

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113213.D
 Acq On : 21 Mar 2019 17:26
 Operator : JU/SJ
 Sample : K1694-05 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-032019-C

Quant Time: Mar 22 00:44:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

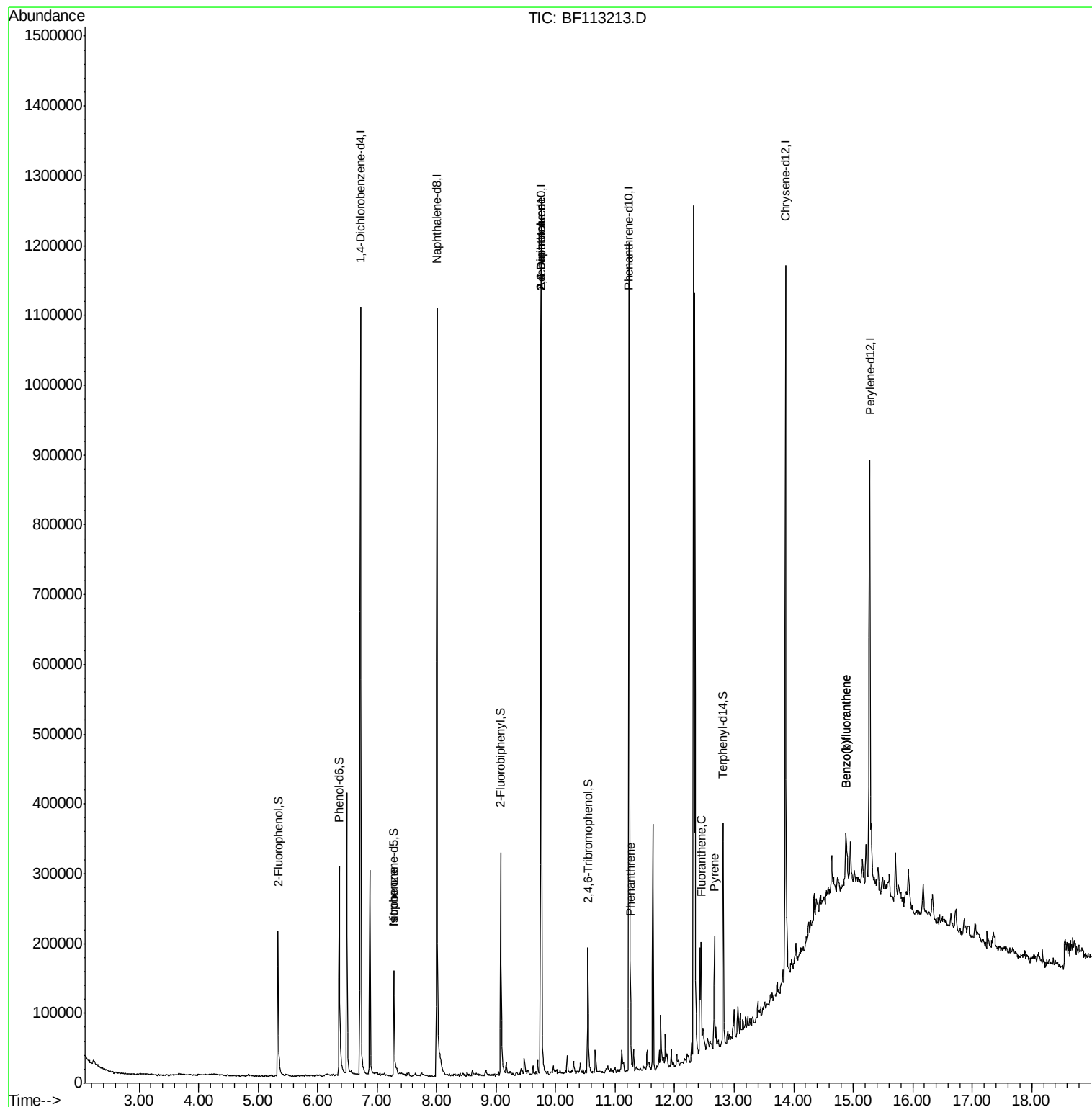
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	167638	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	559158	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	267101	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	468180	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	369411	20.00	ng	0.00
87) Perylene-d12	15.28	264	306199	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	77462	7.19	ng	-0.01
7) Phenol-d6	6.36	99	128410	9.49	ng	-0.01
23) Nitrobenzene-d5	7.28	82	63787	6.83	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	29591	10.44	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	136806	5.49	ng	-0.01
79) Terphenyl-d14	12.81	244	113239	5.94	ng	-0.01
Target Compounds						
25) Isophorone	7.28	82	63786	3.168	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	33779	8.236	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	33779	6.626	ng	# 18
71) Phenanthrene	11.26	178	47011	2.018	ng	96
75) Fluoranthene	12.44	202	68315	2.737	ng	96
78) Pyrene	12.67	202	69288	2.225	ng	97
88) Benzo(b)fluoranthene	14.88	252	45510	2.298	ng	# 89
89) Benzo(k)fluoranthene	14.88	252	45510	2.537	ng	# 88

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

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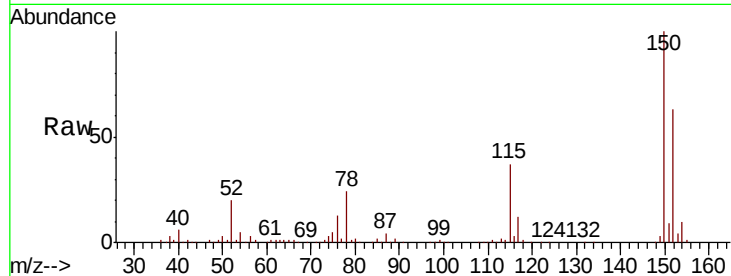


#1

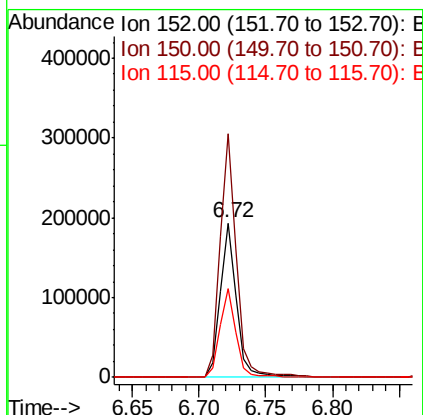
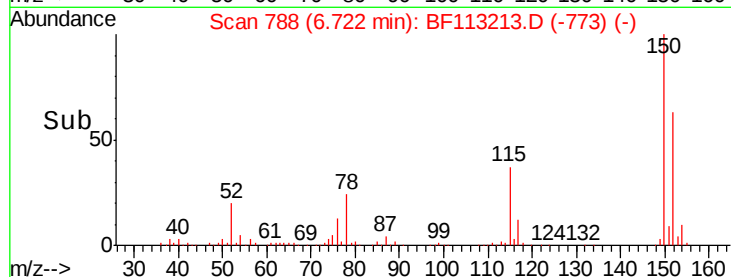
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

