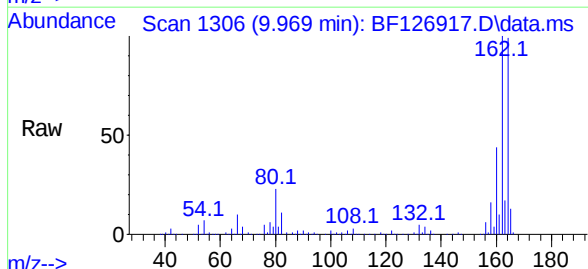
Ion Ratio Lower Upper

165 100

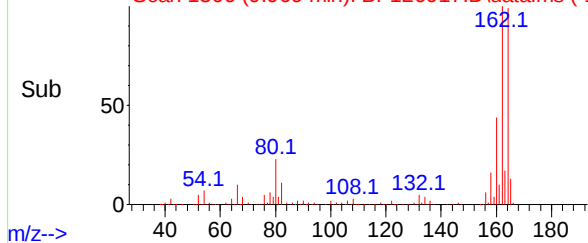
63 1.6 43.0 64.6#

89 1.2 71.0 106.4#

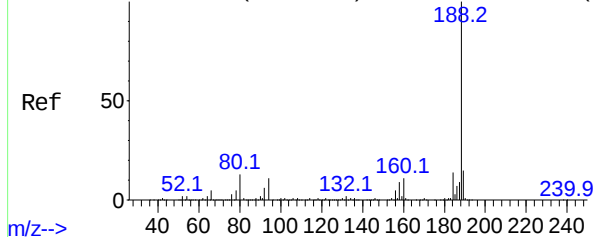
182 0.0 1.6 2.4#



Abundance Scan 1306 (9.969 min): BF126917.D\data.ms (-1288) (-)



Abundance Scan 1560 (11.463 min): BF126908.D\data.ms (-1560) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1559

Delta R.T. -0.006 min

Lab File: BF126917.D

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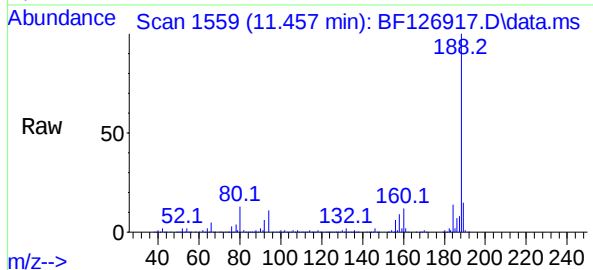
Tgt Ion:188 Resp: 483247

Ion Ratio Lower Upper

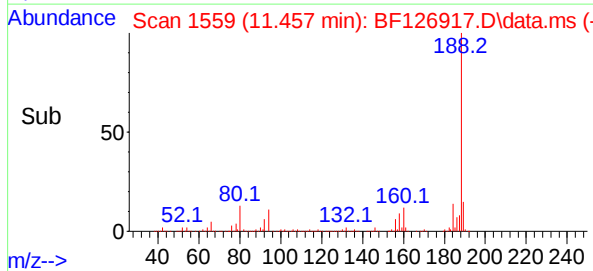
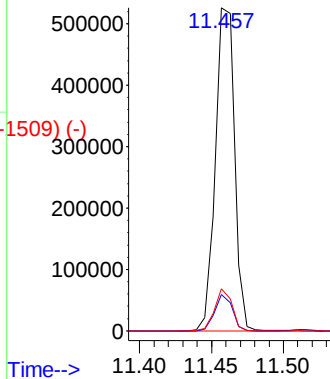
188 100

94 11.3 10.1 15.1

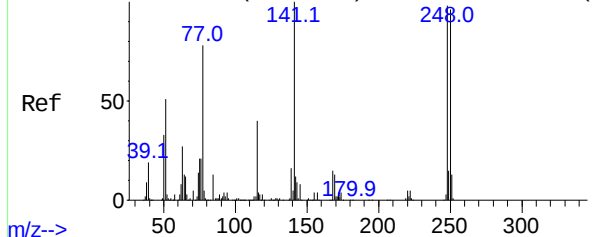
80 13.1 11.8 17.6



Abundance



Abundance Scan 1482 (11.004 min): BF126908.D\data.ms (-1482) (-)



4-Bromophenyl-phenylether

Concen: 4.073 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.241 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

