

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111543.D
 Acq On : 17 Dec 2018 17:13
 Operator : JU/SJ
 Sample : J6440-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Quant Time: Dec 18 05:51:08 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

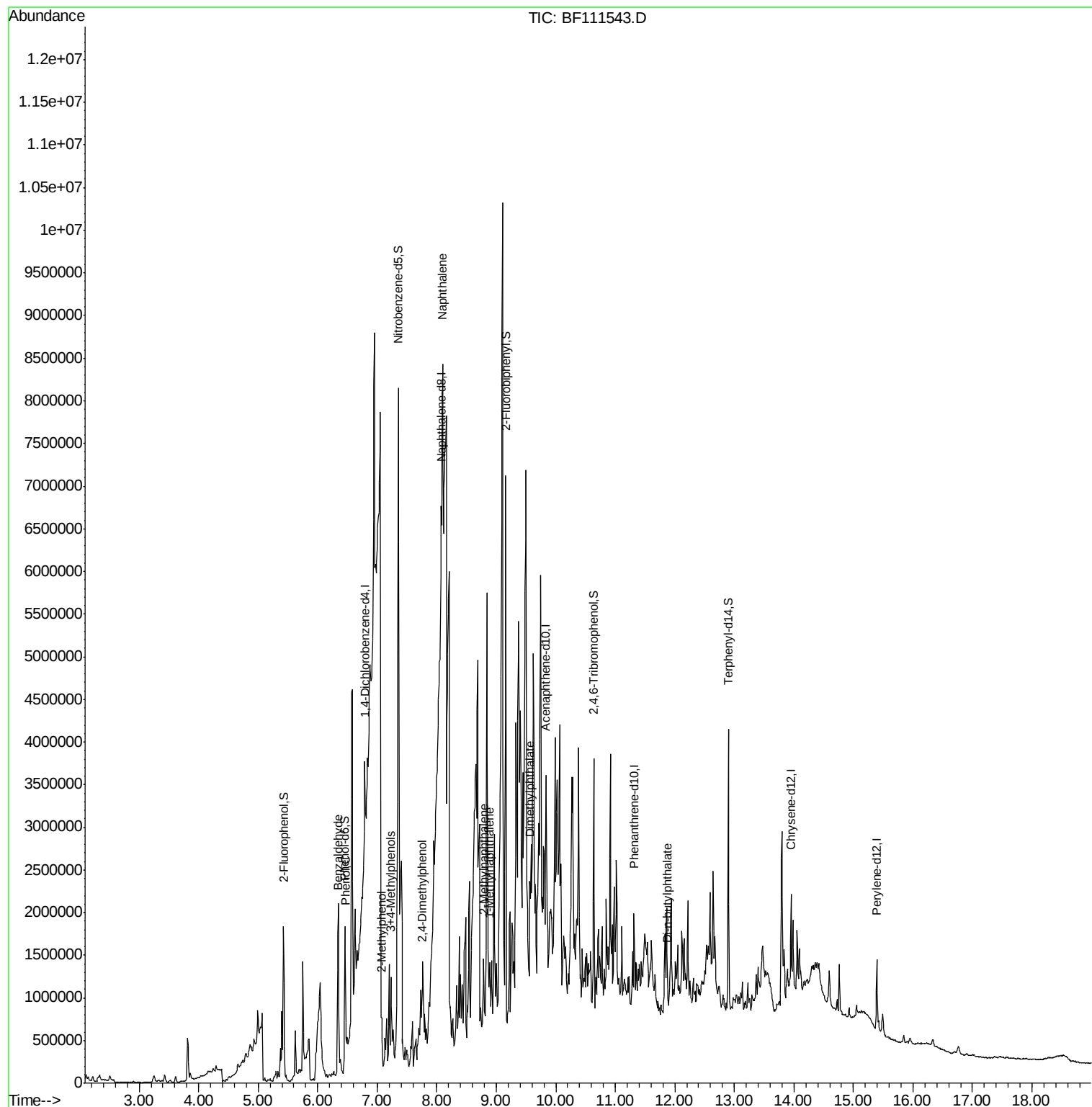
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	172096	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	613767	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	341350	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	349136	20.00	ng	0.00
76) Chrysene-d12	13.95	240	366610	20.00	ng	0.00
87) Perylene-d12	15.40	264	391661	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	577913	55.88	ng	0.01
7) Phenol-d6	6.46	99	711107	51.69	ng	0.02
23) Nitrobenzene-d5	7.36	82	1017789	98.75	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	287477	94.02	ng	0.02
45) 2-Fluorobiphenyl	9.16	172	2018510	91.34	ng	0.00
79) Terphenyl-d14	12.90	244	1127169	72.20	ng	0.00
Target Compounds						
9) Benzaldehyde	6.33	77	148151	17.755	ng	Qvalue 97
10) Phenol	6.47	94	151414	9.881	ng	97
17) 2-Methylphenol	7.07	107	113967	11.460	ng	99
20) 3+4-Methylphenols	7.23	107	172262	13.809	ng	# 62
27) 2,4-Dimethylphenol	7.75	122	90746	11.480	ng	# 93
31) Naphthalene	8.10	128	1173458	40.877	ng	97
37) 2-Methylnaphthalene	8.79	142	177251	9.125	ng	96
38) 1-Methylnaphthalene	8.89	142	112208	5.979	ng	# 98
50) Dimethylphthalate	9.56	163	387953	15.781	ng	98
74) Di-n-butylphthalate	11.88	149	53538	2.527	ng	# 83

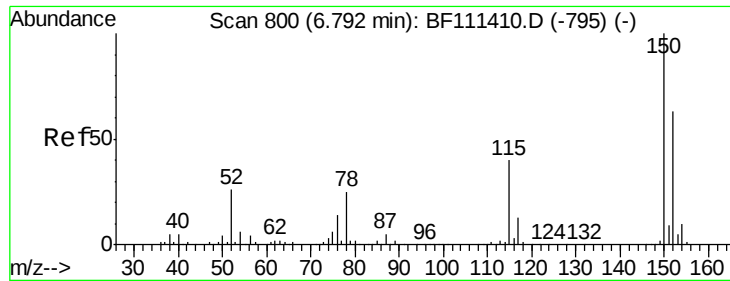
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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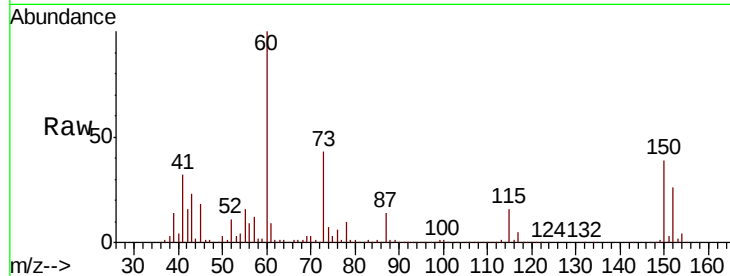


#1

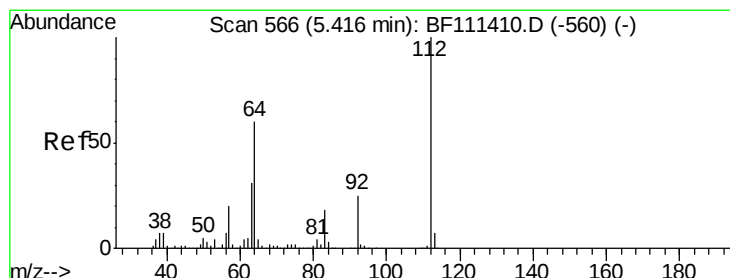
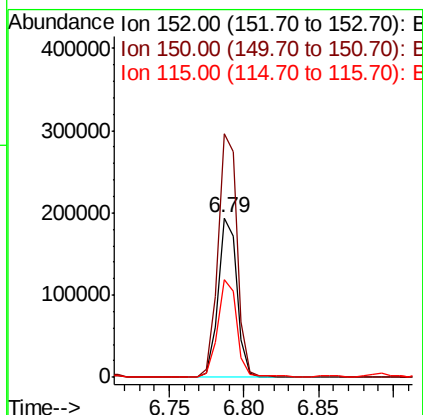
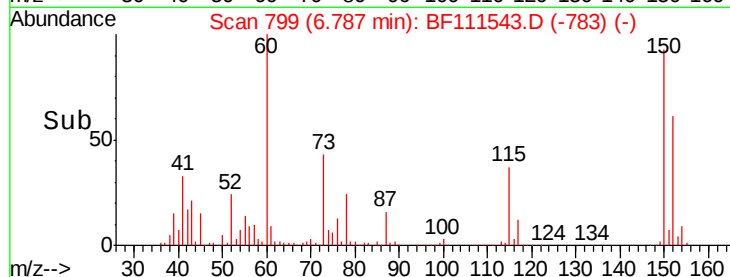
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111543.D
Acq: 17 Dec 2018 17:13

