

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\
 Data File : BF112648.D
 Acq On : 21 Feb 2019 13:14
 Operator : JU/SJ
 Sample : K1546-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 15:31:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 21 12:57:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	86694	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	340335	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	178101	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	363371	20.00	ng	0.00
76) Chrysene-d12	14.00	240	287053	20.00	ng	0.00
87) Perylene-d12	15.47	264	225074	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	584804	143.28	ng	0.00
7) Phenol-d6	6.47	99	726920	128.17	ng	0.00
23) Nitrobenzene-d5	7.39	82	477397	80.82	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	269549	130.03	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	955541	75.88	ng	0.00
79) Terphenyl-d14	12.93	244	1157342	75.94	ng	0.00

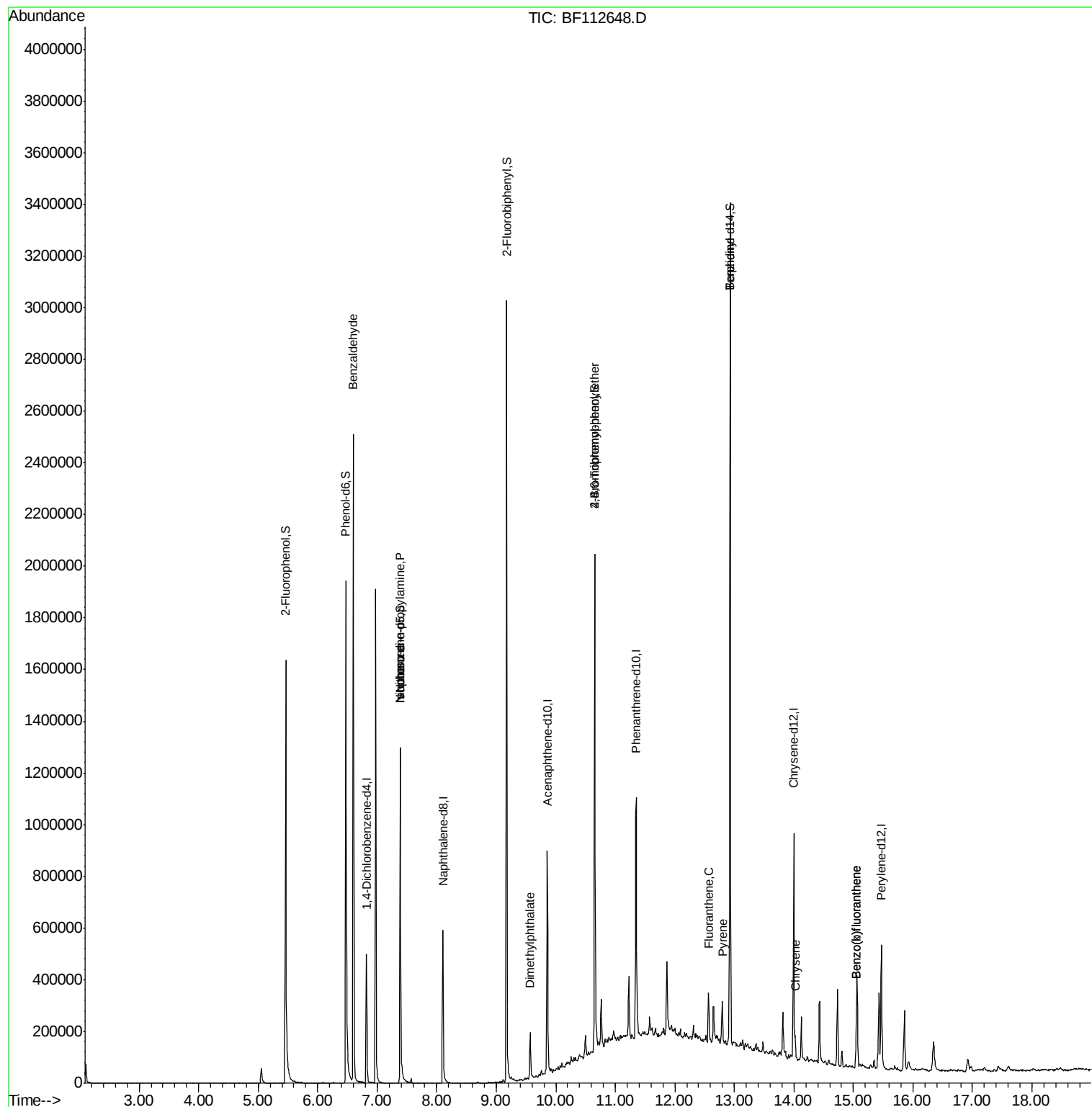
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	15325	5.170	ng	85
19) n-Nitroso-di-n-propylamine	7.39	70	63760	16.304	ng	# 77
25) Isophorone	7.39	82	477395	51.520	ng	# 63
50) Dimethylphthalate	9.57	163	69941	5.054	ng	97
67) 4-Bromophenyl-phenylether	10.66	248	16805	3.932	ng	# 1
75) Fluoranthene	12.57	202	78778	3.888	ng	96
77) Benzydine	12.93	184	17476	2.212	ng	96
78) Pyrene	12.80	202	72267	3.636	ng	98
83) Chrysene	14.02	228	32256	2.003	ng	98
88) Benzo(b)fluoranthene	15.04	252	49795	3.699	ng	93
89) Benzo(k)fluoranthene	15.04	252	49795	3.862	ng	93

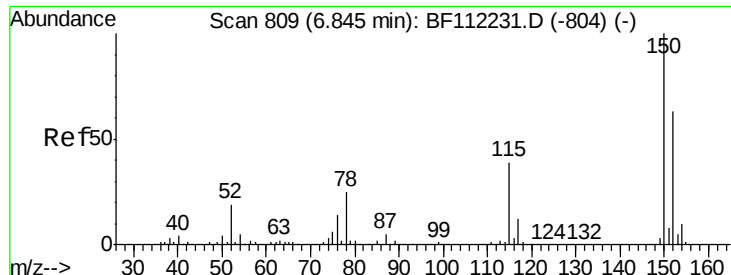
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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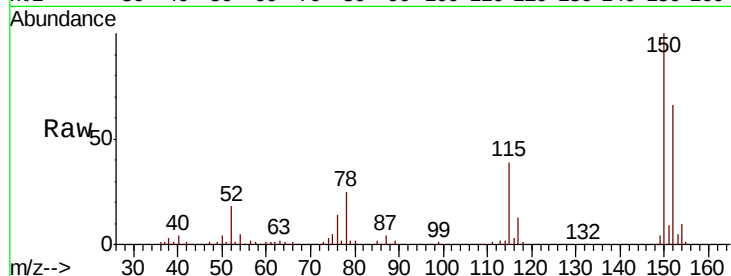


#1

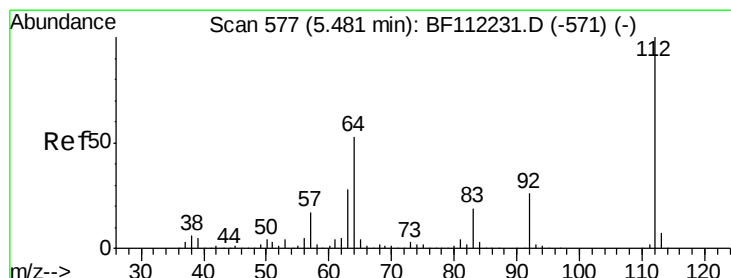
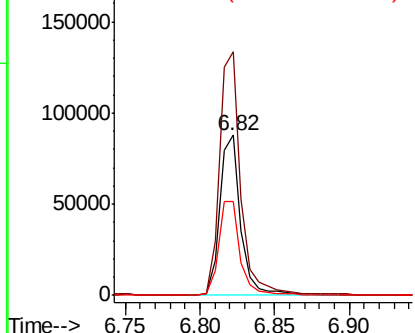
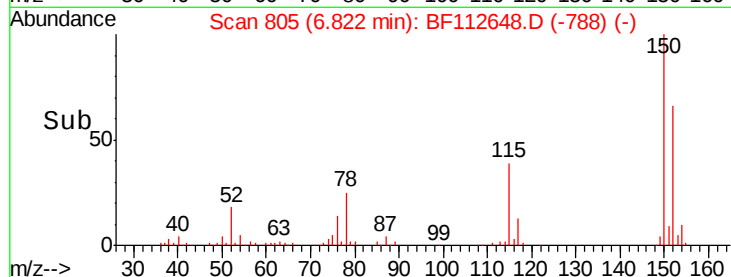
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 86694
Ion Ratio Lower Upper
152 100
150 151.9 127.4 191.0
115 58.8 45.5 68.3