Instrument :
BNA_F
ClientSampleId :
EO-02-032019-C

Tgt Ion:152 Resp: 167638
Ion Ratio Lower Upper
152 100
150 157.5 124.2 186.2
115 57.5 48.2 72.4



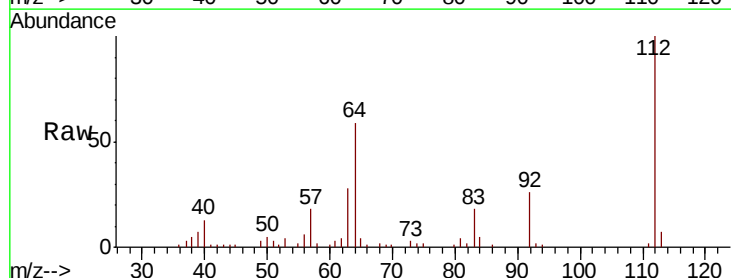
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



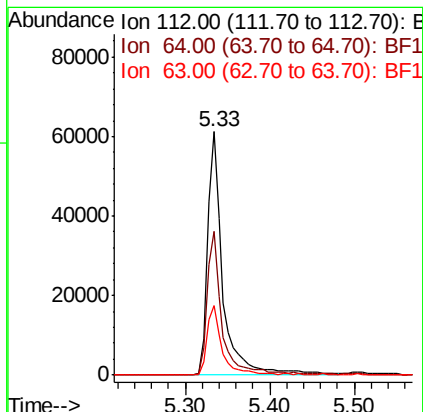
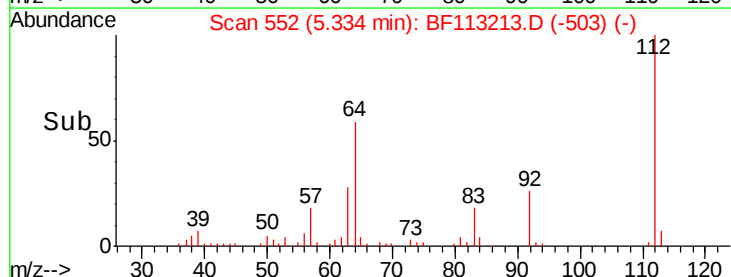
#5

2-Fluorophenol
Concen: 7.188 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

Tgt Ion:112 Resp: 77462
Ion Ratio Lower Upper
112 100
64 59.2 47.6 71.4
63 28.5 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: 9.486 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113213.D

Acq: 21 Mar 2019 17:26

Instrument :

BNA_F

ClientSampleId :

EO-02-032019-C

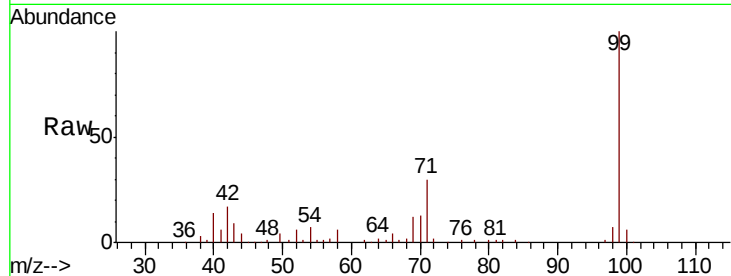
Tgt Ion: 99 Resp: 128410

Ion Ratio Lower Upper

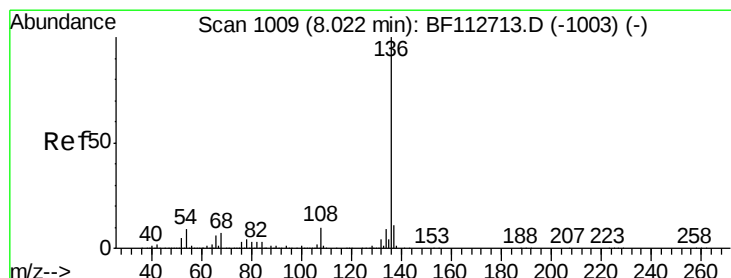
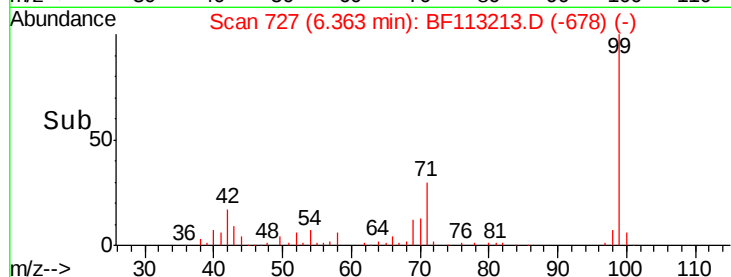
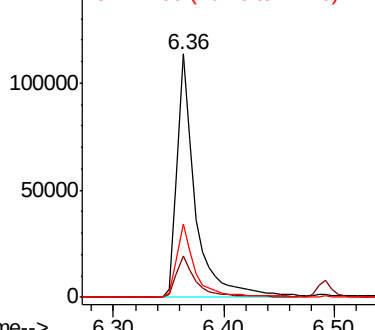
99 100

42 17.1 16.3 24.5

71 30.1 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: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113213.D

Acq: 21 Mar 2019 17:26

Tgt Ion: 136 Resp: 559158

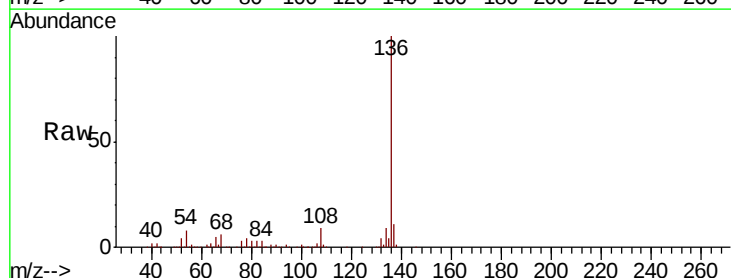
Ion Ratio Lower Upper

136 100

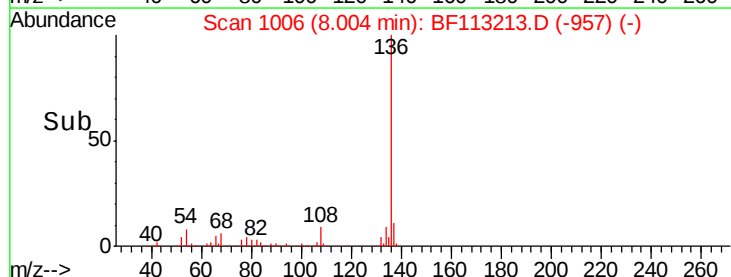
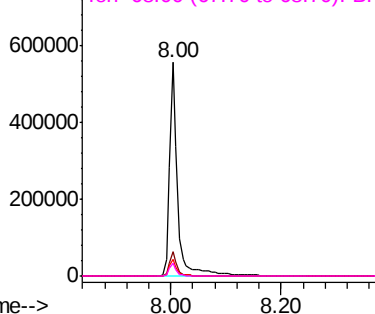
137 11.2 8.9 13.3

