

Data File : BF116049.D
Acq On : 7 Aug 2019 14:34
Operator : HP/JU
Sample : K4164-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200051MS

Quant Time: Aug 08 07:41:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

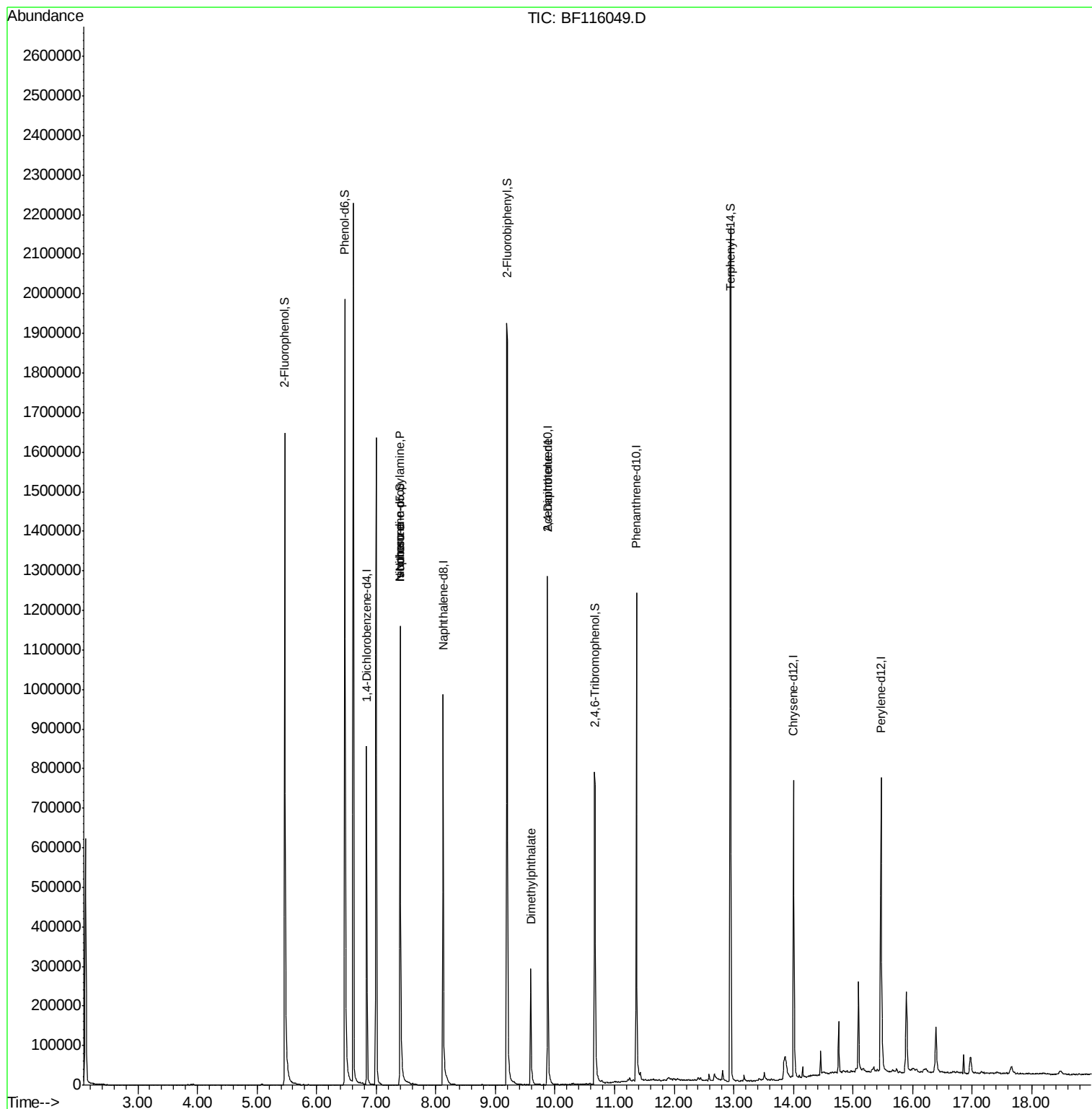
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	129329	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	521017	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	272970	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	491690	20.00	ng	0.00
76) Chrysene-d12	14.00	240	275339	20.00	ng	0.00
87) Perylene-d12	15.47	264	305720	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	567371	73.44	ng	0.00
7) Phenol-d6	6.47	99	757462	77.71	ng	-0.01
23) Nitrobenzene-d5	7.40	82	471014	52.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	127720	48.26	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	729467	50.05	ng	0.00
79) Terphenyl-d14	12.95	244	790822	60.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	60934	10.088	ng	# 81
25) Isophorone	7.40	82	471010	27.290	ng	# 65
50) Dimethylphthalate	9.59	163	159368	8.575	ng	99
57) 2,4-Dinitrotoluene	9.87	165	34879	6.486	ng	# 20

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

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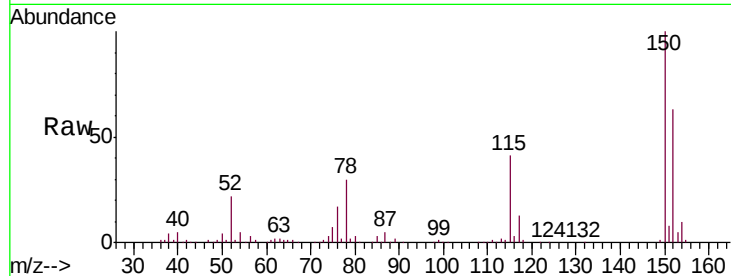


