

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112824.D
 Acq On : 4 Mar 2019 15:12
 Operator : JU/SJ
 Sample : 1688-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-A

Quant Time: Mar 05 00:36:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	176316	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	642549	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	271170	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	483880	20.00	ng	0.00
76) Chrysene-d12	13.88	240	497293	20.00	ng	0.00
87) Perylene-d12	15.29	264	434648	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	686929	60.60	ng	0.00
7) Phenol-d6	6.37	99	882046	61.95	ng	0.00
23) Nitrobenzene-d5	7.30	82	514122	47.88	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	202551	70.36	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	812849	43.59	ng	0.00
79) Terphenyl-d14	12.83	244	780087	30.41	ng	0.00

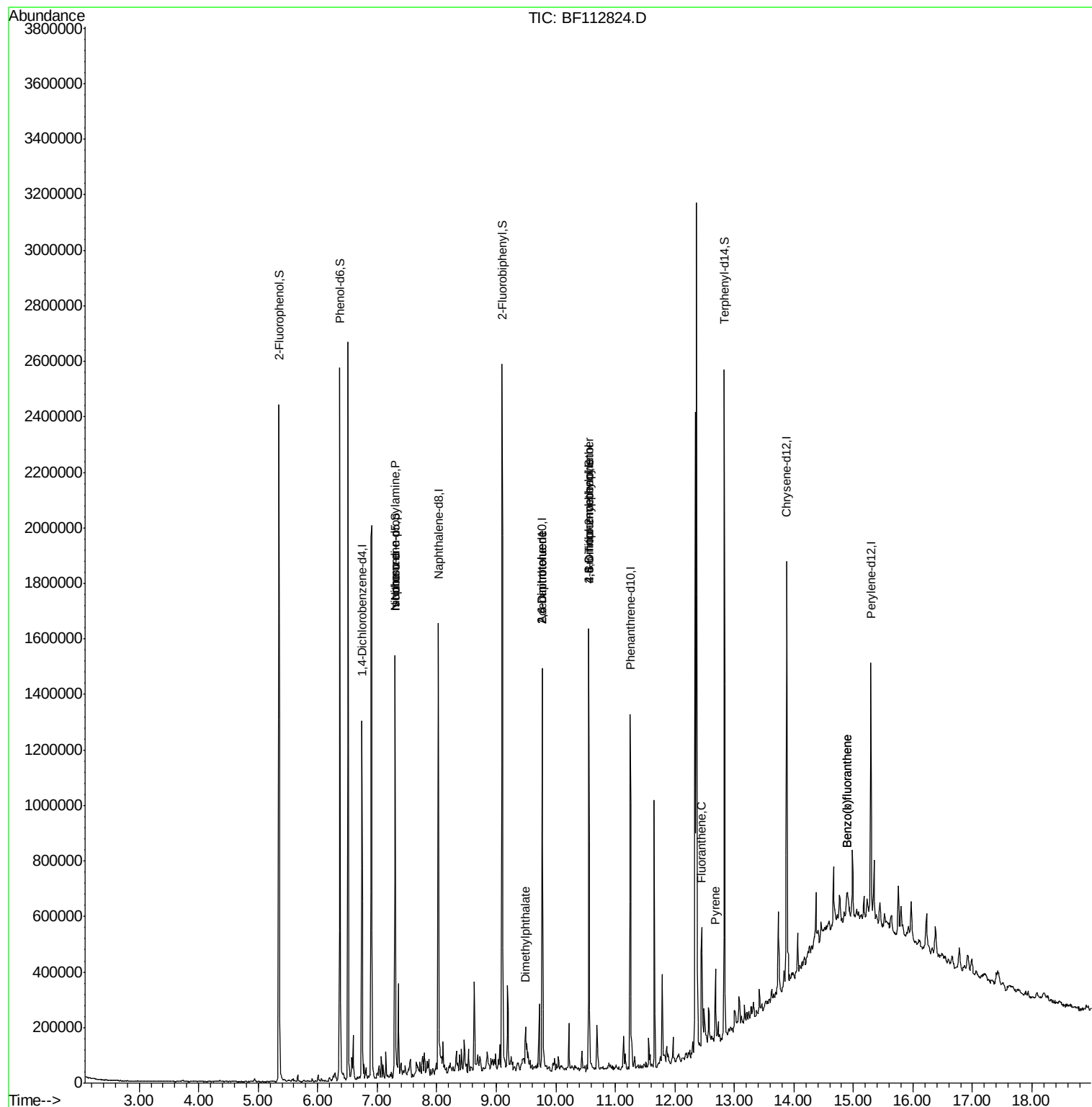
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	67837	7.523	ng	# 78
25) Isophorone	7.30	82	496639	21.468	ng	# 66
50) Dimethylphthalate	9.49	163	53730	2.687	ng	# 97
51) 2,6-Dinitrotoluene	9.77	165	36483	8.762	ng	# 19
57) 2,4-Dinitrotoluene	9.77	165	36483	7.049	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	217	4.711	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	11409	2.239	ng	# 1
75) Fluoranthene	12.46	202	90469	3.507	ng	99
78) Pyrene	12.69	202	87140	2.079	ng	98
88) Benzo(b)fluoranthene	14.89	252	63251	2.250	ng	# 80
89) Benzo(k)fluoranthene	14.89	252	63251	2.484	ng	# 79

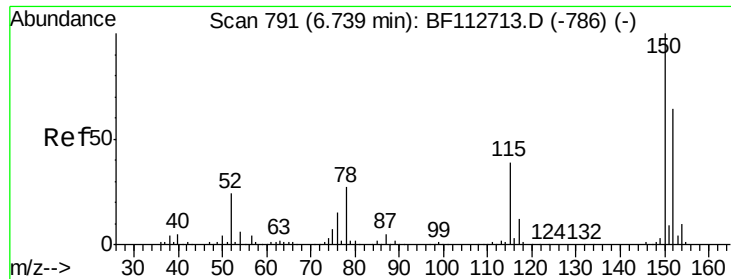
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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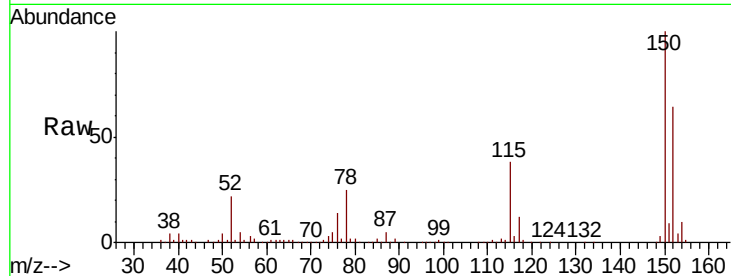


#1

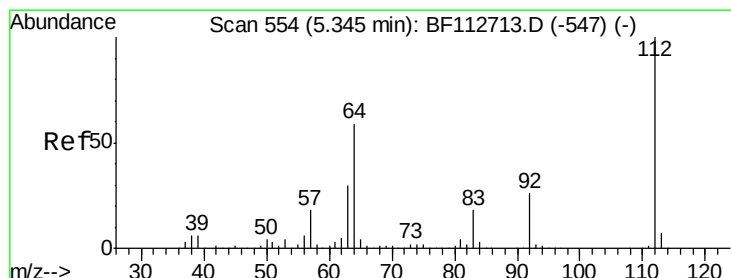
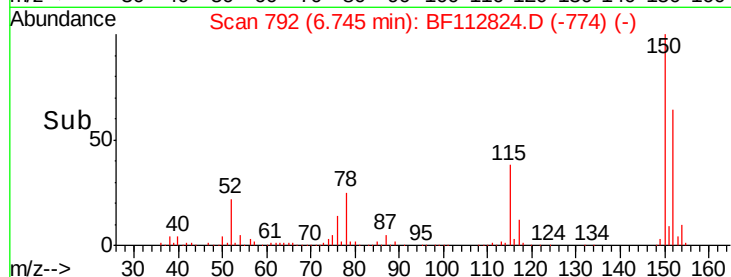
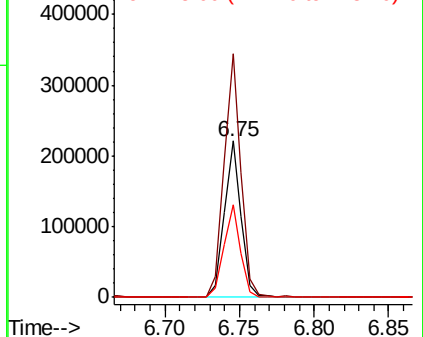
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-A