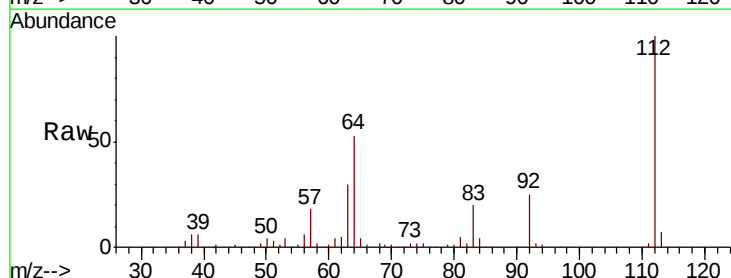
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



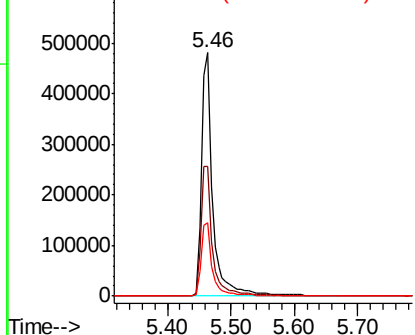
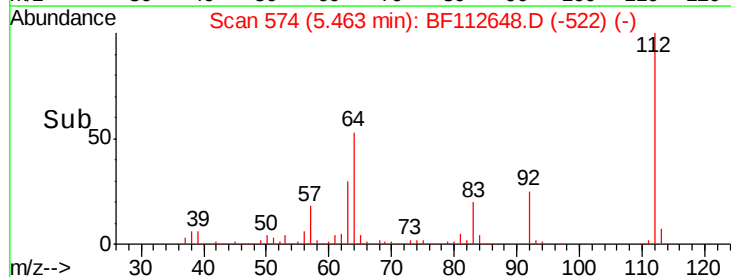
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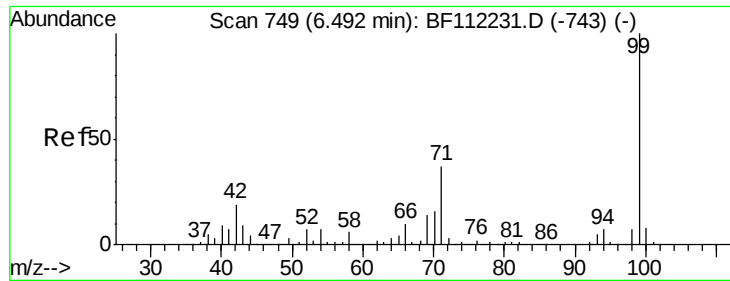
2-Fluorophenol
Concen: 143.281 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.01 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

Tgt Ion:112 Resp: 584804
Ion Ratio Lower Upper
112 100
64 53.2 45.7 68.5
63 29.9 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: 128.171 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF112648.D

Acq: 21 Feb 2019 13:14

Instrument :

BNA_F

ClientSampleId :

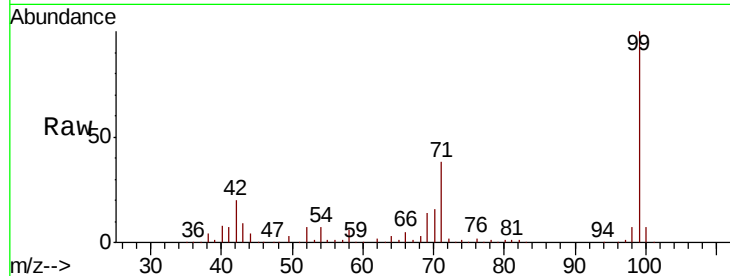
Tot Ion: 99 Resp: 726920

Ion Ratio Lower Upper

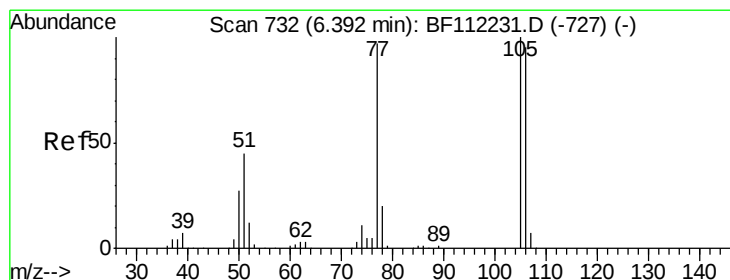
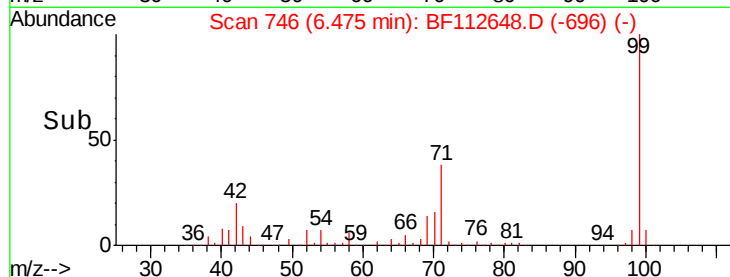
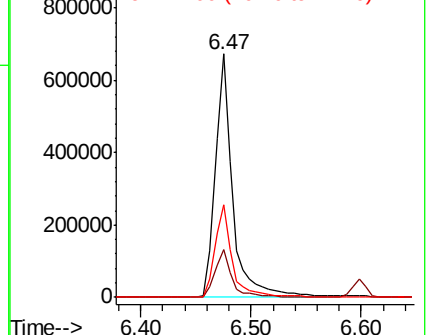
99 100

42 19.9 15.1 22.7

71 38.2 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



#9

Benzaldehyde

Concen: 5.170 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF112648.D

Acq: 21 Feb 2019 13:14

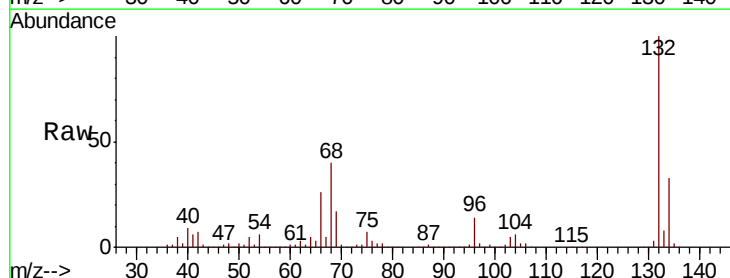
Tgt Ion: 77 Resp: 15325

Ion Ratio Lower Upper

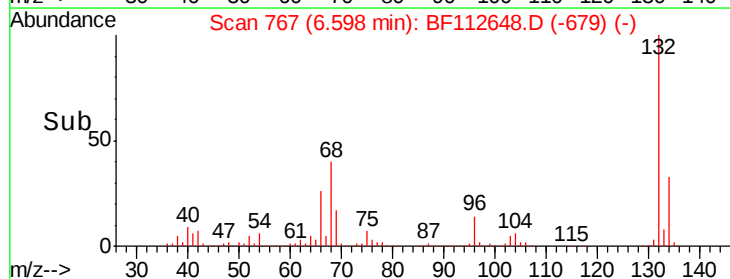
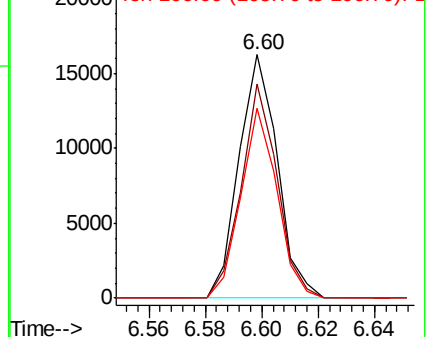
77 100

