

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112515.D
 Acq On : 12 Feb 2019 17:22
 Operator : JU/SJ
 Sample : K1343-21 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-K

Quant Time: Feb 13 03:39:42 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	129834	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	499148	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	202052	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	317383	20.00	ng	0.00
76) Chrysene-d12	14.01	240	293466	20.00	ng	0.00
87) Perylene-d12	15.49	264	235078	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	455236	74.48	ng	-0.01
7) Phenol-d6	6.48	99	564719	66.49	ng	-0.01
23) Nitrobenzene-d5	7.40	82	347670	40.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	121646	51.72	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	672545	47.08	ng	-0.01
79) Terphenyl-d14	12.94	244	557209	35.76	ng	0.00

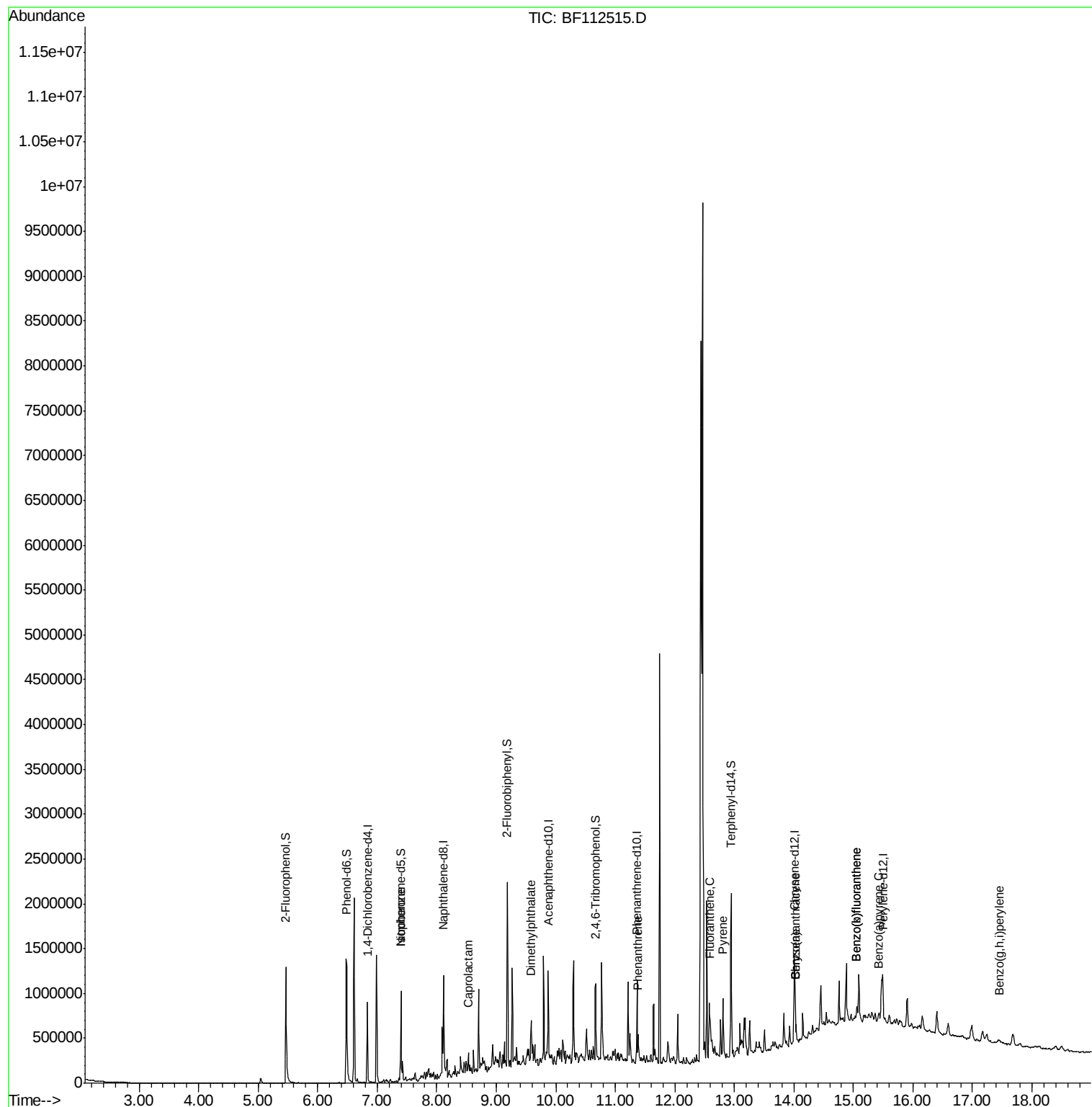
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	344149	25.324	ng	# 64
35) Caprolactam	8.53	113	5200	2.068	ng	# 1
50) Dimethylphthalate	9.58	163	59200	3.771	ng	# 95
71) Phenanthrene	11.39	178	95477	5.786	ng	98
75) Fluoranthene	12.58	202	146322	8.268	ng	98
78) Pyrene	12.81	202	134714	6.630	ng	98
81) Benzo(a)anthracene	14.03	228	71418	4.140	ng	96
83) Chrysene	14.03	228	71418	4.337	ng	95
88) Benzo(b)fluoranthene	15.06	252	96807	6.886	ng	# 83
89) Benzo(k)fluoranthene	15.06	252	96807	7.189	ng	# 83
90) Benzo(a)pyrene	15.43	252	46793	3.699	ng	# 82
92) Benzo(g,h,i)perylene	17.45	276	25525	2.654	ng	# 91

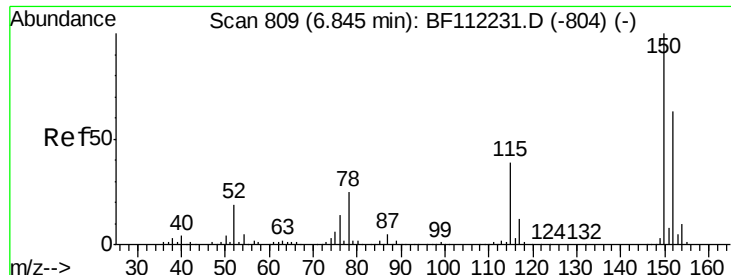
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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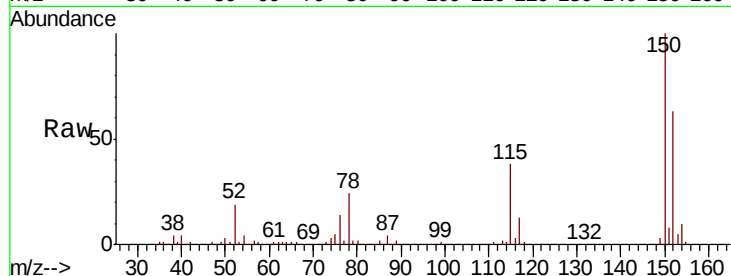


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112515.D
 Acq: 12 Feb 2019 17:22

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-K

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.4	191.0
115	60.3	45.5	68.3

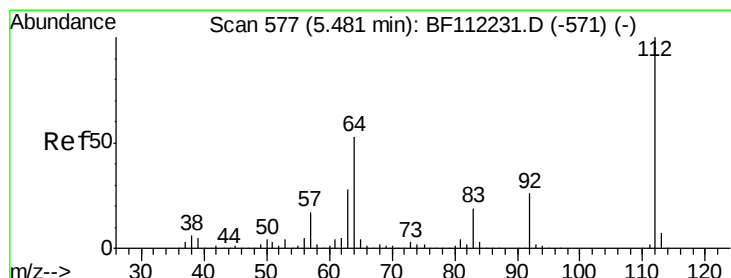
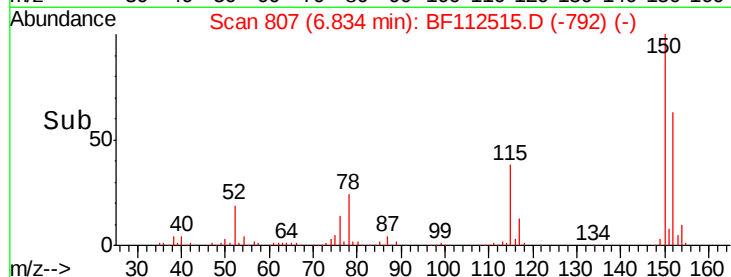
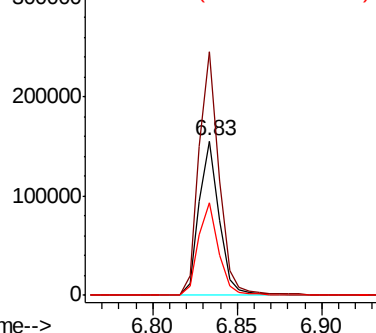


