

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031519\
 Data File : BF113082.D
 Acq On : 15 Mar 2019 22:59
 Operator : JU/SJ
 Sample : K1901-10 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16(7-8)

Quant Time: Mar 15 23:38:46 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	6.73	152	122178	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	517982	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	263214	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	524203	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	421071	20.00	ng	0.00
87) Perylene-d12	15.27	264	456529	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	136943	17.44	ng	-0.01
7) Phenol-d6	6.36	99	187840	19.04	ng	-0.01
23) Nitrobenzene-d5	7.28	82	99614	11.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	60914	21.80	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	220311	10.06	ng	-0.01
79) Terphenyl-d14	12.81	244	244911	11.28	ng	-0.01

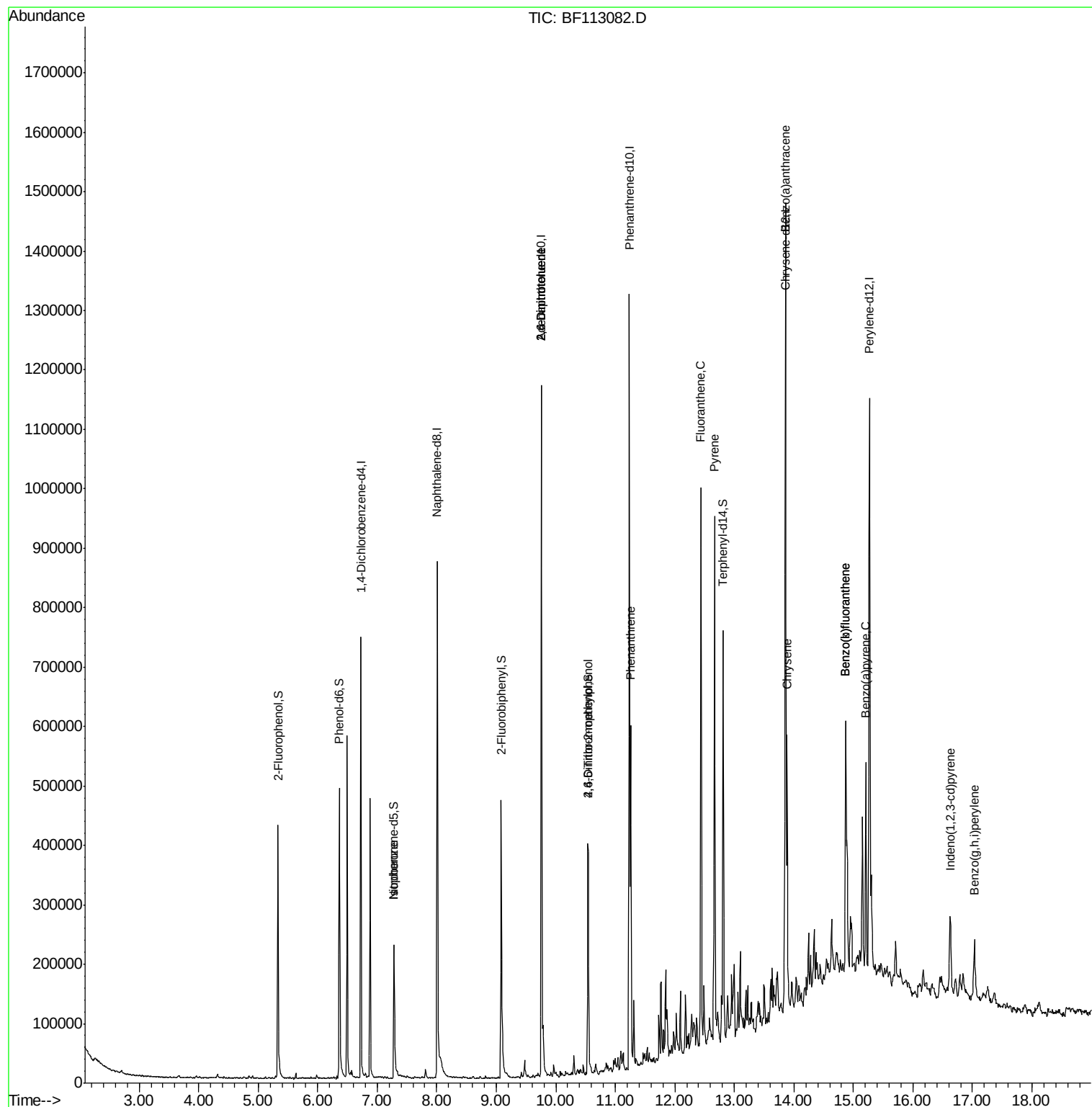
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.28	82	99614	5.342	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	32535	8.050	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	32535	6.476	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.54	198	181	4.689	ng	# 65
71) Phenanthrene	11.26	178	206246	7.908	ng	97
75) Fluoranthene	12.44	202	417587	14.944	ng	95
78) Pyrene	12.67	202	366976	10.338	ng	99
81) Benzo(a)anthracene	13.85	228	187163	6.413	ng	99
83) Chrysene	13.89	228	172893	6.048	ng	97
86) Indeno(1,2,3-cd)pyrene	16.62	276	91206	3.743	ng	# 92
88) Benzo(b)fluoranthene	14.87	252	313667	10.622	ng	98
89) Benzo(k)fluoranthene	14.87	252	313667	11.727	ng	99
90) Benzo(a)pyrene	15.21	252	172834	6.617	ng	97
92) Benzo(g,h,i)perylene	17.03	276	81364	3.636	ng	93

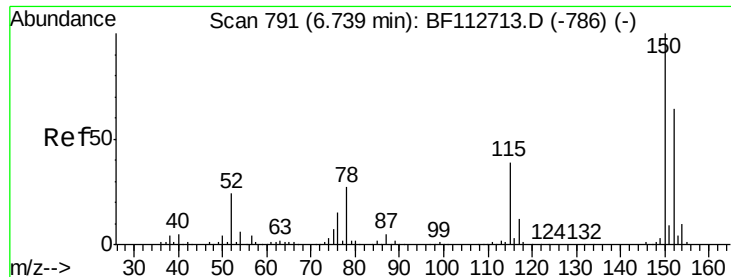
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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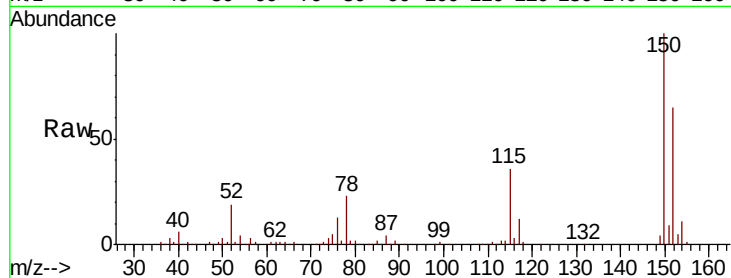


#1

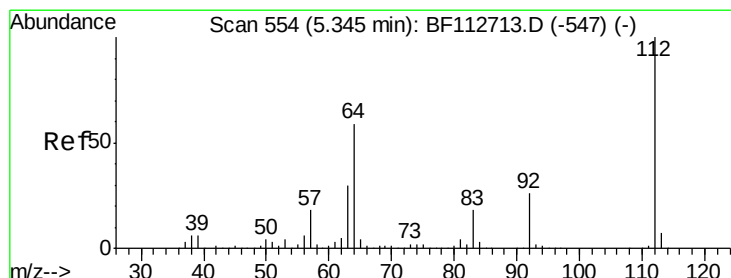
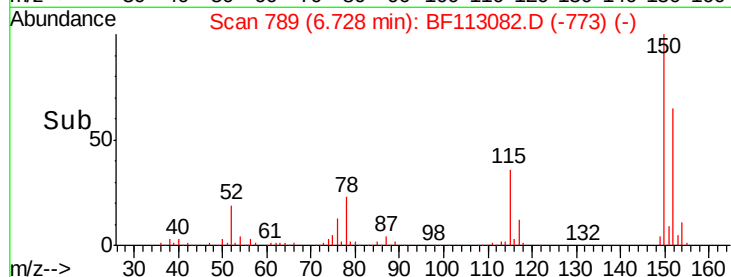
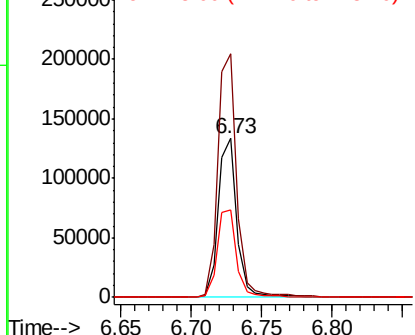
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampleId :
SB-16(7-8)

Tgt Ion:152 Resp: 122178
Ion Ratio Lower Upper
152 100
150 153.5 124.2 186.2
115 55.4 48.2 72.4



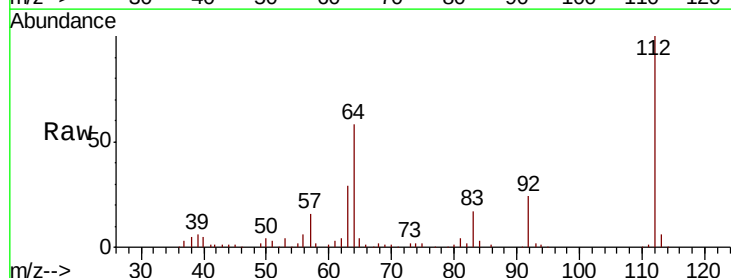
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



