

Data File : BF116053.D
Acq On : 7 Aug 2019 17:33
Operator : HP/JU
Sample : K4154-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
399L-241L

Quant Time: Aug 08 07:43:51 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

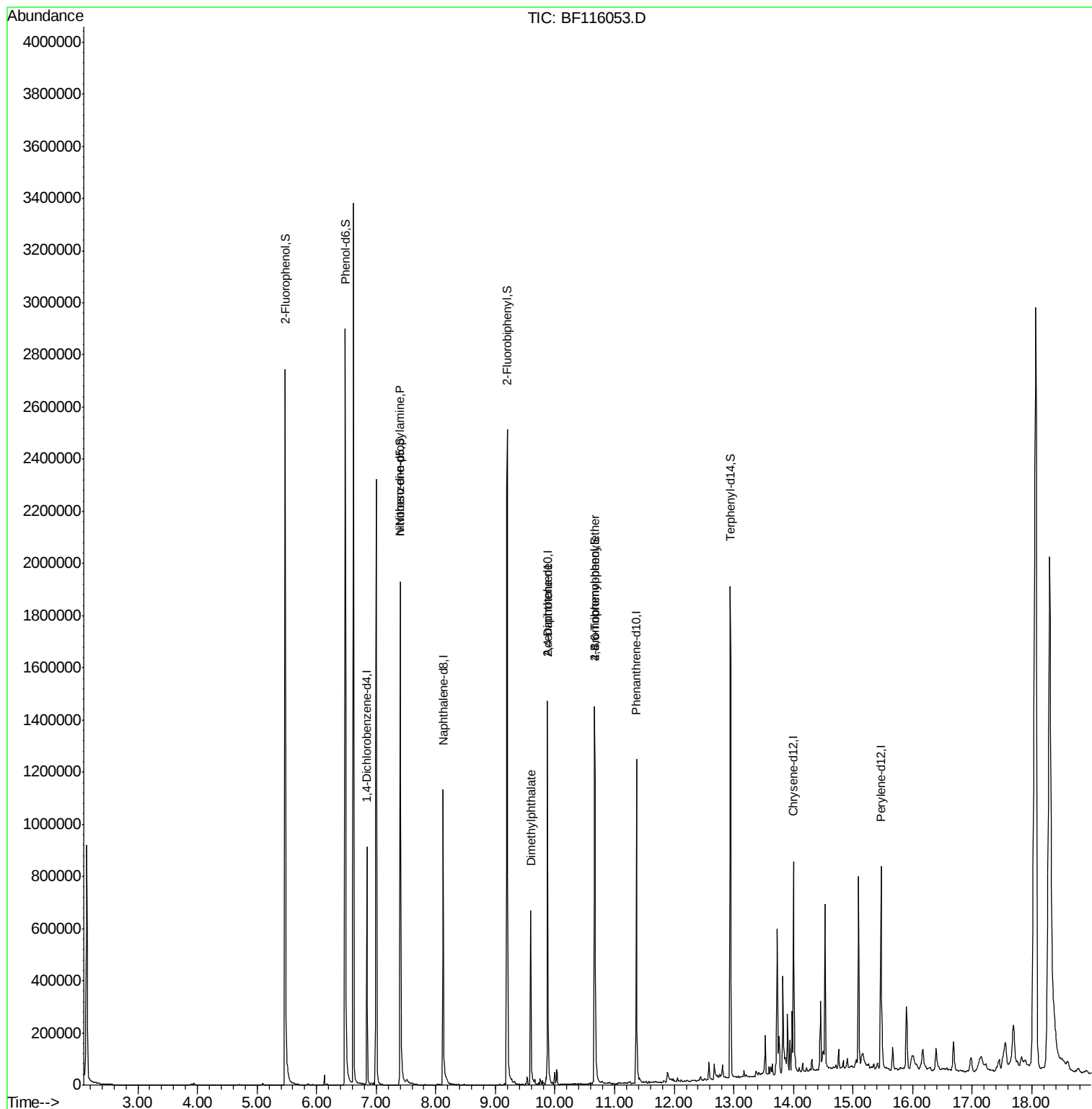
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	145806	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	575085	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	292583	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	479282	20.00	ng	0.00
76) Chrysene-d12	14.00	240	275782	20.00	ng	0.00
87) Perylene-d12	15.47	264	360715	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	903145	103.69	ng	0.00
7) Phenol-d6	6.48	99	1160577	105.61	ng	0.00
23) Nitrobenzene-d5	7.40	82	701331	70.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	209644	73.90	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	879293	56.29	ng	0.00
79) Terphenyl-d14	12.94	244	640501	48.94	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	95656	14.047	ng	# 80
50) Dimethylphthalate	9.59	163	340345	17.084	ng	# 99
57) 2,4-Dinitrotoluene	9.87	165	38032	6.598	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	12440	2.425	ng	# 1

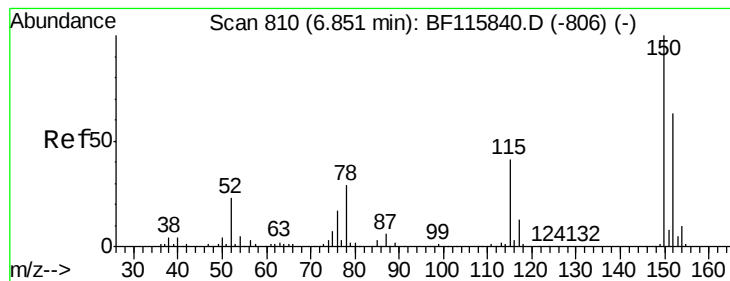
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. 0.00 min