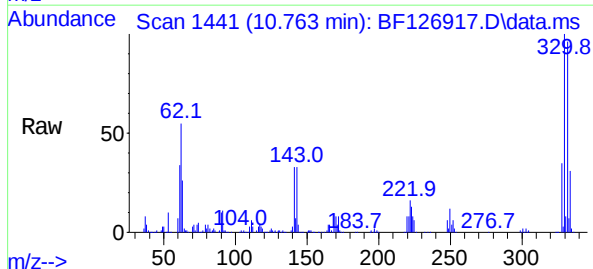
Tgt Ion:248 Resp: 21994

Ion Ratio Lower Upper

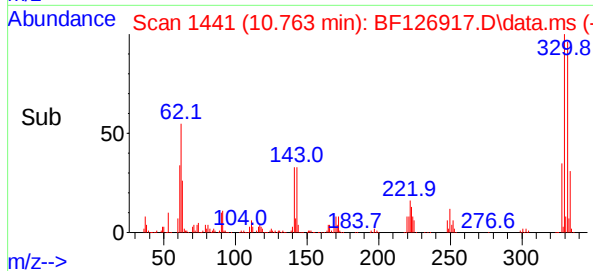
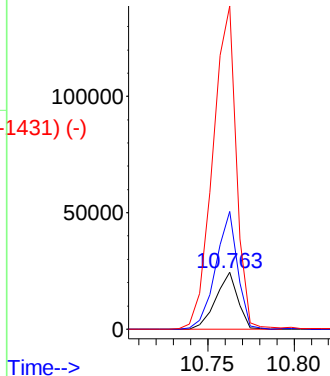
248 100

250 207.1 76.2 114.4#

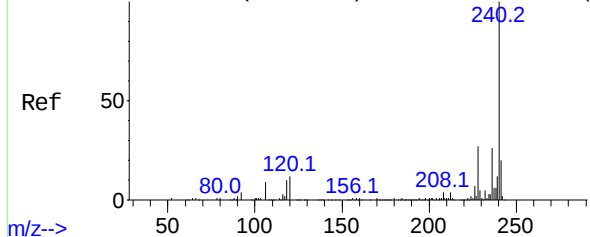
141 568.1 66.2 99.4#



Abundance



Abundance Scan 2010 (14.110 min): BF126908.D\data.ms (-1746) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 14.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

Instrument :

BNA_F

ClientSampleId :

PB142708TB

Tgt Ion:240 Resp: 319934

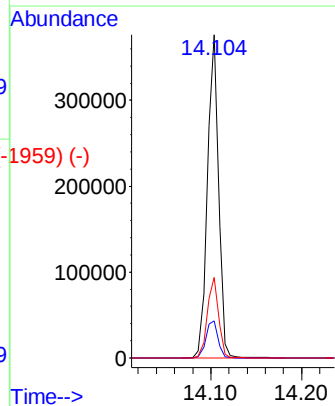
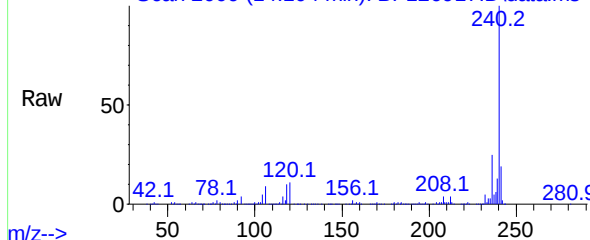
Ion Ratio Lower Upper

240 100

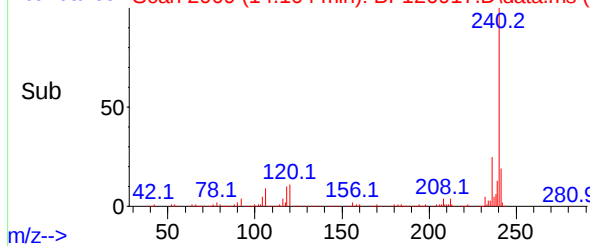
120 11.5 14.4 21.6#

236 24.9 20.5 30.7

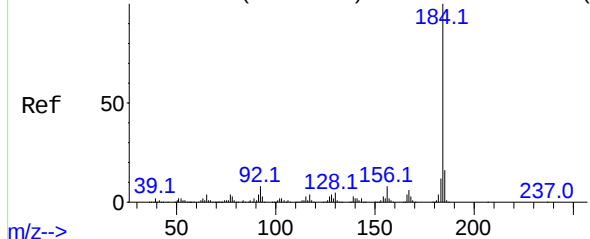
Abundance Scan 2009 (14.104 min): BF126917.D\data.ms



