

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020619\NOT REVIEWED DATA\
 Data File : BF112417.D
 Acq On : 6 Feb 2019 13:58
 Operator : JU/SJ
 Sample : K1383-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A0C5B-SS1-0.0-0.5

Quant Time: Feb 07 00:57:31 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

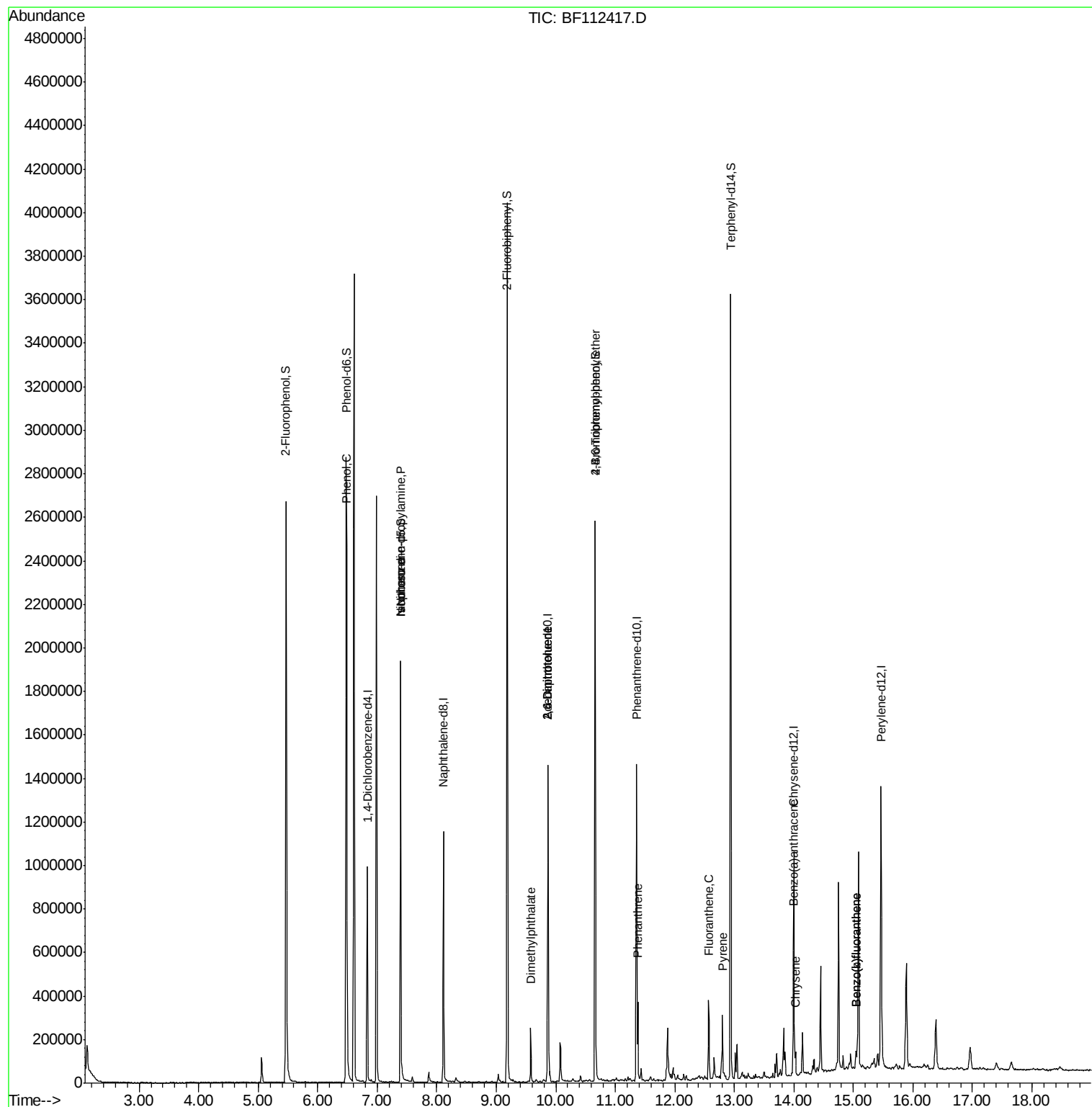
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	156303	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	591823	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	282568	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	527030	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	326318	20.00	ng	-0.01
87) Perylene-d12	15.47	264	306736	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	858743	116.70	ng	0.00
7) Phenol-d6	6.48	99	1074826	105.11	ng	-0.01
23) Nitrobenzene-d5	7.39	82	674385	65.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	328908	100.00	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1291360	64.64	ng	-0.02
79) Terphenyl-d14	12.94	244	1162753	67.11	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	79283	7.067	ng	81
19) n-Nitroso-di-n-propylamine	7.39	70	92321	13.094	ng	# 77
25) Isophorone	7.39	82	674376	41.852	ng	# 63
50) Dimethylphthalate	9.58	163	103703	4.724	ng	97
51) 2,6-Dinitrotoluene	9.87	165	37169	7.559	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	37169	5.938	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	19832	3.199	ng	# 1
71) Phenanthrene	11.38	178	129670	4.733	ng	97
75) Fluoranthene	12.57	202	138750	4.721	ng	97
78) Pyrene	12.80	202	120138	5.318	ng	99
81) Benzo(a)anthracene	13.99	228	43265	2.255	ng	99
83) Chrysene	14.03	228	39507	2.158	ng	100
88) Benzo(b)fluoranthene	15.04	252	55863	3.045	ng	97
89) Benzo(k)fluoranthene	15.04	252	55863	3.179	ng	97

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

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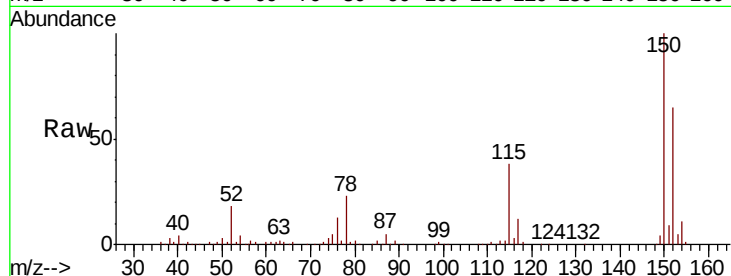


#1

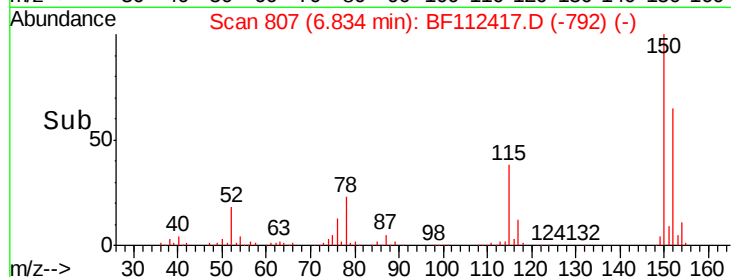
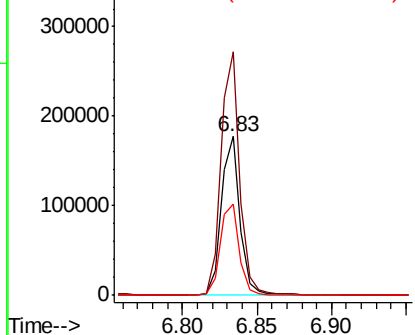
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

Instrument :
BNA_F
ClientSampleId :
A0C5B-SS1-0.0-0.5

Tgt Ion:152 Resp: 156303
Ion Ratio Lower Upper
152 100
150 153.3 127.4 191.0
115 57.5 45.5 68.3



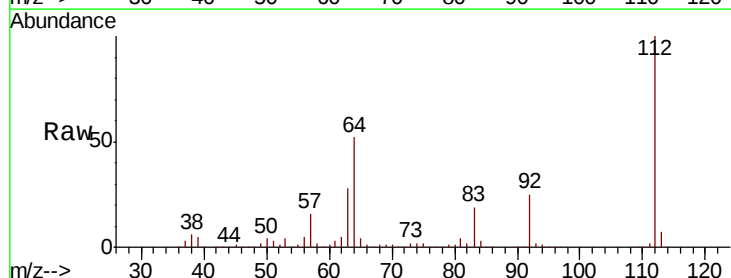
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



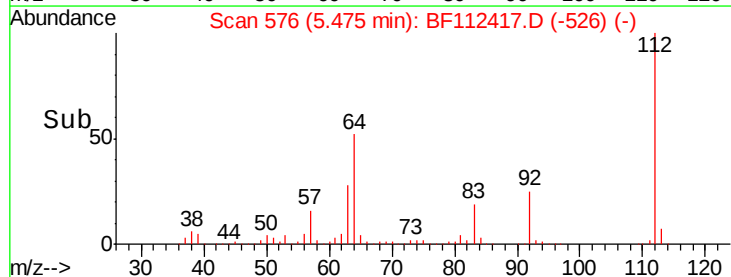
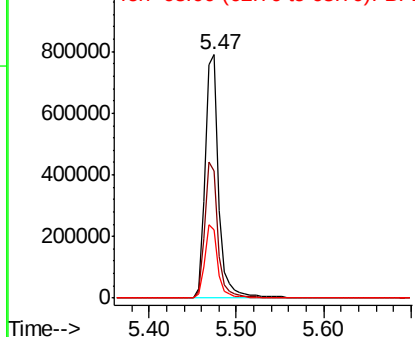
#5