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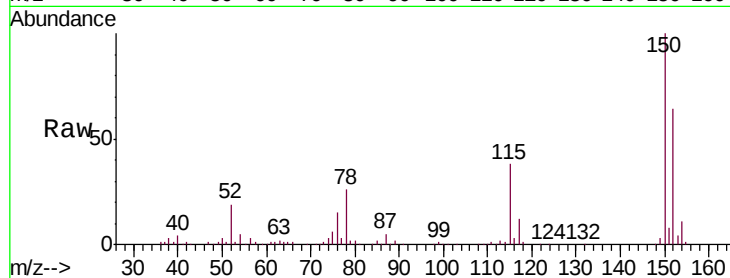
Tgt Ion:152 Resp: 145806

Ion Ratio Lower Upper

152 100

150 155.4 126.2 189.2

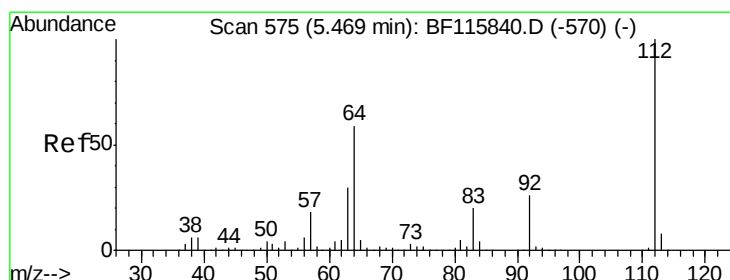
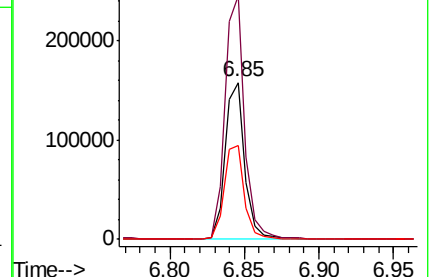
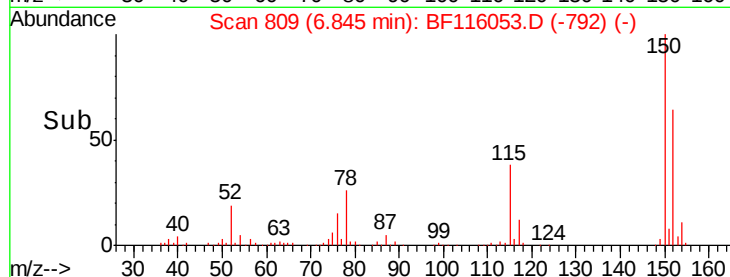
115 59.8 49.9 74.9



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: 103.694 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116053.D

Acq: 7 Aug 2019 17:33

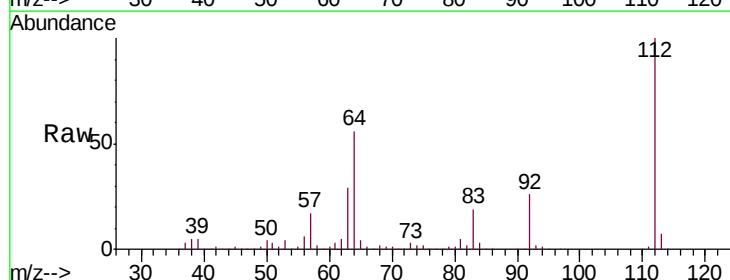
Tgt Ion:112 Resp: 903145

Ion Ratio Lower Upper

112 100

64 55.6 45.4 68.2

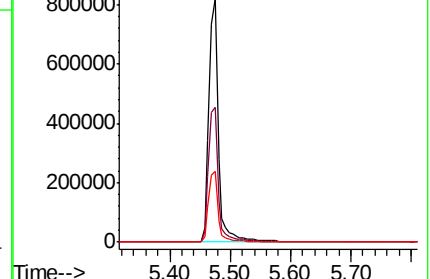
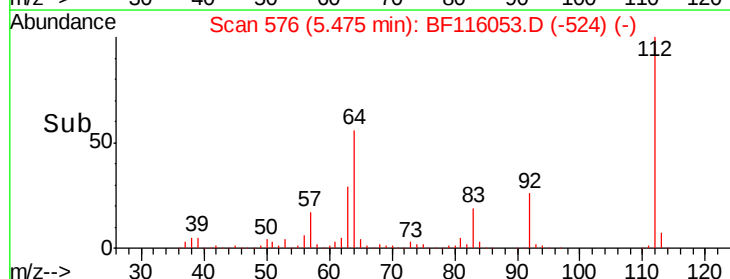
63 28.9 23.7 35.5



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: 105.614 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116053.D

Acq: 7 Aug 2019 17:33

Instrument :

BNA_F

ClientSampleId :