Tgt Ion:152 Resp: 176316
Ion Ratio Lower Upper
152 100
150 156.0 124.2 186.2
115 59.6 48.2 72.4



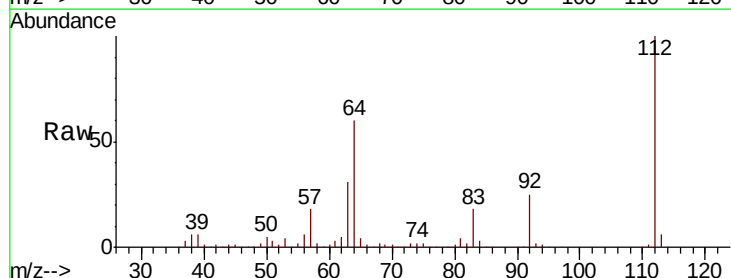
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



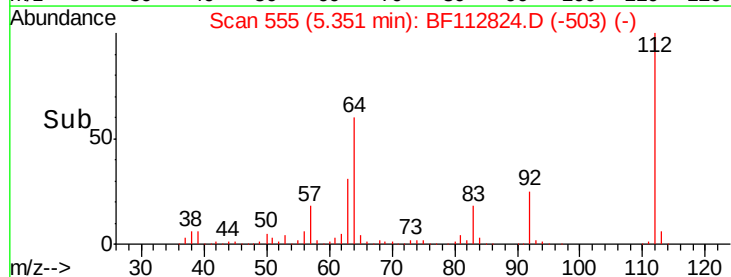
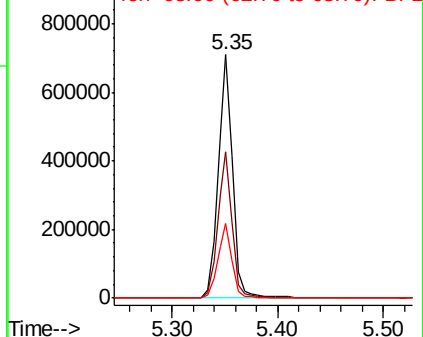
#5

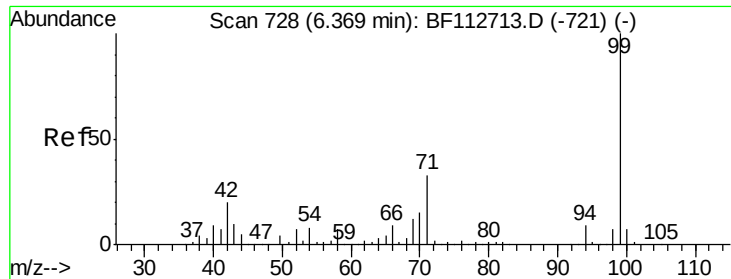
2-Fluorophenol
Concen: 60.604 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

Tgt Ion:112 Resp: 686929
Ion Ratio Lower Upper
112 100
64 60.3 47.6 71.4
63 30.6 24.4 36.6



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: 61.949 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112824.D

Acq: 4 Mar 2019 15:12

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-A

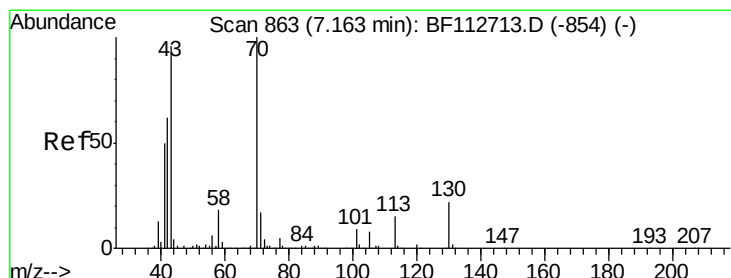
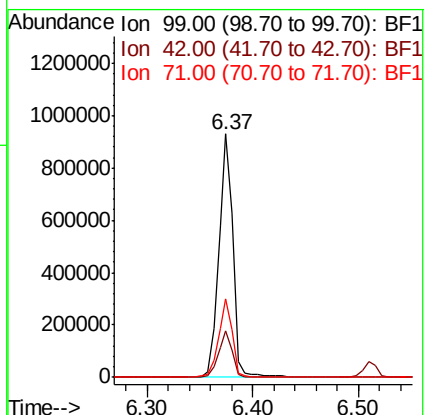
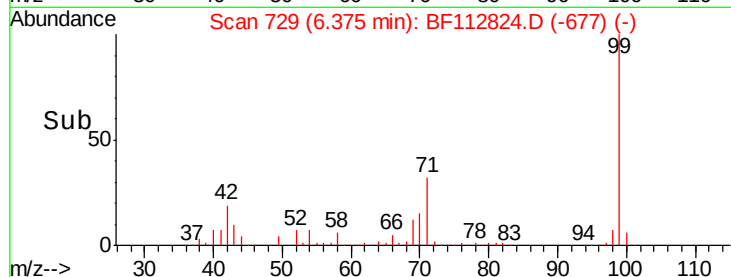
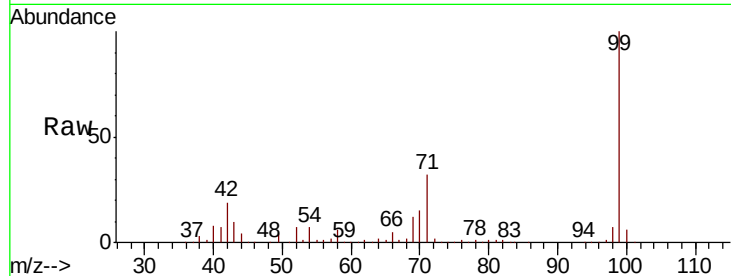
Tgt Ion: 99 Resp: 882046

Ion Ratio Lower Upper

99 100

42 18.9 16.3 24.5

71 32.3 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 7.523 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112824.D

Acq: 4 Mar 2019 15:12

Tgt Ion: 70 Resp: 67837

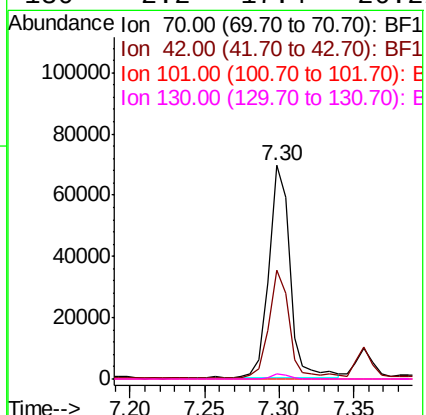
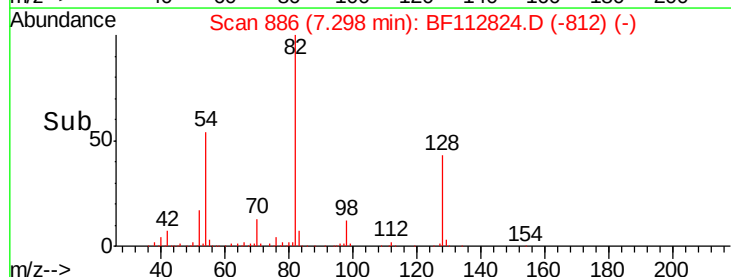
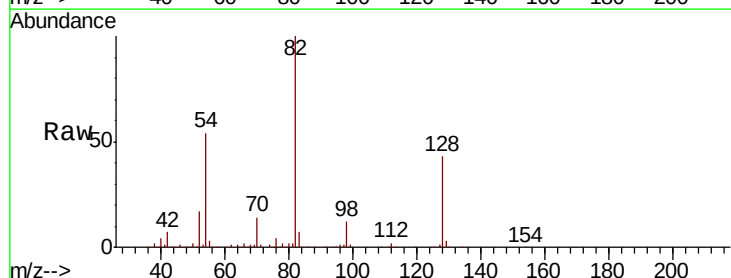
Ion Ratio Lower Upper