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

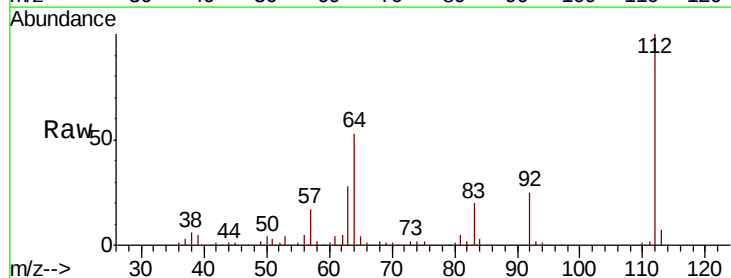
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 74.476 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112515.D
 Acq: 12 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	45.7	68.5
63	28.1	23.6	35.4

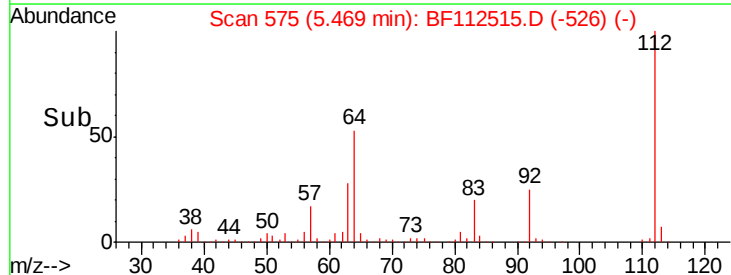
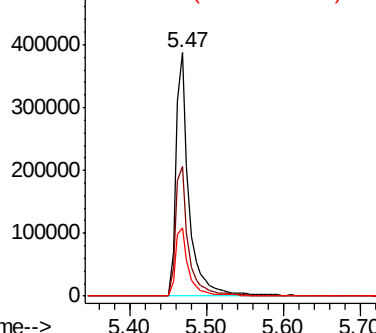


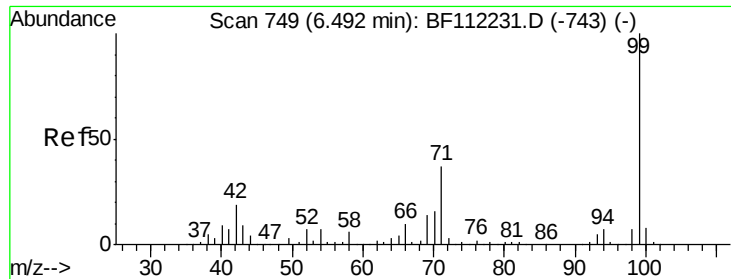
Abundance

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: 66.487 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112515.D

Acq: 12 Feb 2019 17:22

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-K

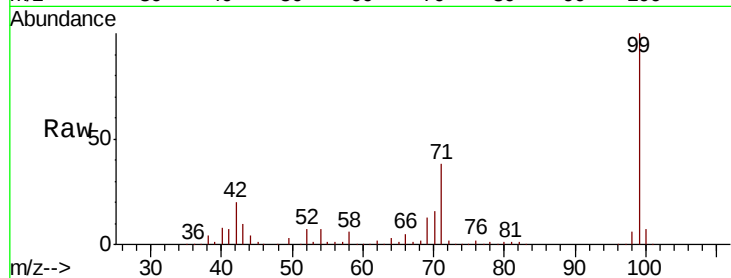
Tgt Ion: 99 Resp: 564719

Ion Ratio Lower Upper

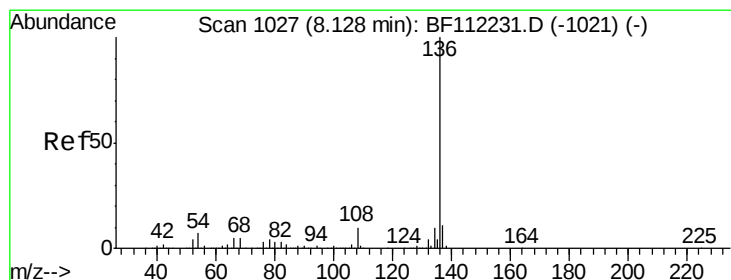
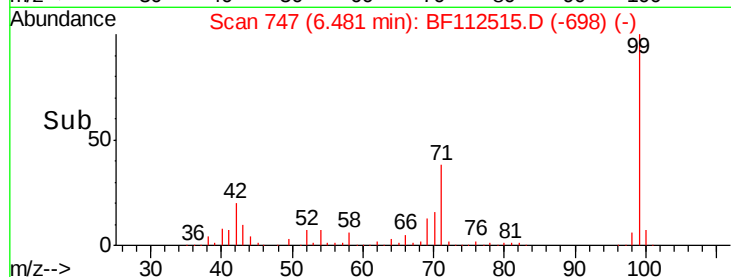
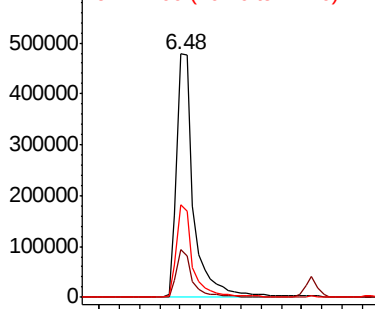
99 100

42 19.8 15.1 22.7

71 37.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112515.D

Acq: 12 Feb 2019 17:22

Tgt Ion: 136 Resp: 499148

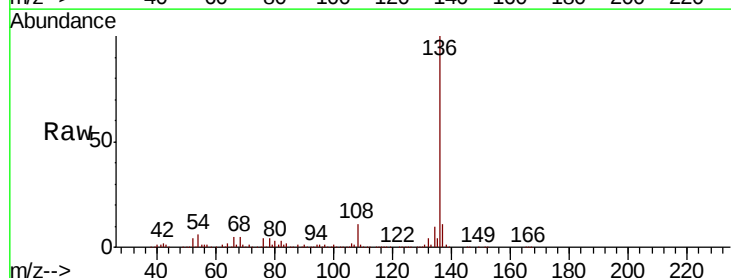
Ion Ratio Lower Upper

136 100

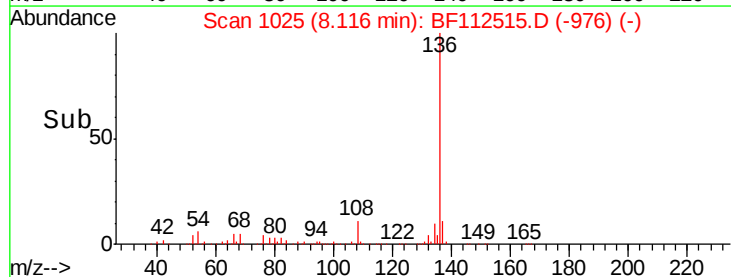
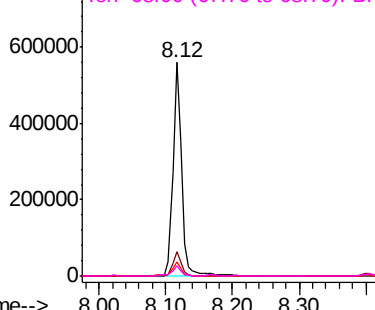
137 11.2 9.1 13.7