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tot Ion:152 Resp: 172096
Ion Ratio Lower Upper
152 100
150 153.0 126.6 189.8
115 61.5 50.7 76.1



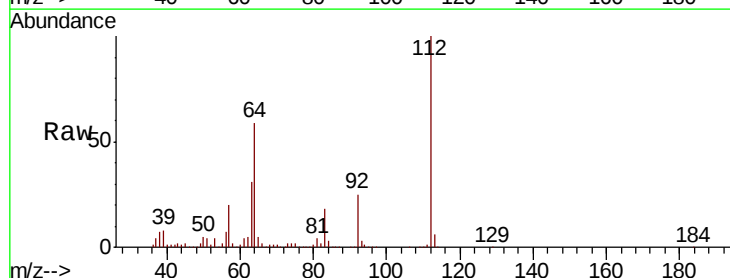
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



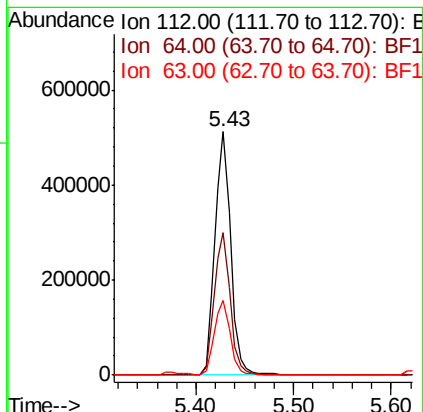
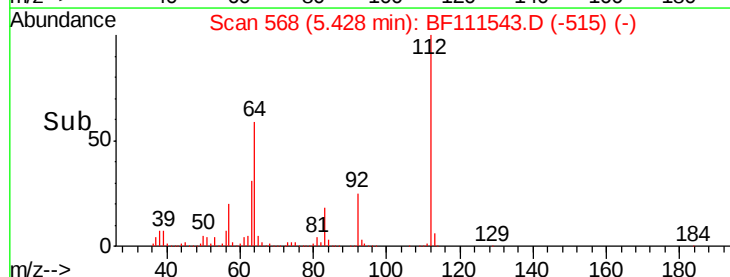
#5

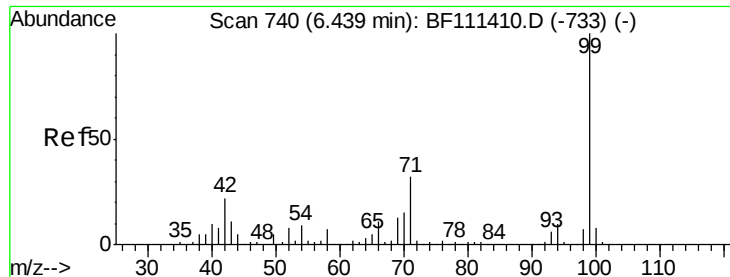
2-Fluorophenol
Concen: 55.881 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF111543.D
Acq: 17 Dec 2018 17:13

Tgt Ion:112 Resp: 577913
Ion Ratio Lower Upper
112 100
64 58.5 51.8 77.6
63 30.7 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: 51.692 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.02 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

Instrument :

BNA_F

ClientSampleId :

COMP-3

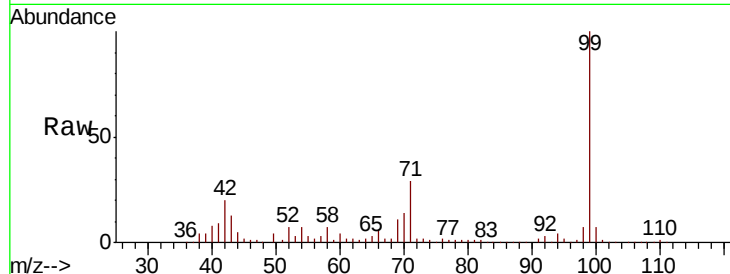
Tot Ion: 99 Resp: 711107

Ion Ratio Lower Upper

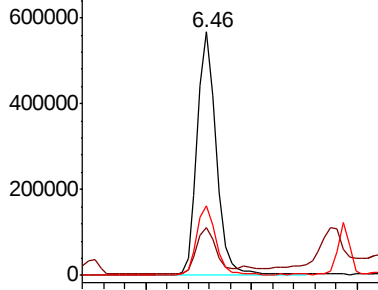
99 100

42 19.6 17.4 26.0

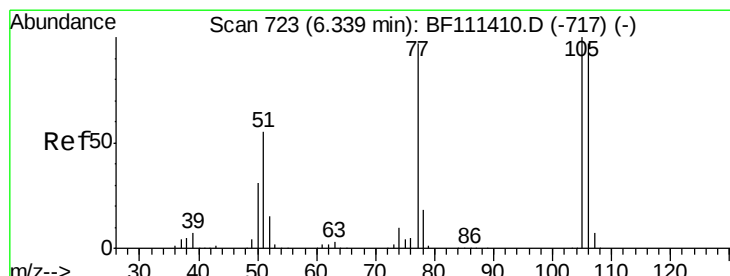
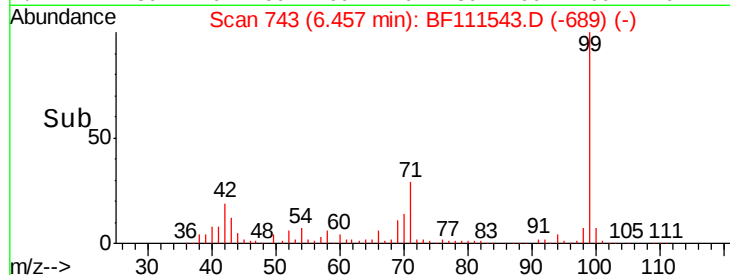
71 28.6 26.1 39.1



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



Time-->



#9

Benzaldehyde

Concen: 17.755 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

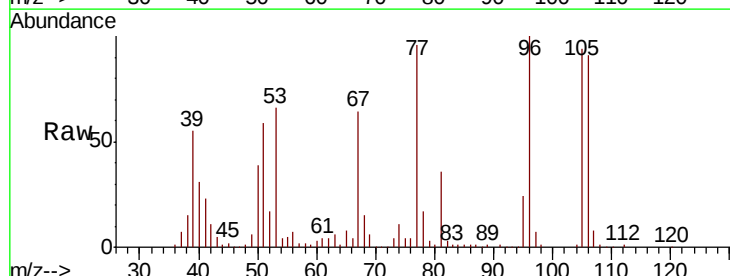
Tgt Ion: 77 Resp: 148151

Ion Ratio Lower Upper

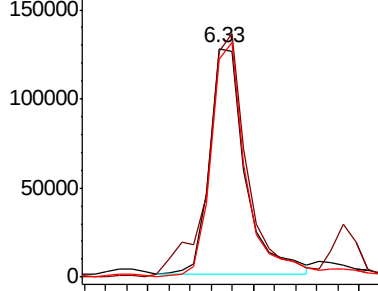
77 100

105 98.8 81.4 121.4

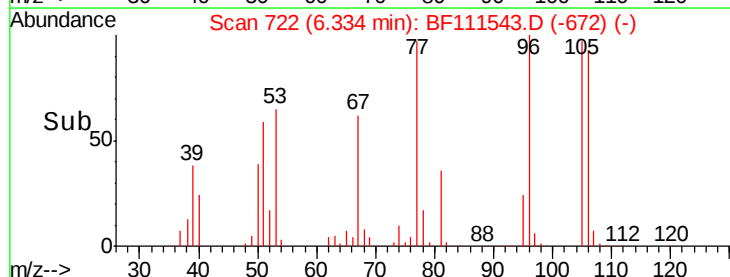
106 95.2 77.9 117.9

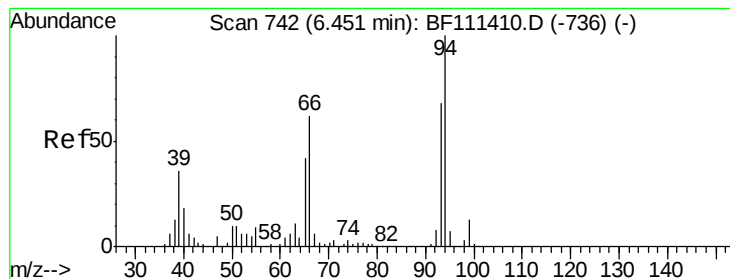


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



Time-->





#10

Phenol

Concen: 9.881 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.02 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