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

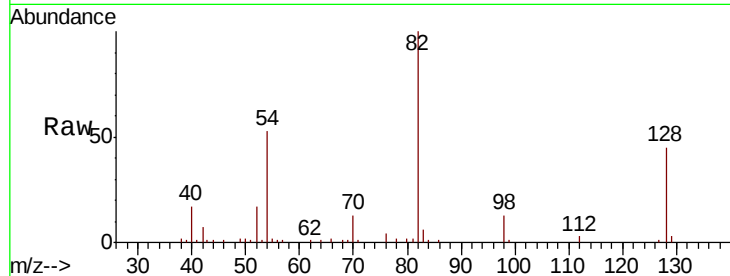




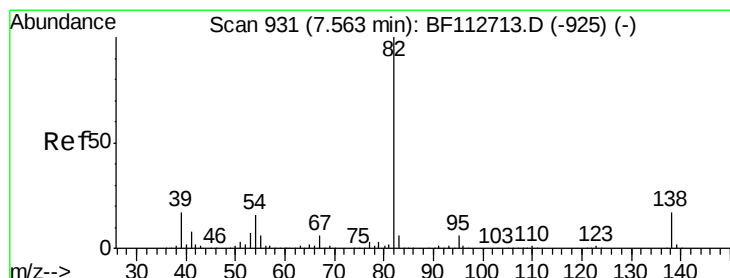
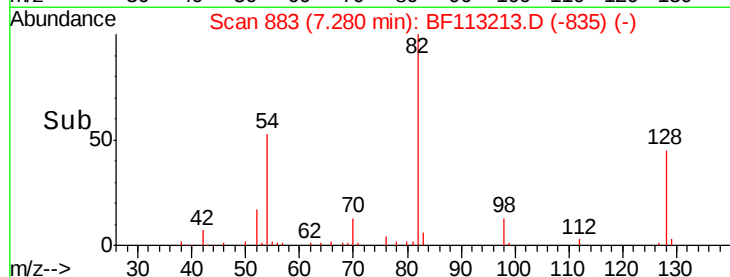
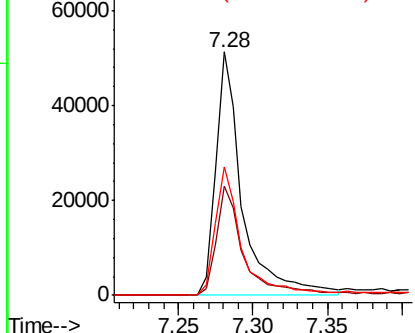
#23
Nitrobenzene-d5
Concen: 6.826 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

Instrument :
BNA_F
ClientSampleId :
EO-02-032019-C

Tgt Ion: 82 Resp: 63787
Ion Ratio Lower Upper
82 100
128 44.7 36.3 54.5
54 52.9 43.7 65.5

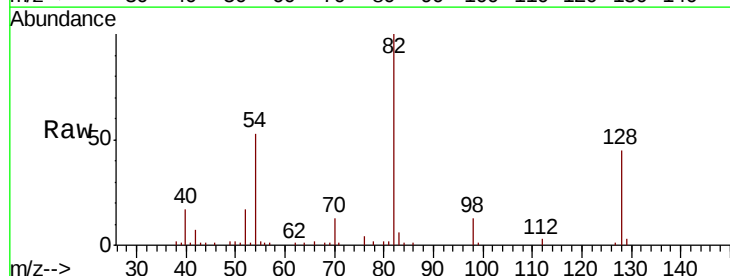


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

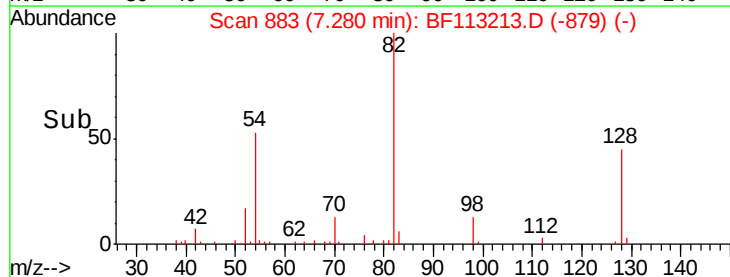
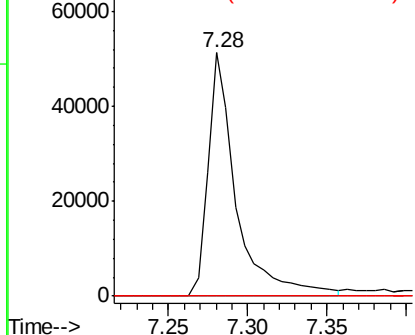


#25
Isophorone
Concen: 3.168 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.28 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

Tgt Ion: 82 Resp: 63786
Ion Ratio Lower Upper
82 100
95 0.0 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

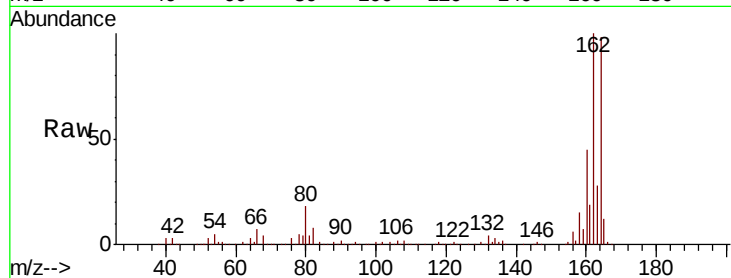




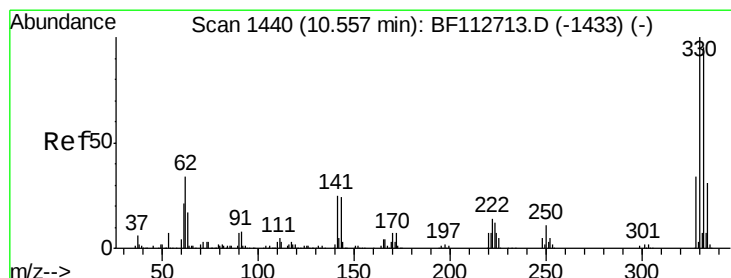
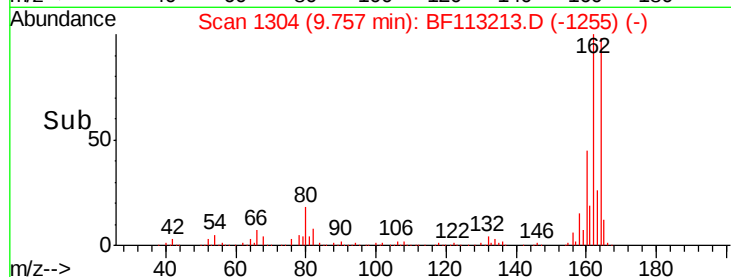
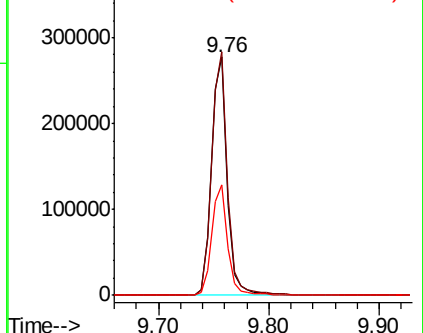
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113213.D
 Acq: 21 Mar 2019 17:26

