

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112825.D
 Acq On : 4 Mar 2019 15:39
 Operator : JU/SJ
 Sample : K1688-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 05 00:37:06 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	168612	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	600655	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	246014	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	430211	20.00	ng	0.00
76) Chrysene-d12	13.88	240	448512	20.00	ng	0.00
87) Perylene-d12	15.30	264	384942	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	622139	57.40	ng	0.00
7) Phenol-d6	6.37	99	794990	58.39	ng	0.00
23) Nitrobenzene-d5	7.30	82	460125	45.84	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	170065	65.12	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	730192	43.09	ng	0.00
79) Terphenyl-d14	12.83	244	679038	29.35	ng	0.00

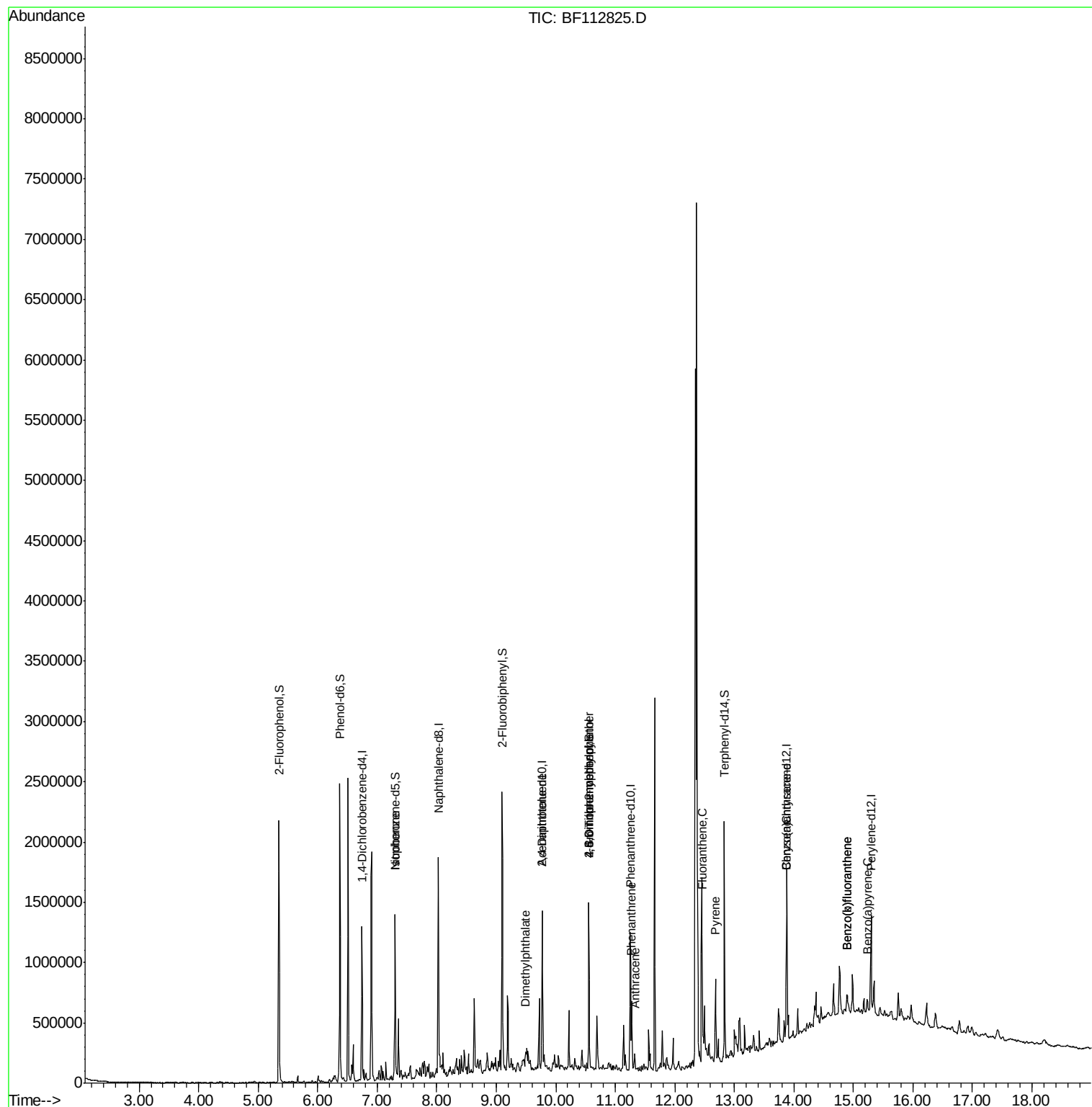
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.30	82	442743	20.473	ng	# 66
50) Dimethylphthalate	9.49	163	42619	2.349	ng	# 97
57) 2,4-Dinitrotoluene	9.77	165	34240	7.292	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	238	4.734	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	9769	2.156	ng	# 1
71) Phenanthrene	11.27	178	200915	9.386	ng	98
72) Anthracene	11.33	178	47963	2.141	ng	98
75) Fluoranthene	12.46	202	203685	8.882	ng	96
78) Pyrene	12.69	202	186036	4.920	ng	97
81) Benzo(a)anthracene	13.87	228	86908	2.796	ng	98
83) Chrysene	13.87	228	86908	2.854	ng	95
88) Benzo(b)fluoranthene	14.89	252	114790	4.610	ng	# 89
89) Benzo(k)fluoranthene	14.89	252	114790	5.090	ng	# 88
90) Benzo(a)pyrene	15.23	252	58434	2.653	ng	# 91

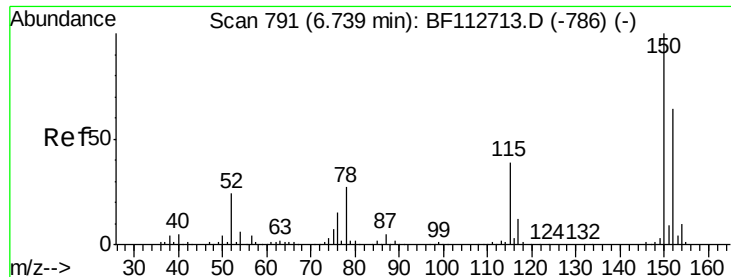
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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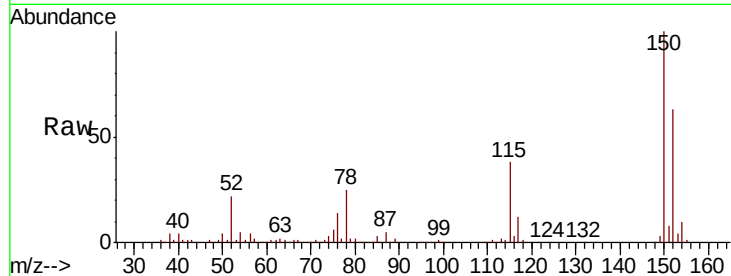


#1

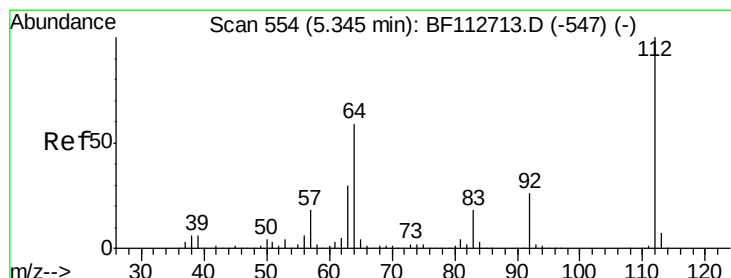
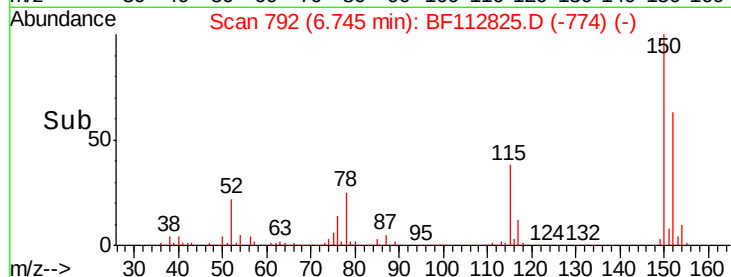
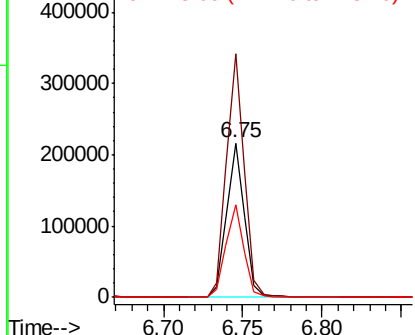
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

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

Tgt Ion:152 Resp: 168612
Ion Ratio Lower Upper
152 100
150 157.5 124.2 186.2
115 59.8 48.2 72.4



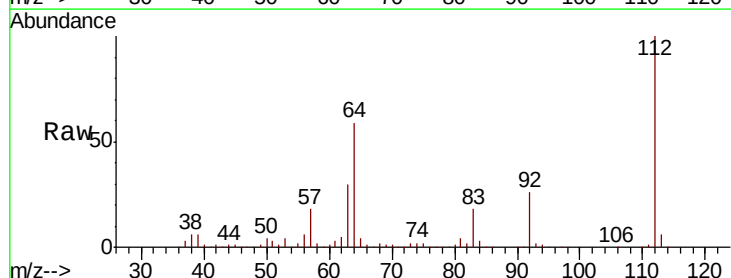
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