399L-241L

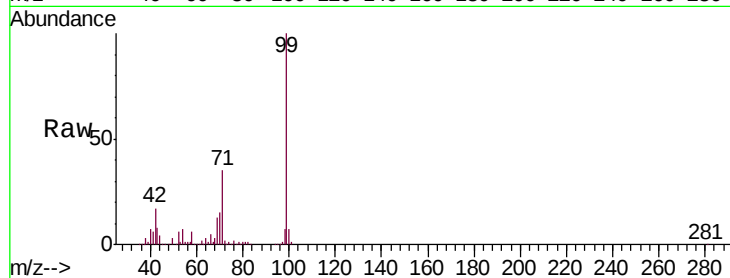
Tgt Ion: 99 Resp: 1160577

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.8

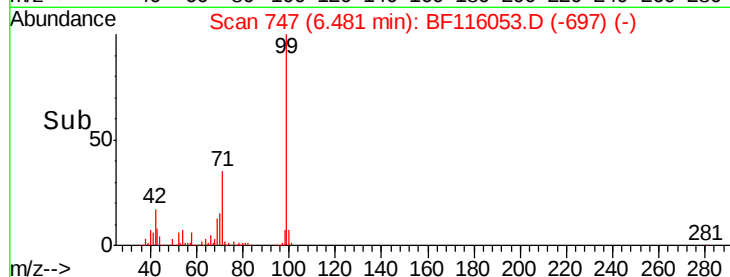
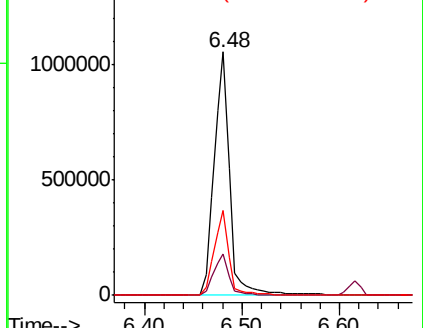
71 34.8 27.3 40.9



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: 14.047 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116053.D

Acq: 7 Aug 2019 17:33

Tgt Ion: 70 Resp: 95656

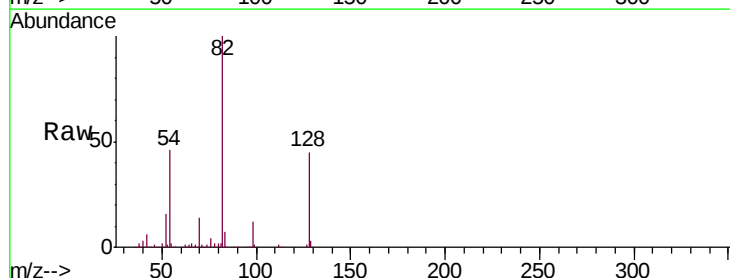
Ion Ratio Lower Upper

70 100

42 43.9 40.9 61.3

101 0.0 7.9 11.9#

130 2.3 16.9 25.3#

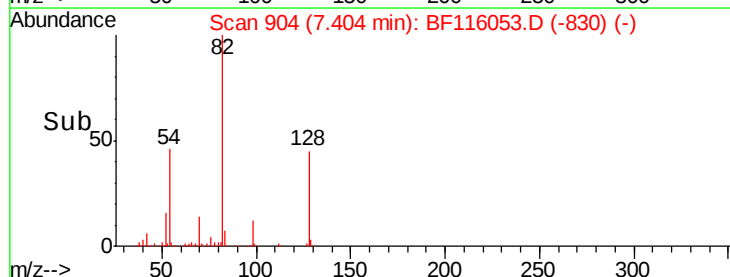
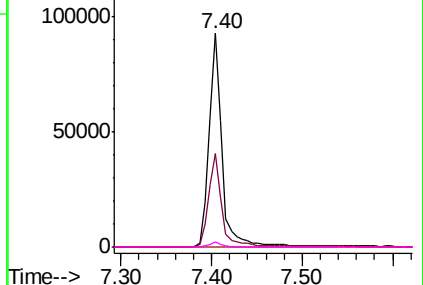


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116053.D

Acq: 7 Aug 2019 17:33

Instrument :

BNA_F

ClientSampleId :

399L-241L

Tgt Ion: 136 Resp: 575085

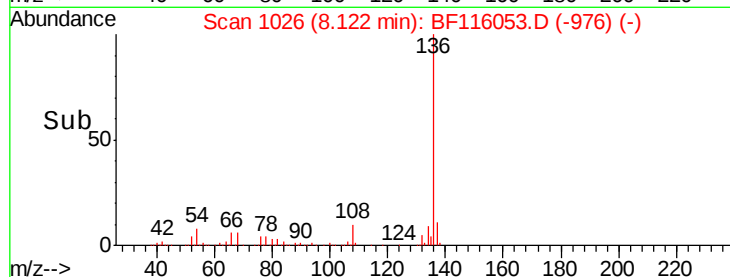
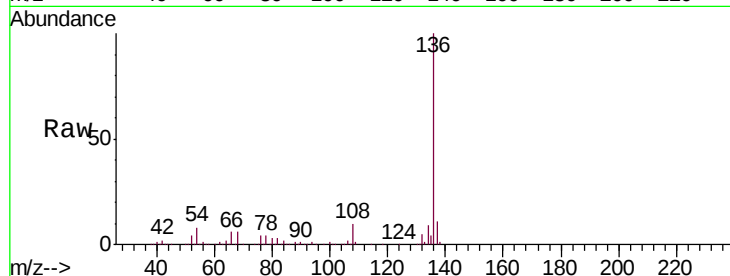
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.6 5.8 8.6

68 6.1 5.2 7.8

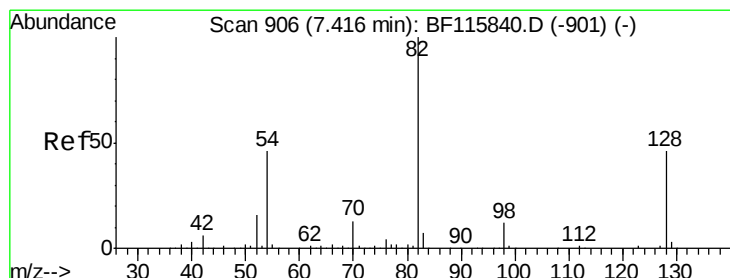
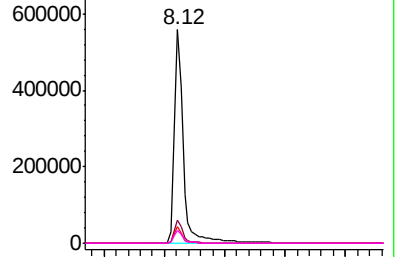


