

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110821\
 Data File : BF126067.D
 Acq On : 8 Nov 2021 16:09
 Operator : JU/CG
 Sample : M4540-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Nov 08 16:55:22 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)

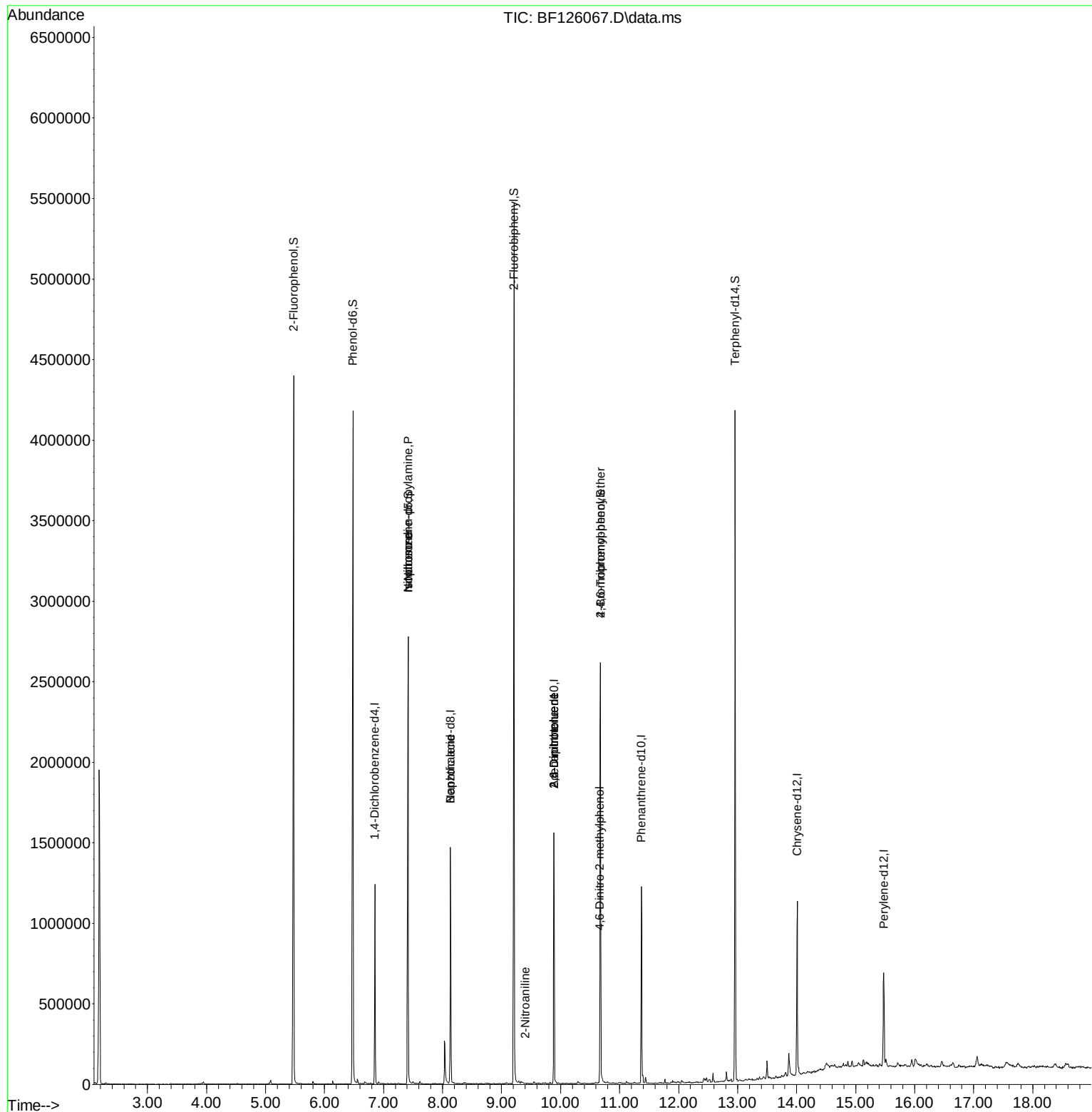
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	157839	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	552679	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	286414	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	438852	20.000	ng	0.00
76) Chrysene-d12	14.010	240	361664	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	274451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	939204	102.185	ng	0.01
7) Phenol-d6	6.481	99	1190629	91.893	ng	0.00
23) Nitrobenzene-d5	7.416	82	869055	74.157	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	281846	85.868	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1491152	70.356	ng	0.00
79) Terphenyl-d14	12.957	244	1258500	56.113	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.398	77	603	Below Cal	#	46
19) n-Nitroso-di-n-propyla...	7.416	70	124979	14.632	ng	# 58
25) Isophorone	7.416	82	862032	40.855	ng	# 59
32) Benzoic acid	8.134	122	115	9.162	ng	# 1
48) 2-Nitroaniline	9.404	65	144	2.873	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	36302	10.157	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	36302	9.751	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.663	198	1021	8.716	ng	91
67) 4-Bromophenyl-phenylether	10.675	248	18510	3.482	ng	# 1