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-032019-C

Tgt Ion:164 Resp: 267101
 Ion Ratio Lower Upper
 164 100
 162 102.2 80.6 120.8
 160 46.2 36.0 54.0

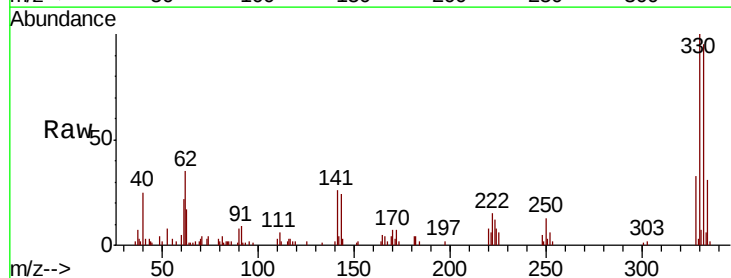


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

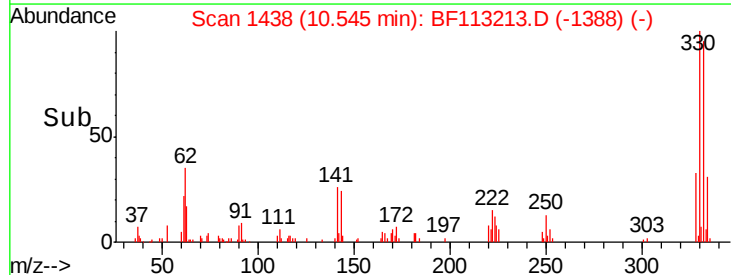
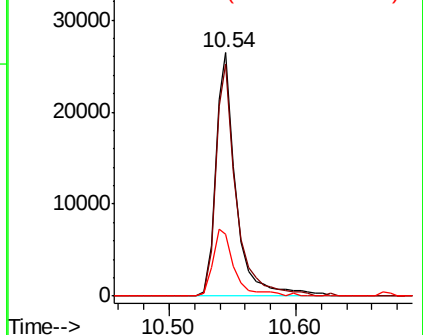


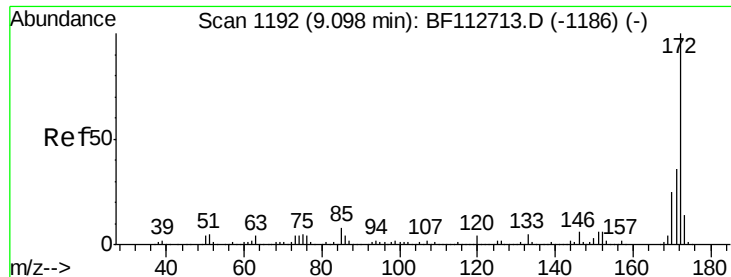
#42
 2,4,6-Tribromophenol
 Concen: 10.435 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113213.D
 Acq: 21 Mar 2019 17:26

Tgt Ion:330 Resp: 29591
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.2 114.4
 141 29.5 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

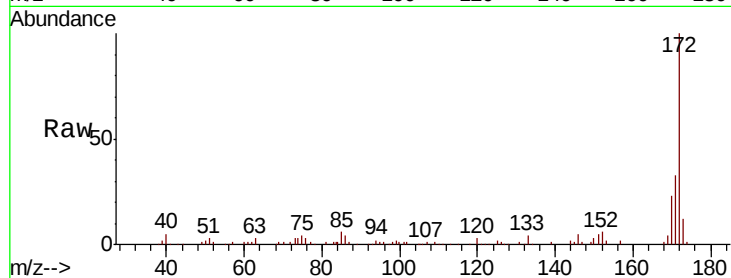




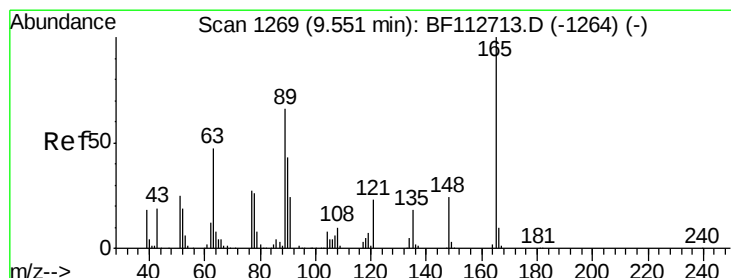
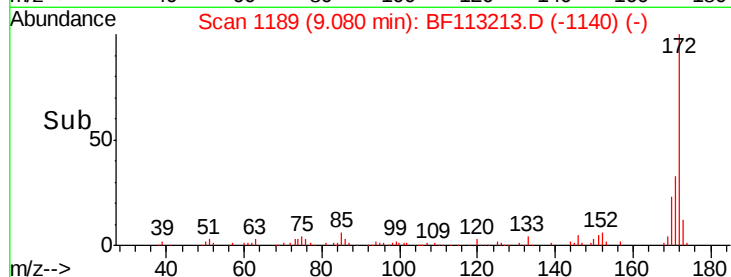
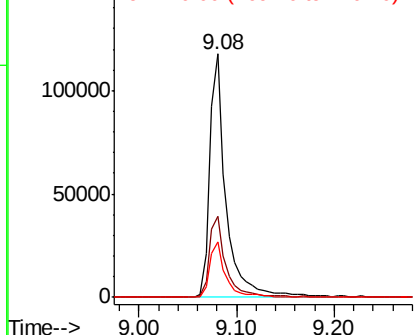
#45
 2-Fluorobiphenyl
 Concen: 5.487 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113213.D
 Acq: 21 Mar 2019 17:26

Instrument :
 BNA_F
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 EO-02-032019-C