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.395 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116053.D

Acq: 7 Aug 2019 17:33

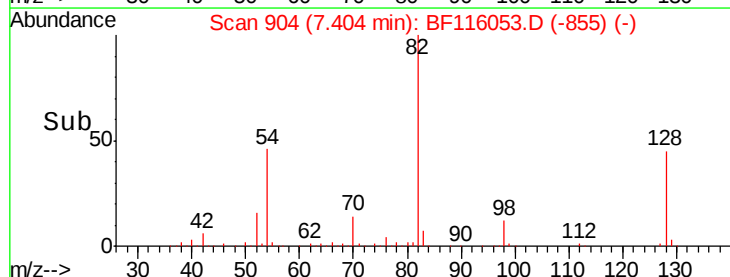
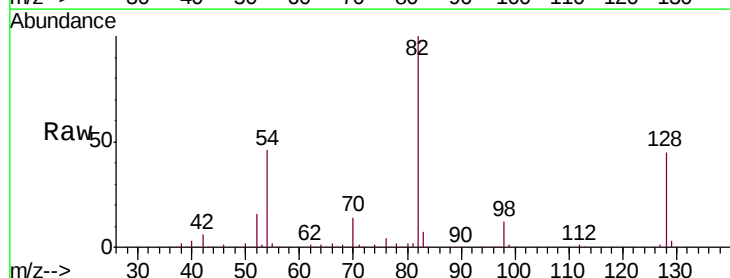
Tgt Ion: 82 Resp: 701331

Ion Ratio Lower Upper

82 100

128 45.0 36.5 54.7

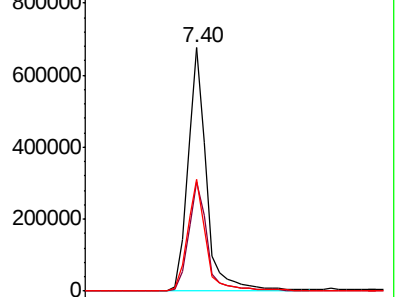
54 45.7 36.0 54.0

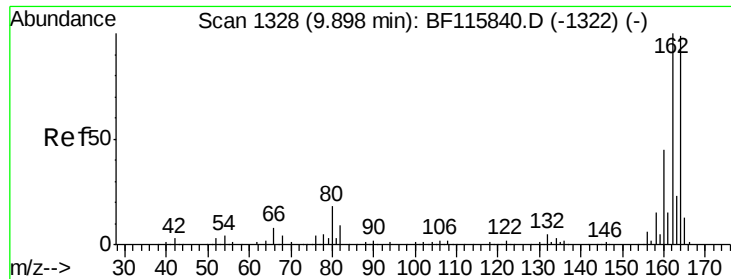


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116053.D

Acq: 7 Aug 2019 17:33

Instrument :

BNA_F

ClientSampleId :

399L-241L

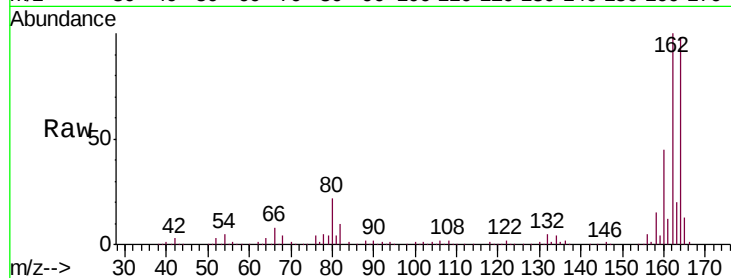
Tgt Ion:164 Resp: 292583

Ion Ratio Lower Upper

164 100

162 102.1 82.6 124.0

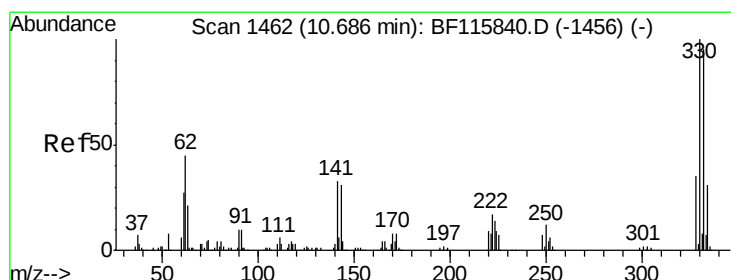
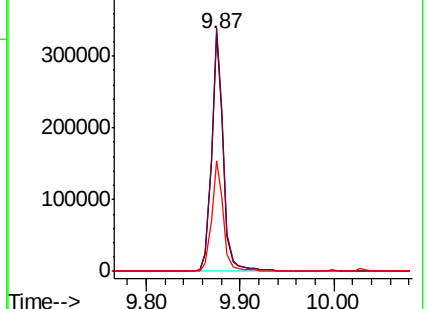
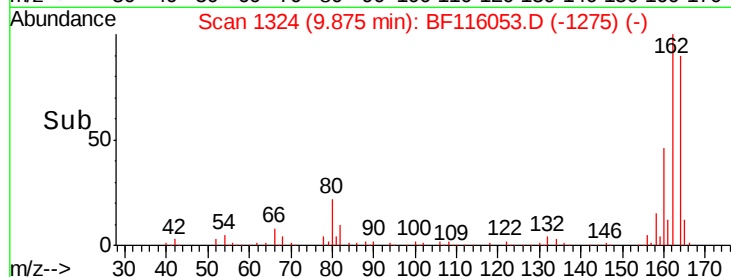
160 46.3 37.6 56.4