#1

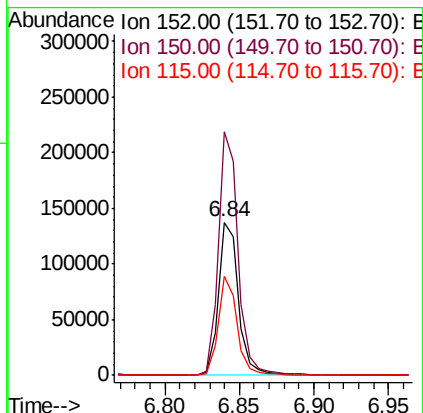
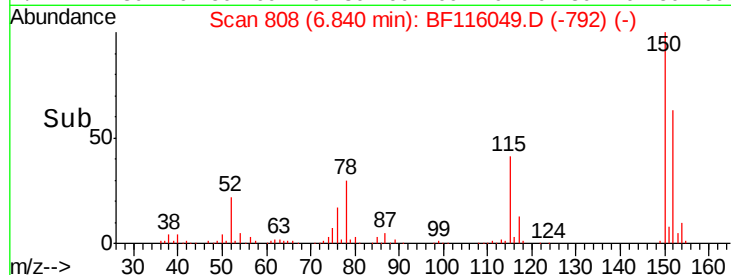
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116049.D
Acq: 7 Aug 2019 14:34

Instrument :
BNA_F
ClientSampleId :
RBR-200051MS

Tgt Ion:152 Resp: 129329
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 65.0 49.9 74.9



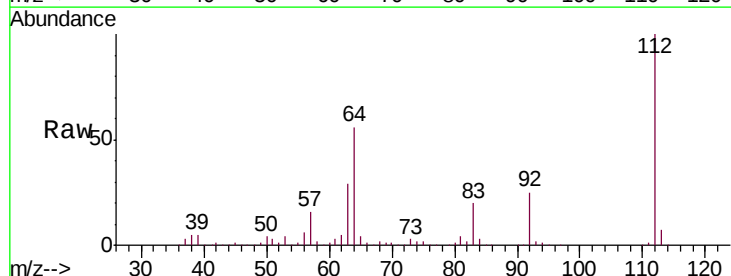
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



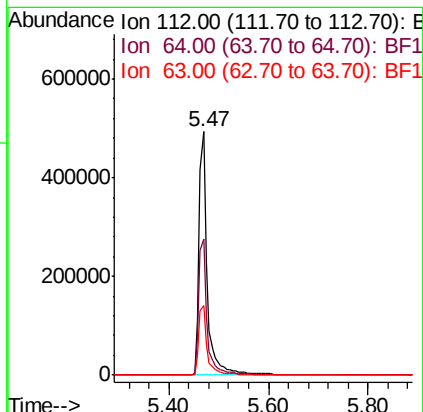
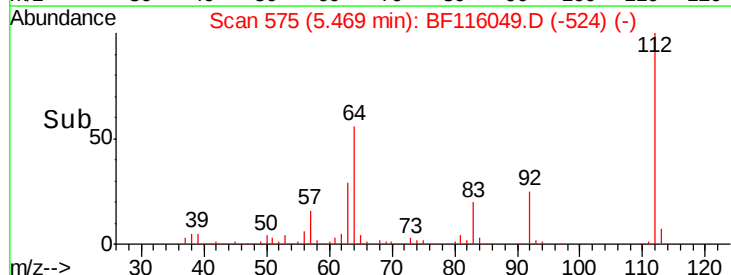
#5

2-Fluorophenol
Concen: 73.442 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF116049.D
Acq: 7 Aug 2019 14:34

Tgt Ion:112 Resp: 567371
Ion Ratio Lower Upper
112 100
64 55.9 45.4 68.2
63 28.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 77.712 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

Instrument :

BNA_F

ClientSampleId :

