

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
 Data File : BF112400.D
 Acq On : 5 Feb 2019 17:15
 Operator : JU/SJ
 Sample : K1341-03 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-B

Quant Time: Feb 05 22:29:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	174571	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	650829	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	297867	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	501266	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	361752	20.00	ng	-0.01
87) Perylene-d12	15.47	264	300197	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	106790	12.99	ng	-0.02
7) Phenol-d6	6.48	99	141729	12.41	ng	-0.01
23) Nitrobenzene-d5	7.39	82	85503	7.57	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	33879	9.77	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	183066	8.69	ng	-0.02
79) Terphenyl-d14	12.93	244	147333	7.67	ng	-0.02

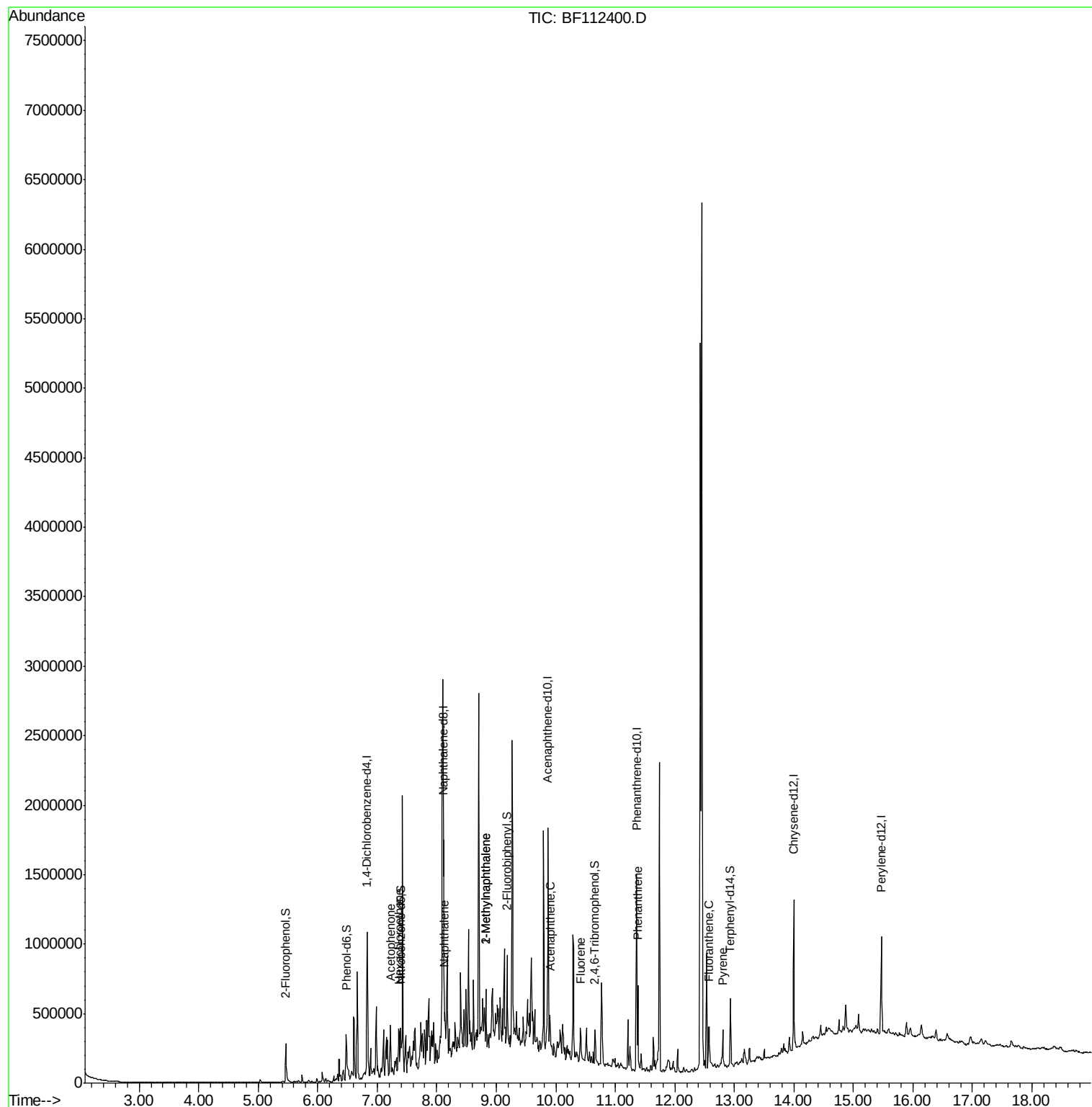
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.36	117	13485	2.898	ng	# 1
22) Acetophenone	7.23	105	42911	2.708	ng	# 56
31) Naphthalene	8.13	128	83379	2.740	ng	98
37) 2-Methylnaphthalene	8.83	142	107715	5.170	ng	97
38) 1-Methylnaphthalene	8.83	142	107715	5.394	ng	99
52) Acenaphthene	9.90	154	38317	2.167	ng	96
58) Fluorene	10.42	166	55798	2.760	ng	98
71) Phenanthrene	11.38	178	214297	8.223	ng	97
75) Fluoranthene	12.57	202	106338	3.804	ng	96
78) Pyrene	12.80	202	68692	2.743	ng	99

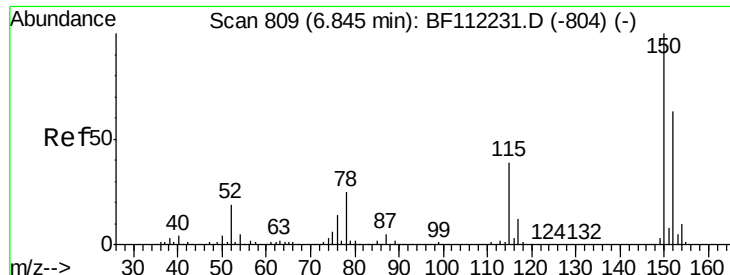
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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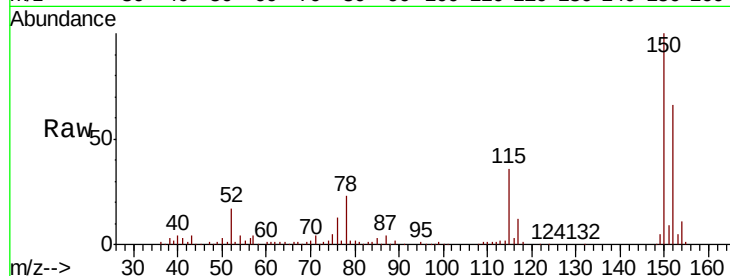


#1

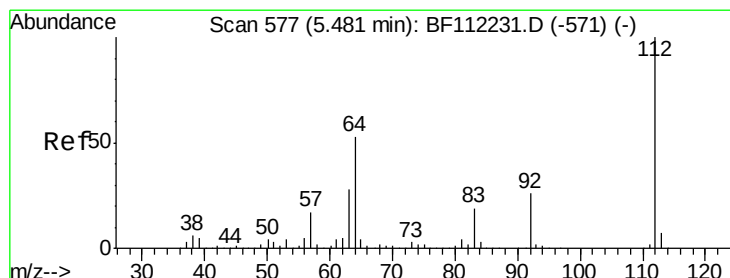
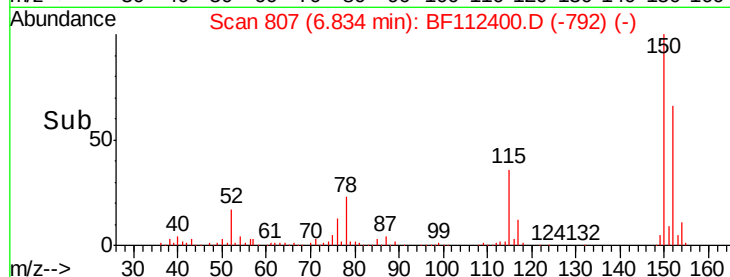
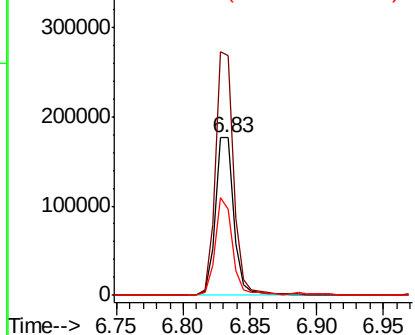
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-B

