

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111501.D
 Acq On : 16 Dec 2018 7:55
 Operator : JU/SJ
 Sample : J6440-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Dec 17 01:48:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	114320	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	398427	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	170403	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	319393	20.00	ng	0.00
76) Chrysene-d12	14.00	240	145448	20.00	ng	0.05
87) Perylene-d12	15.46	264	142286	20.00	ng	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	550305	80.10	ng	0.00
7) Phenol-d6	6.43	99	681818	74.61	ng	0.00
23) Nitrobenzene-d5	7.35	82	379054	56.65	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	114779	75.19	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	612808	55.55	ng	0.00
79) Terphenyl-d14	12.92	244	453378	73.20	ng	0.02

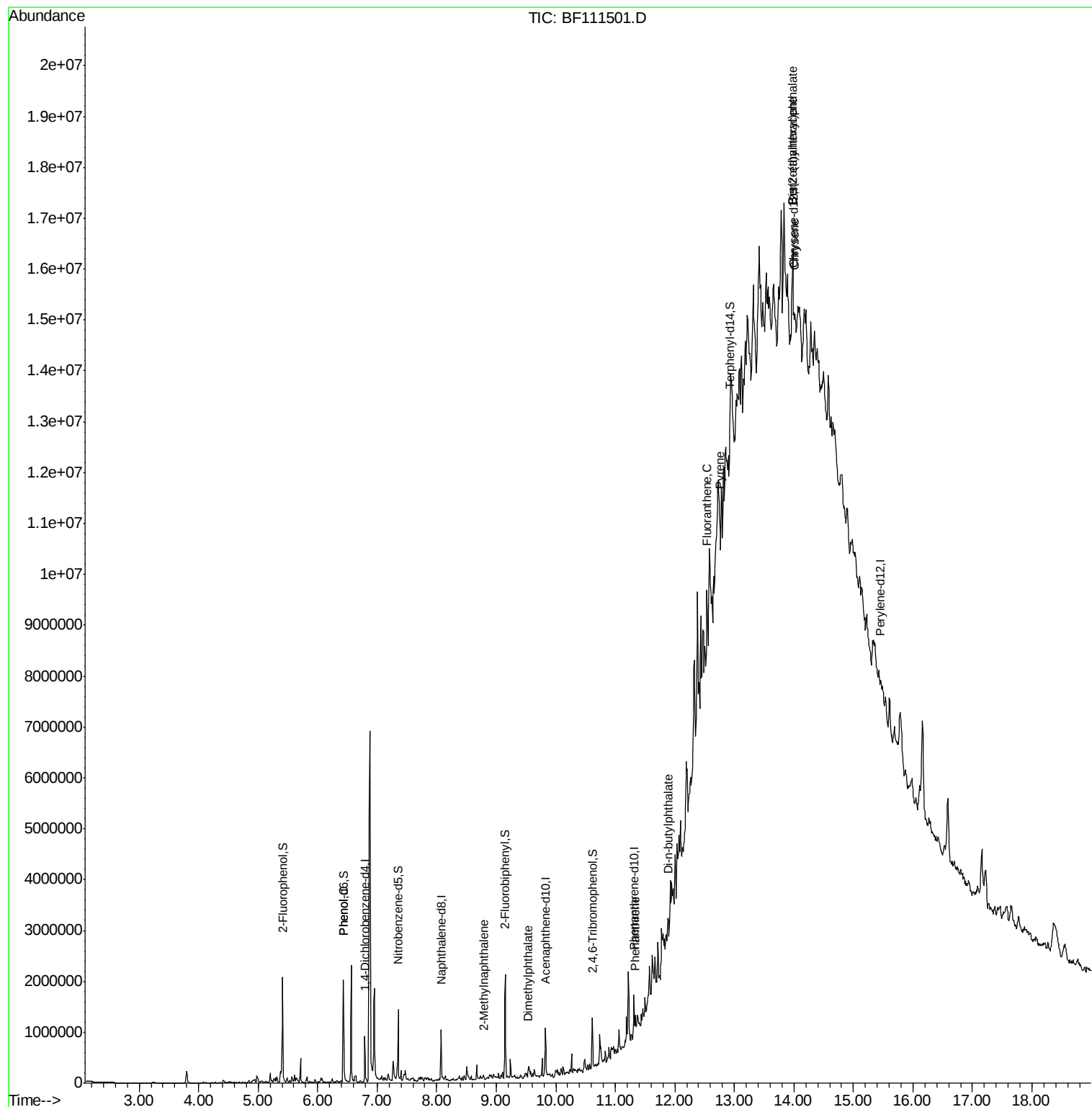
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	43363	4.260	ng	91
37) 2-Methylnaphthalene	8.79	142	26764	2.122	ng	99
50) Dimethylphthalate	9.54	163	63787	5.198	ng	99
71) Phenanthrene	11.33	178	79646	4.839	ng	96
74) Di-n-butylphthalate	11.88	149	52722	2.720	ng	# 91
75) Fluoranthene	12.53	202	100365	6.234	ng	94
78) Pyrene	12.77	202	89439	8.722	ng	# 90
81) Benzo(a)anthracene	13.99	228	24604	3.111	ng	# 72
83) Chrysene	14.02	228	25708	3.086	ng	# 74
84) Bis(2-ethylhexyl)phthalate	13.98	149	618205	96.833	ng	98

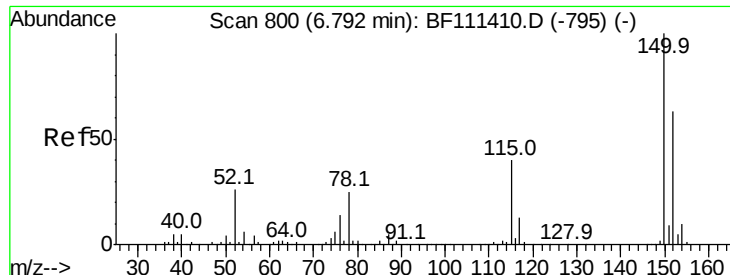
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

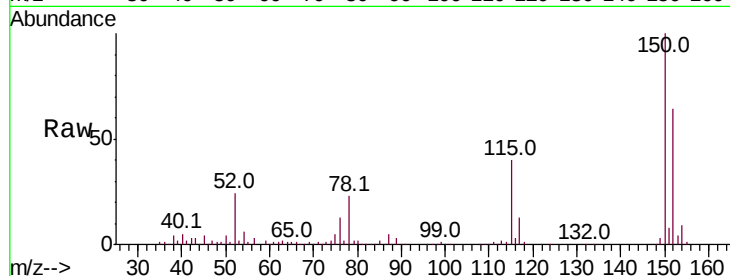
Tot Ion:152 Resp: 114320

Ion Ratio Lower Upper

152 100

150 157.1 126.6 189.8

115 62.5 50.7 76.1

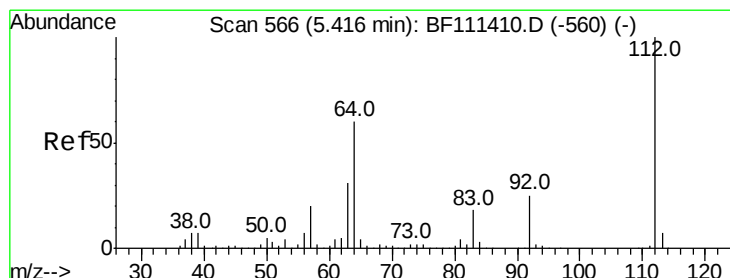
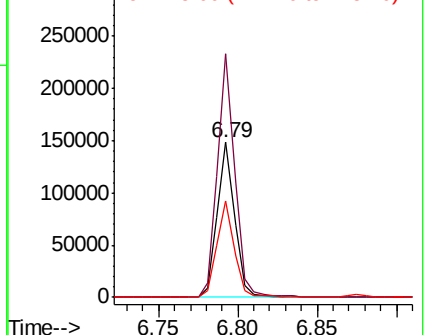
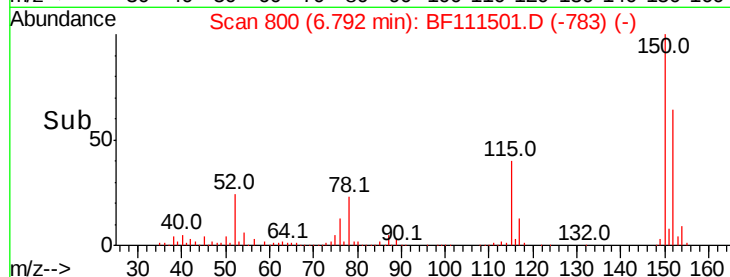