RBR-200051MS

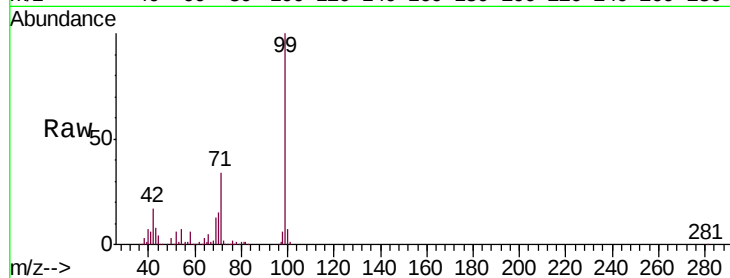
Tgt Ion: 99 Resp: 757462

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.8

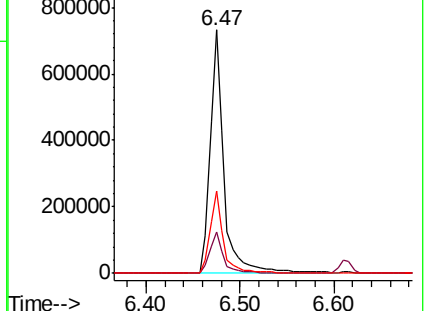
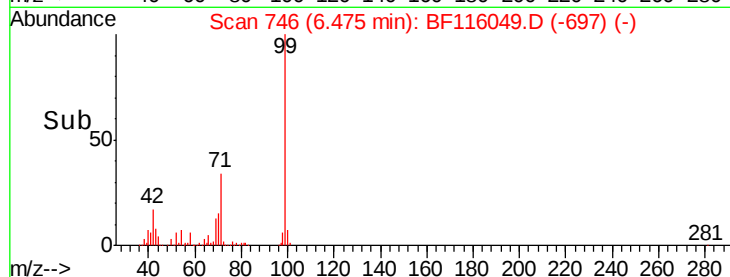
71 33.7 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.088 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

Tgt Ion: 70 Resp: 60934

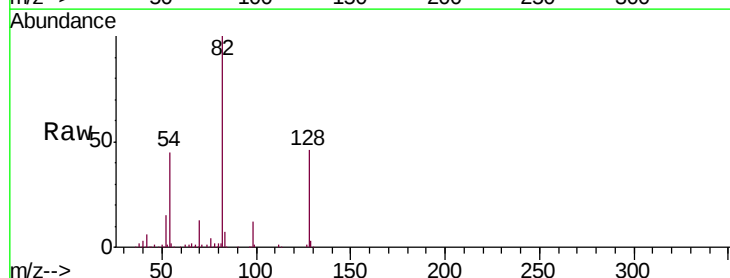
Ion Ratio Lower Upper

70 100

42 44.6 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

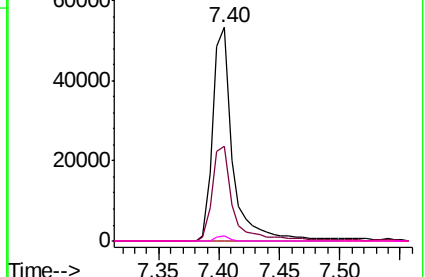
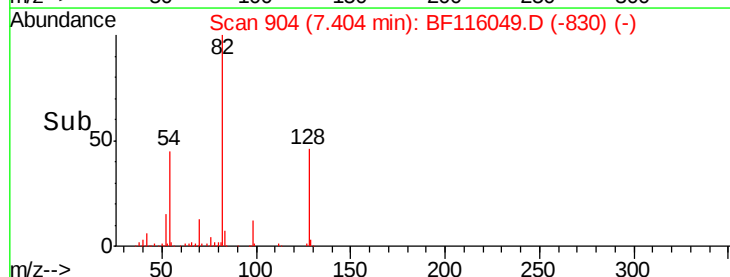


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

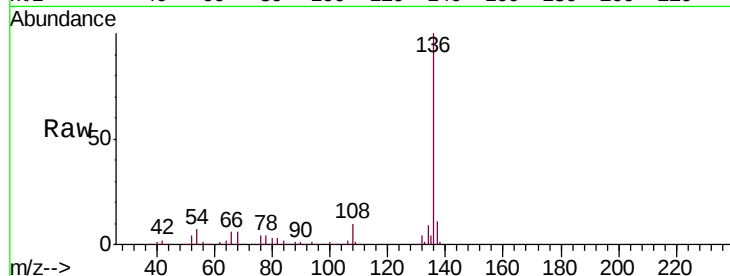




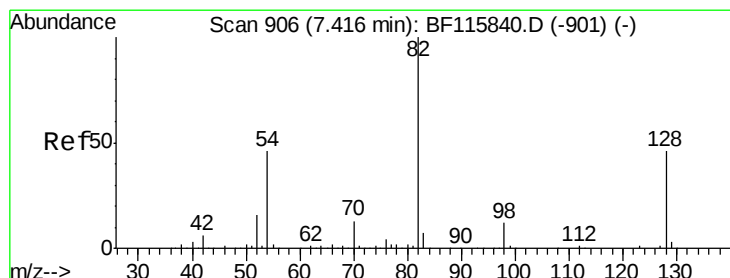
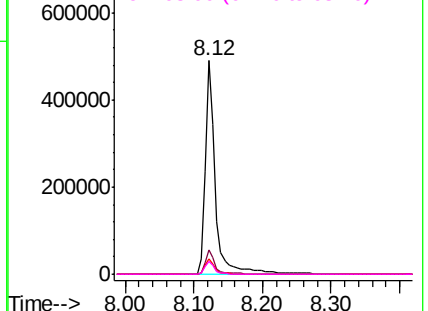
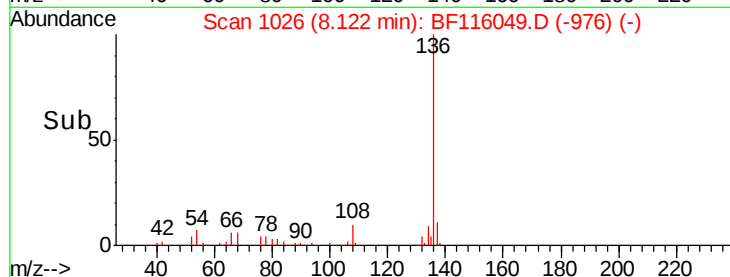
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116049.D
Acq: 7 Aug 2019 14:34