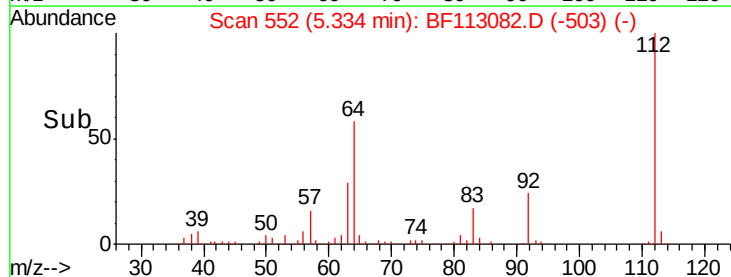
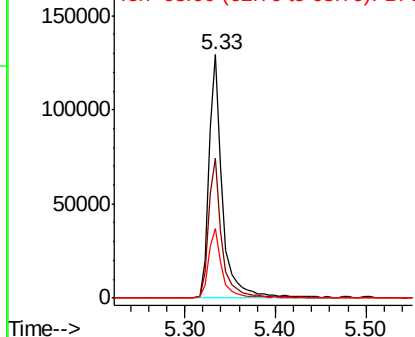
#5

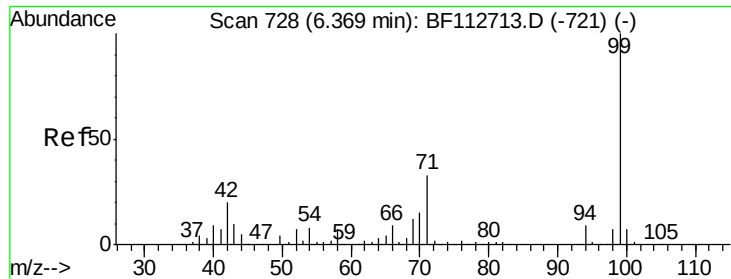
2-Fluorophenol
Concen: 17.435 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion:112 Resp: 136943
Ion Ratio Lower Upper
112 100
64 57.7 47.6 71.4
63 28.6 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: 19.038 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Instrument :

BNA_F

ClientSampleId :

SB-16(7-8)

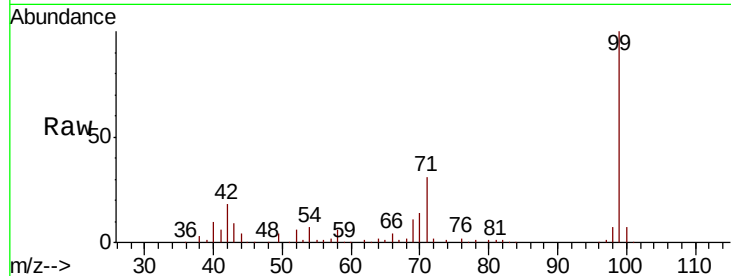
Tgt Ion: 99 Resp: 187840

Ion Ratio Lower Upper

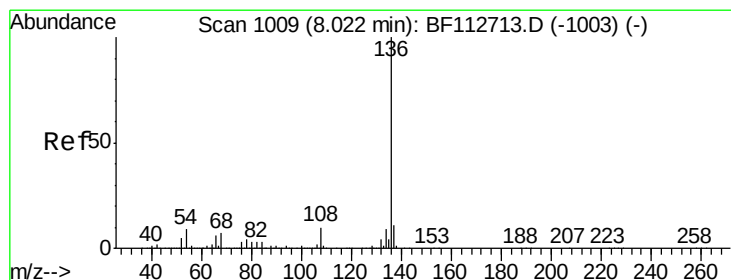
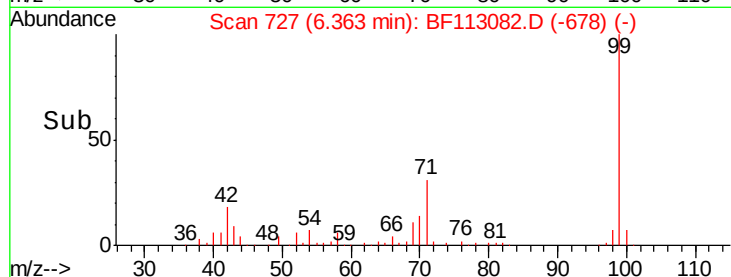
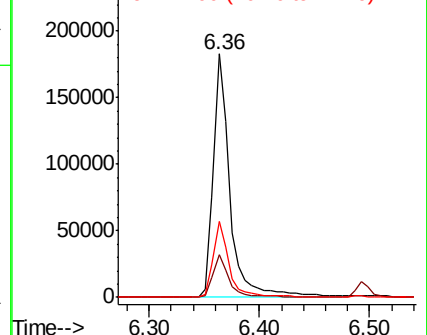
99 100

42 17.7 16.3 24.5

71 31.3 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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Tgt Ion: 136 Resp: 517982

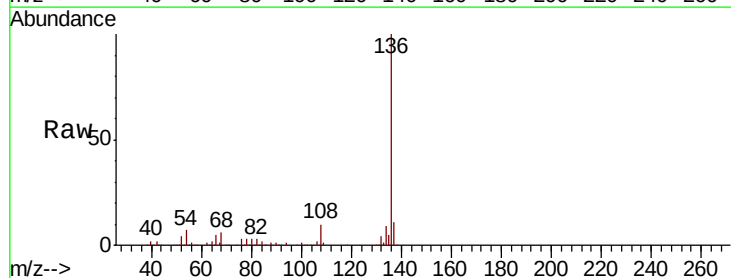
Ion Ratio Lower Upper

136 100

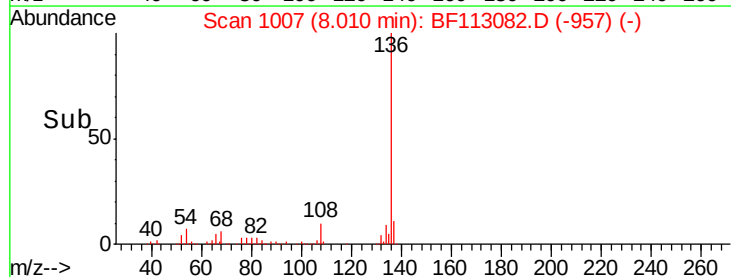
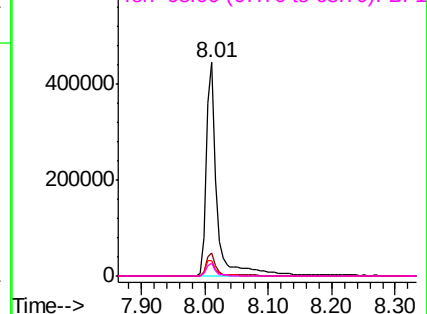
137 10.9 8.9 13.3

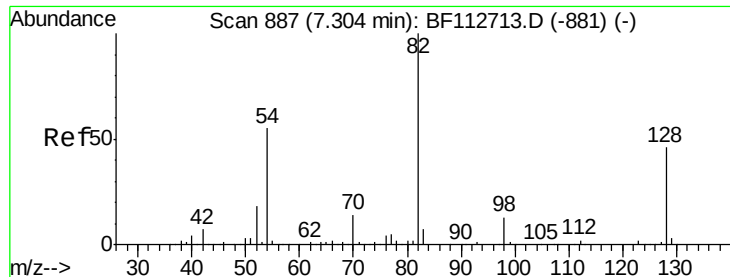
54 7.5 7.3 10.9

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

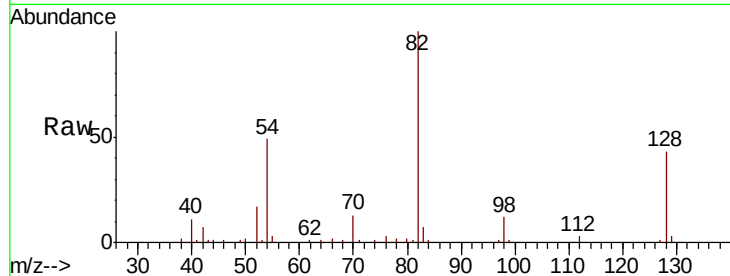




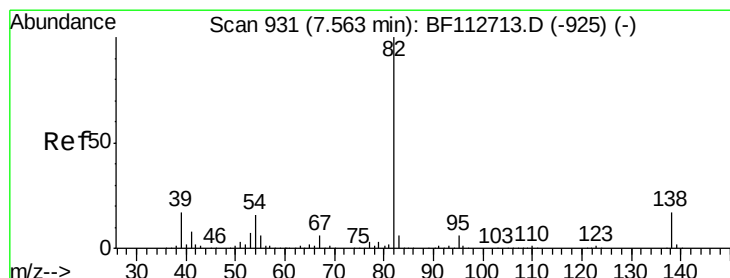
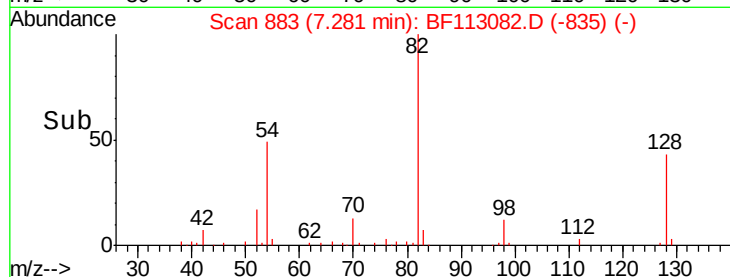
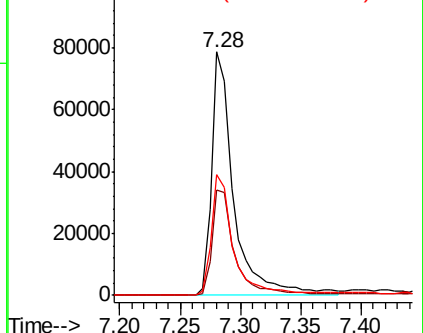
#23
 Nitrobenzene-d5
 Concen: 11.508 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113082.D
 Acq: 15 Mar 2019 22:59