Instrument :

BNA_F

ClientSampleId :

COMP-3

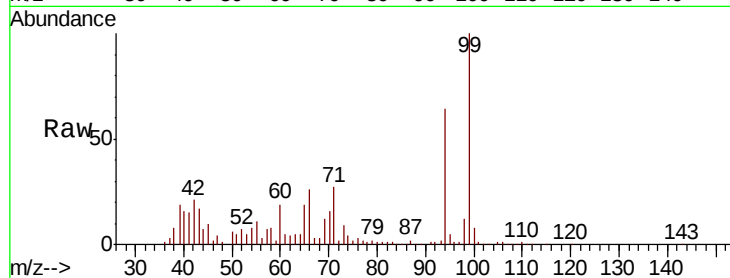
Tot Ion: 94 Resp: 151414

Ion Ratio Lower Upper

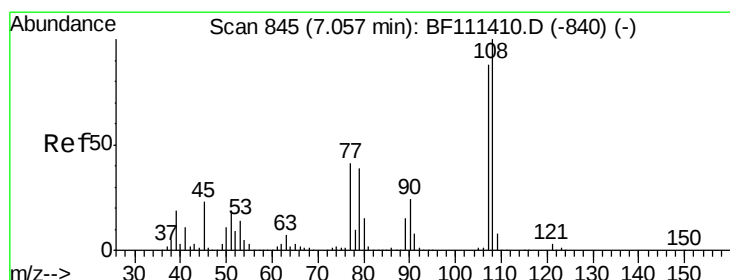
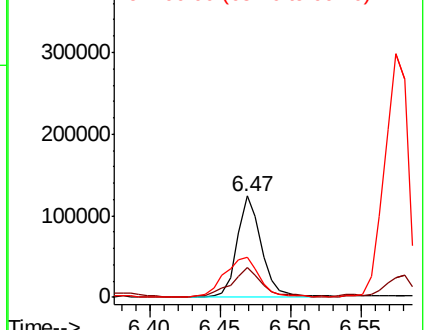
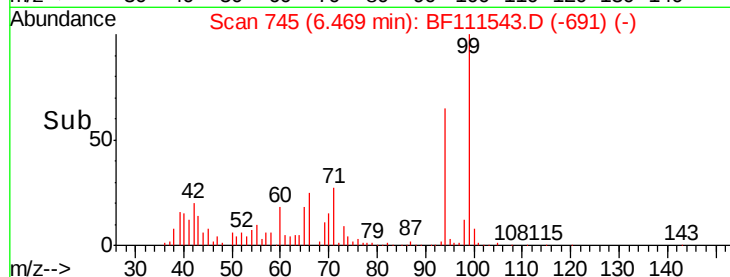
94 100

65 29.4 11.7 51.7

66 39.7 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



#17

2-Methylphenol

Concen: 11.460 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.02 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

Tgt Ion: 107 Resp: 113967

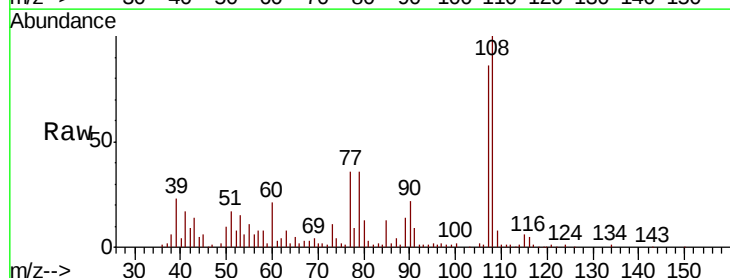
Ion Ratio Lower Upper

107 100

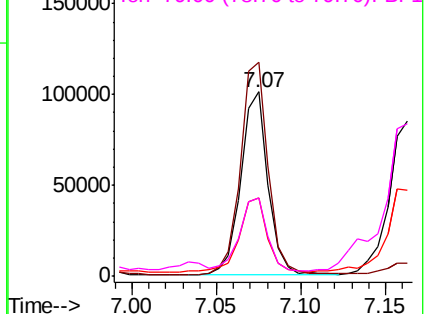
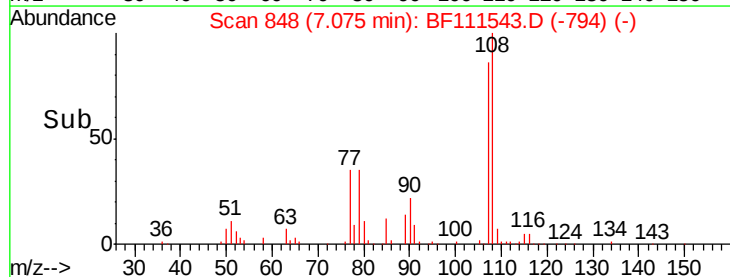
108 116.0 91.0 136.4

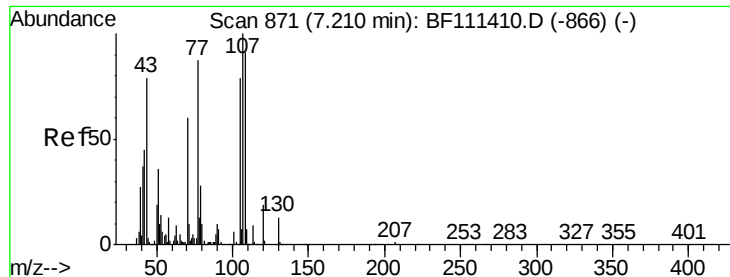
77 42.1 33.5 50.3

79 42.3 33.3 49.9



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

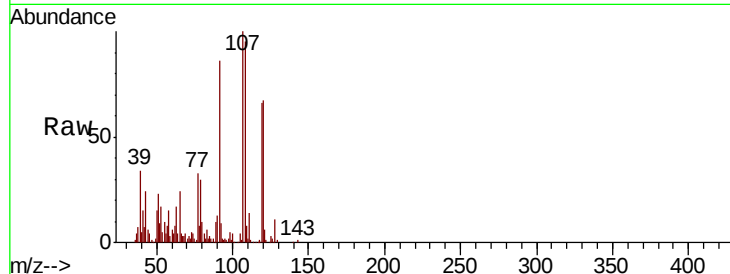




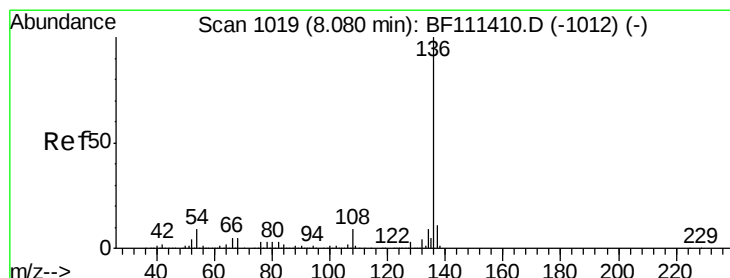
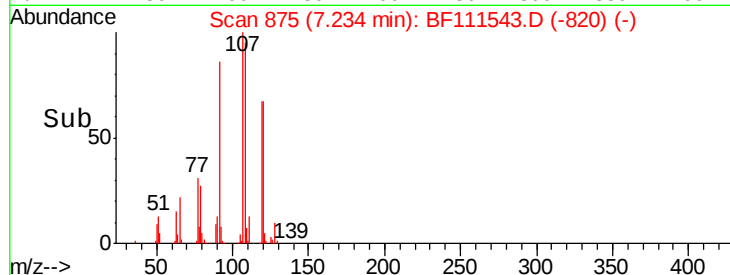
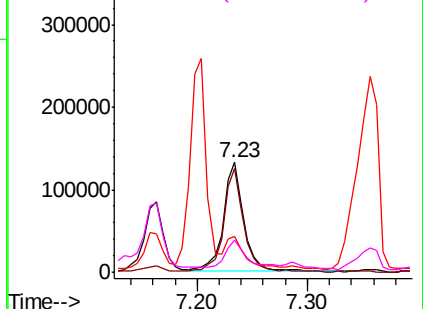
#20
3+4-Methylphenols
Concen: 13.809 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.02 min
Lab File: BF111543.D
Acq: 17 Dec 2018 17:13