Abundance

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: 80.103 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

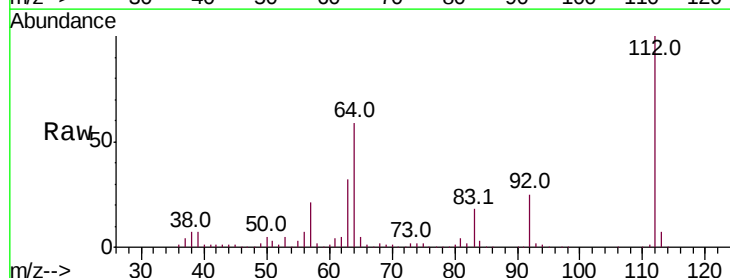
Tgt Ion:112 Resp: 550305

Ion Ratio Lower Upper

112 100

64 59.4 51.8 77.6

63 32.1 26.8 40.2

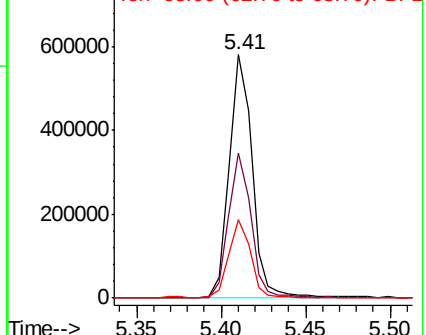
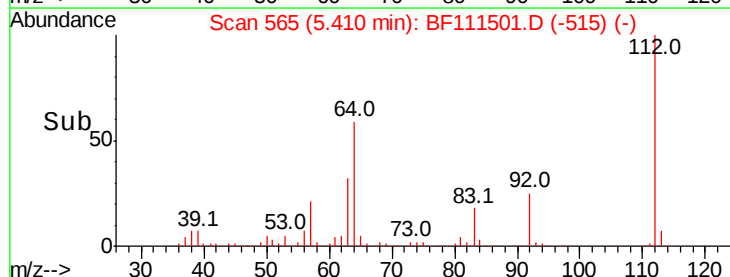


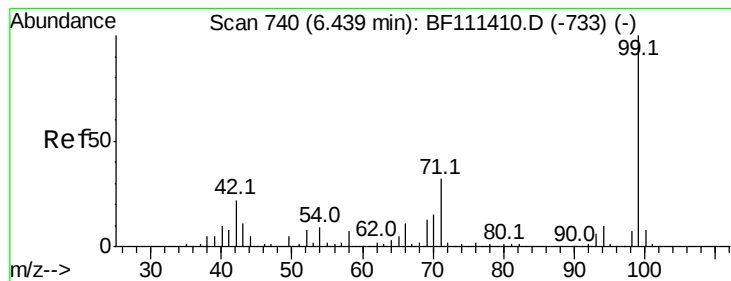
Abundance

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: 74.612 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

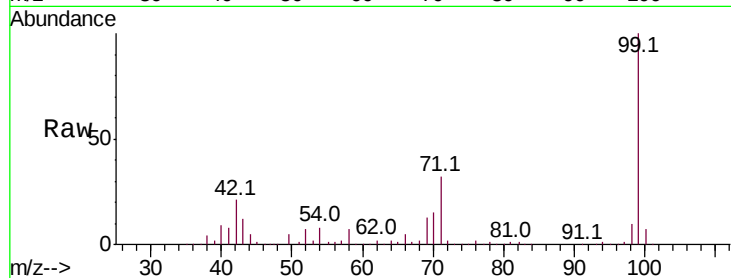
Tot Ion: 99 Resp: 681818

Ion Ratio Lower Upper

99 100

42 20.9 17.4 26.0

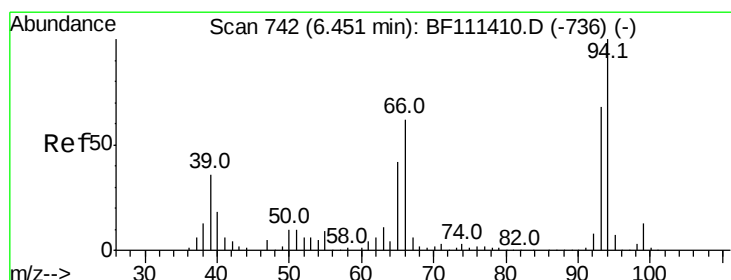
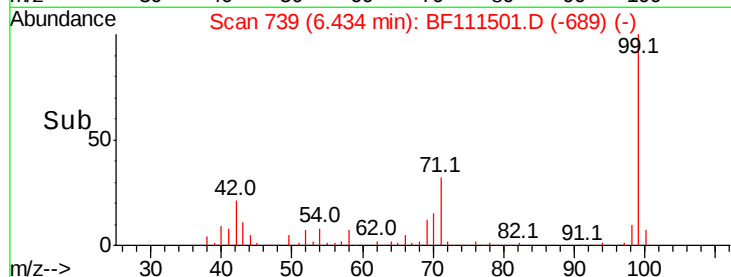
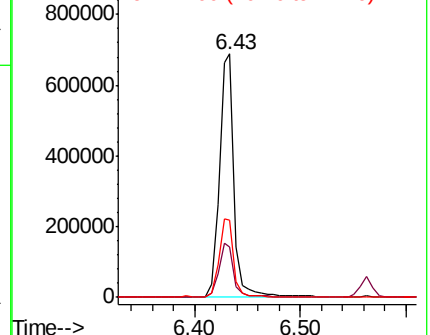
71 31.6 26.1 39.1



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



#10

Phenol

Concen: 4.260 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

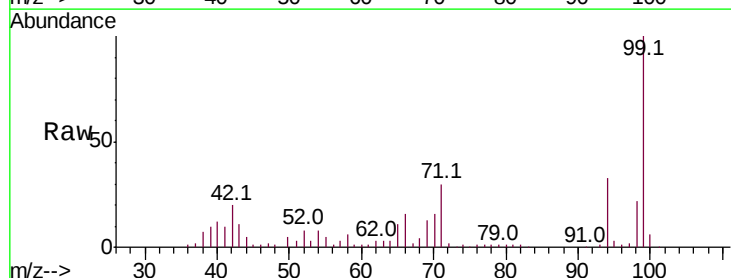
Tgt Ion: 94 Resp: 43363

Ion Ratio Lower Upper

94 100

65 33.6 11.7 51.7

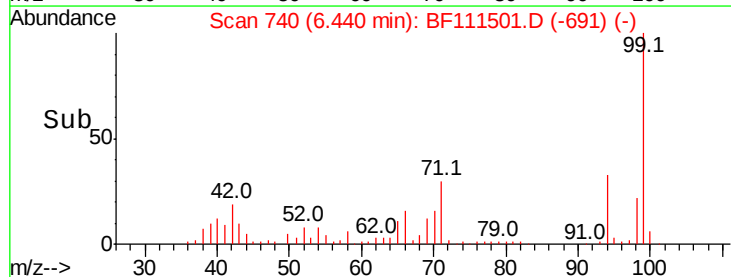
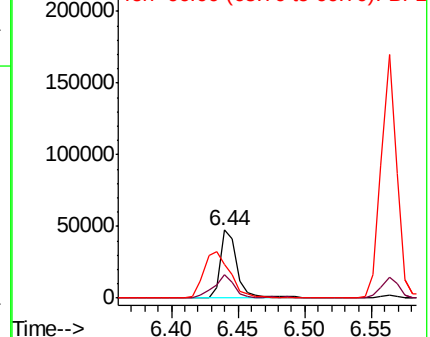
66 49.1 21.0 61.0