Instrument :
 BNA_F
 ClientSampled :
 SB-16(7-8)

Tgt Ion: 82 Resp: 99614
 Ion Ratio Lower Upper
 82 100
 128 43.1 36.3 54.5
 54 49.5 43.7 65.5

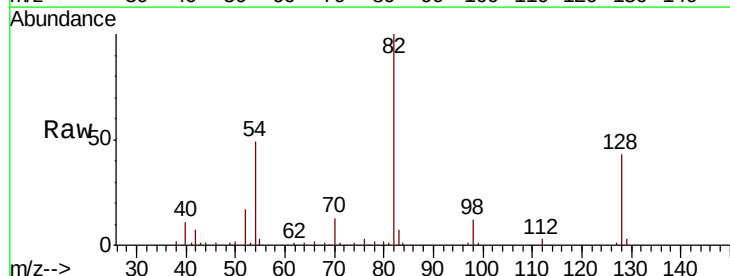


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

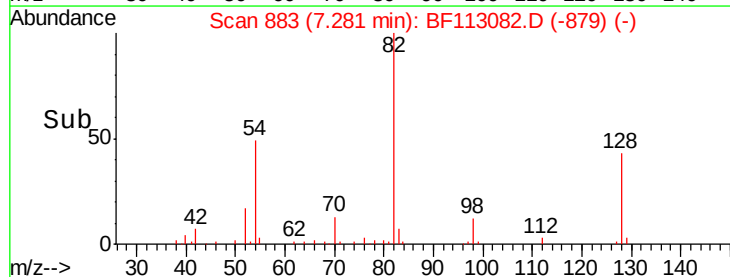
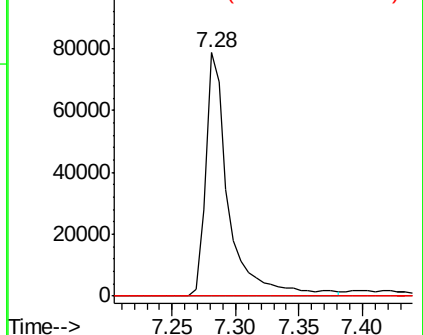


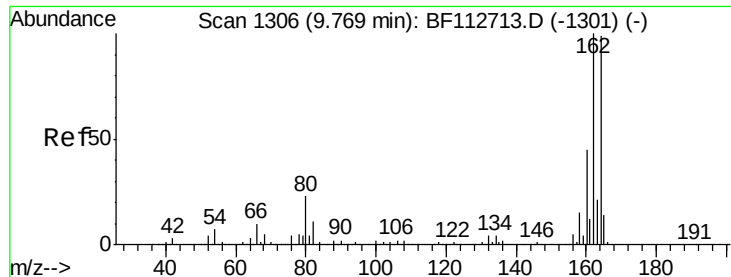
#25
 Isophorone
 Concen: 5.342 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.28 min
 Lab File: BF113082.D
 Acq: 15 Mar 2019 22:59

Tgt Ion: 82 Resp: 99614
 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

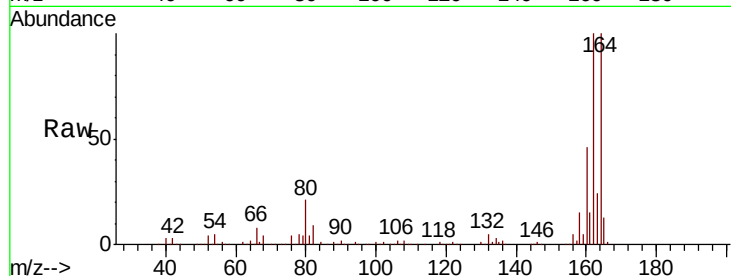




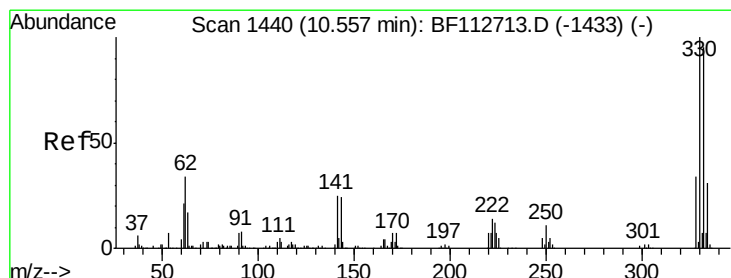
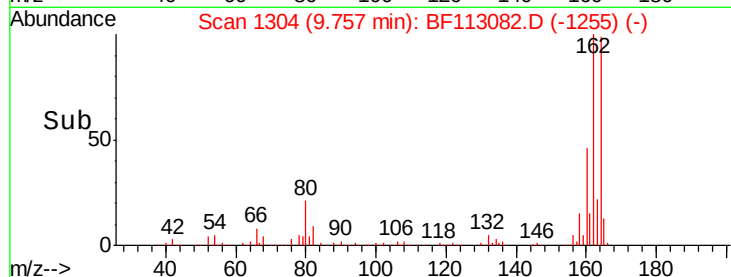
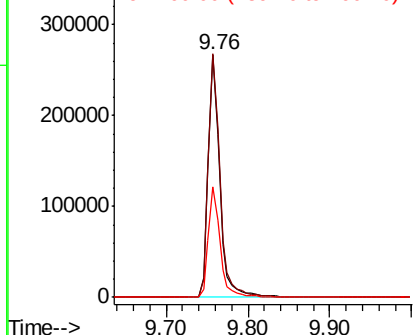
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampleId :
SB-16(7-8)

Tgt Ion:164 Resp: 263214
Ion Ratio Lower Upper
164 100
162 100.4 80.6 120.8
160 45.7 36.0 54.0

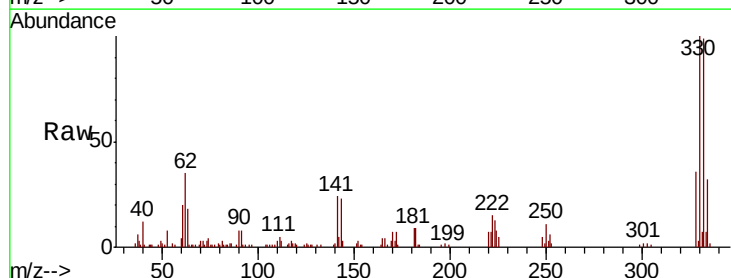


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

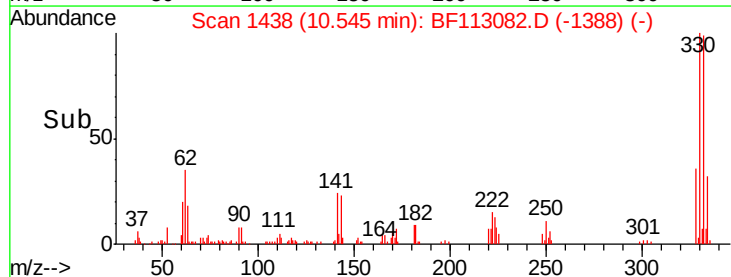
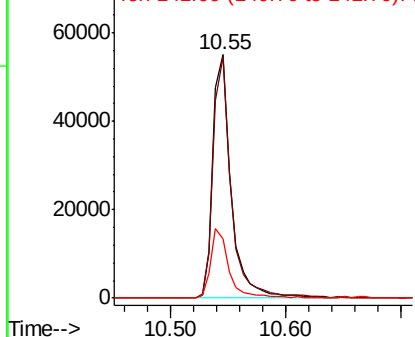


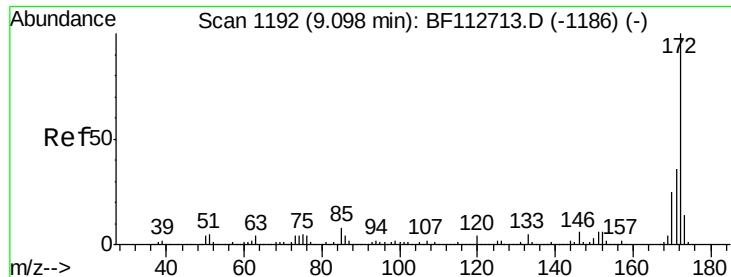
#42
2,4,6-Tribromophenol
Concen: 21.799 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion:330 Resp: 60914
Ion Ratio Lower Upper
330 100
332 97.4 76.2 114.4
141 28.3 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