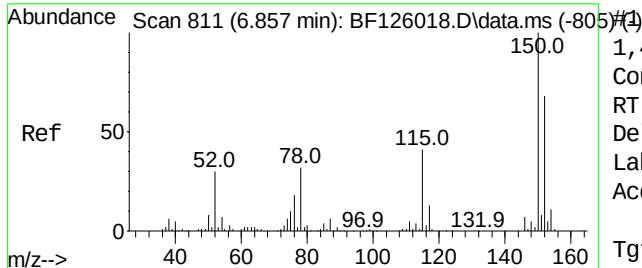
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110821\
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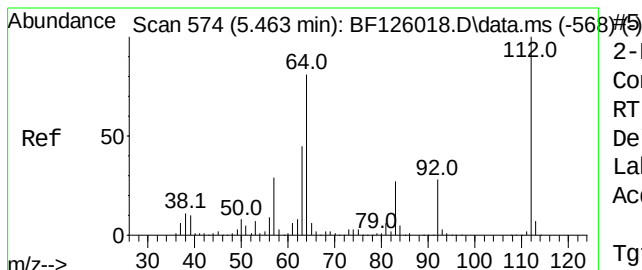
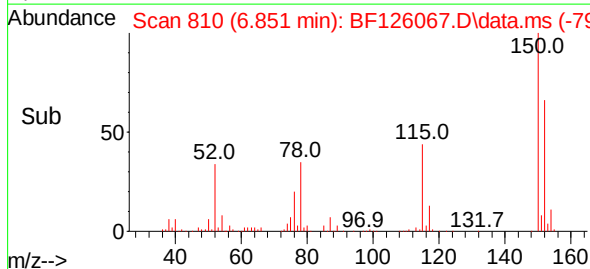
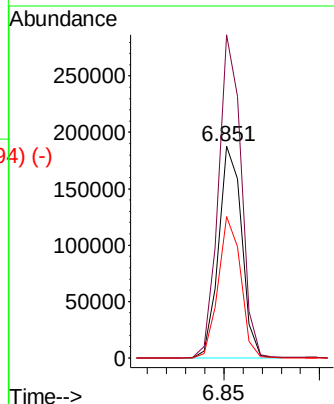
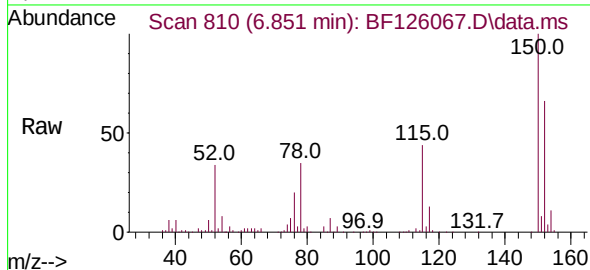




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 811
 Delta R.T. -0.006 min
 Lab File: BF126067.D
 Acq: 8 Nov 2021 16:09

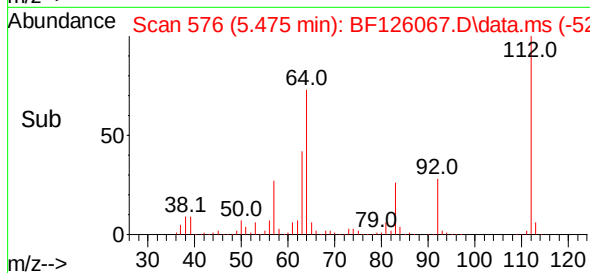
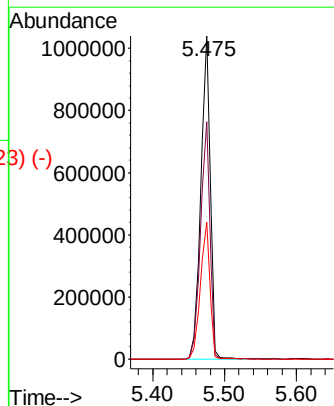
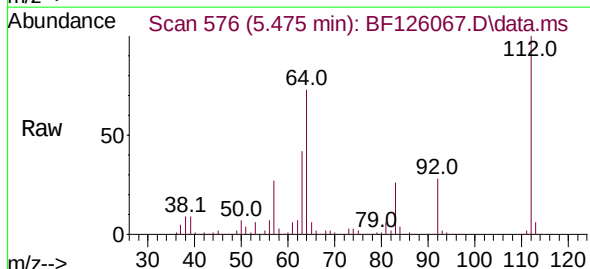
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

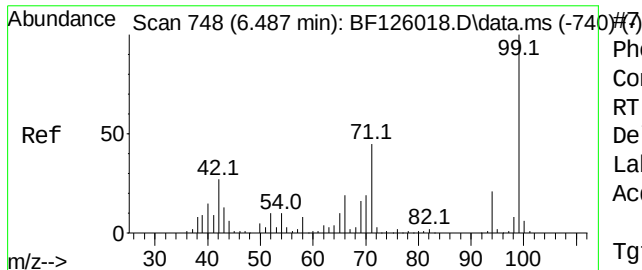
Tgt Ion:	152	Resp:	157839
Ion	Ratio	Lower	Upper
152	100		
150	152.4	117.6	176.4
115	66.8	47.1	70.7



2-Fluorophenol
 Concen: 102.185 ng
 RT: 5.475 min Scan# 576
 Delta R.T. 0.012 min
 Lab File: BF126067.D
 Acq: 8 Nov 2021 16:09

Tgt Ion:	112	Resp:	939204
Ion	Ratio	Lower	Upper
112	100		
64	73.4	44.2	66.2#
63	42.4	26.2	39.2#





Phenol-d6

Concen: 91.893 ng

RT: 6.481 min Scan#

Delta R.T. -0.006 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Instrument :

BNA_F

ClientSampleId :