2-Fluorophenol
Concen: 116.698 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

Tgt Ion:112 Resp: 858743
Ion Ratio Lower Upper
112 100
64 52.4 45.7 68.5
63 28.3 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: 105.115 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112417.D

Acq: 6 Feb 2019 13:58

Instrument :

BNA_F

ClientSampleId :

A0C5B-SS1-0.0-0.5

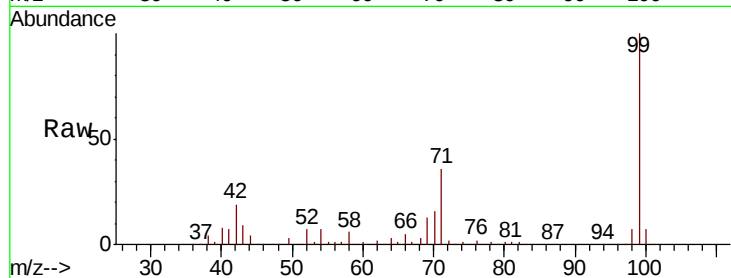
Tgt Ion: 99 Resp: 1074826

Ion Ratio Lower Upper

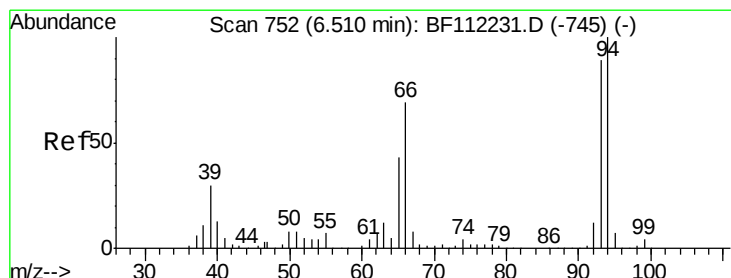
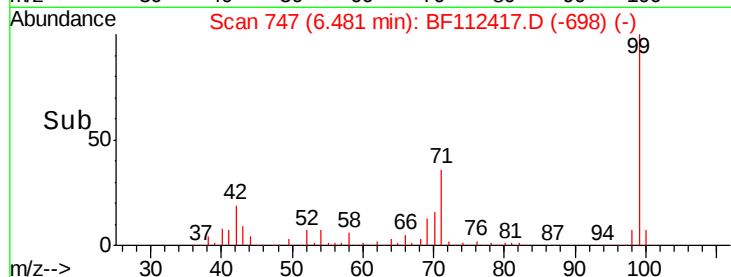
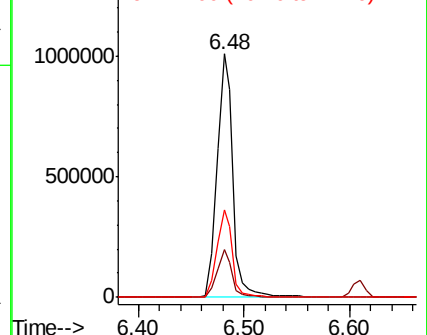
99 100

42 19.4 15.1 22.7

71 36.0 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



#10

Phenol

Concen: 7.067 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112417.D

Acq: 6 Feb 2019 13:58

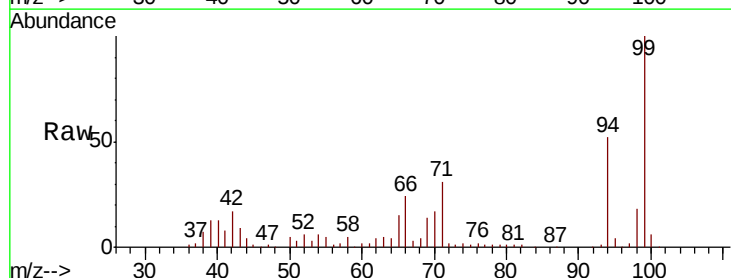
Tgt Ion: 94 Resp: 79283

Ion Ratio Lower Upper

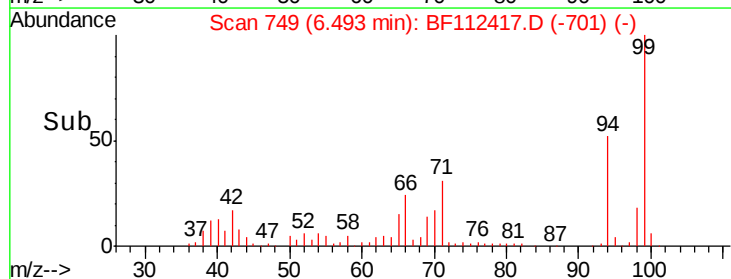
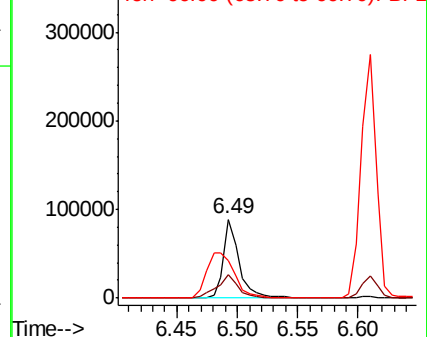
94 100

65 29.4 20.3 60.3

66 47.1 42.4 82.4



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

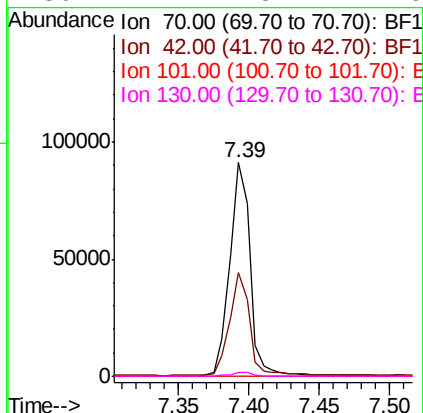
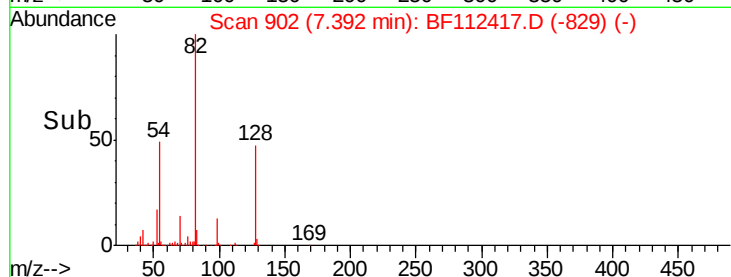
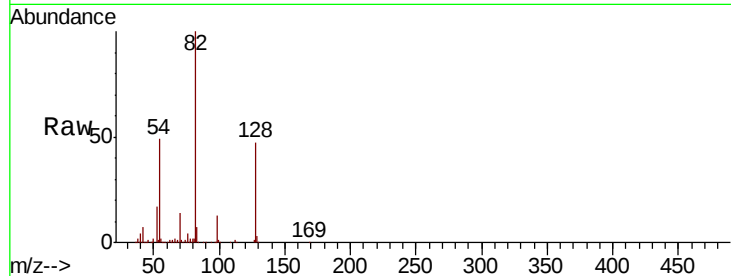




#19
n-Nitroso-di-n-propylamine
Concen: 13.094 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

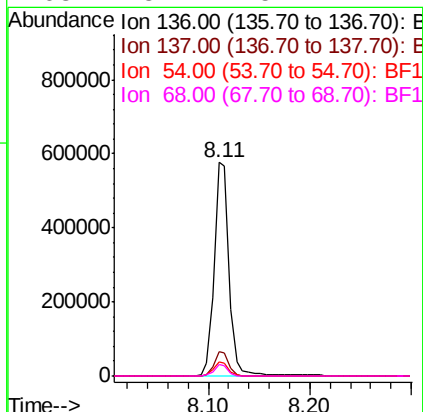
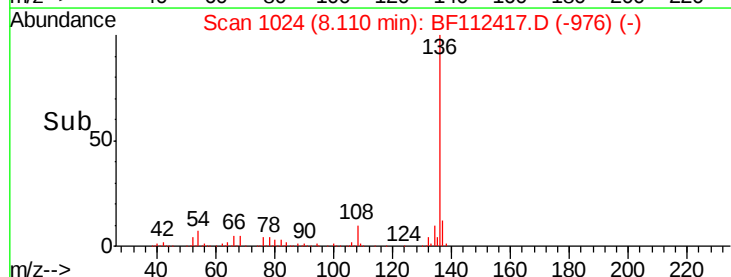
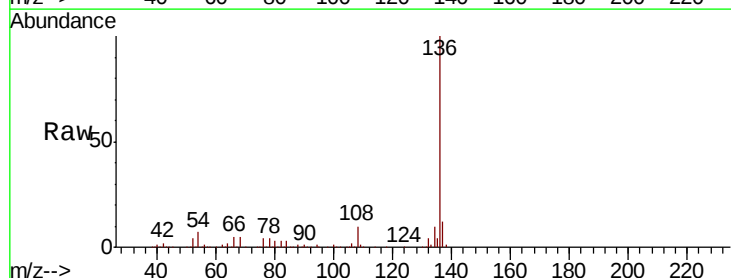
Instrument :
BNA_F
ClientSampleId :
A0C5B-SS1-0.0-0.5