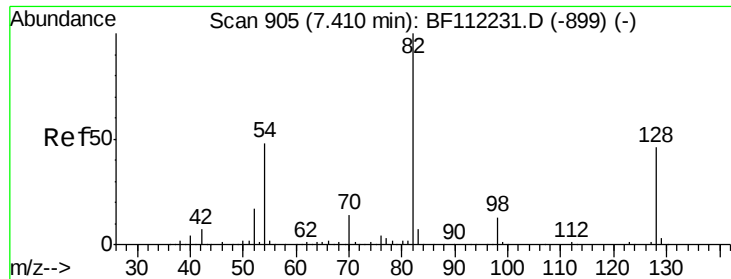
54 6.4 5.9 8.9

68 4.9 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

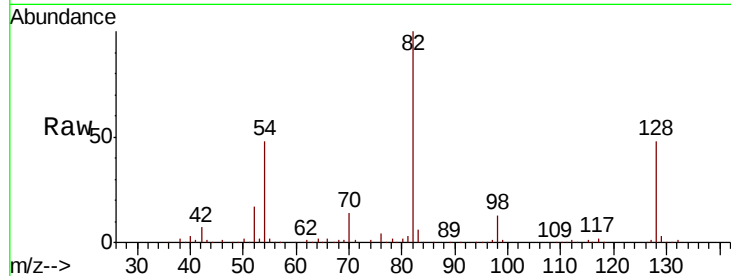




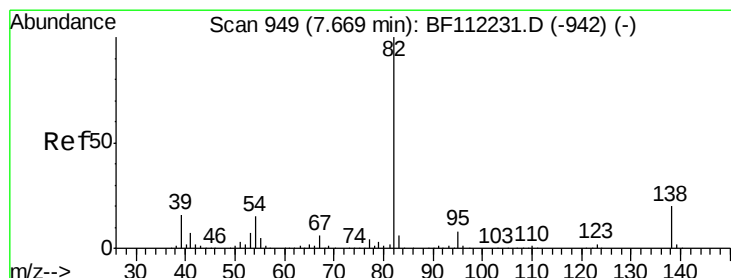
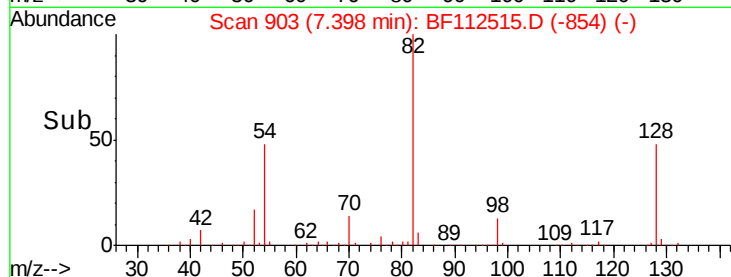
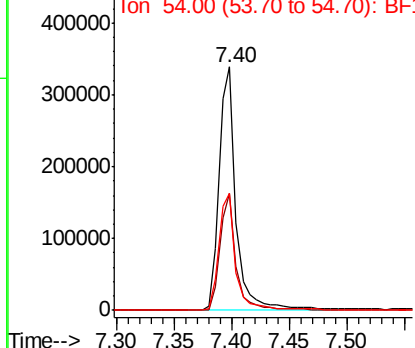
#23
Nitrobenzene-d5
Concen: 40.134 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

Tgt Ion: 82 Resp: 347670
Ion Ratio Lower Upper
82 100
128 48.2 37.8 56.8
54 48.0 39.7 59.5

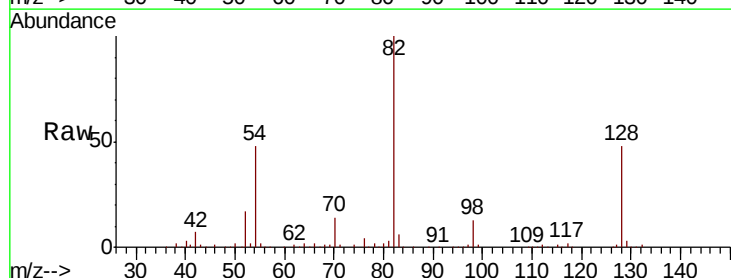


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

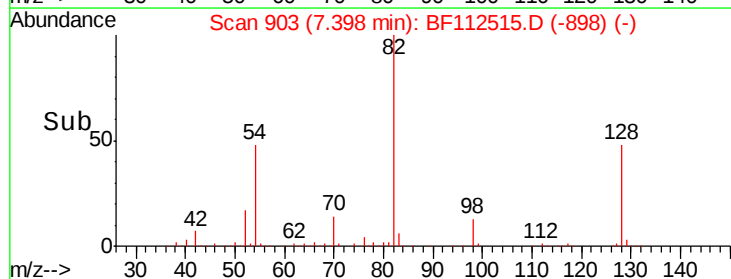
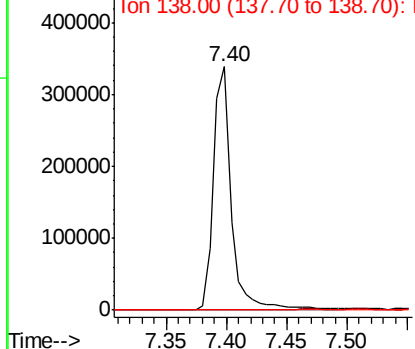


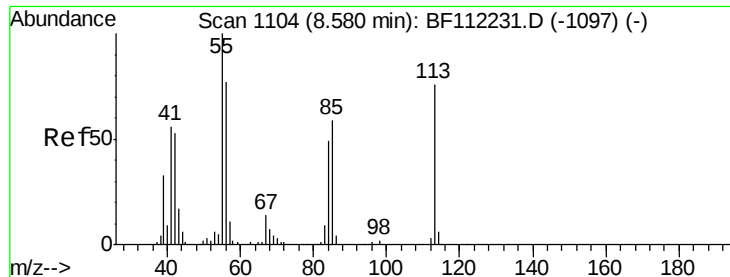
#25
Isophorone
Concen: 25.324 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion: 82 Resp: 344149
Ion Ratio Lower Upper
82 100
95 0.2 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

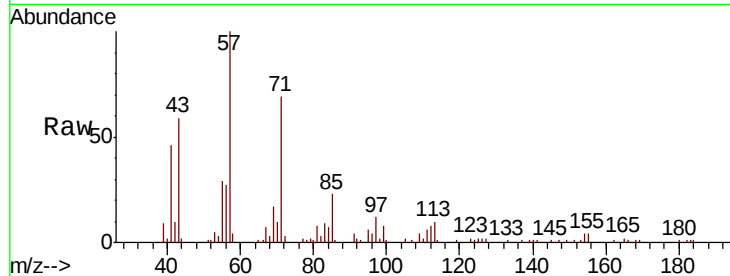




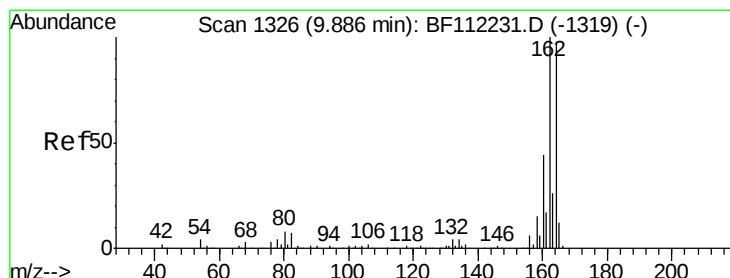
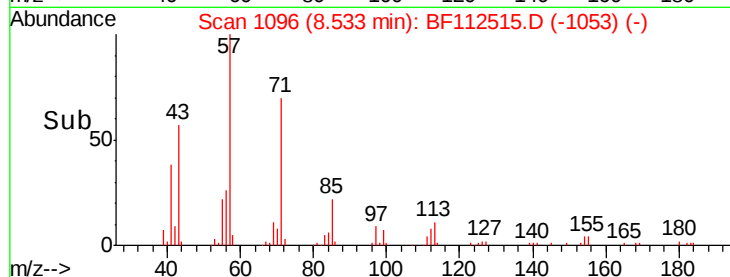
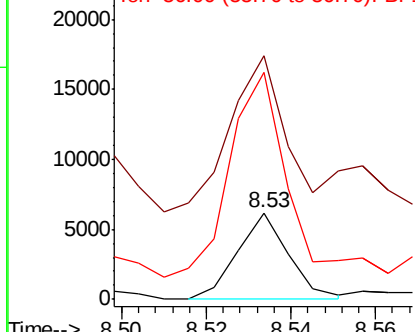
#35
 Caprolactam
 Concen: 2.068 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.05 min
 Lab File: BF112515.D
 Acq: 12 Feb 2019 17:22

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-K

Tgt Ion:113 Resp: 5200
 Ion Ratio Lower Upper
 113 100
 55 282.6 121.6 161.6#
 56 262.9 86.7 126.7#

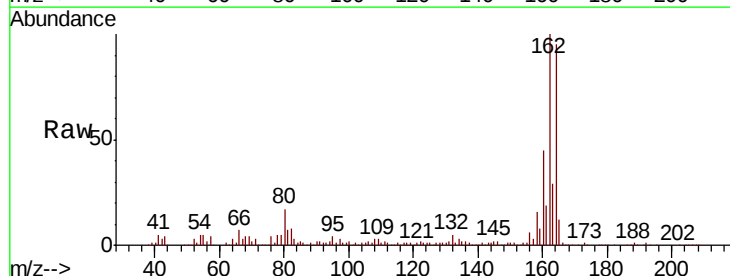


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

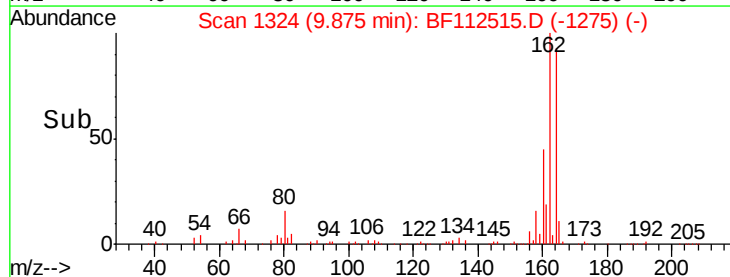
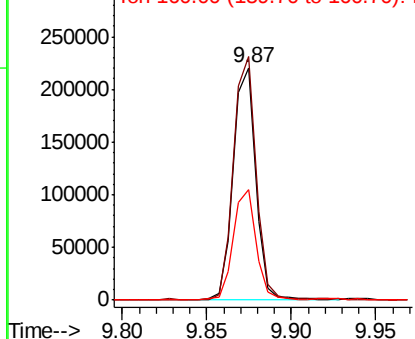