TP-2

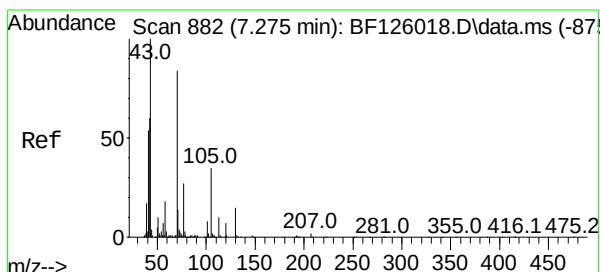
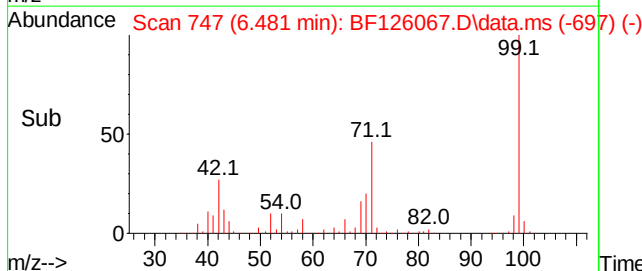
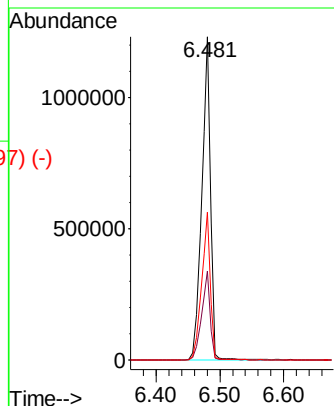
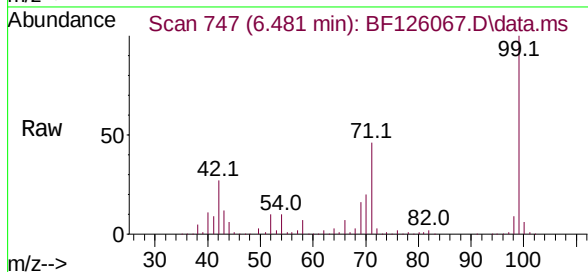
Tgt Ion: 99 Resp: 1190629

Ion Ratio Lower Upper

99 100

42 27.5 23.5 35.3

71 45.8 25.6 38.4#



n-Nitroso-di-n-propylamine

Concen: 14.632 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.141 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Tgt Ion: 70 Resp: 124979

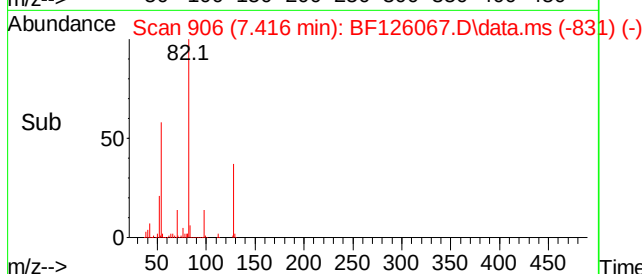
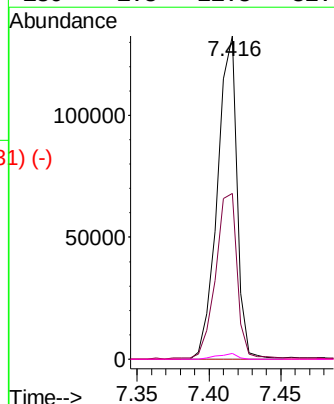
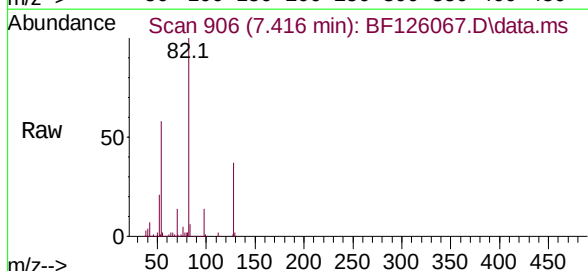
Ion Ratio Lower Upper

70 100

42 51.2 72.2 108.2#

101 0.0 7.8 11.8#

130 1.8 21.8 32.6#



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

Naphthalene-d8

Concen: 20.000 ng

RT: 8.134 min Scan# 1029

Delta R.T. -0.005 min

Lab File: BF126067.D

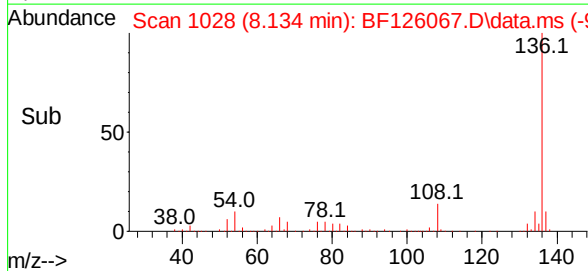
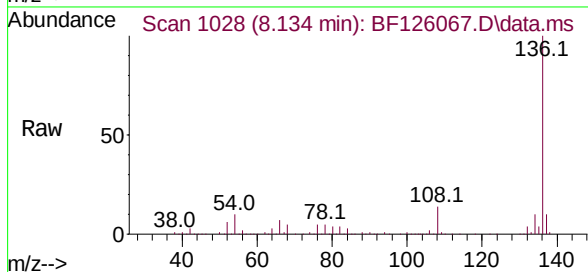
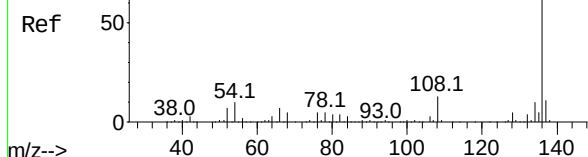
Acq: 8 Nov 2021 16:09