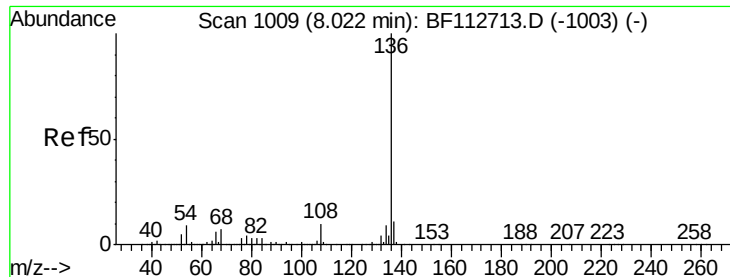
70 100

42 50.7 49.9 74.9

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

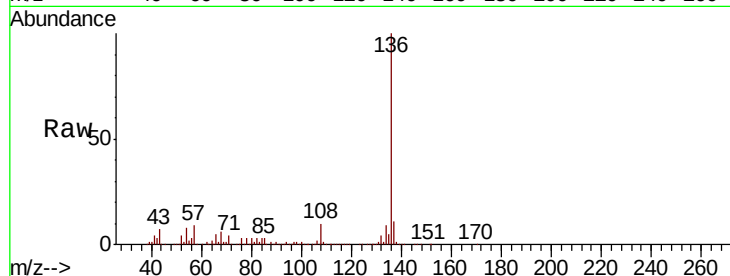




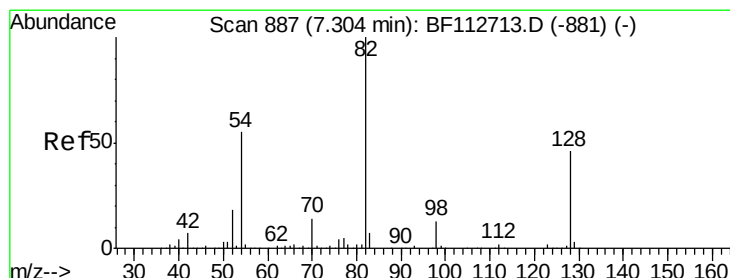
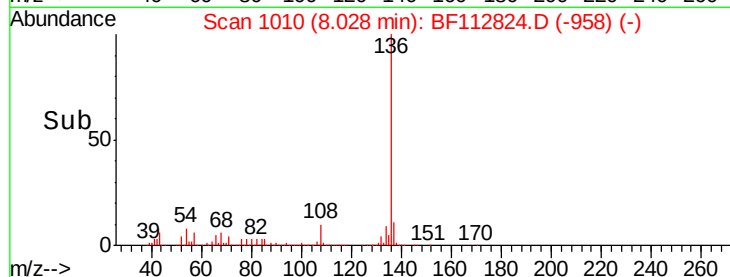
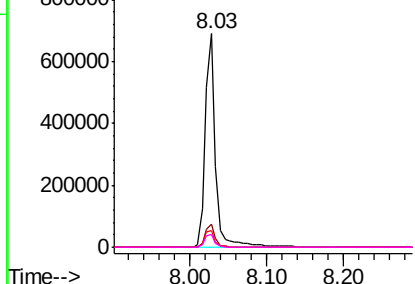
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-A

Tgt Ion:	136	Resp:	642549
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.1	7.3	10.9
68	5.8	5.4	8.2

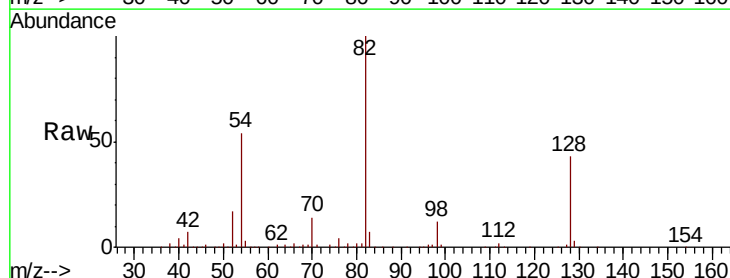


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

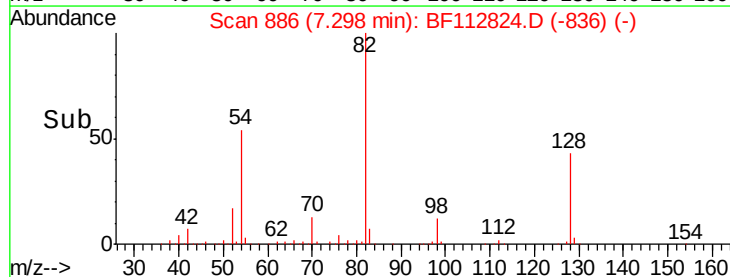
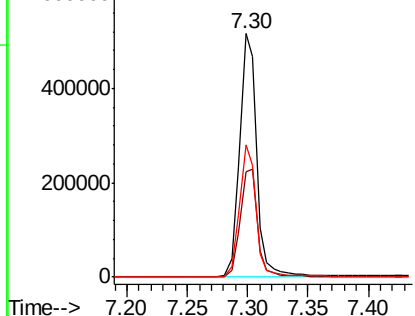


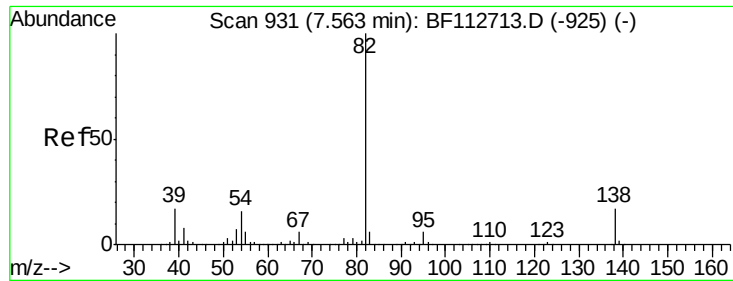
#23
Nitrobenzene-d5
Concen: 47.878 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

Tgt Ion:	82	Resp:	514122
Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.3	54.5
54	54.1	43.7	65.5



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





#25

Isophorone

Concen: 21.468 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112824.D

Acq: 4 Mar 2019 15:12

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-A

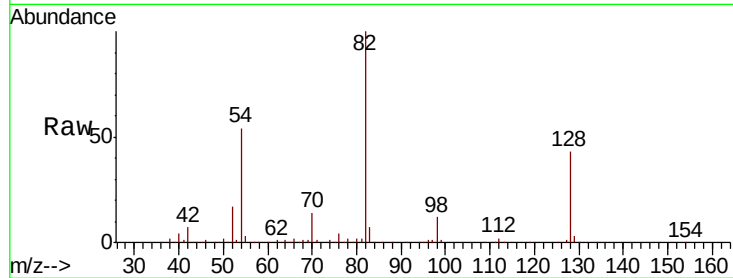
Tgt Ion: 82 Resp: 496639

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

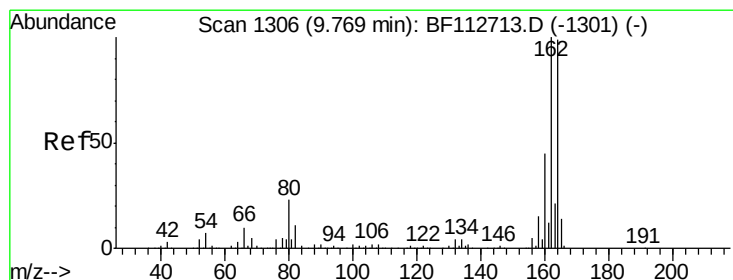
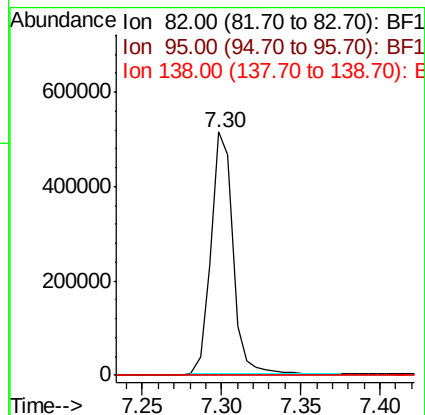
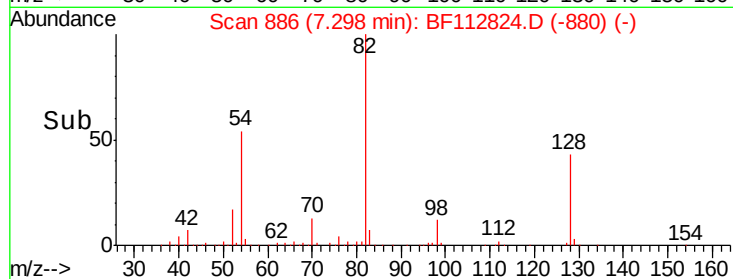
138 0.0 13.8 20.8#



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: 9.77 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF112824.D

