

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022122\
 Data File : BF126991.D
 Acq On : 21 Feb 2022 23:37
 Operator : CG\JU
 Sample : N1602-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20220077B-BERKELEY-4B-COMP

Quant Time: Feb 22 03:53:41 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)

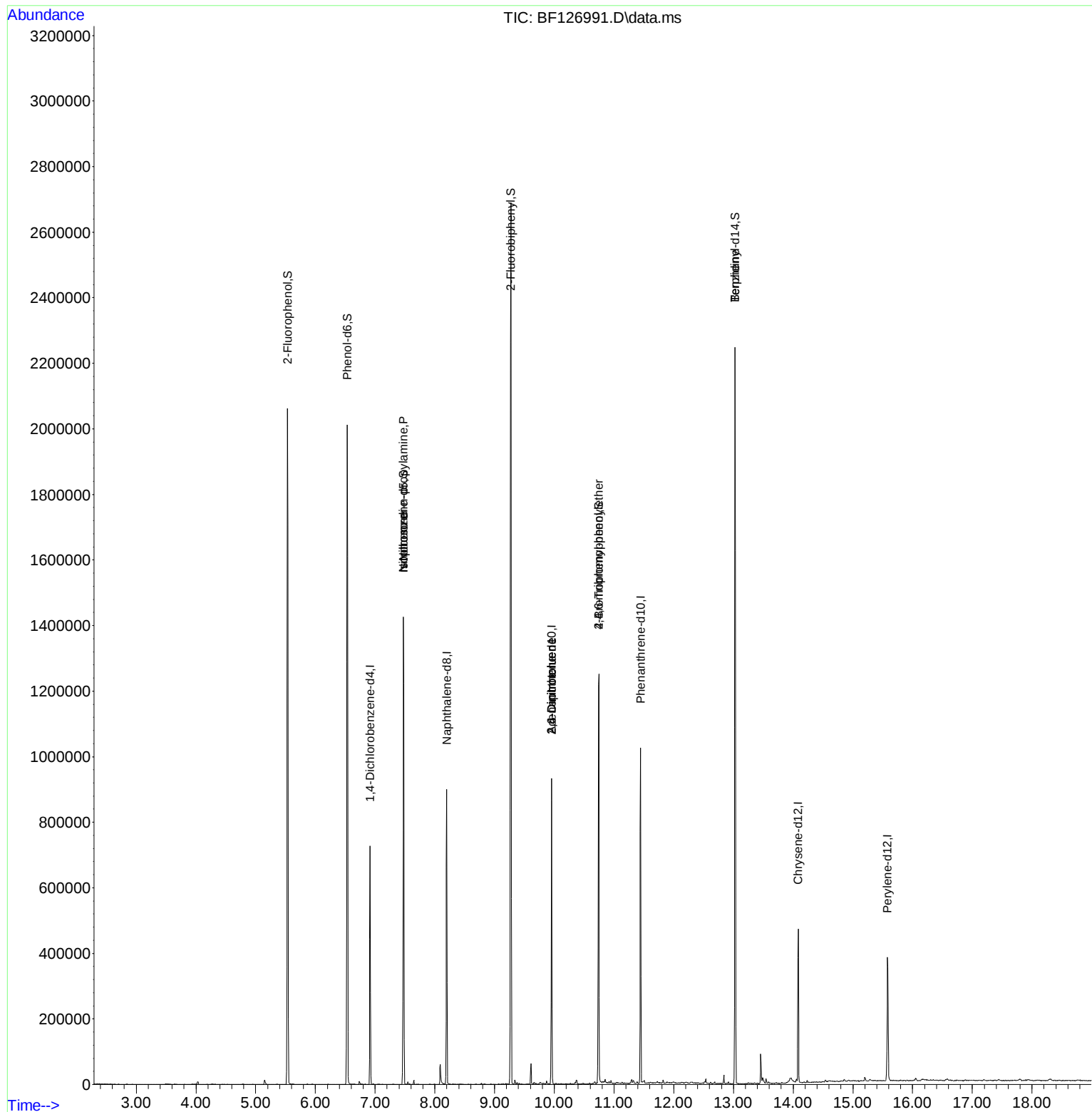
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	86949	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	352367	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	182674	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	322236	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	143200	20.000	ng	#-0.01
86) Perylene-d12	15.580	264	163284	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	511252	90.878	ng	0.00
7) Phenol-d6	6.534	99	668922	88.120	ng	-0.01
23) Nitrobenzene-d5	7.475	82	470909	60.322	ng	-0.02
42) 2,4,6-Tribromophenol	10.745	330	139288	66.225	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	746301	60.144	ng	0.00
79) Terphenyl-d14	13.027	244	697470	71.600	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	64370	13.160	ng	# 80
25) Isophorone	7.475	82	470686	36.437	ng	# 69
51) 2,6-Dinitrotoluene	9.957	165	23583	8.877	ng	# 21
57) 2,4-Dinitrotoluene	9.957	165	23583	6.566	ng	# 15
67) 4-Bromophenyl-phenylether	10.745	248	8614	2.393	ng	# 1
77) Benzidine	13.027	184	10274	2.640	ng	# 94