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: 73.905 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116053.D

Acq: 7 Aug 2019 17:33

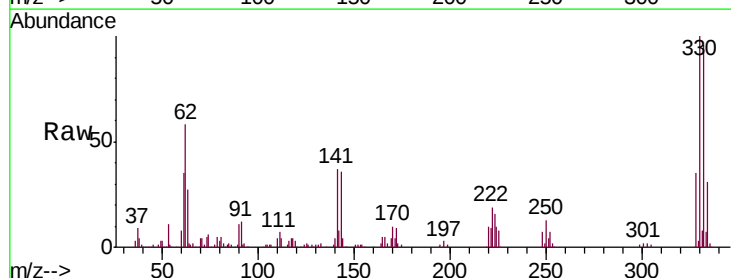
Tgt Ion:330 Resp: 209644

Ion Ratio Lower Upper

330 100

332 95.1 76.8 115.2

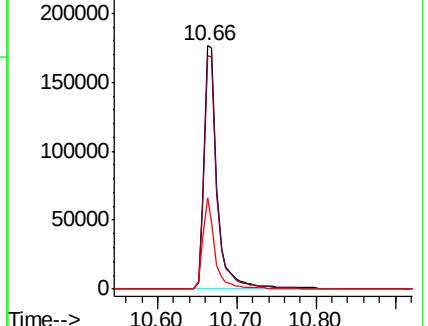
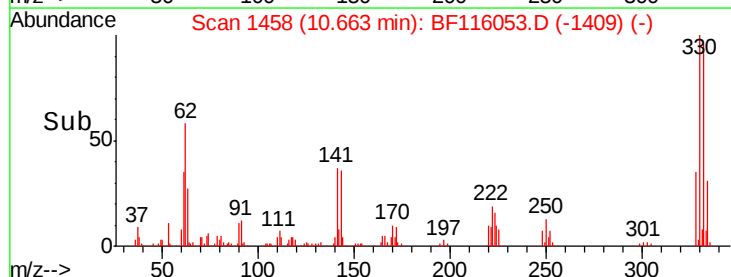
141 34.3 26.3 39.5



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

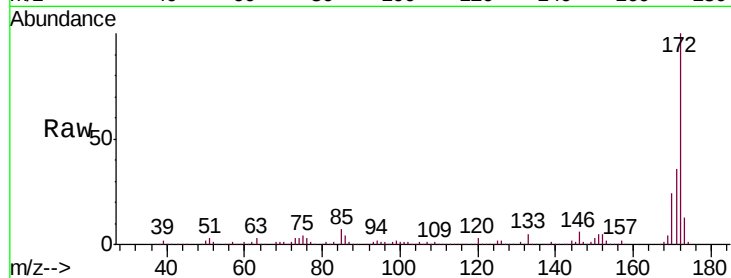




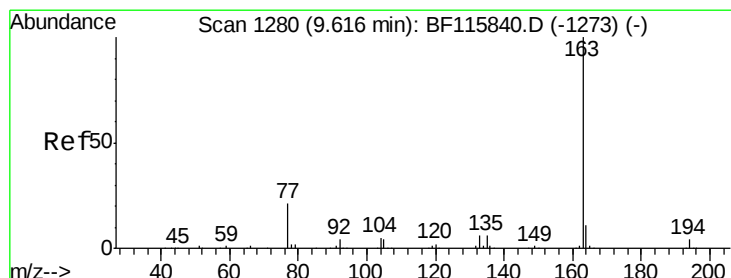
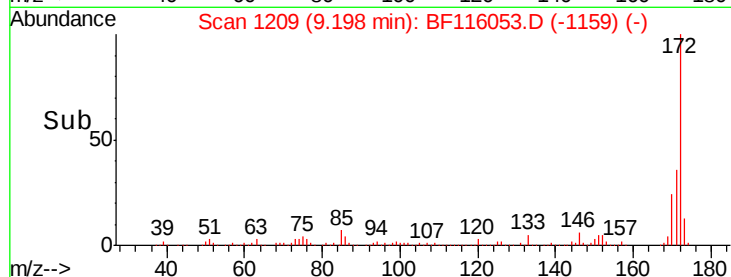
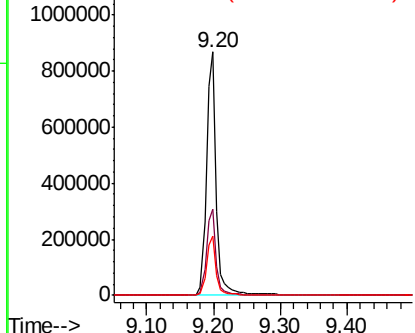
#45
 2-Fluorobiphenyl
 Concen: 56.291 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116053.D
 Acq: 7 Aug 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :
 399L-241L

Tgt Ion:172 Resp: 879293
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 24.4 20.1 30.1