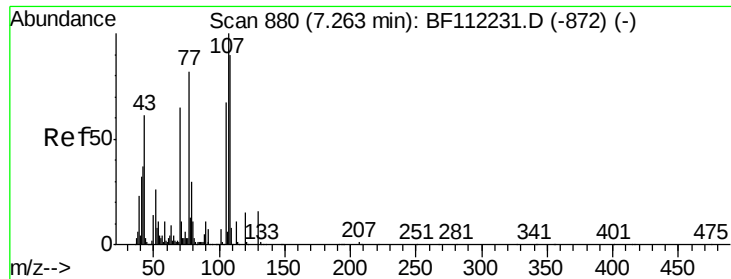
105 87.9 80.8 120.8

106 78.1 75.7 115.7



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

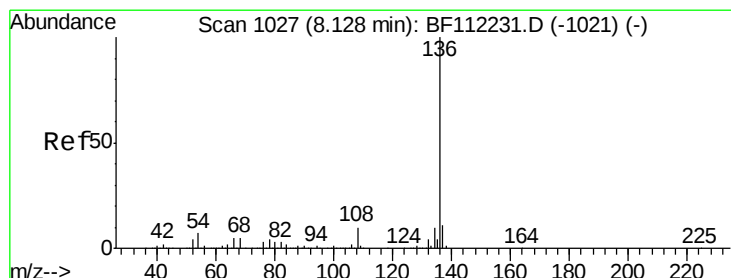
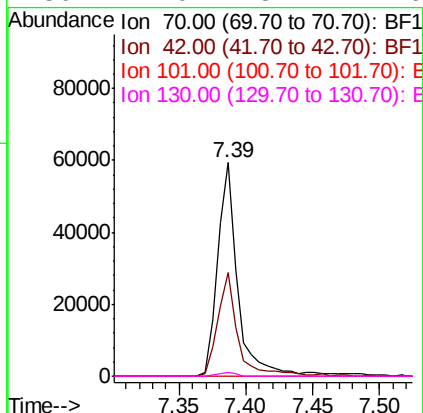
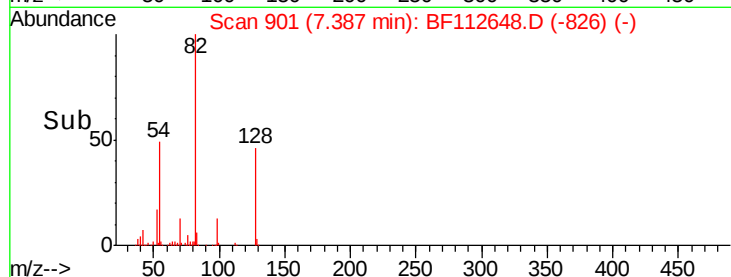
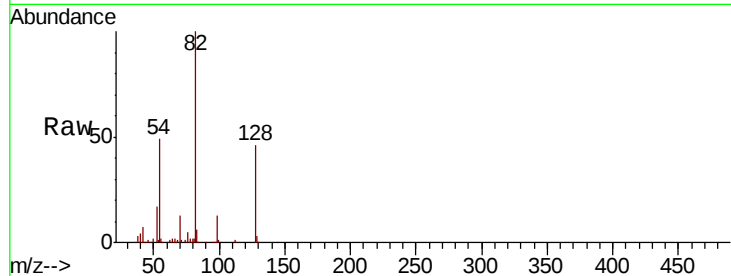




#19
n-Nitroso-di-n-propylamine
Concen: 16.304 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.14 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

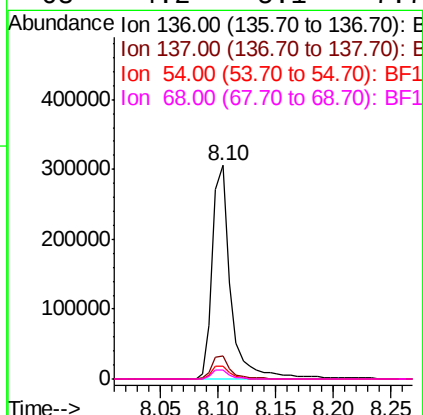
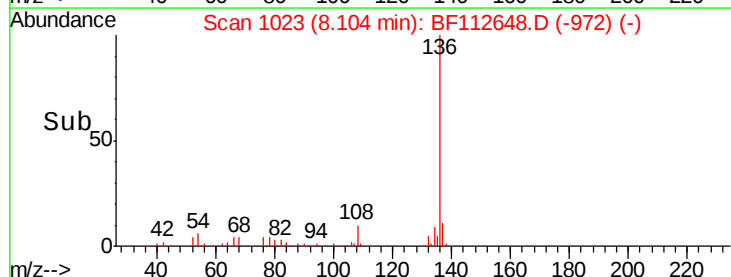
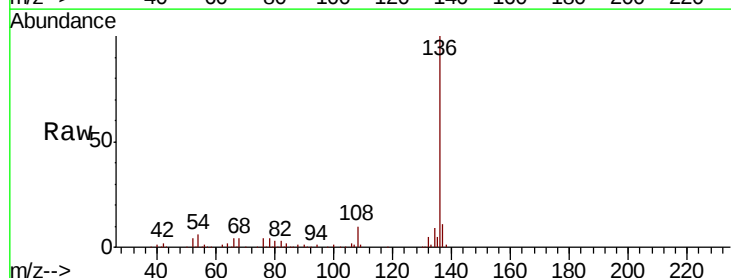
Instrument :
BNA_F
ClientSampleId :

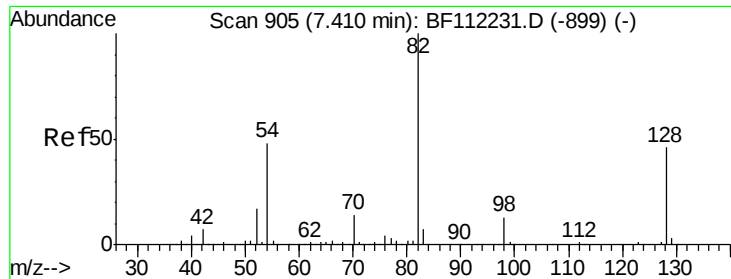
Tot Ion: 70 Resp: 63760
Ion Ratio Lower Upper
70 100
42 48.3 47.6 71.4
101 0.0 7.9 11.9#
130 2.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

Tgt Ion:136 Resp: 340335
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 5.9 5.9 8.9#
68 4.2 5.1 7.7#

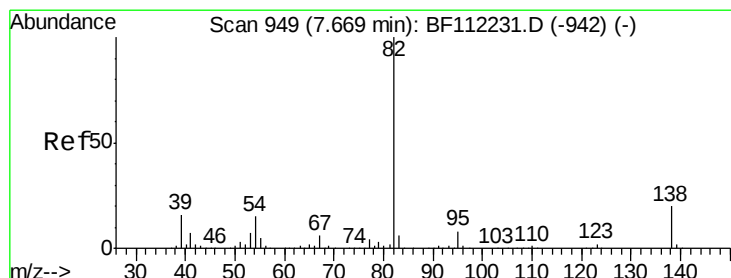
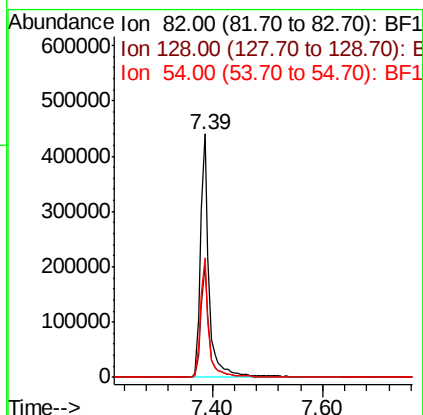
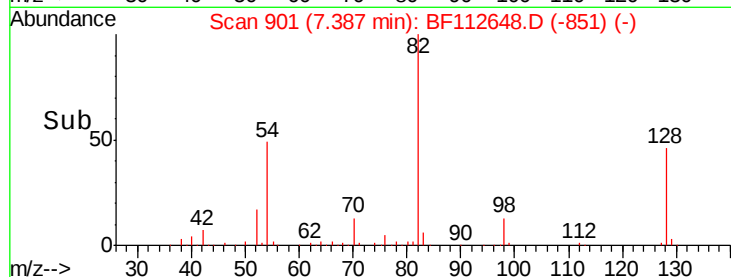
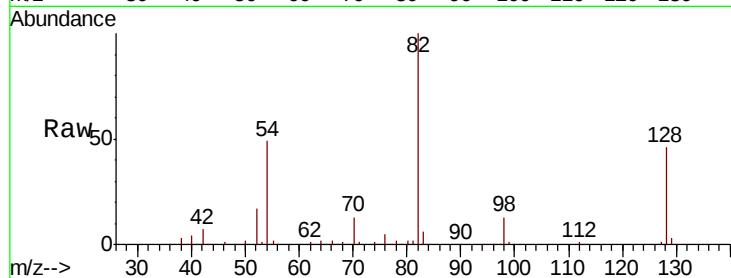




#23
Nitrobenzene-d5
Concen: 80.825 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