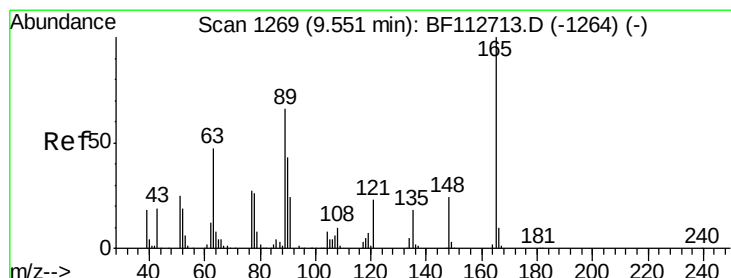
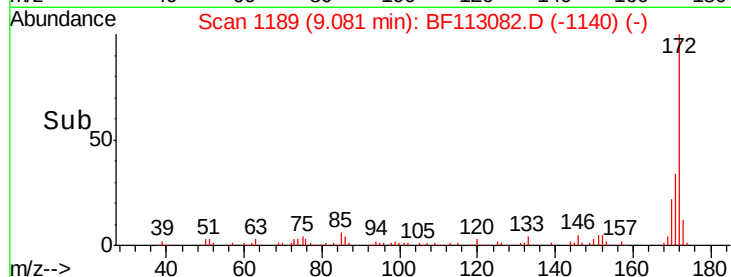
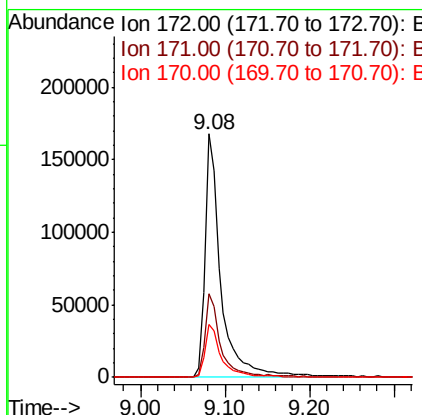
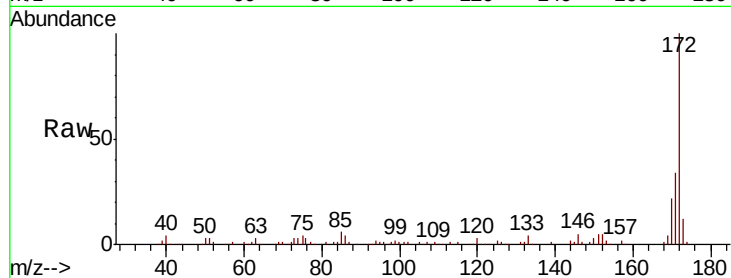




#45
 2-Fluorobiphenyl
 Concen: 10.061 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113082.D
 Acq: 15 Mar 2019 22:59

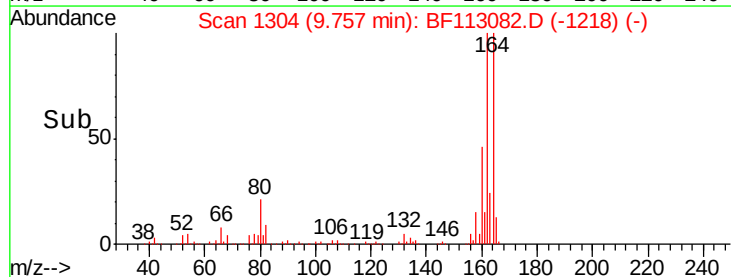
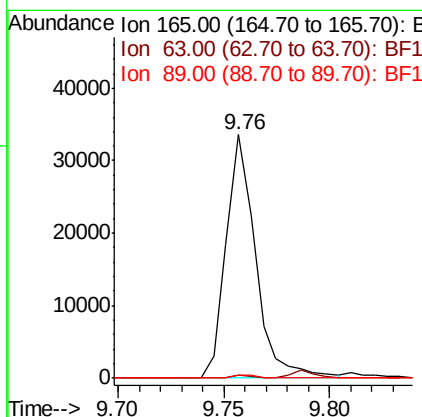
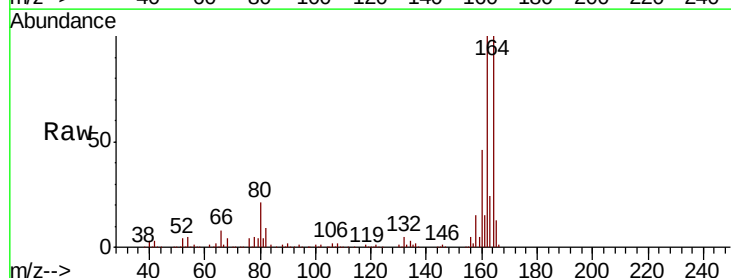
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 BNA_F
 ClientSampleId :
 SB-16(7-8)

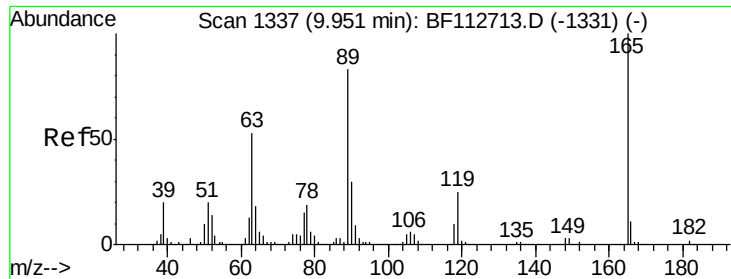
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.4
170	22.0	20.0	30.0



#51
 2,6-Dinitrotoluene
 Concen: 8.050 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113082.D
 Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	54.1	81.1#
89	1.1	52.8	79.2#

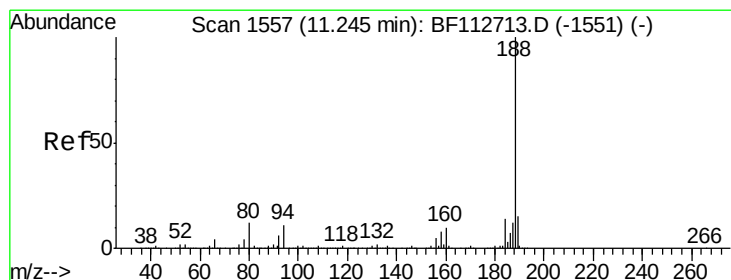
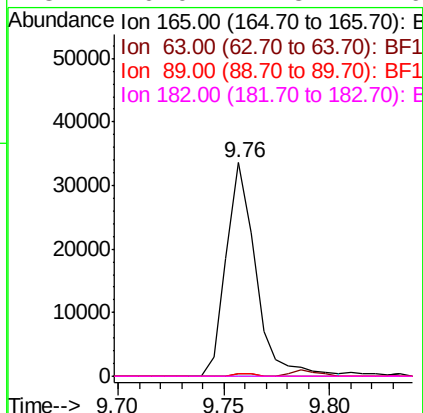
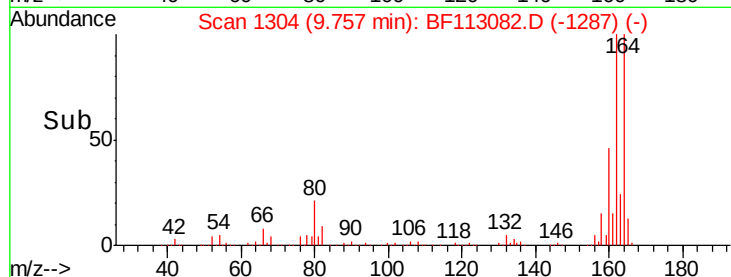
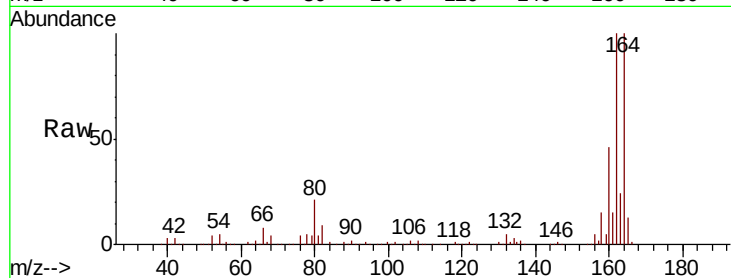




#57
2,4-Dinitrotoluene
Concen: 6.476 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.20 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

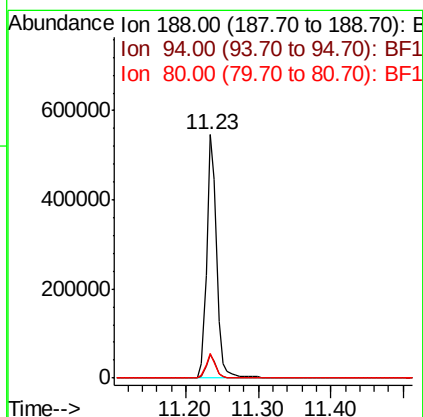
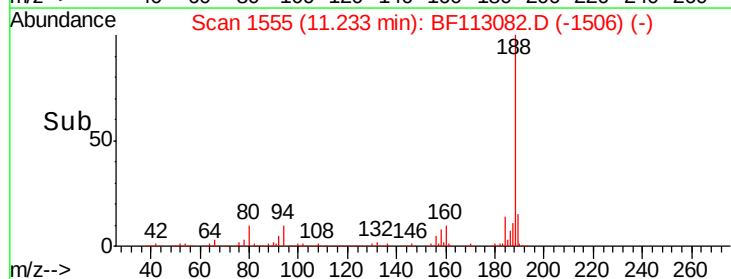
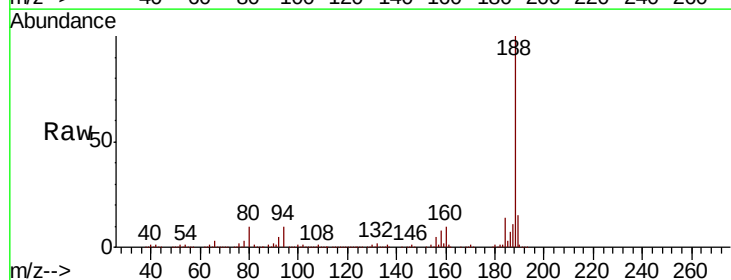
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SB-16(7-8)