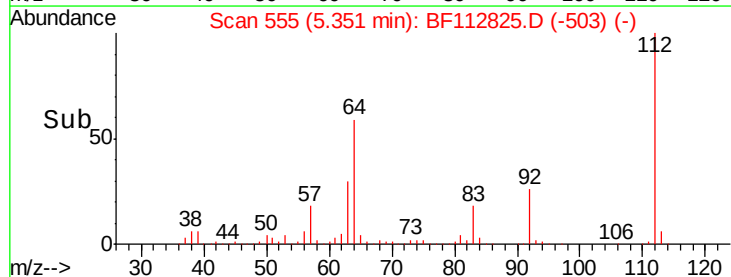
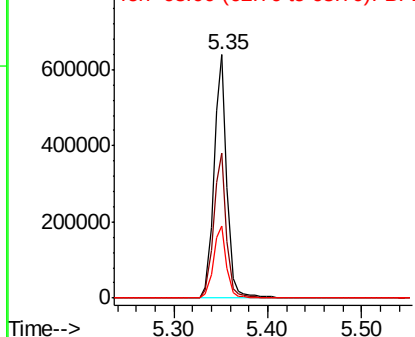
#5

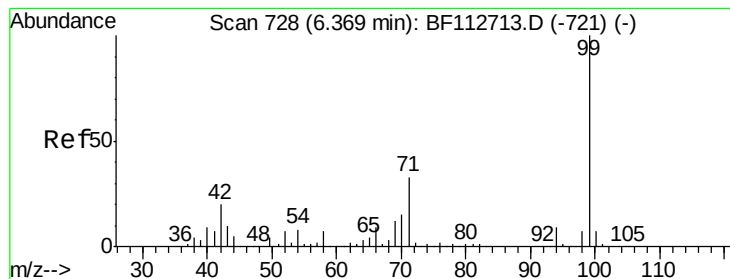
2-Fluorophenol
Concen: 57.396 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

Tgt Ion:112 Resp: 622139
Ion Ratio Lower Upper
112 100
64 59.5 47.6 71.4
63 29.7 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: 58.386 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112825.D

Acq: 4 Mar 2019 15:39

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-C

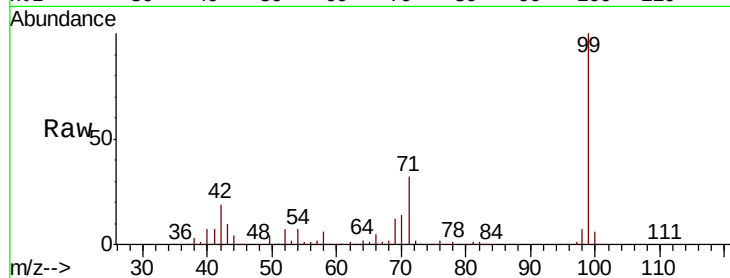
Tgt Ion: 99 Resp: 794990

Ion Ratio Lower Upper

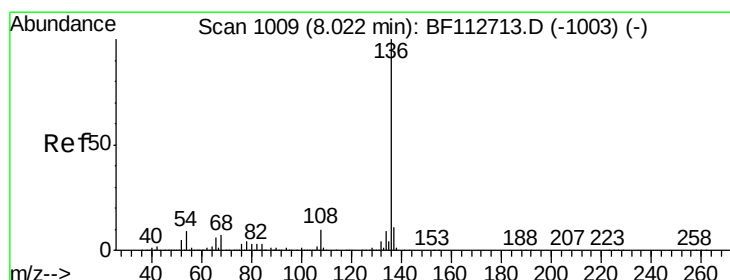
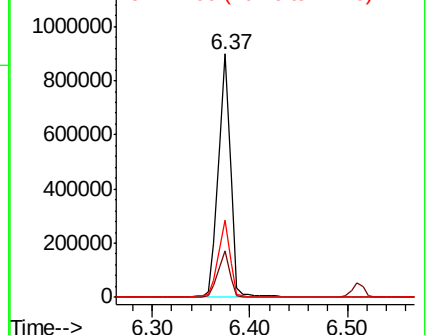
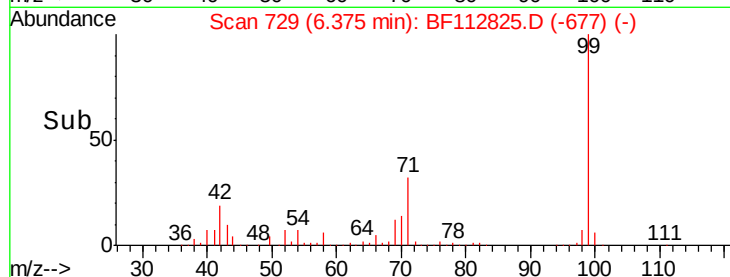
99 100

42 19.0 16.3 24.5

71 31.8 26.2 39.4



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: 8.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BF112825.D

Acq: 4 Mar 2019 15:39

Tgt Ion: 136 Resp: 600655

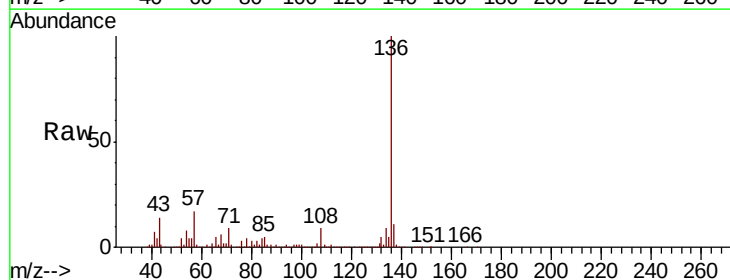
Ion Ratio Lower Upper

136 100

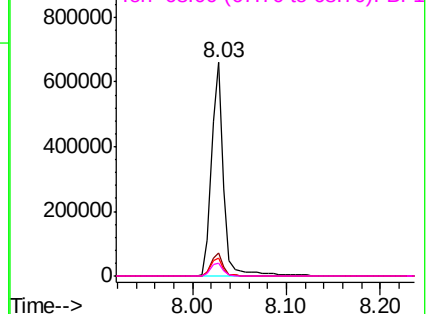
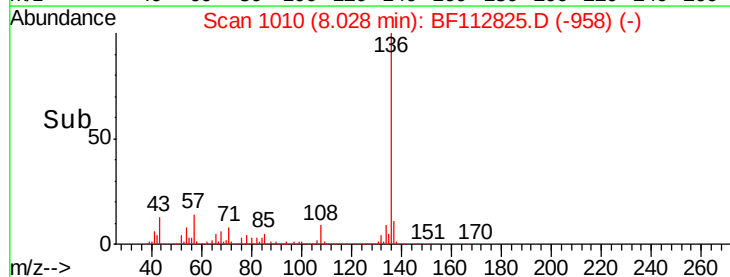
137 10.7 8.9 13.3

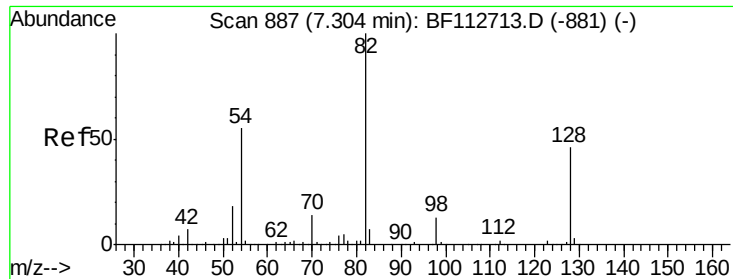
54 8.2 7.3 10.9

68 6.1 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

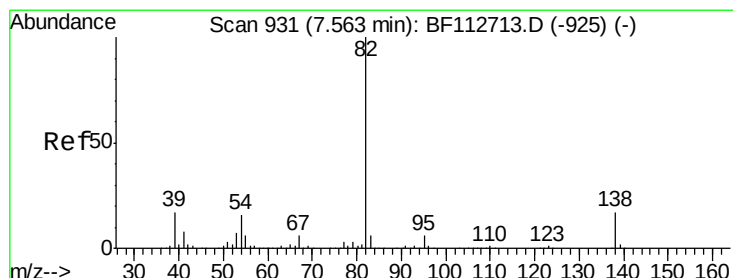
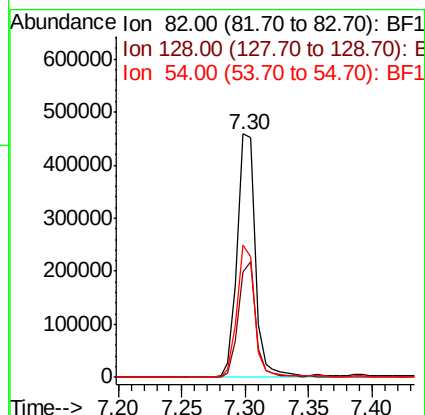
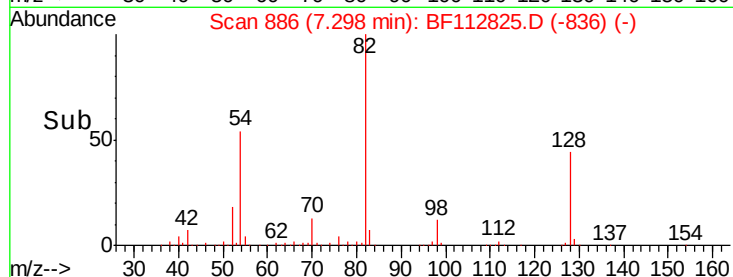
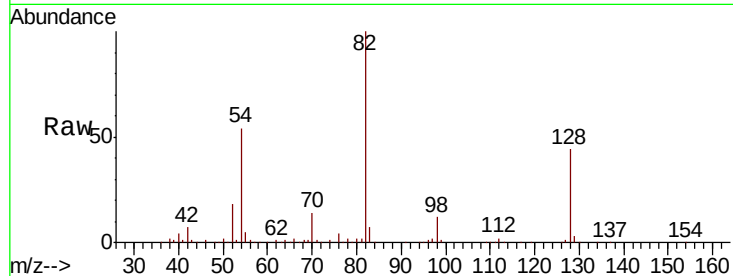