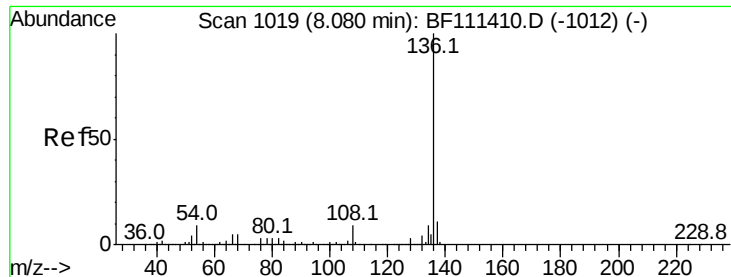


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tot Ion:136 Resp: 398427

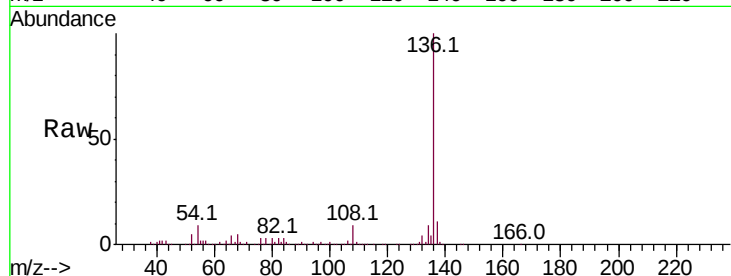
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 8.9 7.7 11.5

68 5.1 4.9 7.3

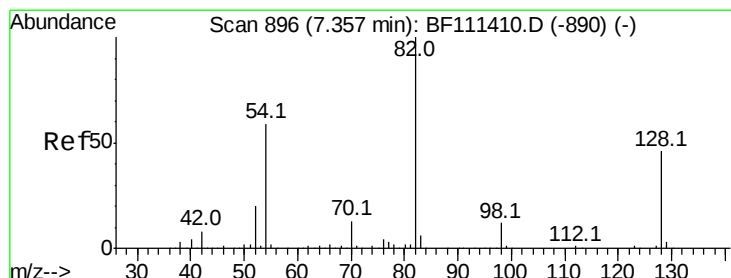
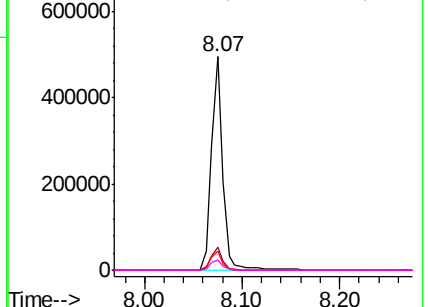
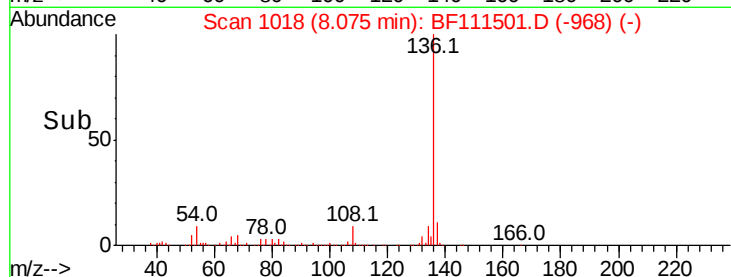


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.653 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

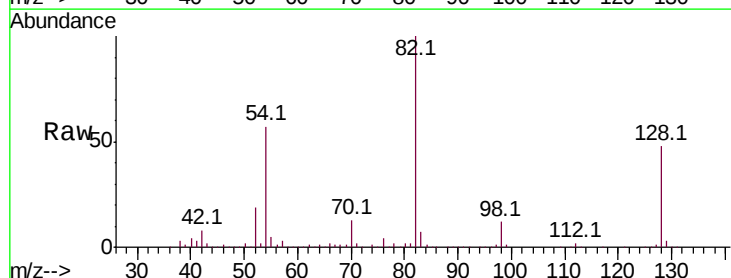
Tgt Ion: 82 Resp: 379054

Ion Ratio Lower Upper

82 100

128 47.6 37.4 56.2

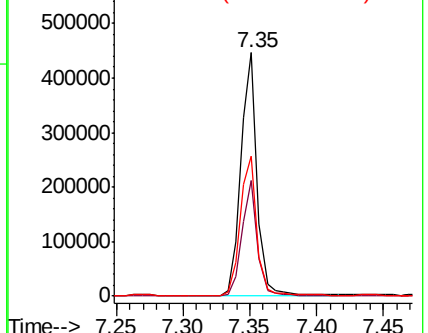
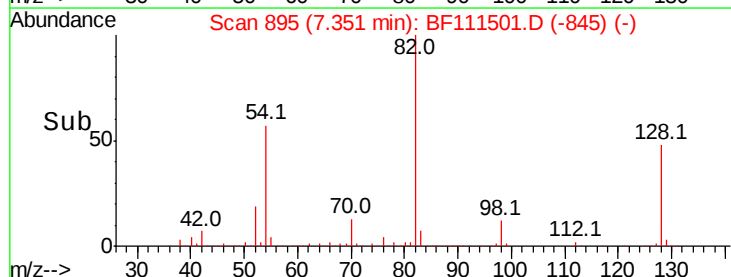
54 57.3 47.6 71.4

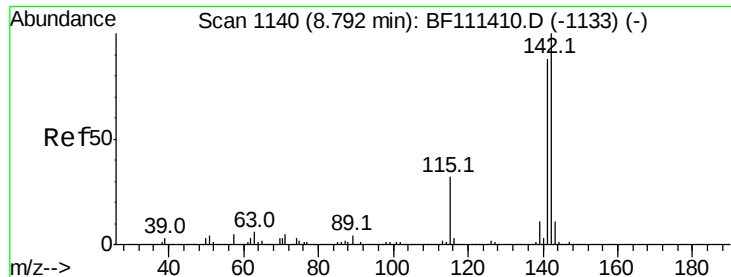


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

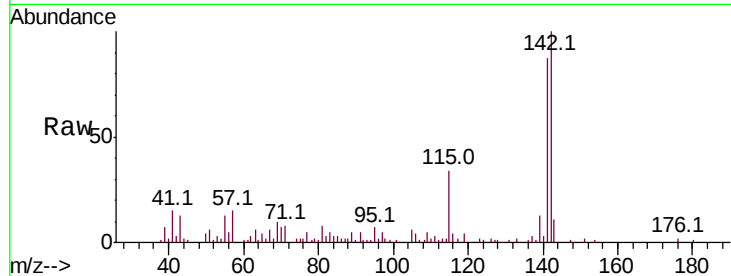




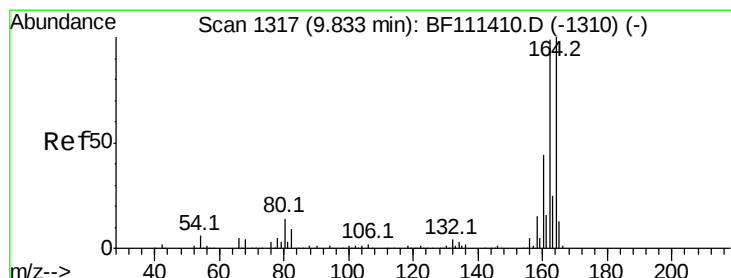
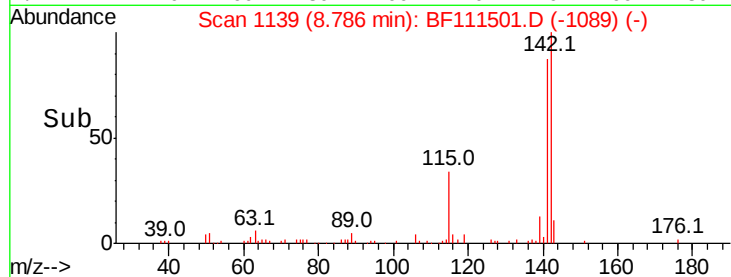
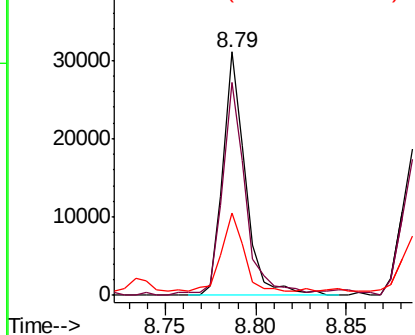
#37
 2-Methylnaphthalene
 Concen: 2.122 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: BF111501.D
 Acq: 16 Dec 2018 7:55