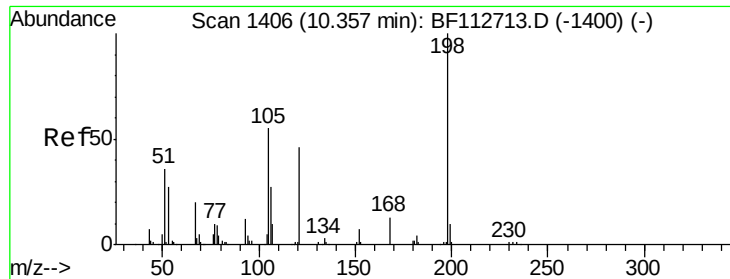
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.1	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.0	13.4
80	10.1	9.2	13.8

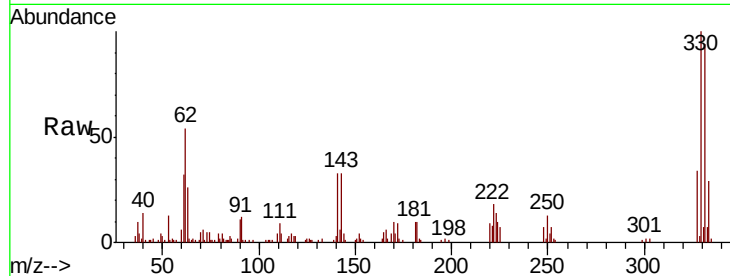




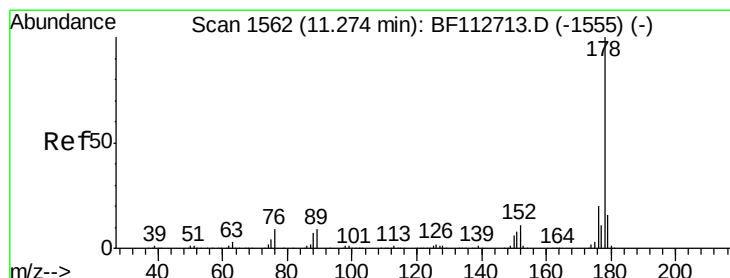
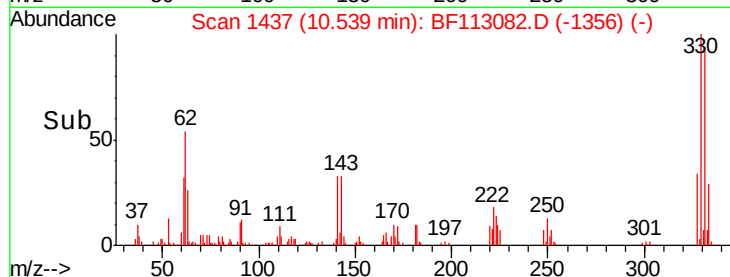
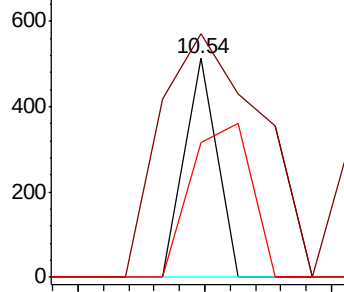
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.689 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF113082.D
 Acq: 15 Mar 2019 22:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-16(7-8)

Tgt Ion:198 Resp: 181
 Ion Ratio Lower Upper
 198 100
 51 111.3 43.8 83.8#
 105 61.4 36.5 76.5

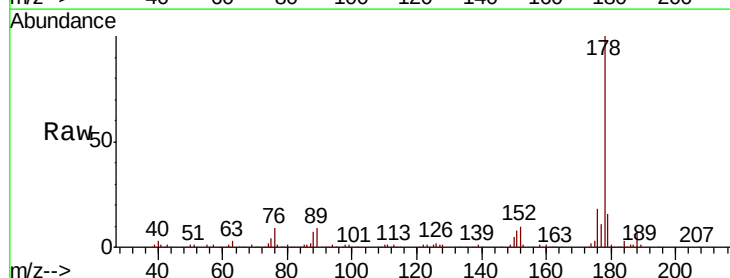


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

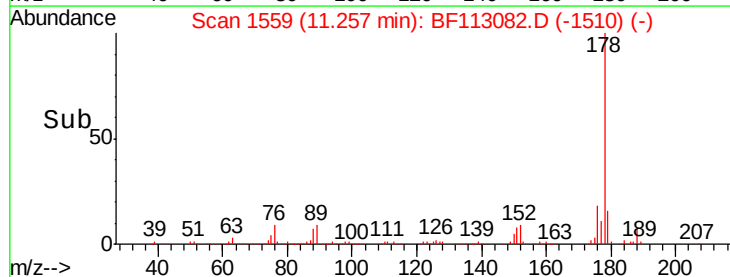
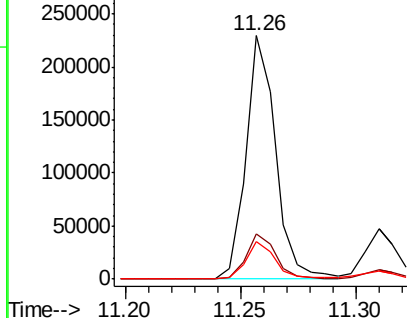


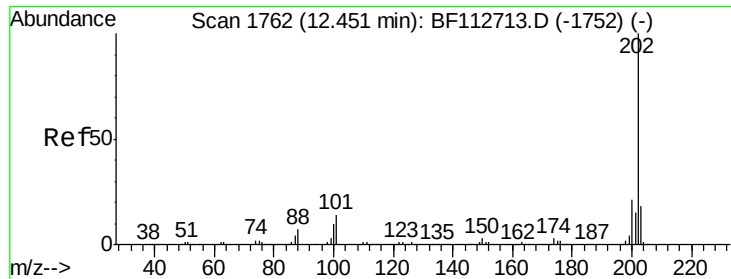
#71
 Phenanthrene
 Concen: 7.908 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF113082.D
 Acq: 15 Mar 2019 22:59

Tgt Ion:178 Resp: 206246
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.3 24.5
 179 15.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 14.944 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Instrument :

BNA_F

ClientSampleId :

SB-16(7-8)

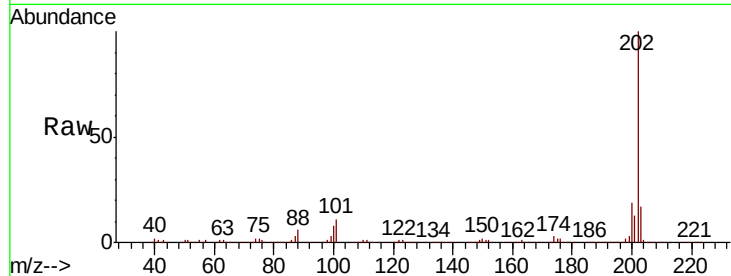
Tgt Ion:202 Resp: 417587

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.8

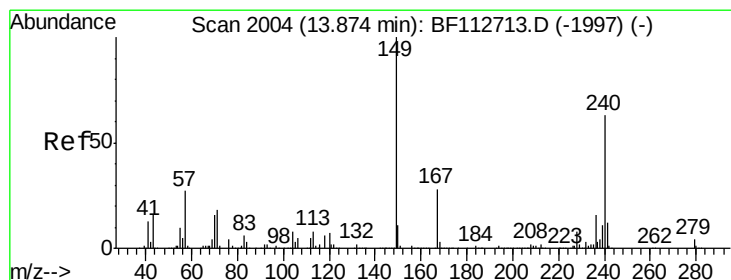
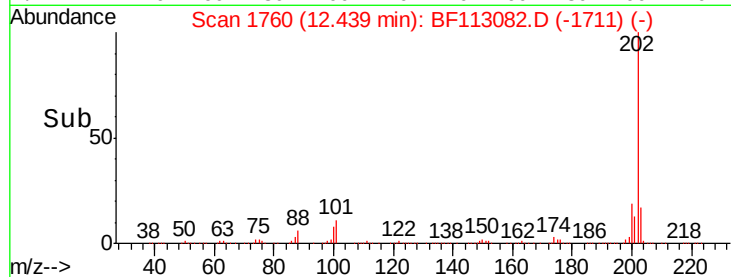
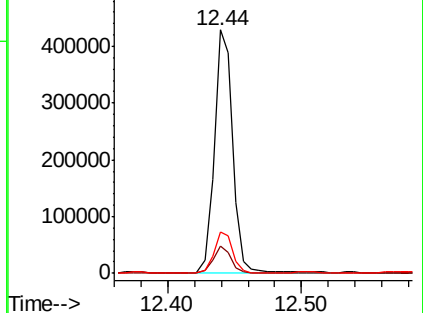
203 17.0 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