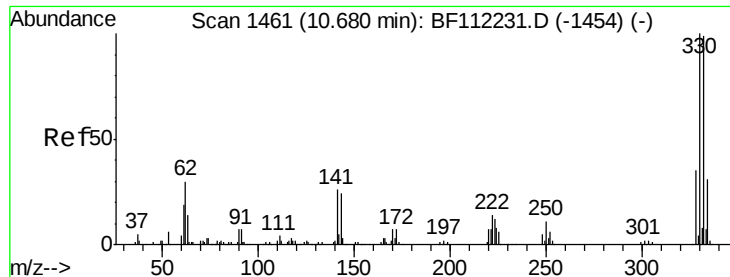
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF112515.D
 Acq: 12 Feb 2019 17:22

Tgt Ion:164 Resp: 202052
 Ion Ratio Lower Upper
 164 100
 162 104.8 82.2 123.4
 160 47.6 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

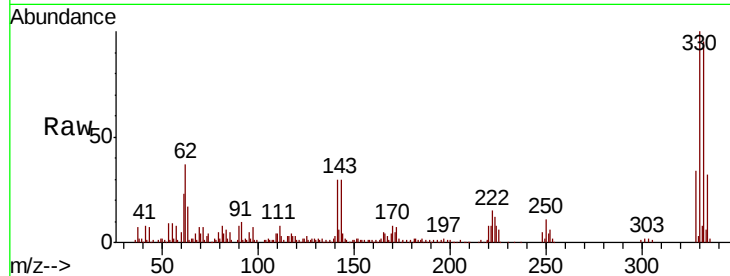




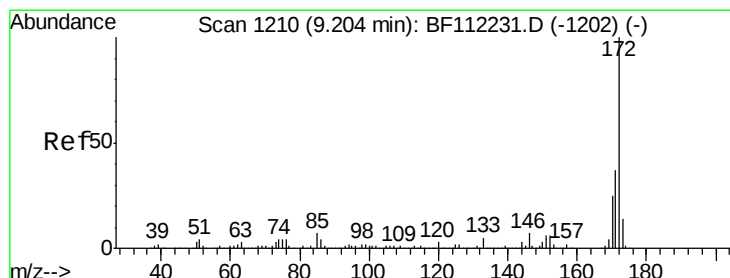
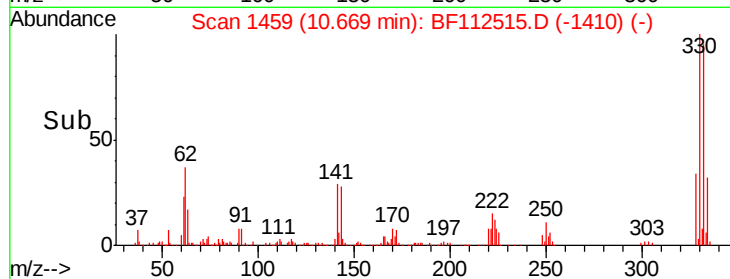
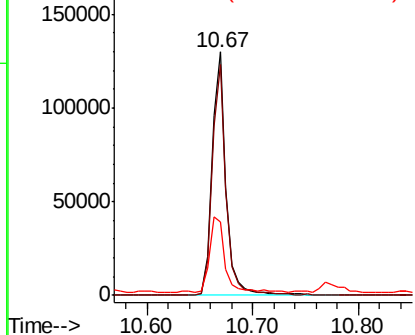
#42
 2,4,6-Tribromophenol
 Concen: 51.724 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112515.D
 Acq: 12 Feb 2019 17:22

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-K

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.6	114.8
141	34.6	24.3	36.5

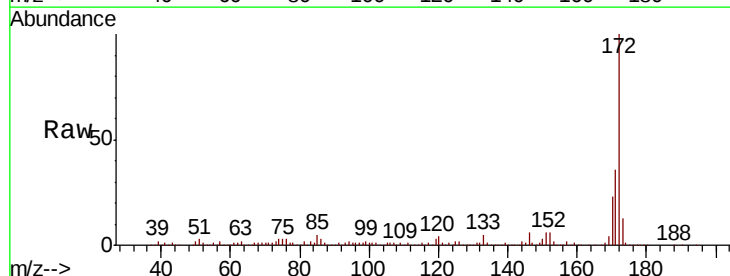


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

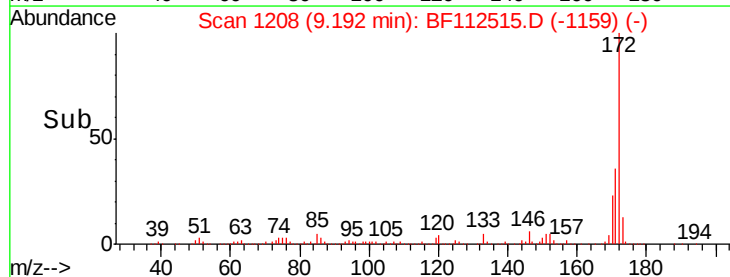
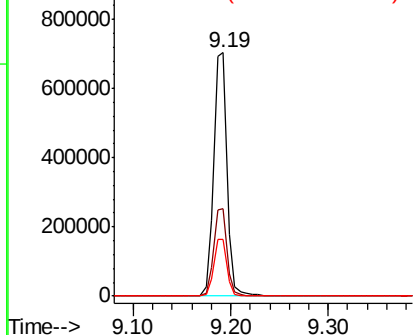


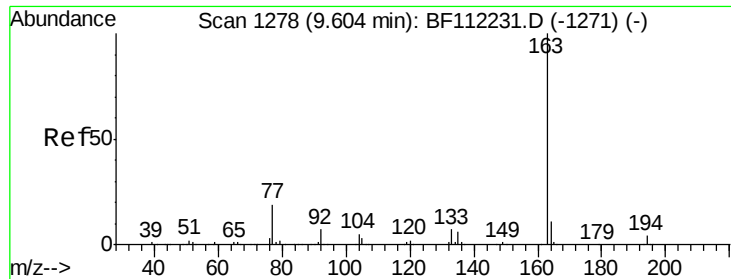
#45
 2-Fluorobiphenyl
 Concen: 47.077 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112515.D
 Acq: 12 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.5	45.7
170	23.2	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

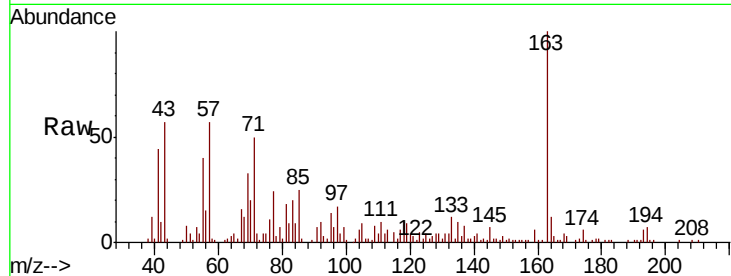




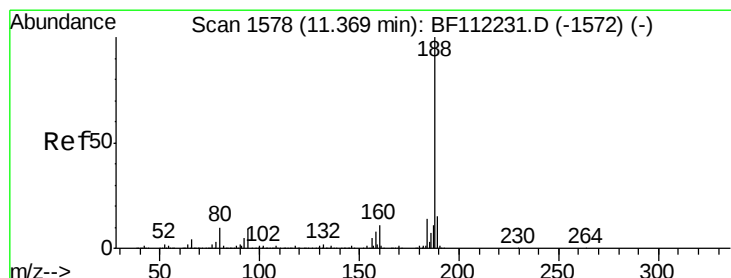
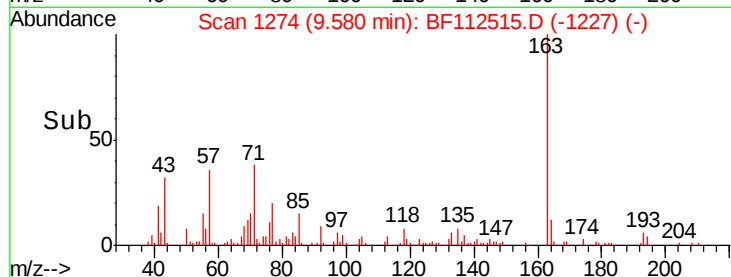
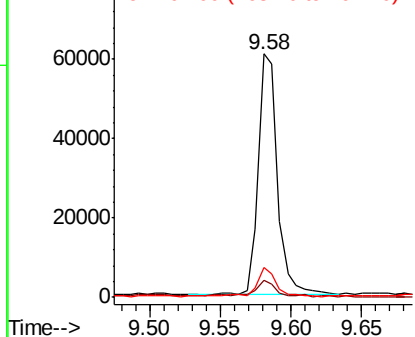
#50
Dimethylphthalate
Concen: 3.771 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

