

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113212.D
 Acq On : 21 Mar 2019 16:58
 Operator : JU/SJ
 Sample : K1694-03 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 22 00:44:00 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	138639	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	570390	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	259767	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	468298	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	345257	20.00	ng	0.00
87) Perylene-d12	15.28	264	321764	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	70100	7.87	ng	-0.01
7) Phenol-d6	6.36	99	99007	8.84	ng	-0.01
23) Nitrobenzene-d5	7.28	82	57301	6.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	31670	11.48	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	124875	5.05	ng	-0.01
79) Terphenyl-d14	12.82	244	104168	5.85	ng	0.00

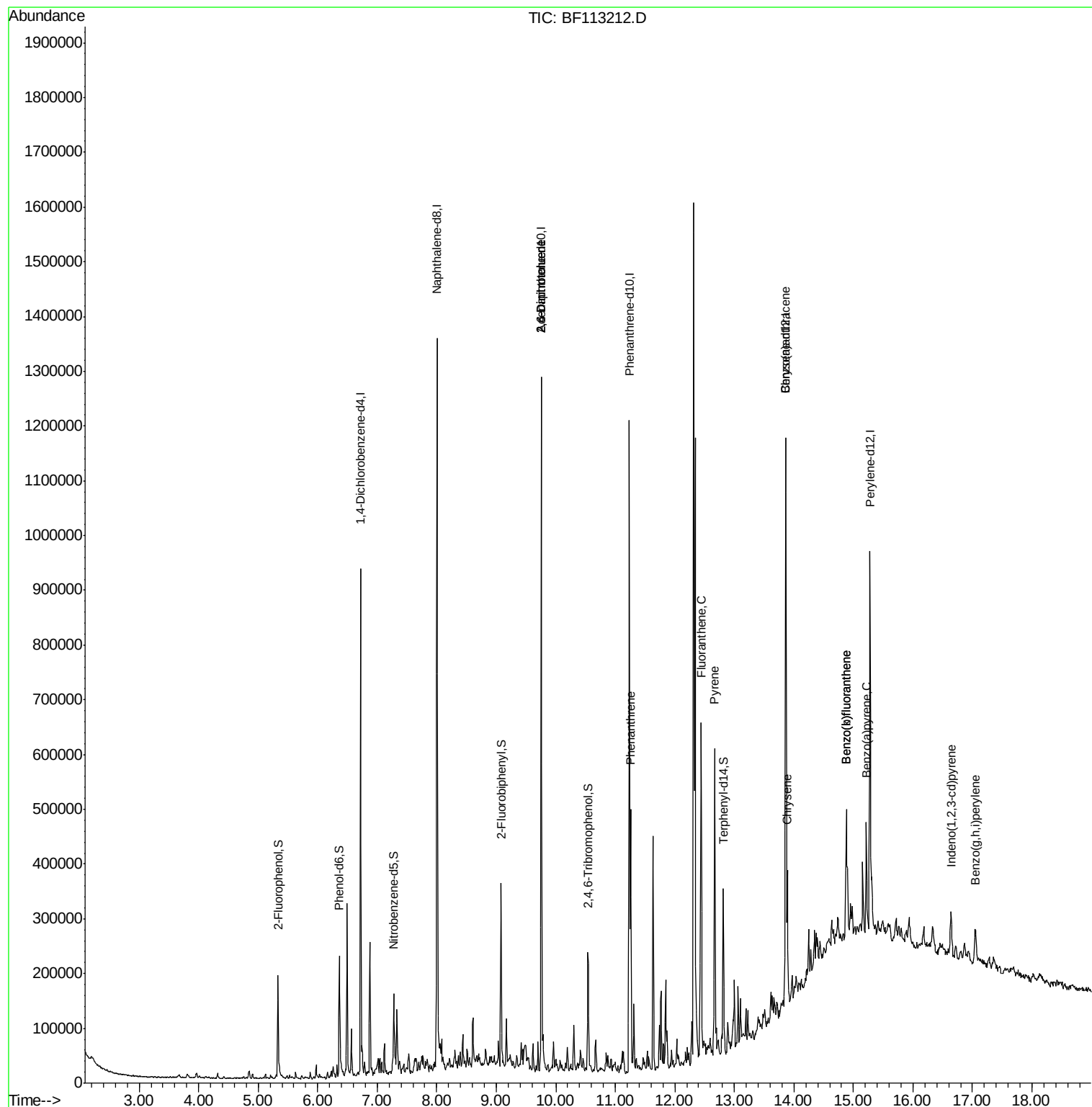
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) 2,6-Dinitrotoluene	9.76	165	34351	8.612	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	34580	6.975	ng	# 18
71) Phenanthrene	11.26	178	171494	7.360	ng	97
75) Fluoranthene	12.44	202	251570	10.078	ng	95
78) Pyrene	12.67	202	238314	8.188	ng	98
81) Benzo(a)anthracene	13.86	228	117097	4.894	ng	96
83) Chrysene	13.89	228	108908	4.646	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	52964	2.651	ng	# 89
88) Benzo(b)fluoranthene	14.88	252	173459	8.334	ng	98
89) Benzo(k)fluoranthene	14.88	252	173459	9.201	ng	98
90) Benzo(a)pyrene	15.22	252	98476	5.349	ng	98
92) Benzo(g,h,i)perylene	17.05	276	48942	3.103	ng	93