Instrument :
BNA_F
ClientSampleId :
RBR-200051MS

Tgt Ion:	136	Resp:	521017
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.1	5.8	8.6
68	6.3	5.2	7.8

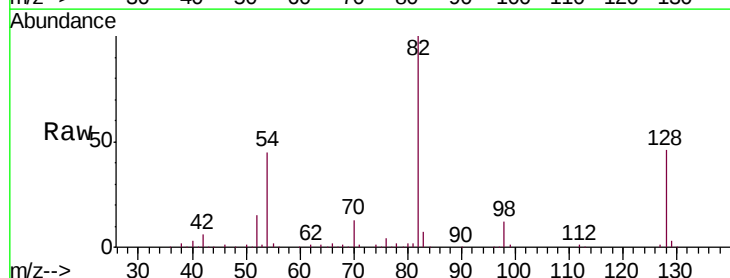


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

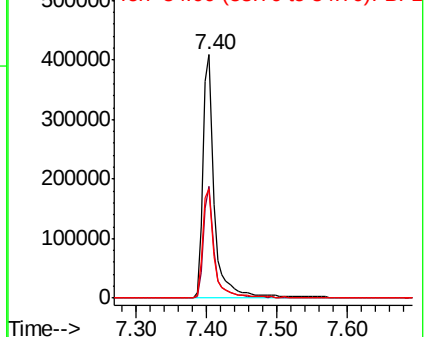
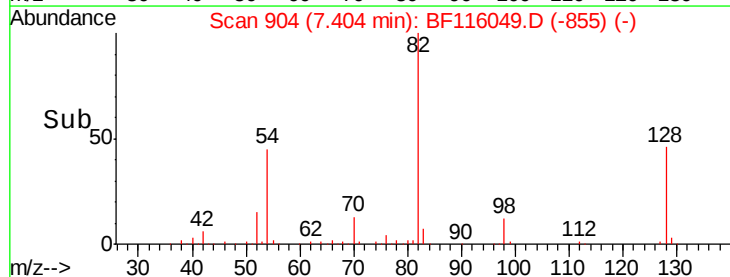


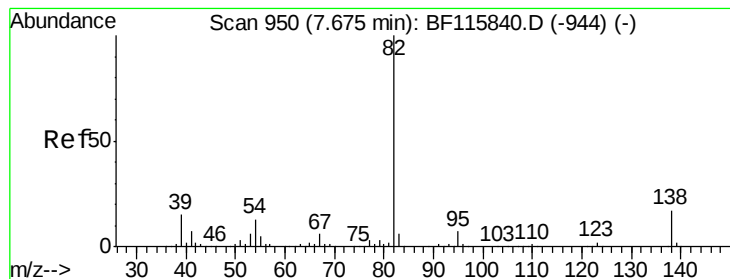
#23
Nitrobenzene-d5
Concen: 52.183 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116049.D
Acq: 7 Aug 2019 14:34

Tgt Ion:	82	Resp:	471014
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.5	54.7
54	44.7	36.0	54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 27.290 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

Instrument :

BNA_F

ClientSampleId :

RBR-200051MS

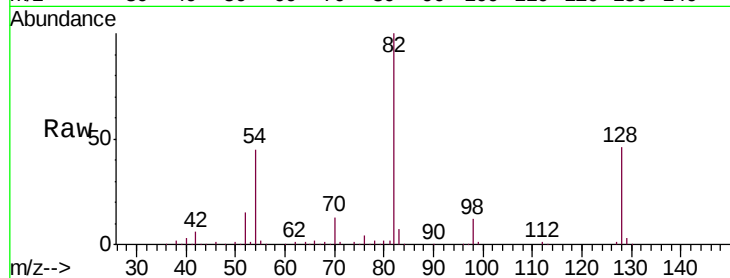
Tgt Ion: 82 Resp: 471010

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

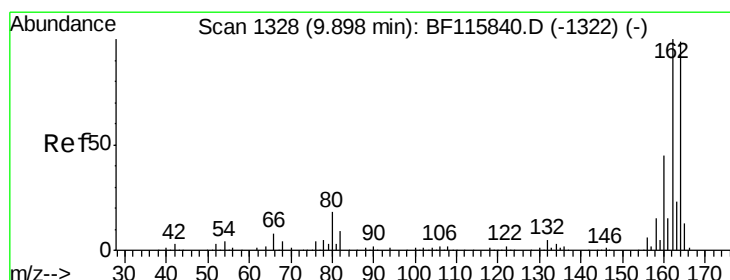
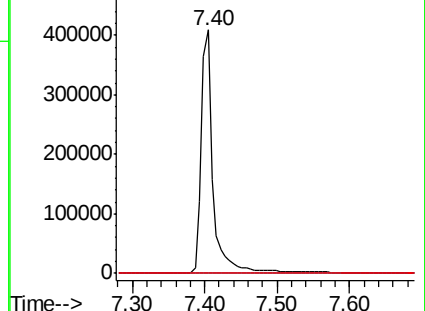
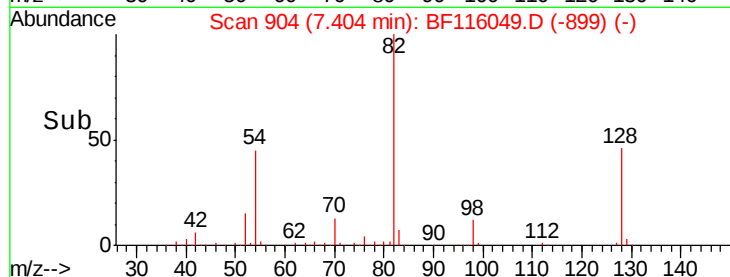
138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