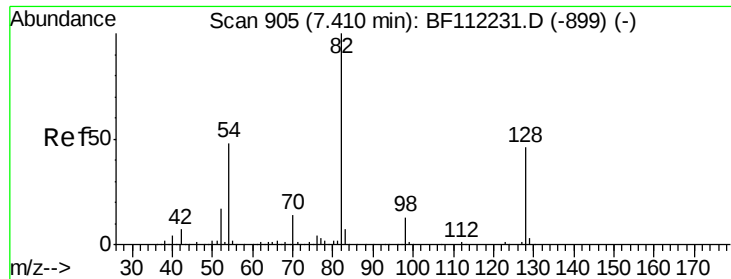
Tgt Ion: 70 Resp: 92321
Ion Ratio Lower Upper
70 100
42 48.8 47.6 71.4
101 0.0 7.9 11.9#
130 2.1 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

Tgt Ion: 136 Resp: 591823
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 6.8 5.9 8.9
68 5.4 5.1 7.7

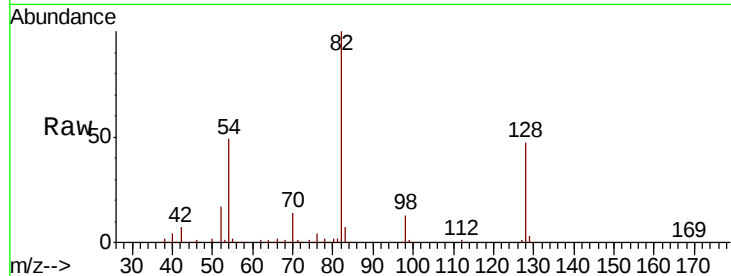




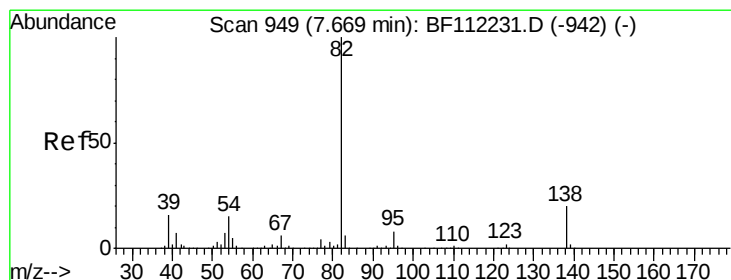
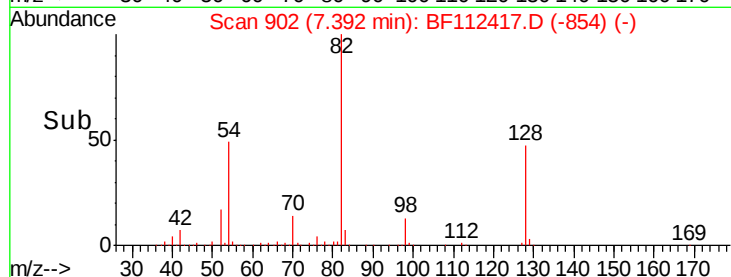
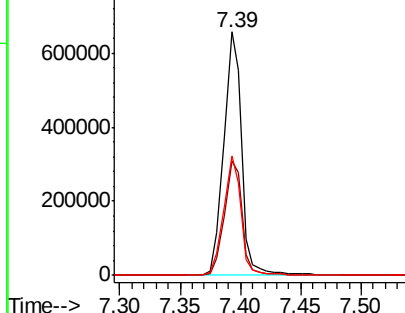
#23
Nitrobenzene-d5
Concen: 65.658 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

Instrument :
BNA_F
ClientSampleId :
A0C5B-SS1-0.0-0.5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.8	56.8
54	49.3	39.7	59.5

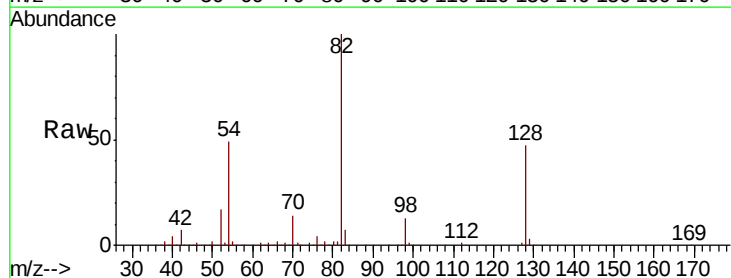


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

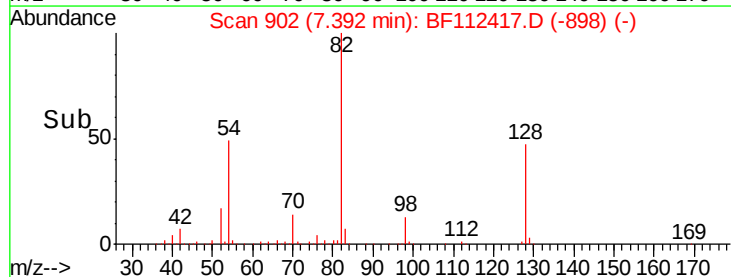
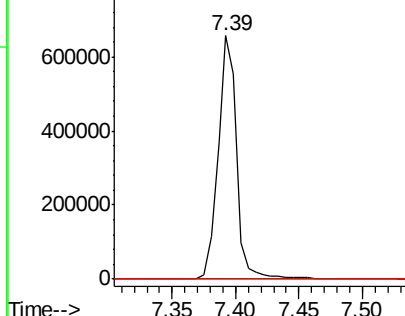


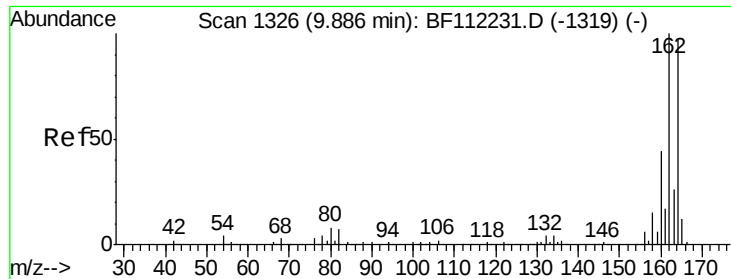
#25
Isophorone
Concen: 41.852 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.28 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	15.4	23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112417.D

Acq: 6 Feb 2019 13:58

Instrument :

BNA_F

ClientSampleId :

A0C5B-SS1-0.0-0.5

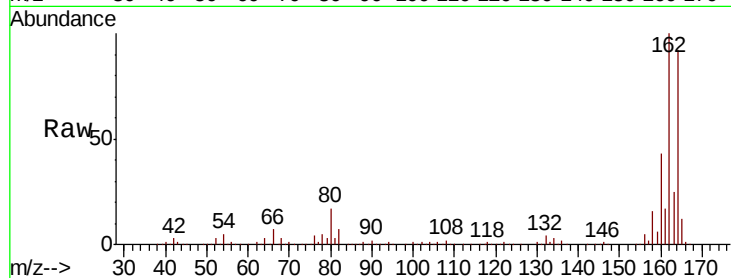
Tgt Ion:164 Resp: 282568

Ion Ratio Lower Upper

164 100

162 108.4 82.2 123.4

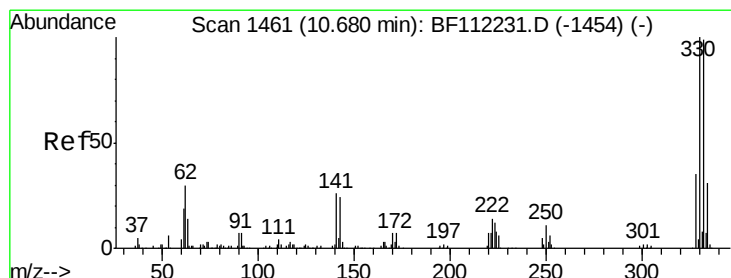
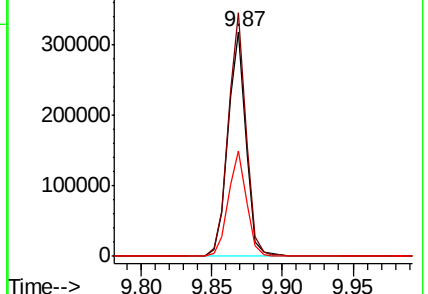
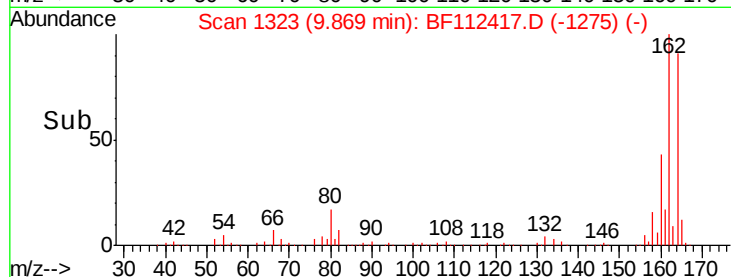
160 47.0 36.2 54.4