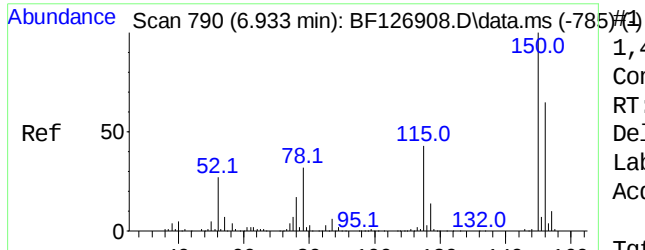
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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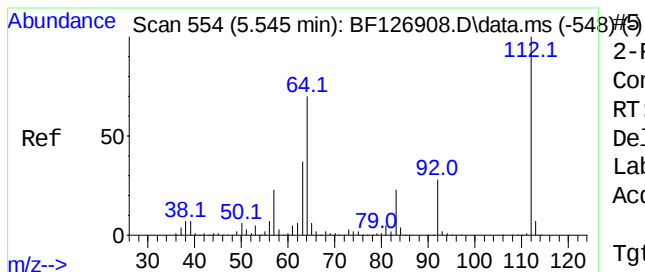
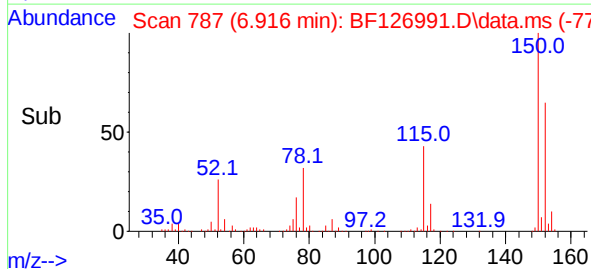
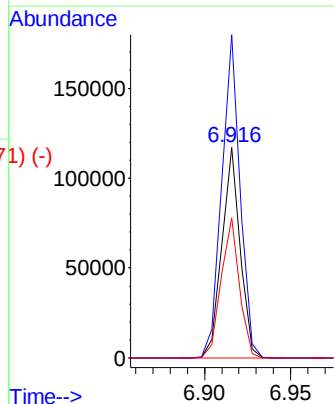
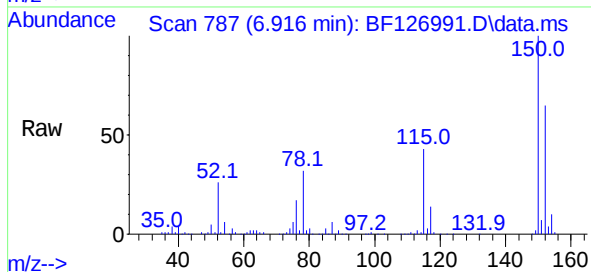




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.916 min Scan#
 Delta R.T. -0.006 min
 Lab File: BF126991.D
 Acq: 21 Feb 2022 23:37

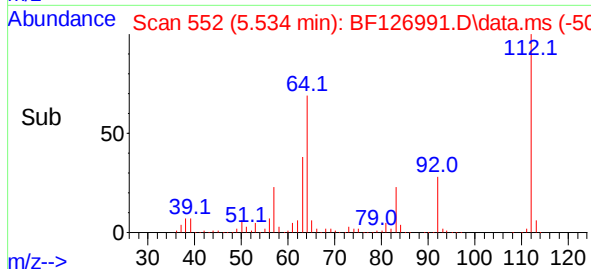
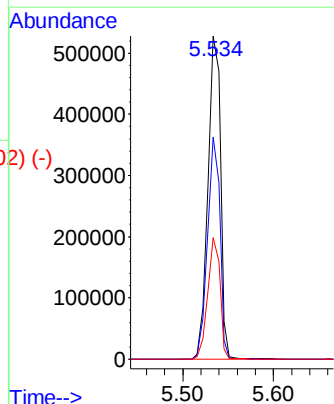
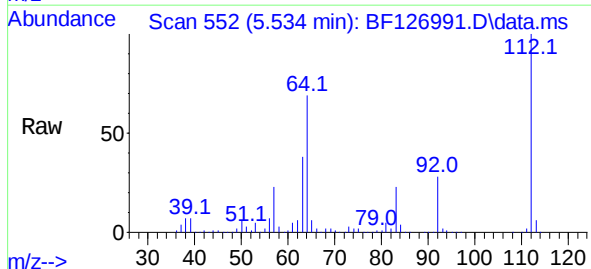
Instrument :
 BNA_F
 ClientSampleId :
 20220077B-BERKELEY-4B-COMP

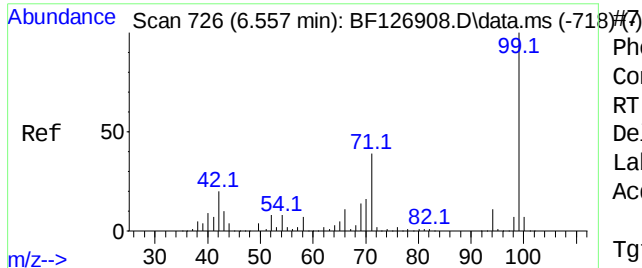
Tgt Ion:	152	Resp:	86949
Ion	Ratio	Lower	Upper
152	100		
150	153.4	128.1	192.1
115	66.6	56.7	85.1



2-Fluorophenol
 Concen: 90.878 ng
 RT: 5.534 min Scan# 552
 Delta R.T. -0.006 min
 Lab File: BF126991.D
 Acq: 21 Feb 2022 23:37

Tgt Ion:	112	Resp:	511252
Ion	Ratio	Lower	Upper
112	100		
64	68.8	49.5	74.3
63	37.6	23.9	35.9





Phenol-d6

Concen: 88.120 ng

RT: 6.534 min Scan#

Delta R.T. -0.012 min

Lab File: BF126991.D

Acq: 21 Feb 2022 23:37

Instrument :

BNA_F

ClientSampleId :