#23
 Nitrobenzene-d5
 Concen: 45.838 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF112825.D
 Acq: 4 Mar 2019 15:39

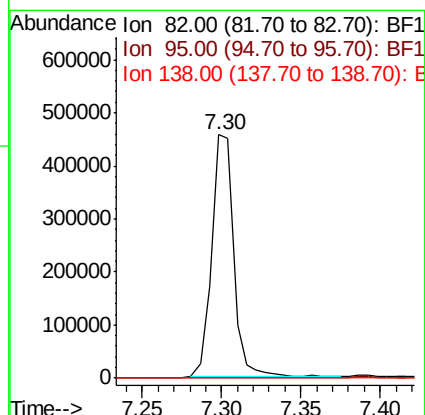
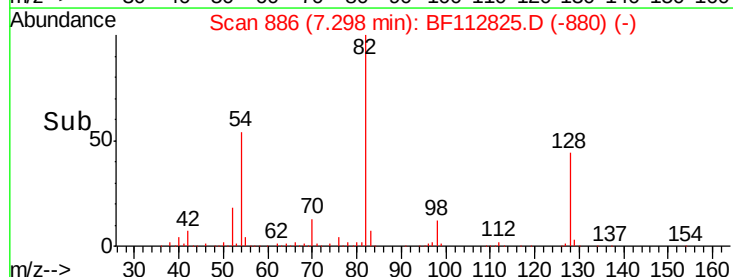
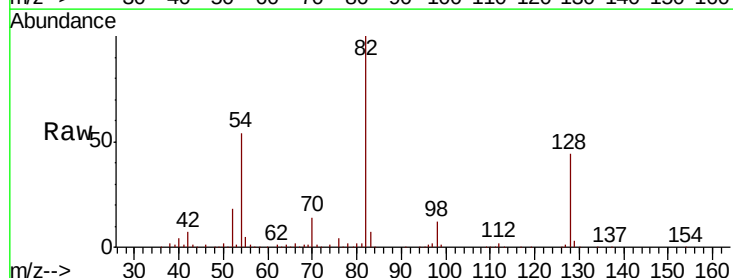
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 JC-03-030119-C

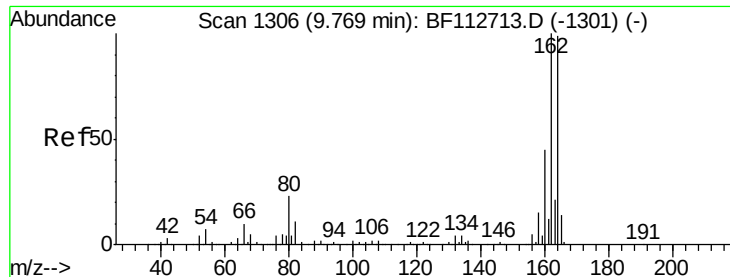
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.3	54.5
54	54.3	43.7	65.5



#25
 Isophorone
 Concen: 20.473 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF112825.D
 Acq: 4 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.2	7.8#
138	0.0	13.8	20.8#

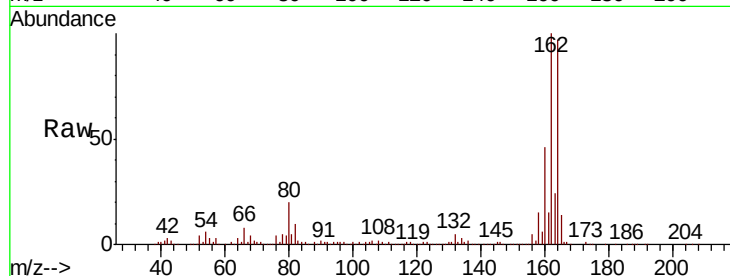




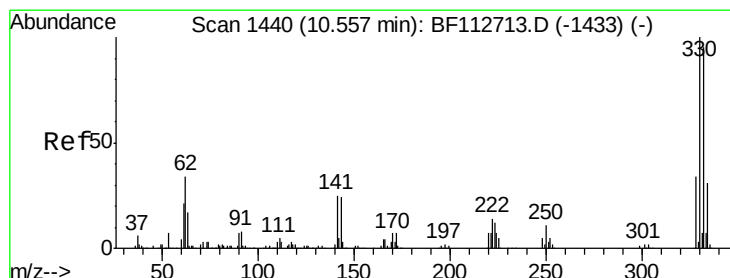
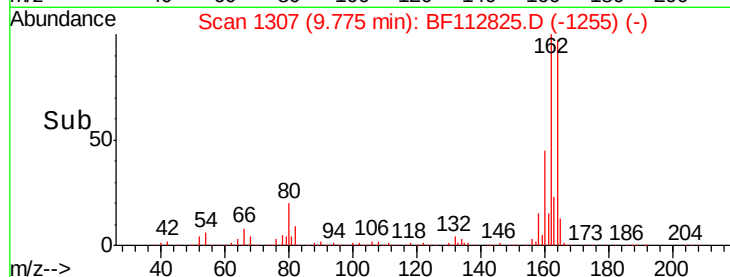
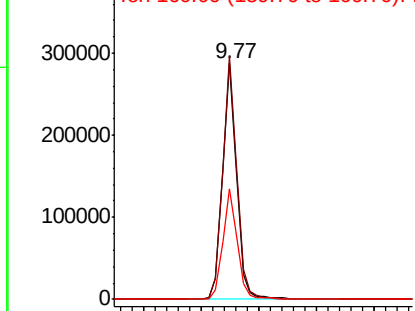
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112825.D
 Acq: 4 Mar 2019 15:39

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

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	80.6	120.8
160	47.2	36.0	54.0

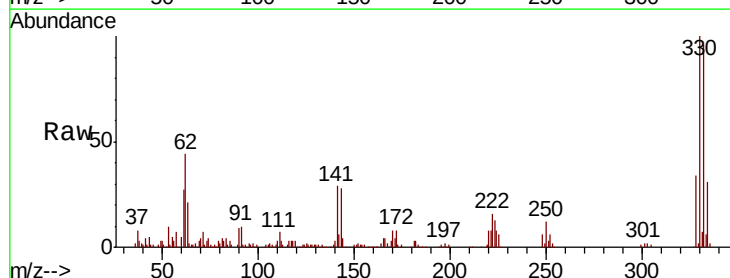


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

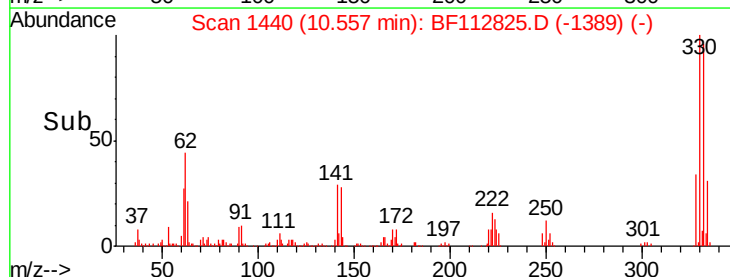
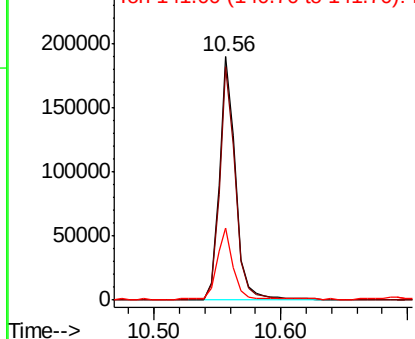


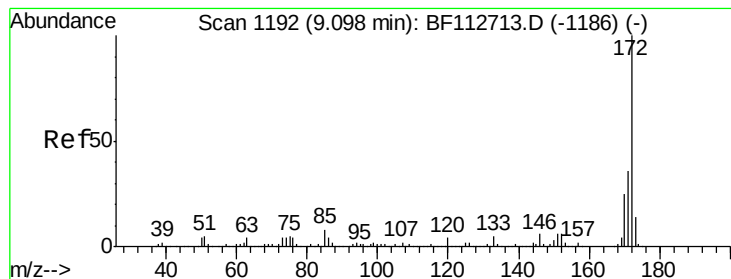
#42
 2,4,6-Tribromophenol
 Concen: 65.115 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112825.D
 Acq: 4 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.2	114.4
141	29.1	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: 43.086 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF112825.D