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: 100.002 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112417.D

Acq: 6 Feb 2019 13:58

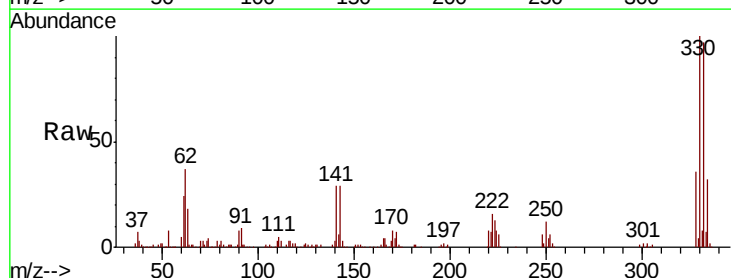
Tgt Ion:330 Resp: 328908

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

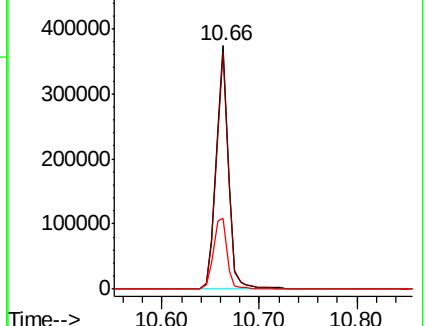
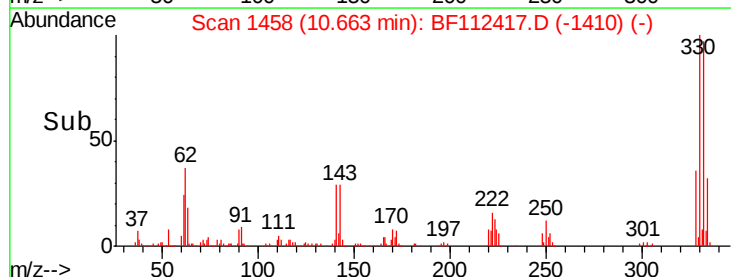
141 32.9 24.3 36.5



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

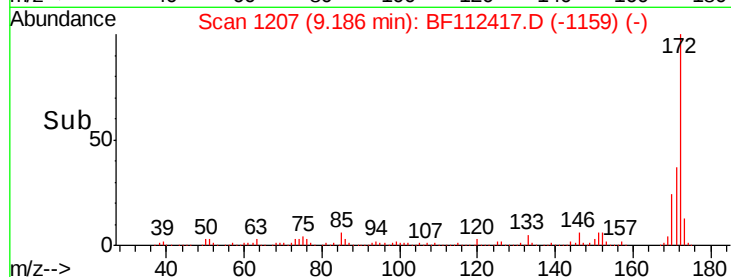
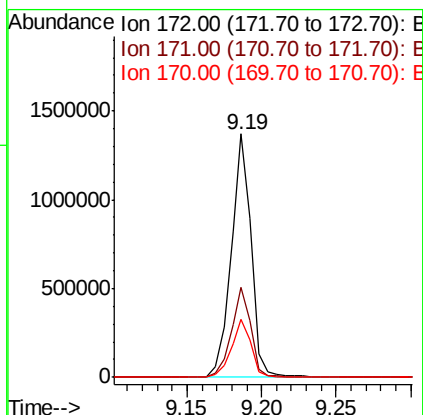
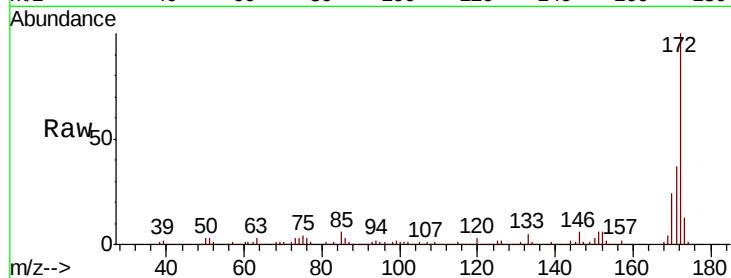




#45
 2-Fluorobiphenyl
 Concen: 64.636 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112417.D
 Acq: 6 Feb 2019 13:58

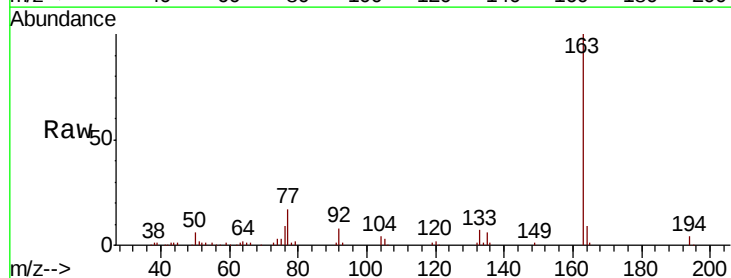
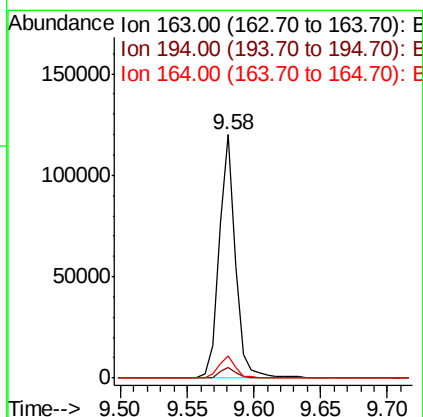
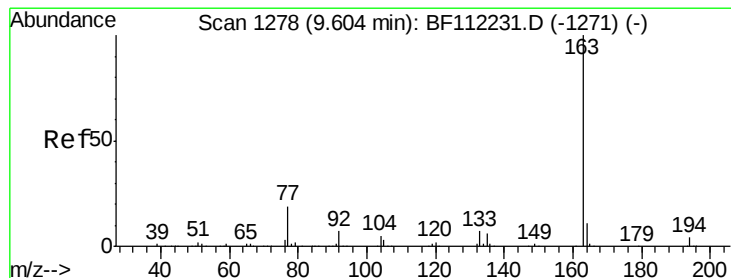
Instrument :
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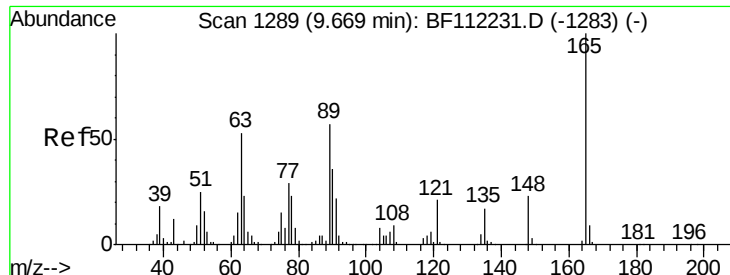
Tgt Ion:172 Resp: 1291360
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.5 45.7
 170 24.0 20.2 30.4



#50
 Dimethylphthalate
 Concen: 4.724 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.02 min
 Lab File: BF112417.D
 Acq: 6 Feb 2019 13:58

Tgt Ion:163 Resp: 103703
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.3 4.9
 164 9.3 8.5 12.7