20220077B-BERKELEY-4B-COMP

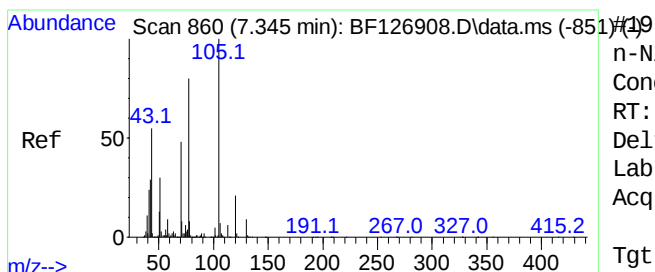
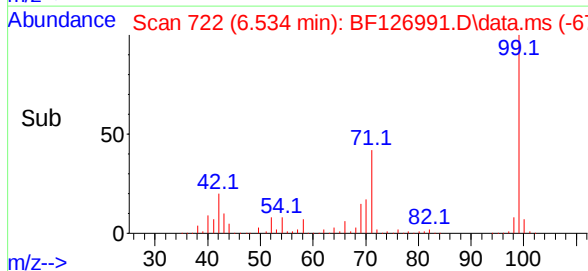
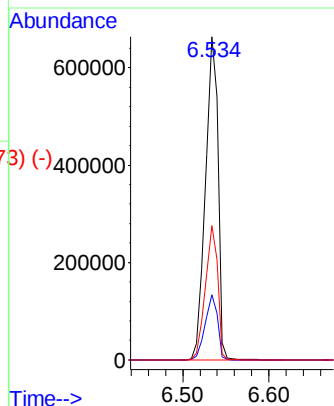
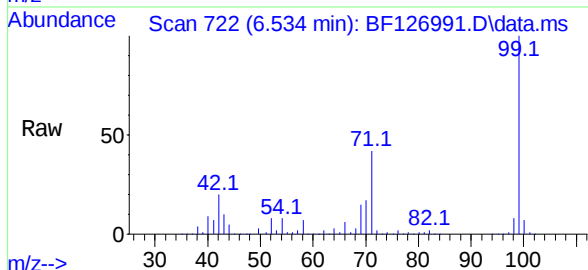
Tgt Ion: 99 Resp: 668922

Ion Ratio Lower Upper

99 100

42 20.1 14.2 21.4

71 41.6 24.3 36.5#



n-Nitroso-di-n-propylamine

Concen: 13.160 ng

RT: 7.475 min Scan# 882

Delta R.T. 0.141 min

Lab File: BF126991.D

Acq: 21 Feb 2022 23:37

Tgt Ion: 70 Resp: 64370

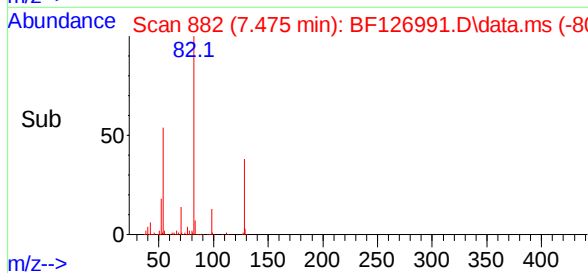
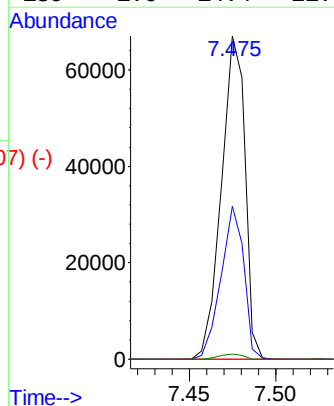
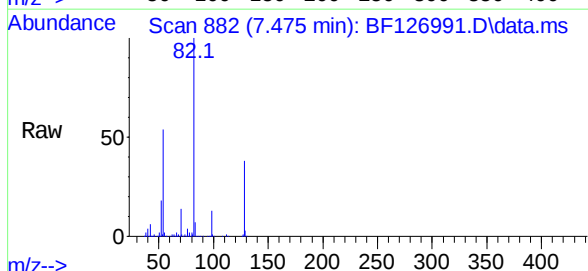
Ion Ratio Lower Upper

70 100

42 47.2 45.8 68.8

101 0.0 6.9 10.3#

130 1.6 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: BF126991.D

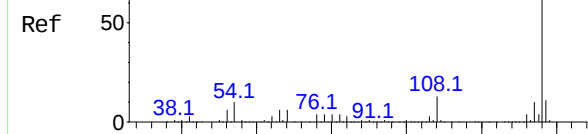
Acq: 21 Feb 2022 23:37

Instrument :

BNA_F

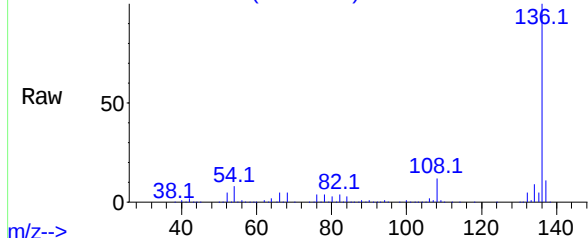
ClientSampleId :

20220077B-BERKELEY-4B-COMP



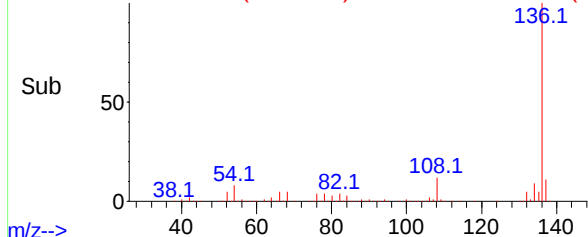
m/z-->

Abundance Scan 1005 (8.198 min): BF126991.D\data.ms



m/z-->

Abundance Scan 1005 (8.198 min): BF126991.D\data.ms (-955) (-)



m/z-->

Tgt Ion:136 Resp: 352367

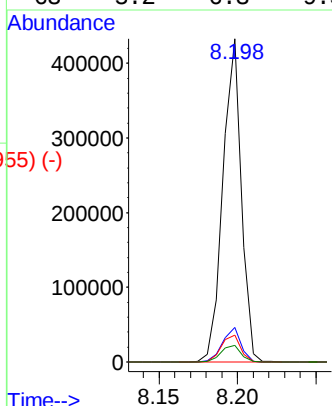
Ion Ratio Lower Upper

136 100

137 10.6 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) (-)