Acq: 4 Mar 2019 15:12

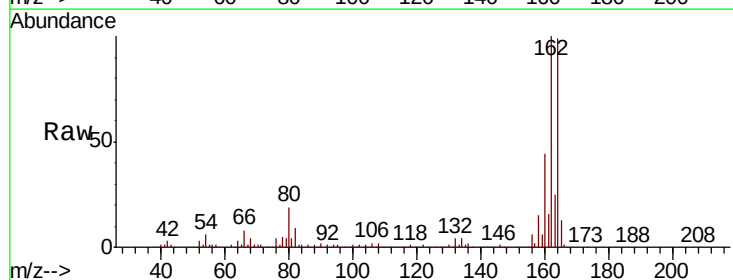
Tgt Ion: 164 Resp: 271170

Ion Ratio Lower Upper

164 100

162 101.4 80.6 120.8

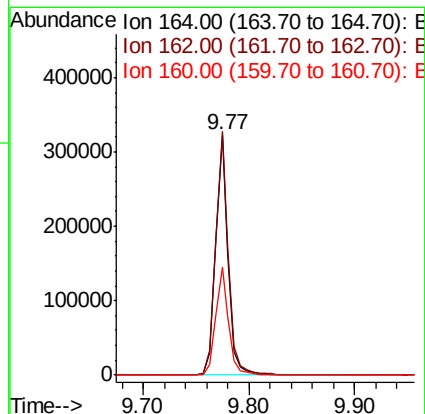
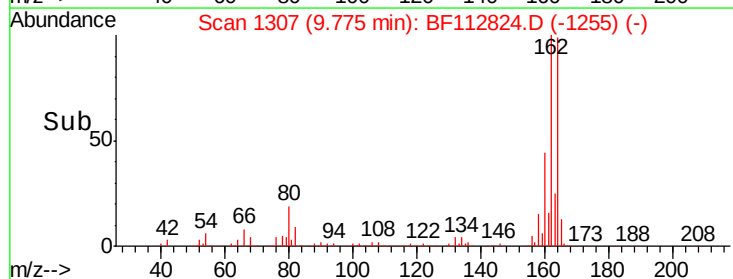
160 44.9 36.0 54.0

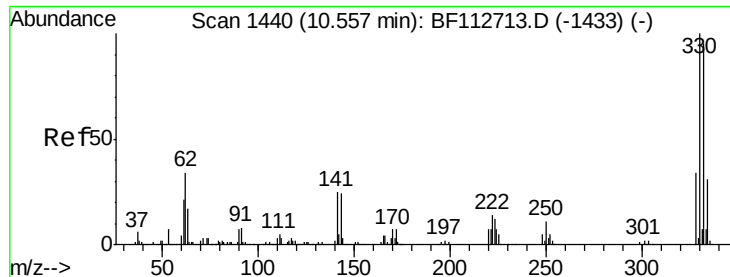


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

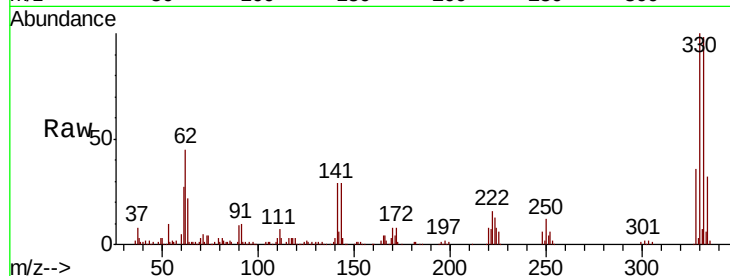




#42
 2,4,6-Tribromophenol
 Concen: 70.359 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112824.D
 Acq: 4 Mar 2019 15:12

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.2	114.4
141	30.3	27.0	40.6

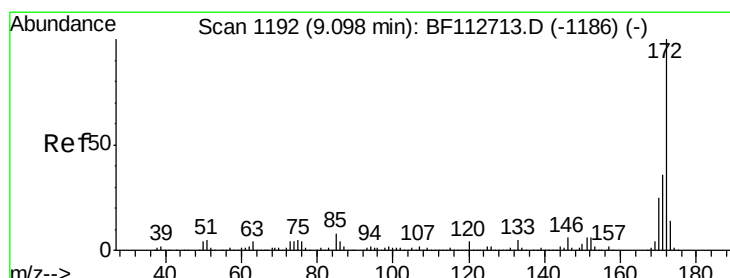
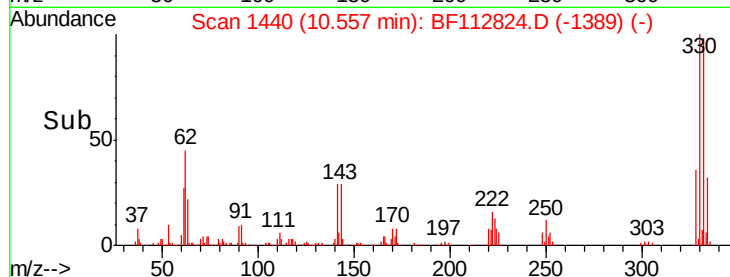
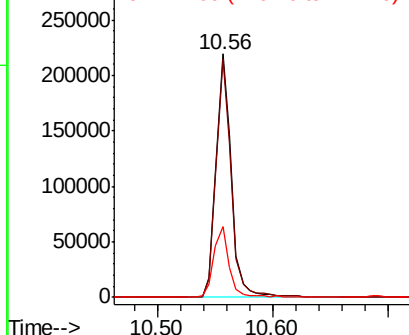


Abundance

Ion 329.80 (329.50 to 330.50): E

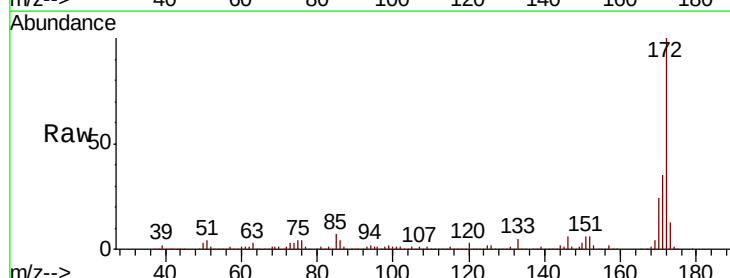
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 43.588 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112824.D
 Acq: 4 Mar 2019 15:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.4
170	23.7	20.0	30.0

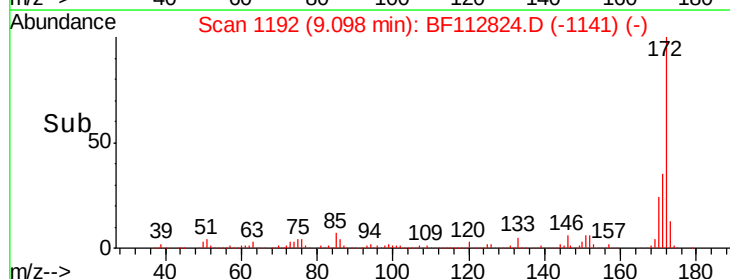
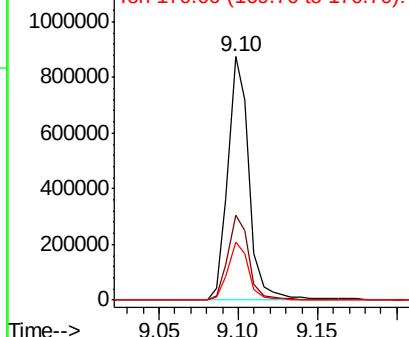