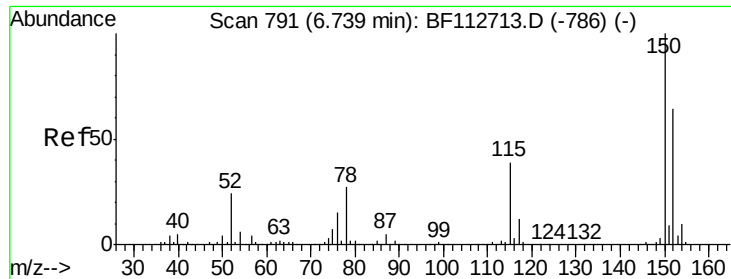
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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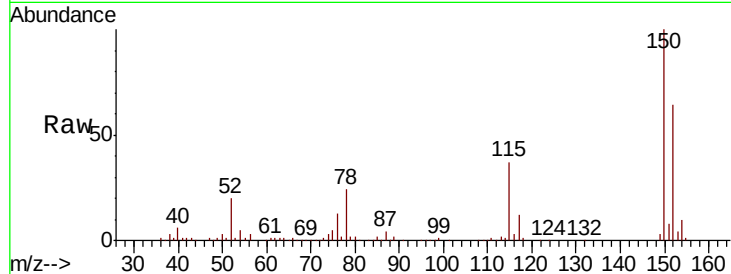


#1

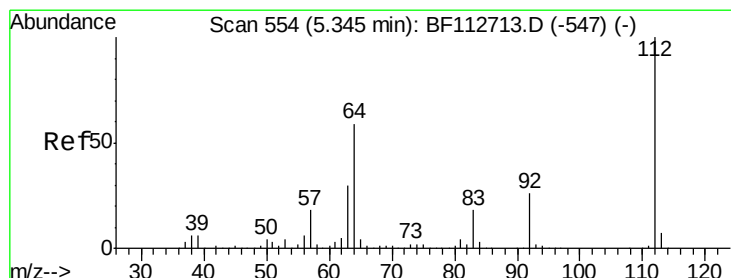
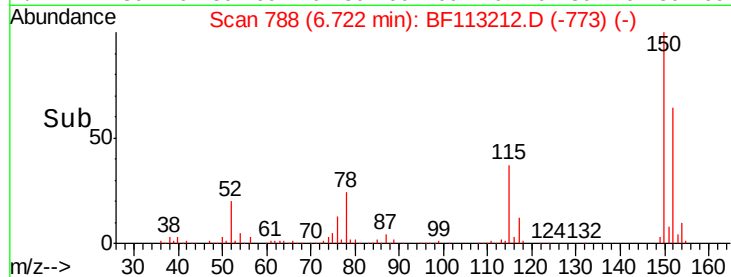
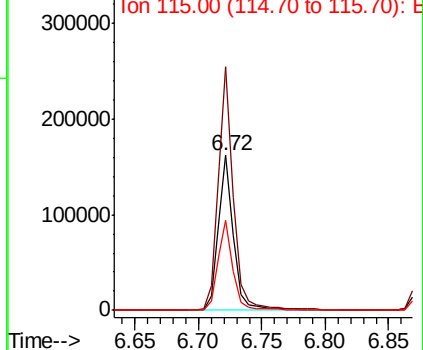
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