Nitrobenzene-d5

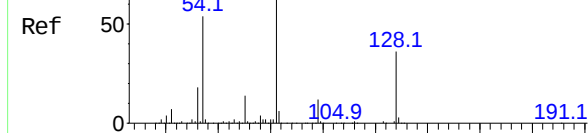
Concen: 60.322 ng

RT: 7.475 min Scan# 882

Delta R.T. -0.018 min

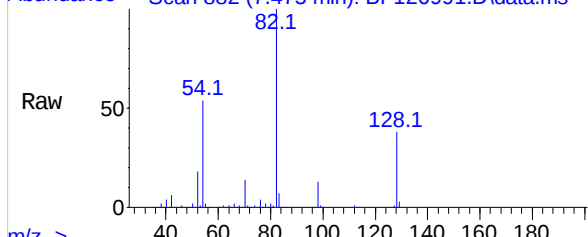
Lab File: BF126991.D

Acq: 21 Feb 2022 23:37



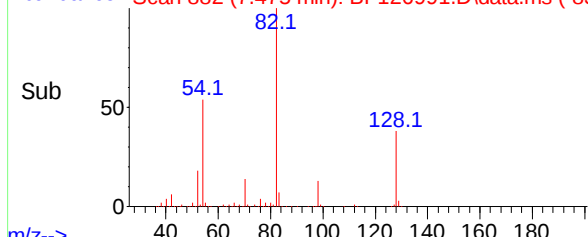
m/z-->

Abundance Scan 882 (7.475 min): BF126991.D\data.ms



m/z-->

Abundance Scan 882 (7.475 min): BF126991.D\data.ms (-834) (-)



m/z-->

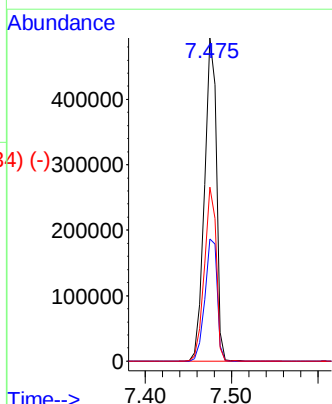
Tgt Ion: 82 Resp: 470909

Ion Ratio Lower Upper

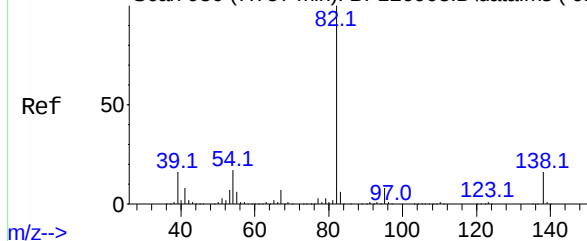
82 100

128 37.8 32.7 49.1

54 53.8 41.7 62.5



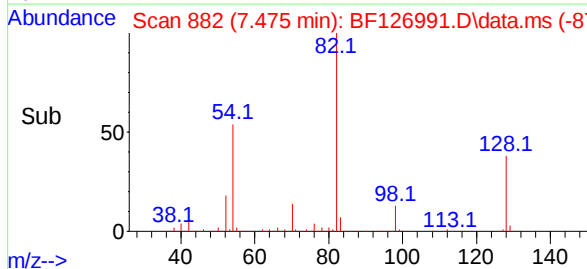
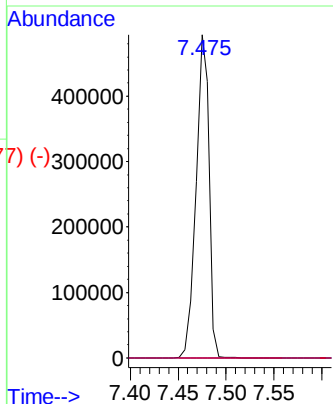
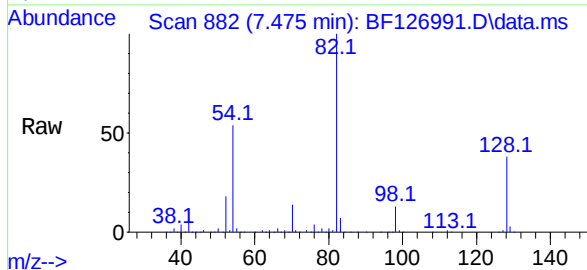
Abundance Scan 930 (7.757 min): BF126908.D\data.ms (-923) #25



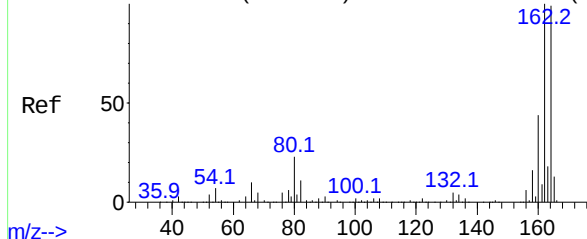
Isophorone
Concen: 36.437 ng
RT: 7.475 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF126991.D
Acq: 21 Feb 2022 23:37

Instrument :
BNA_F
ClientSampleId :
20220077B-BERKELEY-4B-COMP

Tgt Ion: 82 Resp: 470686
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#

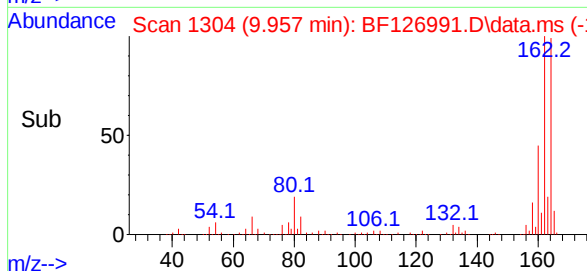
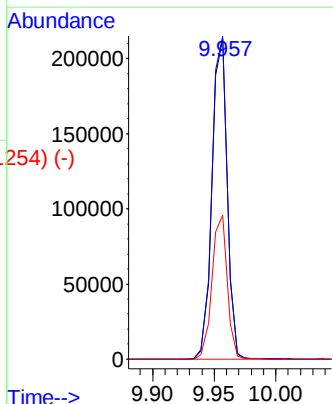
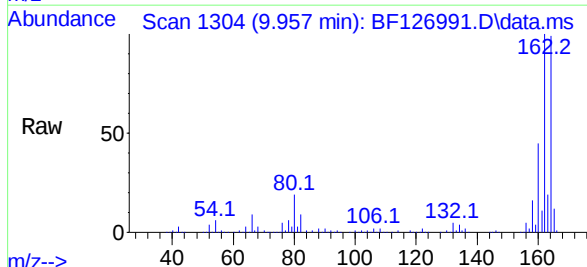