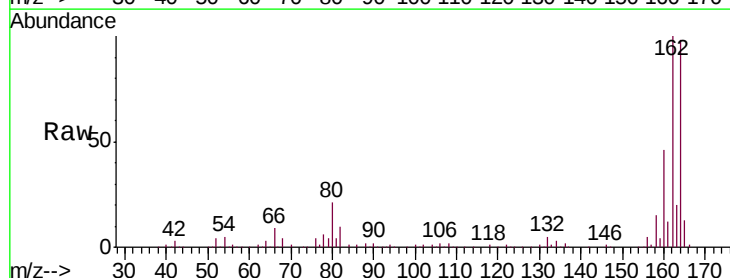
Tgt Ion: 164 Resp: 272970

Ion Ratio Lower Upper

164 100

162 101.9 82.6 124.0

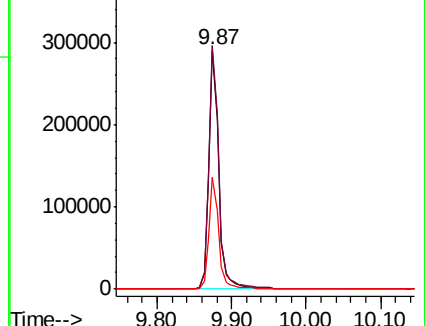
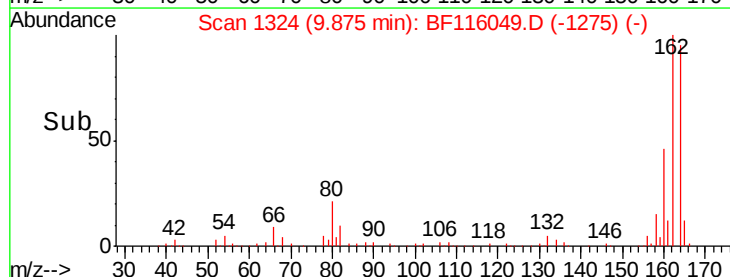
160 46.8 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

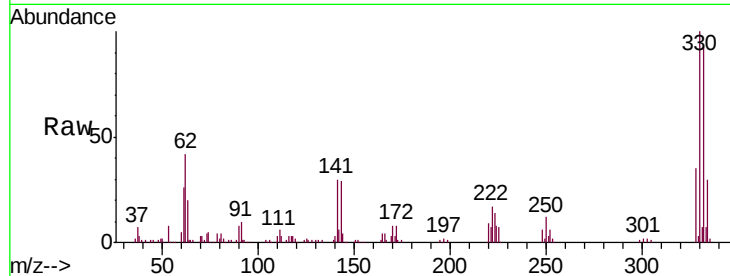




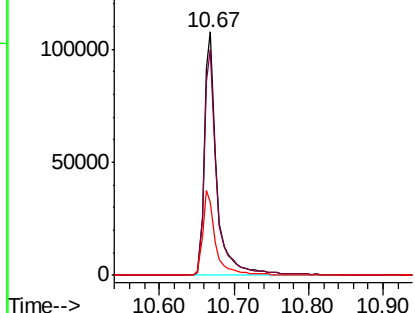
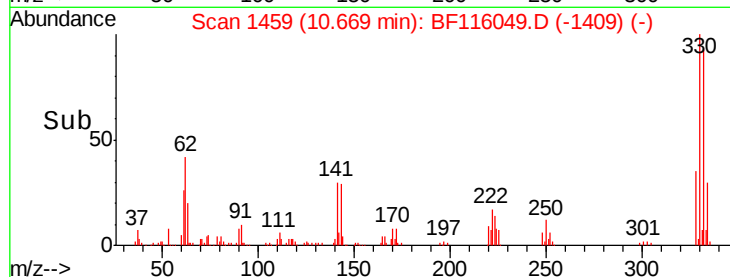
#42
 2,4,6-Tribromophenol
 Concen: 48.260 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116049.D
 Acq: 7 Aug 2019 14:34

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200051MS

Tgt Ion:330 Resp: 127720
 Ion Ratio Lower Upper
 330 100
 332 94.5 76.8 115.2
 141 35.4 26.3 39.5