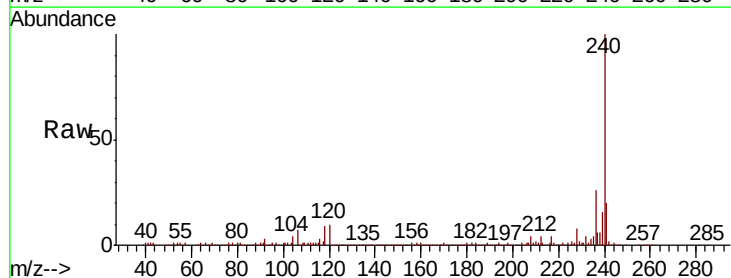
Tgt Ion:240 Resp: 421071

Ion Ratio Lower Upper

240 100

120 10.4 8.9 13.3

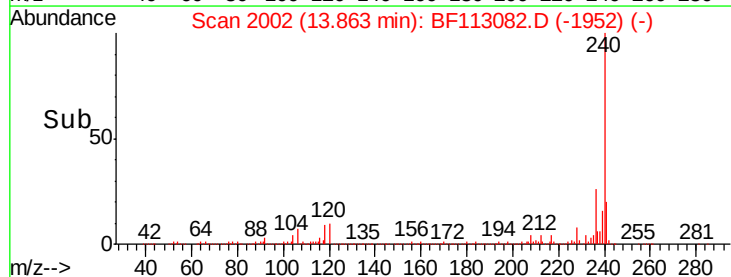
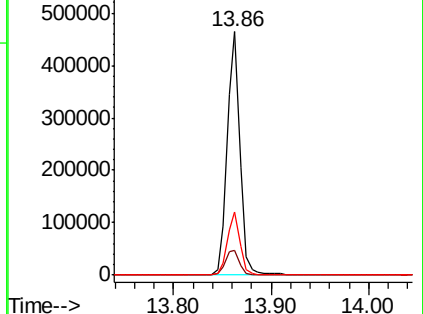
236 26.0 20.7 31.1

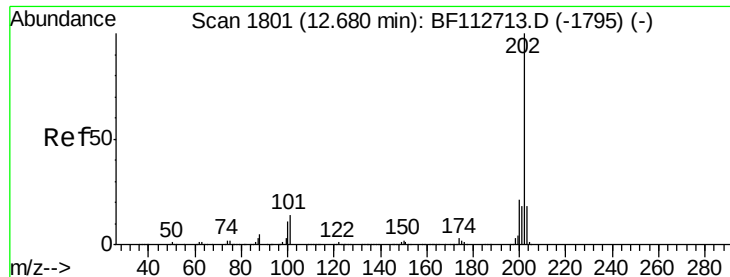


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 10.338 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Instrument :

BNA_F

ClientSampled :

SB-16(7-8)

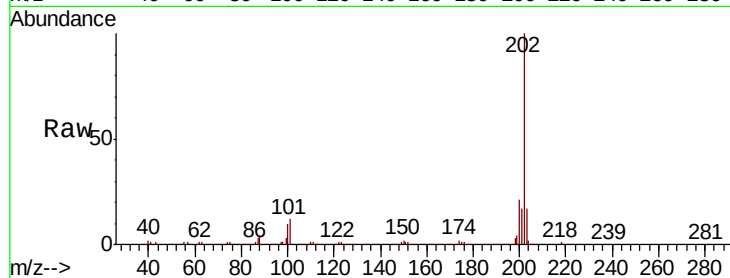
Tgt Ion:202 Resp: 366976

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

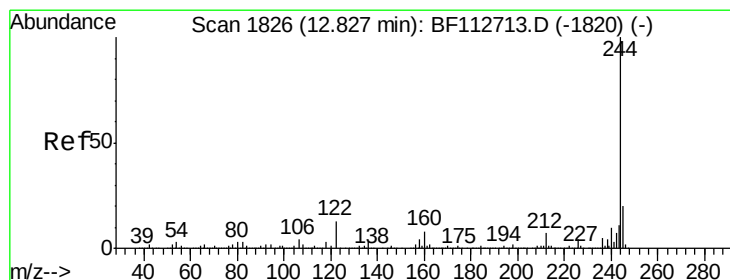
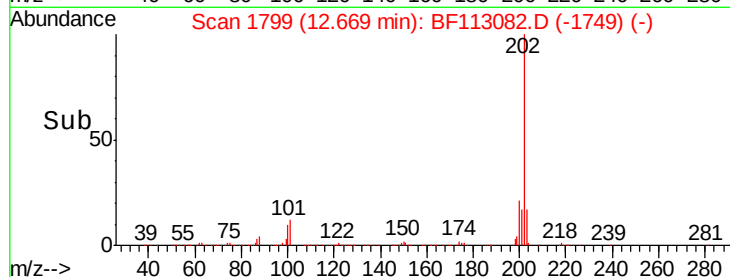
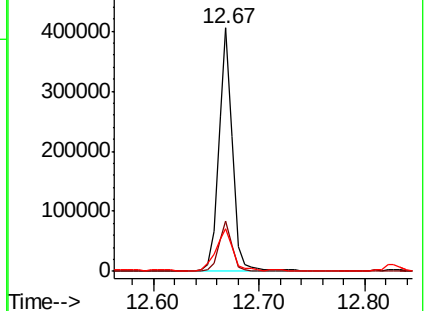
203 17.3 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 11.275 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

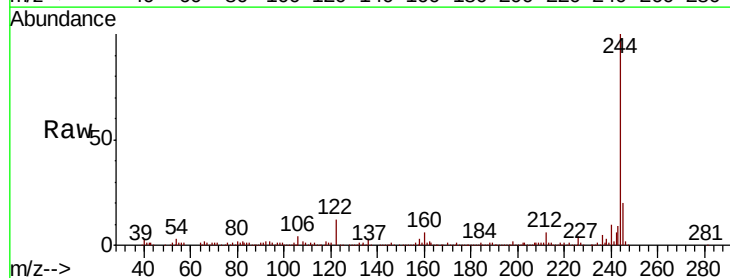
Tgt Ion:244 Resp: 244911

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

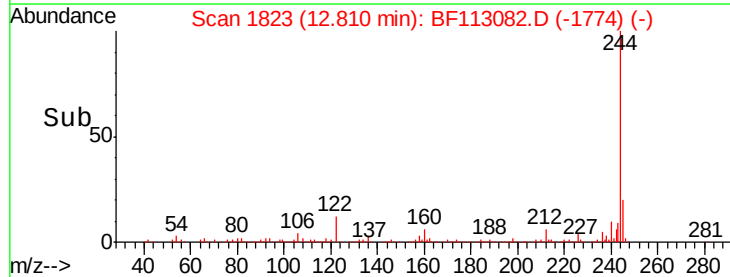
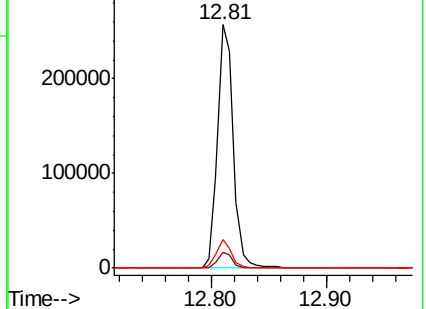
122 11.6 10.5 15.7

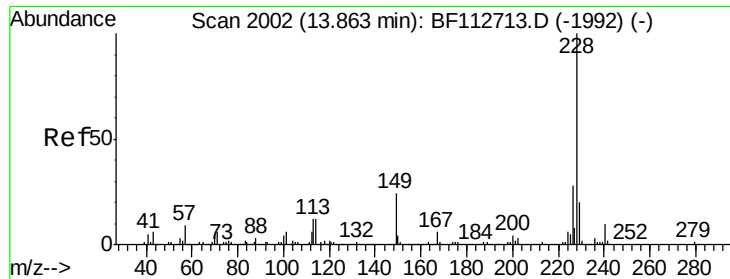


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.413 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

Instrument :

BNA_F

ClientSampleId :

SB-16(7-8)