Abundance Scan 1307 (9.974 min): BF126908.D\data.ms (-1304) #39

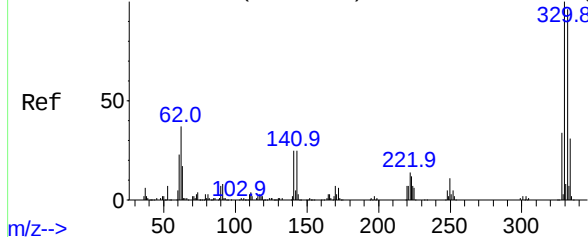


Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF126991.D
Acq: 21 Feb 2022 23:37

Tgt Ion:164 Resp: 182674
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 45.0 36.6 54.8



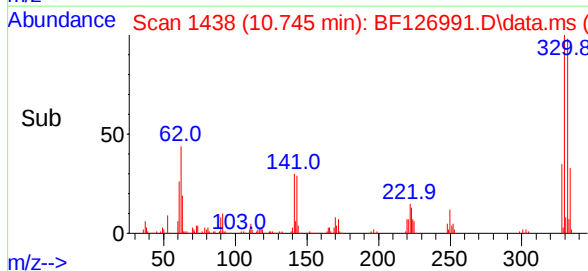
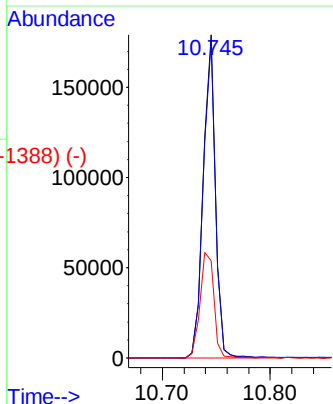
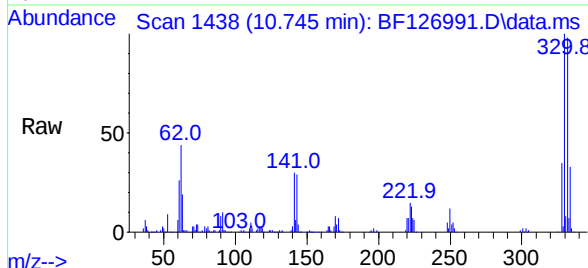
Abundance Scan 1442 (10.769 min): BF126908.D\data.ms (-1442) (-)



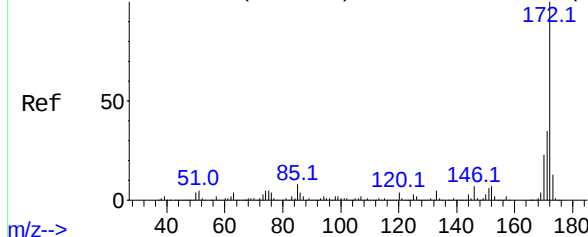
2,4,6-Tribromophenol
Concen: 66.225 ng
RT: 10.745 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF126991.D
Acq: 21 Feb 2022 23:37

Instrument :
BNA_F
ClientSampleId :
20220077B-BERKELEY-4B-COMP

Tgt Ion:	330	Resp:	139288
Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.0	114.0
141	37.1	30.1	45.1

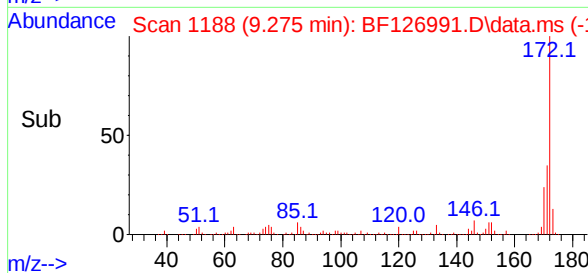
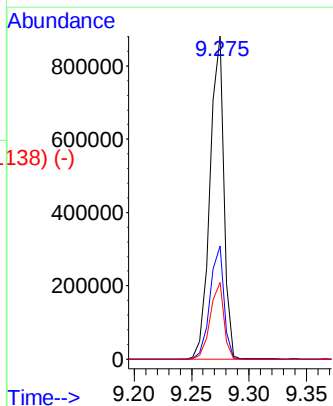
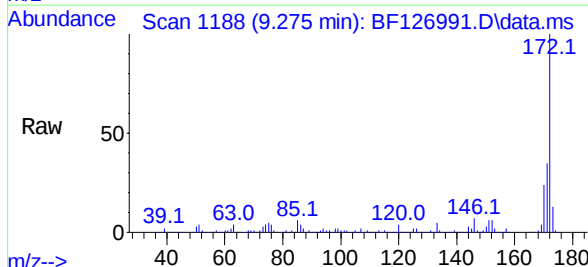


Abundance Scan 1191 (9.292 min): BF126908.D\data.ms (-1191) (-)

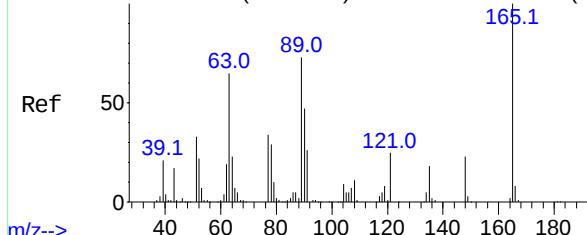


2-Fluorobiphenyl
Concen: 60.144 ng
RT: 9.275 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF126991.D
Acq: 21 Feb 2022 23:37

Tgt Ion:	172	Resp:	746301
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.7	19.0	28.6



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



2,6-Dinitrotoluene

Concen: 8.877 ng

RT: 9.957 min Scan# 1304

Delta R.T. 0.212 min

Lab File: BF126991.D

Acq: 21 Feb 2022 23:37

Instrument :

BNA_F

ClientSampleId :