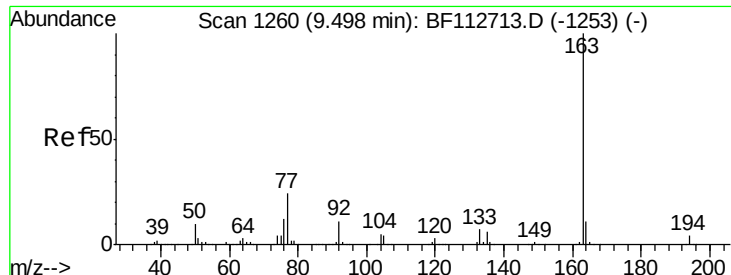
Abundance

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

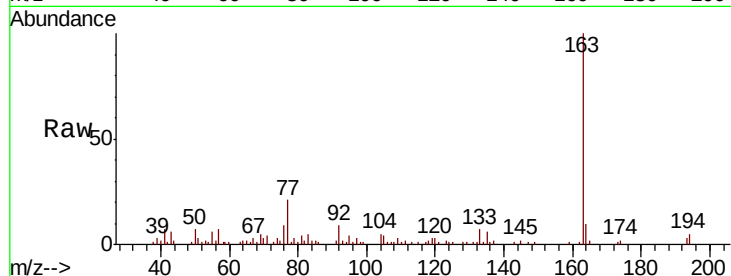




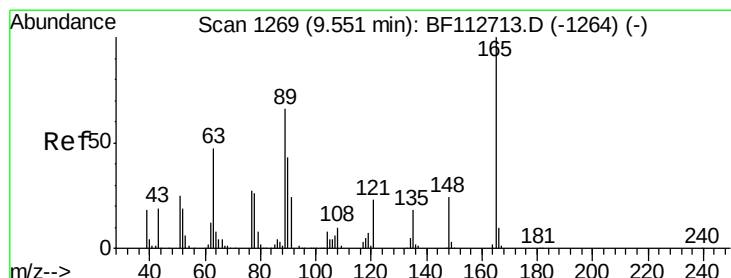
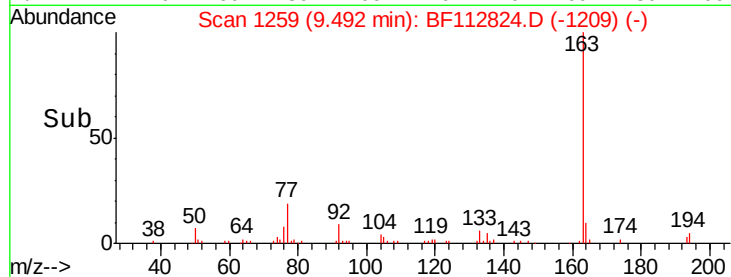
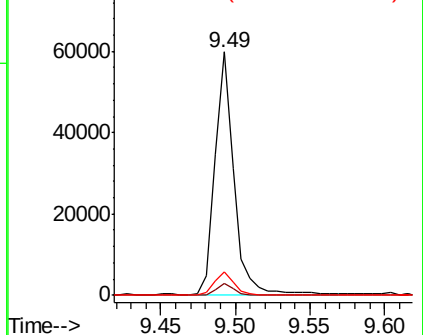
#50
Dimethylphthalate
Concen: 2.687 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-A

Tgt Ion:163 Resp: 53730
Ion Ratio Lower Upper
163 100
194 5.0 3.0 4.4#
164 9.6 8.4 12.6

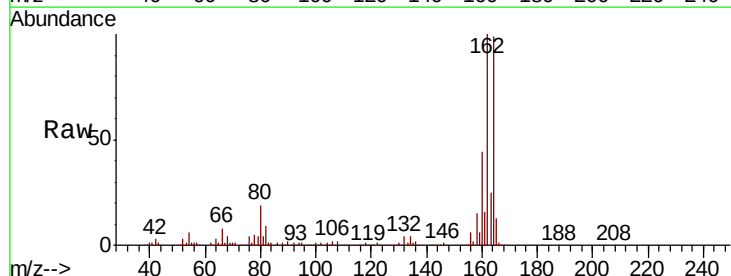


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

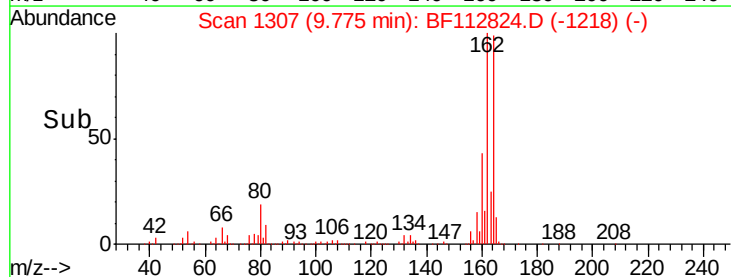
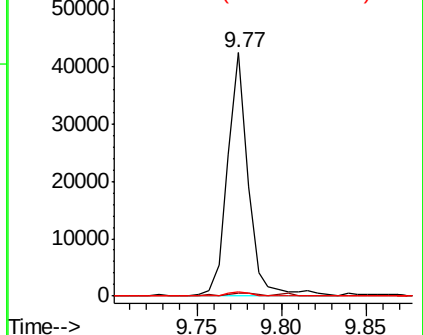


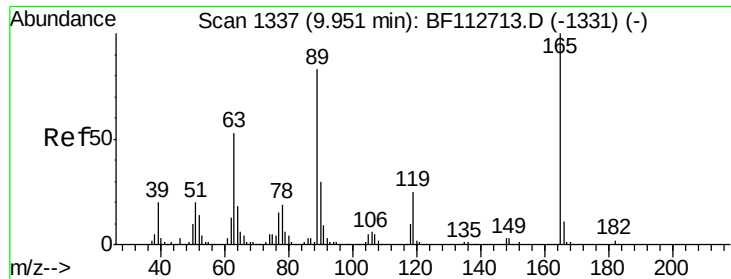
#51
2,6-Dinitrotoluene
Concen: 8.762 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.22 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

Tgt Ion:165 Resp: 36483
Ion Ratio Lower Upper
165 100
63 1.4 54.1 81.1#
89 1.8 52.8 79.2#



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

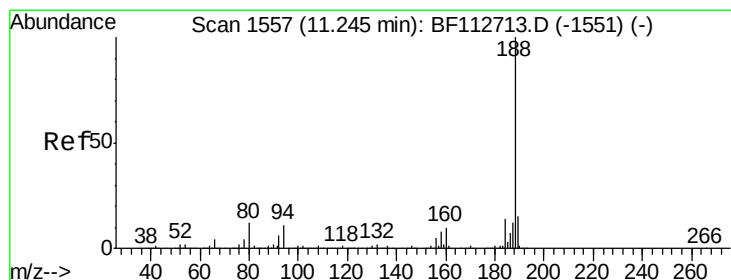
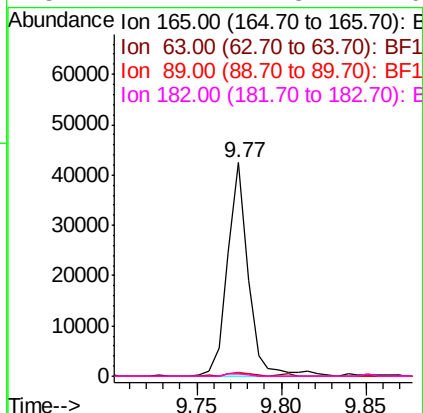
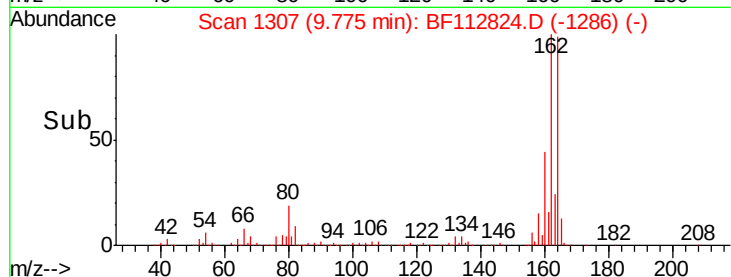
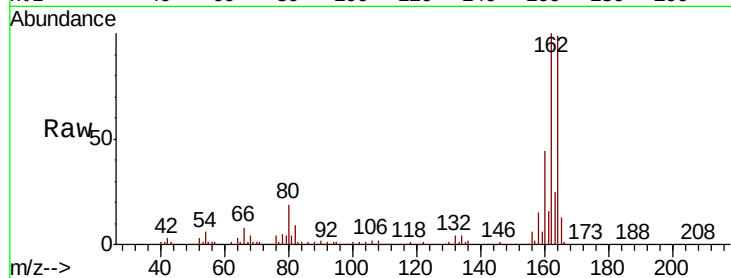




#57
 2,4-Dinitrotoluene
 Concen: 7.049 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.18 min
 Lab File: BF112824.D
 Acq: 4 Mar 2019 15:12