Tgt Ion:152 Resp: 174571
Ion Ratio Lower Upper
152 100
150 152.4 127.4 191.0
115 54.7 45.5 68.3



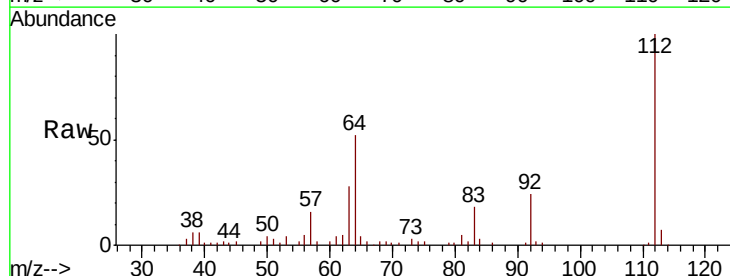
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



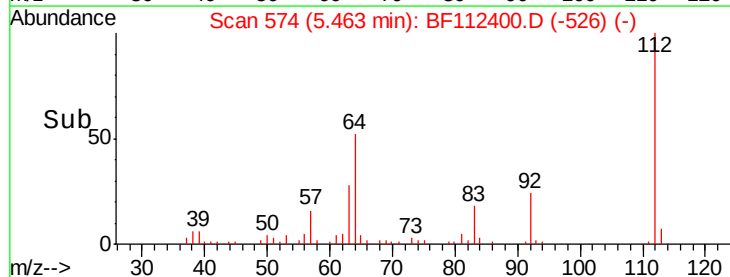
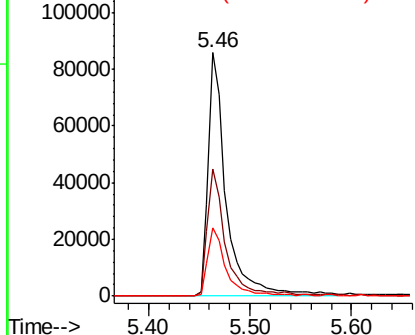
#5

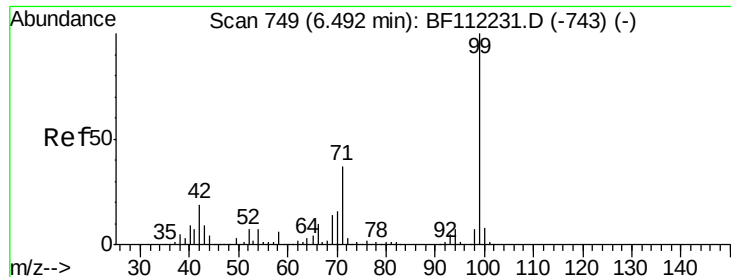
2-Fluorophenol
Concen: 12.994 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

Tgt Ion:112 Resp: 106790
Ion Ratio Lower Upper
112 100
64 52.4 45.7 68.5
63 27.8 23.6 35.4



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: 12.410 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112400.D

Acq: 5 Feb 2019 17:15

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-B

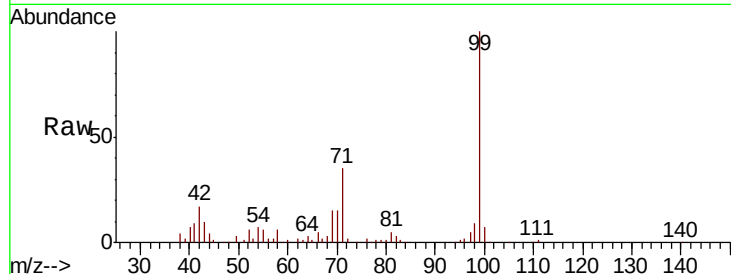
Tgt Ion: 99 Resp: 141729

Ion Ratio Lower Upper

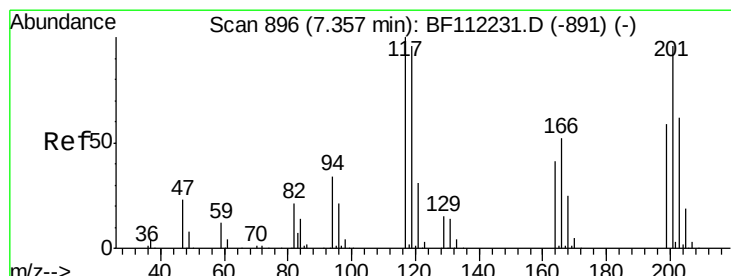
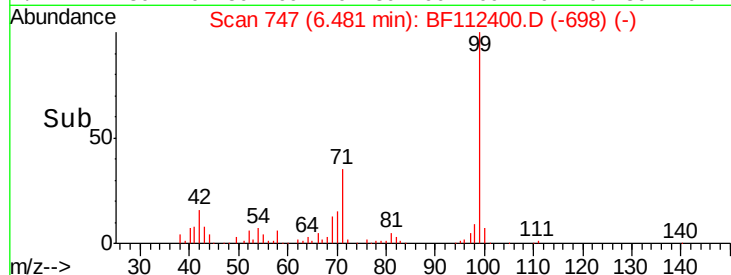
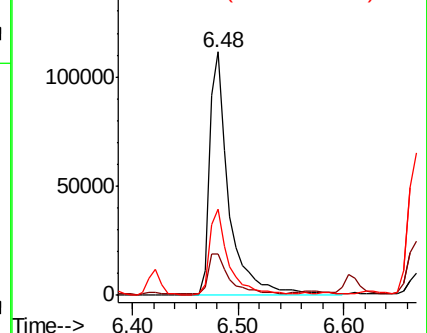
99 100

42 16.9 15.1 22.7

71 35.4 26.9 40.3



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



#18

Hexachloroethane

Concen: 2.898 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.01 min

Lab File: BF112400.D

Acq: 5 Feb 2019 17:15

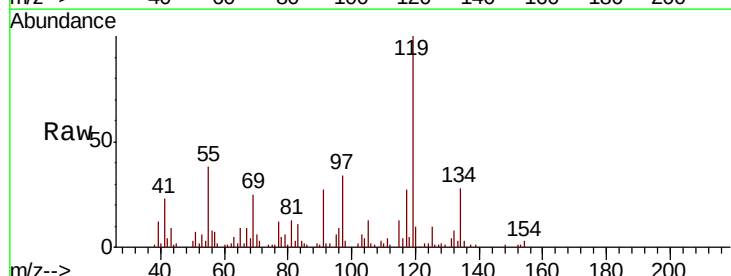
Tgt Ion: 117 Resp: 13485

Ion Ratio Lower Upper

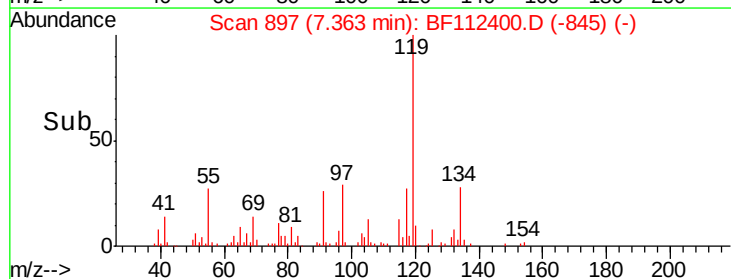
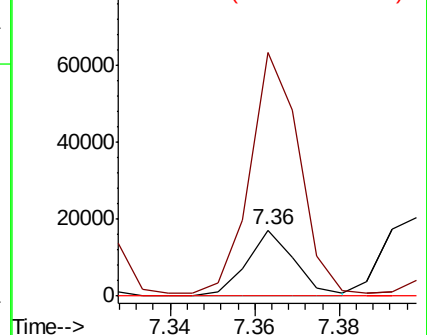
117 100