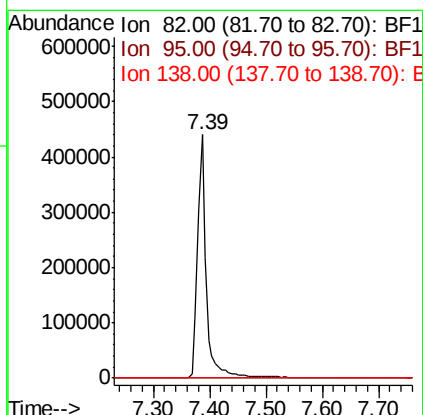
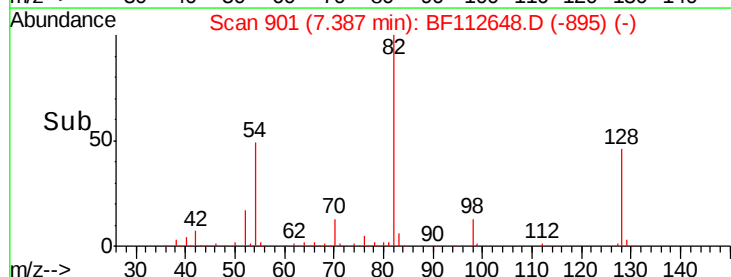
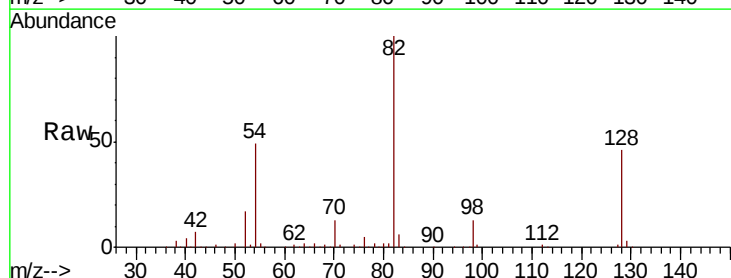
Instrument :
BNA_F
ClientSampled :

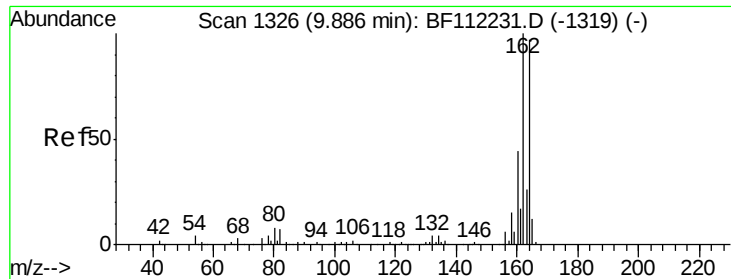
Tot Ion: 82 Resp: 477397
Ion Ratio Lower Upper
82 100
128 46.0 37.8 56.8
54 49.3 39.7 59.5



#25
Isophorone
Concen: 51.520 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

Tgt Ion: 82 Resp: 477395
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#

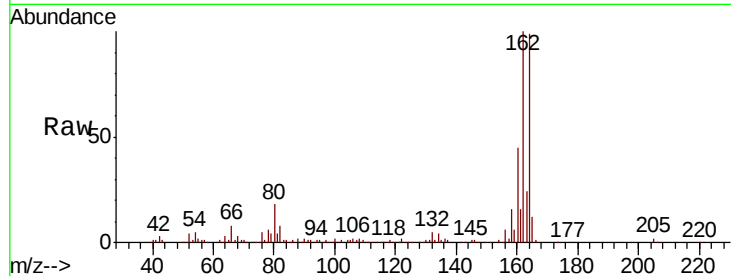




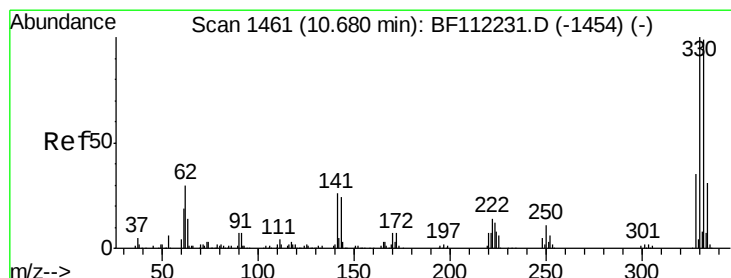
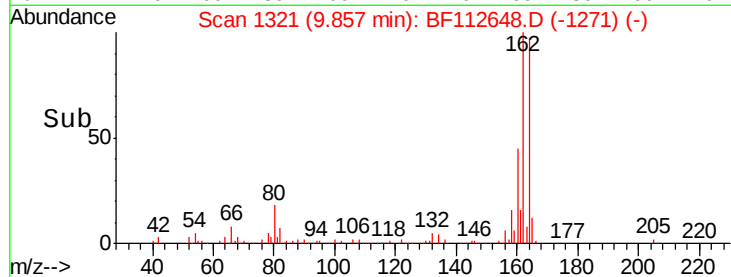
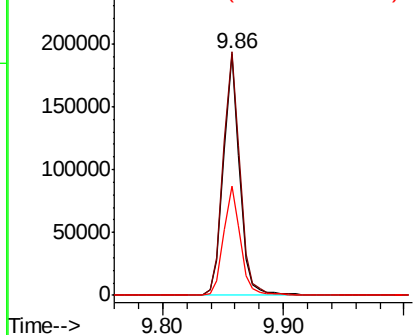
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF112648.D
 Acq: 21 Feb 2019 13:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 178101
 Ion Ratio Lower Upper
 164 100
 162 100.8 82.2 123.4
 160 45.0 36.2 54.4

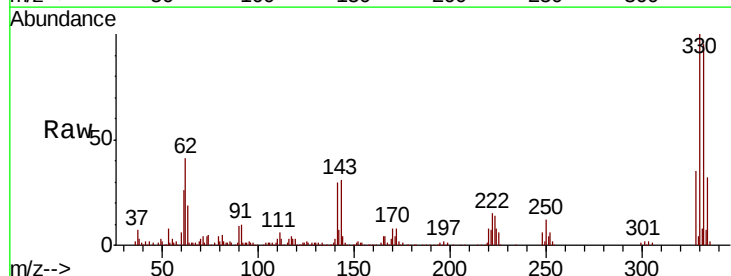


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

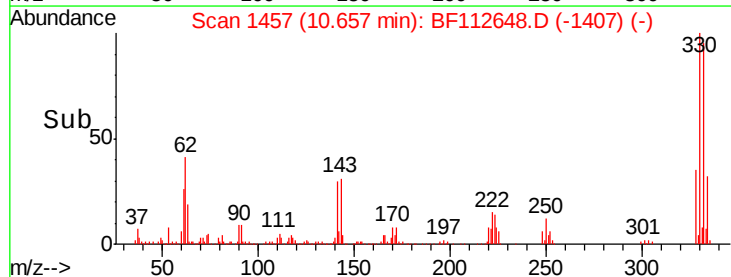
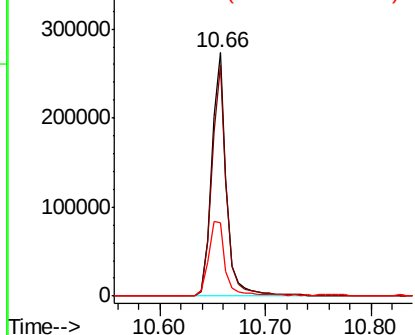


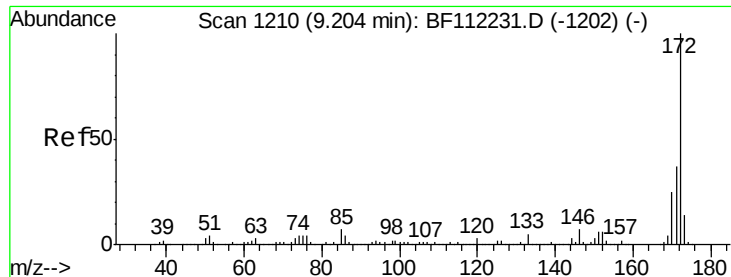
#42
 2,4,6-Tribromophenol
 Concen: 130.026 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF112648.D
 Acq: 21 Feb 2019 13:14

Tgt Ion:330 Resp: 269549
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 114.8
 141 34.0 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