Acq: 4 Mar 2019 15:39

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-C

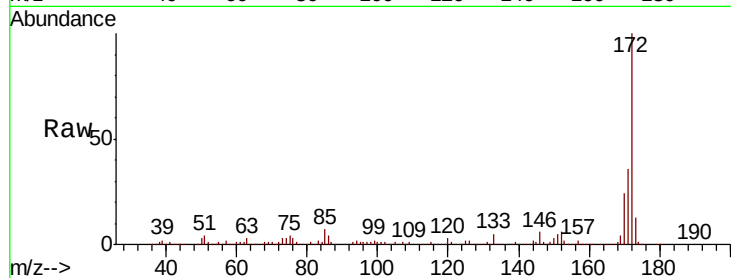
Tgt Ion:172 Resp: 730192

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

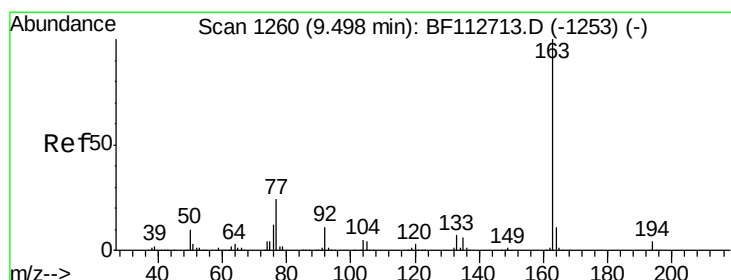
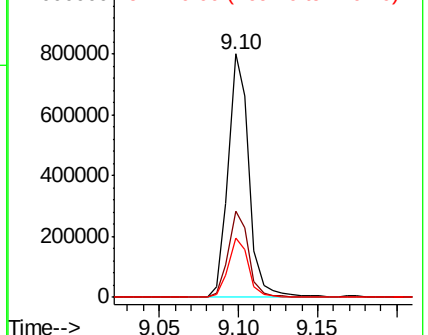
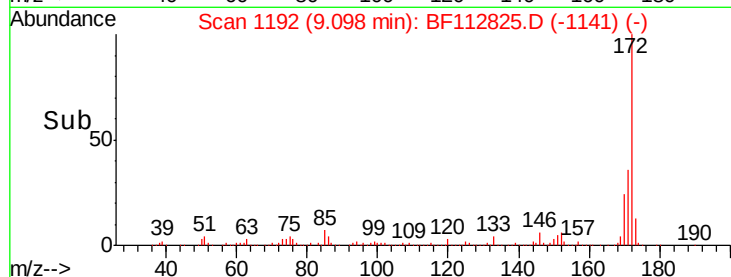
170 24.1 20.0 30.0



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: 2.349 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF112825.D

Acq: 4 Mar 2019 15:39

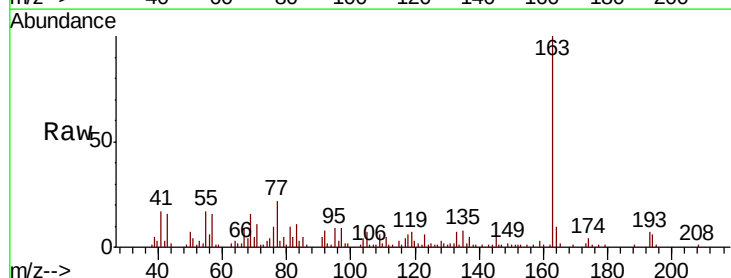
Tgt Ion:163 Resp: 42619

Ion Ratio Lower Upper

163 100

194 5.5 3.0 4.4#

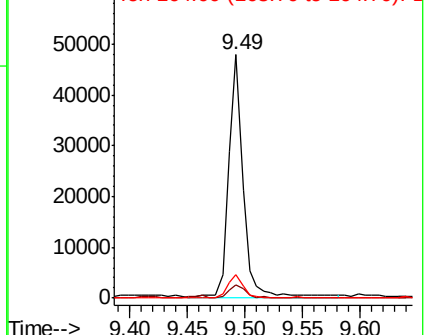
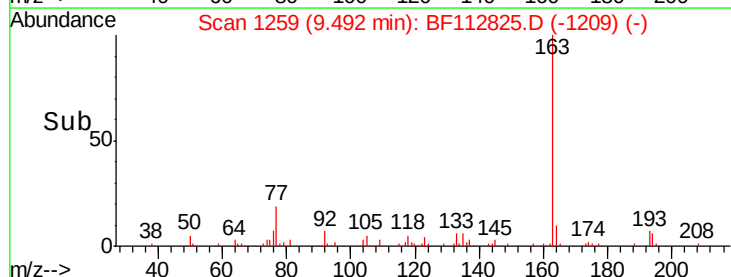
164 9.8 8.4 12.6

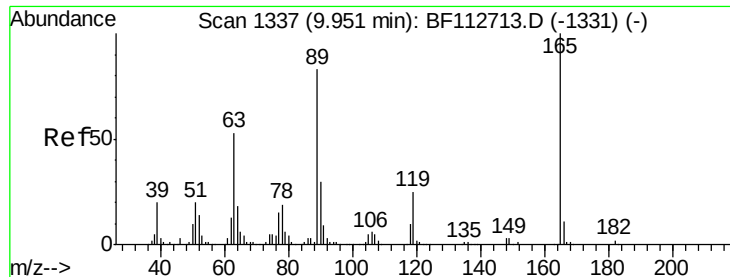


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

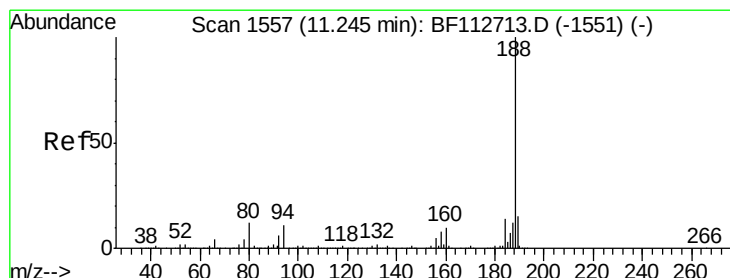
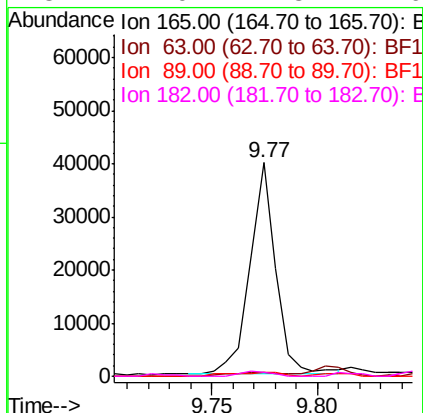
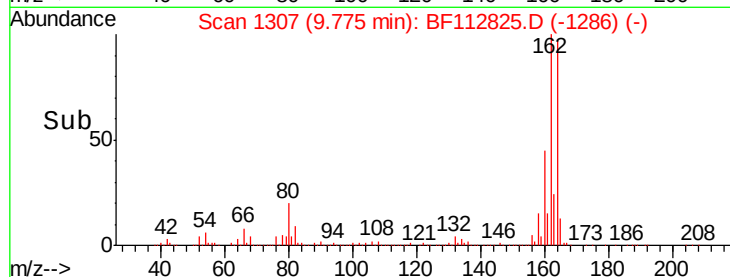
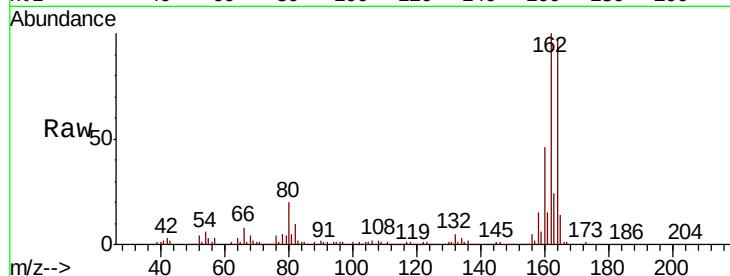




#57
 2,4-Dinitrotoluene
 Concen: 7.292 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.18 min
 Lab File: BF112825.D
 Acq: 4 Mar 2019 15:39

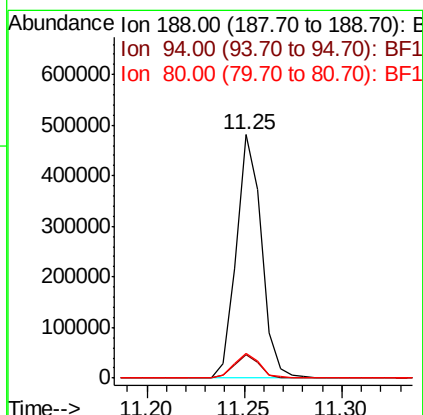
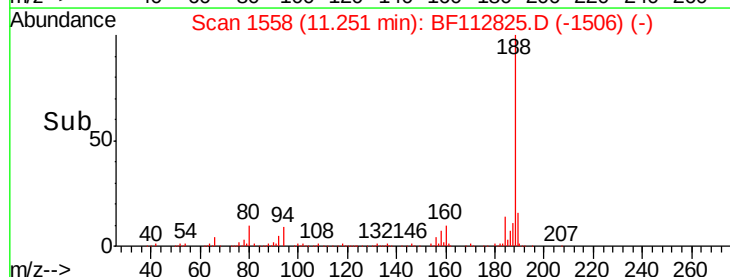
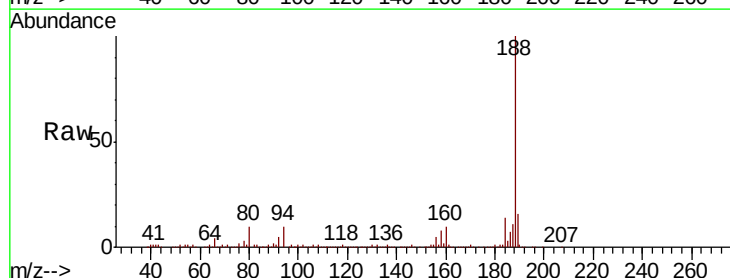
Instrument :
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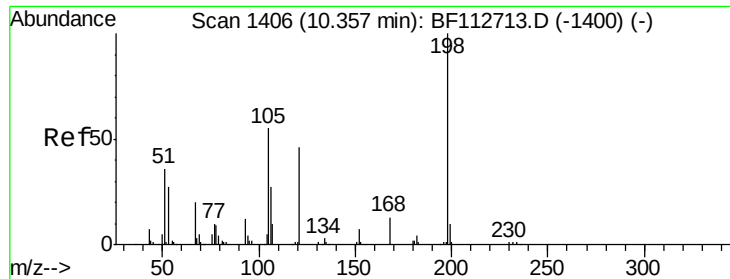
Tgt Ion:	165	Resp:	34240
Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.2	63.2#
89	1.8	66.2	99.4#
182	2.0	1.8	2.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112825.D
 Acq: 4 Mar 2019 15:39