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.6	105.8
115	33.7	27.0	40.6

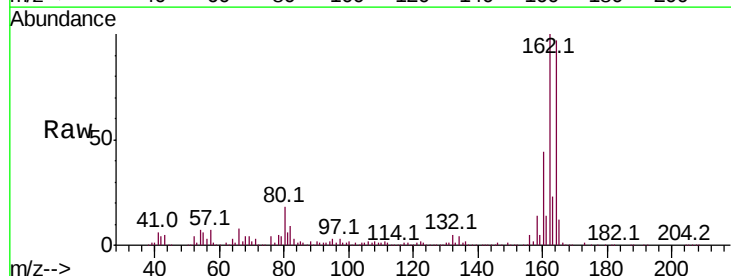


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

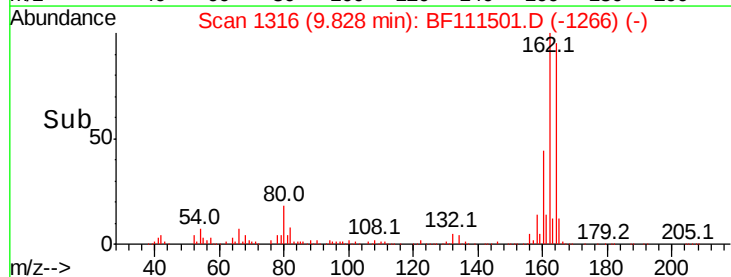
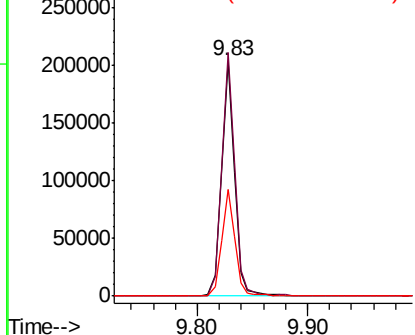


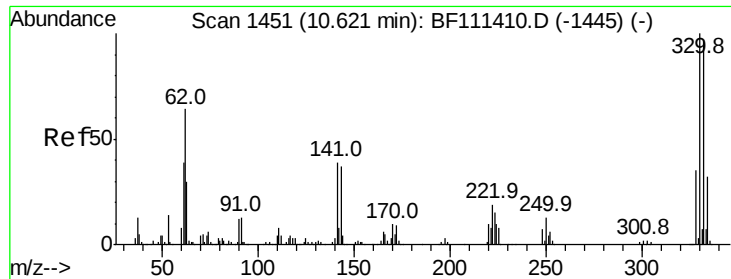
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111501.D
 Acq: 16 Dec 2018 7:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.4	122.0
160	45.6	35.7	53.5



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

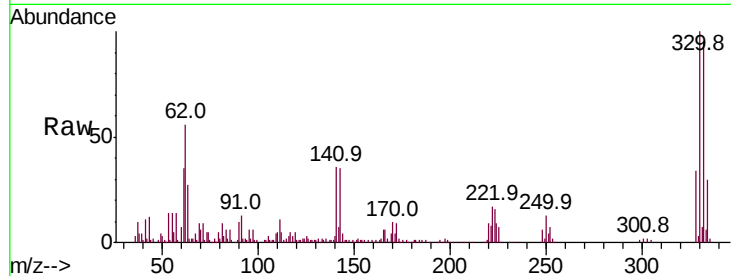




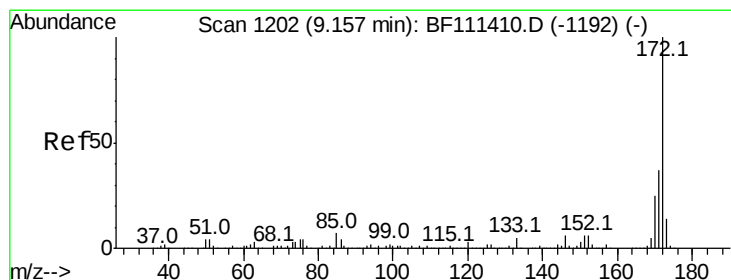
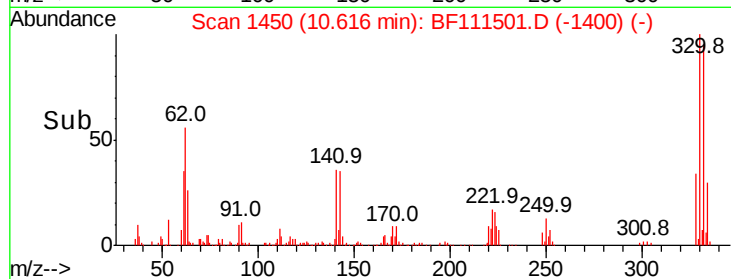
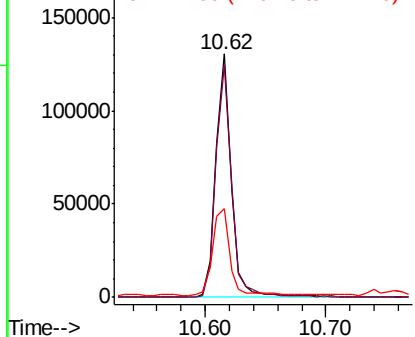
#42
 2,4,6-Tribromophenol
 Concen: 75.193 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111501.D
 Acq: 16 Dec 2018 7:55

Instrument :
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 ClientSampleId :
 COMP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.0	114.0
141	39.0	31.0	46.6

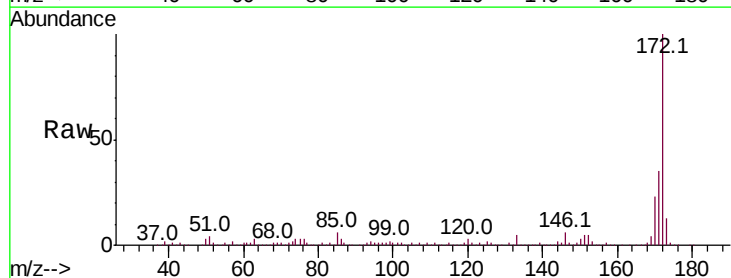


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

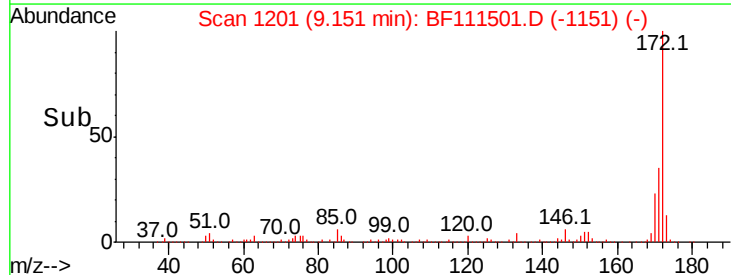
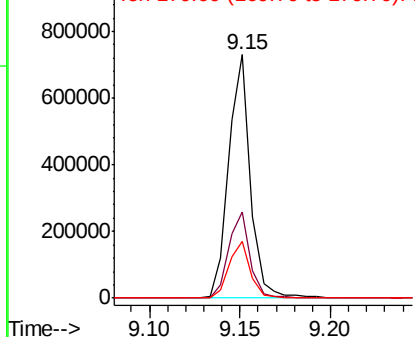