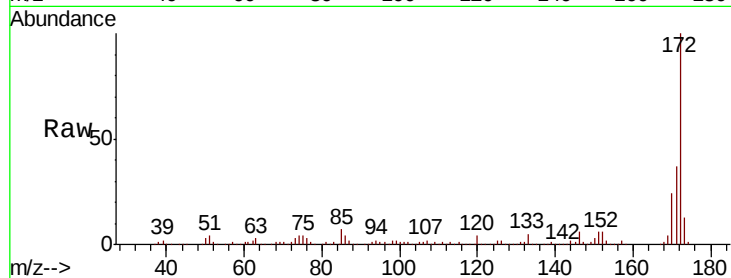




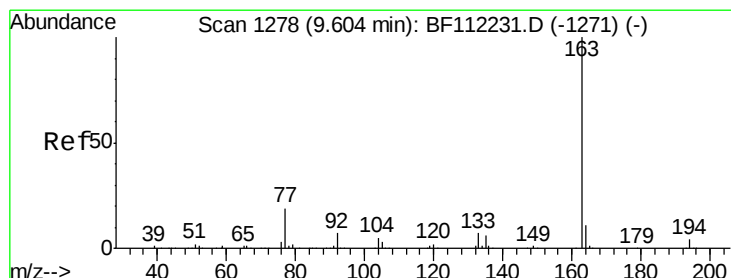
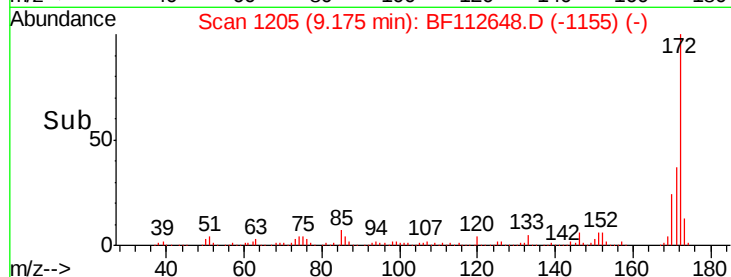
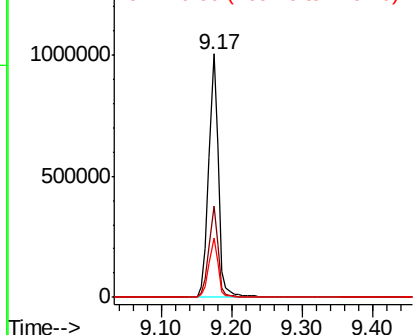
#45
2-Fluorobiphenyl
Concen: 75.881 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 955541
Ion Ratio Lower Upper
172 100
171 37.5 30.5 45.7
170 24.2 20.2 30.4

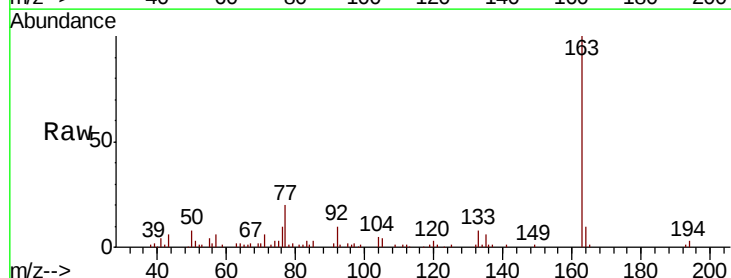


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

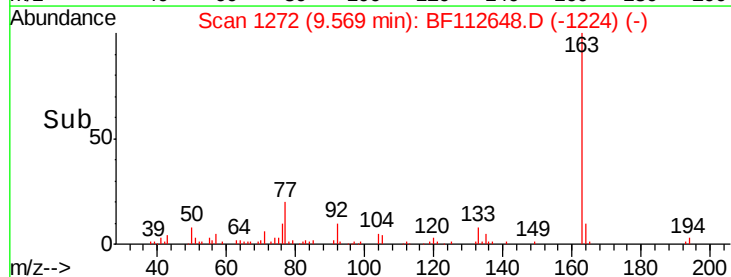
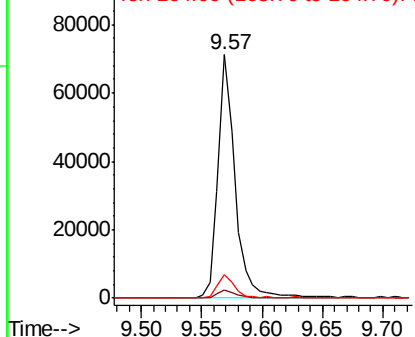


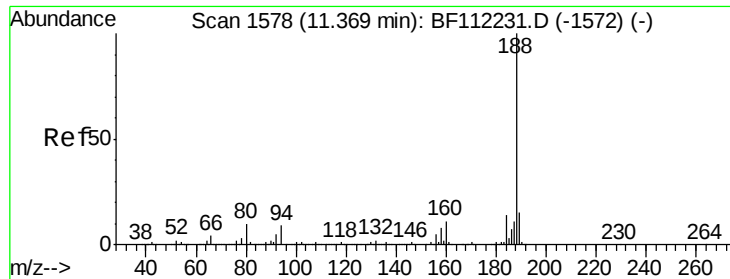
#50
Dimethylphthalate
Concen: 5.054 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

Tgt Ion:163 Resp: 69941
Ion Ratio Lower Upper
163 100
194 3.4 3.3 4.9
164 9.6 8.5 12.7



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: 11.35 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF112648.D

Acq: 21 Feb 2019 13:14

Instrument :

BNA_F

ClientSampled :

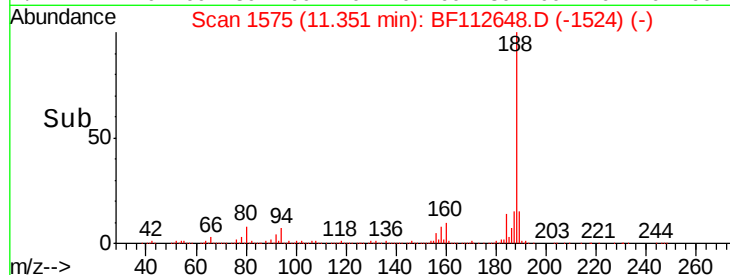
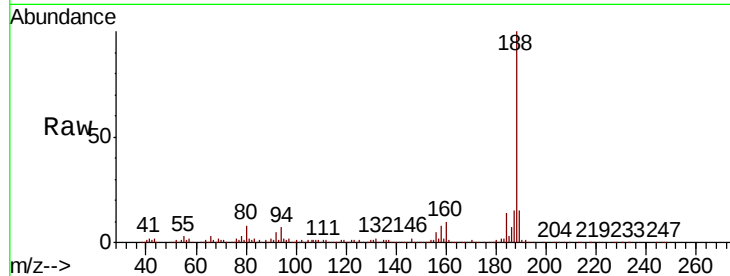
Tot Ion:188 Resp: 363371

Ion Ratio Lower Upper

188 100

94 7.5 8.2 12.2#

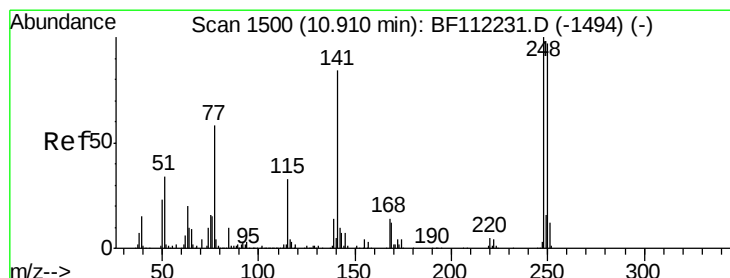
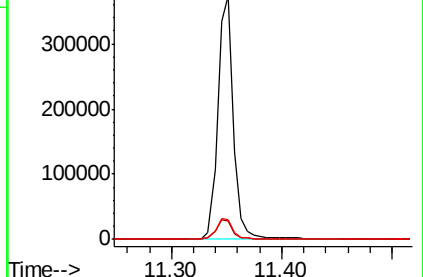
80 8.2 8.9 13.3#



