

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022122\
 Data File : BF126988.D
 Acq On : 21 Feb 2022 22:12
 Operator : CG\JU
 Sample : N1602-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20220075-BERKELEY-2-COMP

Quant Time: Feb 22 03:52:50 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)

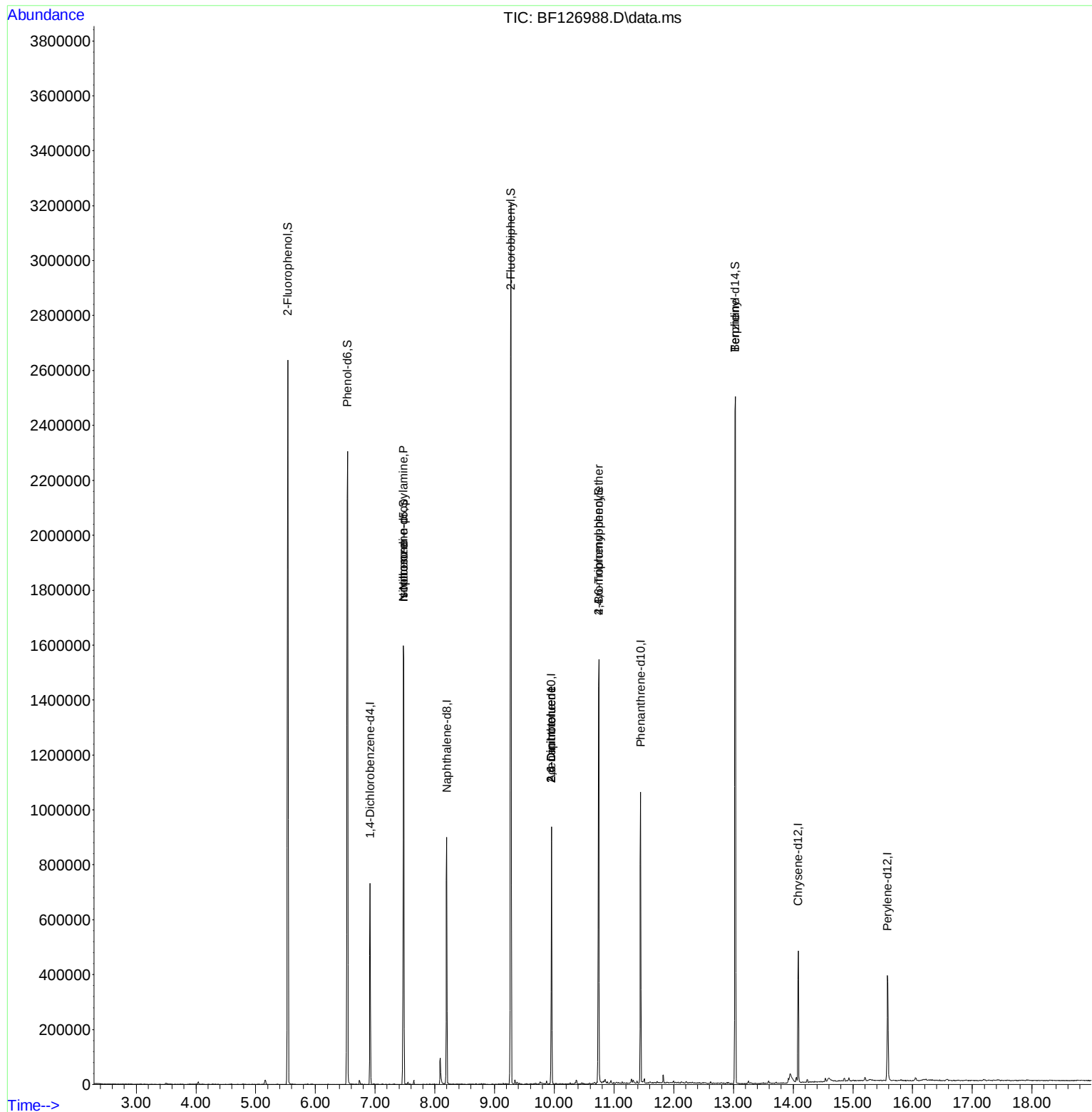
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	89131	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	364064	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	188755	20.000	ng	-0.01
64) Phenanthrene-d10	11.445	188	333598	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	146651	20.000	ng	#-0.01
86) Perylene-d12	15.580	264	165648	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	601732	104.343	ng	0.00
7) Phenol-d6	6.540	99	794849	102.146	ng	0.00
23) Nitrobenzene-d5	7.475	82	559944	69.423	ng	-0.02
42) 2,4,6-Tribromophenol	10.745	330	176714	81.313	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	906240	70.680	ng	0.00
79) Terphenyl-d14	13.033	244	863107	86.518	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.475	70	77415	15.439	ng	# 80
25) Isophorone	7.475	82	559657	41.932	ng	# 69
51) 2,6-Dinitrotoluene	9.951	165	24980	9.100	ng	# 21
57) 2,4-Dinitrotoluene	9.951	165	24980	6.731	ng	# 15
67) 4-Bromophenyl-phenylether	10.745	248	10952	2.938	ng	# 1
77) Benzidine	13.033	184	13106	3.289	ng	# 92