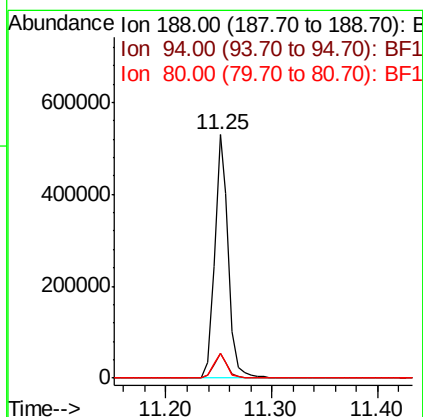
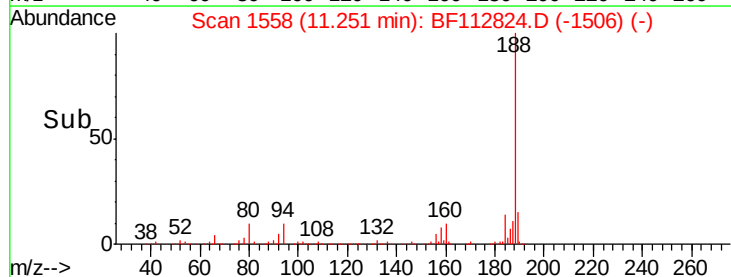
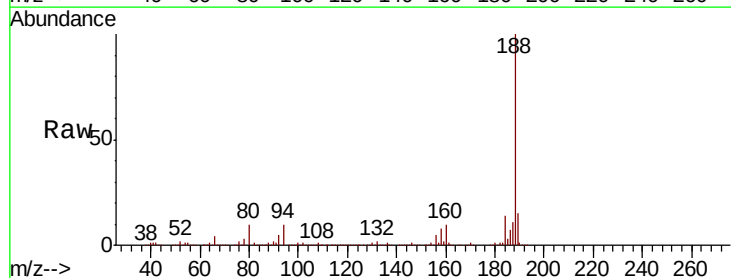
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-A

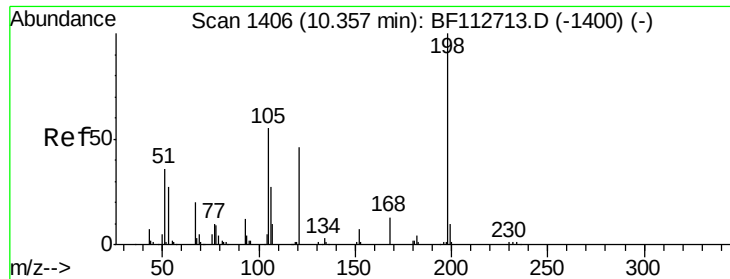
Tgt Ion:	165	Resp:	36483
Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	1.8	66.2	99.4#
182	1.1	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112824.D
 Acq: 4 Mar 2019 15:12

Tgt Ion:	188	Resp:	483880
Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.2	9.2	13.8

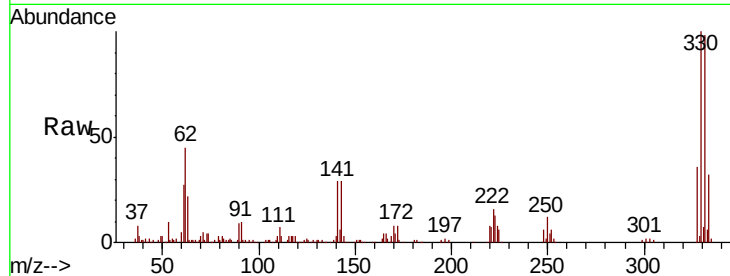




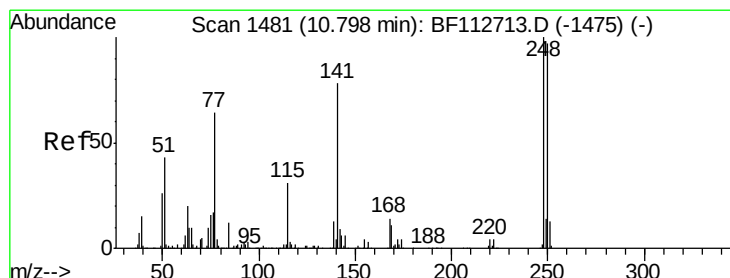
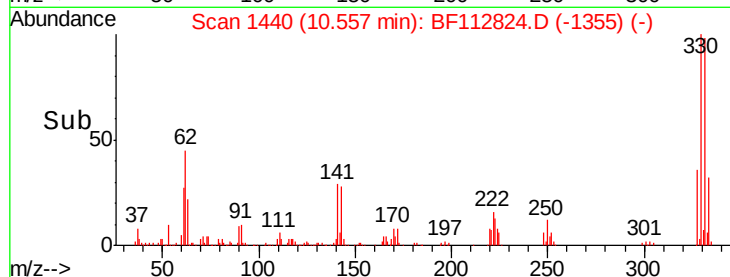
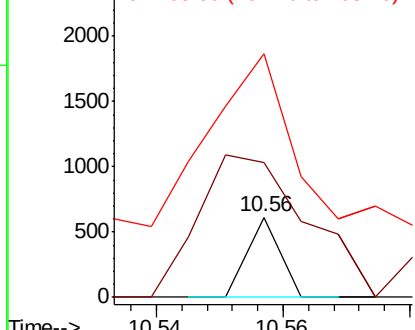
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.711 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.20 min
 Lab File: BF112824.D
 Acq: 4 Mar 2019 15:12

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-A

Tgt Ion:198 Resp: 217
 Ion Ratio Lower Upper
 198 100
 51 167.9 43.8 83.8#
 105 303.7 36.5 76.5#

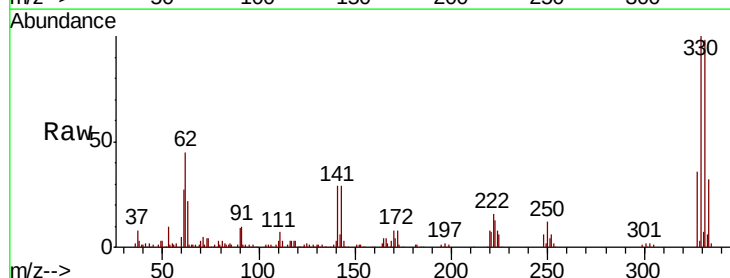


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

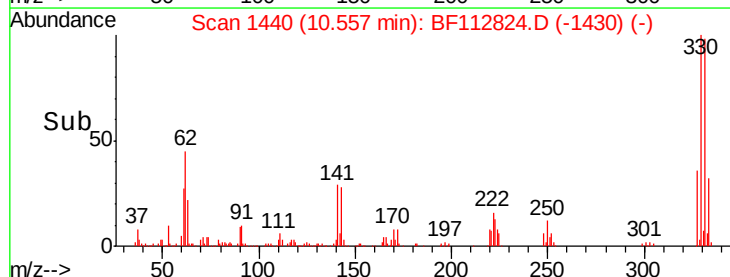
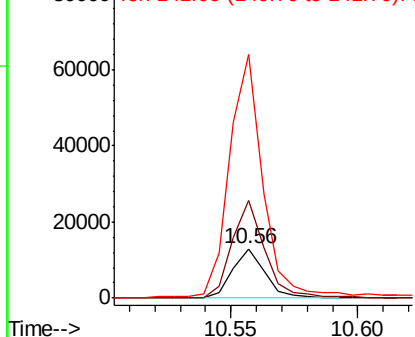


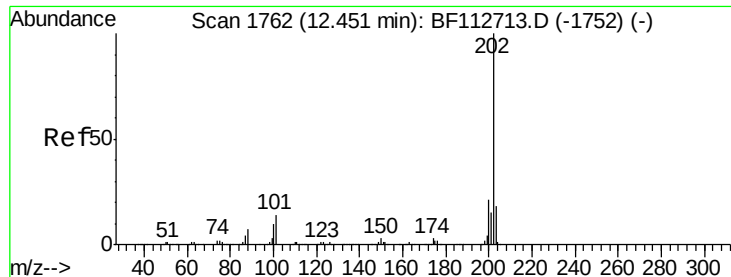
#67
 4-Bromophenyl-phenylether
 Concen: 2.239 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112824.D
 Acq: 4 Mar 2019 15:12

Tgt Ion:248 Resp: 11409
 Ion Ratio Lower Upper
 248 100
 250 198.3 77.5 116.3#
 141 494.8 62.4 93.6#



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: 3.507 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112824.D