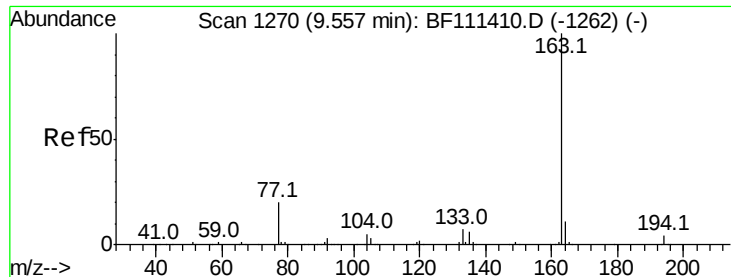
#45
 2-Fluorobiphenyl
 Concen: 55.549 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111501.D
 Acq: 16 Dec 2018 7:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	33.0	49.4
170	23.2	22.3	33.5



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

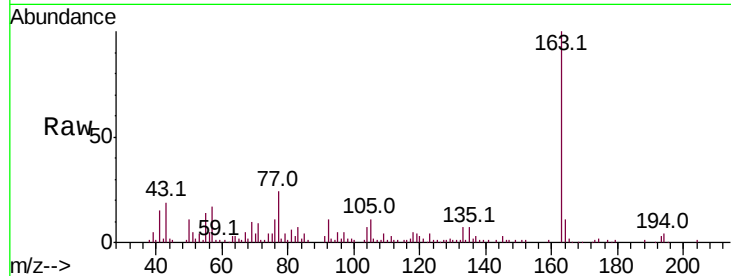




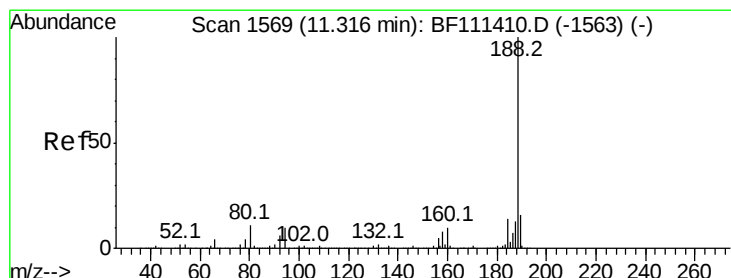
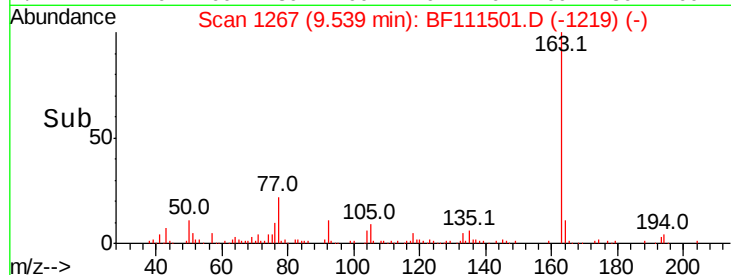
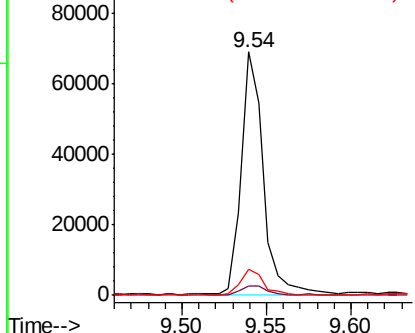
#50
Dimethylphthalate
Concen: 5.198 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.8	8.9	13.3

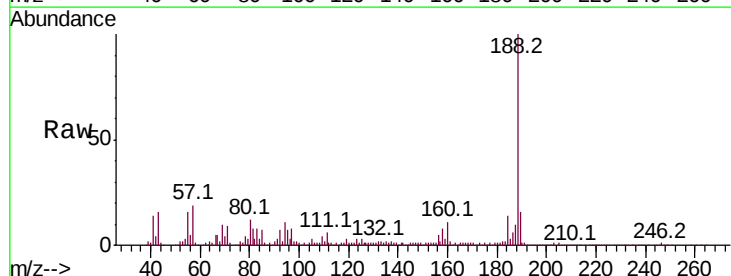


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

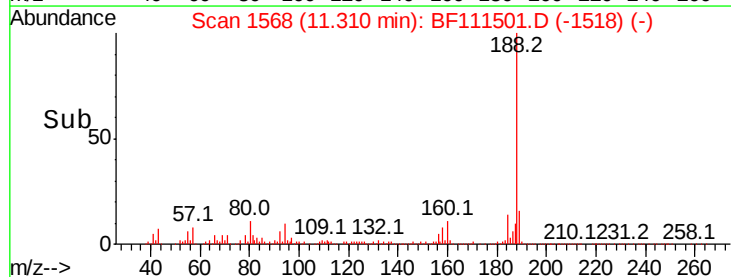
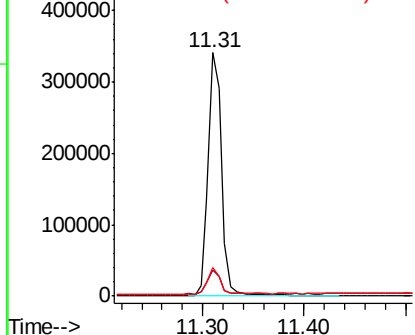


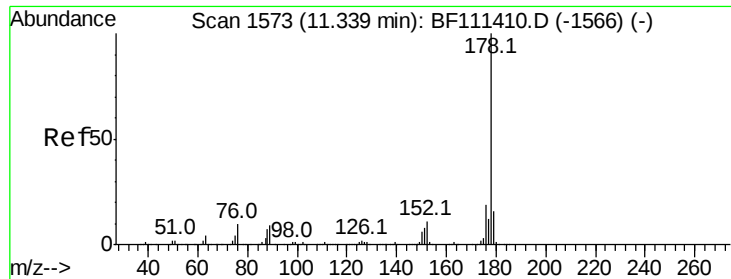
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.6	14.4
80	11.7	9.8	14.6