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.0	43.4
170	22.8	20.0	30.0

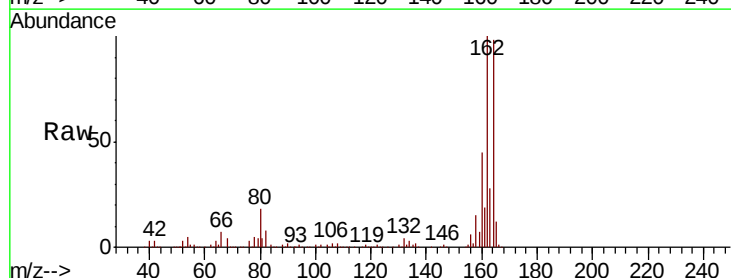


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

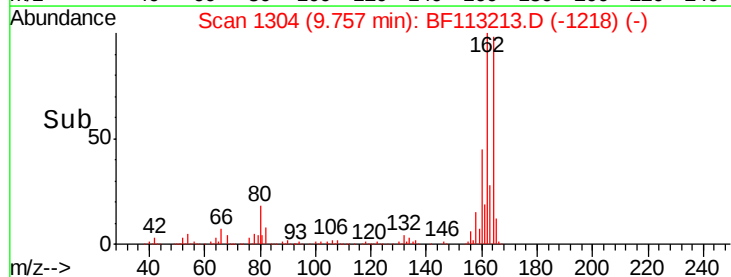
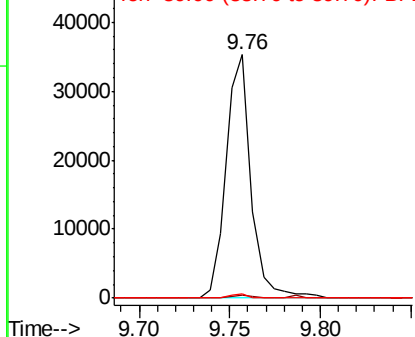


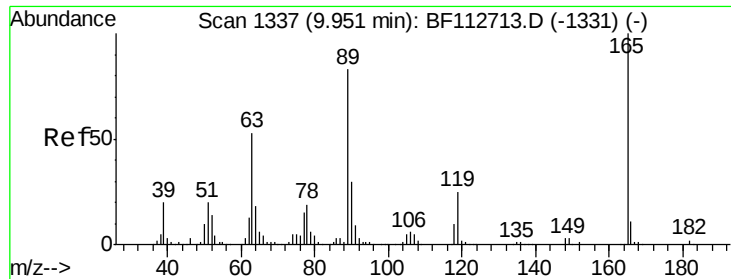
#51
 2,6-Dinitrotoluene
 Concen: 8.236 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113213.D
 Acq: 21 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	54.1	81.1#
89	1.7	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

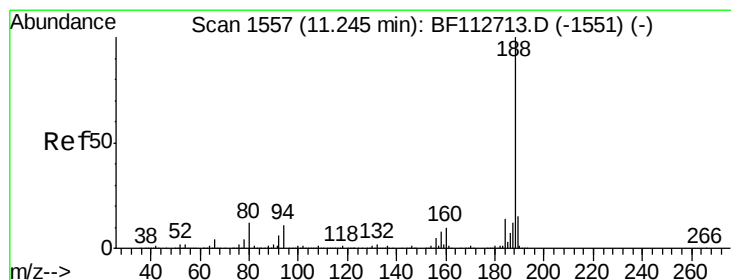
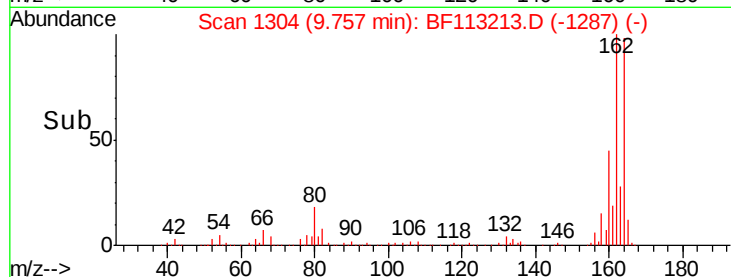
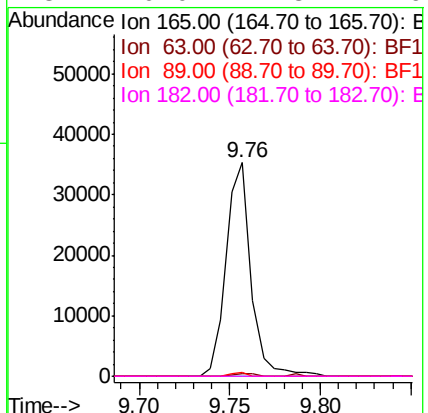
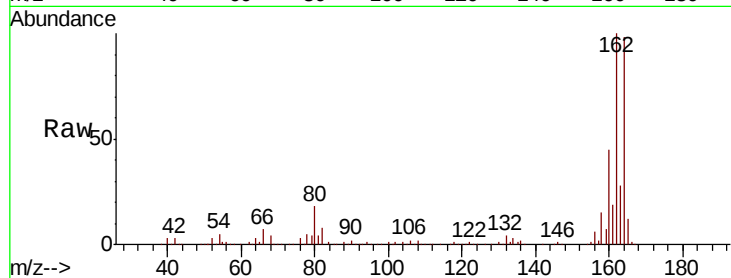




#57
 2,4-Dinitrotoluene
 Concen: 6.626 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113213.D
 Acq: 21 Mar 2019 17:26

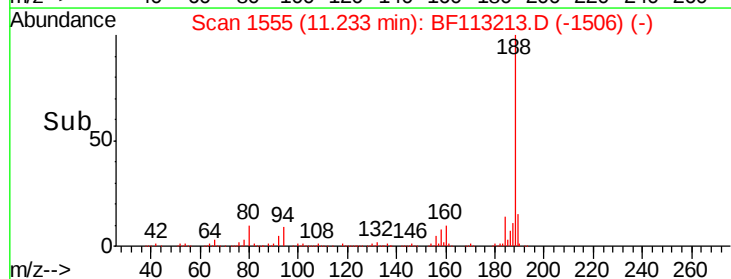
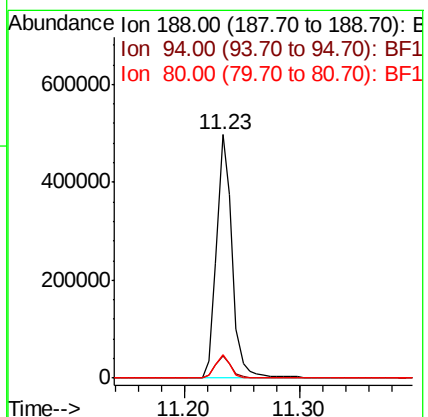
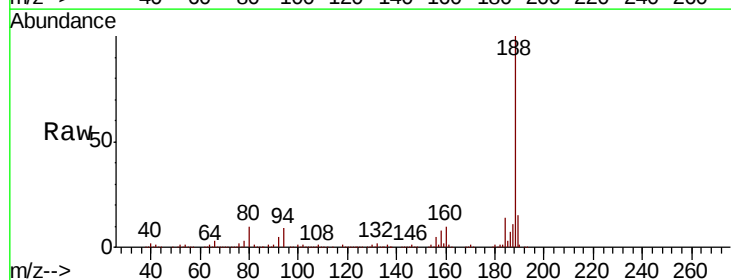
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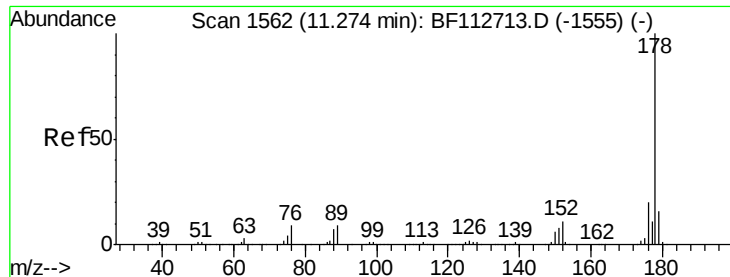
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.7	66.2	99.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113213.D
 Acq: 21 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	9.0	13.4
80	9.6	9.2	13.8