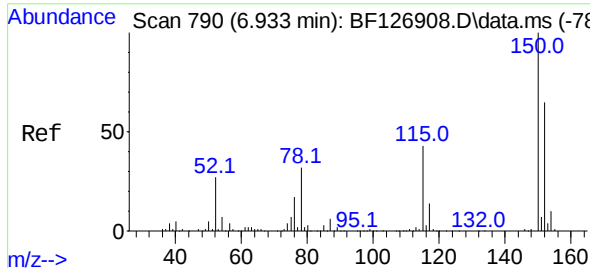
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF126988.D

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Instrument :

BNA_F

ClientSampleId :

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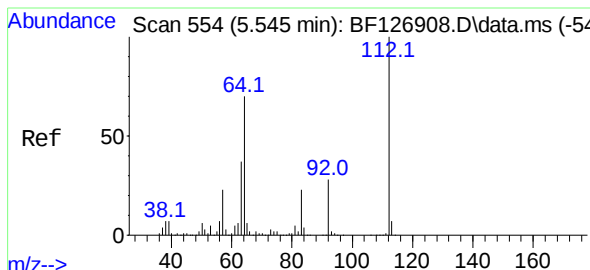
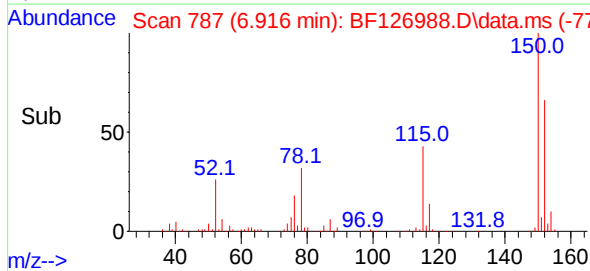
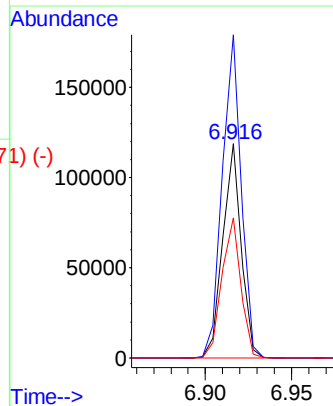
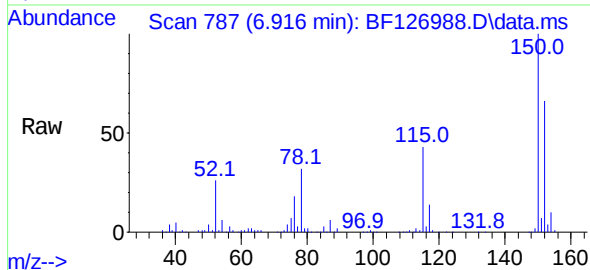
Tgt Ion:152 Resp: 89131

Ion Ratio Lower Upper

152 100

150 150.9 128.1 192.1

115 65.4 56.7 85.1



2-Fluorophenol

Concen: 104.343 ng

RT: 5.540 min Scan# 553

Delta R.T. 0.000 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

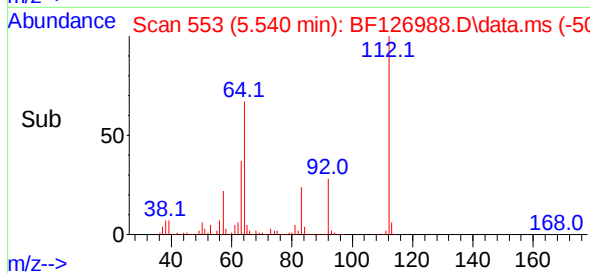
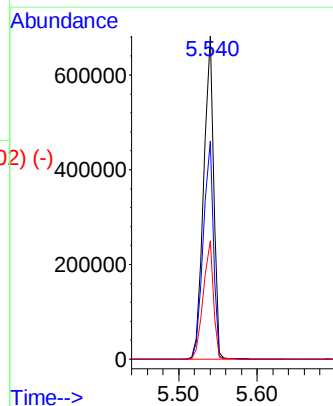
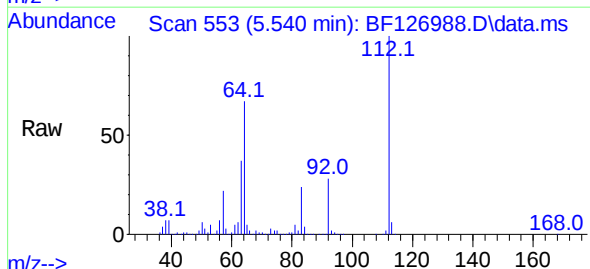
Tgt Ion:112 Resp: 601732