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

Tgt Ion:152 Resp: 138639
Ion Ratio Lower Upper
152 100
150 156.9 124.2 186.2
115 57.8 48.2 72.4



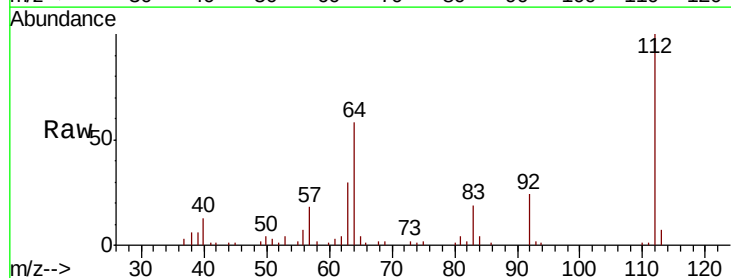
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



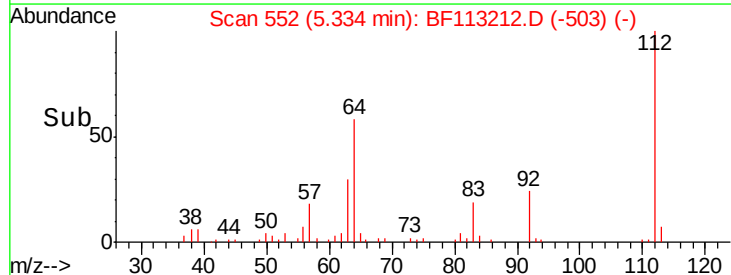
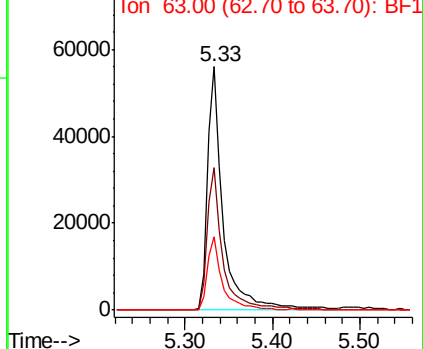
#5

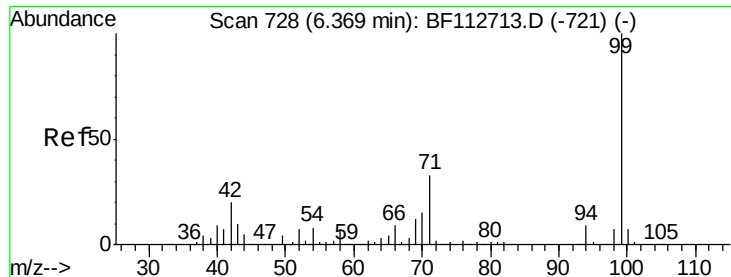
2-Fluorophenol
Concen: 7.865 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Tgt Ion:112 Resp: 70100
Ion Ratio Lower Upper
112 100
64 58.4 47.6 71.4
63 30.0 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: 8.843 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