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion:136 Resp: 552679

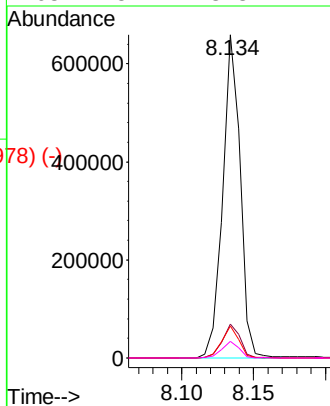
Ion Ratio Lower Upper

136 100

137 10.4 9.8 14.6

54 9.8 6.4 9.6#

68 5.1 3.3 4.9#



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

Nitrobenzene-d5

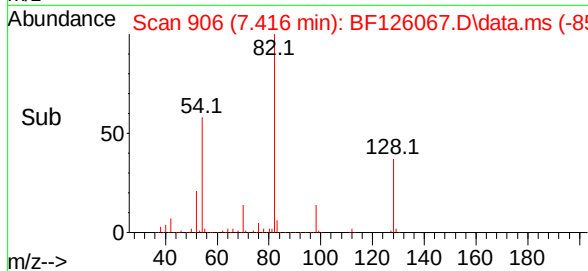
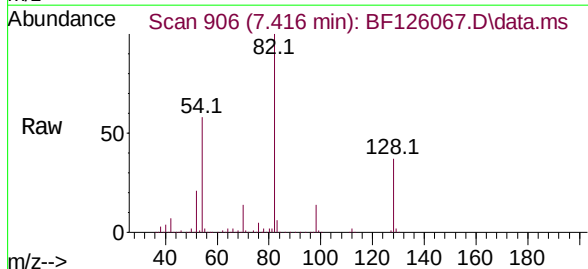
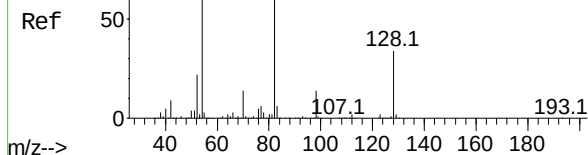
Concen: 74.157 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09



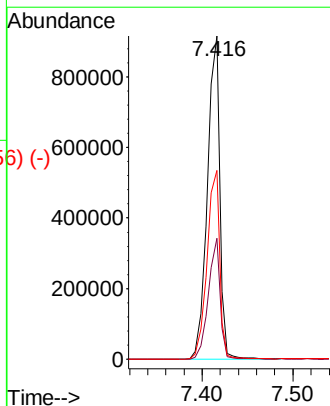
Tgt Ion: 82 Resp: 869055

Ion Ratio Lower Upper

82 100

128 37.4 40.6 60.8#

54 58.5 49.6 74.4



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

Isophorone

Concen: 40.855 ng

RT: 7.416 min Scan# 1025

Delta R.T. -0.265 min

Lab File: BF126067.D

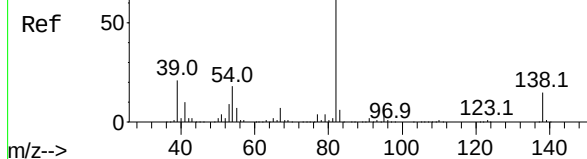
Acq: 8 Nov 2021 16:09

Instrument :

BNA_F

ClientSampleId :

TP-2



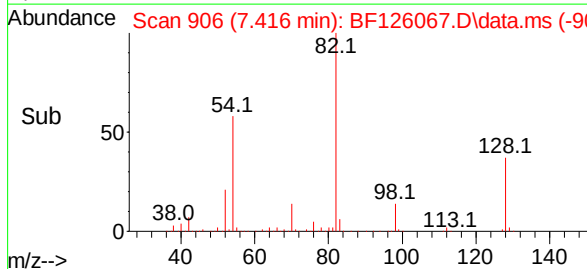
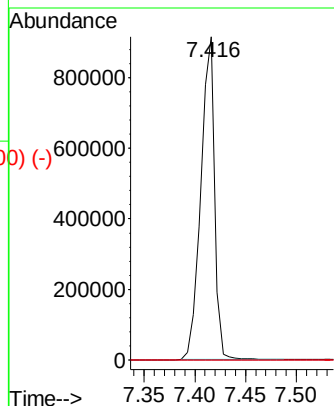
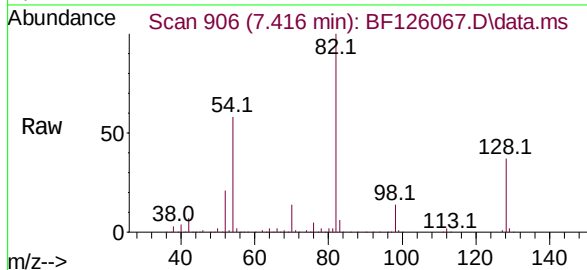
Tgt Ion: 82 Resp: 862032

Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#



Abundance Scan 991 (7.916 min): BF126018.D\data.ms (-974) #32

Benzoic acid

Concen: 9.162 ng

RT: 8.134 min Scan# 1028

Delta R.T. 0.218 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

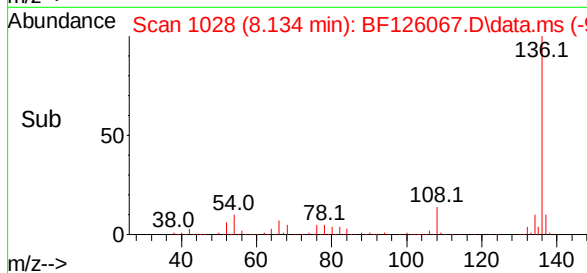
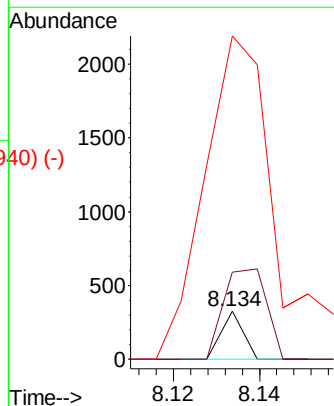
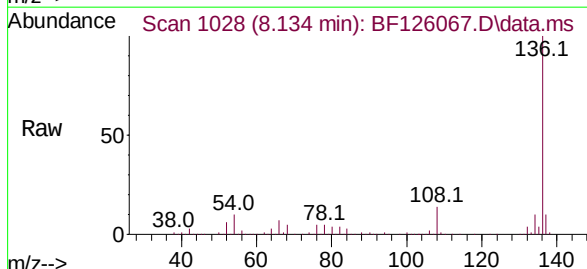
Tgt Ion: 122 Resp: 115