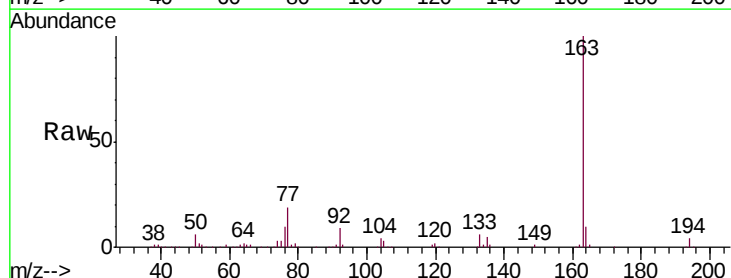


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

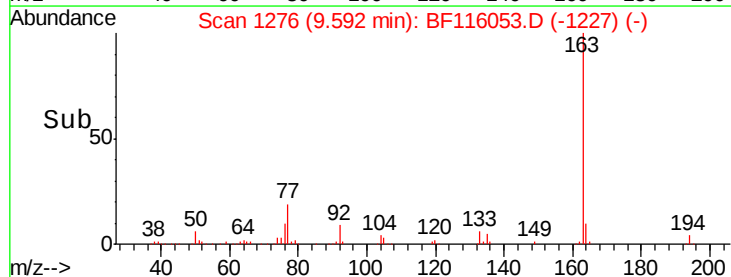
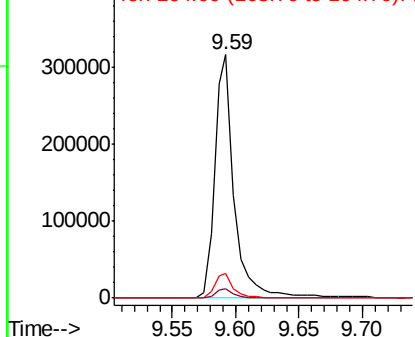


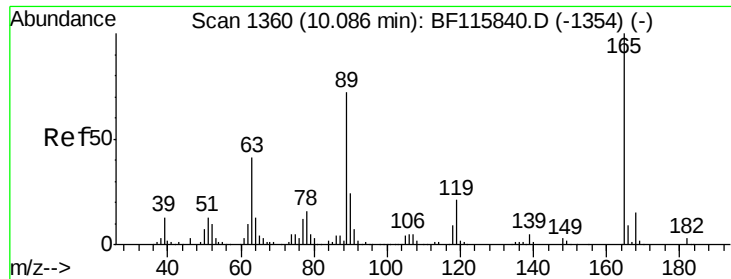
#50
 Dimethylphthalate
 Concen: 17.084 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF116053.D
 Acq: 7 Aug 2019 17:33

Tgt Ion:163 Resp: 340345
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.6
 164 10.1 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: 6.598 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF116053.D

Acq: 7 Aug 2019 17:33

Instrument :

BNA_F

ClientSampleId :

399L-241L

Tgt Ion:165 Resp: 38032

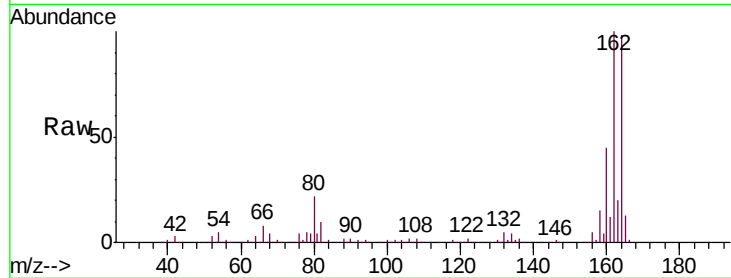
Ion Ratio Lower Upper

165 100

63 0.9 39.6 59.4#

89 1.6 62.2 93.2#

182 0.0 2.1 3.1#

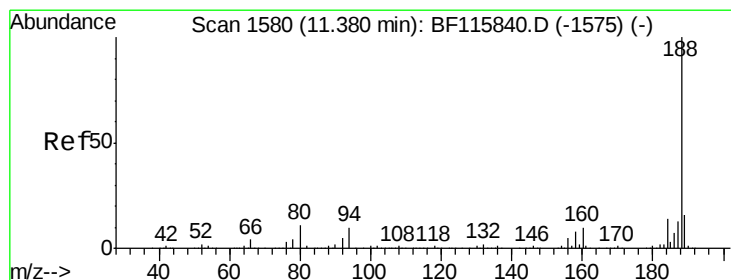
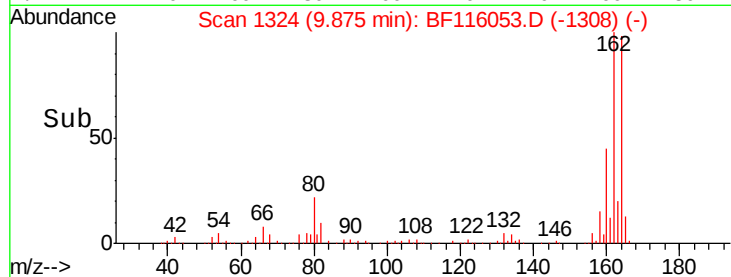
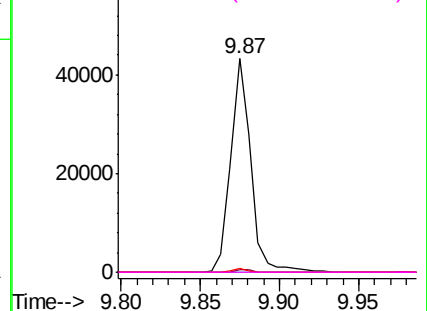