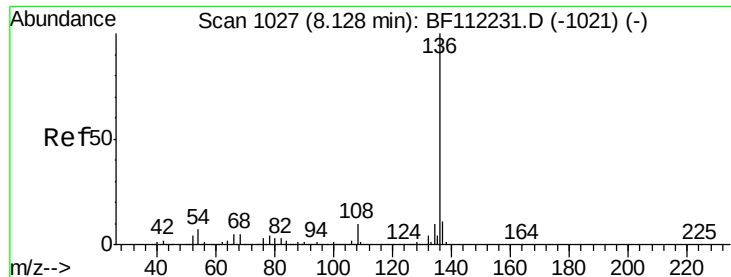
119 369.4 77.0 115.4#

201 0.0 74.1 111.1#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

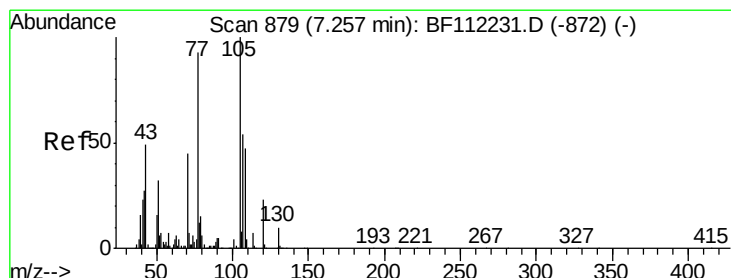
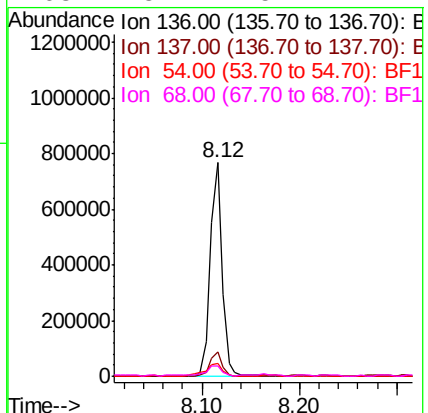
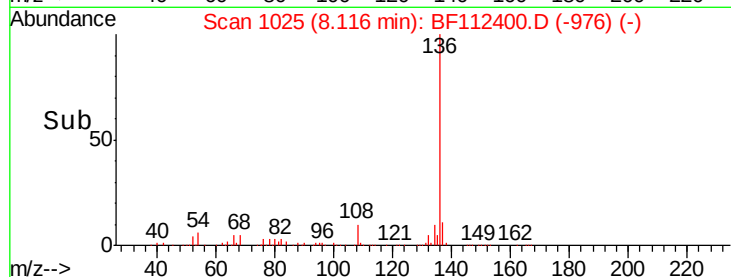
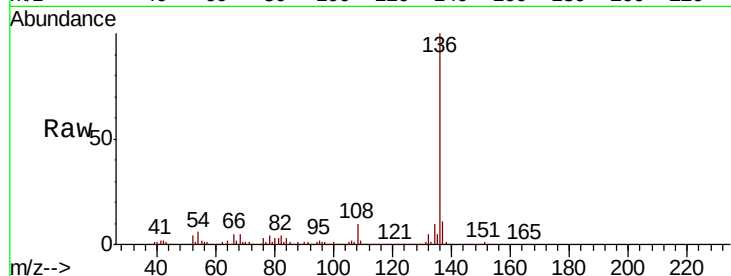




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

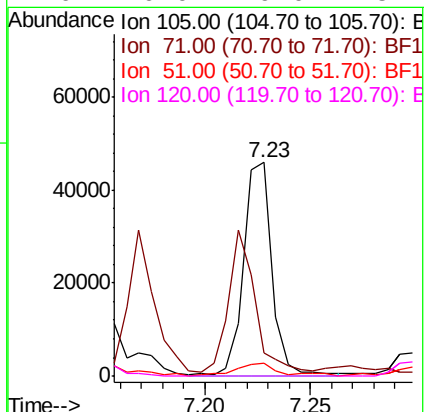
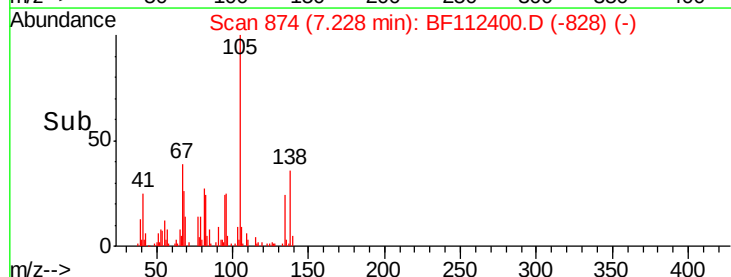
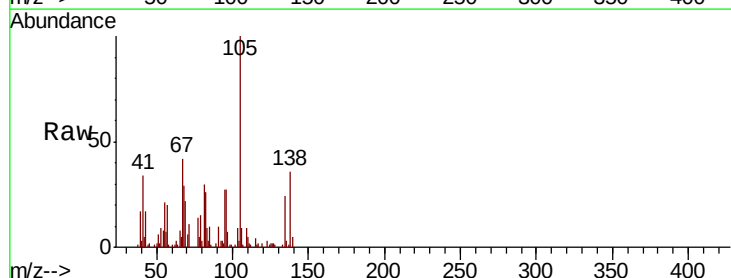
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HR-05-020419-B

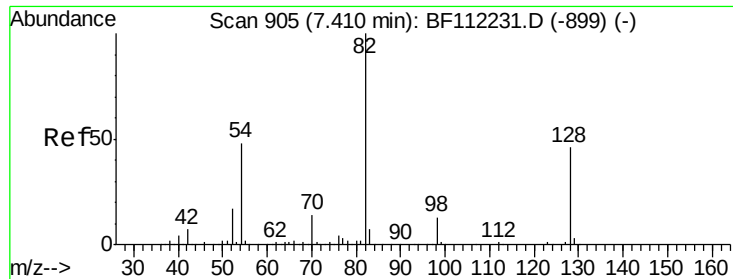
Tgt Ion:	136	Resp:	650829
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.3	5.9	8.9
68	5.1	5.1	7.7#



#22
Acetophenone
Concen: 2.708 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.03 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

Tgt Ion:	105	Resp:	42911
Ion	Ratio	Lower	Upper
105	100		
71	10.9	4.6	6.8#
51	6.2	25.0	37.6#
120	0.0	19.0	28.4#

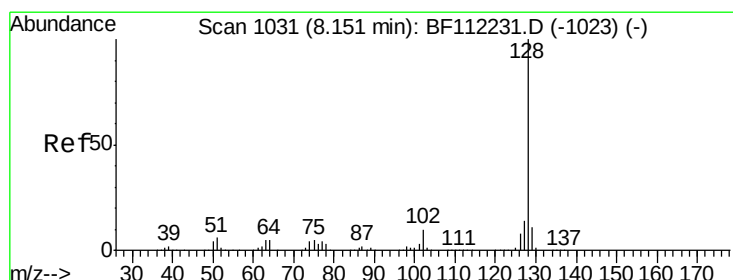
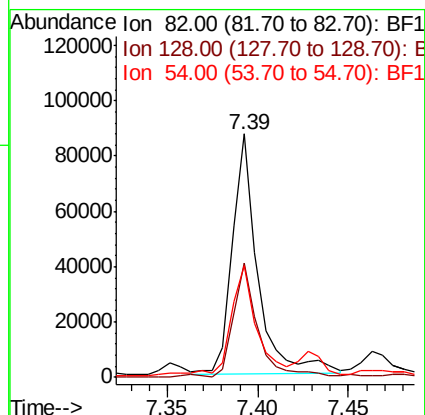
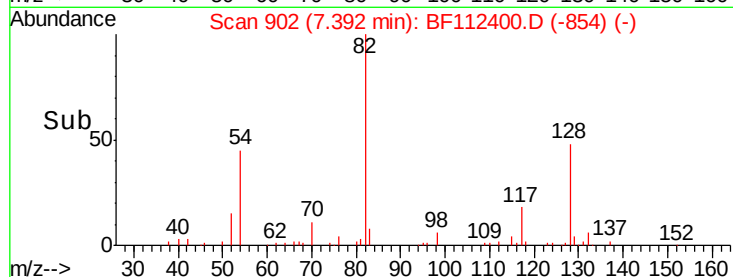
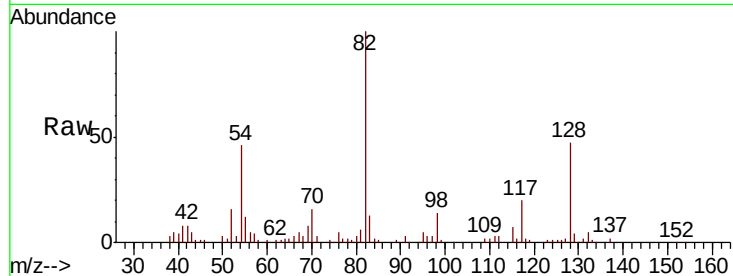