Abundance Scan 2009 (14.104 min): BF126917.D\data.ms (-1959) (-)



Abundance Scan 1787 (12.798 min): BF126908.D\data.ms (-1757) (-)



Benzidine

Concen: 2.890 ng

RT: 13.051 min Scan# 1830

Delta R.T. 0.253 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

Tgt Ion:184 Resp: 25131

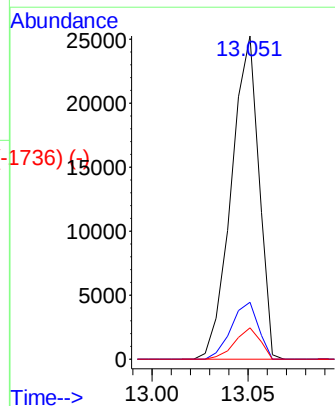
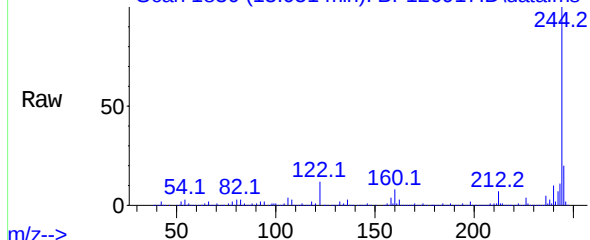
Ion Ratio Lower Upper

184 100

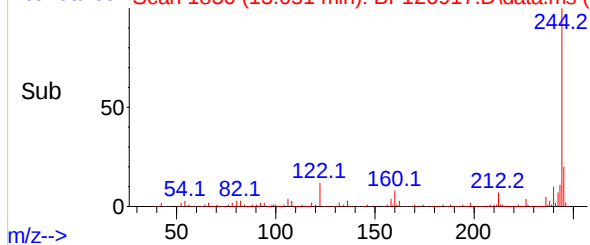
185 17.5 11.8 17.8

183 9.6 8.2 12.2

Abundance Scan 1830 (13.051 min): BF126917.D\data.ms



Abundance Scan 1830 (13.051 min): BF126917.D\data.ms (-1736) (-)



Abundance Scan 1830 (13.051 min): BF126908.D\data.ms (-1879) (-)

Terphenyl-d14

Concen: 79.961 ng

RT: 13.051 min Scan# 1879

Delta R.T. 0.000 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

Instrument :

BNA_F

ClientSampleId :

PB142708TB

Tgt Ion:244 Resp: 1740245

Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

122 12.1 13.3 19.9#

Abundance Scan 1830 (13.051 min): BF126917.D\data.ms

m/z-->

Ref

50

0

42.1 82.1 122.1 160.1 212.2 244.2

50

0

42.1 82.1 122.1 160.1 212.2 244.2

m/z-->

Abundance Scan 1830 (13.051 min): BF126917.D\data.ms (-1779) (-)

m/z-->

Ref

50

0

42.1 82.1 122.1 160.1 212.2 244.2

50

0

42.1 82.1 122.1 160.1 212.2 244.2

m/z-->

Abundance

13.051

1500000

1000000

500000

0

13.00 13.10

Time-->

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

Perylene-d12

Concen: 20.000 ng

RT: 15.604 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF126917.D

Acq: 16 Feb 2022 17:37

Tgt Ion:264 Resp: 230632

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.2 17.4 26.2

Abundance Scan 2264 (15.604 min): BF126917.D\data.ms

m/z-->

Ref

50

0

57.1 97.1 132.1 180.2 232.1 264.1

50

0

57.1 97.1 132.1 180.1 232.1 264.2

m/z-->

Abundance Scan 2264 (15.604 min): BF126917.D\data.ms (-2214) (-)

m/z-->

Ref

50

0

57.0 97.0 132.1 180.1 232.1 264.1

50

0

57.0 97.0 132.1 180.1 232.1 264.1

m/z-->

Abundance

15.604

150000

100000

50000

0

15.50 15.60 15.70

Time-->