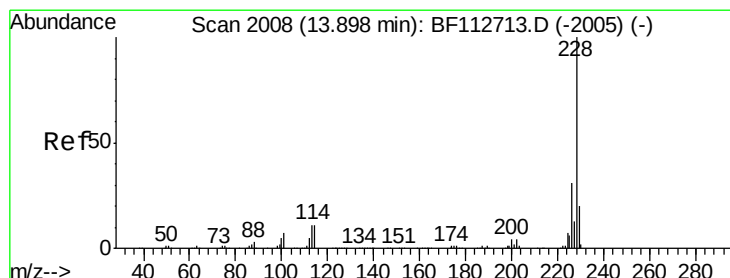
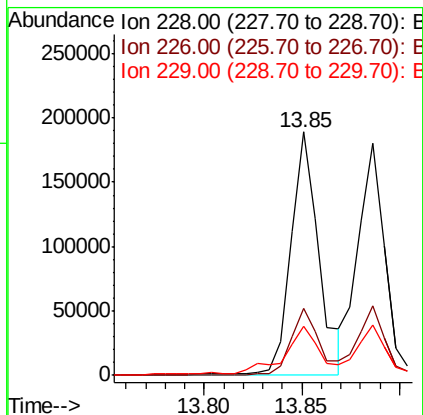
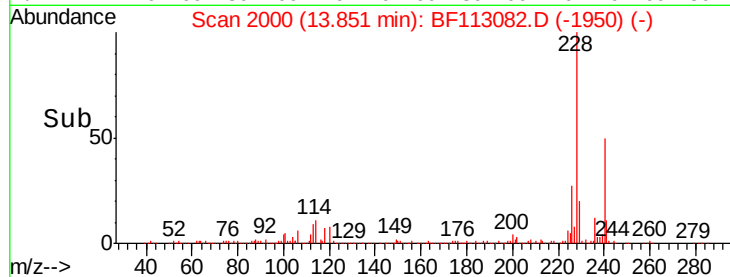
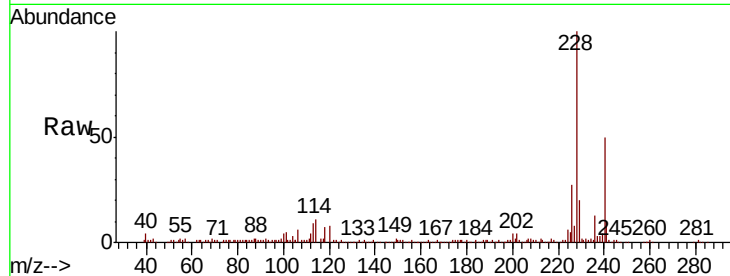
Tgt Ion:228 Resp: 187163

Ion Ratio Lower Upper

228 100

226 27.4 22.2 33.4

229 20.1 16.0 24.0



#83

Chrysene

Concen: 6.048 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113082.D

Acq: 15 Mar 2019 22:59

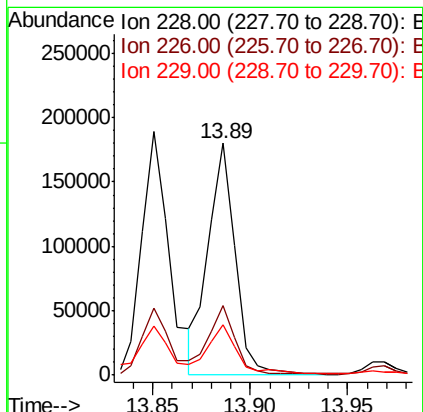
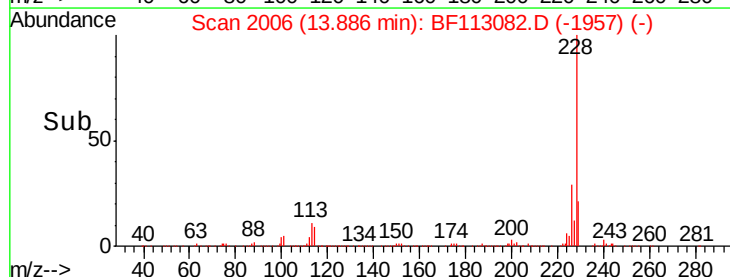
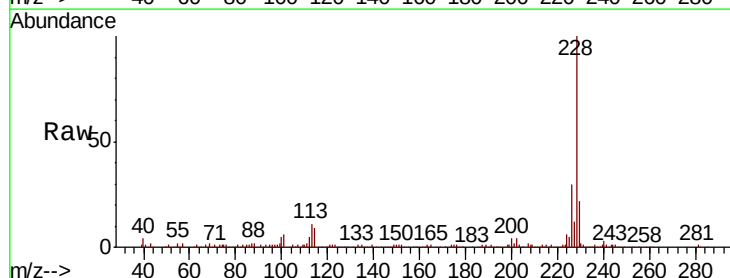
Tgt Ion:228 Resp: 172893

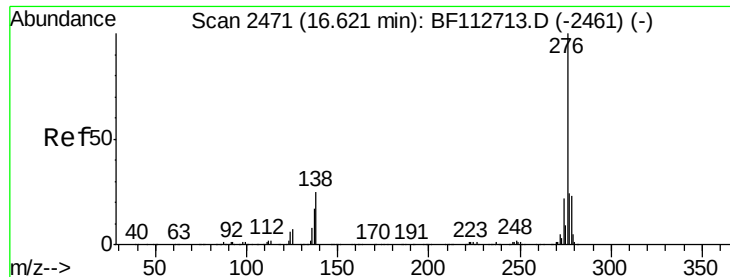
Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

229 21.9 16.3 24.5

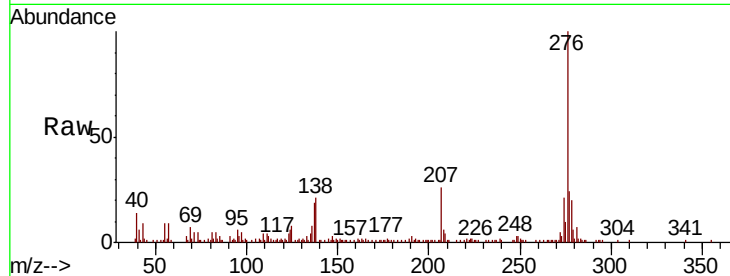




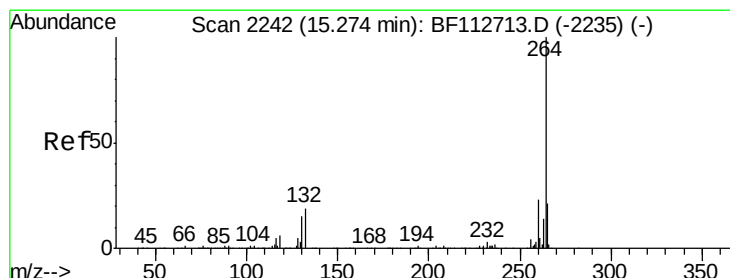
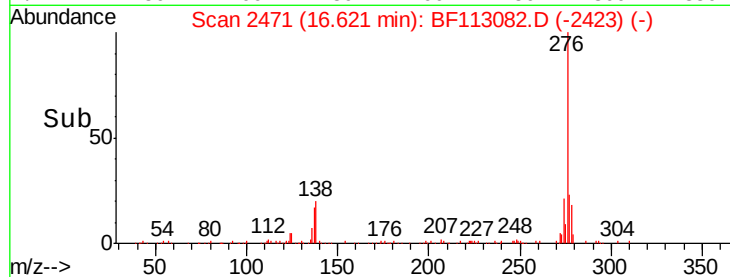
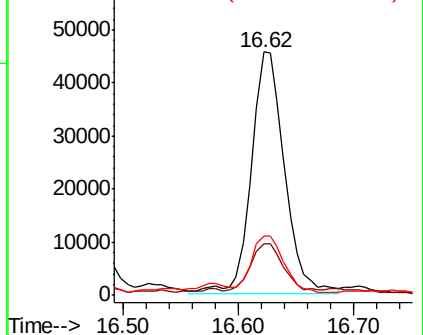
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.743 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. -0.02 min
 Lab File: BF113082.D
 Acq: 15 Mar 2019 22:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-16(7-8)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	23.2	34.8#
277	23.1	19.9	29.9

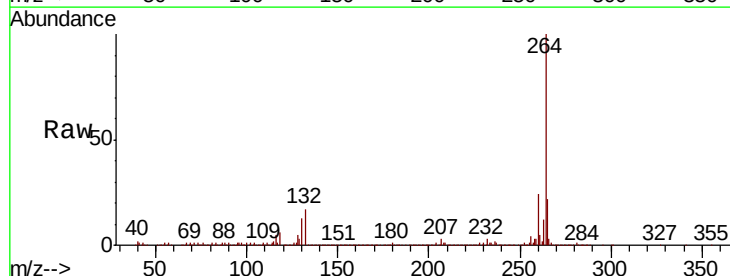


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

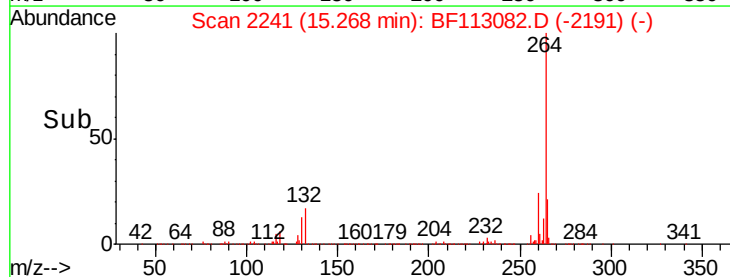
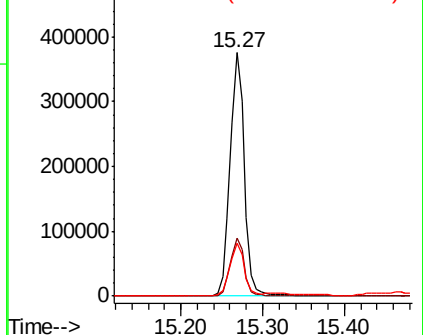