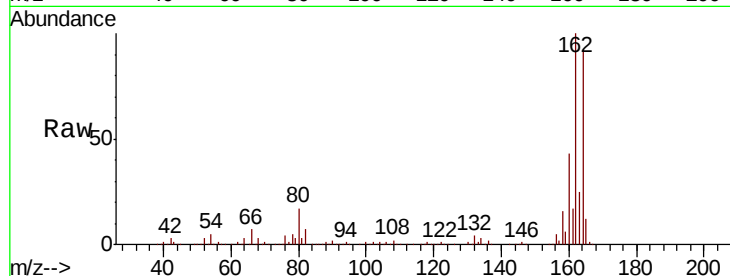




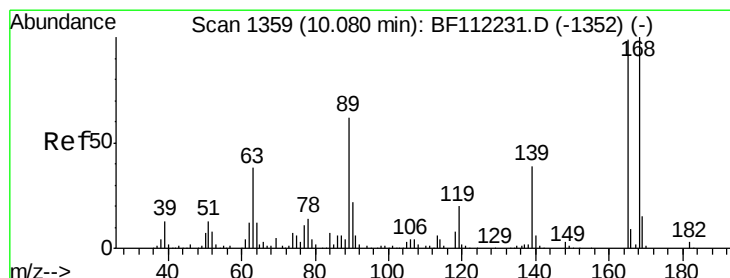
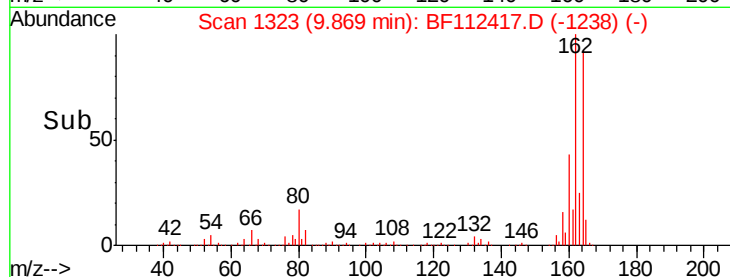
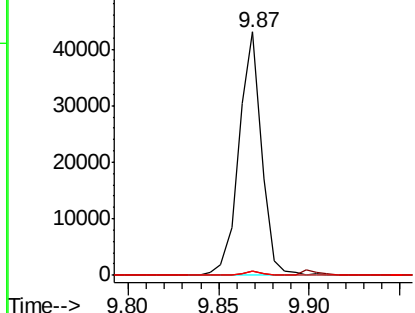
#51
 2,6-Dinitrotoluene
 Concen: 7.559 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112417.D
 Acq: 6 Feb 2019 13:58

Instrument :
 BNA_F
 ClientSampleId :
 A0C5B-SS1-0.0-0.5

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.8#
89	1.6	36.9	55.3#

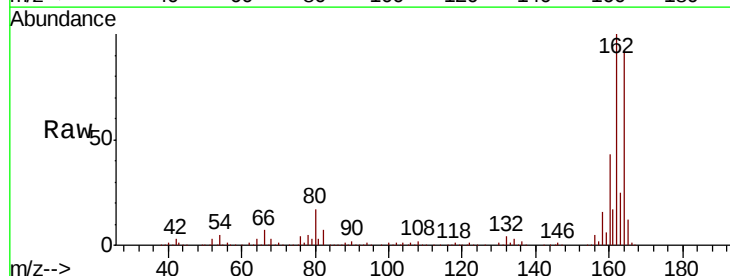


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

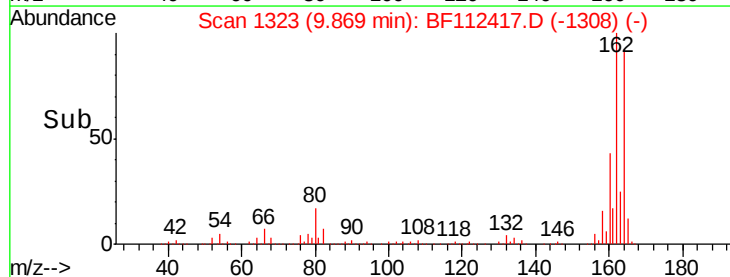
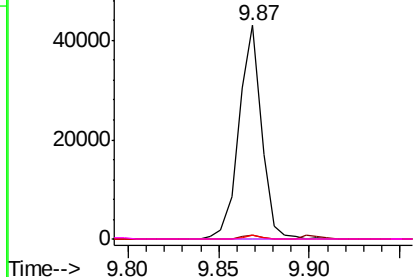


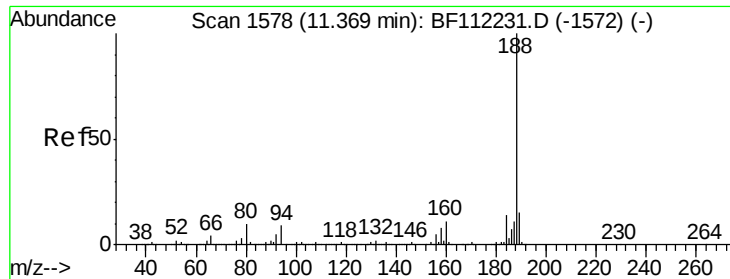
#57
 2,4-Dinitrotoluene
 Concen: 5.938 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112417.D
 Acq: 6 Feb 2019 13:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	27.9	41.9#
89	1.6	47.9	71.9#
182	0.0	2.2	3.4#



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

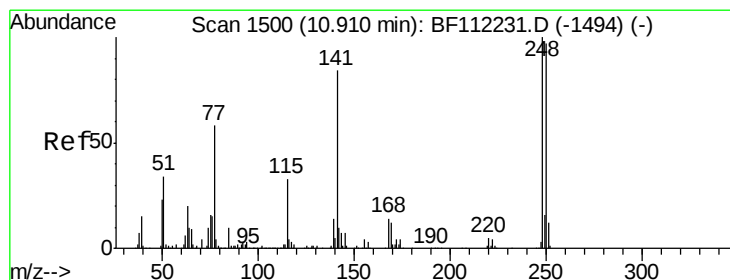
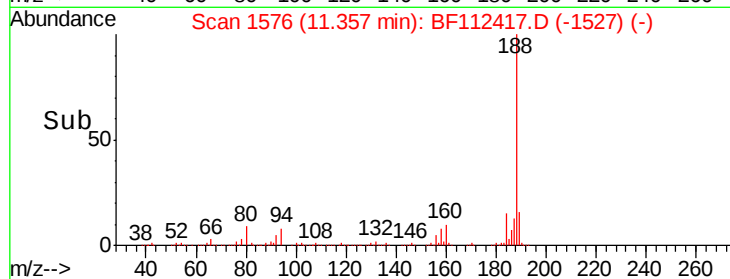
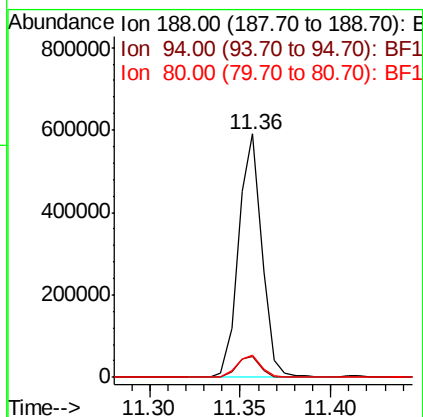
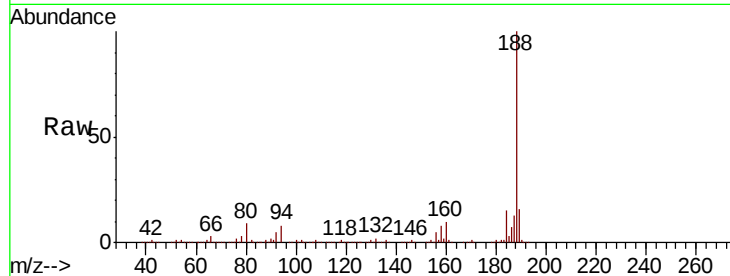




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112417.D
 Acq: 6 Feb 2019 13:58

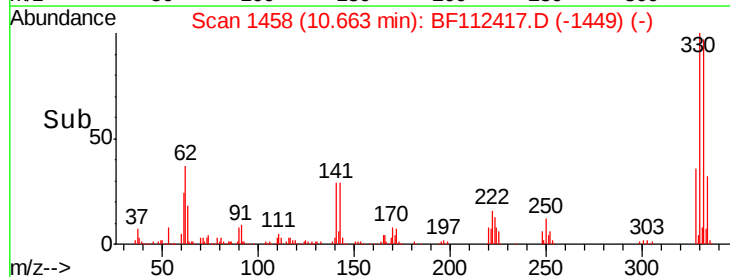
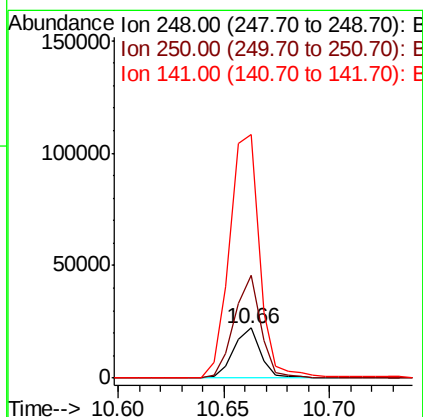
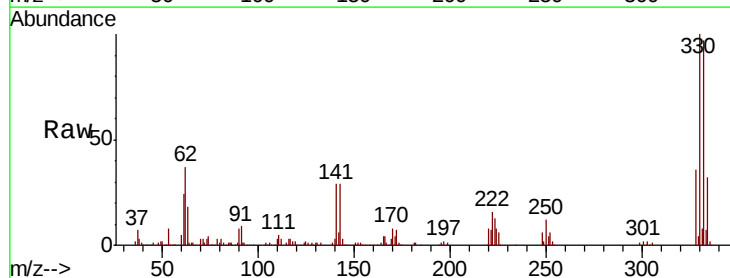
Instrument :
 BNA_F
 ClientSampleId :
 A0C5B-SS1-0.0-0.5