Tgt Ion:	188	Resp:	430211
Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.0	13.4
80	10.3	9.2	13.8

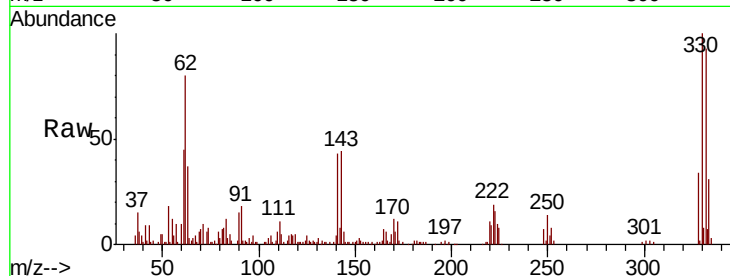




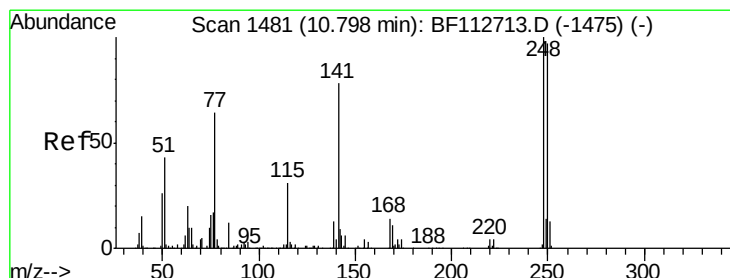
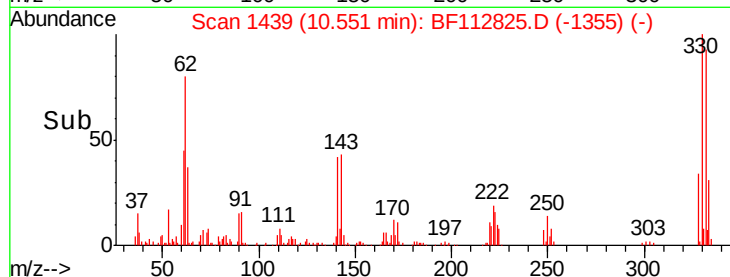
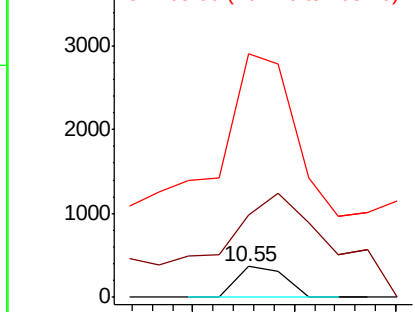
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.734 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.19 min
 Lab File: BF112825.D
 Acq: 4 Mar 2019 15:39

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

Tgt Ion:198 Resp: 238
 Ion Ratio Lower Upper
 198 100
 51 267.5 43.8 83.8#
 105 786.7 36.5 76.5#

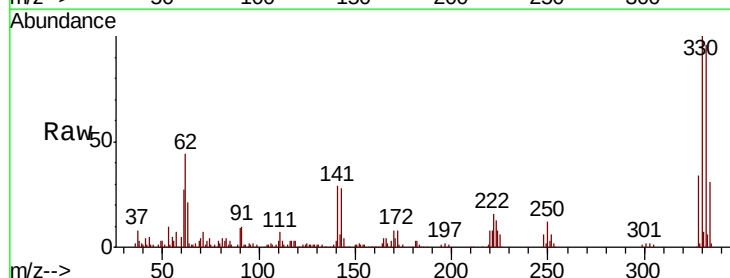


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

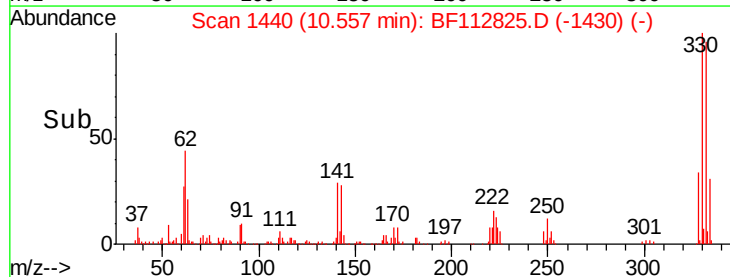
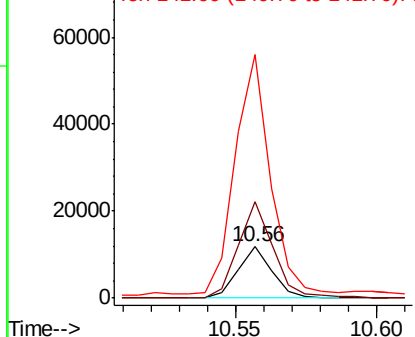


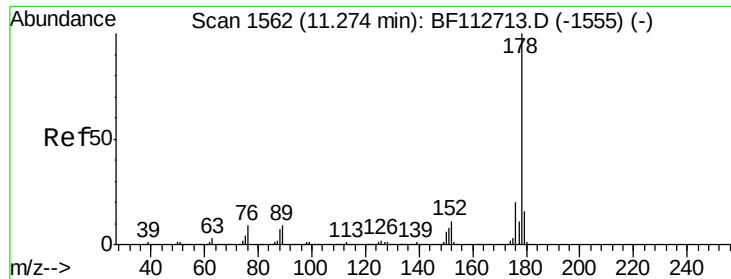
#67
 4-Bromophenyl-phenylether
 Concen: 2.156 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112825.D
 Acq: 4 Mar 2019 15:39

Tgt Ion:248 Resp: 9769
 Ion Ratio Lower Upper
 248 100
 250 189.9 77.5 116.3#
 141 476.8 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

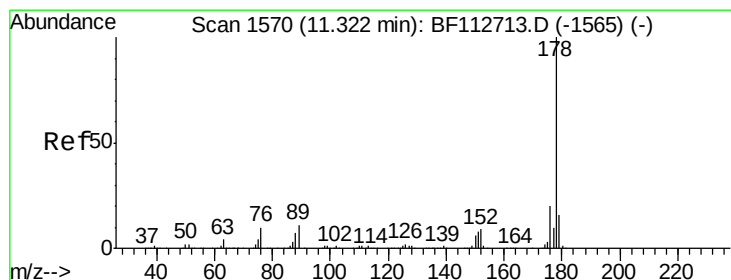
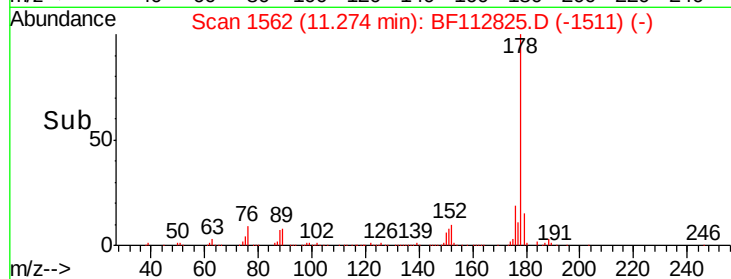
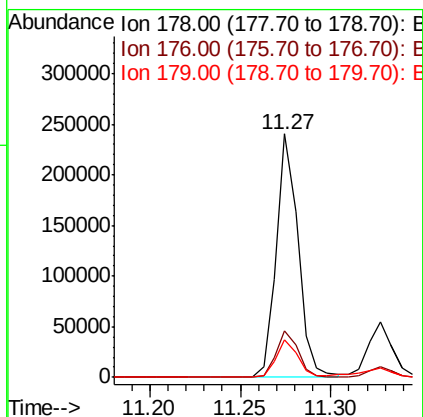
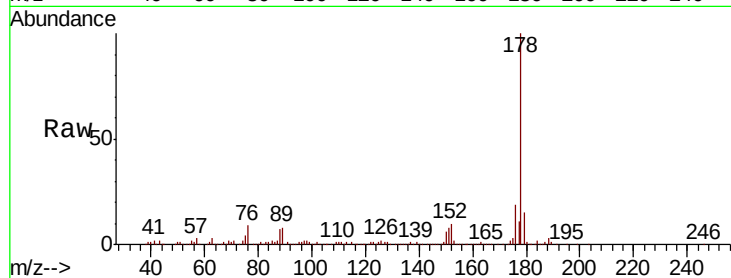