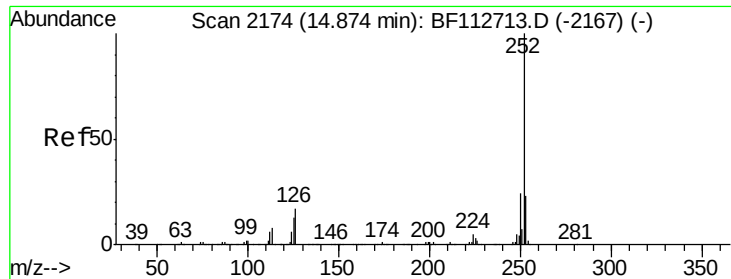
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF113082.D
 Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.6	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

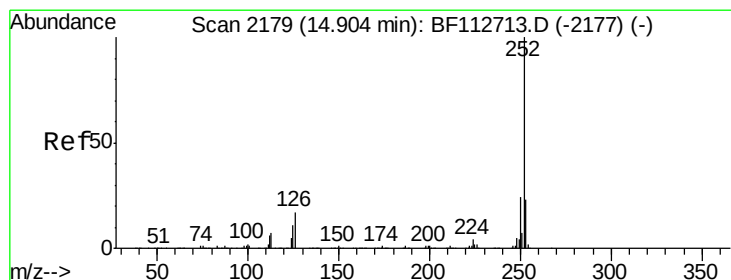
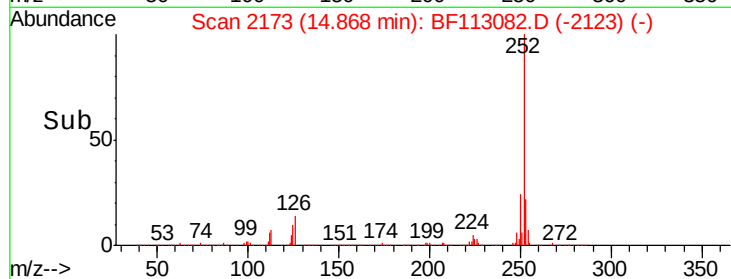
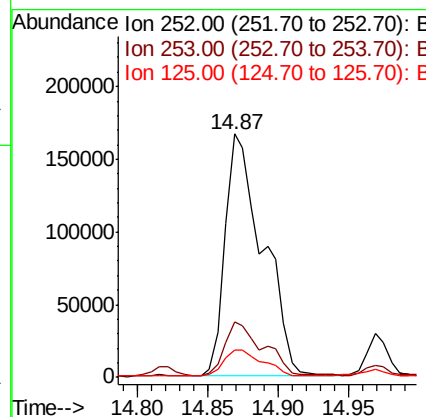
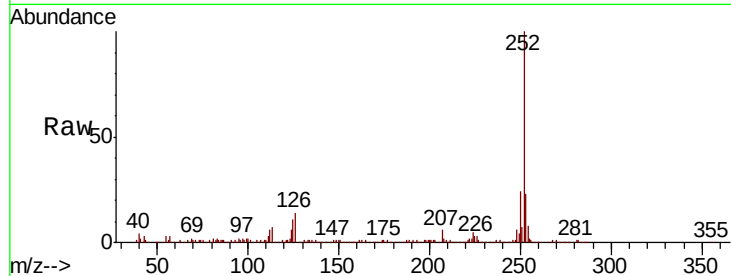




#88
Benzo(b)fluoranthene
Concen: 10.622 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

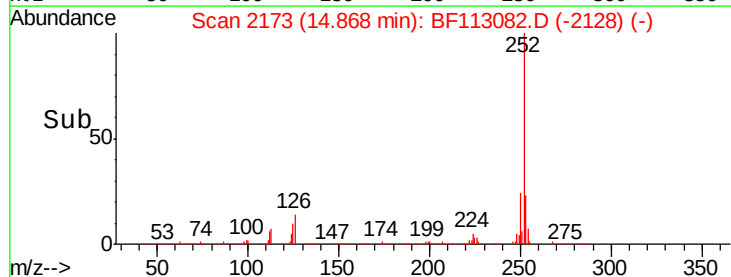
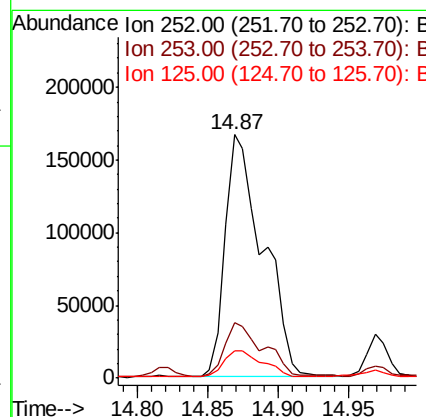
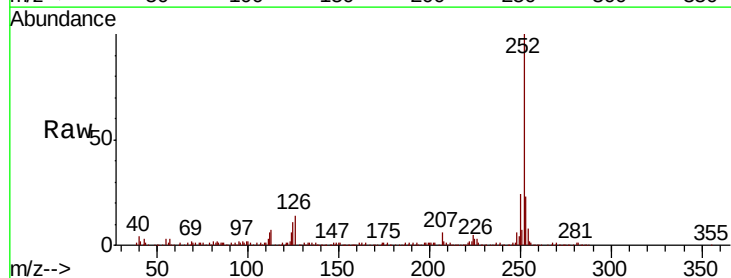
Instrument :
BNA_F
ClientSampleId :
SB-16(7-8)

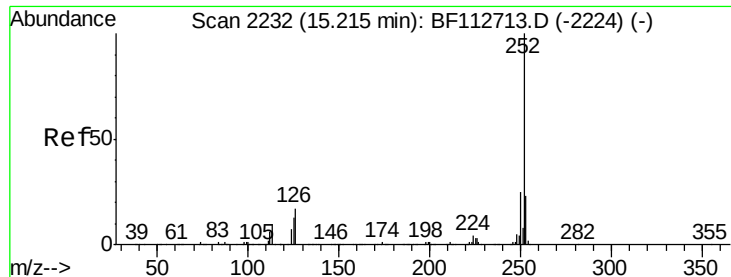
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.2	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 11.727 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	11.2	9.8	14.6

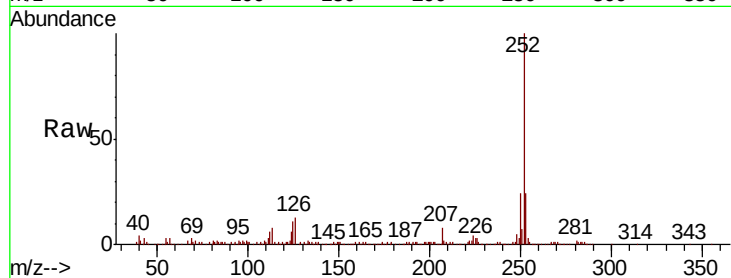




#90
Benzo(a)pyrene
Concen: 6.617 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Instrument :
BNA_F
ClientSampleId :
SB-16(7-8)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.4	10.7	16.1

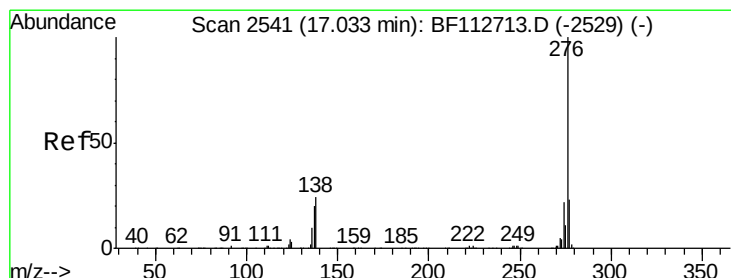
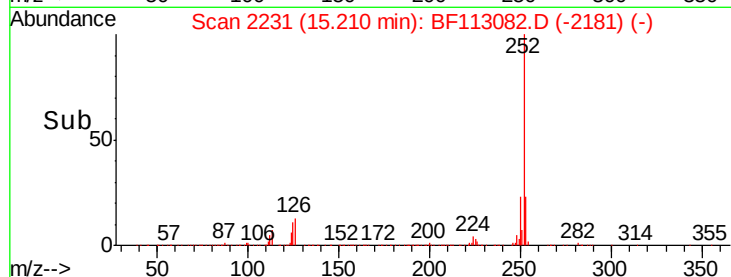
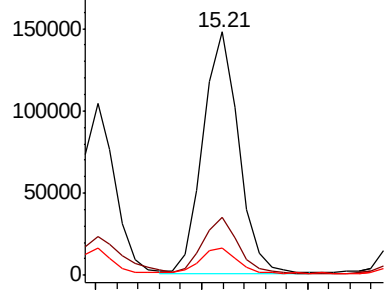


Abundance

Ion 252.00 (251.70 to 252.70): E

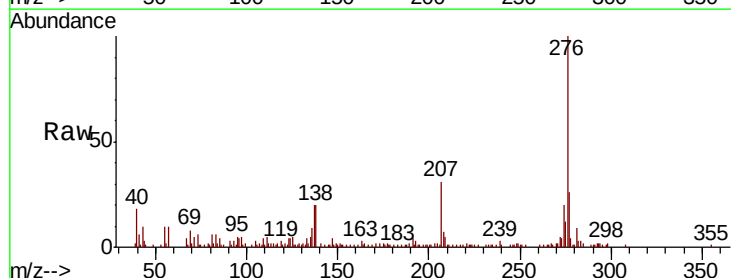
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.636 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BF113082.D
Acq: 15 Mar 2019 22:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	27.8
138	19.7	19.4	29.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