Ion Ratio Lower Upper

122 100

105 179.8 97.6 137.6#

77 670.3 59.6 99.6#



Abundance Scan 1327 (9.892 min): BF126018.D\data.ms (-1327.9)

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan#

Delta R.T. -0.006 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:164 Resp: 286414

Ion Ratio Lower Upper

164 100

162 103.0 81.3 121.9

160 44.6 38.0 57.0

Abundance Scan 1326 (9.886 min): BF126067.D\data.ms

Ref 50

162.1

54.0 80.0 100.0 132.1

m/z-->

Abundance

Raw 50

54.0 80.1 108.1 132.1

m/z-->

Abundance Scan 1326 (9.886 min): BF126067.D\data.ms (-1276) (-)

Sub 50

162.1

54.0 80.1 108.1 132.1

m/z-->

Abundance

9.886

300000

200000

100000

0

Time-->

Abundance Scan 1461 (10.680 min): BF126018.D\data.ms (-1461.4)

2,4,6-Tribromophenol

Concen: 85.868 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Tgt Ion:330 Resp: 281846

Ion Ratio Lower Upper

330 100

332 96.9 76.2 114.4

141 37.5 44.6 66.8#

Abundance Scan 1460 (10.675 min): BF126067.D\data.ms

Ref 50

329.8

62.0 140.9 221.8

m/z-->

Abundance

Raw 50

62.0 140.9 221.8

m/z-->

Abundance Scan 1460 (10.675 min): BF126067.D\data.ms (-1410) (-)

Sub 50

329.8

62.0 140.9 221.8

m/z-->

Abundance

10.675

300000

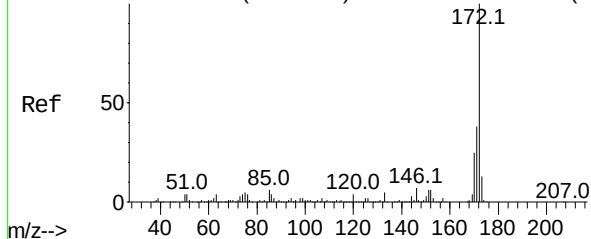
200000

100000

0

Time-->

Abundance Scan 1212 (9.216 min): BF126018.D\data.ms (-12651)



2-Fluorobiphenyl

Concen: 70.356 ng

RT: 9.210 min Scan#

Delta R.T. -0.006 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Instrument :

BNA_F

ClientSampleId :

TP-2

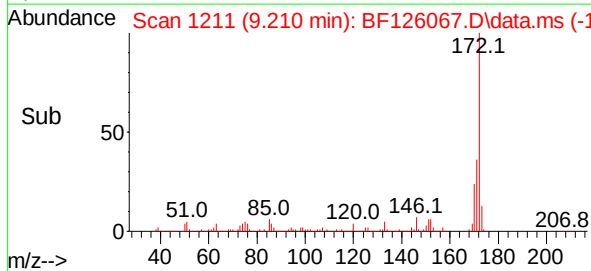
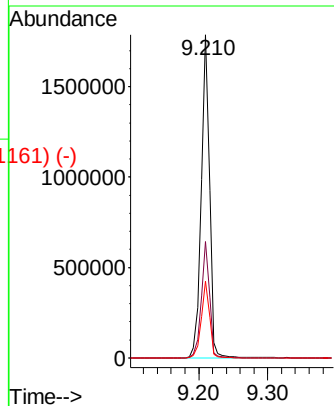
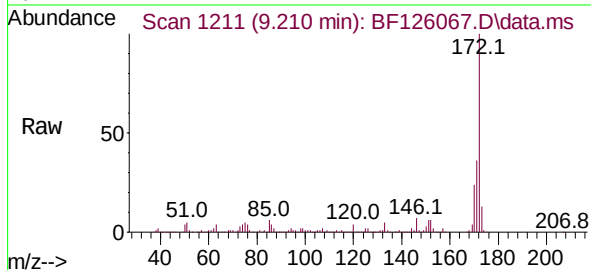
Tgt Ion:172 Resp: 1491152

Ion Ratio Lower Upper

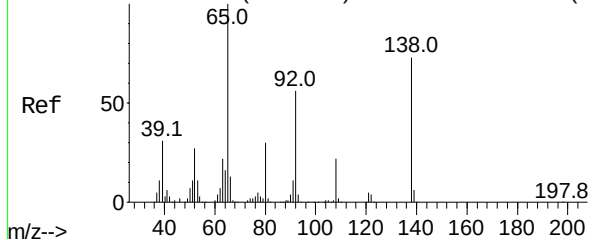
172 100

171 36.0 26.5 39.7

170 23.8 18.8 28.2



Abundance Scan 1248 (9.428 min): BF126018.D\data.ms (-12448)