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tot Ion:	107	Resp:	172262
Ion	Ratio	Lower	Upper
107	100		
108	94.9	72.1	112.1
77	33.1	94.1	134.1#
79	29.5	9.8	49.8

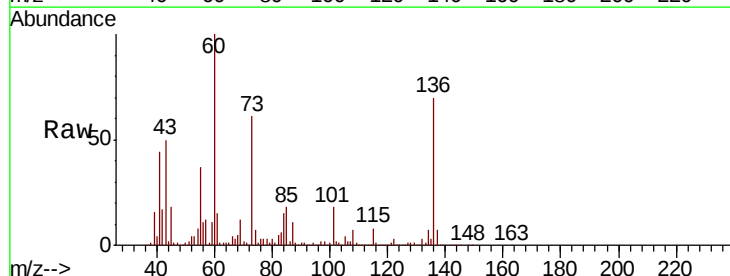


Abundance Ion 107.00 (106.70 to 107.70): E
400000
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

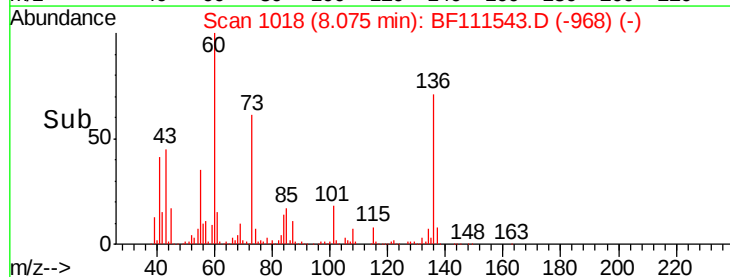
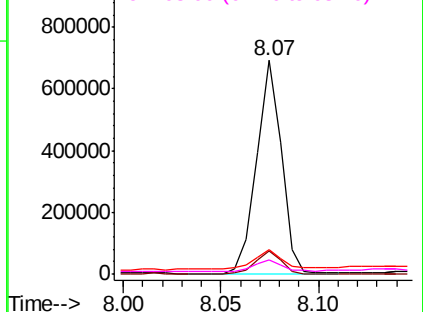


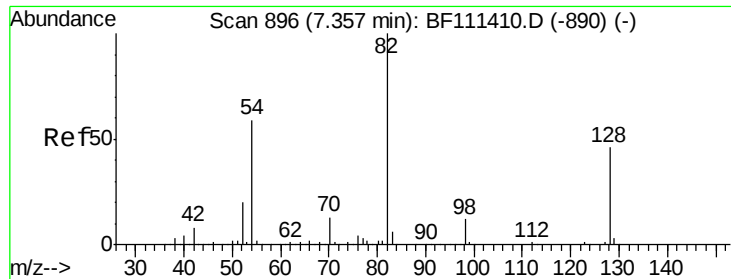
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111543.D
Acq: 17 Dec 2018 17:13

Tgt Ion:	136	Resp:	613767
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	11.4	7.7	11.5
68	6.6	4.9	7.3



Abundance Ion 136.00 (135.70 to 136.70): E
1000000
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: 98.748 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.00 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

Instrument :

BNA_F

ClientSampleId :

COMP-3

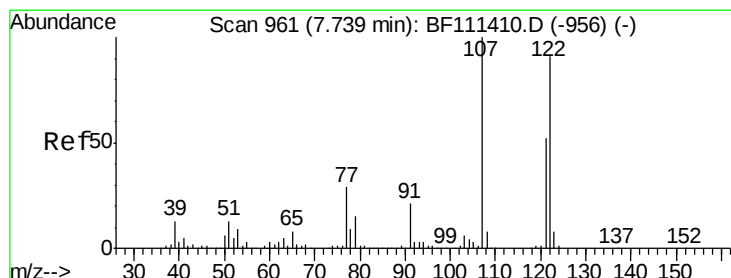
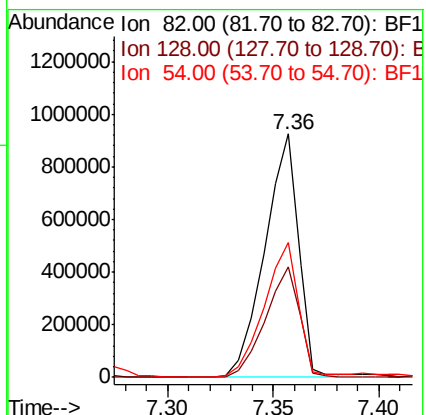
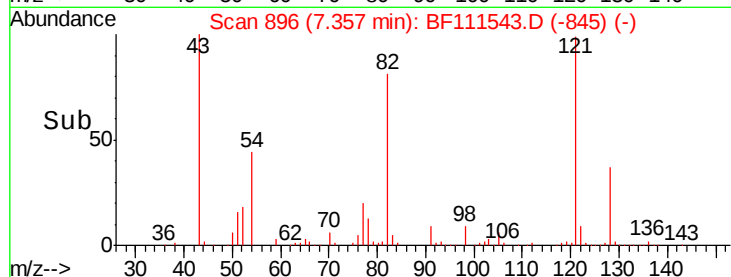
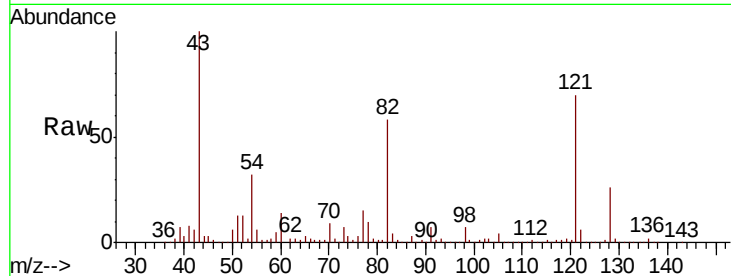
Tot Ion: 82 Resp: 1017789

Ion Ratio Lower Upper

82 100

128 45.5 37.4 56.2

54 55.5 47.6 71.4



#27

2,4-Dimethylphenol

Concen: 11.480 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.01 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