#23
 Nitrobenzene-d5
 Concen: 7.570 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: BF112400.D
 Acq: 5 Feb 2019 17:15

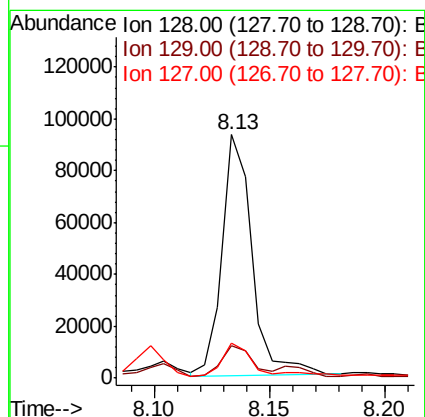
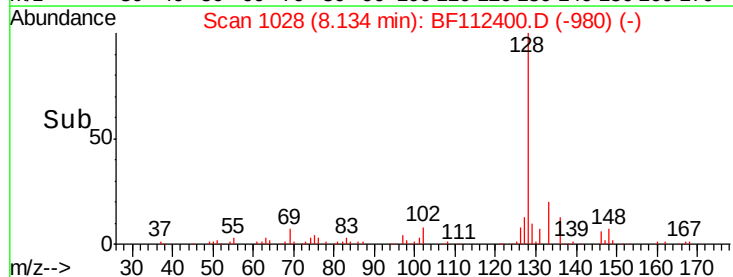
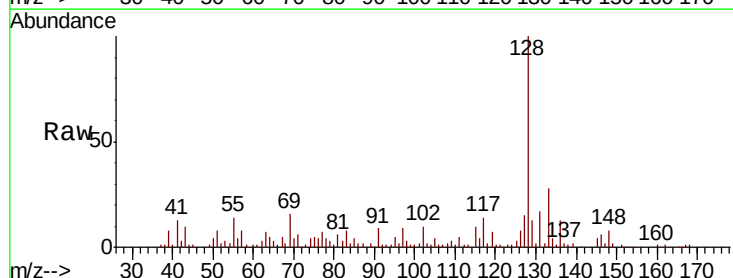
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-020419-B

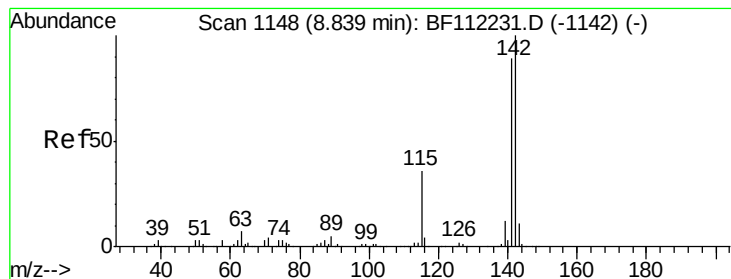
Tgt Ion: 82 Resp: 85503
 Ion Ratio Lower Upper
 82 100
 128 46.8 37.8 56.8
 54 45.7 39.7 59.5



#31
 Naphthalene
 Concen: 2.740 ng
 RT: 8.13 min Scan# 1028
 Delta R.T. -0.02 min
 Lab File: BF112400.D
 Acq: 5 Feb 2019 17:15

Tgt Ion: 128 Resp: 83379
 Ion Ratio Lower Upper
 128 100
 129 13.3 9.6 14.4
 127 14.6 11.1 16.7





#37

2-Methylnaphthalene

Concen: 5.170 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF112400.D

Acq: 5 Feb 2019 17:15

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-B

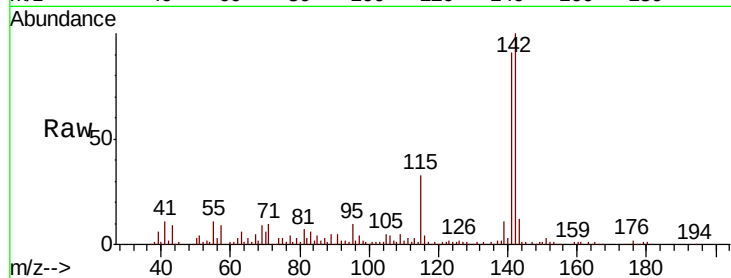
Tgt Ion:142 Resp: 107715

Ion Ratio Lower Upper

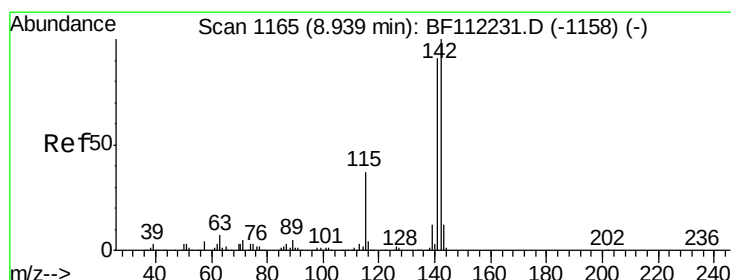
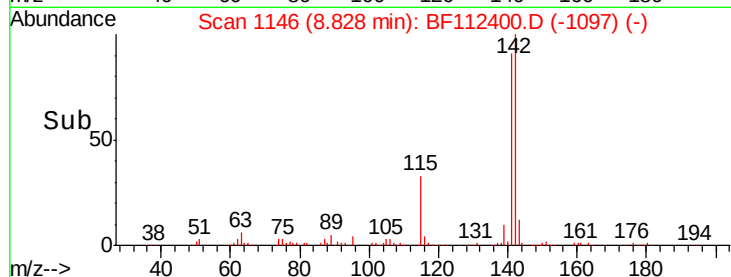
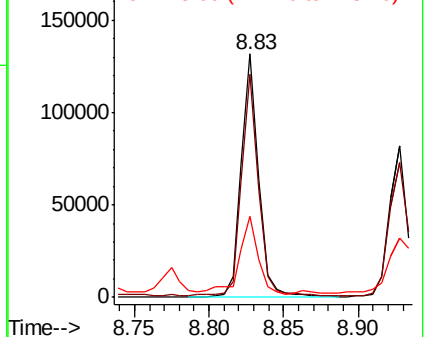
142 100

141 91.4 70.9 106.3

115 33.4 24.9 37.3



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: 5.394 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.11 min

Lab File: BF112400.D

Acq: 5 Feb 2019 17:15

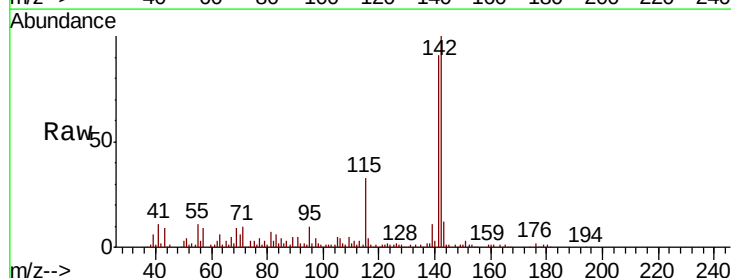
Tgt Ion:142 Resp: 107715

Ion Ratio Lower Upper

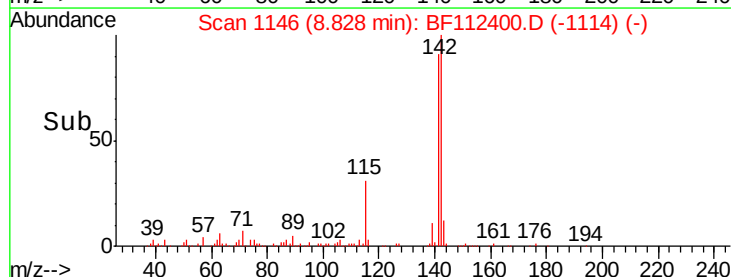
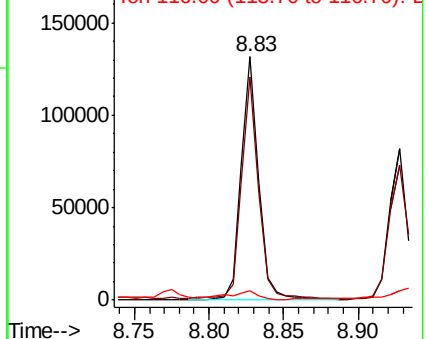
142 100