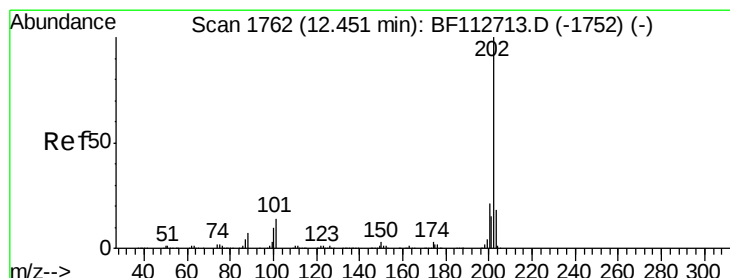
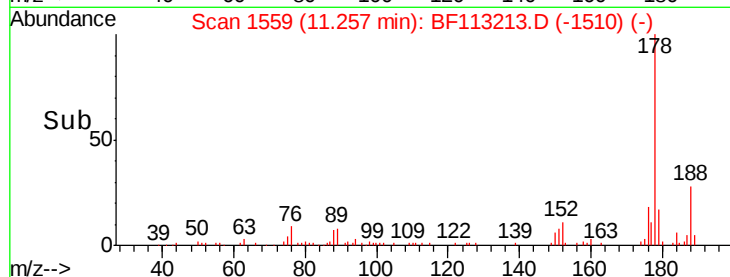
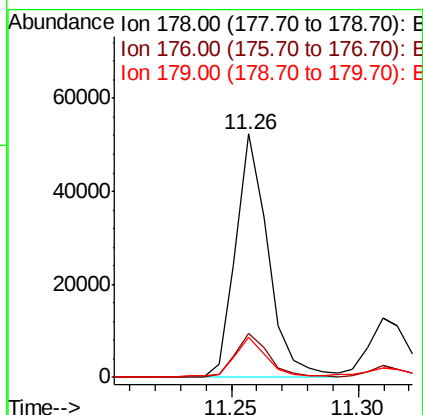
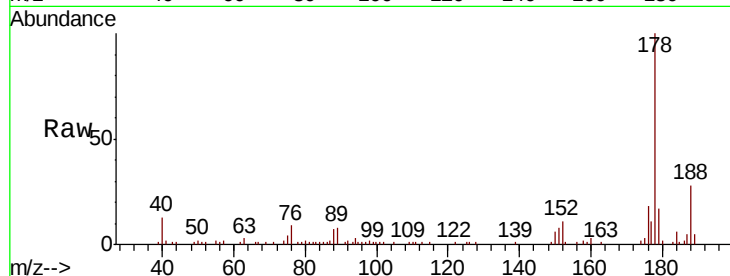




#71
Phenanthrene
Concen: 2.018 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

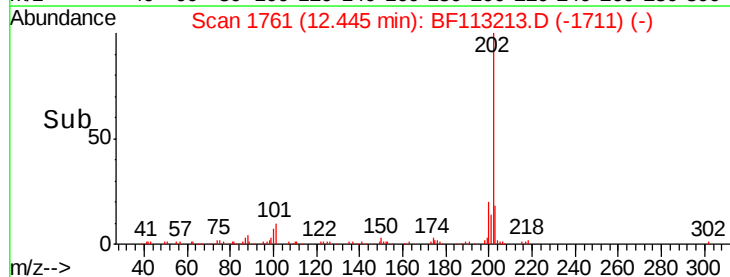
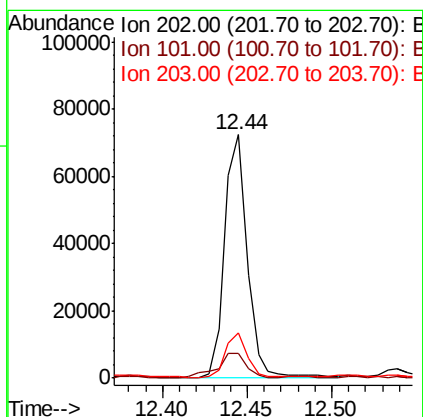
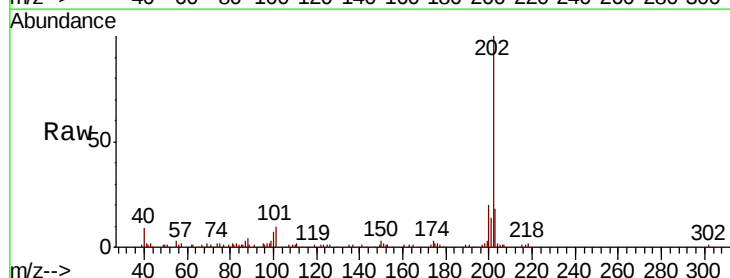
Instrument :
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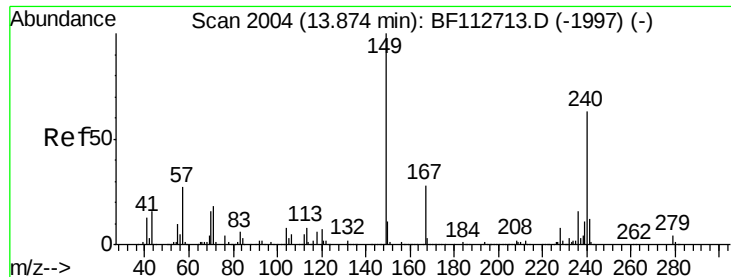
Tgt Ion:178 Resp: 47011
Ion Ratio Lower Upper
178 100
176 17.9 16.3 24.5
179 16.7 12.7 19.1



#75
Fluoranthene
Concen: 2.737 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

Tgt Ion:202 Resp: 68315
Ion Ratio Lower Upper
202 100
101 10.2 0.0 33.8
203 18.3 0.0 38.4