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



#67

4-Bromophenyl-phenylether

Concen: 3.932 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.23 min

Lab File: BF112648.D

Acq: 21 Feb 2019 13:14

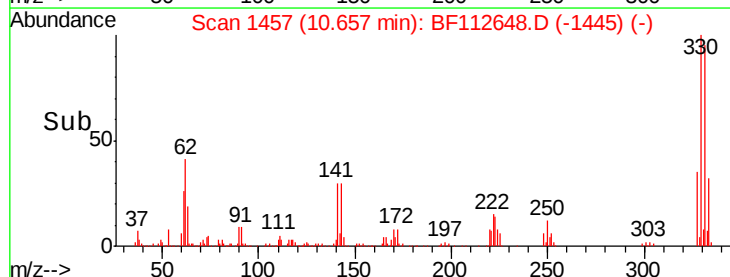
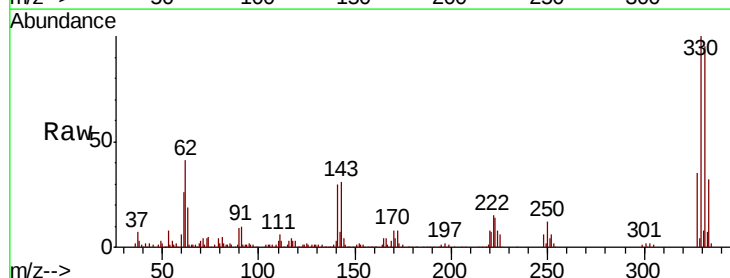
Tgt Ion:248 Resp: 16805

Ion Ratio Lower Upper

248 100

250 192.0 79.7 119.5#

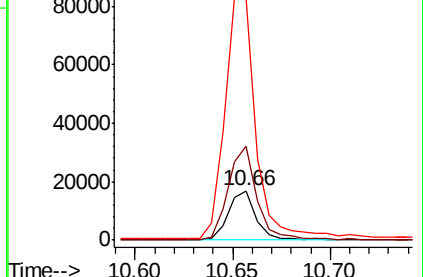
141 491.7 60.3 90.5#

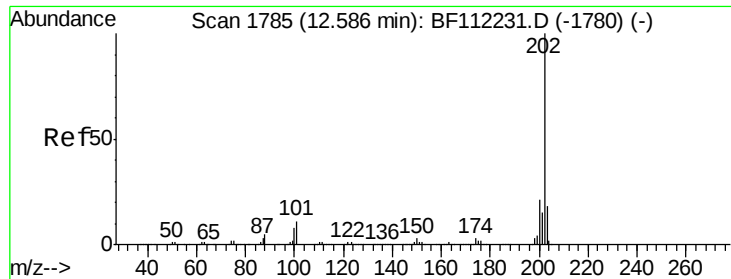


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.888 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BF112648.D

Acq: 21 Feb 2019 13:14

Instrument :

BNA_F

ClientSampled :

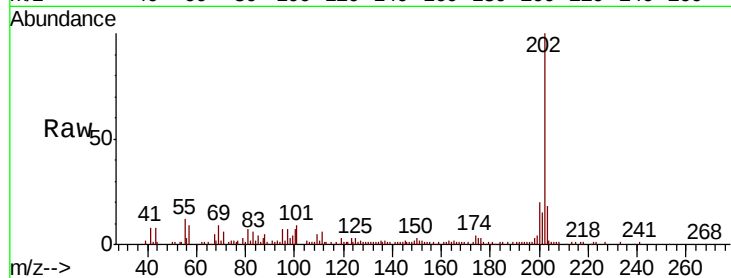
Tot Ion:202 Resp: 78778

Ion Ratio Lower Upper

202 100

101 8.9 0.0 31.8

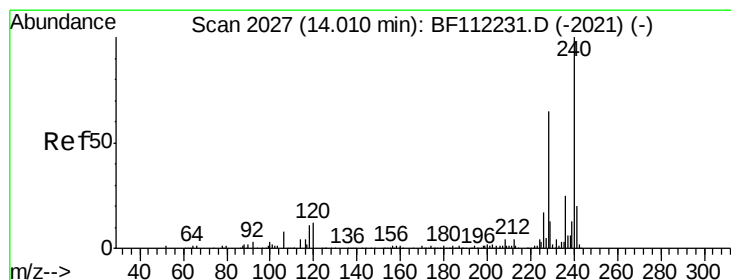
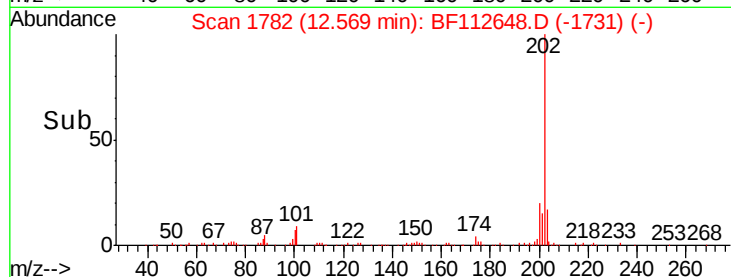
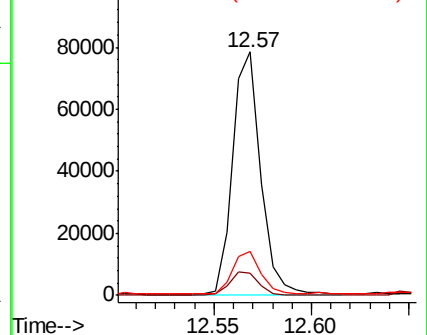
203 18.0 0.0 38.4



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: BF112648.D

Acq: 21 Feb 2019 13:14

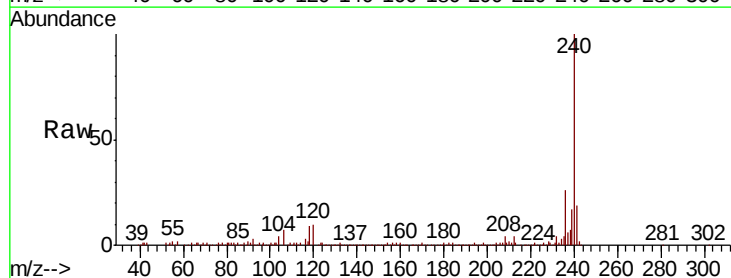
Tgt Ion:240 Resp: 287053

Ion Ratio Lower Upper

240 100

120 9.6 9.0 13.6

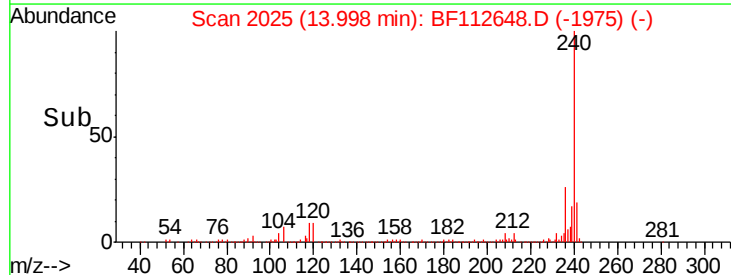
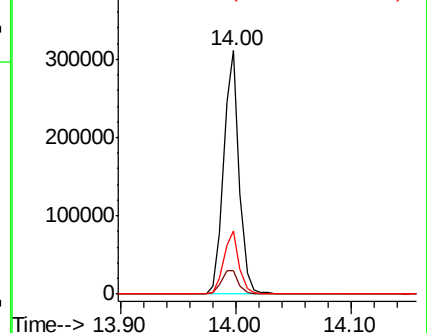
236 25.7 20.7 31.1

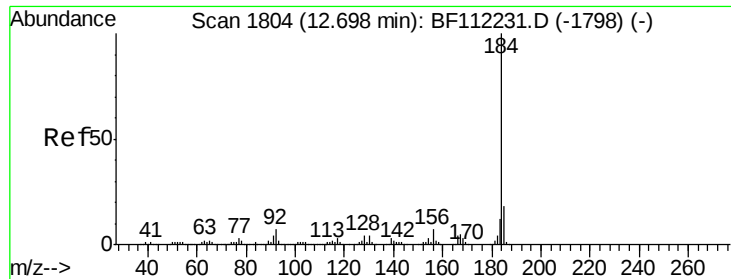


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.212 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.25 min

Lab File: BF112648.D

Acq: 21 Feb 2019 13:14

Instrument :

BNA_F

ClientSampled :