EO-02-032019-B

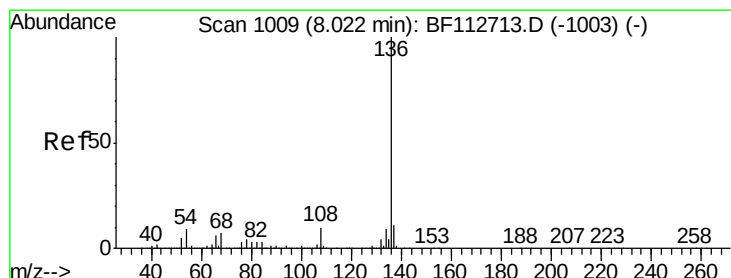
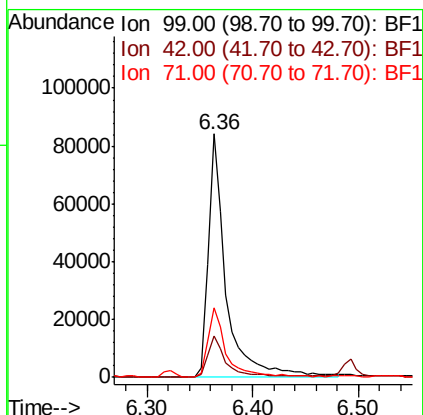
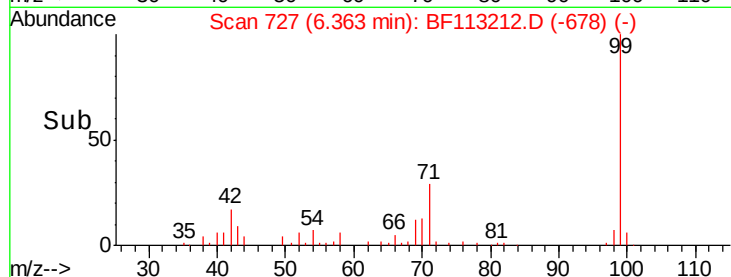
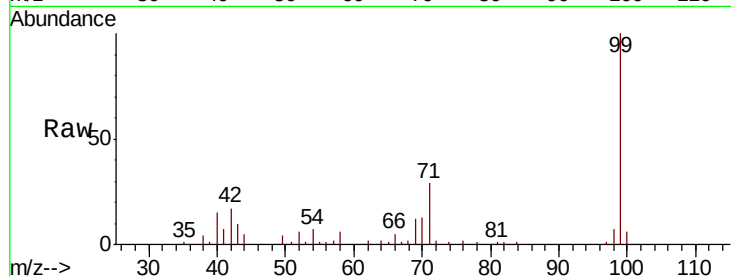
Tgt Ion: 99 Resp: 99007

Ion Ratio Lower Upper

99 100

42 17.2 16.3 24.5

71 28.5 26.2 39.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Tgt Ion: 136 Resp: 570390