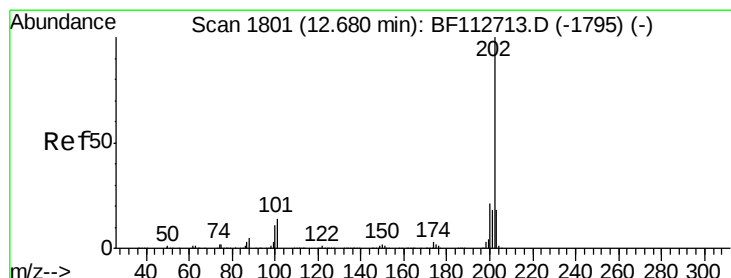
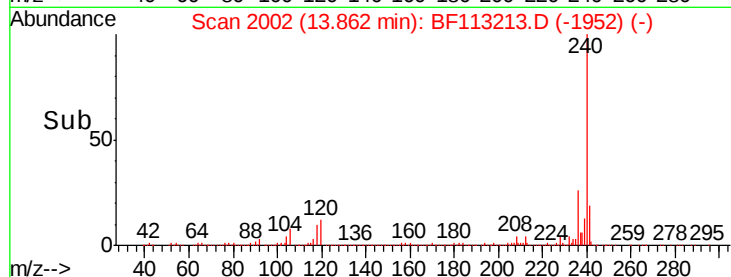
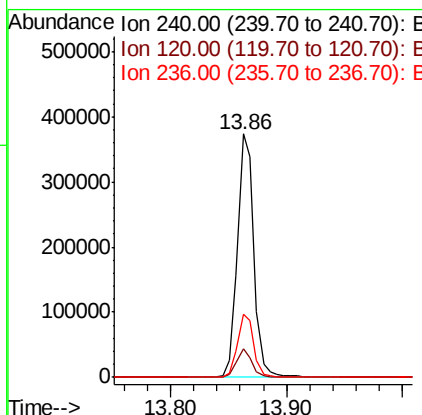
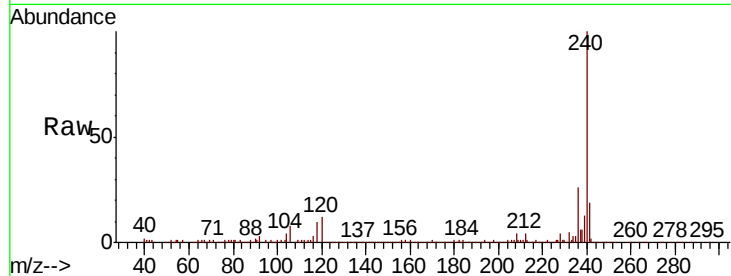




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

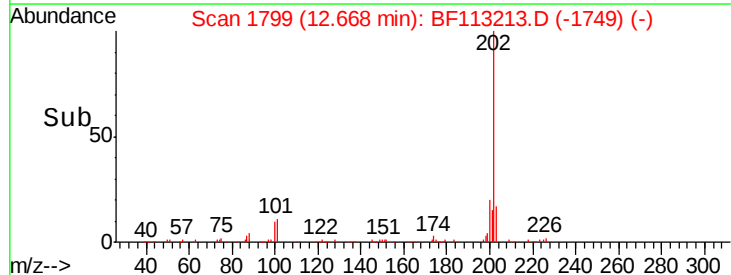
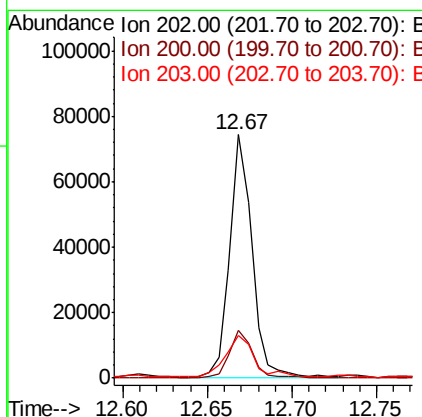
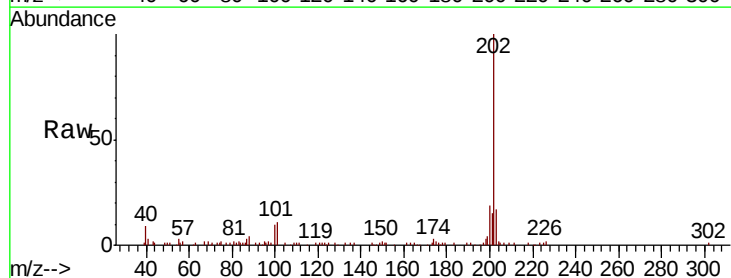
Instrument :
BNA_F
ClientSampleId :
EO-02-032019-C

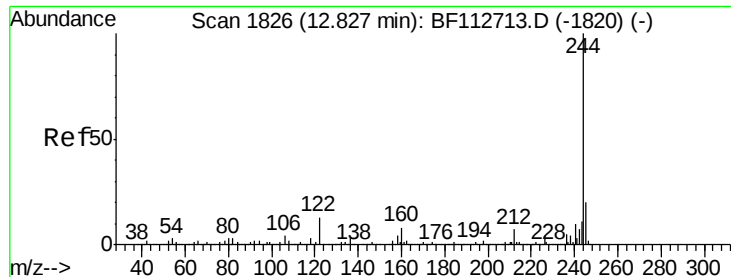
Tgt Ion:240 Resp: 369411
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 26.2 20.7 31.1



#78
Pyrene
Concen: 2.225 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

Tgt Ion:202 Resp: 69288
Ion Ratio Lower Upper
202 100
200 19.4 17.0 25.4
203 17.5 14.4 21.6

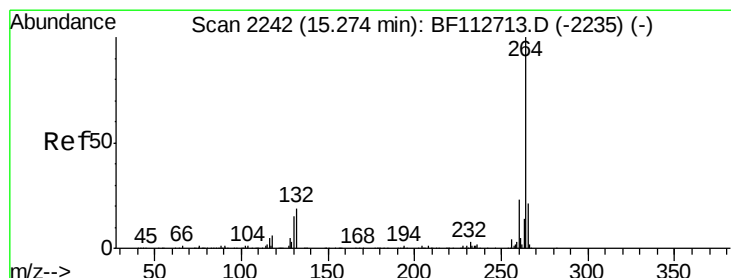
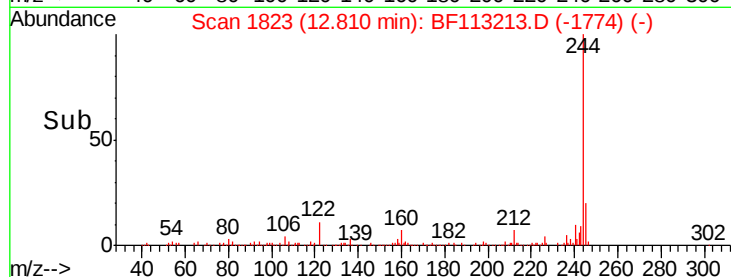
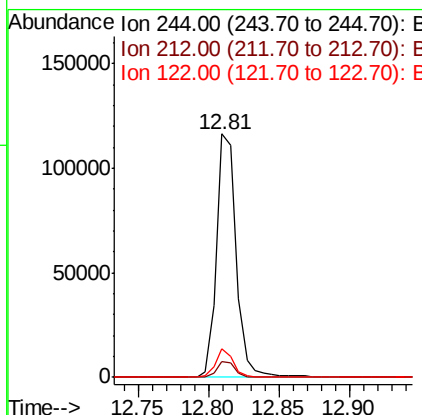
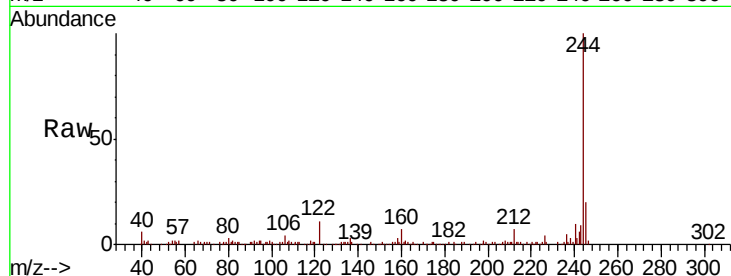