Tgt Ion:163 Resp: 59200
Ion Ratio Lower Upper
163 100
194 6.9 3.3 4.9#
164 12.1 8.5 12.7

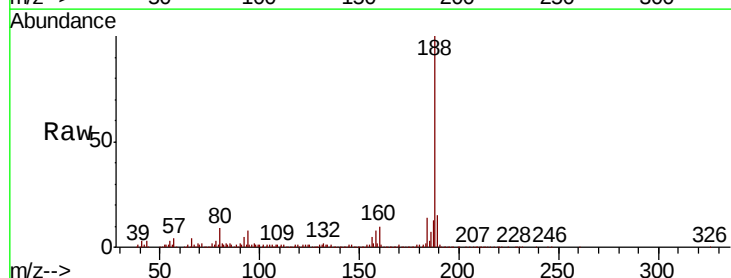


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

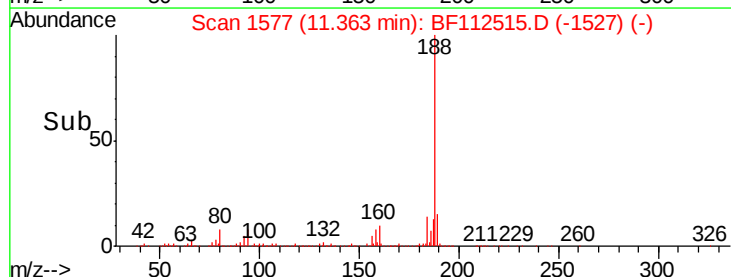
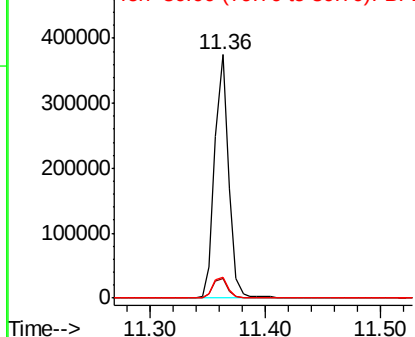


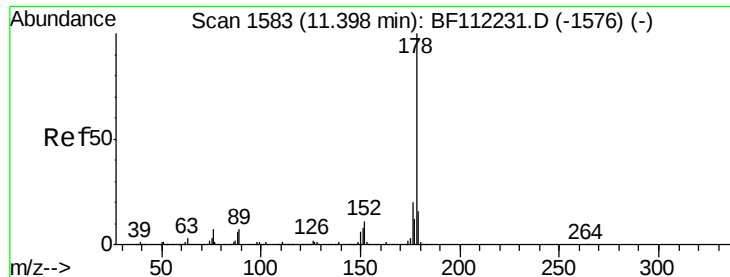
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:188 Resp: 317383
Ion Ratio Lower Upper
188 100
94 7.8 8.2 12.2#
80 8.6 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

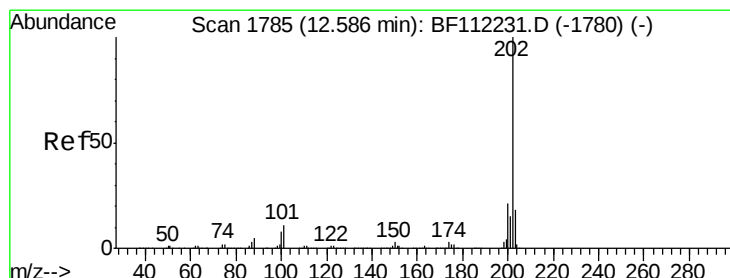
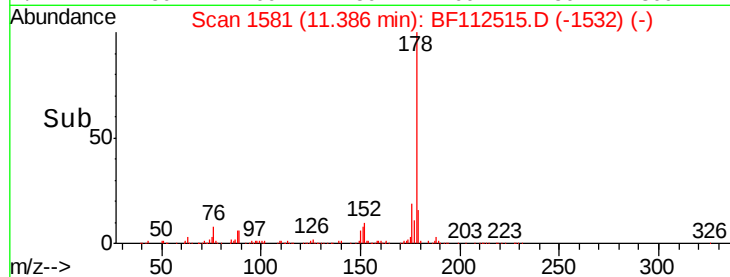
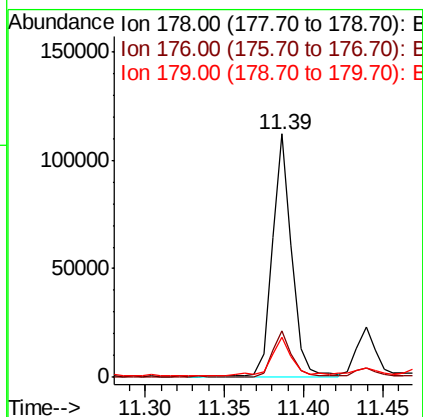
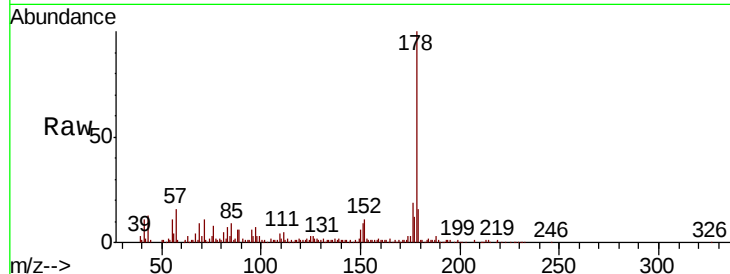




#71
Phenanthrene
Concen: 5.786 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

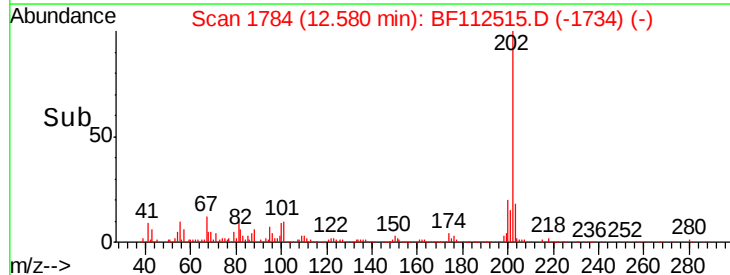
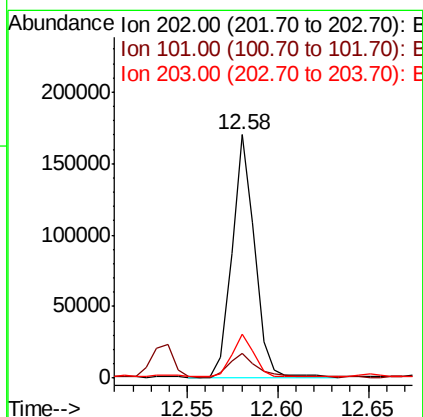
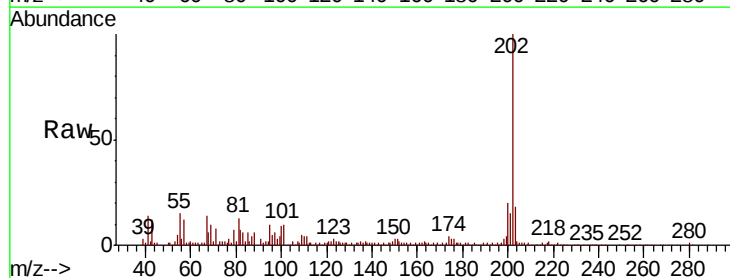
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