2-Nitroaniline

Concen: 2.873 ng

RT: 9.404 min Scan# 1244

Delta R.T. -0.024 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

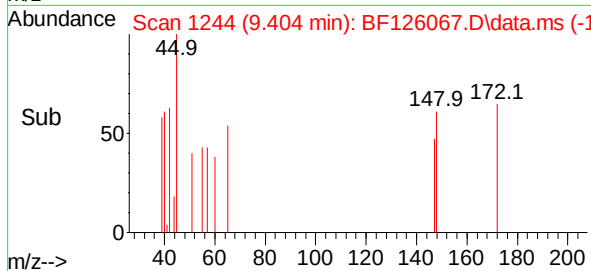
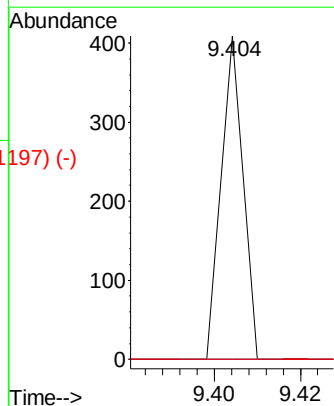
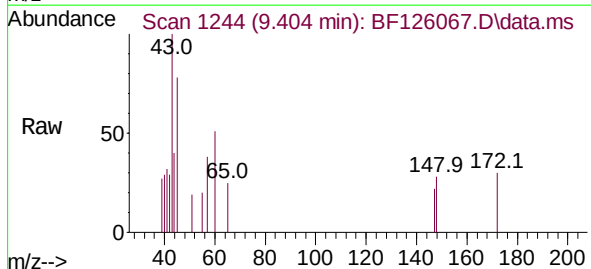
Tgt Ion: 65 Resp: 144

Ion Ratio Lower Upper

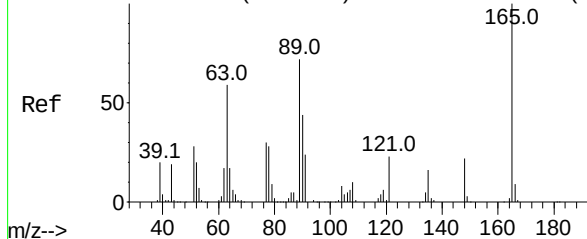
65 100

92 0.0 55.5 83.3#

138 0.0 93.5 140.3#



Abundance Scan 1290 (9.675 min): BF126018.D\data.ms (-1284)



2,6-Dinitrotoluene

Concen: 10.157 ng

RT: 9.886 min Scan#

Delta R.T. 0.211 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Instrument :

BNA_F

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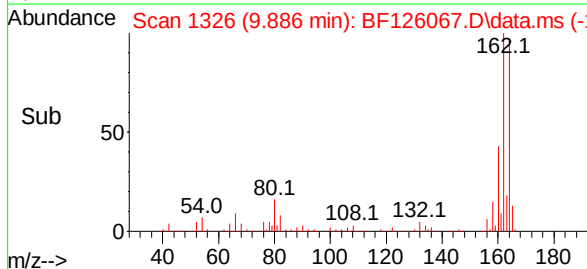
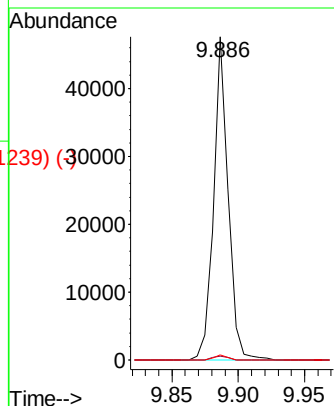
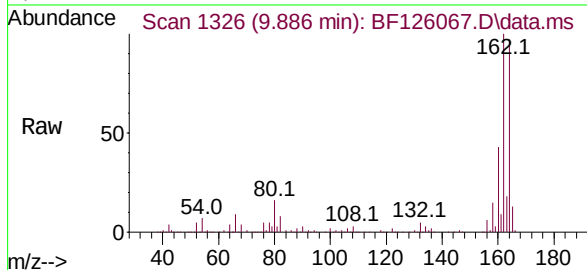
Tgt Ion:165 Resp: 36302

Ion Ratio Lower Upper

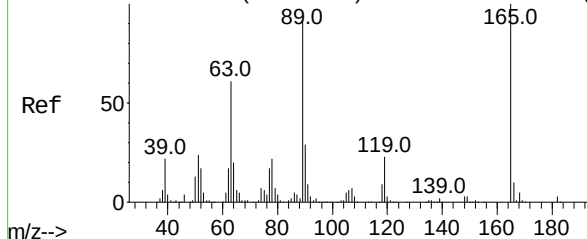
165 100

63 1.3 42.6 63.8#

89 1.5 40.6 60.8#



Abundance Scan 1358 (10.075 min): BF126018.D\data.ms (-1351)



2,4-Dinitrotoluene

Concen: 9.751 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.189 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Tgt Ion:165 Resp: 36302

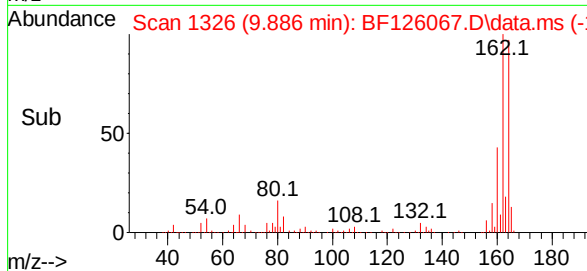
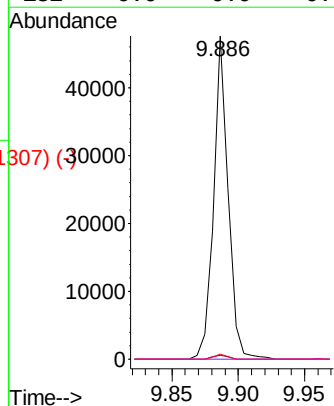
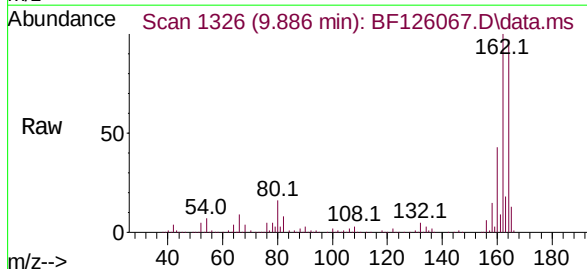
Ion Ratio Lower Upper