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





#71

Phenanthrene

Concen: 4.839 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

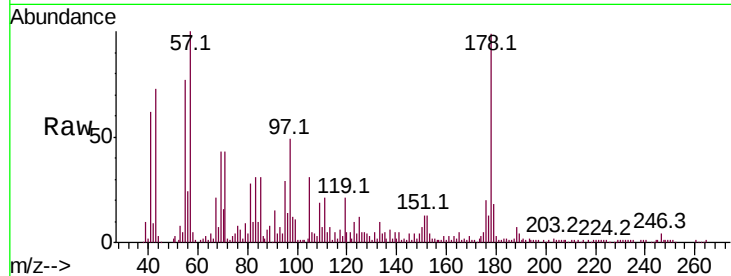
Tot Ion:178 Resp: 79646

Ion Ratio Lower Upper

178 100

176 19.7 18.1 27.1

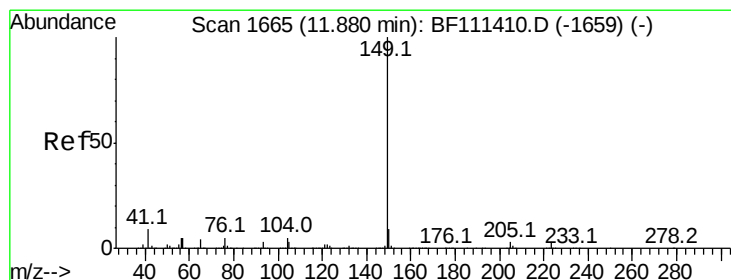
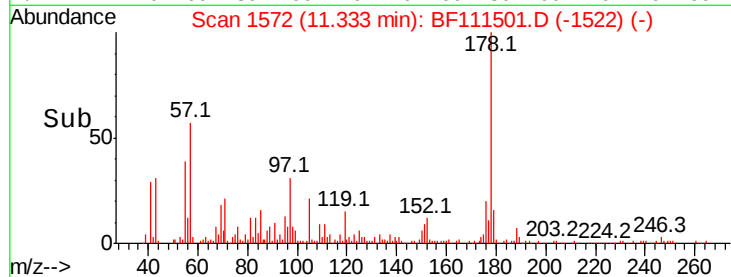
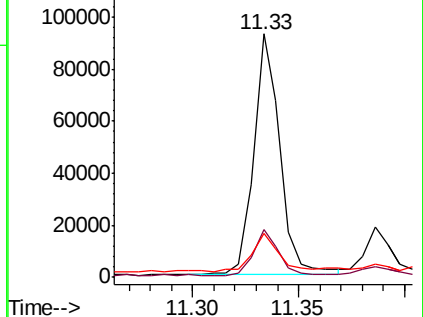
179 17.9 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: 2.720 ng

RT: 11.88 min Scan# 1665

Delta R.T. 0.00 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

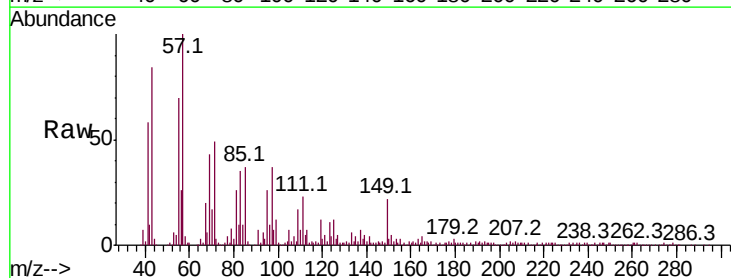
Tgt Ion:149 Resp: 52722

Ion Ratio Lower Upper

149 100

150 15.5 8.8 13.2#

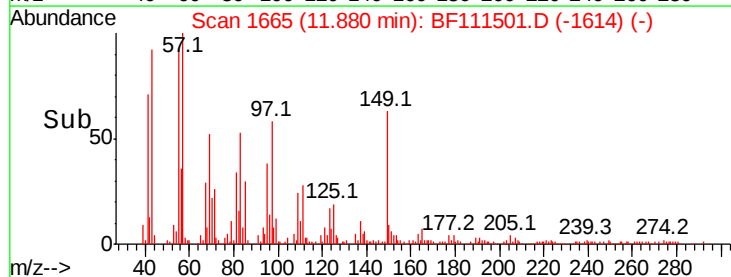
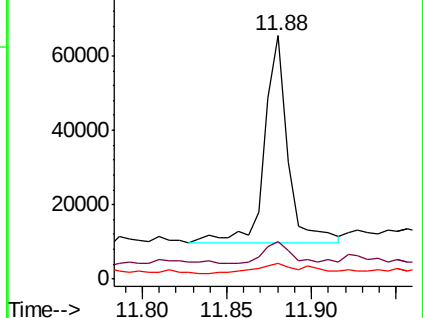
104 6.7 4.5 6.7

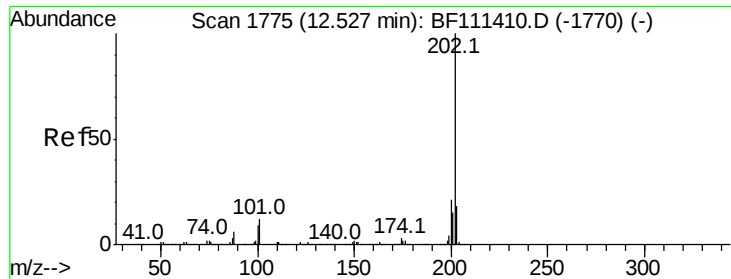


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 6.234 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

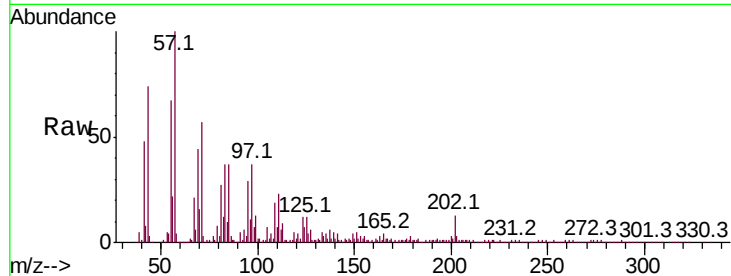
Tot Ion:202 Resp: 100365

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.8

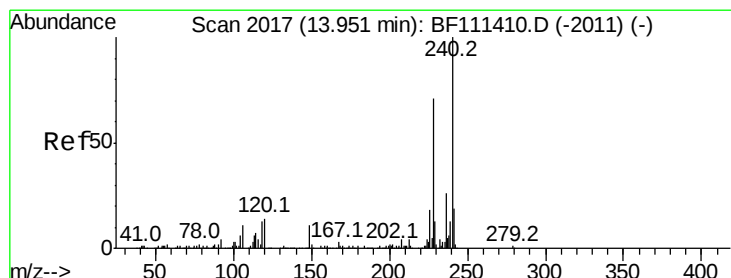
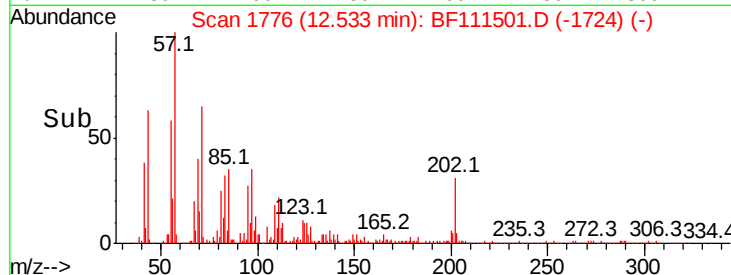
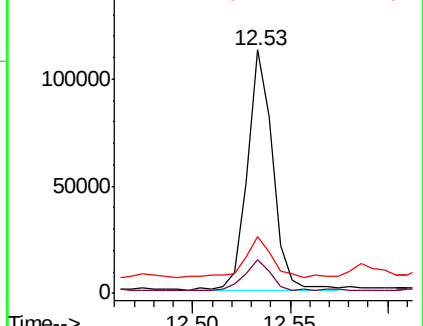
203 23.2 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.05 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

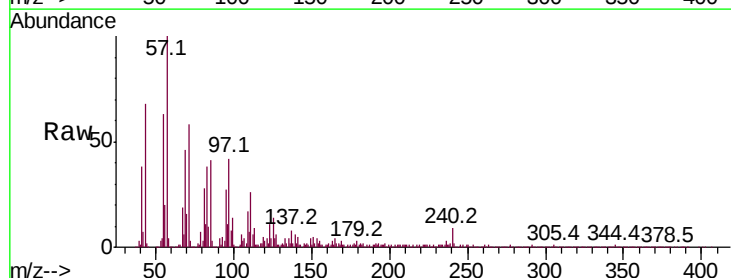
Tgt Ion:240 Resp: 145448

Ion Ratio Lower Upper

240 100

120 35.9 12.2 18.2#

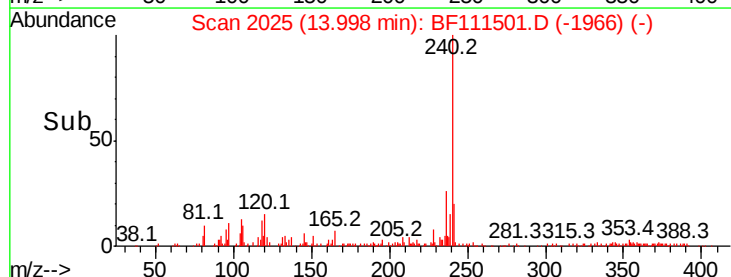
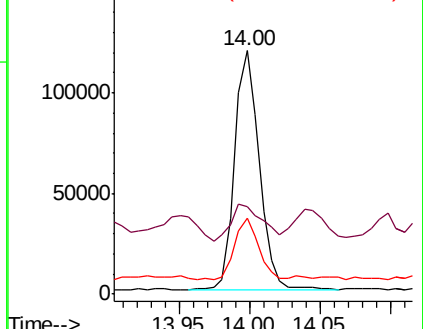
236 31.0 20.2 30.2#