#71
Phenanthrene
Concen: 9.386 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

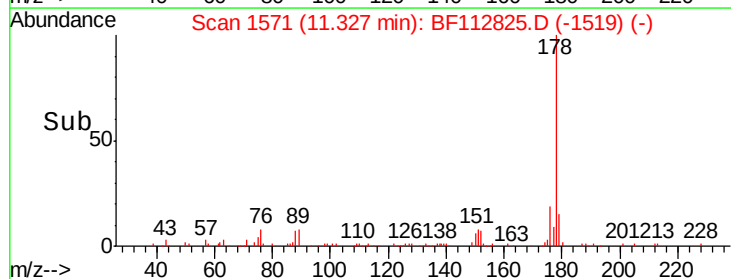
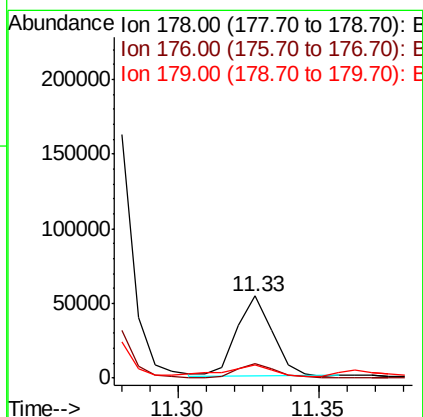
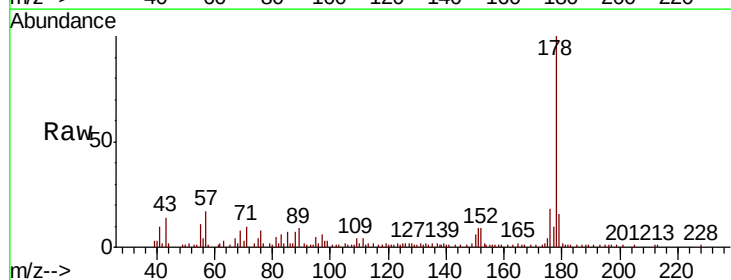
Instrument :
BNA_F
ClientSampleId :
JC-03-030119-C

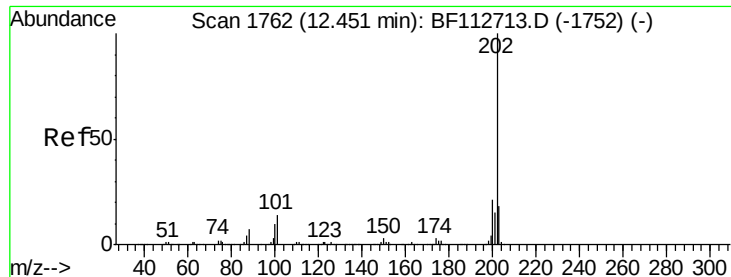
Tgt Ion:178 Resp: 200915
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 15.3 12.7 19.1



#72
Anthracene
Concen: 2.141 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

Tgt Ion:178 Resp: 47963
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 15.9 13.0 19.6





#75

Fluoranthene

Concen: 8.882 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF112825.D

Acq: 4 Mar 2019 15:39

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-C

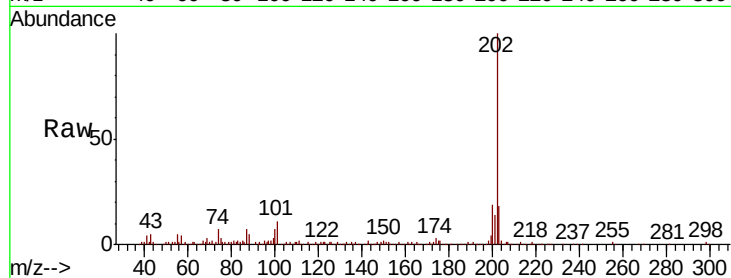
Tgt Ion:202 Resp: 203685

Ion Ratio Lower Upper

202 100

101 10.8 0.0 33.8

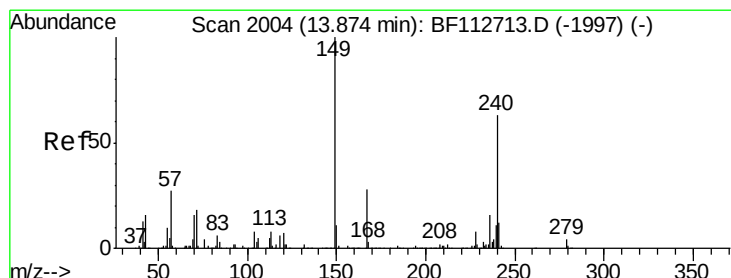
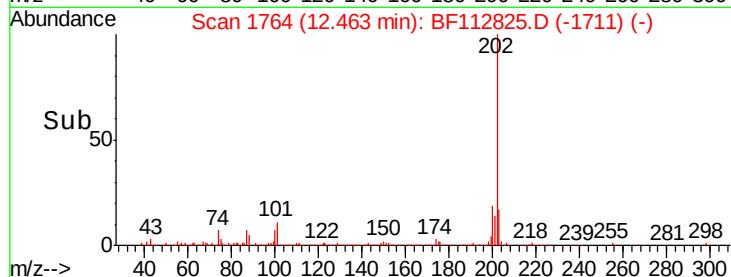
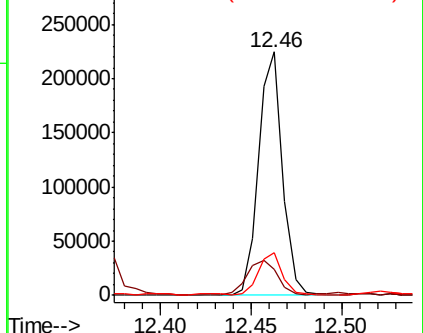
203 17.5 0.0 38.4



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: BF112825.D

Acq: 4 Mar 2019 15:39

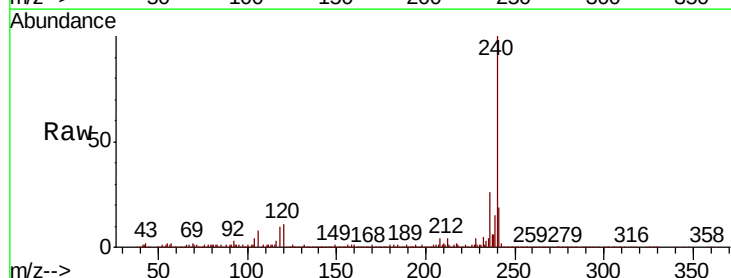
Tgt Ion:240 Resp: 448512

Ion Ratio Lower Upper

240 100

120 11.4 8.9 13.3

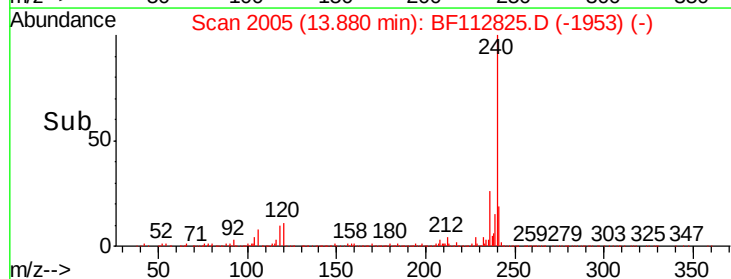
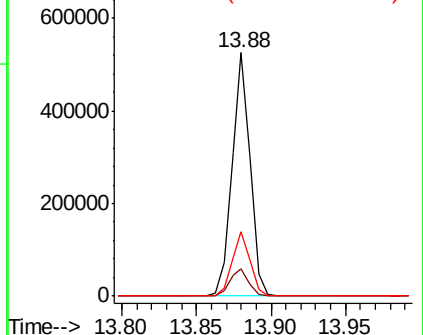
236 26.3 20.7 31.1