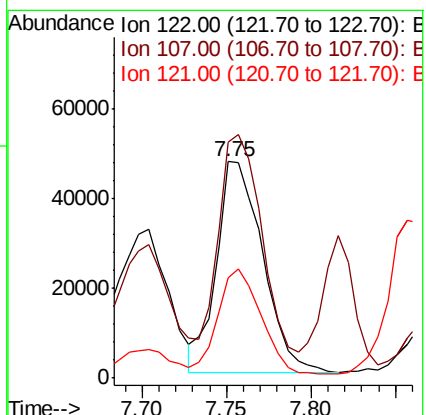
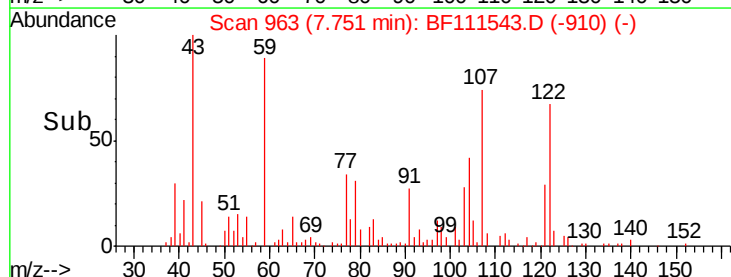
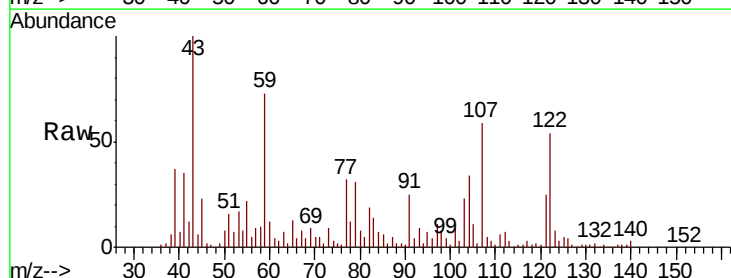
Tgt Ion:122 Resp: 90746

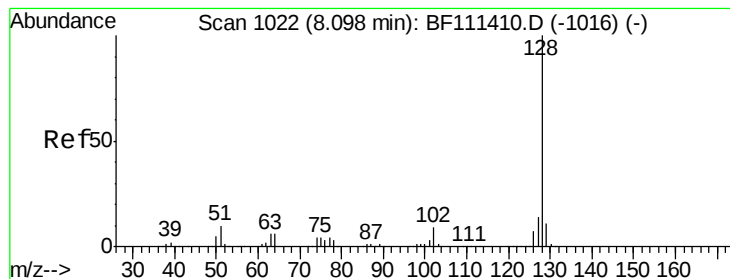
Ion Ratio Lower Upper

122 100

107 108.9 85.5 128.3

121 46.5 46.6 70.0#





#31

Naphthalene

Concen: 40.877 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

Instrument :

BNA_F

ClientSampleId :

COMP-3

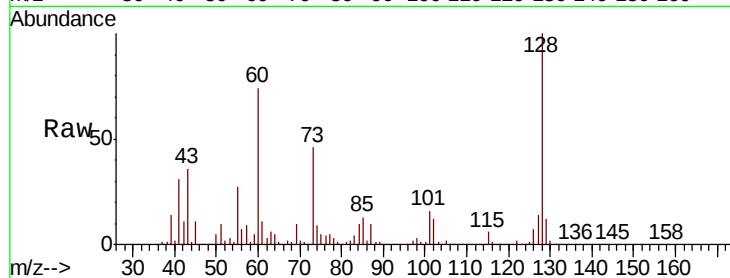
Tot Ion:128 Resp: 1173458

Ion Ratio Lower Upper

128 100

129 11.8 9.8 14.8

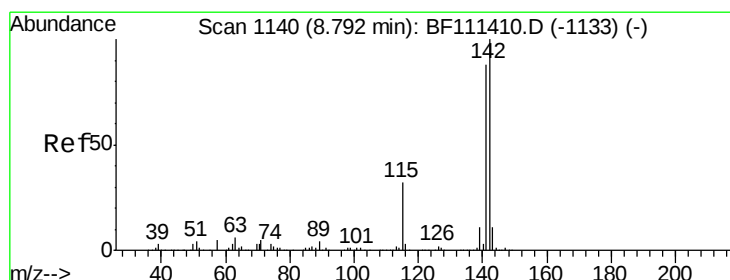
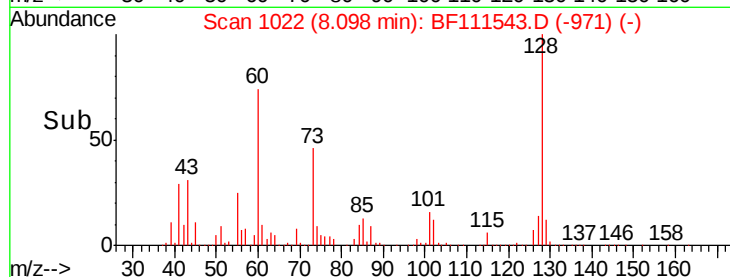
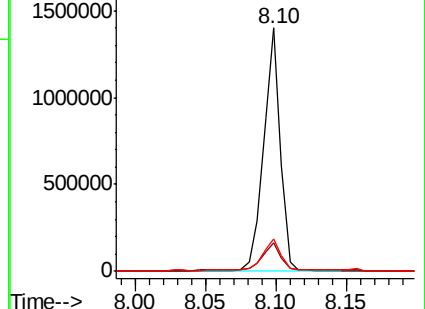
127 13.6 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 9.125 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

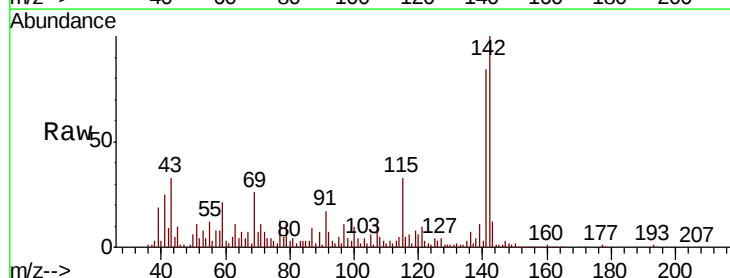
Tgt Ion:142 Resp: 177251

Ion Ratio Lower Upper

142 100

141 83.5 70.6 105.8

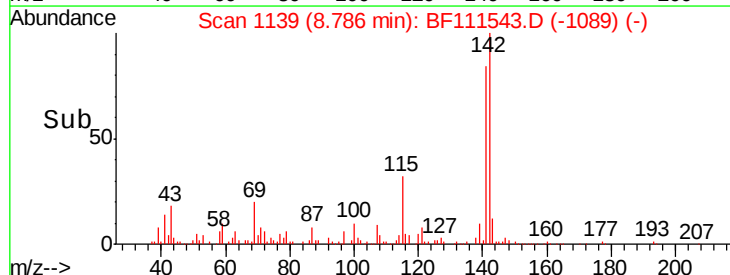
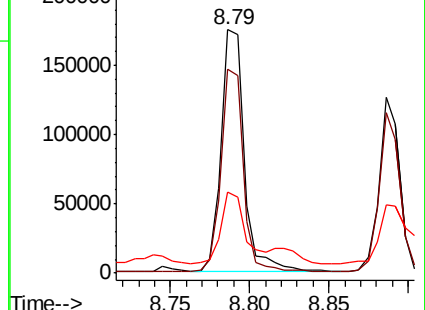
115 33.3 27.0 40.6