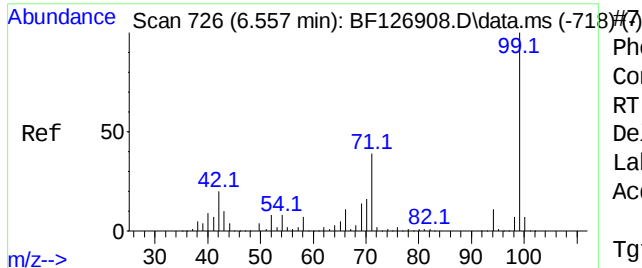
Ion Ratio Lower Upper

112 100

64 67.5 49.5 74.3

63 36.6 23.9 35.9#





Phenol-d6

Concen: 102.146 ng

RT: 6.540 min Scan#

Delta R.T. -0.006 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

20220075-BERKELEY-2-COMP

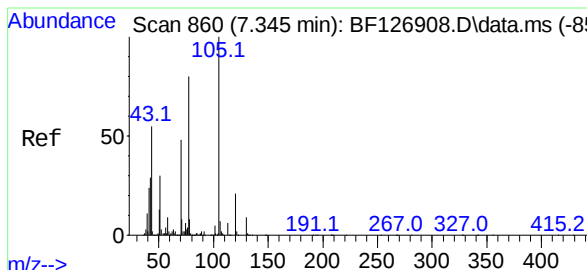
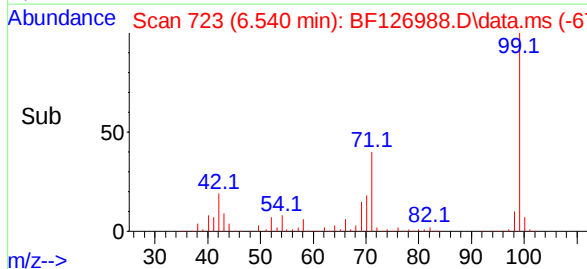
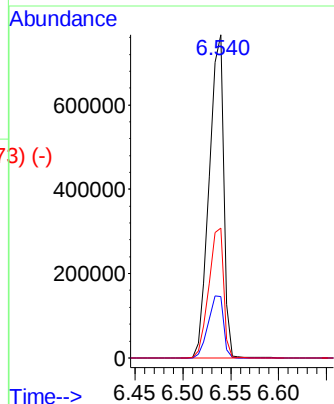
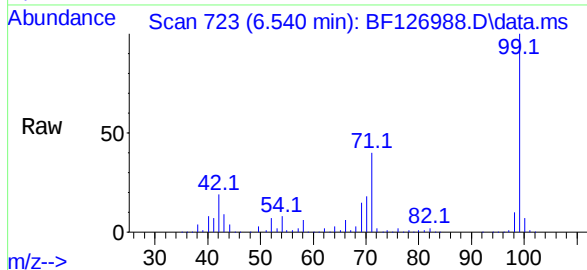
Tgt Ion: 99 Resp: 794849

Ion Ratio Lower Upper

99 100

42 18.9 14.2 21.4

71 40.2 24.3 36.5#



n-Nitroso-di-n-propylamine

Concen: 15.439 ng

RT: 7.475 min Scan# 882

Delta R.T. 0.141 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Tgt Ion: 70 Resp: 77415

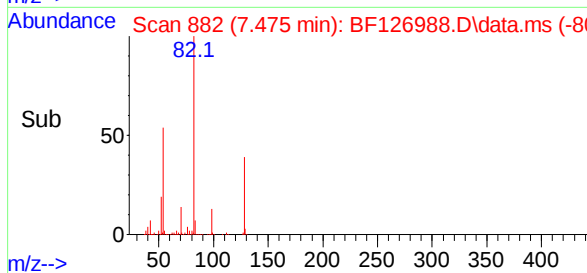
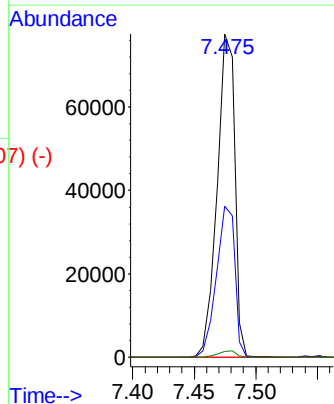
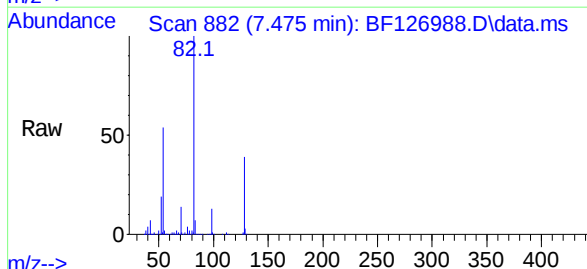
Ion Ratio Lower Upper