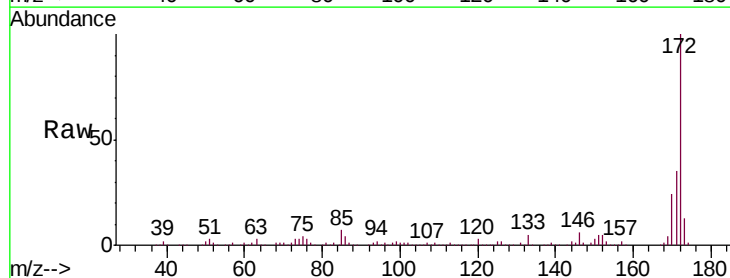


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

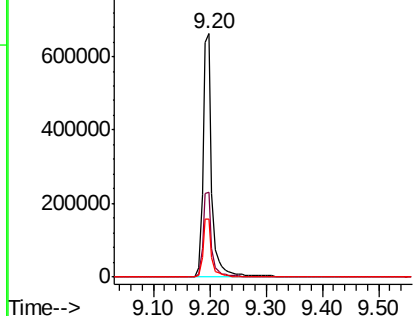
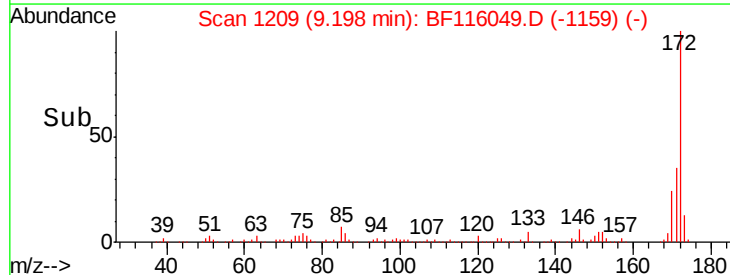


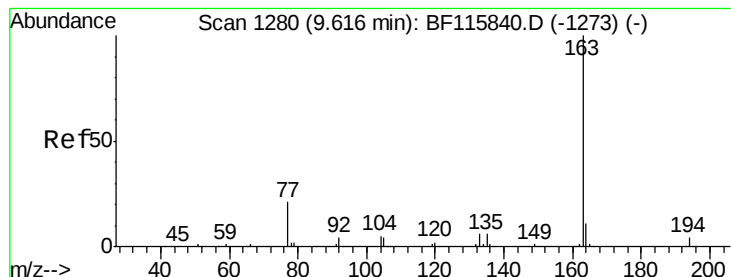
#45
 2-Fluorobiphenyl
 Concen: 50.055 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116049.D
 Acq: 7 Aug 2019 14:34

Tgt Ion:172 Resp: 729467
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.6 44.4
 170 23.9 20.1 30.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.575 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

Instrument :

BNA_F

ClientSampleId :

RBR-200051MS

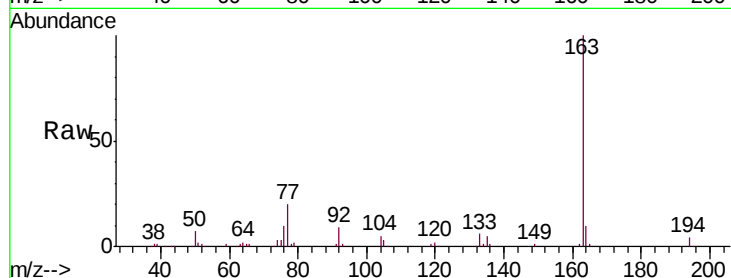
Tgt Ion:163 Resp: 159368

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

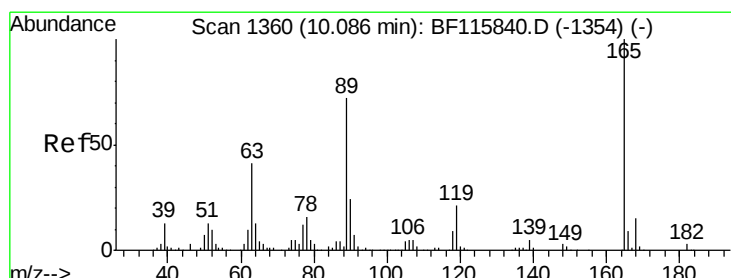
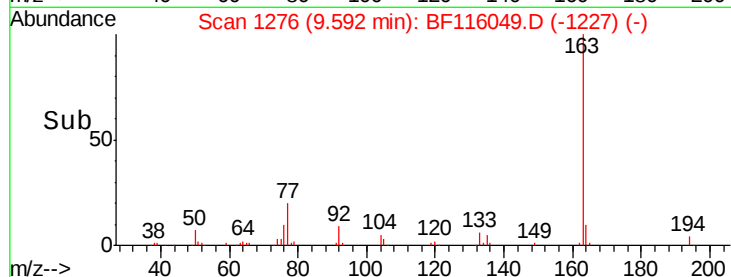
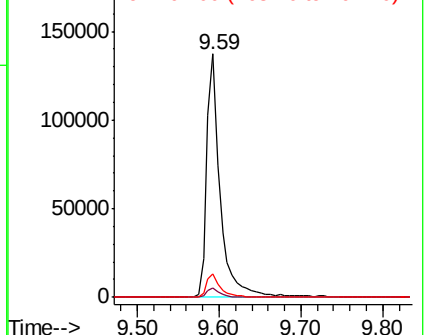
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.486 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