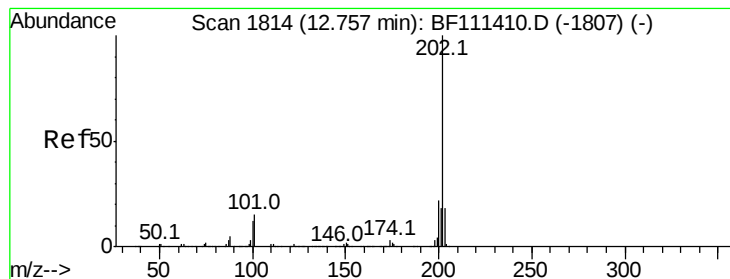


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.722 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampled :

COMP-1

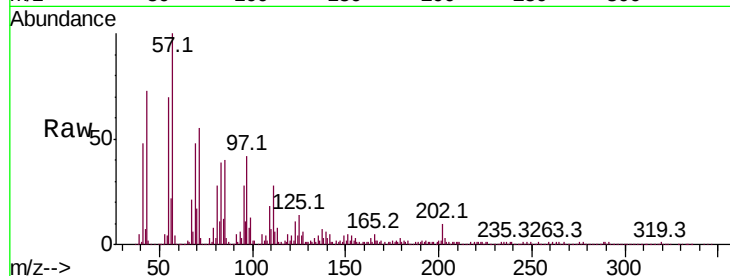
Tot Ion:202 Resp: 89439

Ion Ratio Lower Upper

202 100

200 20.2 19.0 28.4

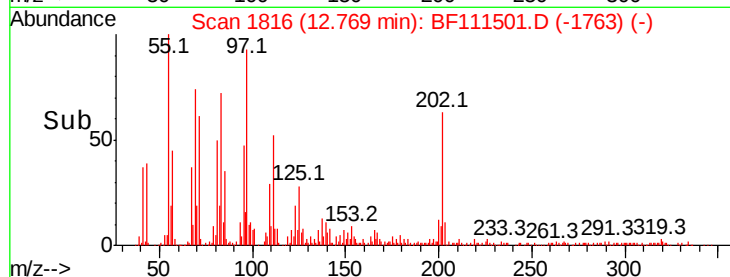
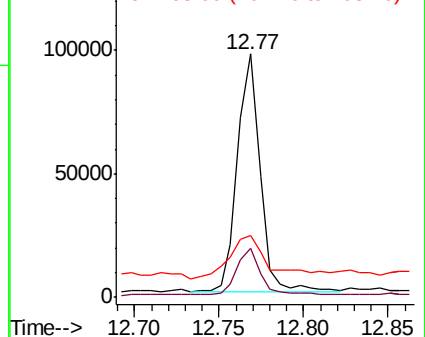
203 25.2 15.2 22.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 73.197 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.02 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

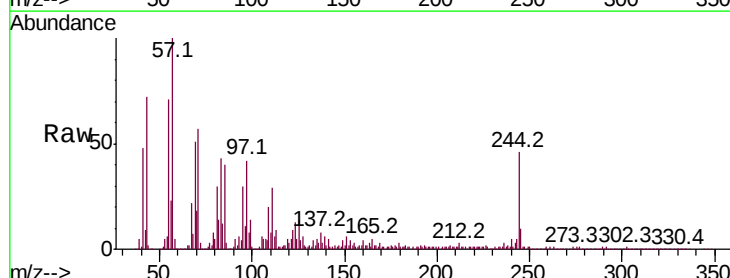
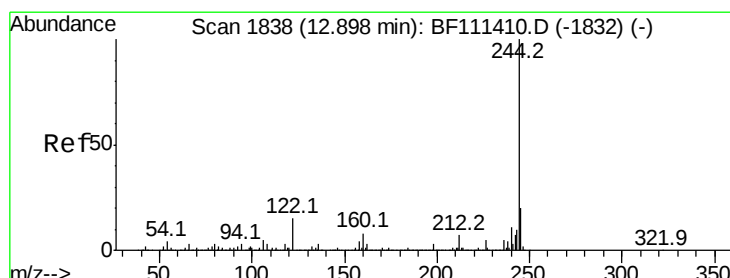
Tgt Ion:244 Resp: 453378

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

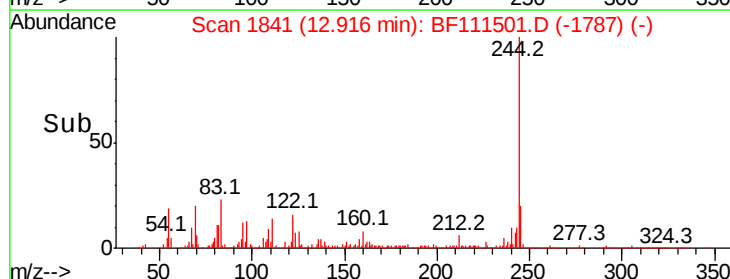
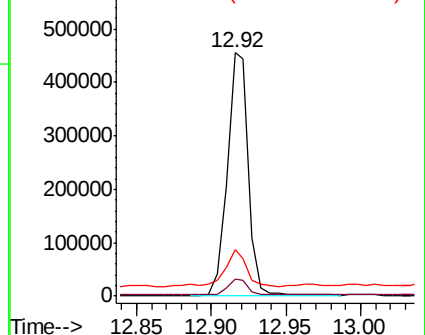
122 19.0 13.1 19.7

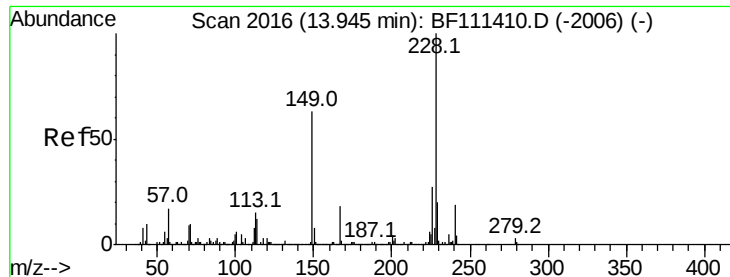


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.111 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