70 100

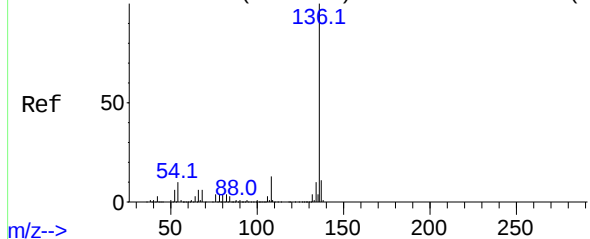
42 46.8 45.8 68.8

101 0.0 6.9 10.3#

130 1.8 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: BF126988.D

Acq: 21 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

20220075-BERKELEY-2-COMP

Tgt Ion:136 Resp: 364064

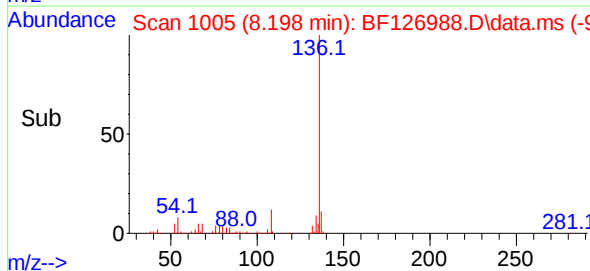
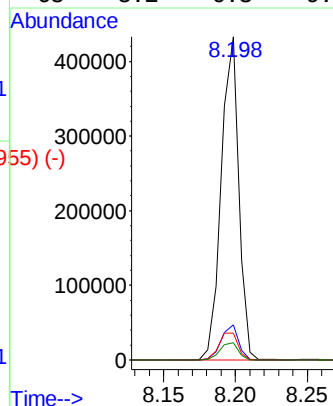
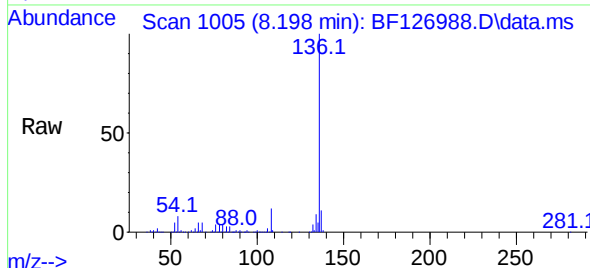
Ion Ratio Lower Upper

136 100

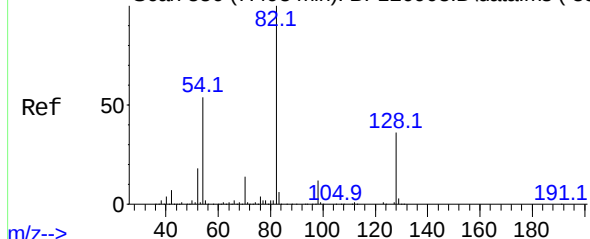
137 11.0 8.6 13.0

54 8.3 7.8 11.6

68 5.2 6.3 9.5#



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



Nitrobenzene-d5

Concen: 69.423 ng

RT: 7.475 min Scan# 882

Delta R.T. -0.018 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

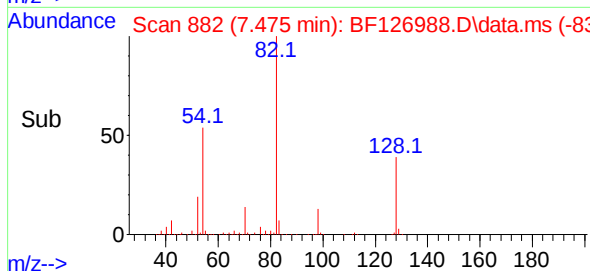
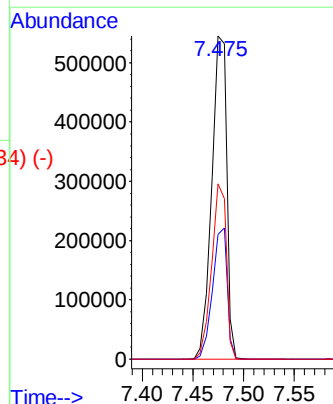
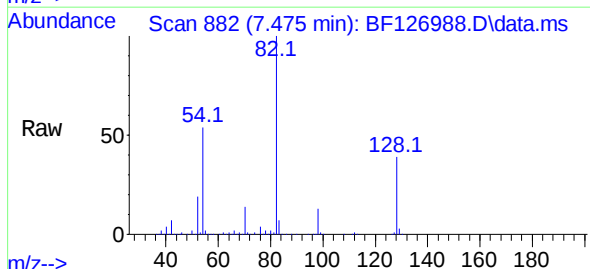
Tgt Ion: 82 Resp: 559944