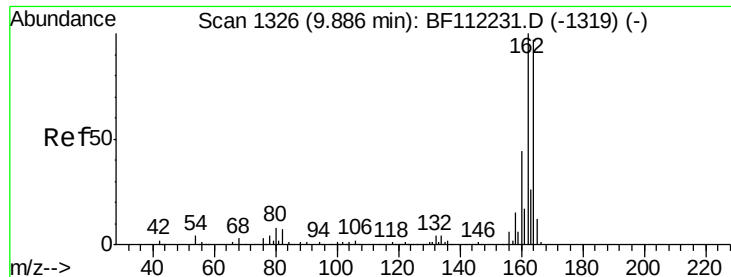
141 91.4 72.6 108.8

116 3.9 2.8 4.2



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

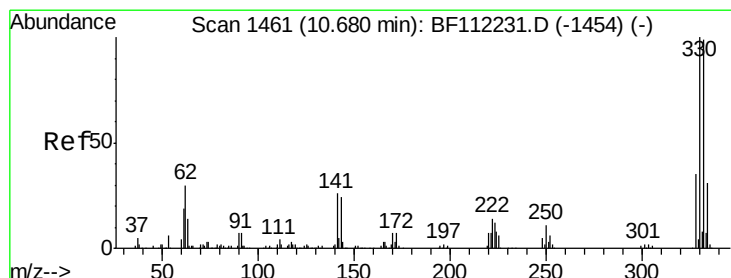
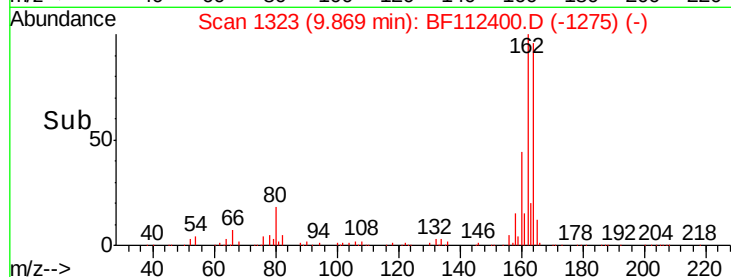
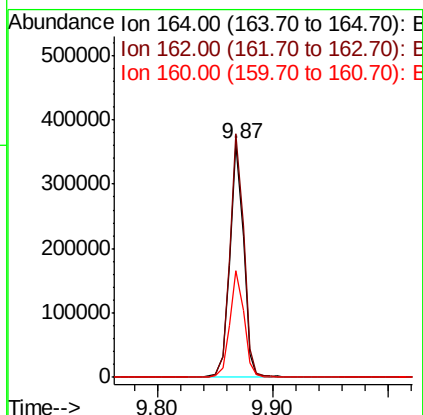
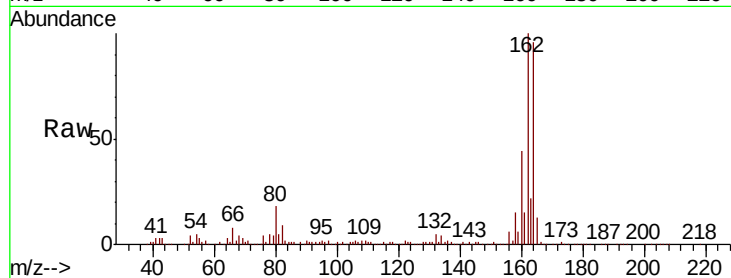




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112400.D
 Acq: 5 Feb 2019 17:15

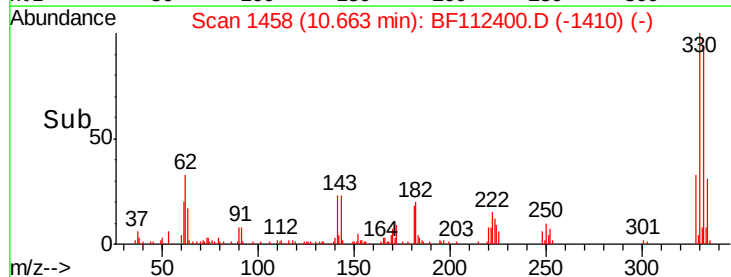
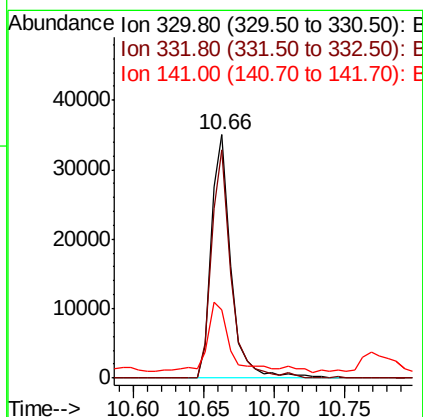
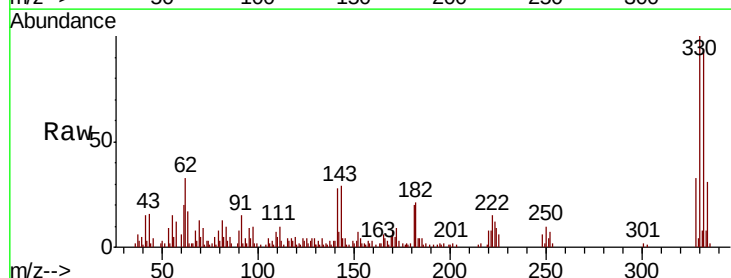
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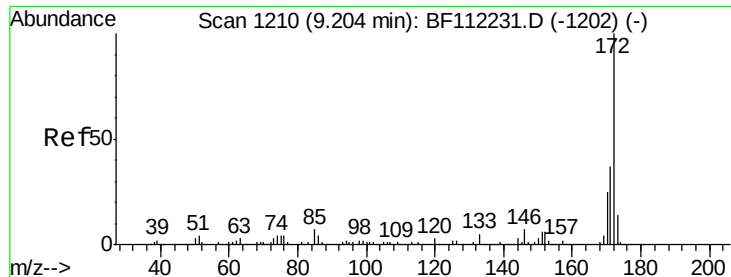
Tgt Ion:164 Resp: 297867
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.2 123.4
 160 45.9 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 9.772 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112400.D
 Acq: 5 Feb 2019 17:15

Tgt Ion:330 Resp: 33879
 Ion Ratio Lower Upper
 330 100
 332 93.4 76.6 114.8
 141 31.1 24.3 36.5