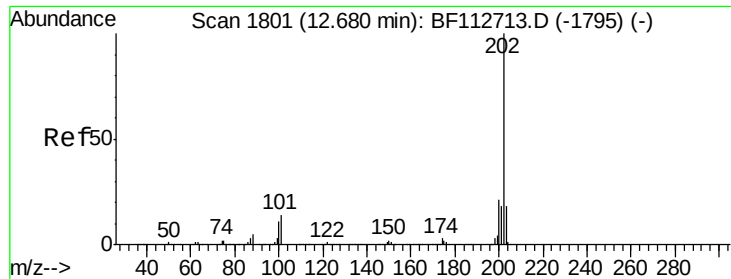


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

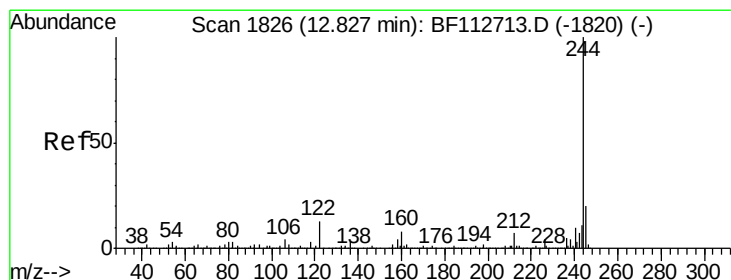
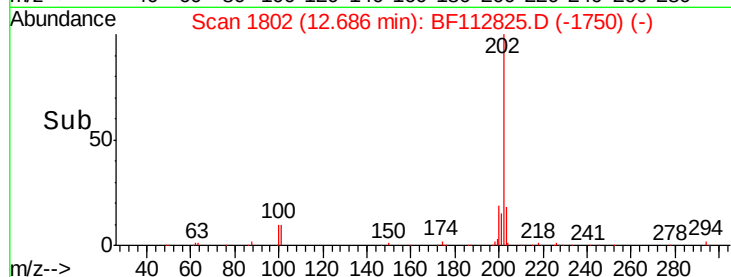
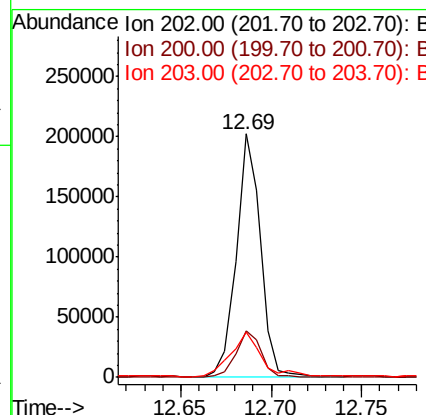
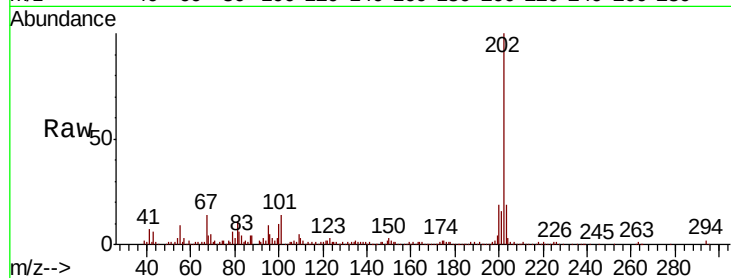




#78
Pyrene
Concen: 4.920 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

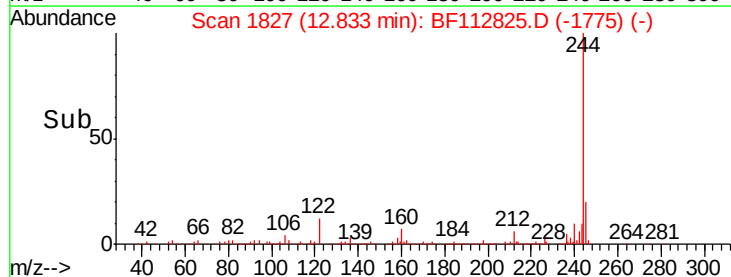
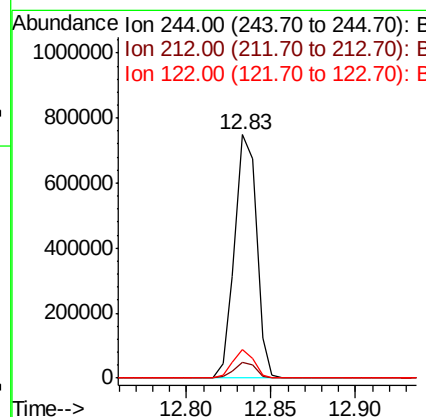
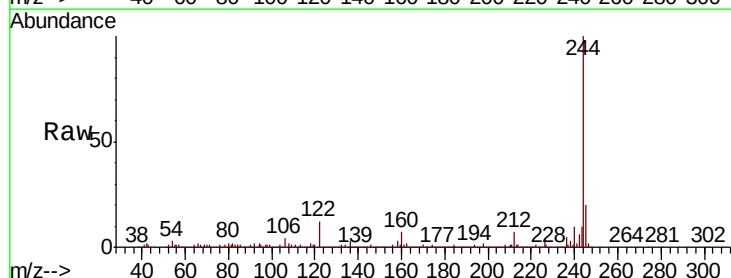
Instrument :
BNA_F
ClientSampleId :
JC-03-030119-C

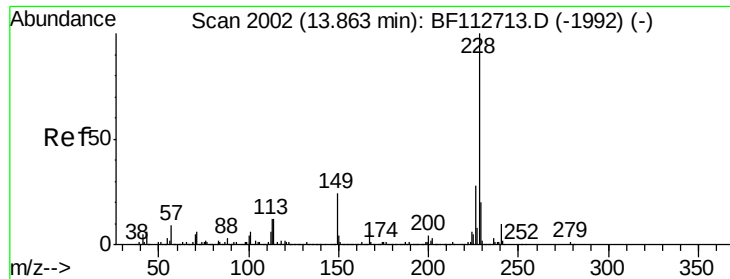
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.2	17.0	25.4
203	18.7	14.4	21.6



#79
Terphenyl-d14
Concen: 29.348 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	12.0	10.5	15.7





#81

Benzo(a)anthracene

Concen: 2.796 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF112825.D

Acq: 4 Mar 2019 15:39

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-C

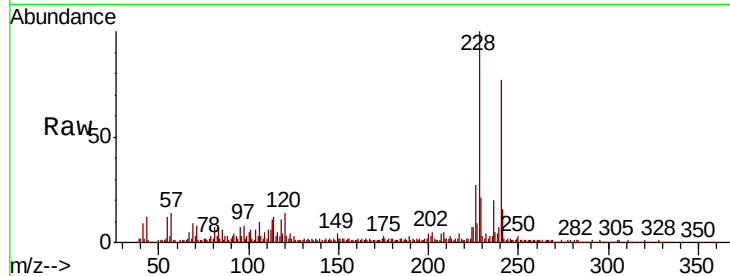
Tgt Ion:228 Resp: 86908

Ion Ratio Lower Upper

228 100

226 26.7 22.2 33.4

229 20.8 16.0 24.0

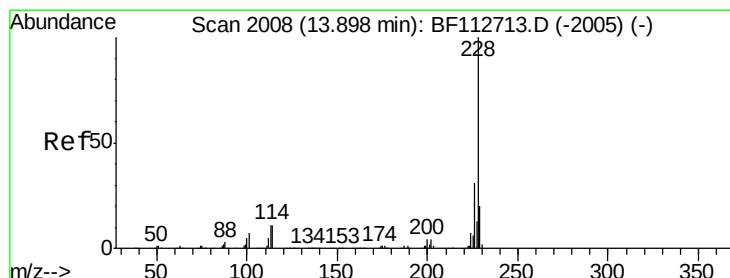
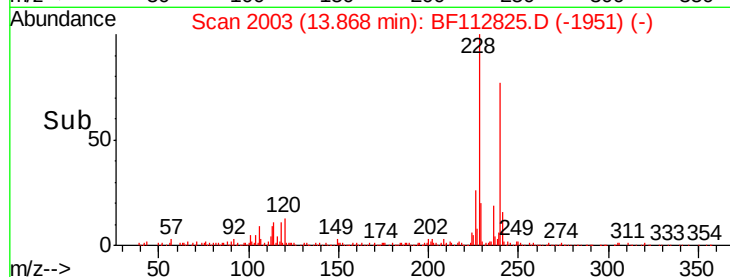
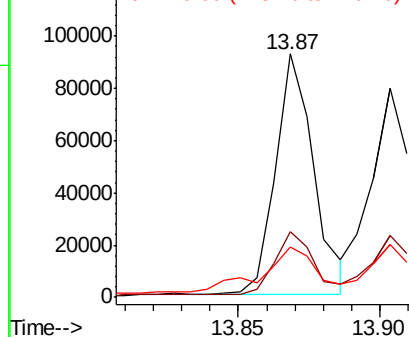


Abundance

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



#83

Chrysene

Concen: 2.854 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF112825.D

Acq: 4 Mar 2019 15:39

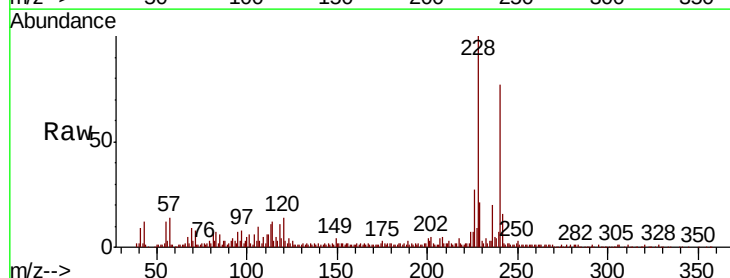
Tgt Ion:228 Resp: 86908

Ion Ratio Lower Upper

228 100

226 26.7 24.9 37.3

229 20.8 16.3 24.5

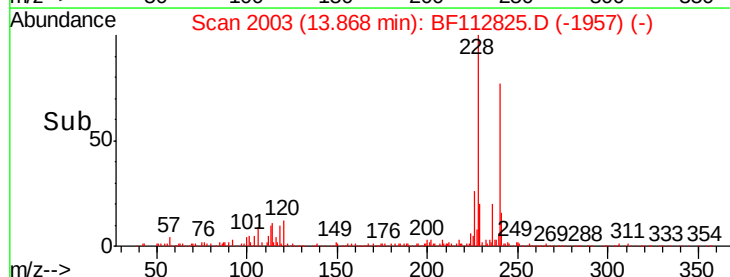
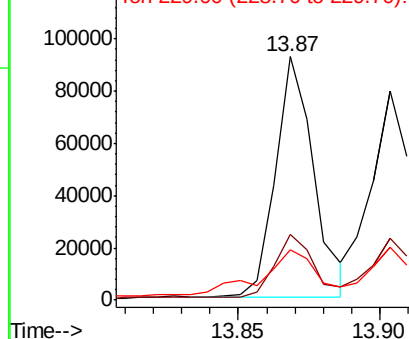