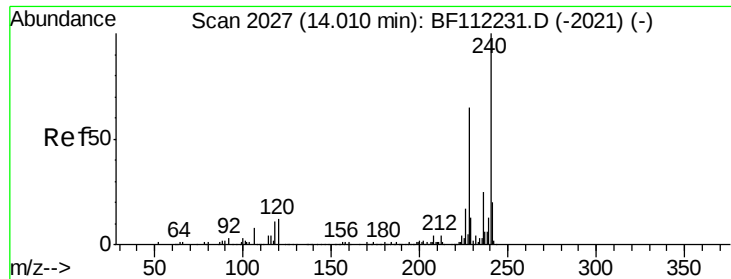
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	16.4	13.0	19.4



#75
Fluoranthene
Concen: 8.268 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.8
203	18.2	0.0	38.4

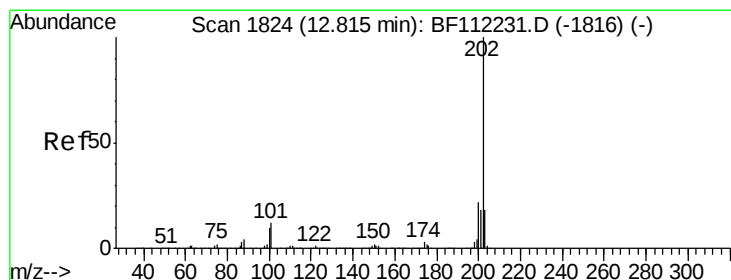
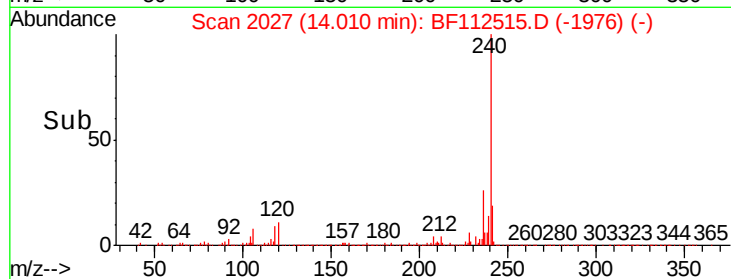
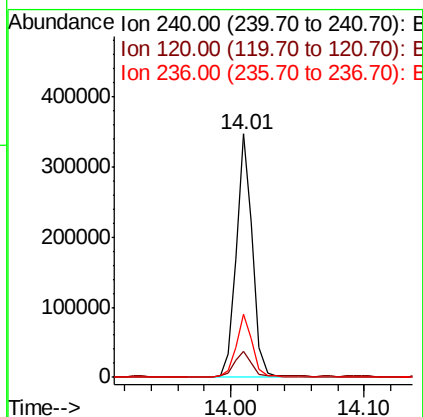
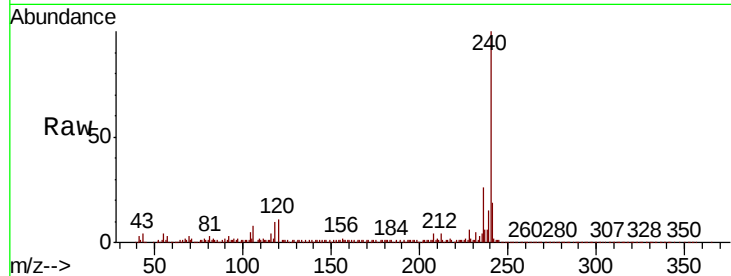




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

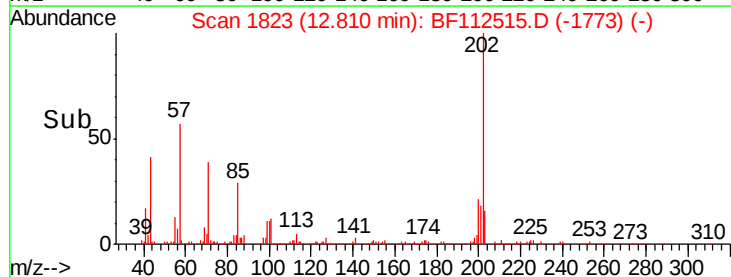
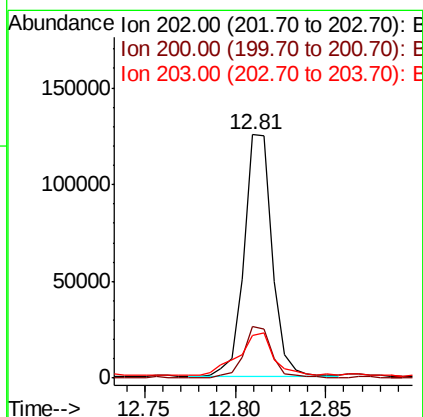
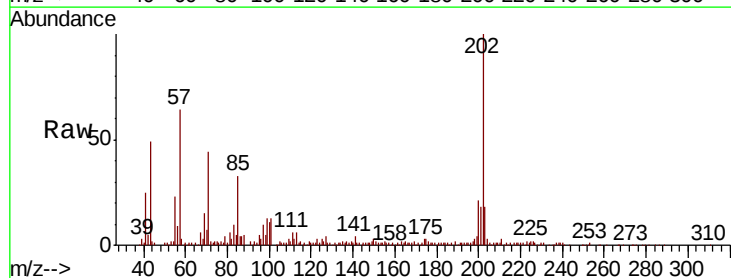
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

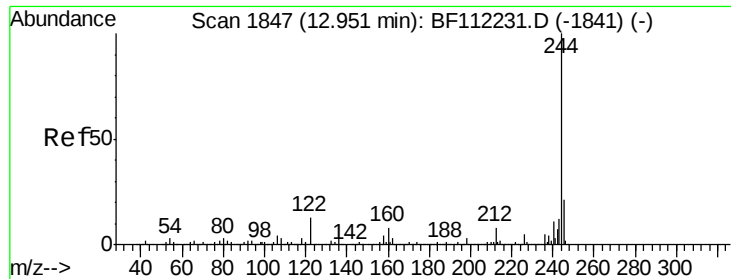
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.6
236	25.8	20.7	31.1



#78
Pyrene
Concen: 6.630 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.7	14.6	22.0

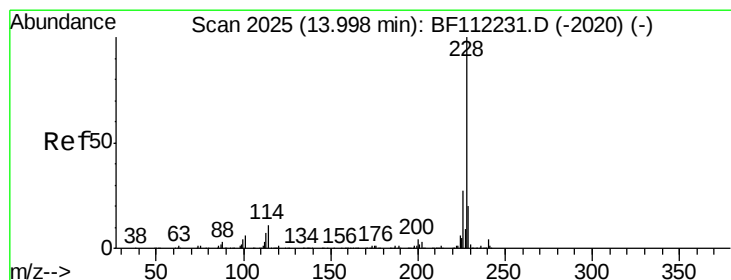
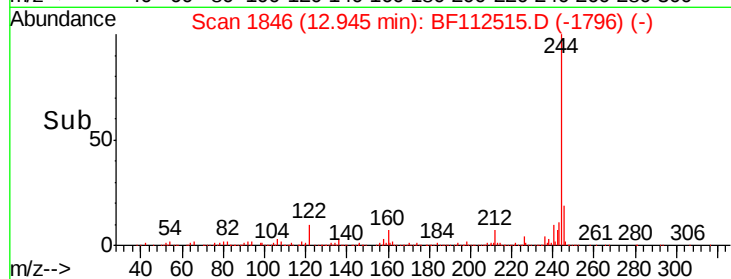
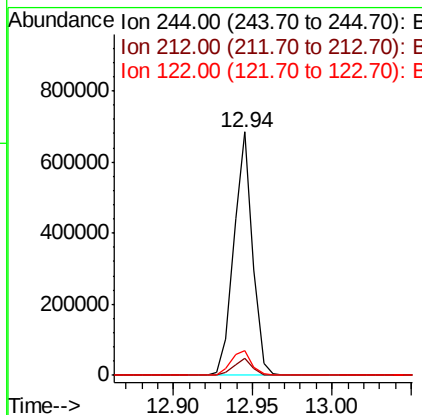
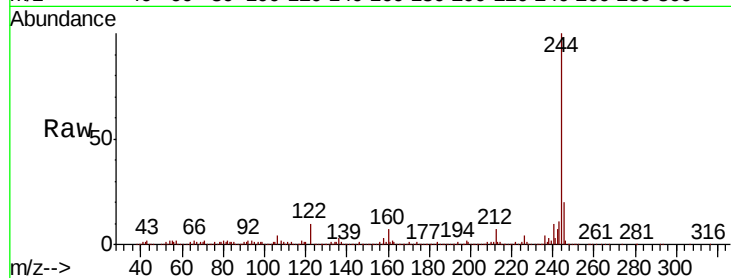




#79
 Terphenyl-d14
 Concen: 35.761 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112515.D
 Acq: 12 Feb 2019 17:22