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF116053.D

Acq: 7 Aug 2019 17:33

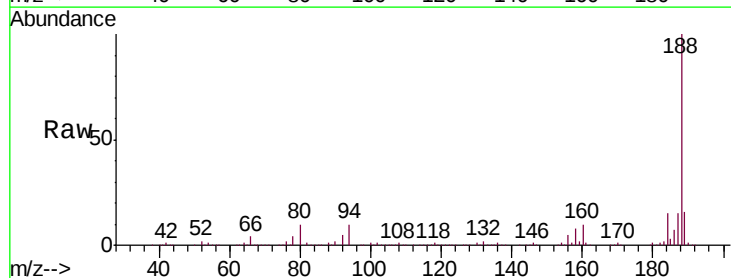
Tgt Ion:188 Resp: 479282

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

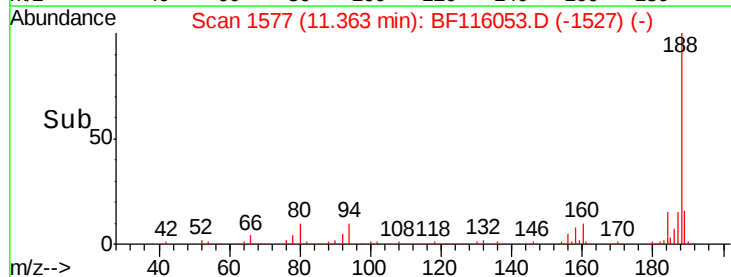
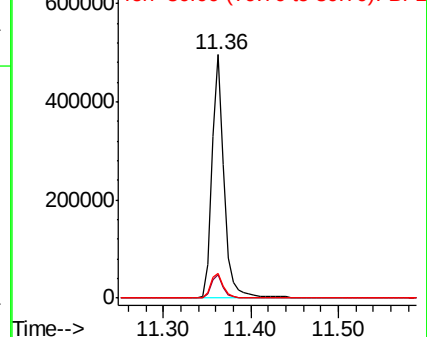
80 10.1 8.7 13.1

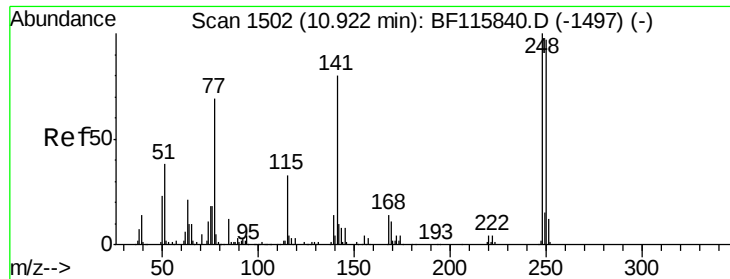


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

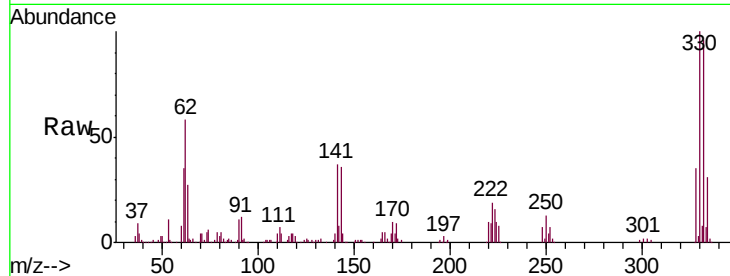




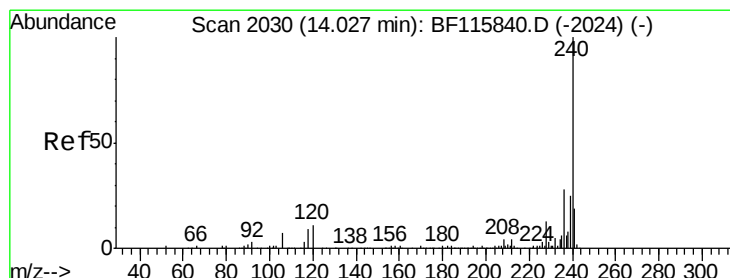
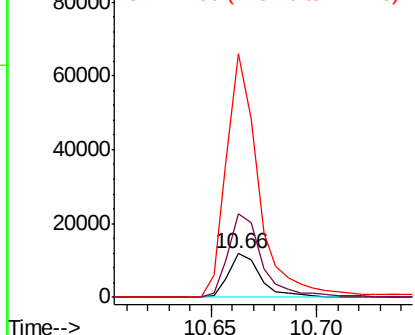
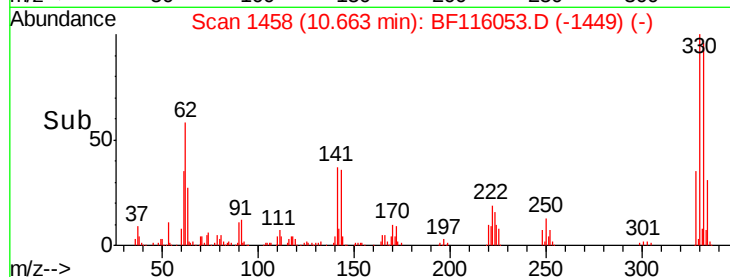
#67
4-Bromophenyl-phenylether
Concen: 2.425 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116053.D
Acq: 7 Aug 2019 17:33

Instrument :
BNA_F
ClientSampleId :
399L-241L

Tgt Ion:248 Resp: 12440
Ion Ratio Lower Upper
248 100
250 192.8 77.4 116.2#
141 558.4 56.8 85.2#