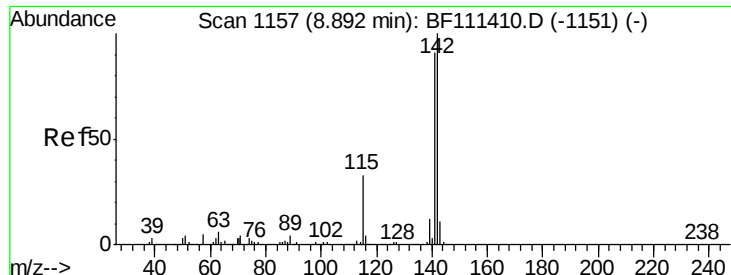


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

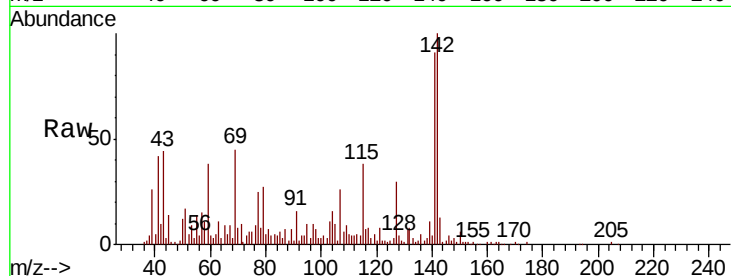




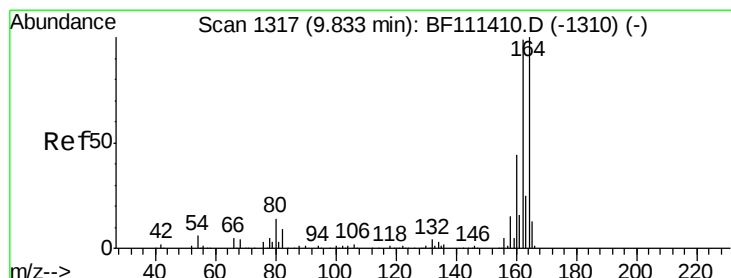
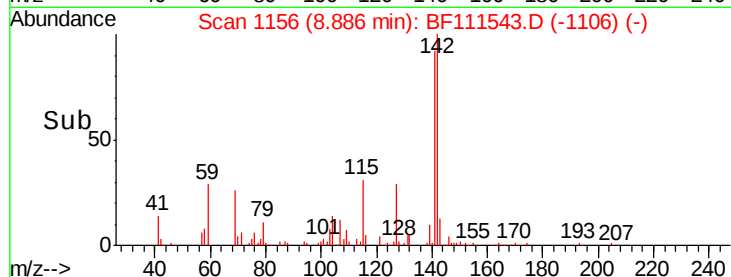
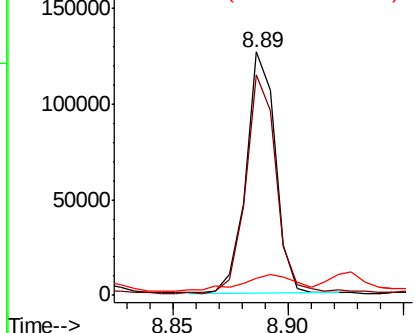
#38
1-Methylnaphthalene
Concen: 5.979 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF111543.D
Acq: 17 Dec 2018 17:13

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tot Ion:142 Resp: 112208
Ion Ratio Lower Upper
142 100
141 90.7 74.2 111.4
116 7.2 2.9 4.3#

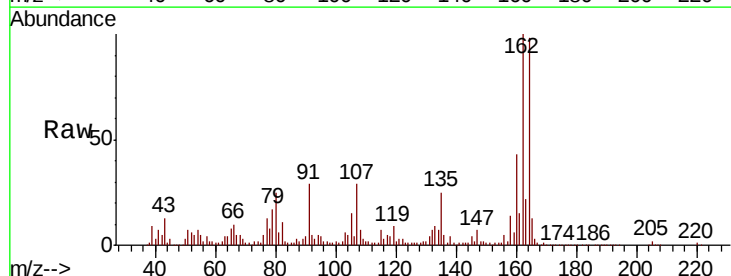


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

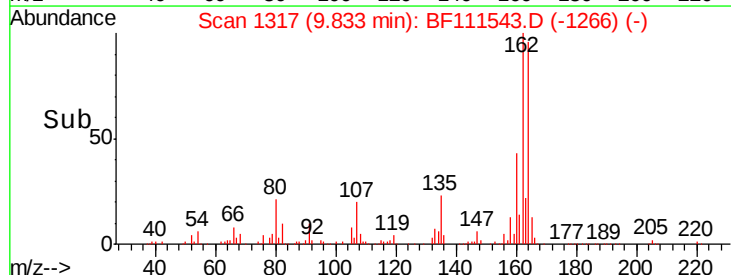
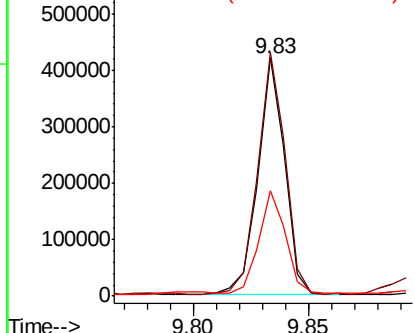


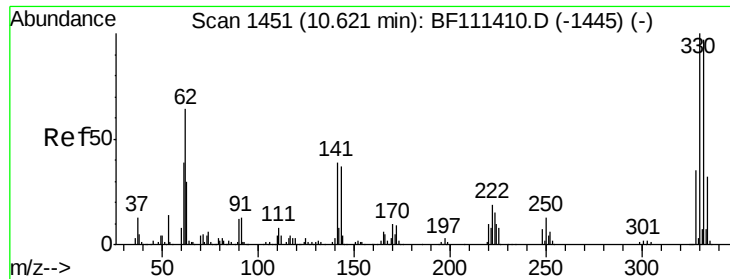
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111543.D
Acq: 17 Dec 2018 17:13

Tgt Ion:164 Resp: 341350
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.0
160 44.3 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

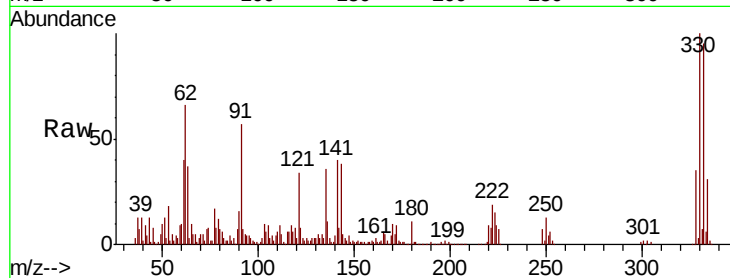




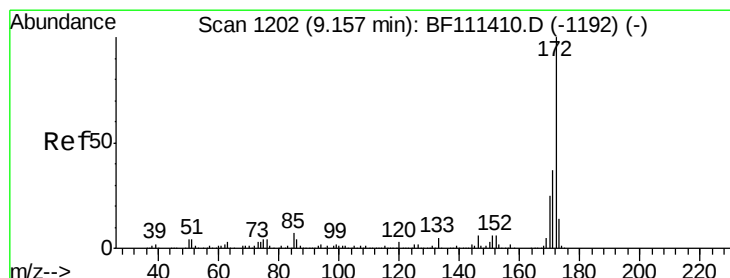
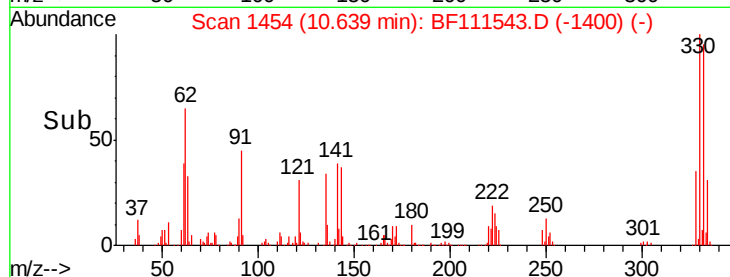
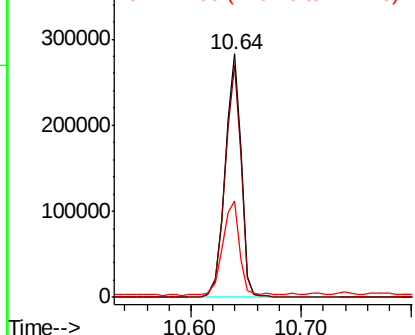
#42
 2,4,6-Tribromophenol
 Concen: 94.015 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.02 min
 Lab File: BF111543.D
 Acq: 17 Dec 2018 17:13

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Tot Ion:330 Resp: 287477
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.0 114.0
 141 40.7 31.0 46.6