#79
 Terphenyl-d14
 Concen: 5.942 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113213.D
 Acq: 21 Mar 2019 17:26

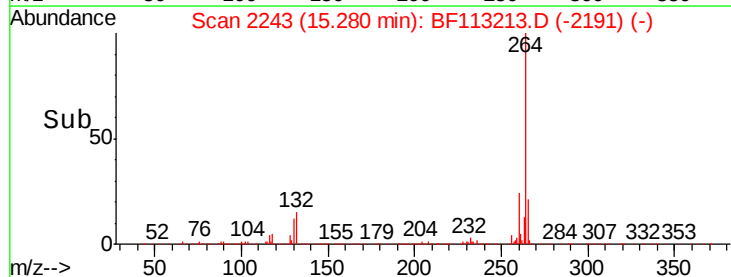
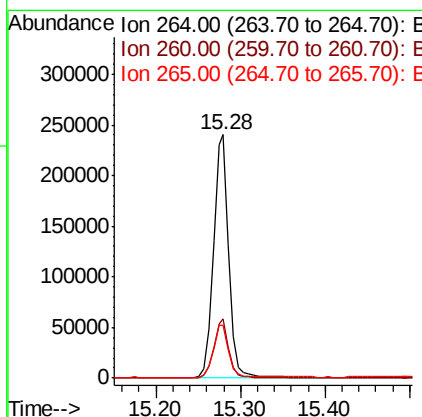
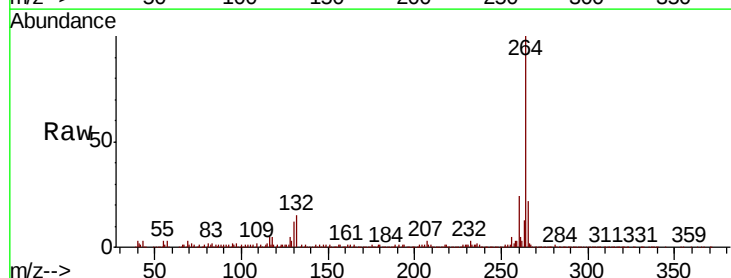
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-032019-C

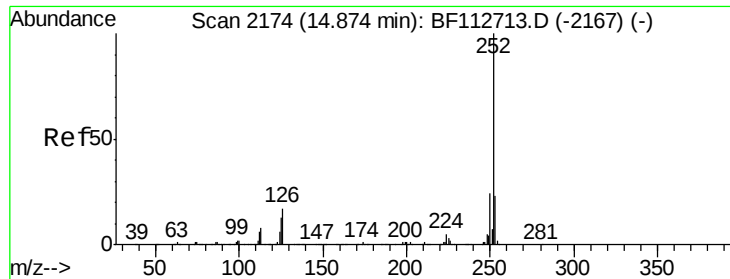
Tgt Ion:244 Resp: 113239
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.5 10.5 15.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF113213.D
 Acq: 21 Mar 2019 17:26

Tgt Ion:264 Resp: 306199
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.7 28.1
 265 21.7 17.2 25.8

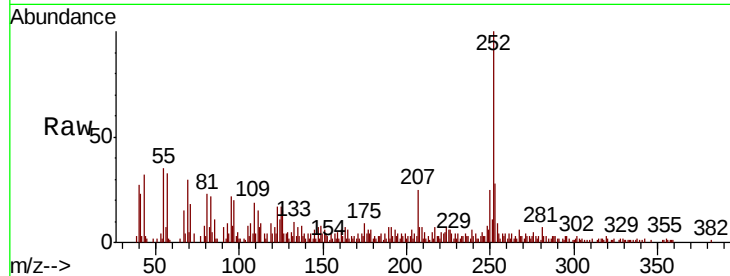




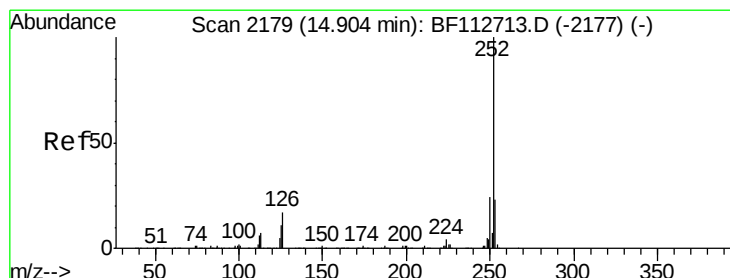
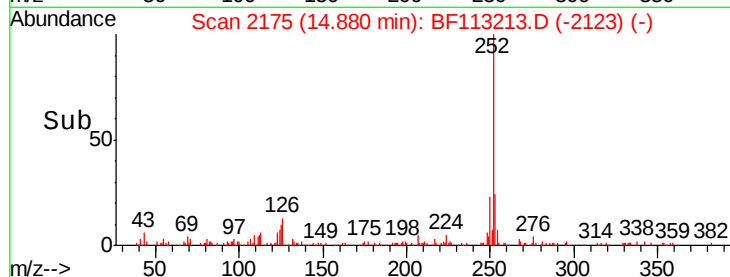
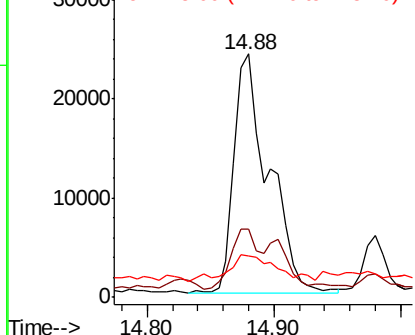
#88
Benzo(b)fluoranthene
Concen: 2.298 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

Instrument :
BNA_F
ClientSampleId :
EO-02-032019-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.0	27.0#
125	16.8	10.2	15.2#

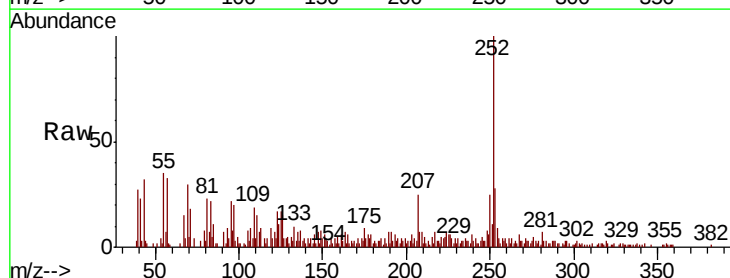


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.537 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113213.D
Acq: 21 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.2	27.2#
125	16.8	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