Ion Ratio Lower Upper

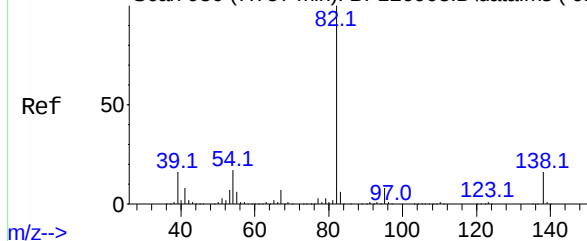
82 100

128 38.5 32.7 49.1

54 54.2 41.7 62.5



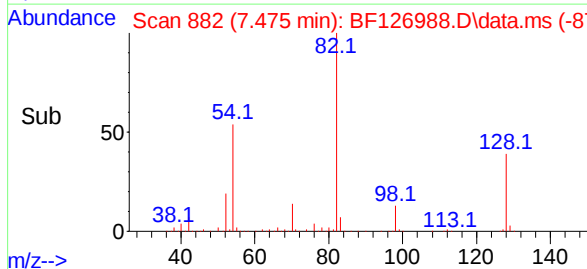
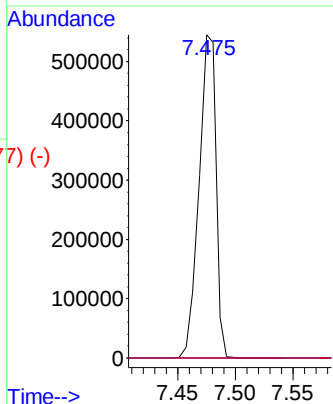
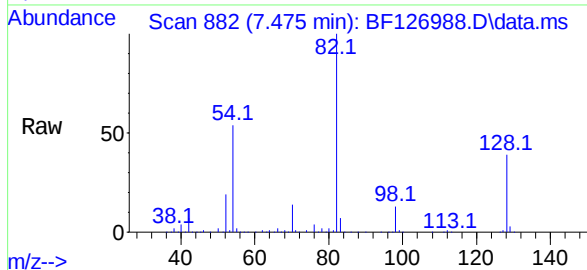
Abundance Scan 930 (7.757 min): BF126908.D\data.ms (-923) #25



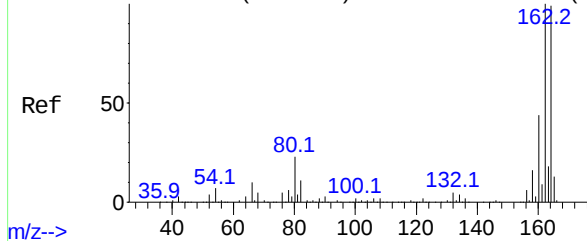
Isophorone
Concen: 41.932 ng
RT: 7.475 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF126988.D
Acq: 21 Feb 2022 22:12

Instrument :
BNA_F
ClientSampleId :
20220075-BERKELEY-2-COMP

Tgt Ion: 82 Resp: 559657
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

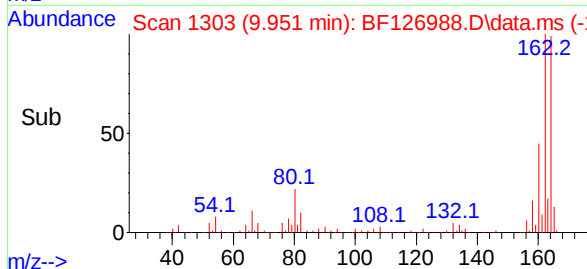
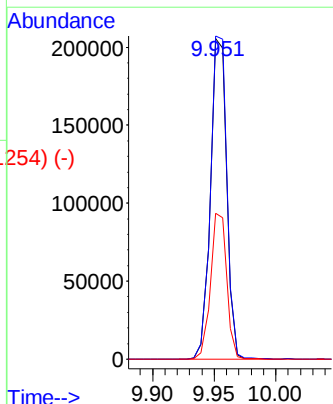
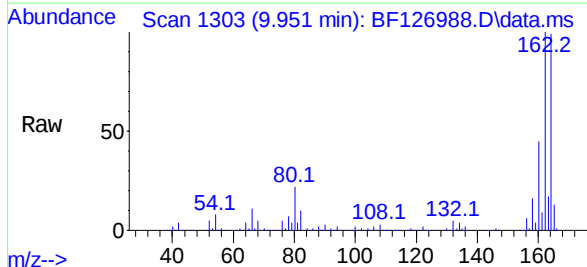


Abundance Scan 1307 (9.974 min): BF126908.D\data.ms (-1307) #39



Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF126988.D
Acq: 21 Feb 2022 22:12

Tgt Ion: 164 Resp: 188755
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 45.4 36.6 54.8



Abundance Scan 1442 (10.769 min): BF126908.D\data.ms (-1438) (-)

2,4,6-Tribromophenol

Concen: 81.313 ng

RT: 10.745 min Scan# 1438

Delta R.T. -0.006 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

20220075-BERKELEY-2-COMP

Tgt Ion:330 Resp: 176714

Ion Ratio Lower Upper

330 100

332 97.0 76.0 114.0

141 38.0 30.1 45.1

Abundance Scan 1438 (10.745 min): BF126988.D\data.ms

Ref

Raw

Sub

m/z-->

Abundance Scan 1438 (10.745 min): BF126988.D\data.ms (-1388) (-)

Ref

Raw

Sub

m/z-->

Abundance

Time-->

Abundance Scan 1191 (9.292 min): BF126908.D\data.ms (-1185) (-)

2-Fluorobiphenyl

Concen: 70.680 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Tgt Ion:172 Resp: 906240

Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.4 19.0 28.6

Abundance Scan 1188 (9.275 min): BF126988.D\data.ms

Ref

Raw

Sub

m/z-->

Abundance Scan 1188 (9.275 min): BF126988.D\data.ms (-1138) (-)