20220077B-BERKELEY-4B-COMP

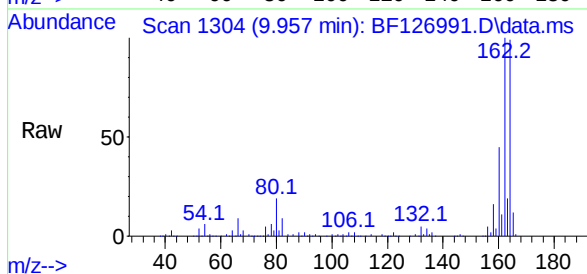
Tgt Ion:165 Resp: 23583

Ion Ratio Lower Upper

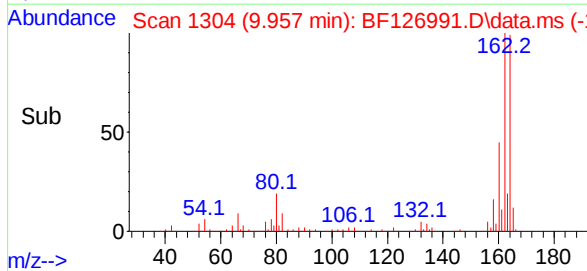
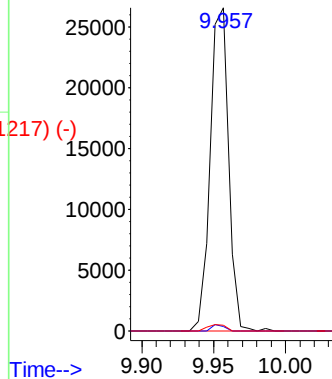
165 100

63 1.3 48.4 72.6#

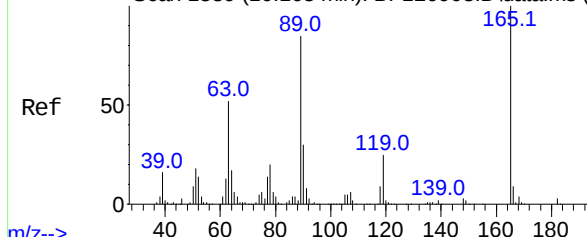
89 1.7 50.5 75.7#



Abundance



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



2,4-Dinitrotoluene

Concen: 6.566 ng

RT: 9.957 min Scan# 1304

Delta R.T. -0.194 min

Lab File: BF126991.D

Acq: 21 Feb 2022 23:37

Tgt Ion:165 Resp: 23583

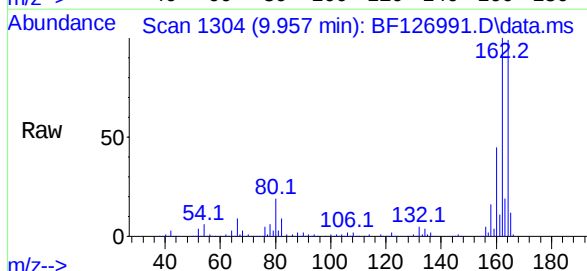
Ion Ratio Lower Upper

165 100

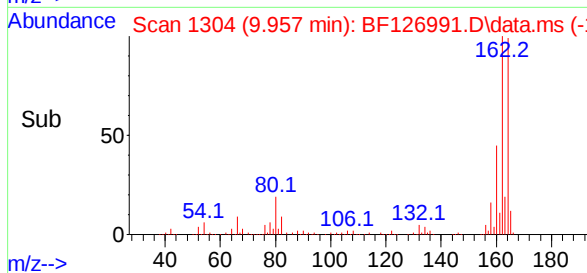
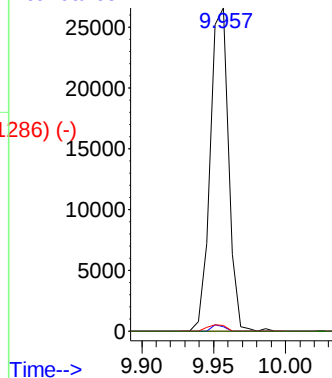
63 1.3 43.0 64.6#

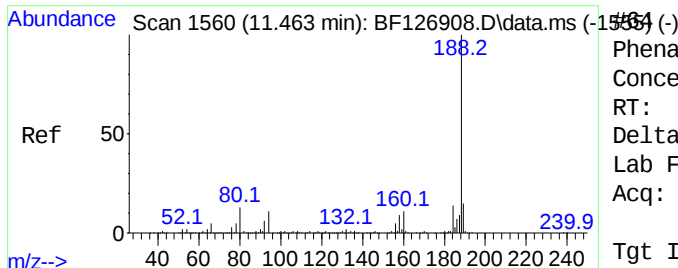
89 1.7 71.0 106.4#

182 0.0 1.6 2.4#



Abundance

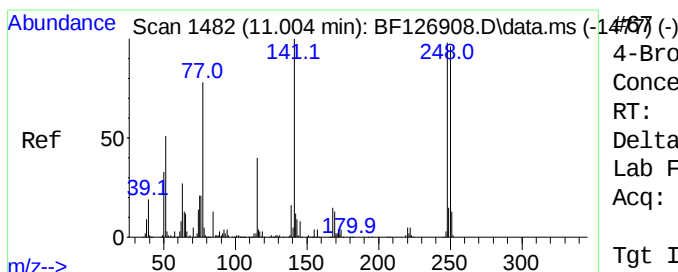
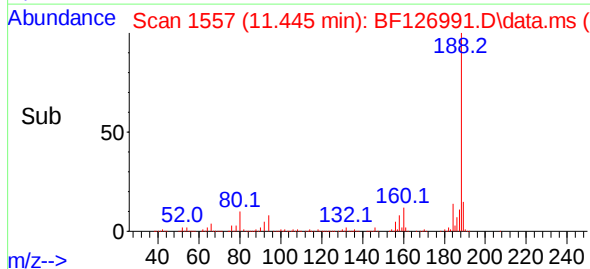
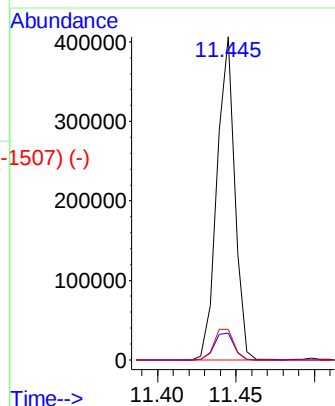
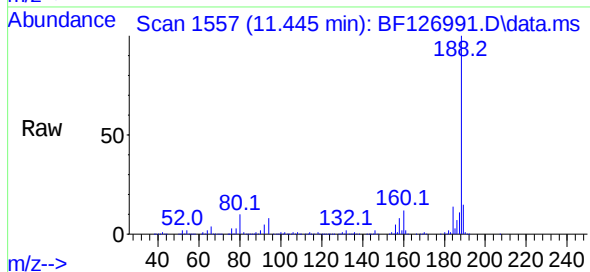




Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.445 min Scan# 1560
 Delta R.T. -0.006 min
 Lab File: BF126991.D
 Acq: 21 Feb 2022 23:37

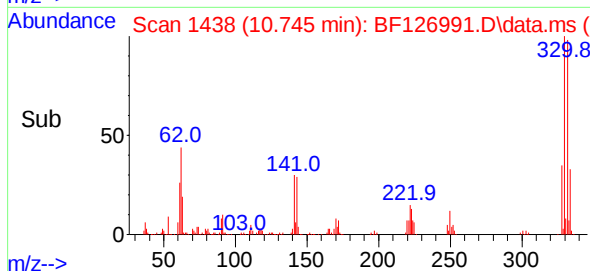
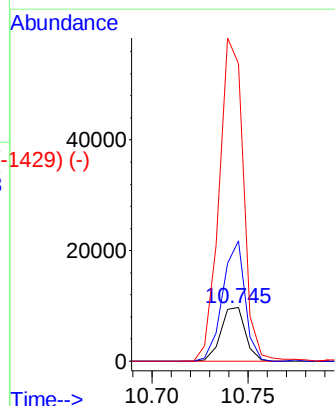
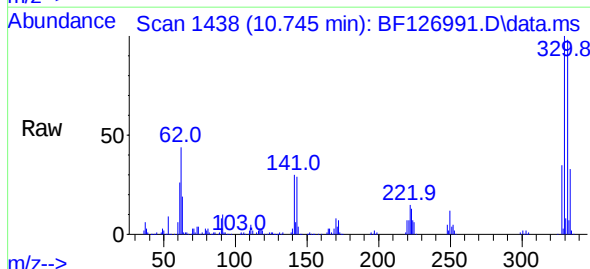
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Tgt Ion:	188	Resp:	322236
Ion	Ratio	Lower	Upper
188	100		
94	8.4	10.1	15.1#
80	9.6	11.8	17.6#

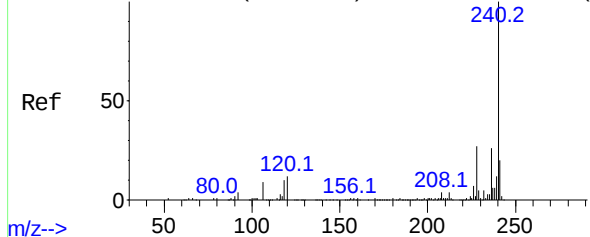


4-Bromophenyl-phenylether
 Concen: 2.393 ng
 RT: 10.745 min Scan# 1438
 Delta R.T. -0.247 min
 Lab File: BF126991.D
 Acq: 21 Feb 2022 23:37

Tgt Ion:	248	Resp:	8614
Ion	Ratio	Lower	Upper
248	100		
250	223.9	76.2	114.4#
141	554.6	66.2	99.4#



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: BF126991.D

Acq: 21 Feb 2022 23:37

Instrument :

BNA_F

ClientSampleId :

20220077B-BERKELEY-4B-COMP

Tgt Ion:240 Resp: 143200

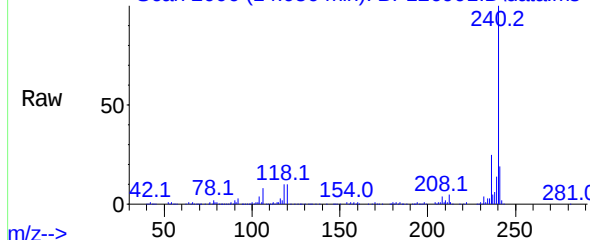
Ion Ratio Lower Upper

240 100

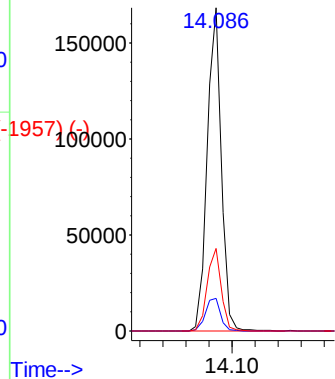
120 10.1 14.4 21.6#

236 25.5 20.5 30.7

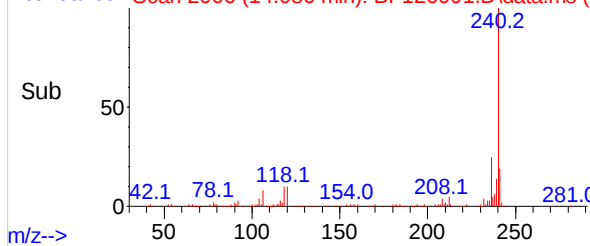
Abundance Scan 2006 (14.086 min): BF126991.D\data.ms



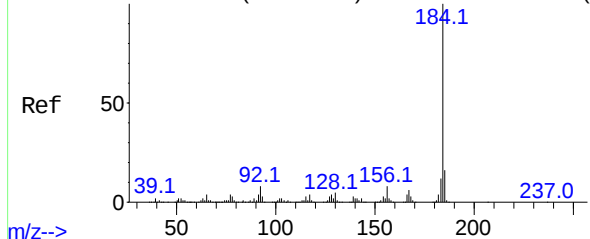
Abundance



Abundance Scan 2006 (14.086 min): BF126991.D\data.ms (-1957)