Acq: 4 Mar 2019 15:12

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-A

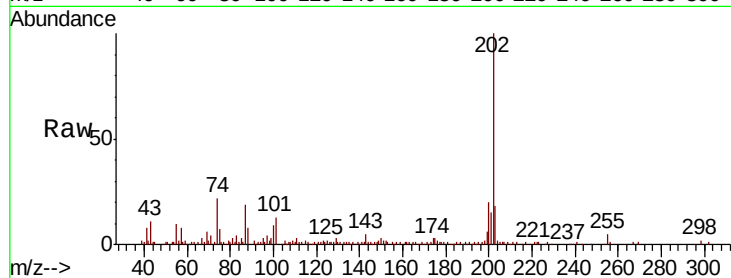
Tgt Ion:202 Resp: 90469

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.8

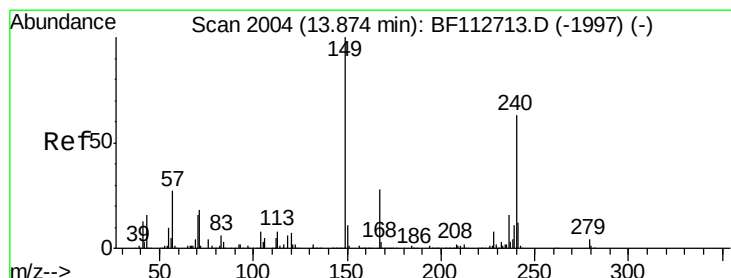
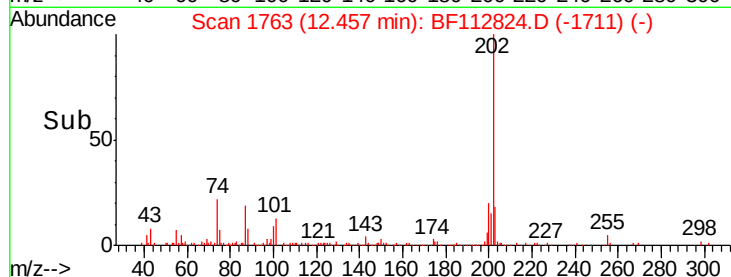
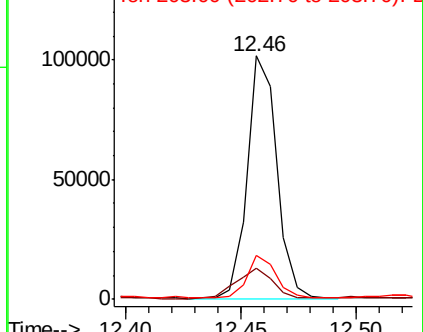
203 18.3 0.0 38.4



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: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF112824.D

Acq: 4 Mar 2019 15:12

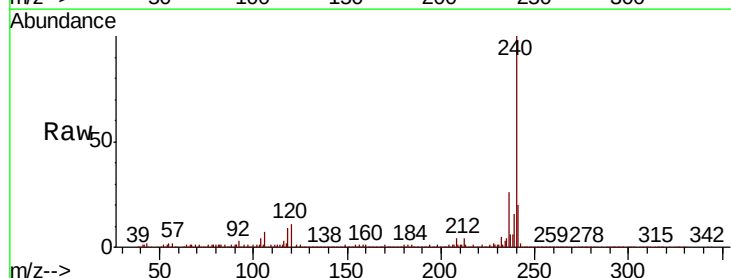
Tgt Ion:240 Resp: 497293

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

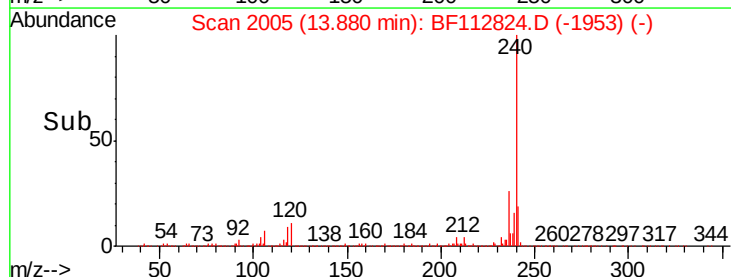
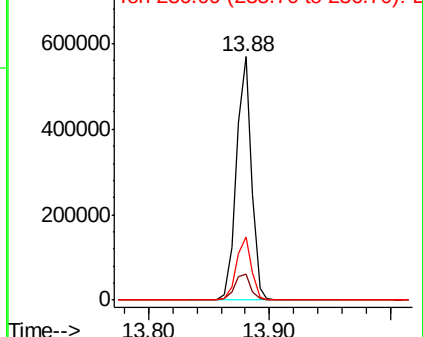
236 26.0 20.7 31.1

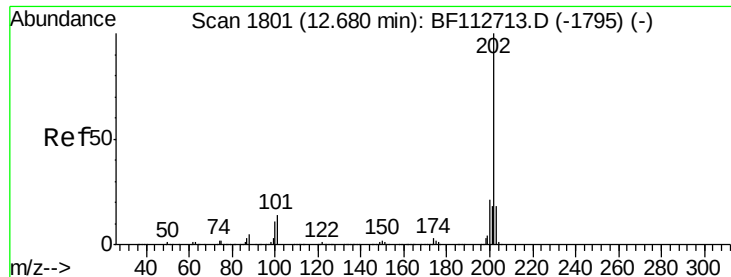


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

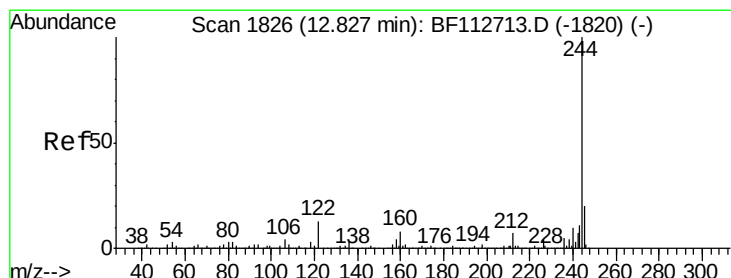
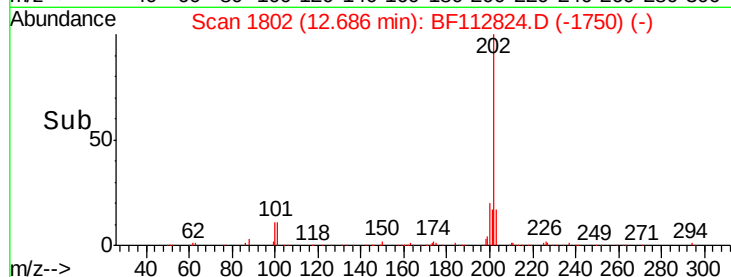
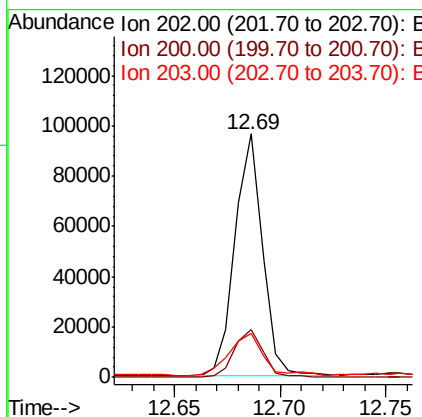
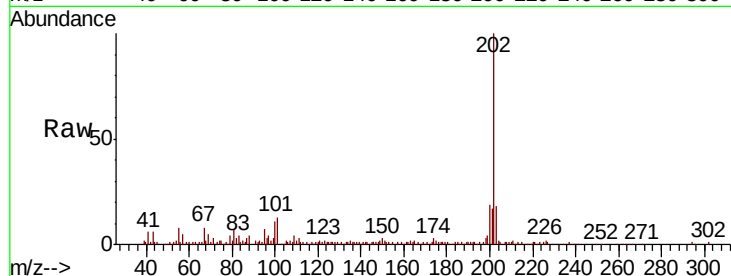




#78
Pyrene
Concen: 2.079 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

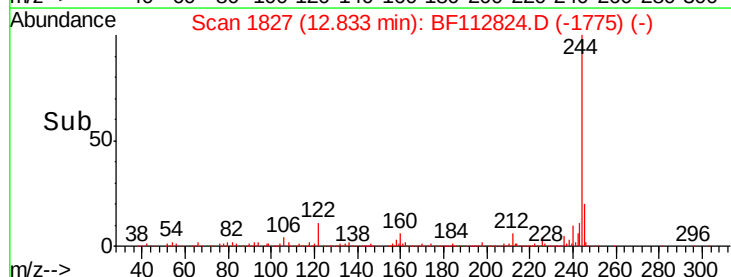
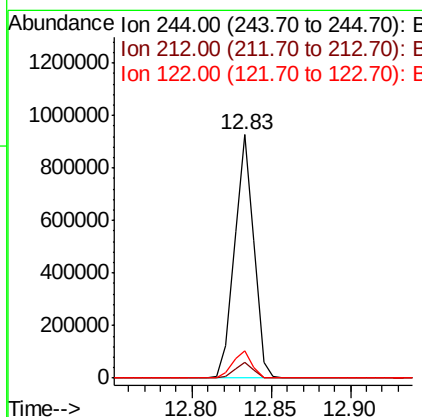
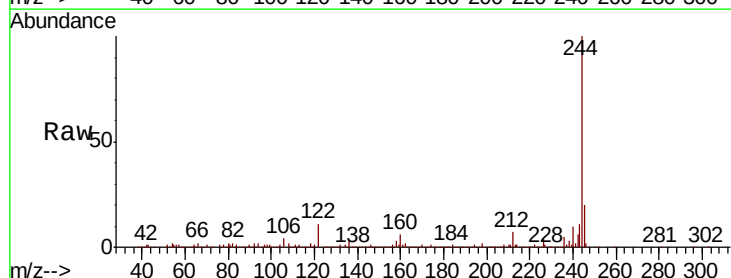
Instrument :
BNA_F
ClientSampleId :
JC-03-030119-A