Tgt Ion:165 Resp: 34879

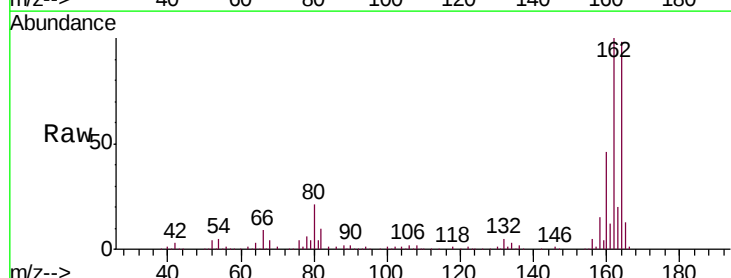
Ion Ratio Lower Upper

165 100

63 1.0 39.6 59.4#

89 1.6 62.2 93.2#

182 0.0 2.1 3.1#

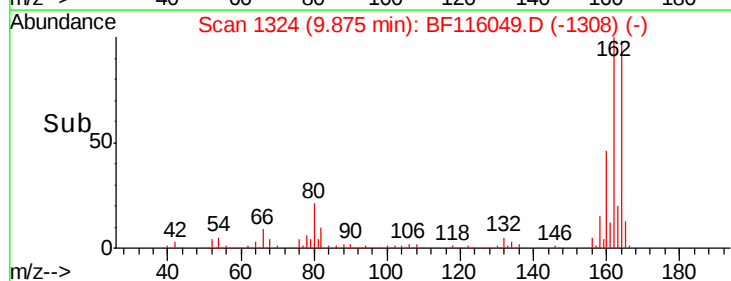
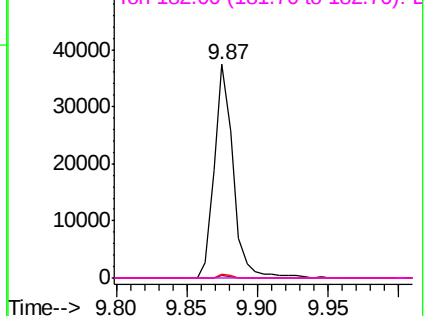


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

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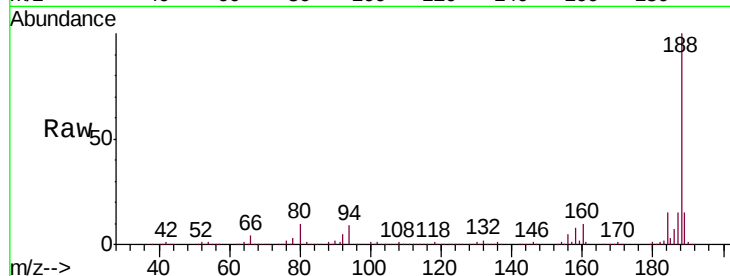
Tgt Ion:188 Resp: 491690

Ion Ratio Lower Upper

188 100

94 9.3 8.1 12.1

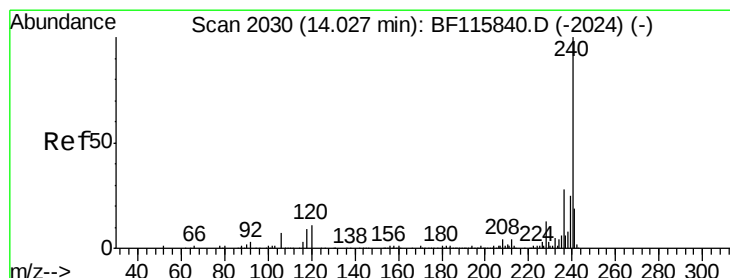
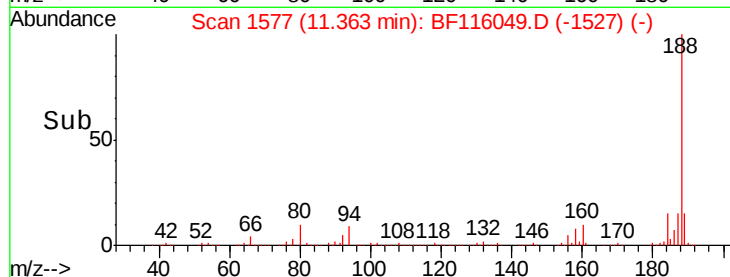
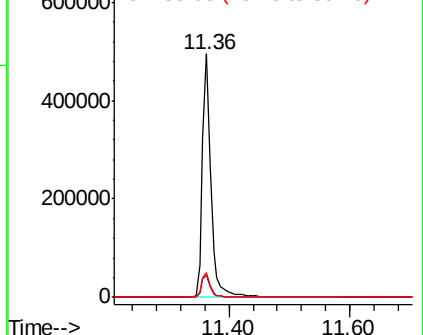
80 10.1 8.7 13.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