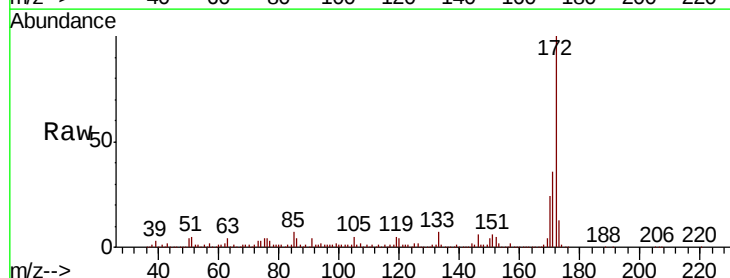


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

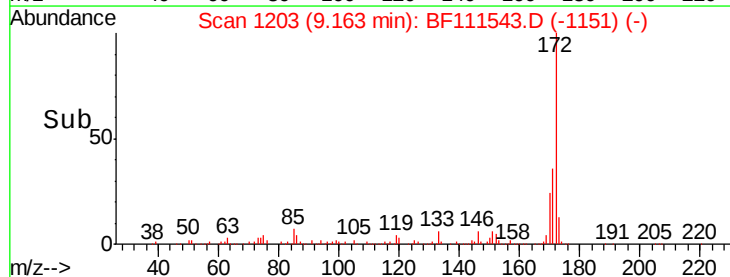
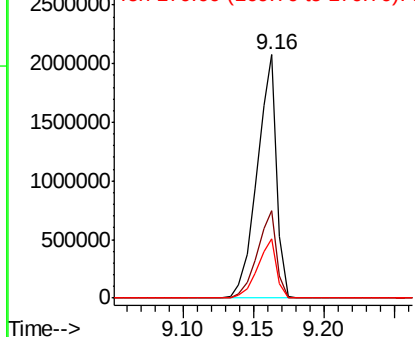


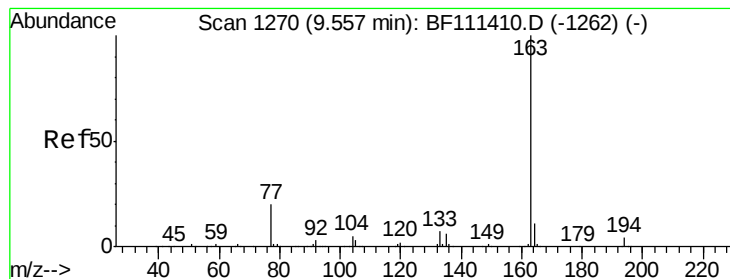
#45
 2-Fluorobiphenyl
 Concen: 91.339 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: BF111543.D
 Acq: 17 Dec 2018 17:13

Tgt Ion:172 Resp: 2018510
 Ion Ratio Lower Upper
 172 100
 171 36.0 33.0 49.4
 170 24.4 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: 15.781 ng

RT: 9.56 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

Instrument :

BNA_F

ClientSampleId :

COMP-3

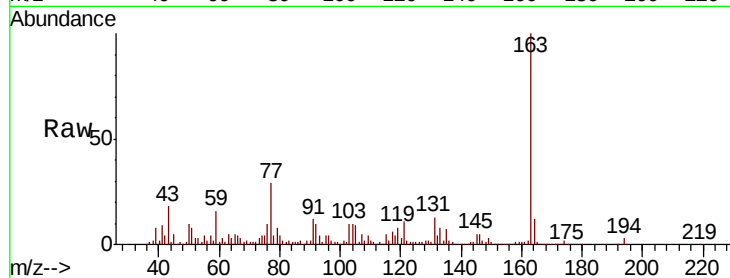
Tot Ion:163 Resp: 387953

Ion Ratio Lower Upper

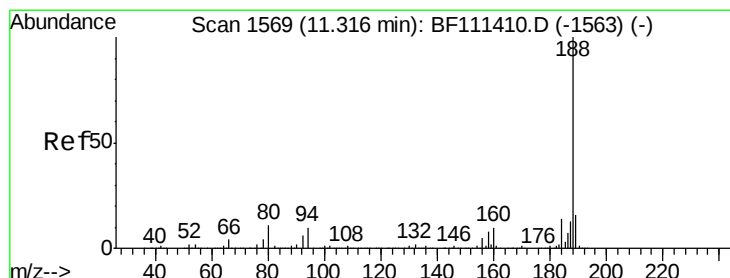
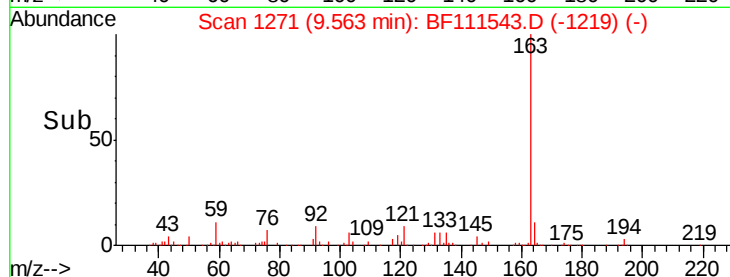
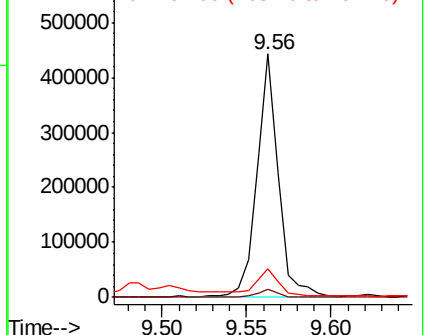
163 100

194 3.5 3.0 4.6

164 11.8 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: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

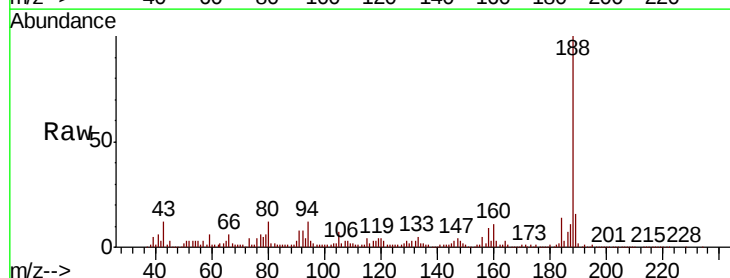
Tgt Ion:188 Resp: 349136

Ion Ratio Lower Upper

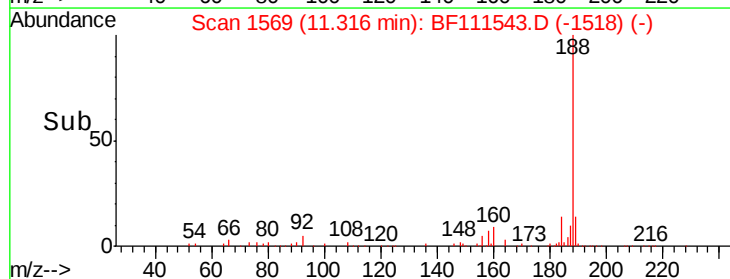
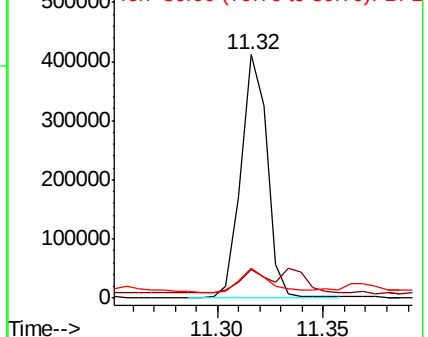
188 100

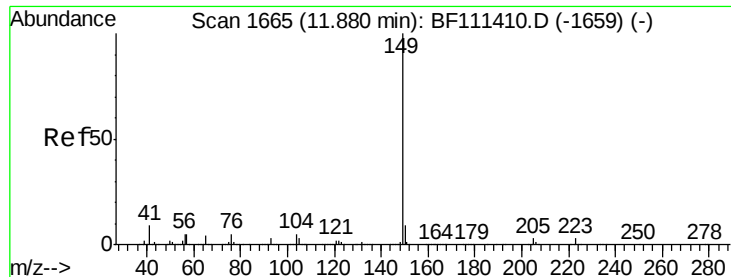
94 11.7 9.6 14.4

80 12.5 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





#74

Di-n-butylphthalate

Concen: 2.527 ng

RT: 11.88 min Scan# 1665

Delta R.T. 0.00 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

Instrument :

BNA_F

ClientSampleID :