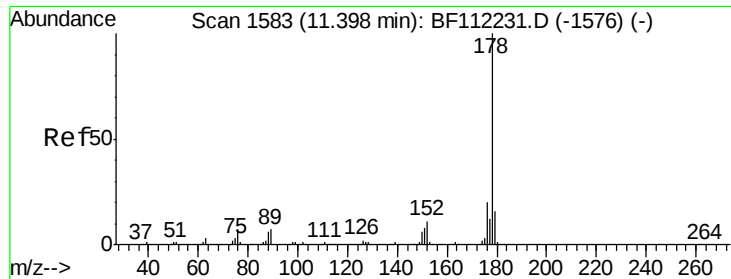
Tgt Ion:	188	Resp:	527030
Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	8.9	8.9	13.3



#67
 4-Bromophenyl-phenylether
 Concen: 3.199 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112417.D
 Acq: 6 Feb 2019 13:58

Tgt Ion:	248	Resp:	19832
Ion	Ratio	Lower	Upper
248	100		
250	208.1	79.7	119.5#
141	489.8	60.3	90.5#

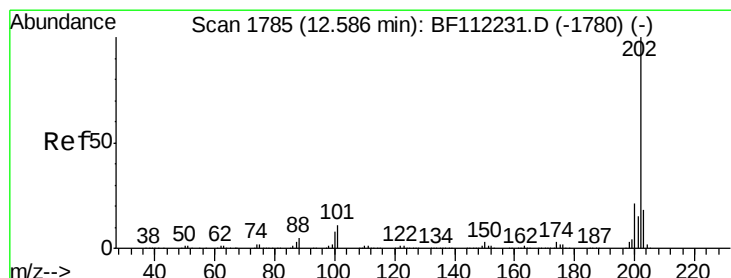
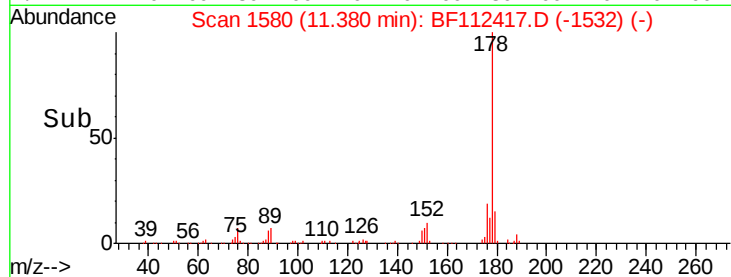
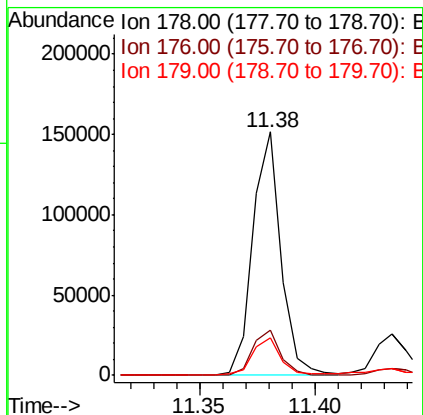
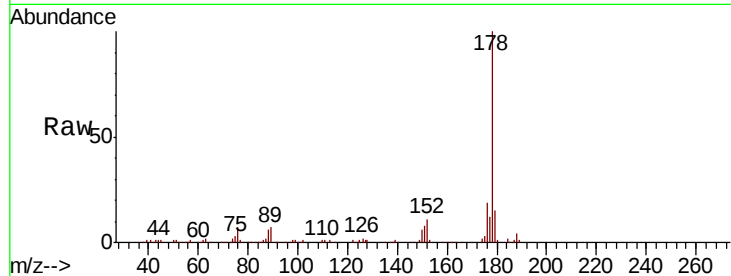




#71
Phenanthrene
Concen: 4.733 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

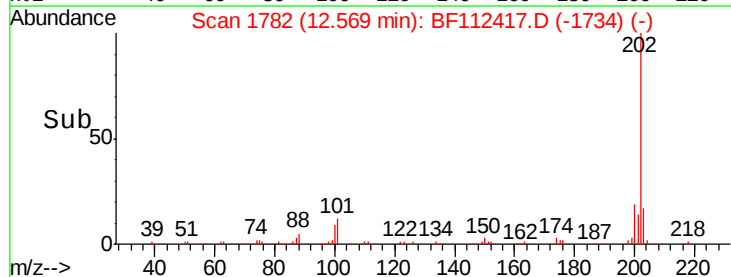
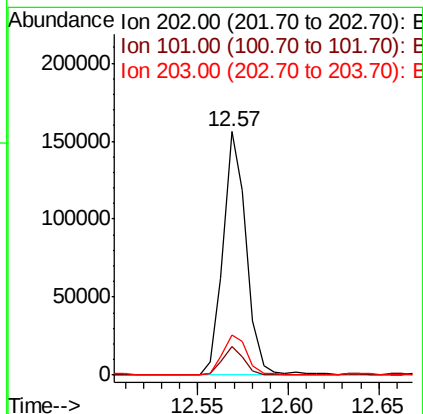
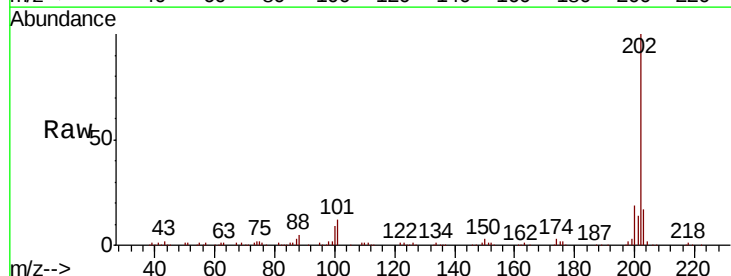
Instrument :
BNA_F
ClientSampleId :
A0C5B-SS1-0.0-0.5

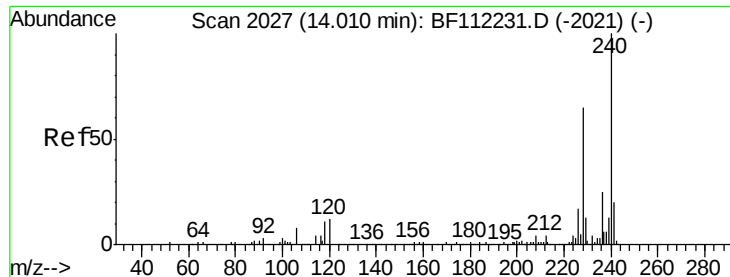
Tgt Ion:178 Resp: 129670
Ion Ratio Lower Upper
178 100
176 18.6 16.3 24.5
179 15.3 13.0 19.4



#75
Fluoranthene
Concen: 4.721 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.02 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

Tgt Ion:202 Resp: 138750
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.8
203 16.6 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112417.D

Acq: 6 Feb 2019 13:58

Instrument :

BNA_F

ClientSampleId :

A0C5B-SS1-0.0-0.5

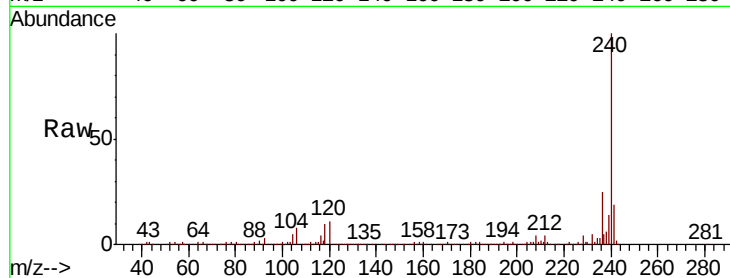
Tgt Ion:240 Resp: 326318

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.6

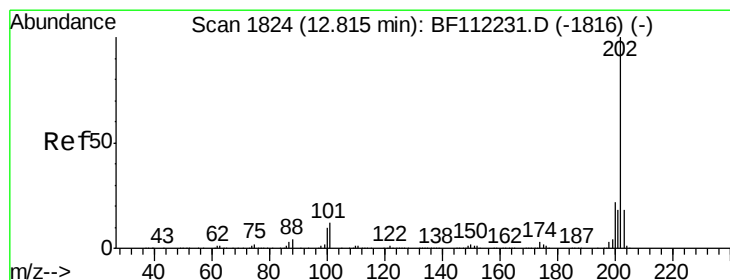
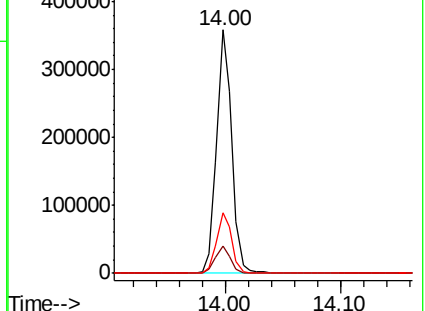
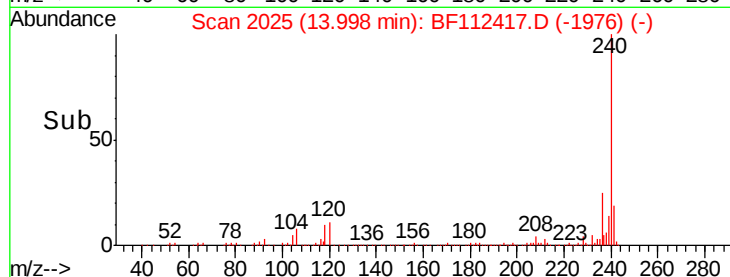
236 24.9 20.7 31.1