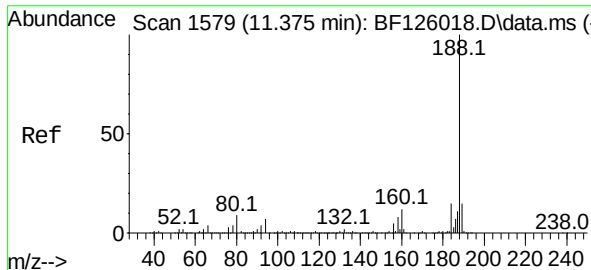
165 100

63 1.3 40.9 61.3#

89 1.5 59.7 89.5#

182 0.0 0.0 0.0

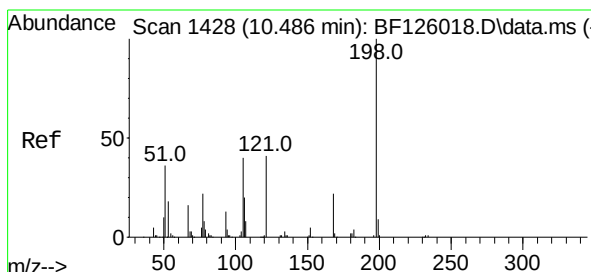
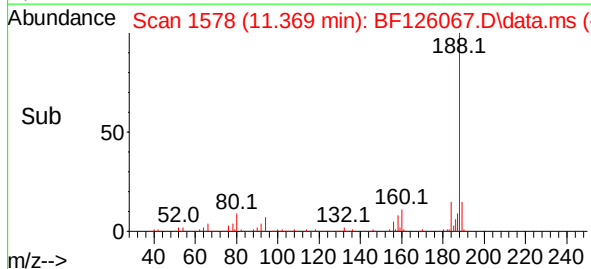
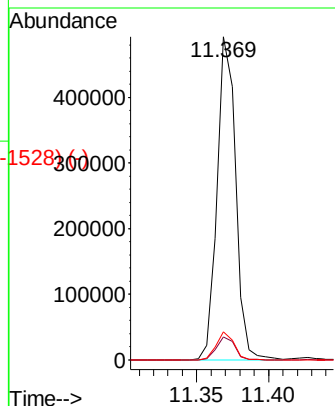
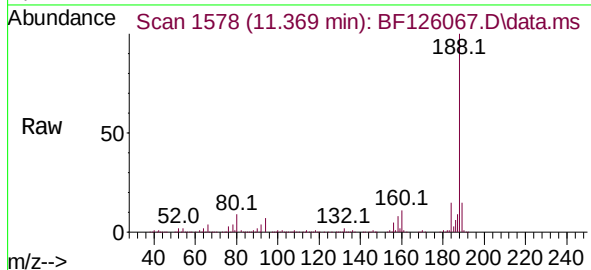




Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF126067.D
Acq: 8 Nov 2021 16:09

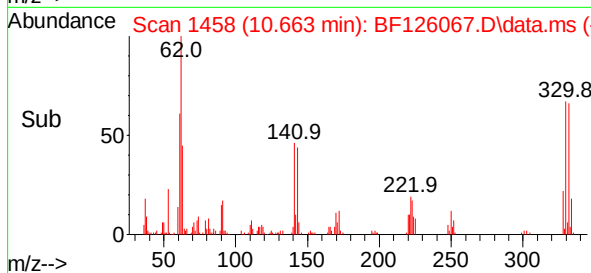
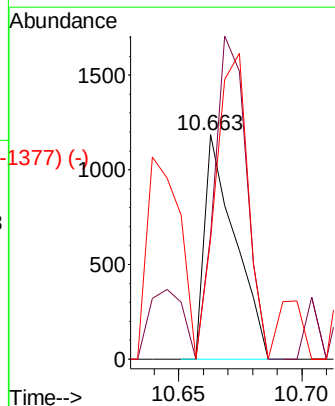
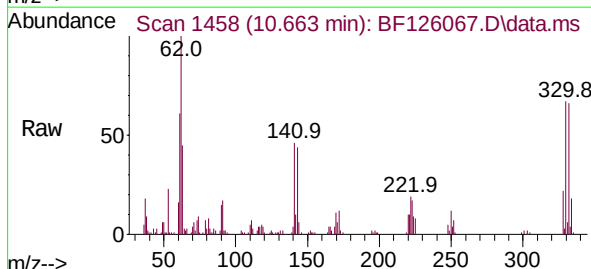
Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:188	Resp: 438852
Ion Ratio	Lower Upper
188 100	
94 7.2	6.7 10.1
80 8.7	7.5 11.3



4,6-Dinitro-2-methylphenol
Concen: 8.716 ng
RT: 10.663 min Scan# 1458
Delta R.T. 0.177 min
Lab File: BF126067.D
Acq: 8 Nov 2021 16:09