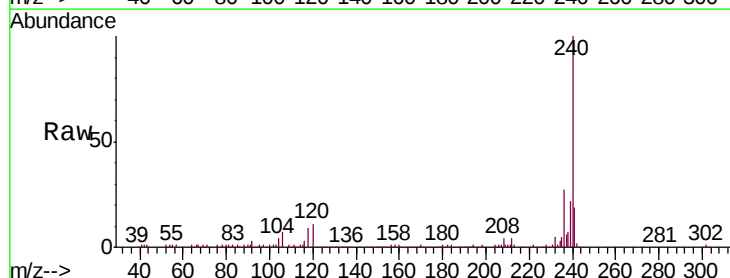


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

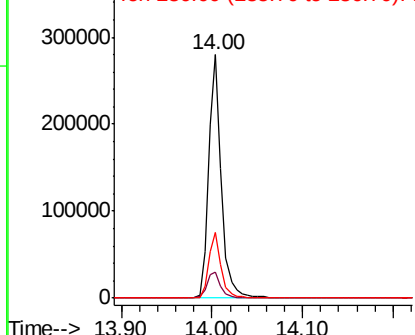
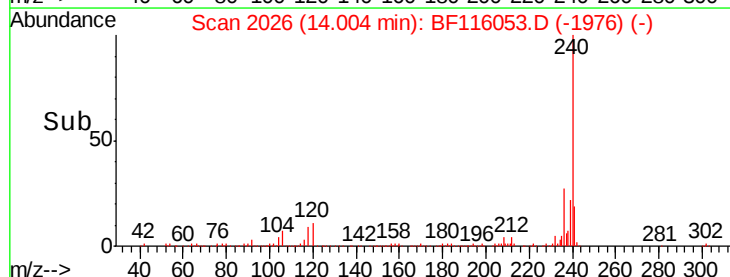


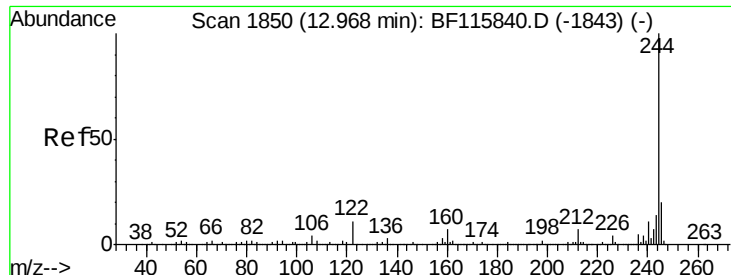
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116053.D
Acq: 7 Aug 2019 17:33

Tgt Ion:240 Resp: 275782
Ion Ratio Lower Upper
240 100
120 10.8 10.7 16.1
236 26.8 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: 48.939 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116053.D

Acq: 7 Aug 2019 17:33

Instrument :

BNA_F

ClientSampleId :

399L-241L

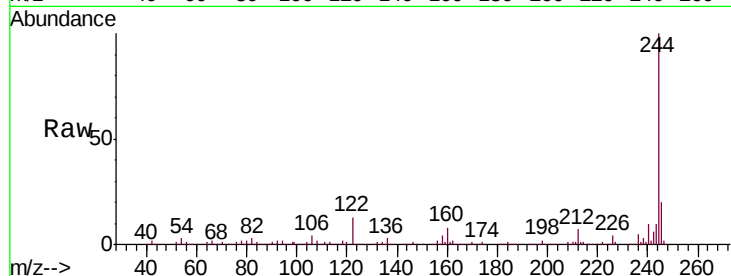
Tgt Ion:244 Resp: 640501

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

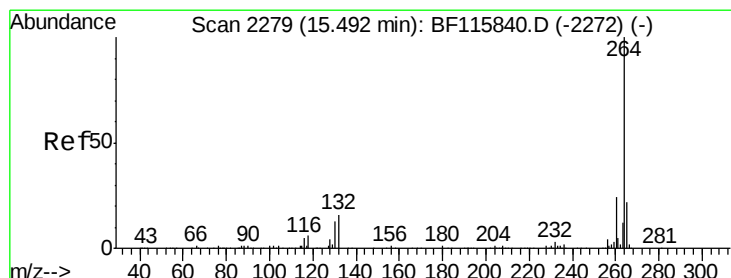
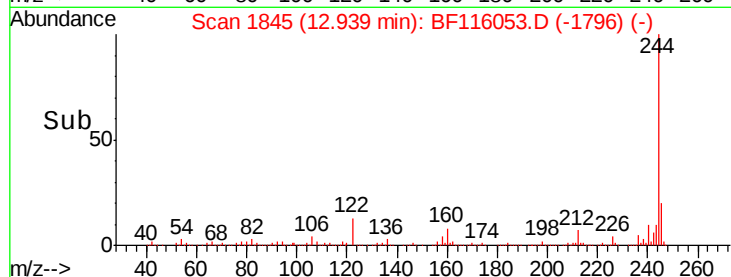
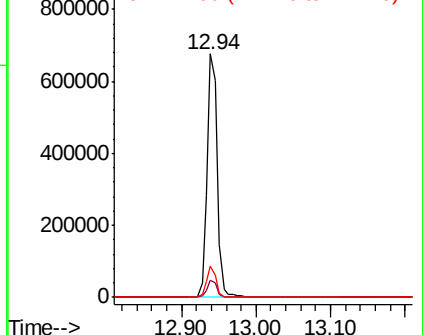
122 12.7 9.0 13.4



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: BF116053.D

Acq: 7 Aug 2019 17:33

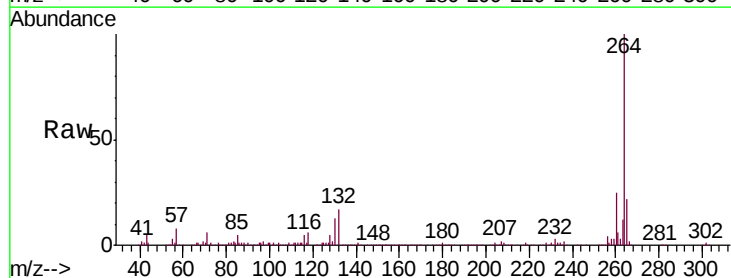
Tgt Ion:264 Resp: 360715

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

265 21.9 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