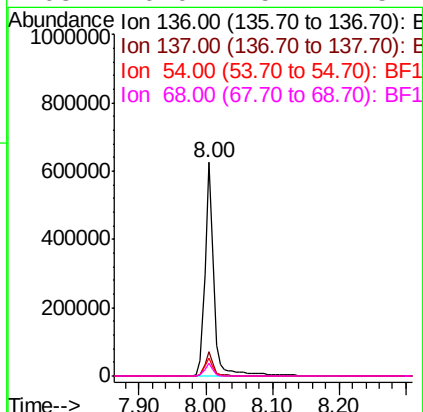
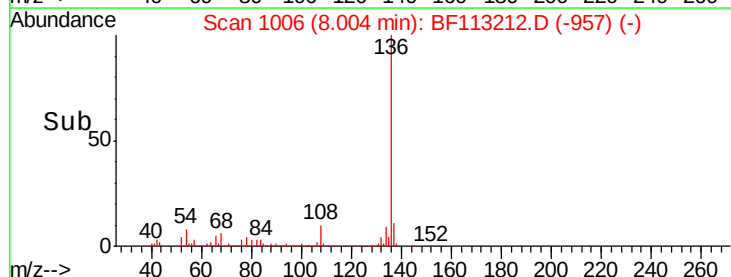
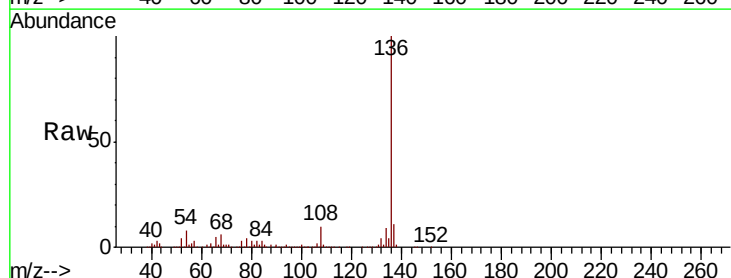
Ion Ratio Lower Upper

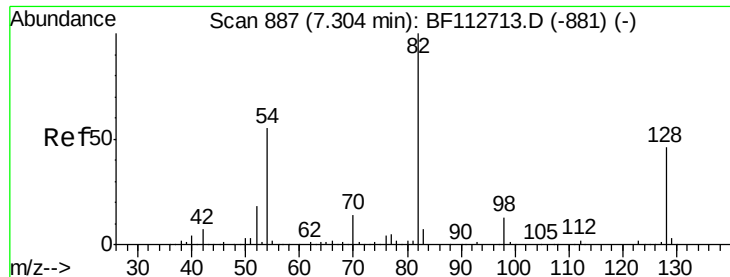
136 100

137 11.1 8.9 13.3

54 8.2 7.3 10.9

68 6.0 5.4 8.2

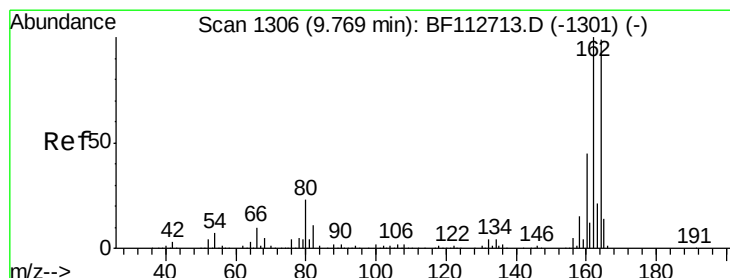
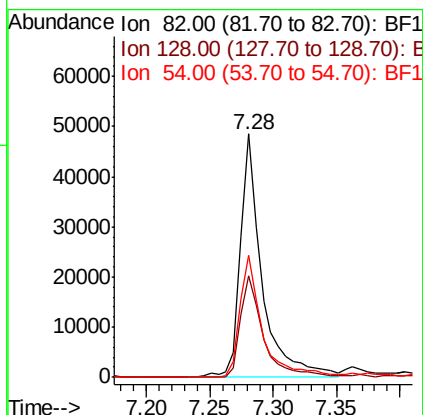
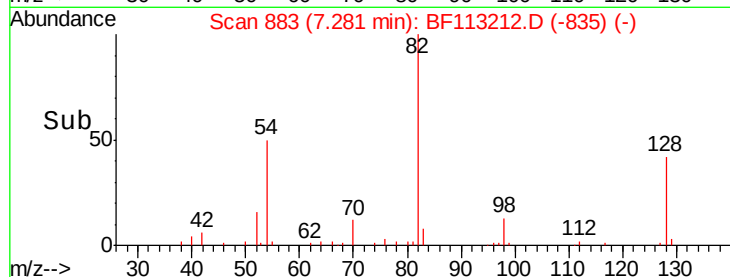
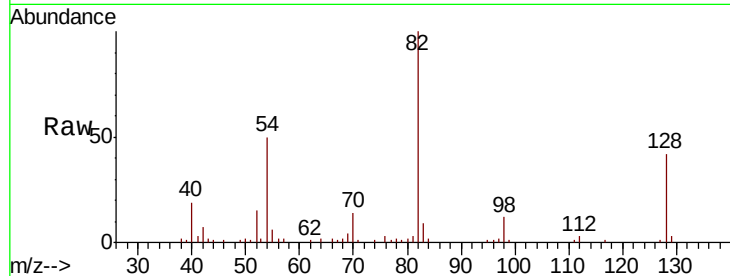