Tgt Ion:198	Resp: 1021
Ion Ratio	Lower Upper
198 100	
51 55.4	45.3 85.3
105 53.5	30.6 70.6



Abundance Scan 1502 (10.922 min): BF126018.D\data.ms (-1451) (-)

4-Bromophenyl-phenylether

Concen: 3.482 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.247 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:248 Resp: 18510

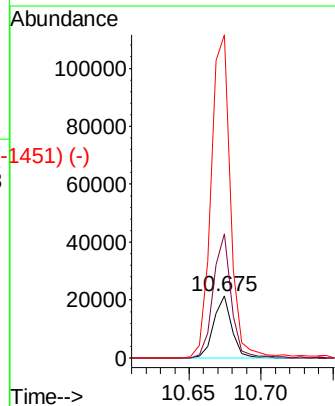
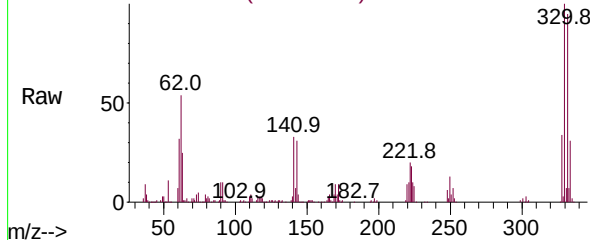
Ion Ratio Lower Upper

248 100

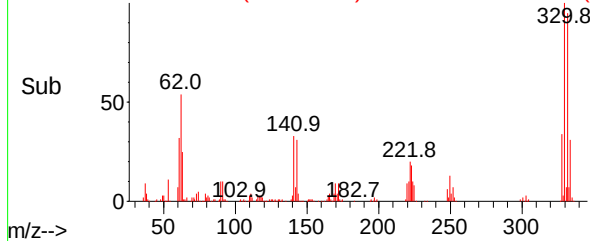
250 200.1 74.2 111.4#

141 522.0 60.4 90.6#

Abundance Scan 1460 (10.675 min): BF126067.D\data.ms



Abundance Scan 1460 (10.675 min): BF126067.D\data.ms (-1451) (-)



Abundance Scan 2076 (14.010 min): BF126018.D\data.ms (-1976) (-)

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Tgt Ion:240 Resp: 361664

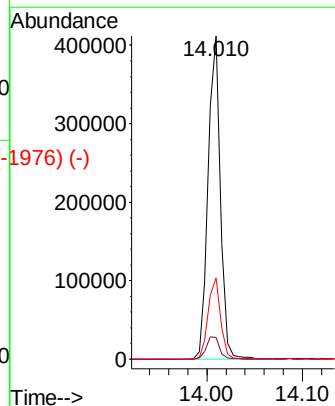
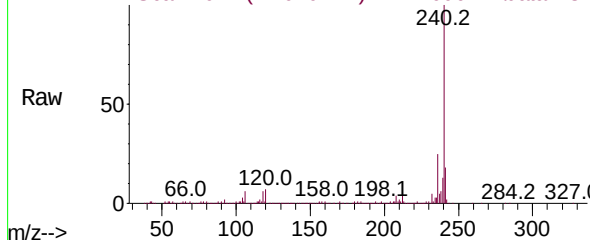
Ion Ratio Lower Upper

240 100

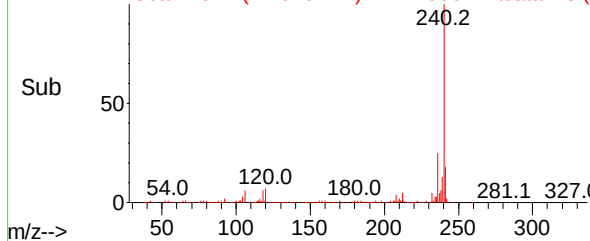
120 6.8 10.8 16.2#

236 25.2 21.6 32.4

Abundance Scan 2027 (14.010 min): BF126067.D\data.ms



Abundance Scan 2027 (14.010 min): BF126067.D\data.ms (-1976) (-)



Abundance Scan 1849 (12.963 min): BF126018.D\data.ms (-1872) (-)

Terphenyl-d14

Concen: 56.113 ng

RT: 12.957 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:244 Resp: 1258500

Ion Ratio Lower Upper

244 100

212 7.8 5.9 8.9

122 7.9 9.0 13.4#

Abundance Scan 1848 (12.957 min): BF126067.D\data.ms

Ref 50

244.2

54.1 92.1 122.1 160.1 212.2

m/z-->

Abundance Scan 1848 (12.957 min): BF126067.D\data.ms

Raw 50

244.2

54.1 92.0 122.1 160.1 212.1

m/z-->

Abundance Scan 1848 (12.957 min): BF126067.D\data.ms (-1798) (-)

Sub 50

244.2

54.1 92.0 122.1 160.1 212.1

m/z-->

Abundance

1500000

12.957

1000000

500000

0

Time-->

12.90 13.00

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

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF126067.D

Acq: 8 Nov 2021 16:09

Tgt Ion:264 Resp: 274451

Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

265 22.5 17.2 25.8

Abundance Scan 2276 (15.474 min): BF126067.D\data.ms

Ref 50

264.2

43.1 85.2 132.1 207.1 355.1

m/z-->

Abundance Scan 2276 (15.474 min): BF126067.D\data.ms

Raw 50

264.2

43.1 85.2 132.1 207.1 355.1

m/z-->

Abundance Scan 2276 (15.474 min): BF126067.D\data.ms (-2224) (-)

Sub 50

264.1

52.0 132.1 207.1 328.1

m/z-->

Abundance

200000

15.474

150000

100000

50000

0

Time-->

15.40 15.50