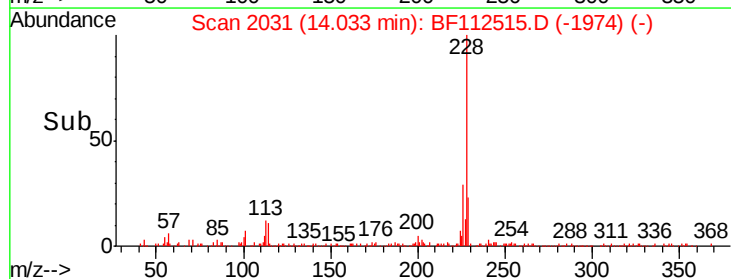
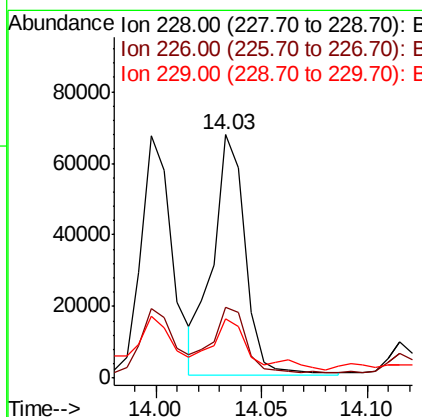
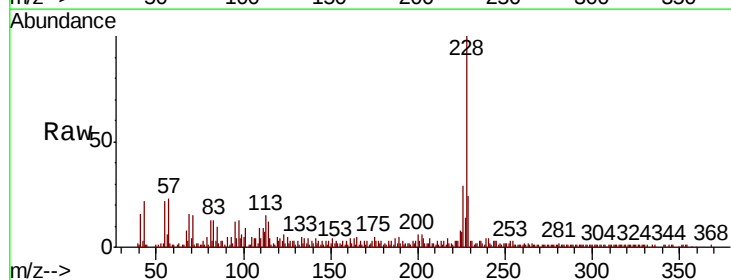
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-K

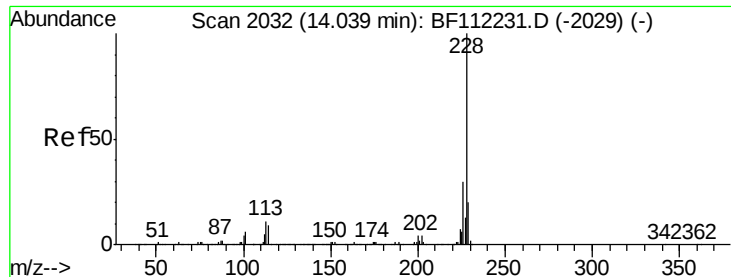
Tgt Ion:244 Resp: 557209
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 10.3 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 4.140 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.04 min
 Lab File: BF112515.D
 Acq: 12 Feb 2019 17:22

Tgt Ion:228 Resp: 71418
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 34.0
 229 24.3 16.5 24.7

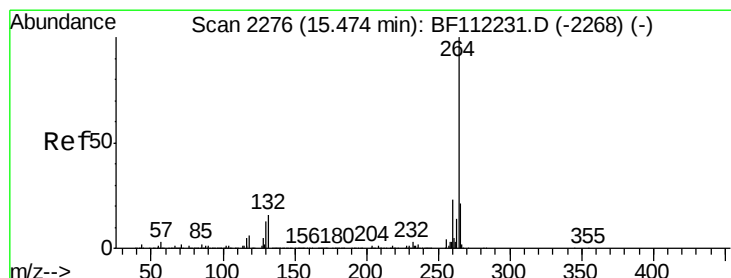
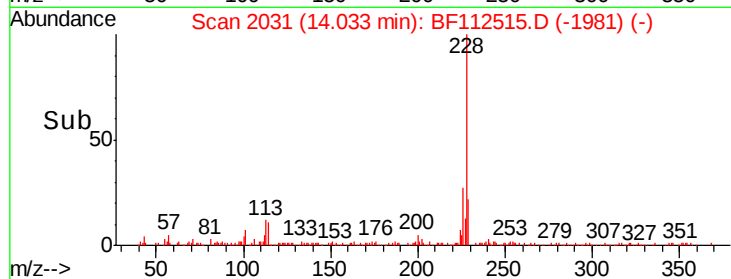
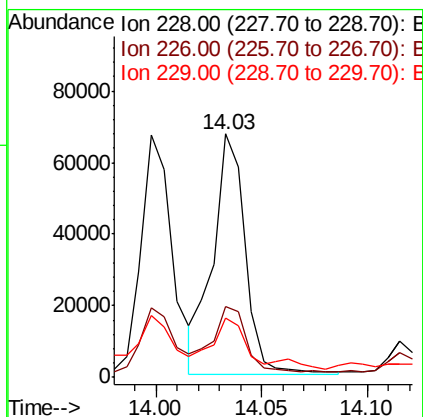
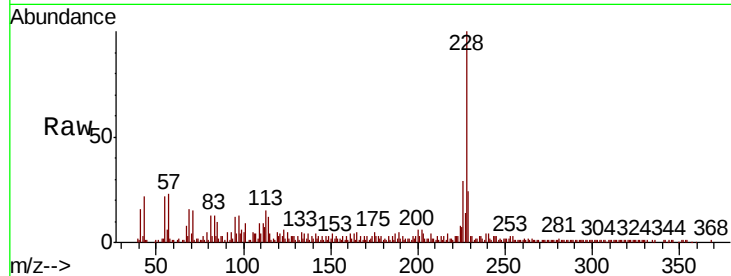




#83
Chrysene
Concen: 4.337 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

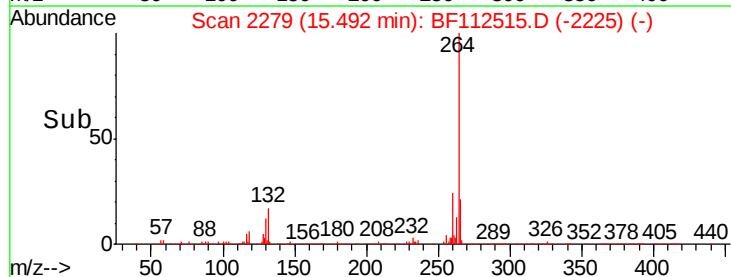
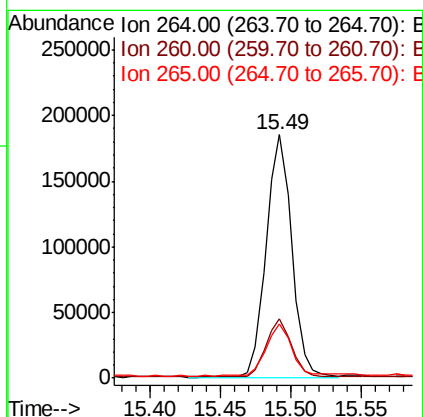
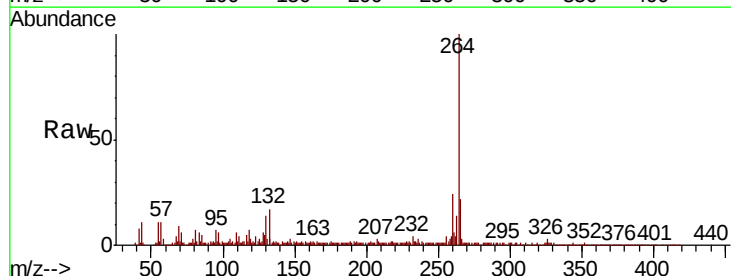
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

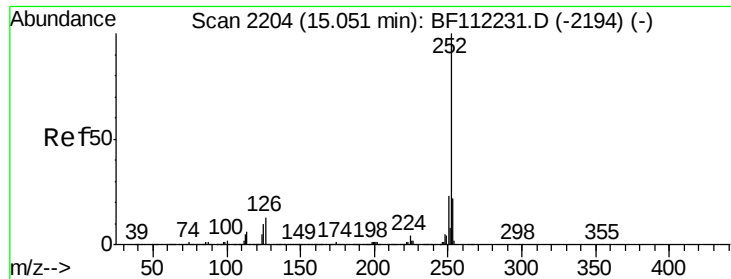
Tgt Ion: 228 Resp: 71418
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.6
229 24.3 16.6 24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion: 264 Resp: 235078
Ion Ratio Lower Upper
264 100
260 24.5 18.2 27.2
265 22.1 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 6.886 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.01 min