Ref

Raw

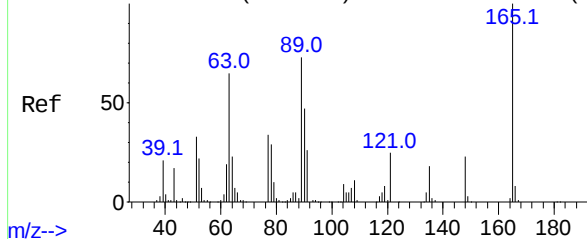
Sub

m/z-->

Abundance

Time-->

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



2,6-Dinitrotoluene

Concen: 9.100 ng

RT: 9.951 min Scan# 1303

Delta R.T. 0.206 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

20220075-BERKELEY-2-COMP

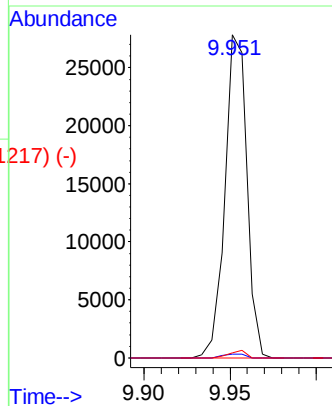
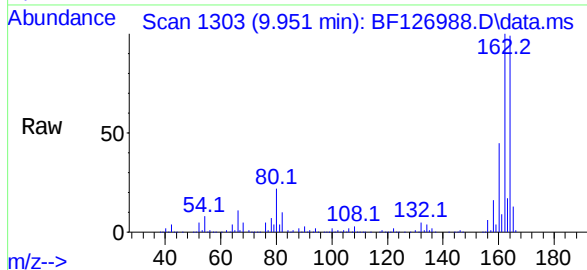
Tgt Ion:165 Resp: 24980

Ion Ratio Lower Upper

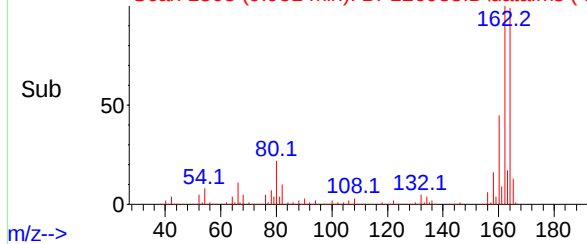
165 100

63 1.1 48.4 72.6#

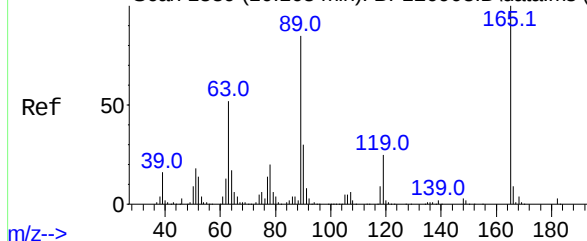
89 1.6 50.5 75.7#



Abundance Scan 1303 (9.951 min): BF126988.D\data.ms (-1217) (-)



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



2,4-Dinitrotoluene

Concen: 6.731 ng

RT: 9.951 min Scan# 1303

Delta R.T. -0.200 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Tgt Ion:165 Resp: 24980

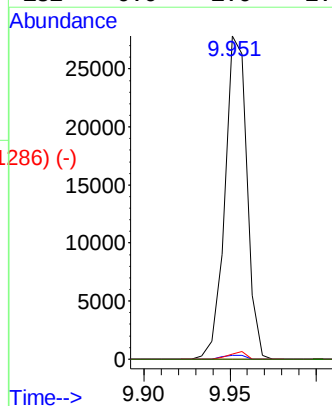
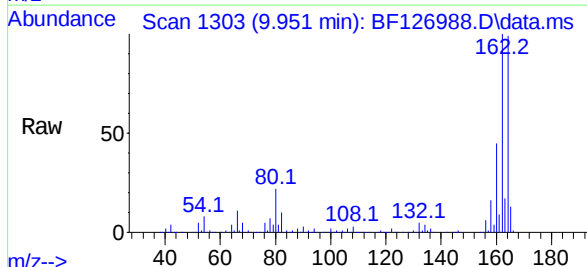
Ion Ratio Lower Upper

165 100

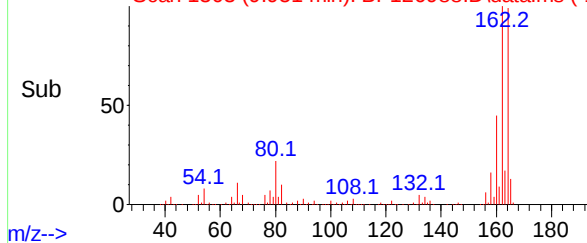
63 1.1 43.0 64.6#

89 1.6 71.0 106.4#

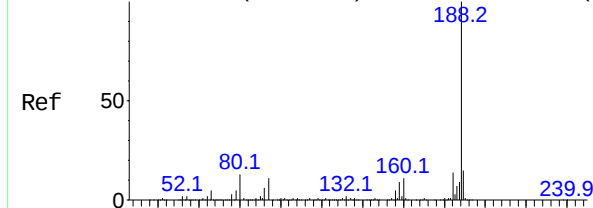
182 0.0 1.6 2.4#



Abundance Scan 1303 (9.951 min): BF126988.D\data.ms (-1286) (-)