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: 5.318 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.02 min

Lab File: BF112417.D

Acq: 6 Feb 2019 13:58

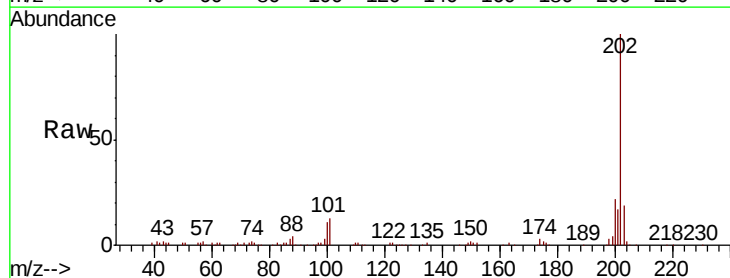
Tgt Ion:202 Resp: 120138

Ion Ratio Lower Upper

202 100

200 22.4 17.7 26.5

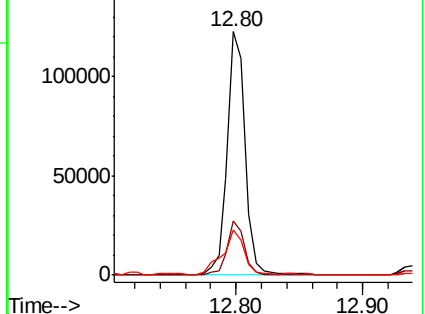
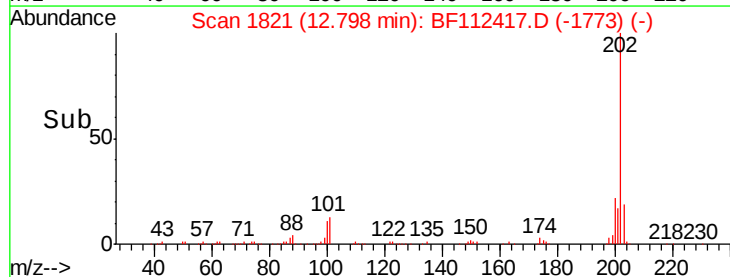
203 18.6 14.6 22.0

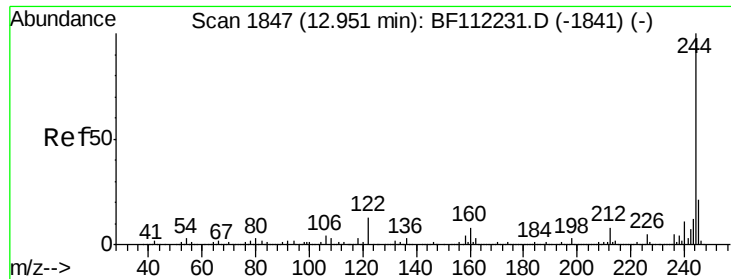


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

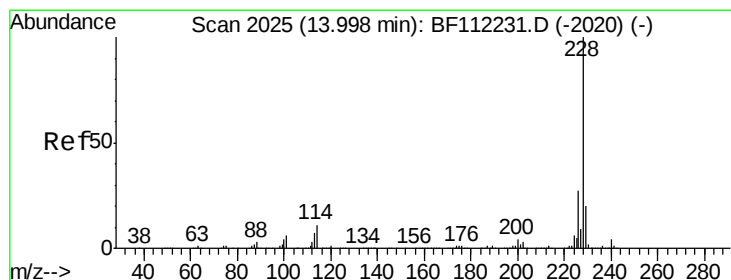
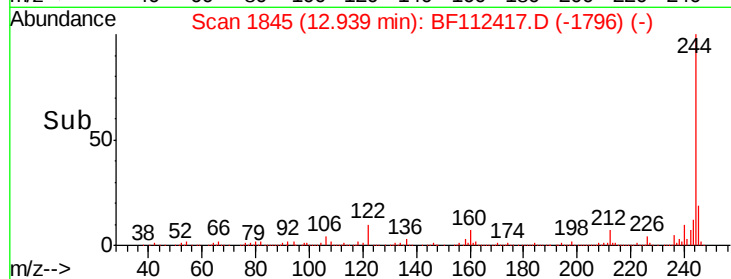
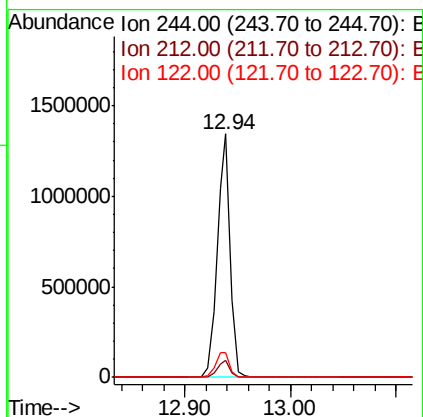
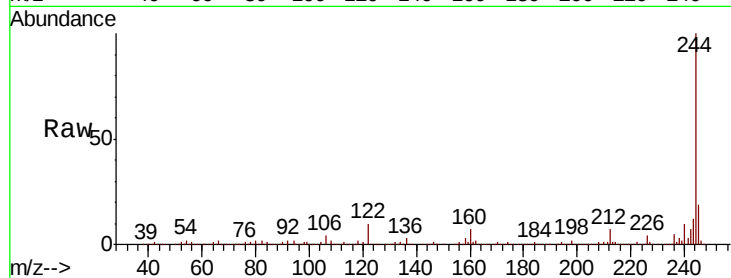




#79
 Terphenyl-d14
 Concen: 67.112 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112417.D
 Acq: 6 Feb 2019 13:58

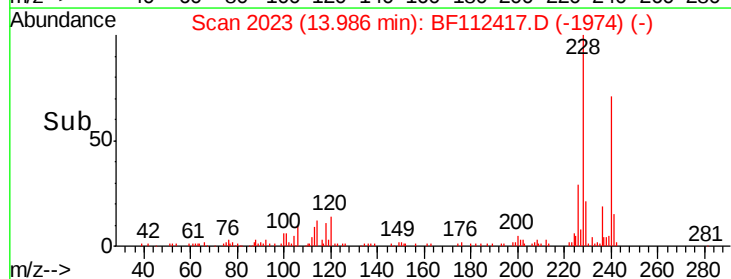
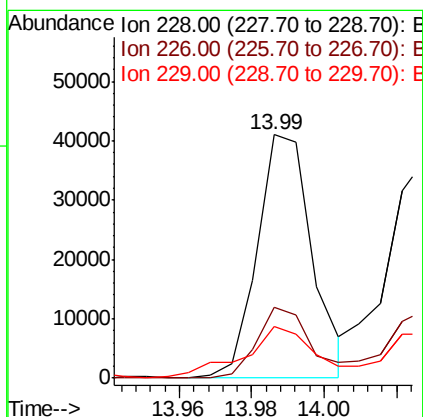
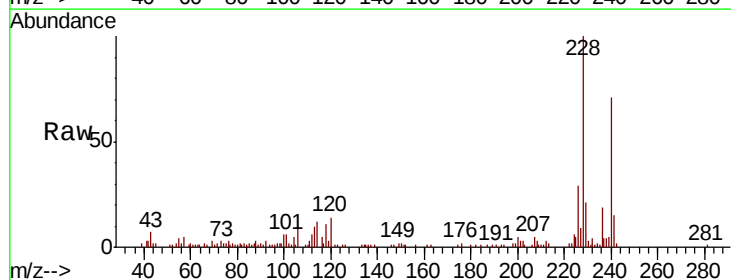
Instrument :
 BNA_F
 ClientSampleId :
 A0C5B-SS1-0.0-0.5