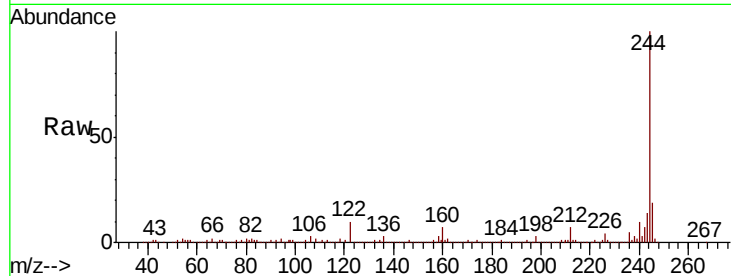
Tot Ion:184 Resp: 17476

Ion Ratio Lower Upper

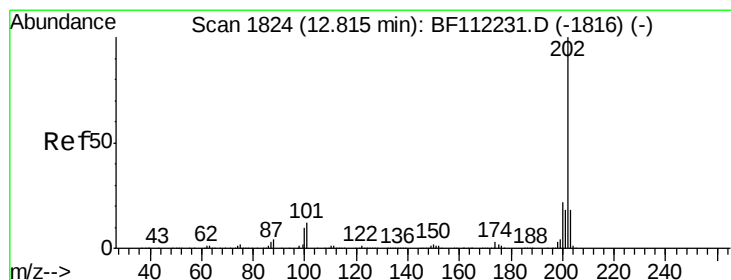
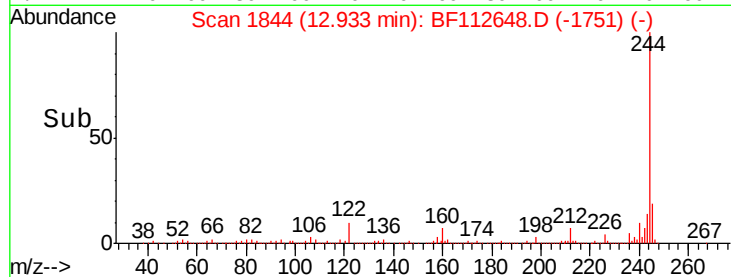
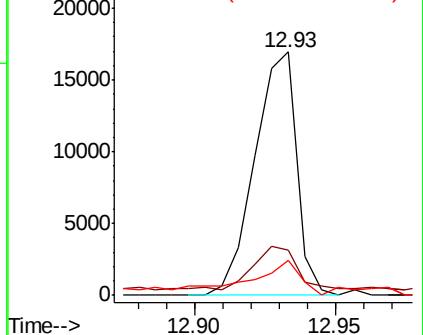
184 100

185 18.6 13.9 20.9

183 14.6 10.0 15.0



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 3.636 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF112648.D

Acq: 21 Feb 2019 13:14

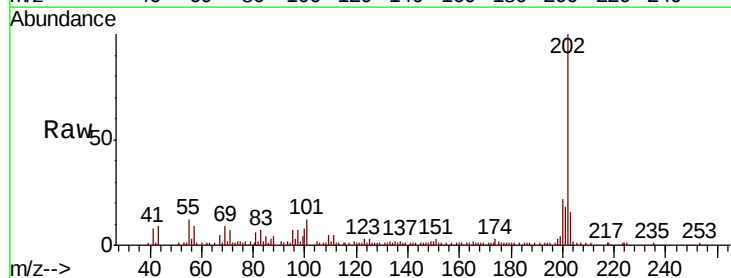
Tgt Ion:202 Resp: 72267

Ion Ratio Lower Upper

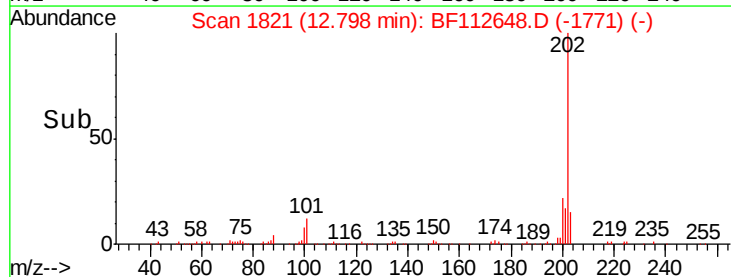
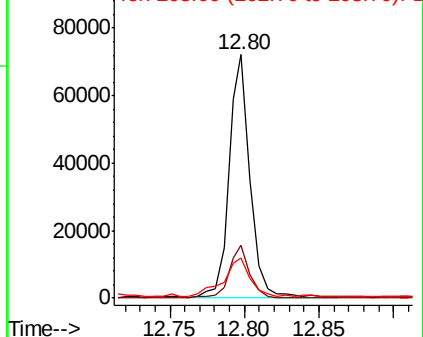
202 100

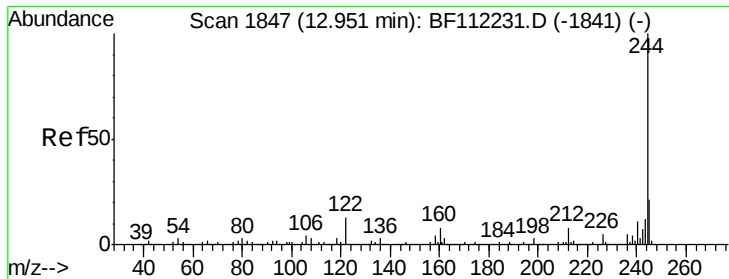
200 21.8 17.7 26.5

203 16.3 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

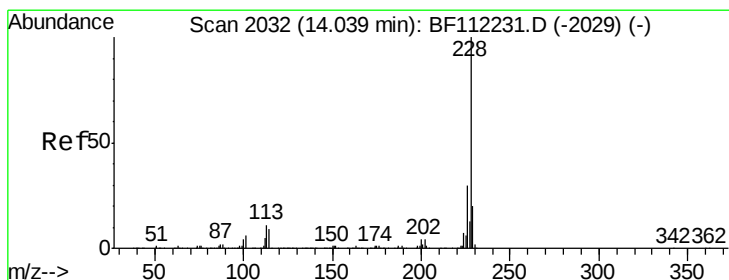
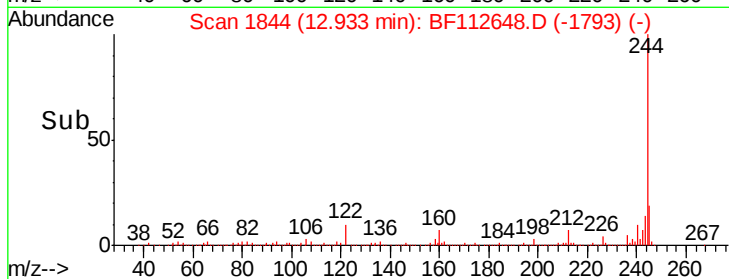
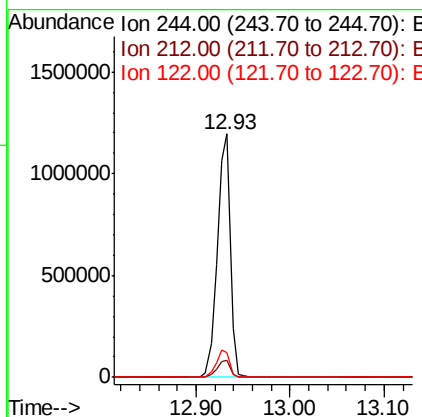
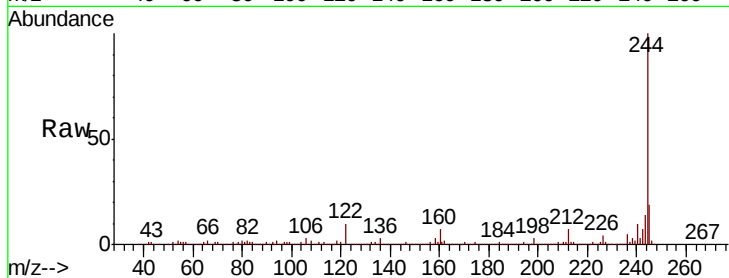




#79
 Terphenyl-d14
 Concen: 75.937 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF112648.D
 Acq: 21 Feb 2019 13:14