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



Benzidine

Concen: 2.640 ng

RT: 13.027 min Scan# 1826

Delta R.T. 0.241 min

Lab File: BF126991.D

Acq: 21 Feb 2022 23:37

Tgt Ion:184 Resp: 10274

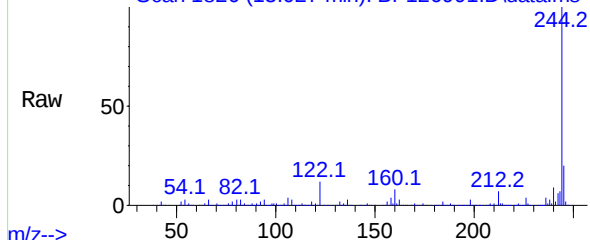
Ion Ratio Lower Upper

184 100

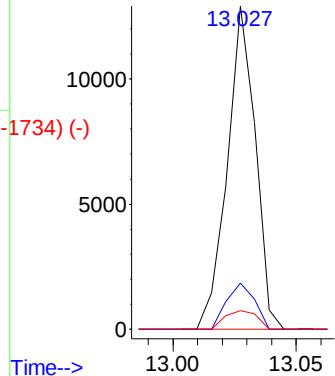
185 14.3 11.8 17.8

183 5.8 8.2 12.2#

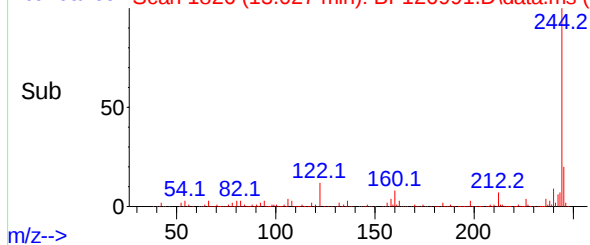
Abundance Scan 1826 (13.027 min): BF126991.D\data.ms



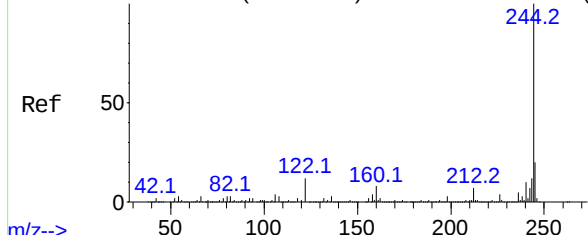
Abundance



Abundance Scan 1826 (13.027 min): BF126991.D\data.ms (-1734)



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



Terphenyl-d14

Concen: 71.600 ng

RT: 13.027 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF126991.D

Acq: 21 Feb 2022 23:37

Instrument :

BNA_F

ClientSampleId :

20220077B-BERKELEY-4B-COMP

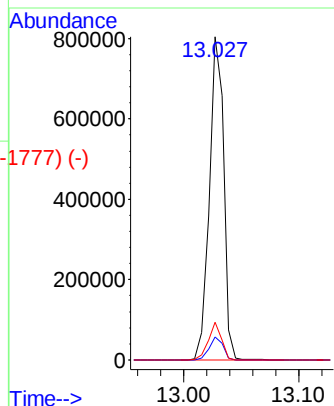
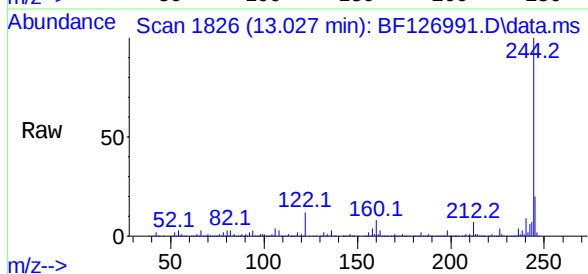
Tgt Ion:244 Resp: 697470

Ion Ratio Lower Upper

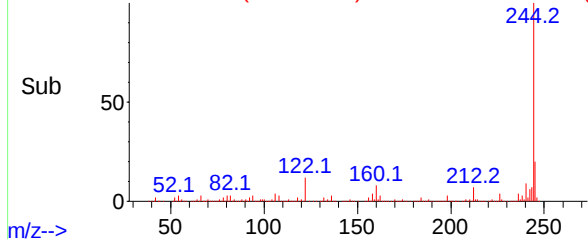
244 100

212 7.1 5.0 7.4

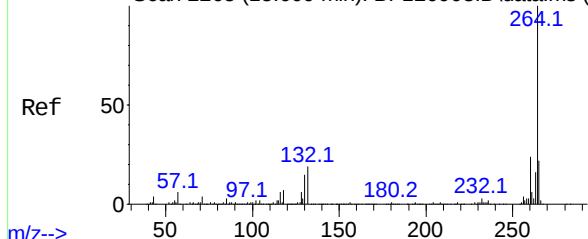
122 11.6 13.3 19.9#



Abundance Scan 1826 (13.027 min): BF126991.D\data.ms (-1777) (-)



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



Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2260

Delta R.T. -0.012 min

Lab File: BF126991.D

Acq: 21 Feb 2022 23:37

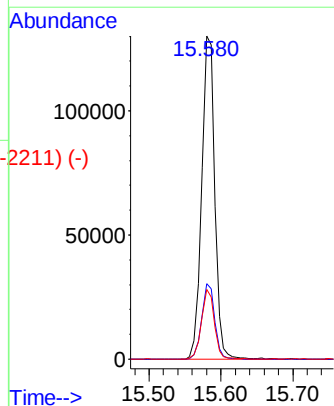
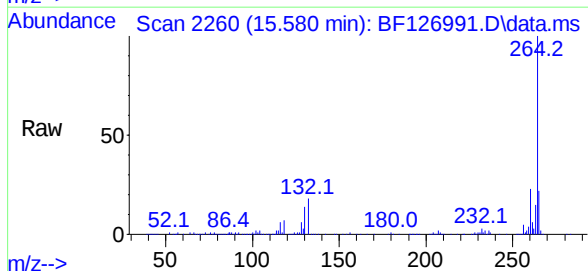
Tgt Ion:264 Resp: 163284

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.5 17.4 26.2



Abundance Scan 2260 (15.580 min): BF126991.D\data.ms (-2211) (-)