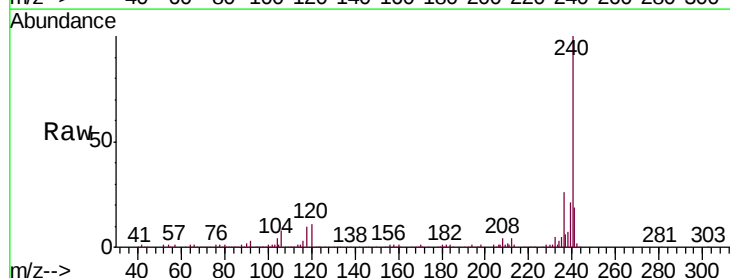
Tgt Ion:240 Resp: 275339

Ion Ratio Lower Upper

240 100

120 11.3 10.7 16.1

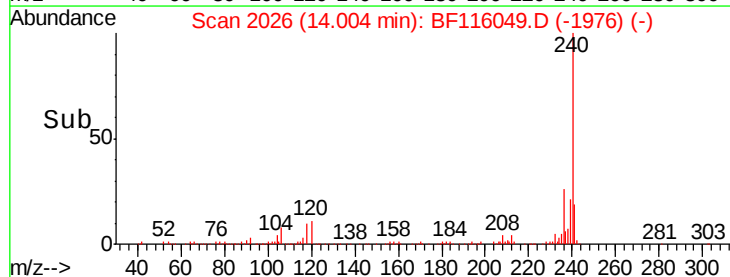
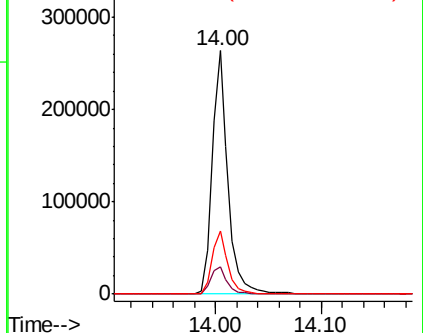
236 26.0 22.2 33.2

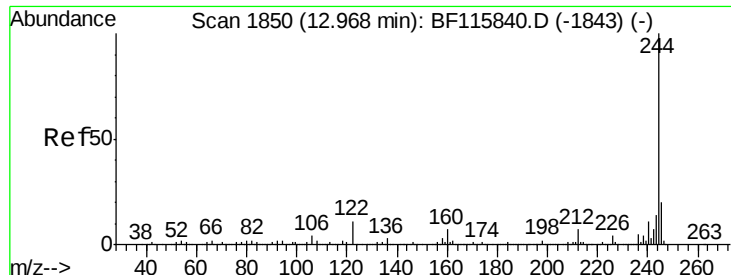


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 60.521 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

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BNA_F

ClientSampleId :

RBR-200051MS

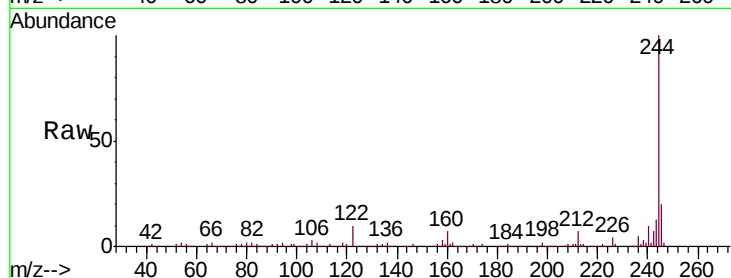
Tgt Ion:244 Resp: 790822

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

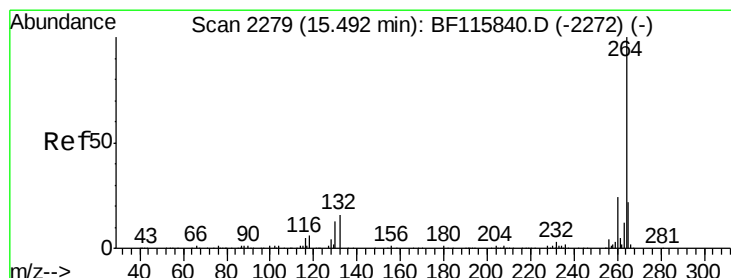
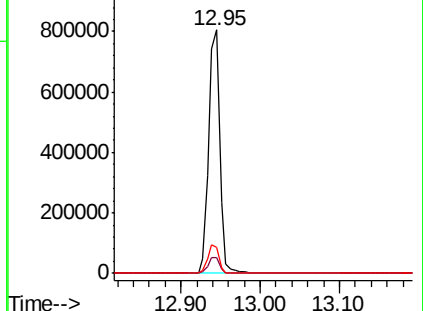
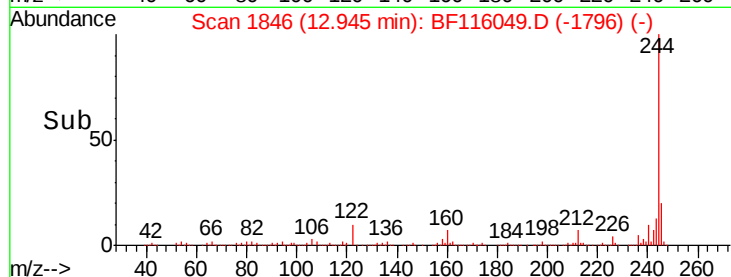
122 10.5 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116049.D

Acq: 7 Aug 2019 14:34

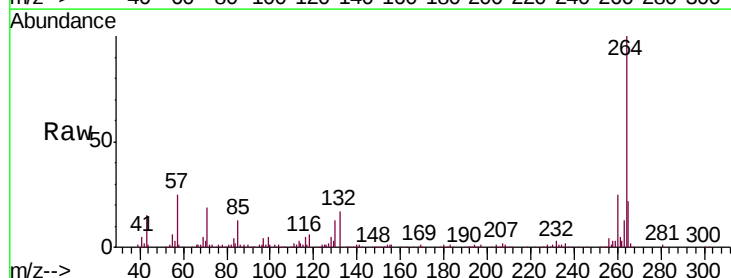
Tgt Ion:264 Resp: 305720

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

265 22.3 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