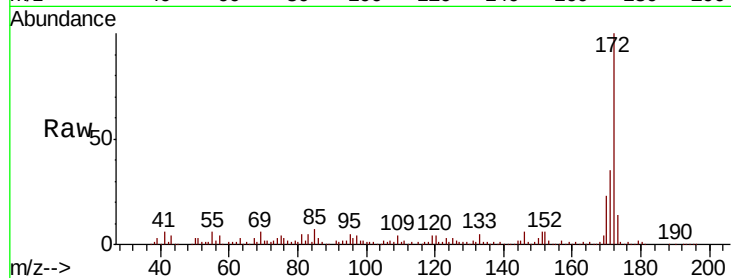




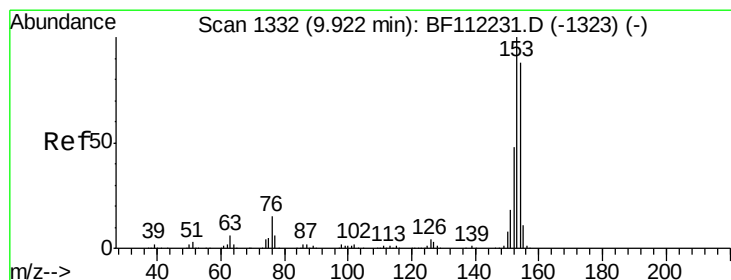
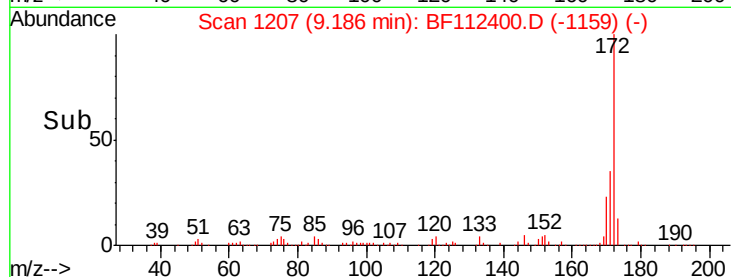
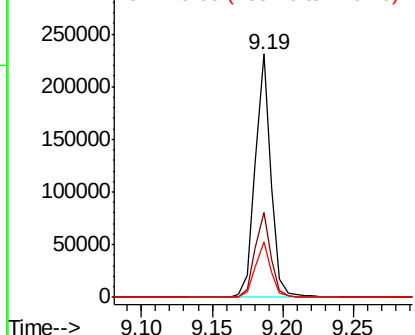
#45
2-Fluorobiphenyl
Concen: 8.692 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-B

Tgt Ion:172 Resp: 183066
Ion Ratio Lower Upper
172 100
171 34.7 30.5 45.7
170 22.6 20.2 30.4

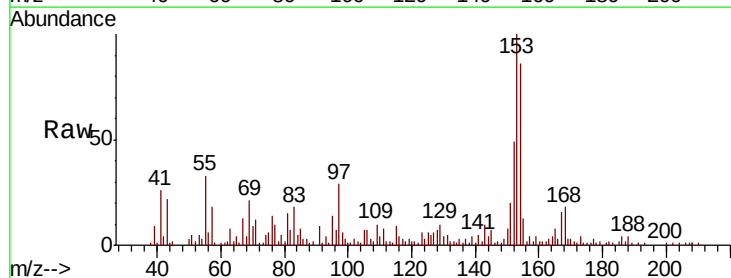


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

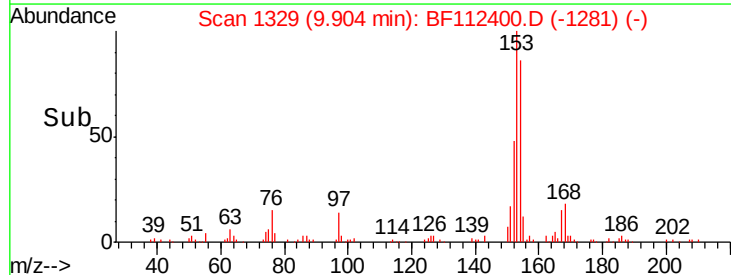
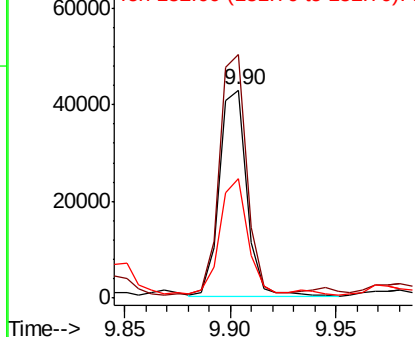


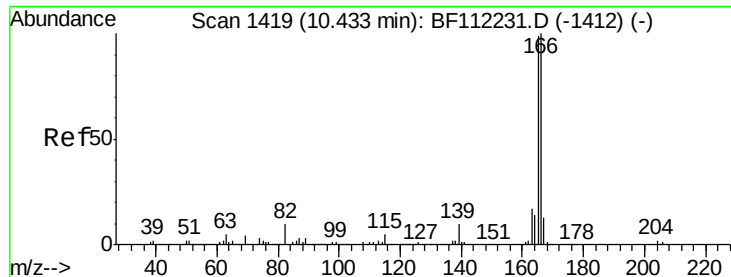
#52
Acenaphthene
Concen: 2.167 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

Tgt Ion:154 Resp: 38317
Ion Ratio Lower Upper
154 100
153 116.8 89.8 134.6
152 57.1 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#58

Fluorene

Concen: 2.760 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BF112400.D

Acq: 5 Feb 2019 17:15

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-B

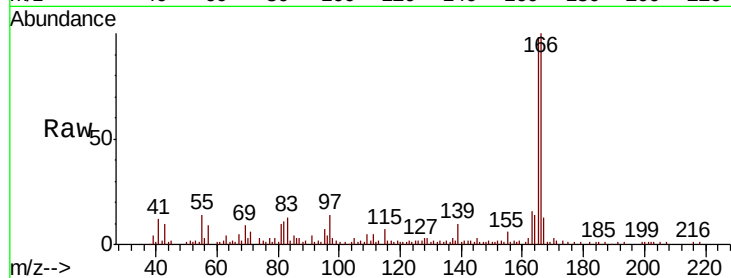
Tgt Ion:166 Resp: 55798

Ion Ratio Lower Upper

166 100

165 98.0 77.1 115.7

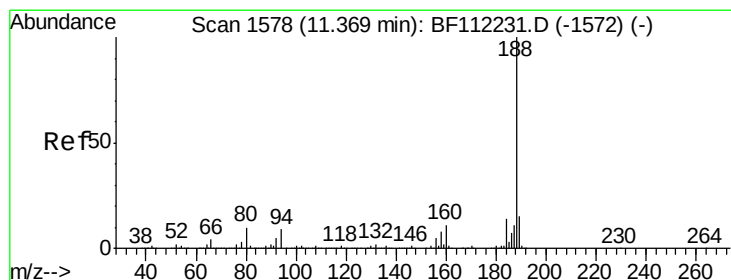
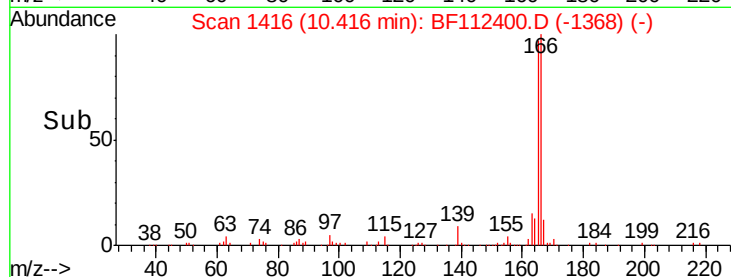
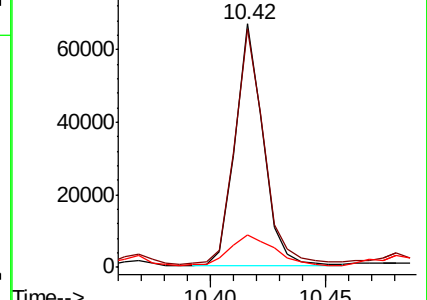
167 13.2 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112400.D