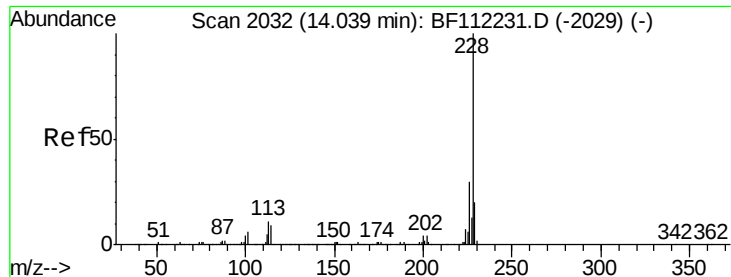
Tgt Ion:244 Resp: 1162753
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 10.4 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 2.255 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF112417.D
 Acq: 6 Feb 2019 13:58

Tgt Ion:228 Resp: 43265
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 34.0
 229 21.3 16.5 24.7





#83

Chrysene

Concen: 2.158 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112417.D

Acq: 6 Feb 2019 13:58

Instrument :

BNA_F

ClientSampleId :

A0C5B-SS1-0.0-0.5

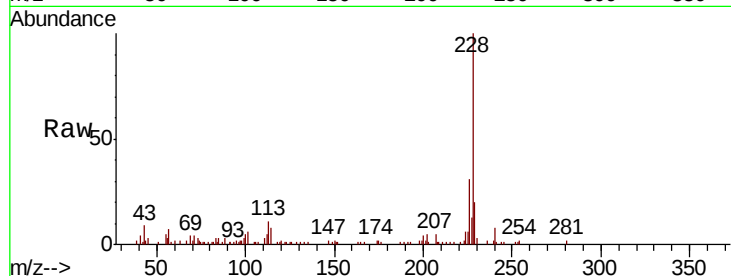
Tgt Ion:228 Resp: 39507

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

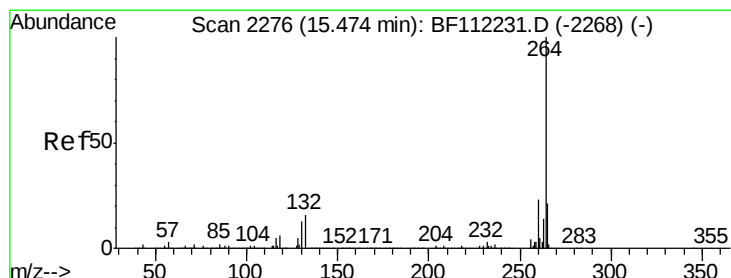
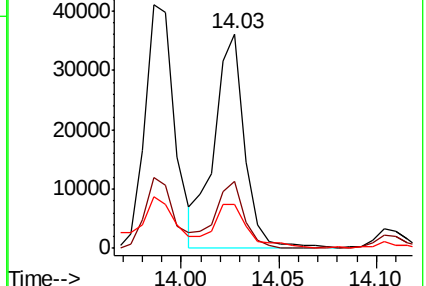
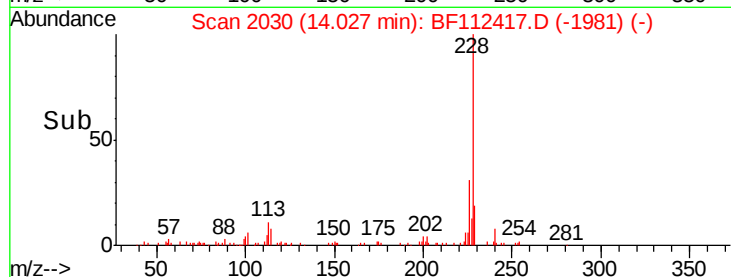
229 20.5 16.6 24.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112417.D

Acq: 6 Feb 2019 13:58

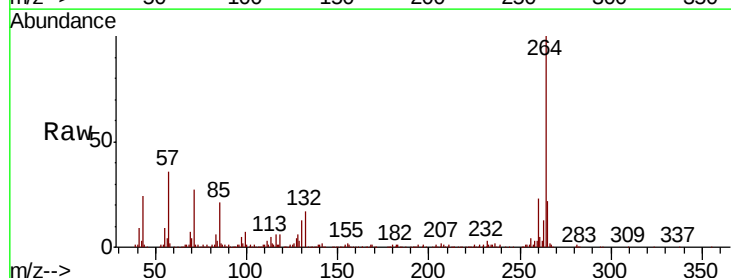
Tgt Ion:264 Resp: 306736

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.2

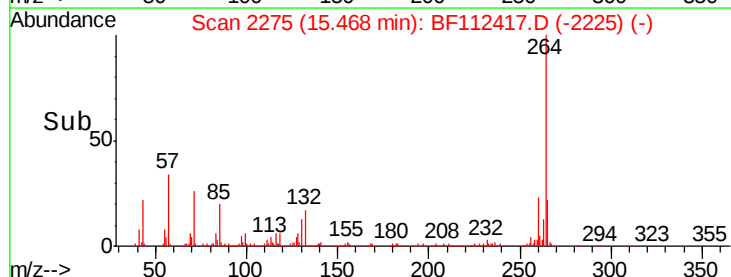
265 22.1 17.0 25.4



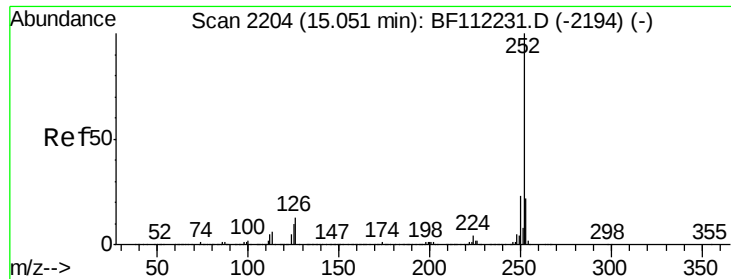
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



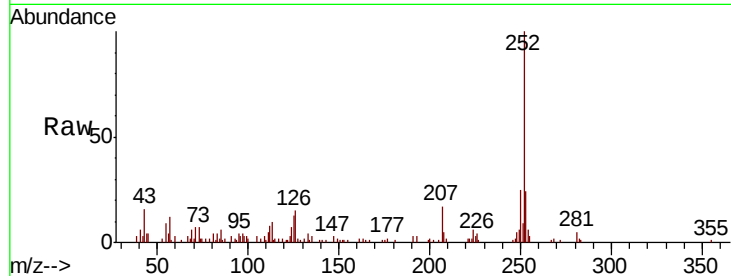
Time-->



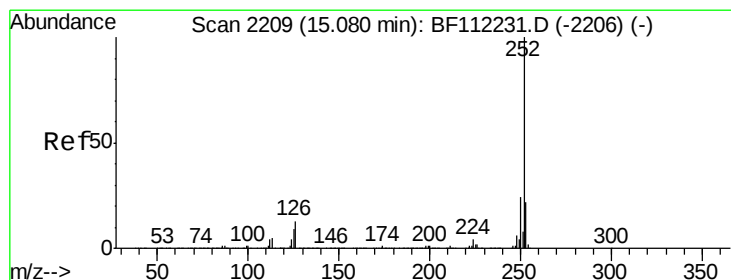
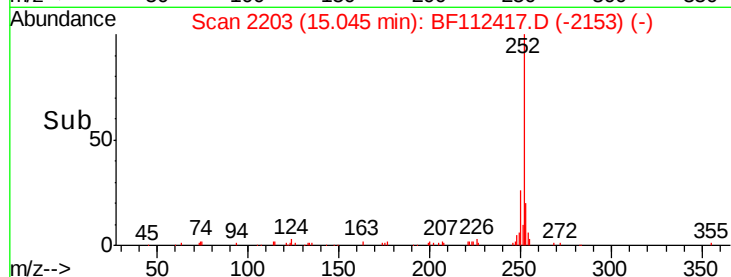
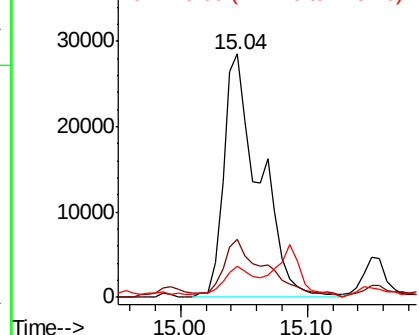
#88
Benzo(b)fluoranthene
Concen: 3.045 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

Instrument :
BNA_F
ClientSampleId :
A0C5B-SS1-0.0-0.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.9	8.7	13.1

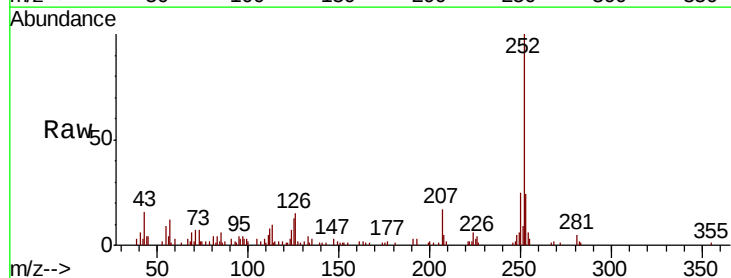


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.179 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112417.D
Acq: 6 Feb 2019 13:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.9	9.1	13.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