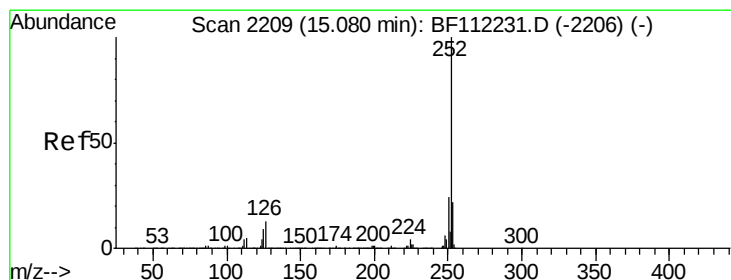
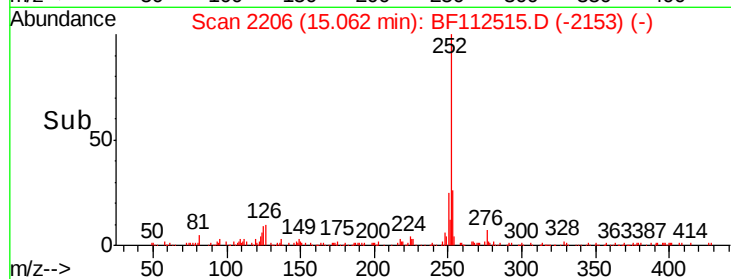
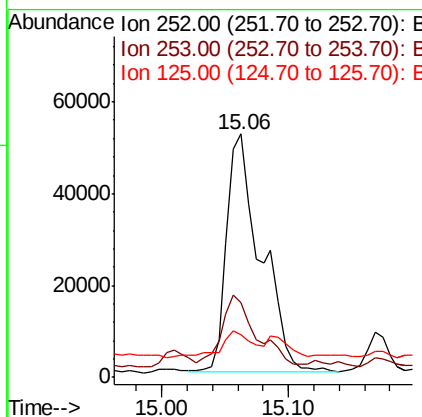
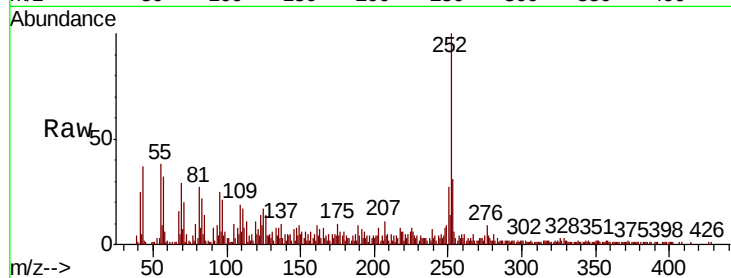
Lab File: BF112515.D

Acq: 12 Feb 2019 17:22

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

Tgt Ion:252 Resp: 96807

Ion	Ratio	Lower	Upper
252	100		
253	30.8	18.0	27.0#
125	17.3	8.7	13.1#



#89

Benzo(k)fluoranthene

Concen: 7.189 ng

RT: 15.06 min Scan# 2206

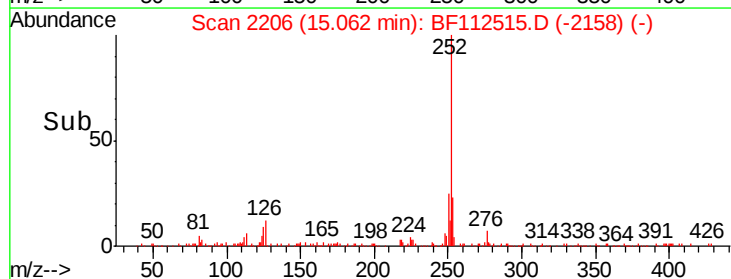
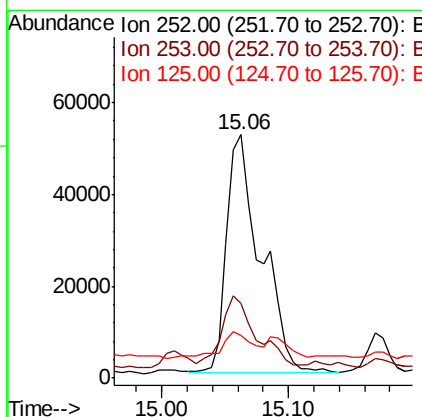
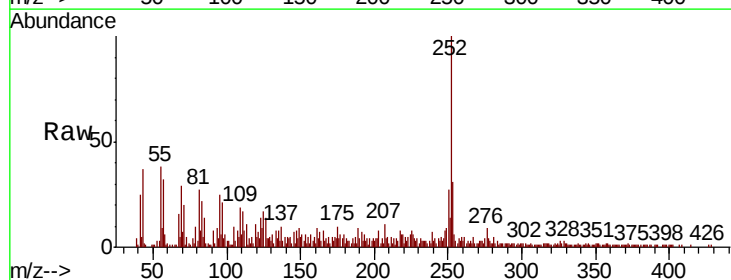
Delta R.T. -0.02 min

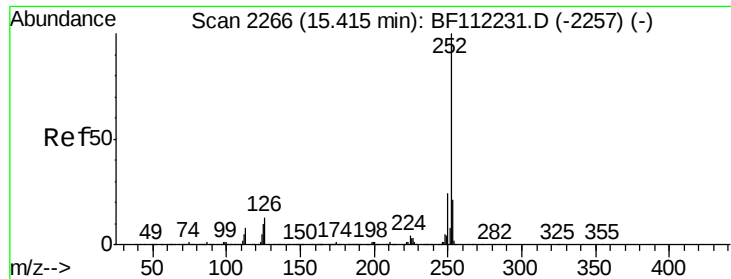
Lab File: BF112515.D

Acq: 12 Feb 2019 17:22

Tgt Ion:252 Resp: 96807

Ion	Ratio	Lower	Upper
252	100		
253	30.8	18.0	27.0#
125	17.3	9.1	13.7#

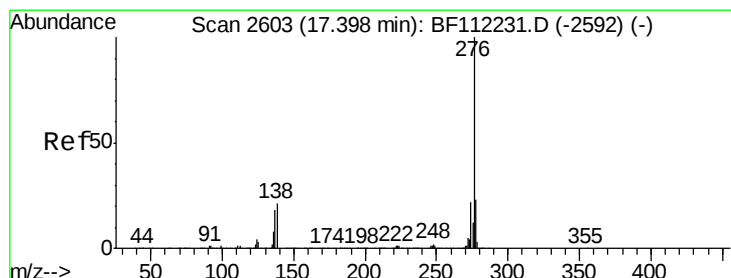
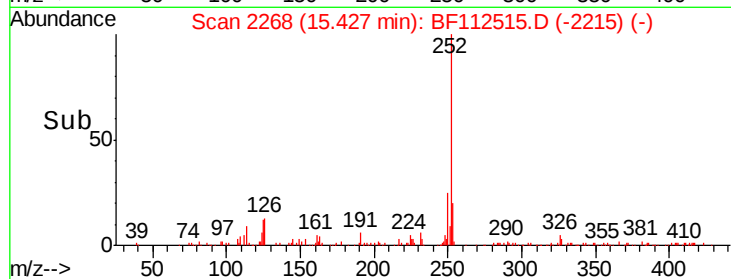
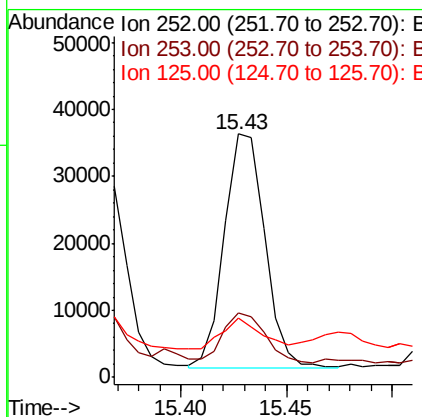
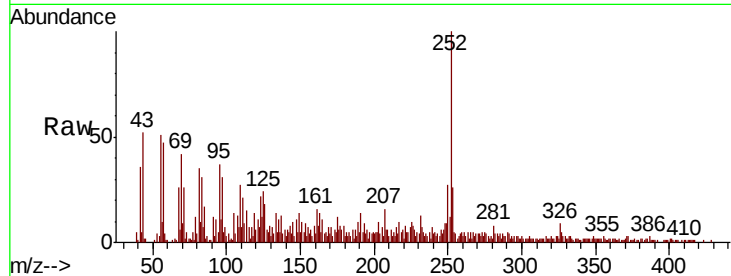




#90
Benzo(a)pyrene
Concen: 3.699 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.5	26.3#
125	24.1	9.0	13.4#



#92
Benzo(g,h,i)perylene
Concen: 2.654 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.05 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.4	29.0
138	29.7	19.1	28.7#