Acq: 5 Feb 2019 17:15

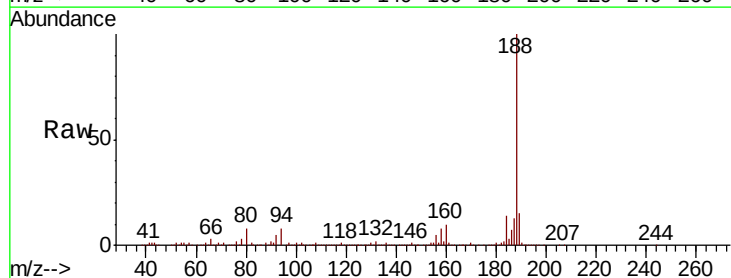
Tgt Ion:188 Resp: 501266

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

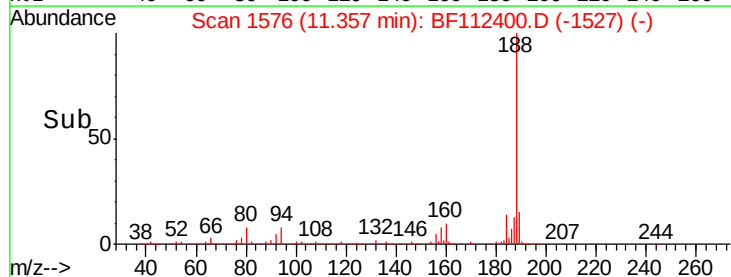
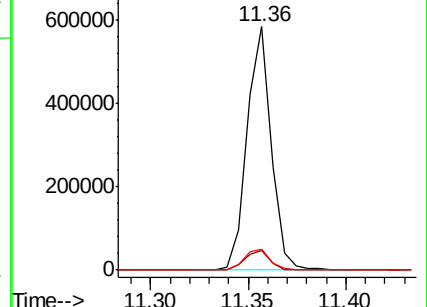
80 8.4 8.9 13.3#

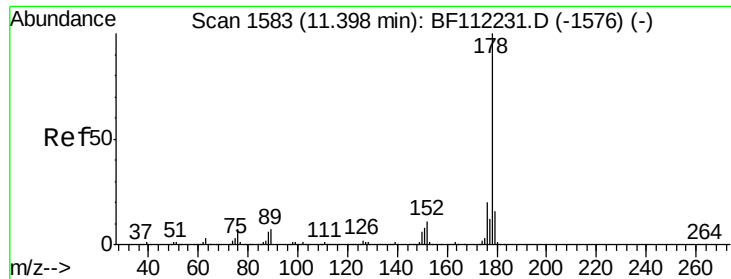


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

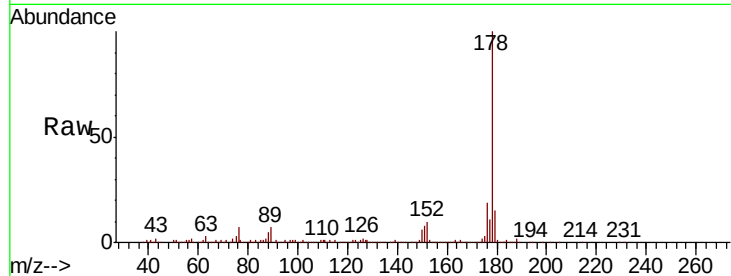




#71
Phenanthrene
Concen: 8.223 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-B

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.3	24.5
179	14.7	13.0	19.4

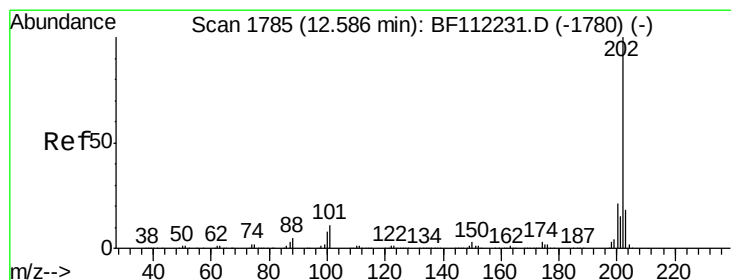
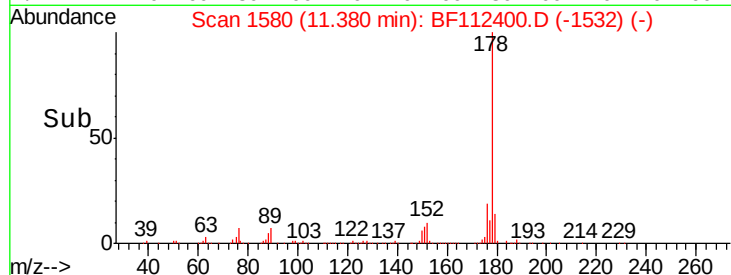
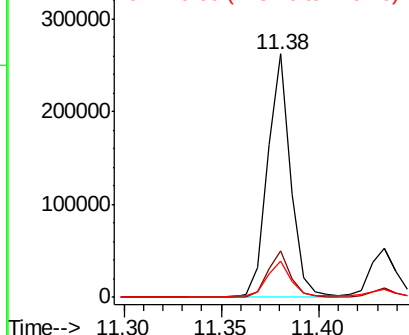


Abundance

Ion 178.00 (177.70 to 178.70): E

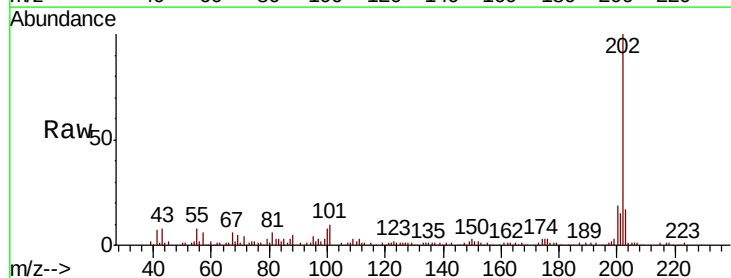
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 3.804 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.8
203	16.9	0.0	38.4

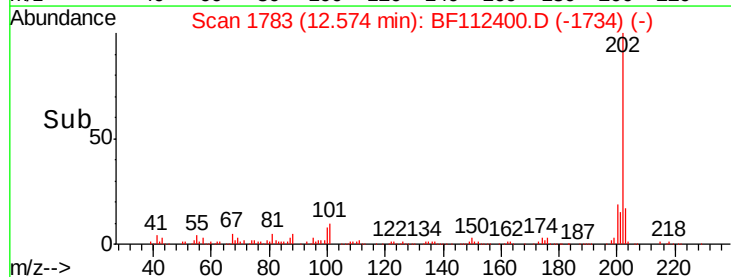
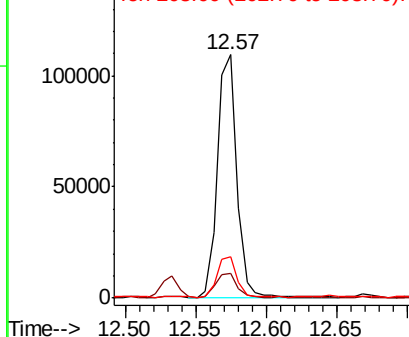