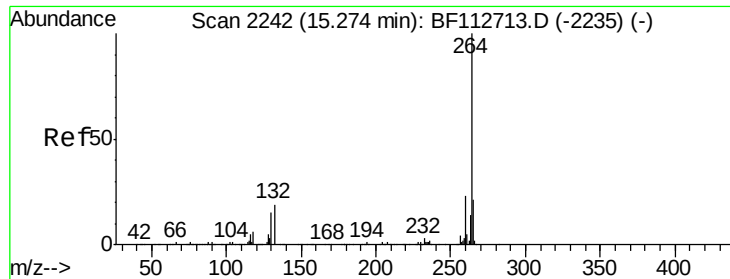
Abundance

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

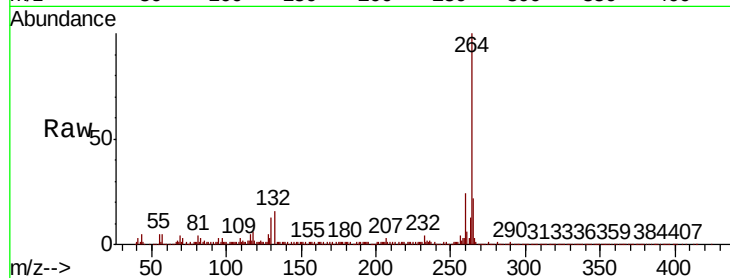




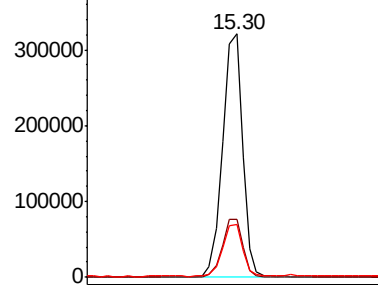
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

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

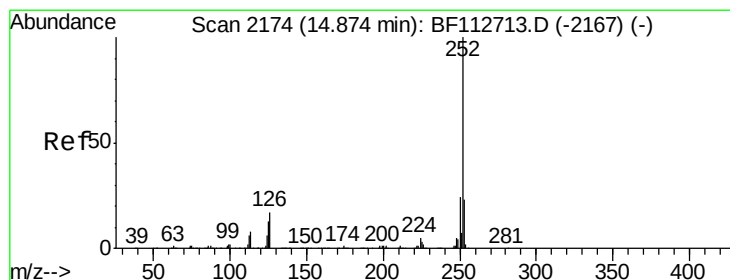
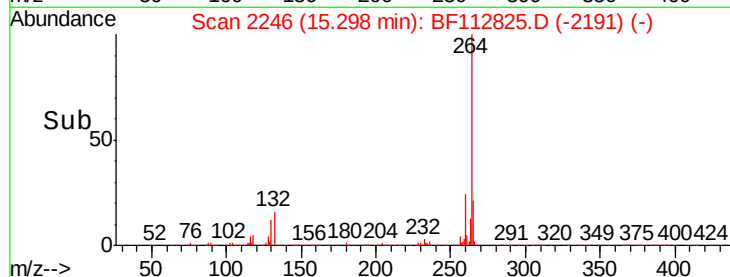
Tgt Ion:264 Resp: 384942
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 21.8 17.2 25.8



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

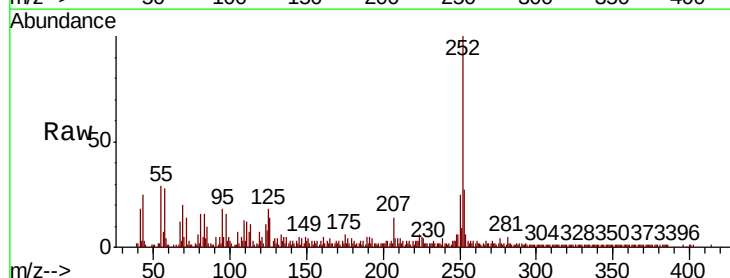


Time-->

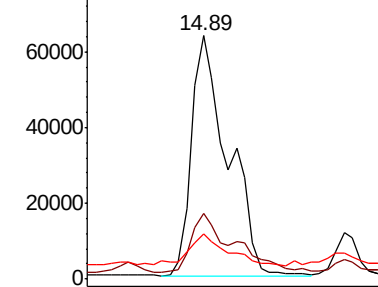


#88
Benzo(b)fluoranthene
Concen: 4.610 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

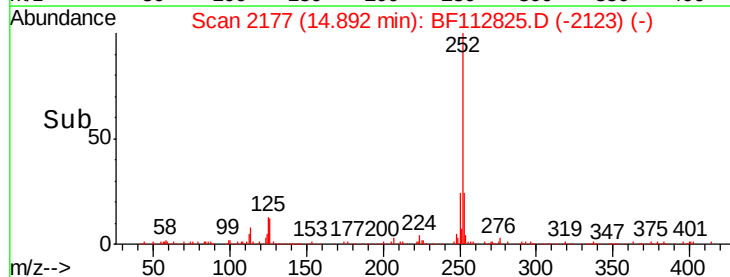
Tgt Ion:252 Resp: 114790
Ion Ratio Lower Upper
252 100
253 27.2 18.0 27.0#
125 18.5 10.2 15.2#

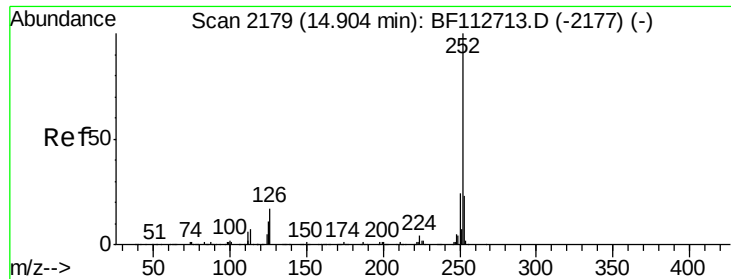


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->

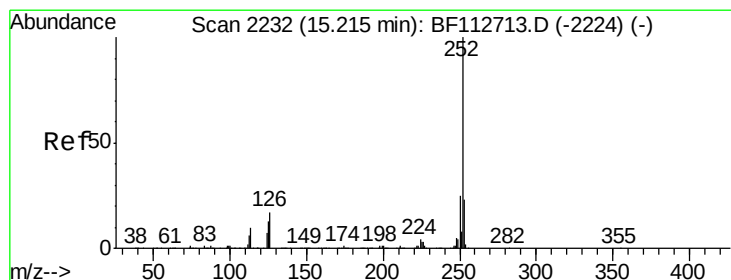
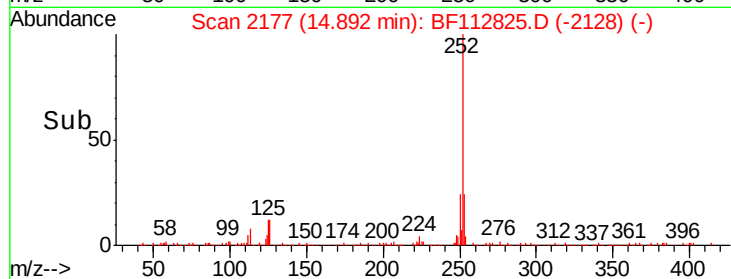
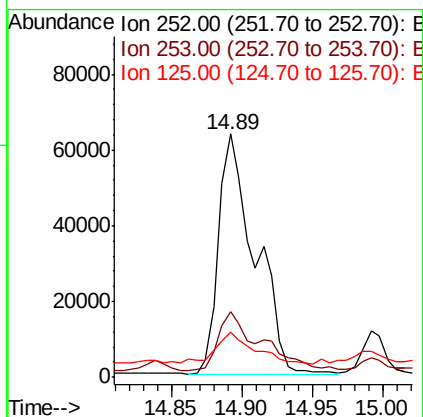
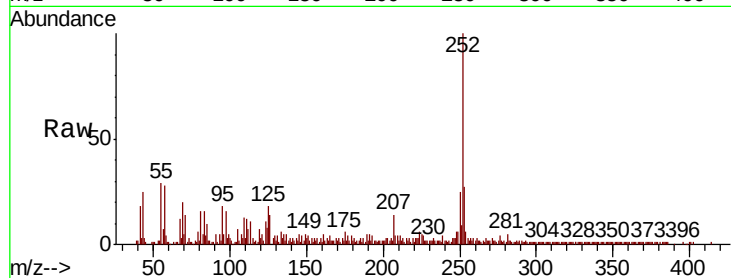




#89
Benzo(k)fluoranthene
Concen: 5.090 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

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

Tgt Ion:252 Resp: 114790
Ion Ratio Lower Upper
252 100
253 27.2 18.2 27.2
125 18.5 9.8 14.6#



#90
Benzo(a)pyrene
Concen: 2.653 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.02 min
Lab File: BF112825.D
Acq: 4 Mar 2019 15:39

Tgt Ion:252 Resp: 58434
Ion Ratio Lower Upper
252 100
253 26.4 18.0 27.0
125 17.9 10.7 16.1#