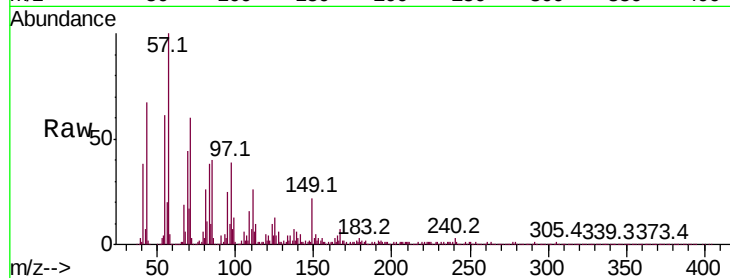
Tot Ion:228 Resp: 24604

Ion Ratio Lower Upper

228 100

226 34.8 22.6 34.0#

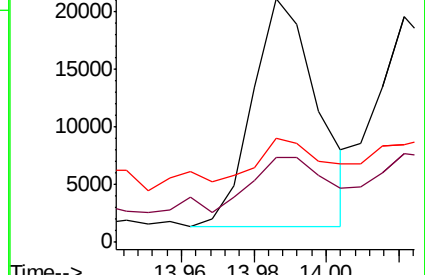
229 43.0 16.3 24.5#



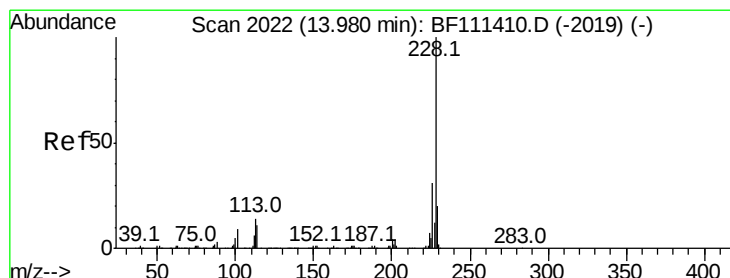
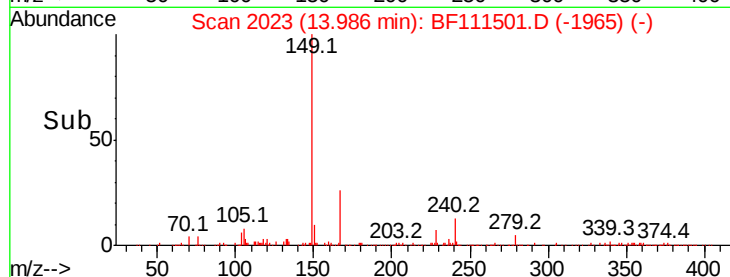
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Chrysene

Concen: 3.086 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.04 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

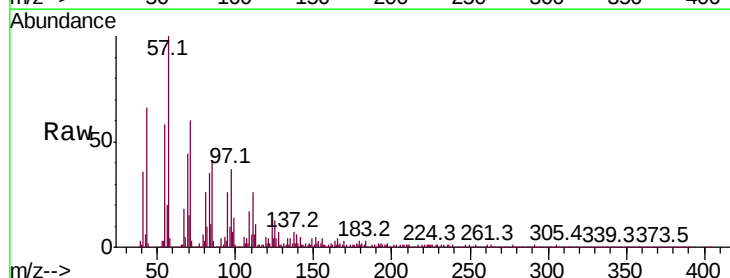
Tgt Ion:228 Resp: 25708

Ion Ratio Lower Upper

228 100

226 39.0 25.3 37.9#

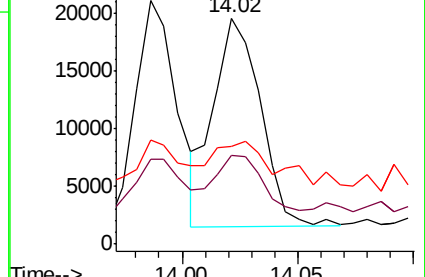
229 43.1 17.2 25.8#



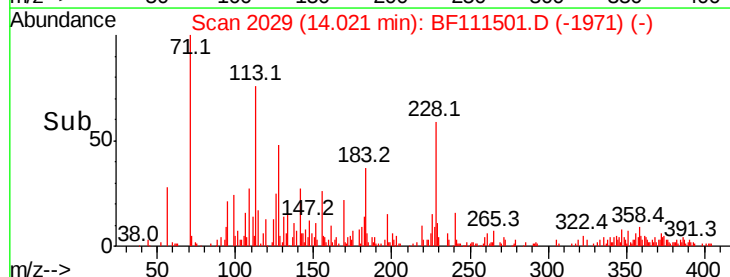
Abundance Ion 228.00 (227.70 to 228.70): E

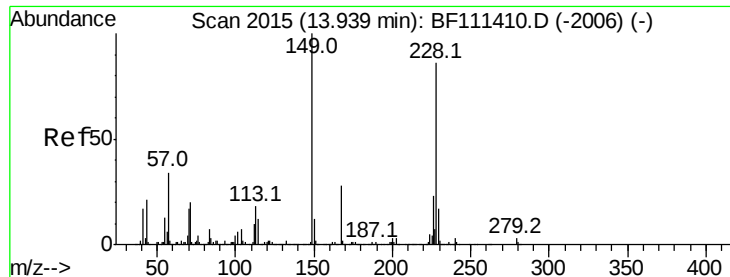
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#84

Bis(2-ethylhexyl)phthalate

Concen: 96.833 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.04 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

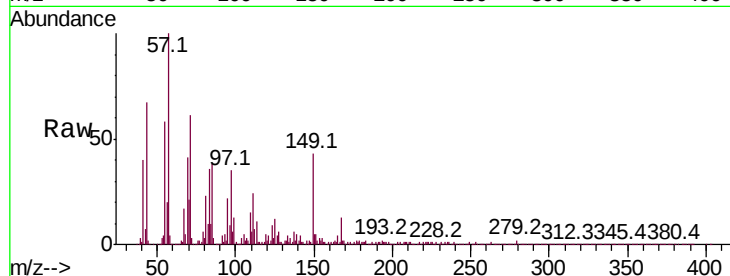
Tot Ion:149 Resp: 618205

Ion Ratio Lower Upper

149 100

167 29.2 22.5 33.7

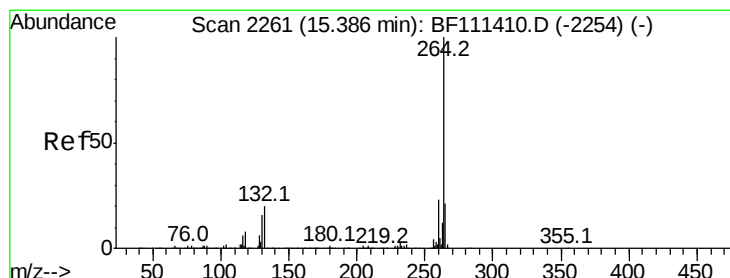
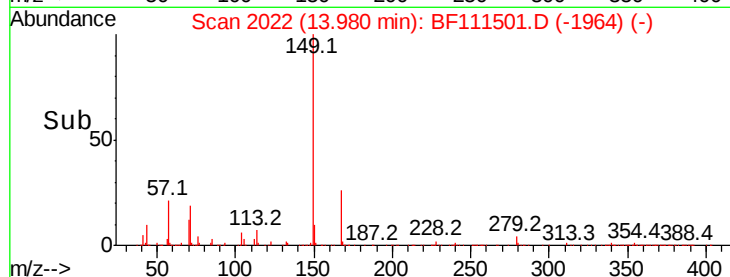
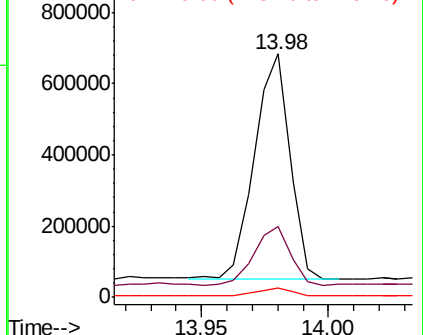
279 4.0 2.6 4.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.07 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

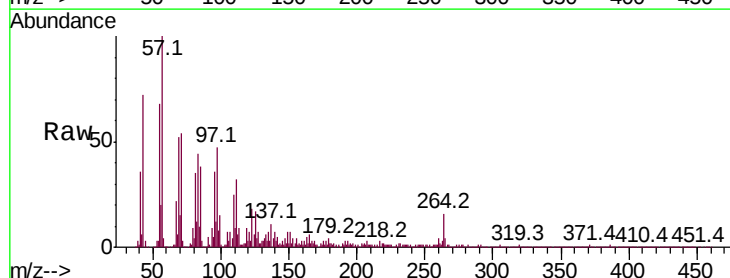
Tgt Ion:264 Resp: 142286

Ion Ratio Lower Upper

264 100

260 25.7 18.3 27.5

265 23.2 17.7 26.5



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