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



Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Instrument :

BNA_F

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20220075-BERKELEY-2-COMP

Tgt Ion:188 Resp: 333598

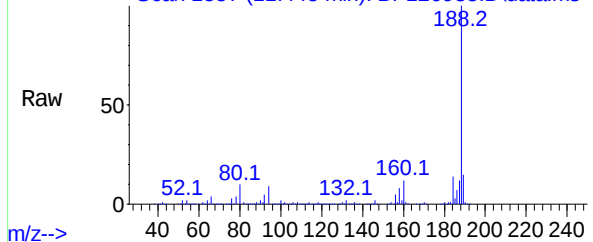
Ion Ratio Lower Upper

188 100

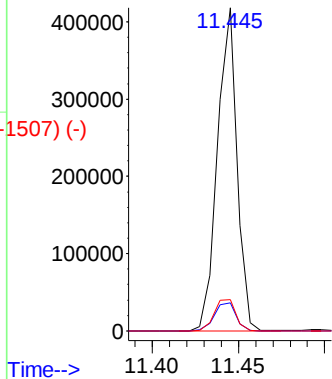
94 8.7 10.1 15.1#

80 9.7 11.8 17.6#

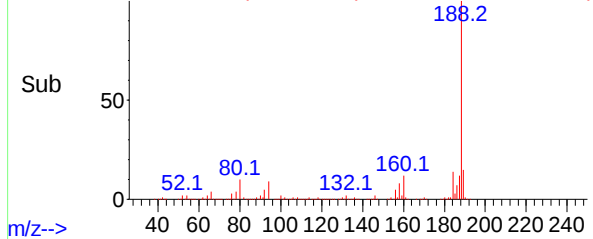
Abundance Scan 1557 (11.445 min): BF126988.D\data.ms (-1557) (-)



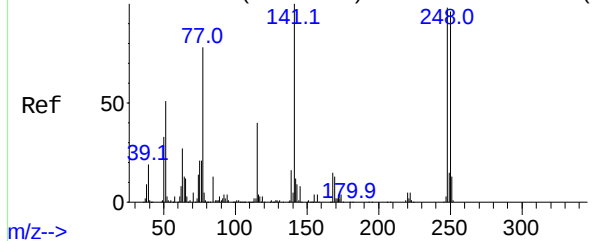
Abundance



Abundance Scan 1557 (11.445 min): BF126988.D\data.ms (-1507) (-)



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



4-Bromophenyl-phenylether

Concen: 2.938 ng

RT: 10.745 min Scan# 1438

Delta R.T. -0.247 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Tgt Ion:248 Resp: 10952

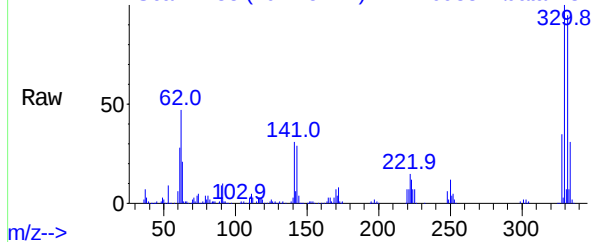
Ion Ratio Lower Upper

248 100

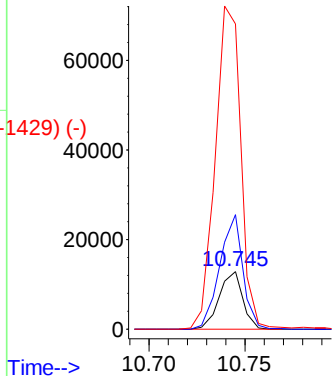
250 197.6 76.2 114.4#

141 527.6 66.2 99.4#

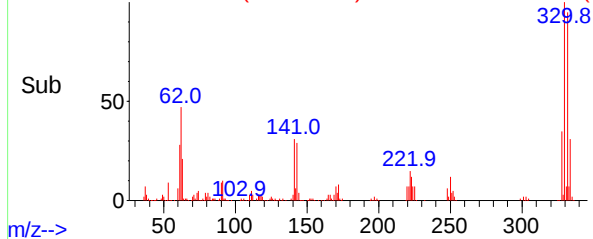
Abundance Scan 1438 (10.745 min): BF126988.D\data.ms (-1438) (-)



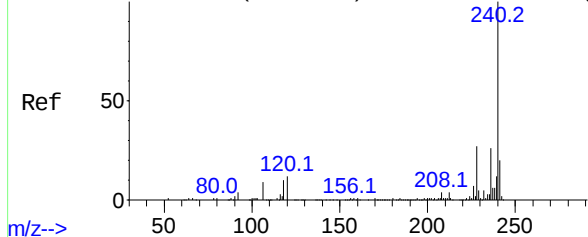
Abundance



Abundance Scan 1438 (10.745 min): BF126988.D\data.ms (-1429) (-)