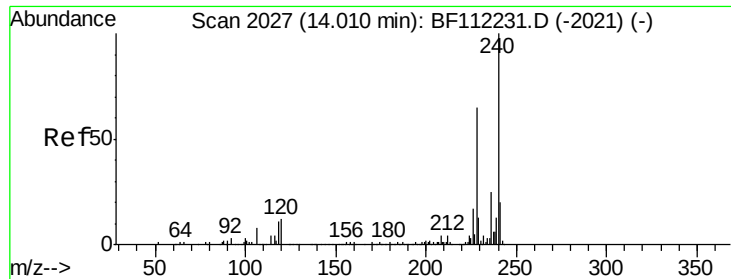
Abundance

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

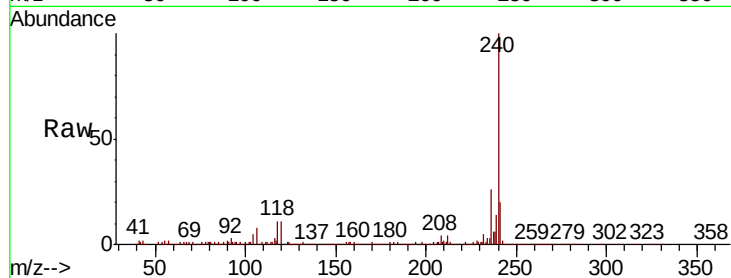




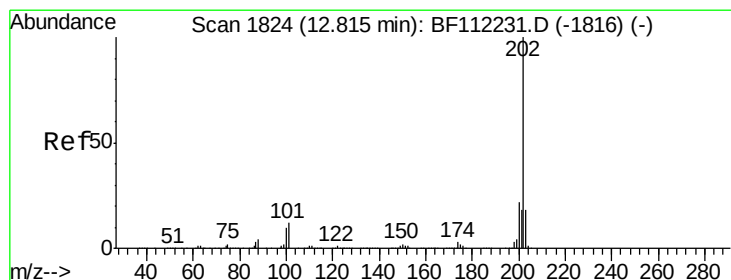
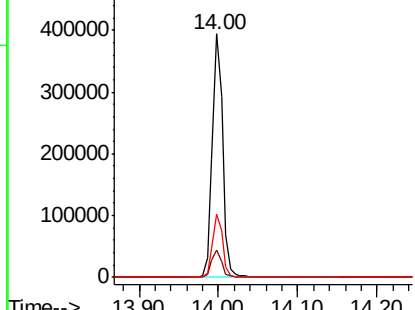
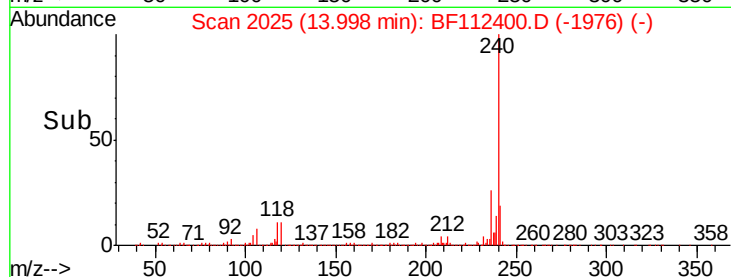
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

Instrument :
BNA_F
ClientSampleId :
HR-05-020419-B

Tgt Ion:240 Resp: 361752
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.6
236 25.7 20.7 31.1

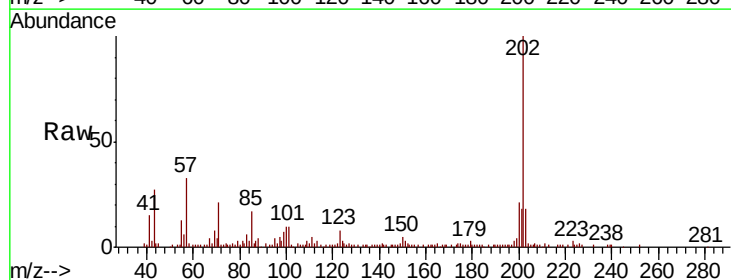


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

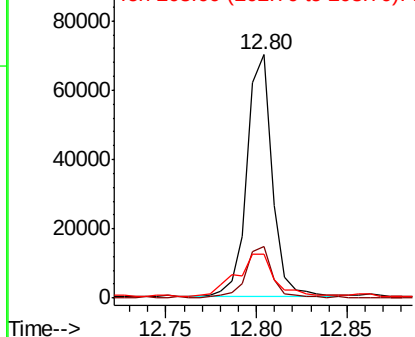
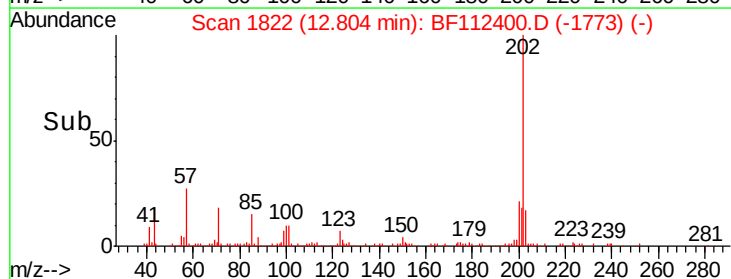


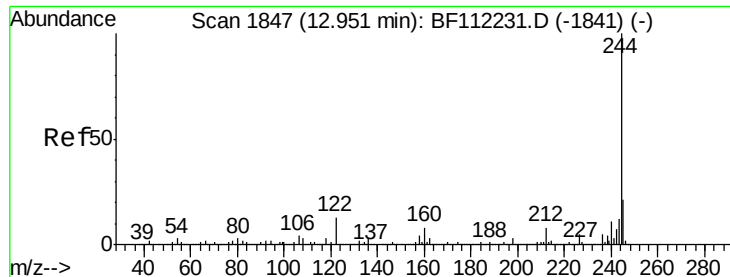
#78
Pyrene
Concen: 2.743 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112400.D
Acq: 5 Feb 2019 17:15

Tgt Ion:202 Resp: 68692
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.9 14.6 22.0



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: 7.671 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF112400.D

Acq: 5 Feb 2019 17:15

Instrument :

BNA_F

ClientSampleId :

HR-05-020419-B

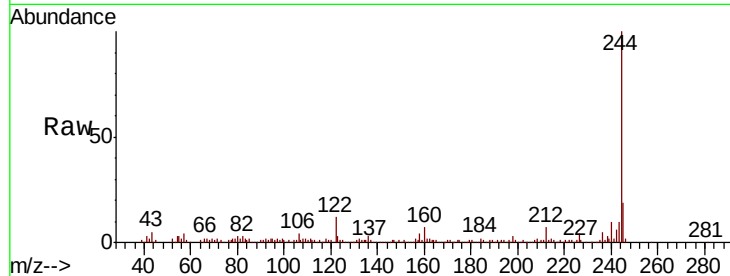
Tgt Ion:244 Resp: 147333

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

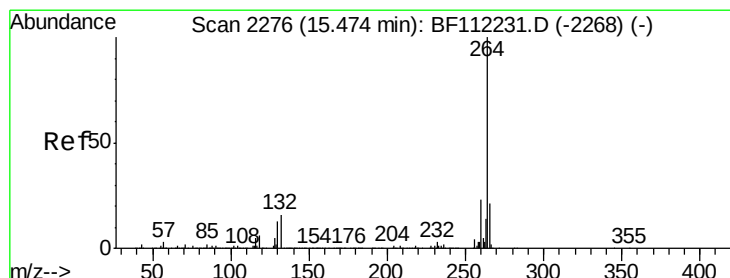
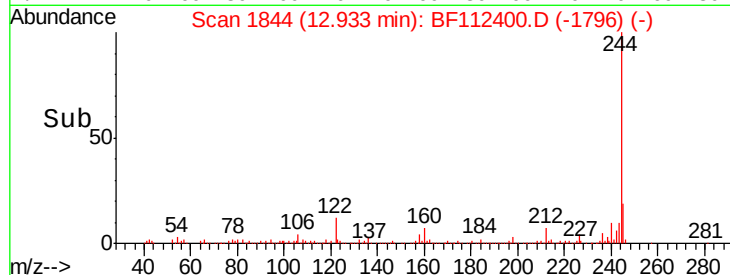
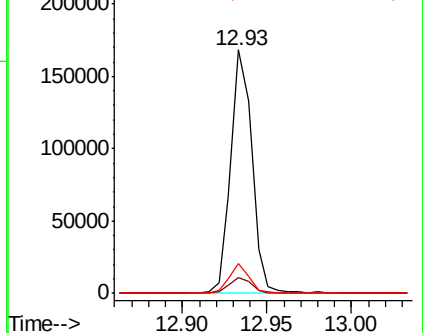
122 12.1 9.8 14.6



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: BF112400.D

Acq: 5 Feb 2019 17:15

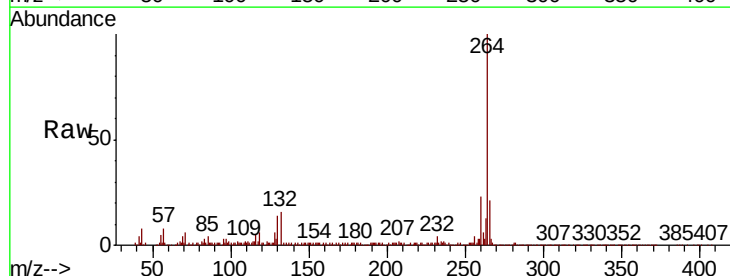
Tgt Ion:264 Resp: 300197

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.2

265 21.4 17.0 25.4



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