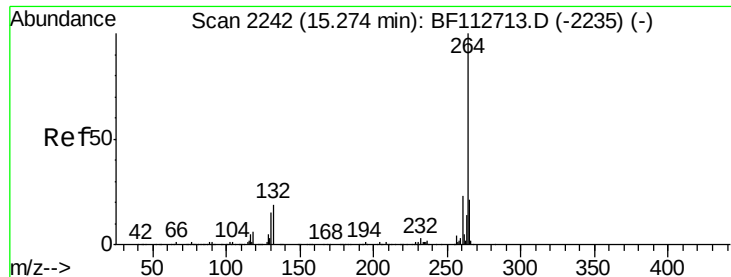
Tgt Ion:202 Resp: 87140
Ion Ratio Lower Upper
202 100
200 19.4 17.0 25.4
203 18.1 14.4 21.6



#79
Terphenyl-d14
Concen: 30.409 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

Tgt Ion:244 Resp: 780087
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 11.1 10.5 15.7



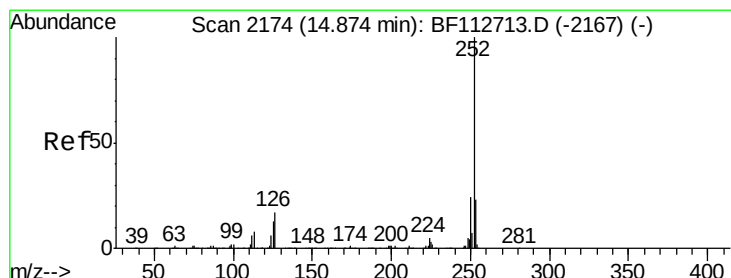
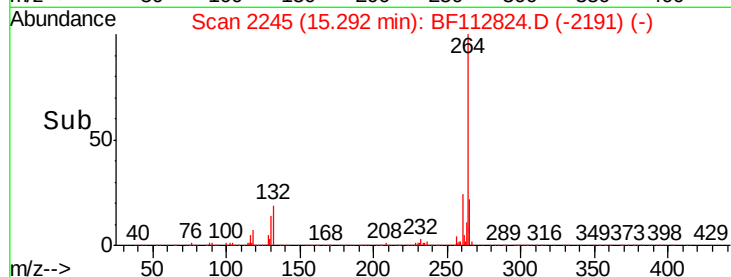
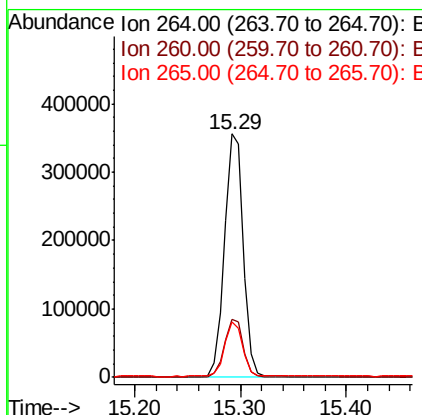
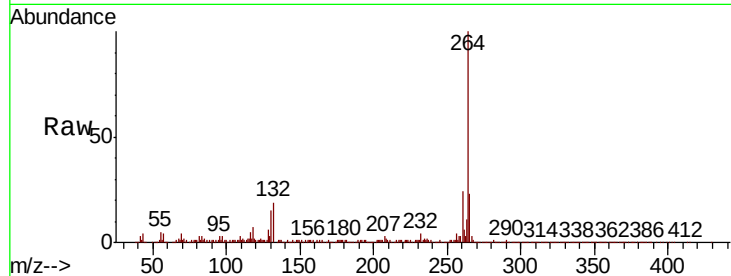


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-A

Tgt Ion:264 Resp: 434648

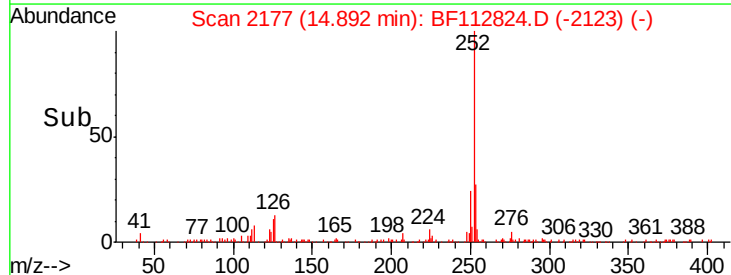
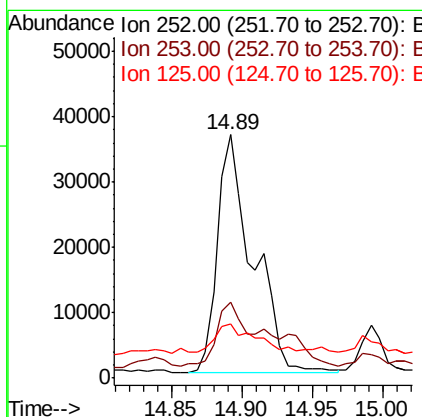
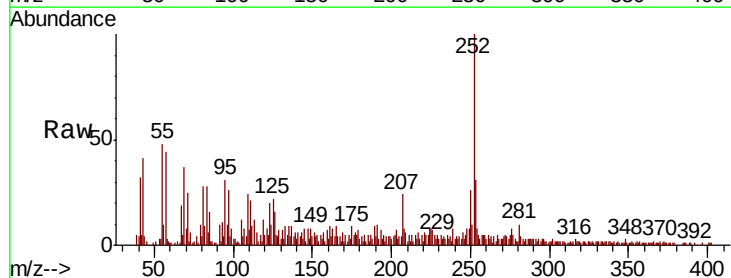
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.7	17.2	25.8

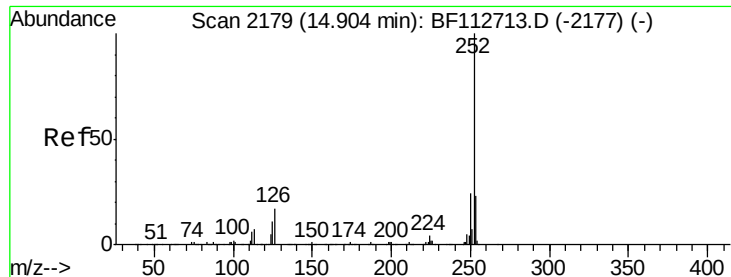


#88
Benzo(b)fluoranthene
Concen: 2.250 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF112824.D
Acq: 4 Mar 2019 15:12

Tgt Ion:252 Resp: 63251

Ion	Ratio	Lower	Upper
252	100		
253	31.4	18.0	27.0#
125	22.0	10.2	15.2#





#89

Benzo(k)fluoranthene

Concen: 2.484 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BF112824.D

Acq: 4 Mar 2019 15:12

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-A

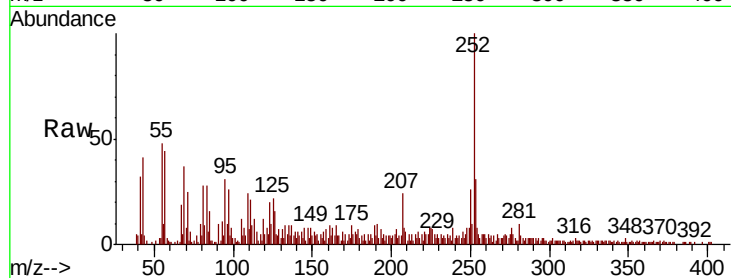
Tgt Ion: 252 Resp: 63251

Ion Ratio Lower Upper

252 100

253 31.4 18.2 27.2#

125 22.0 9.8 14.6#



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