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: BF126988.D

Acq: 21 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

20220075-BERKELEY-2-COMP

Tgt Ion:240 Resp: 146651

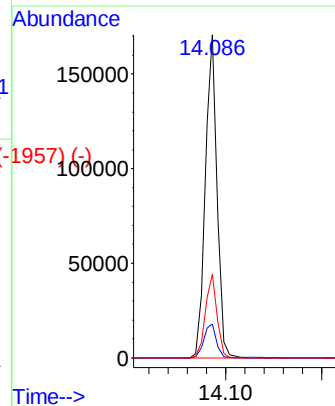
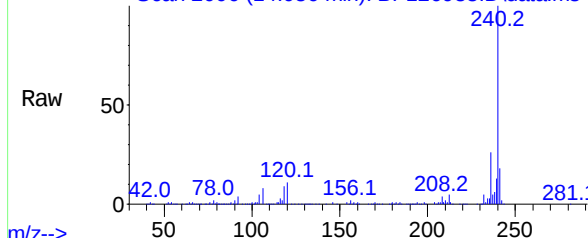
Ion Ratio Lower Upper

240 100

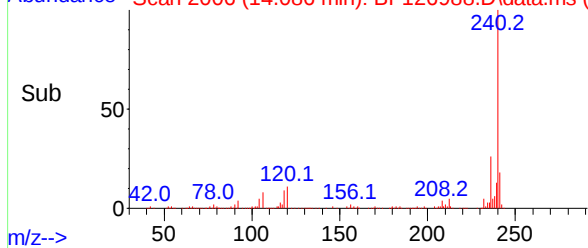
120 10.6 14.4 21.6#

236 25.9 20.5 30.7

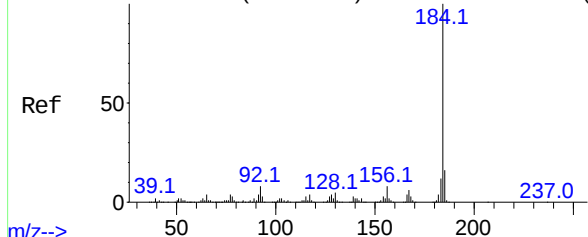
Abundance Scan 2006 (14.086 min): BF126988.D\data.ms



Abundance Scan 2006 (14.086 min): BF126988.D\data.ms (-1957)



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



Benzidine

Concen: 3.289 ng

RT: 13.033 min Scan# 1827

Delta R.T. 0.247 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Tgt Ion:184 Resp: 13106

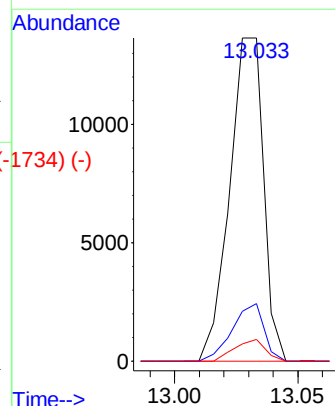
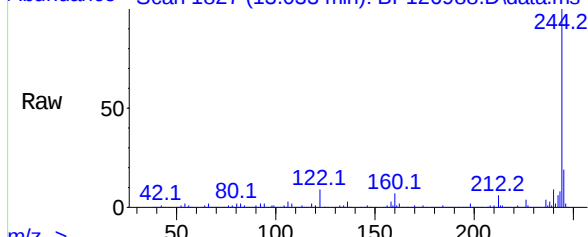
Ion Ratio Lower Upper

184 100

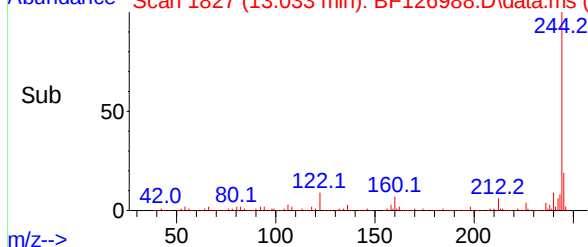
185 17.8 11.8 17.8#

183 6.6 8.2 12.2#

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms



Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1734)



Abundance Scan 1830 (13.051 min): BF126908.D\data.ms (-1829 (-)

Terphenyl-d14

Concen: 86.518 ng

RT: 13.033 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

20220075-BERKELEY-2-COMP

Tgt Ion:244 Resp: 863107

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 8.7 13.3 19.9#

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

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m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

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m/z-->

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m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

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m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance Scan 1827 (13.033 min): BF126988.D\data.ms (-1777 (-)

m/z-->

Abundance

13.033

800000

600000

400000

200000

0

Time-->

13.00 13.10

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

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2260

Delta R.T. -0.012 min

Lab File: BF126988.D

Acq: 21 Feb 2022 22:12

Tgt Ion:264 Resp: 165648

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 20.4 17.4 26.2

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance Scan 2260 (15.580 min): BF126988.D\data.ms (-2211 (-)

m/z-->

Abundance

15.580

100000

50000

0

Time-->

15.50 15.60