COMP-3

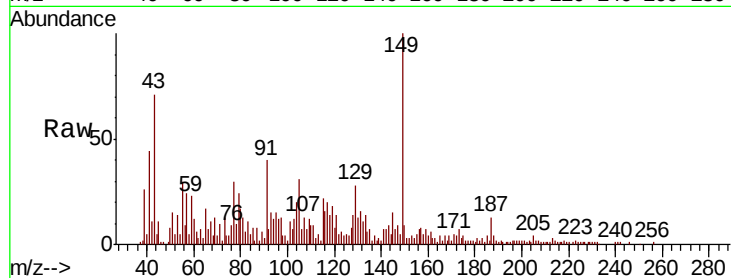
Tot Ion:149 Resp: 53538

Ion Ratio Lower Upper

149 100

150 9.1 8.8 13.2

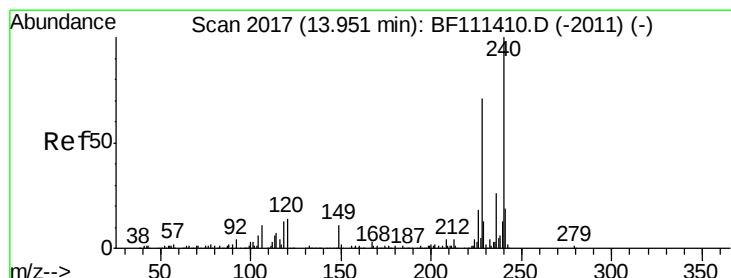
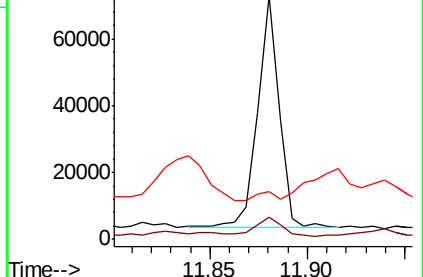
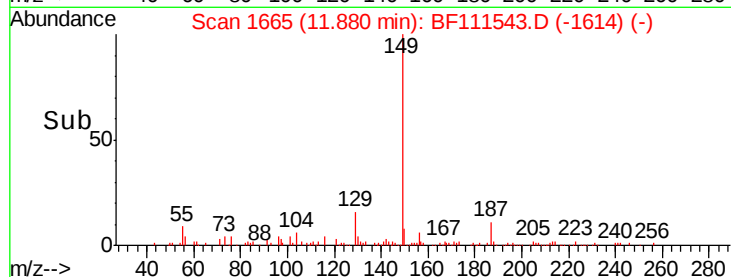
104 19.7 4.5 6.7#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

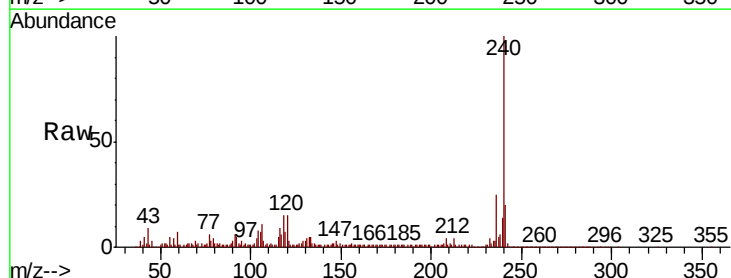
Tgt Ion:240 Resp: 366610

Ion Ratio Lower Upper

240 100

120 15.4 12.2 18.2

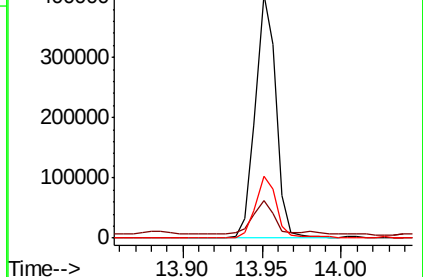
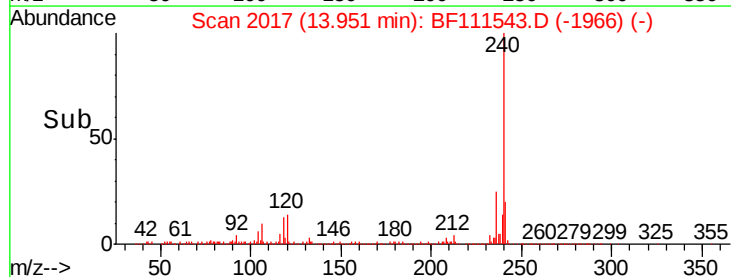
236 25.2 20.2 30.2

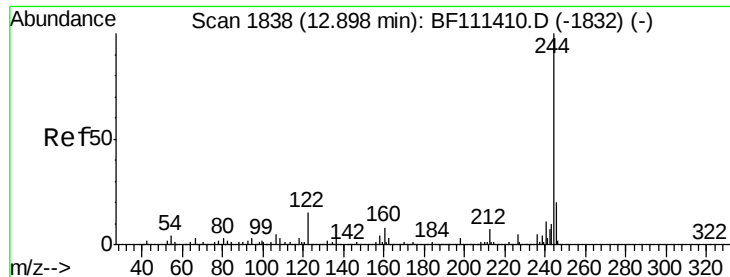


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 72.198 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

Instrument :

BNA_F

ClientSampleId :

COMP-3

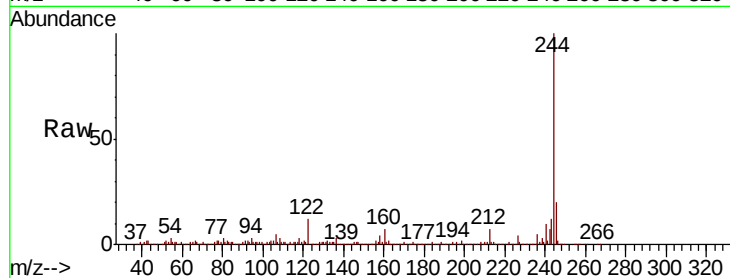
Tot Ion:244 Resp: 1127169

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

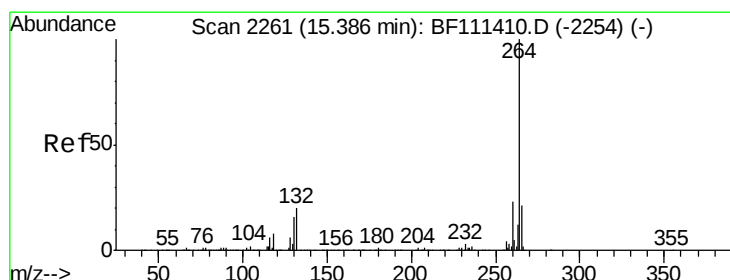
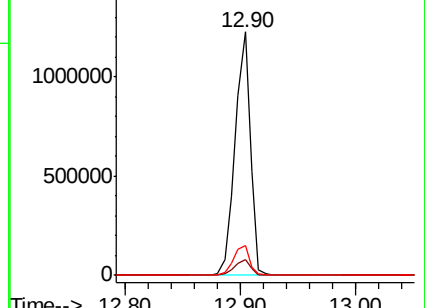
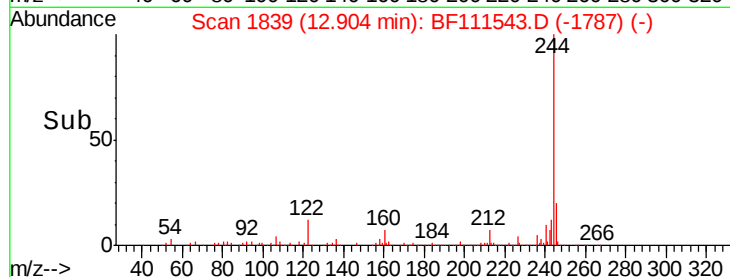
122 12.0 13.1 19.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF111543.D

Acq: 17 Dec 2018 17:13

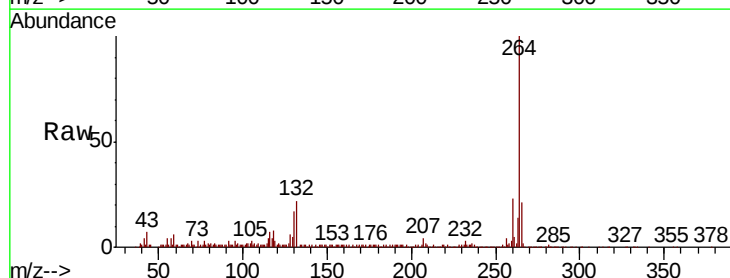
Tgt Ion:264 Resp: 391661

Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 21.2 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