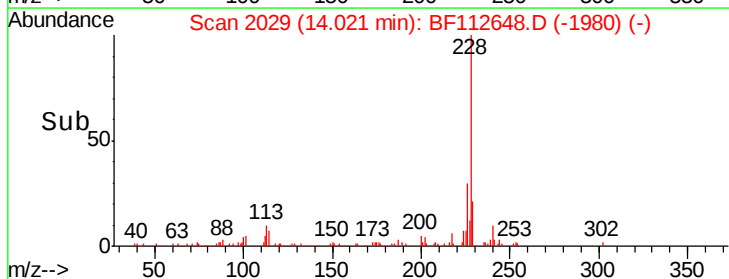
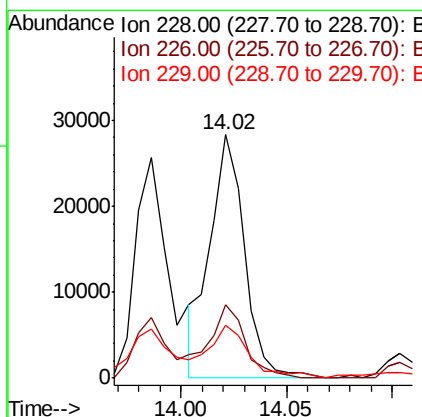
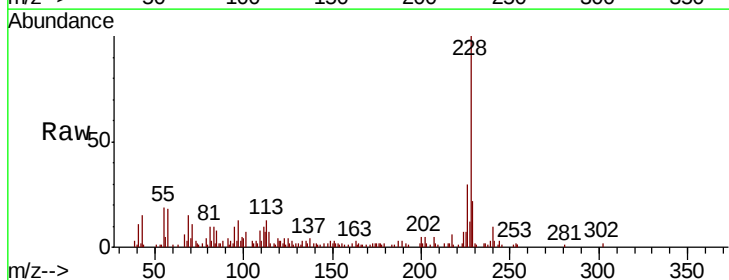
Instrument :
 BNA_F
 ClientSampleId :

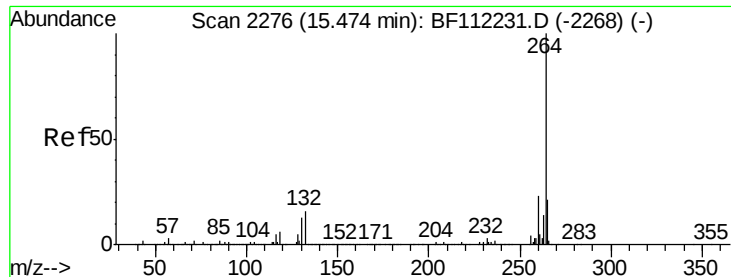
Tot Ion:244 Resp: 1157342
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 10.0 9.8 14.6



#83
 Chrysene
 Concen: 2.003 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF112648.D
 Acq: 21 Feb 2019 13:14

Tgt Ion:228 Resp: 32256
 Ion Ratio Lower Upper
 228 100
 226 30.2 25.0 37.6
 229 22.0 16.6 24.8

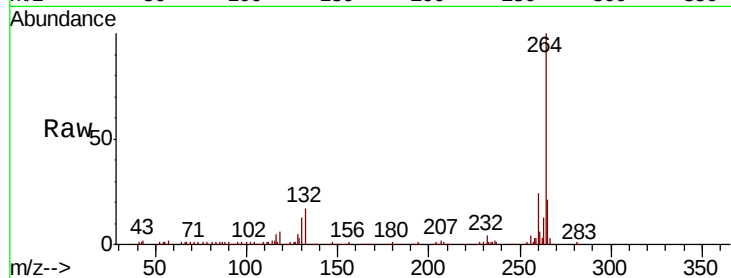




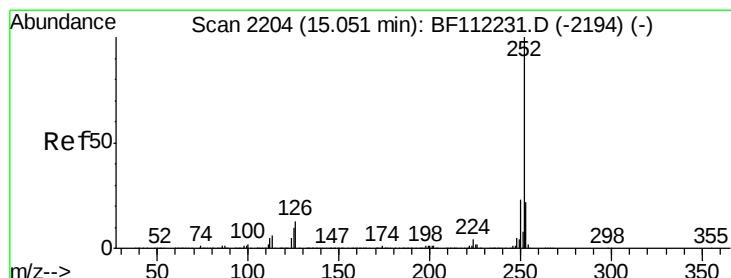
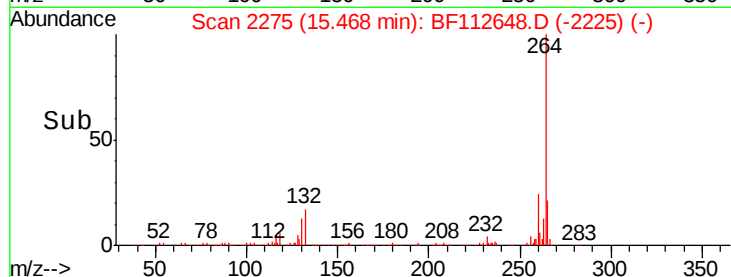
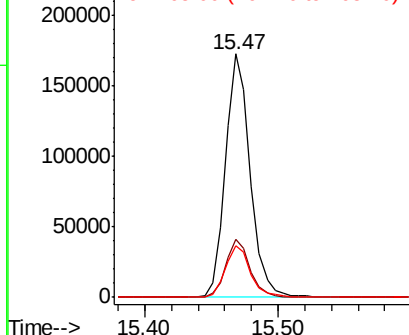
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 225074
Ion Ratio Lower Upper
264 100
260 24.0 18.2 27.2
265 21.5 17.0 25.4

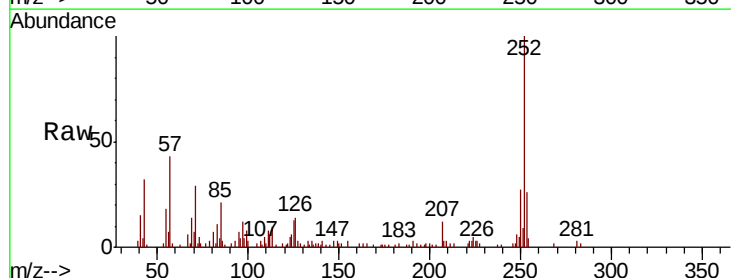


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

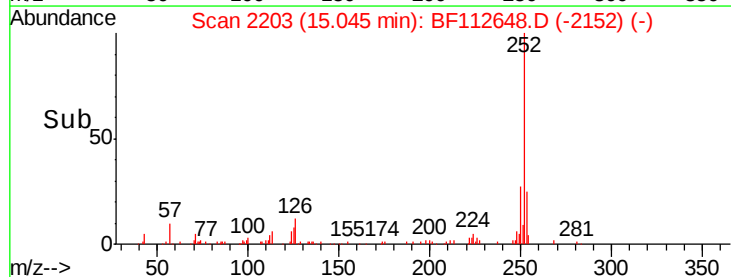
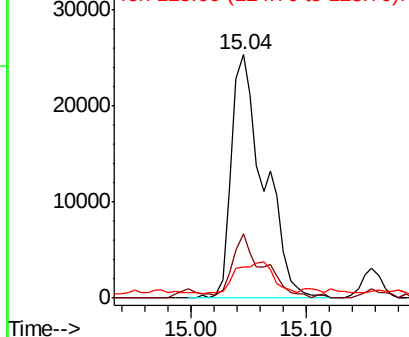


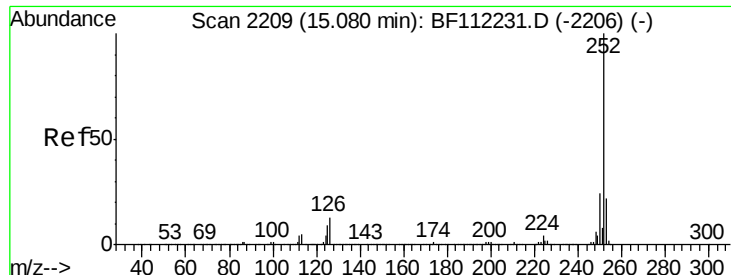
#88
Benzo(b)fluoranthene
Concen: 3.699 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BF112648.D
Acq: 21 Feb 2019 13:14

Tgt Ion:252 Resp: 49795
Ion Ratio Lower Upper
252 100
253 26.5 18.0 27.0
125 12.6 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

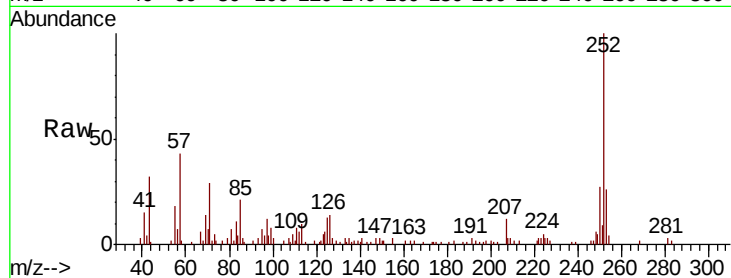




#89
 Benzo(k)fluoranthene
 Concen: 3.862 ng
 RT: 15.04 min Scan# 2203
 Delta R.T. -0.03 min
 Lab File: BF112648.D
 Acq: 21 Feb 2019 13:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.0	27.0
125	12.6	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