#23
Nitrobenzene-d5
Concen: 6.011 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

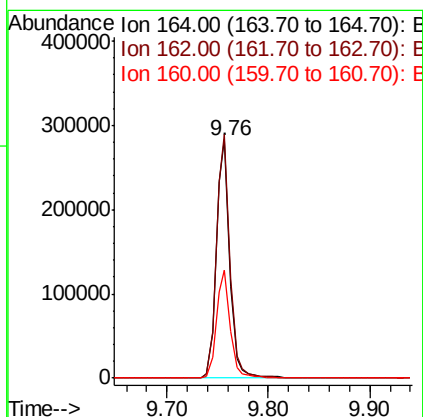
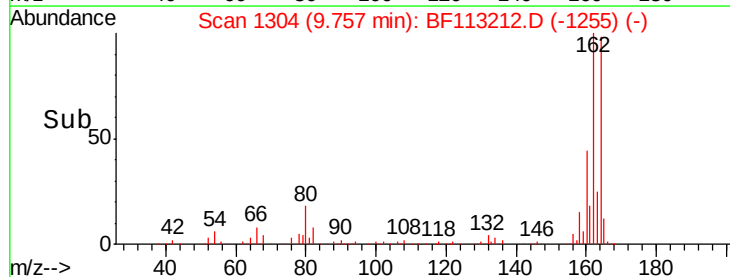
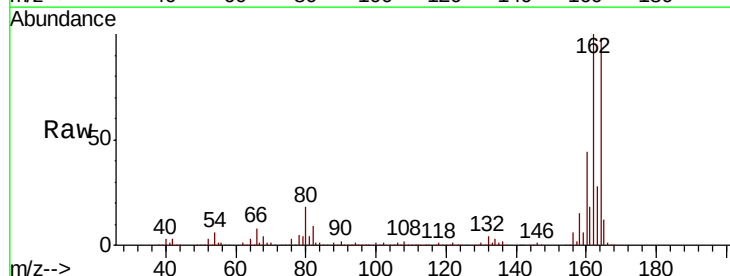
Instrument :
BNA_F
ClientSampleId :
EO-02-032019-B

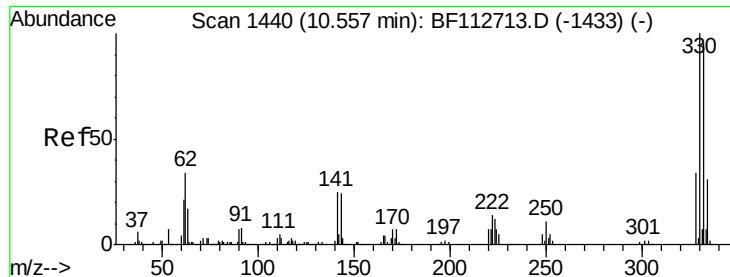
Tgt Ion: 82 Resp: 57301
Ion Ratio Lower Upper
82 100
128 41.9 36.3 54.5
54 50.2 43.7 65.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Tgt Ion: 164 Resp: 259767
Ion Ratio Lower Upper
164 100
162 102.2 80.6 120.8
160 45.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 11.484 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

EO-02-032019-B

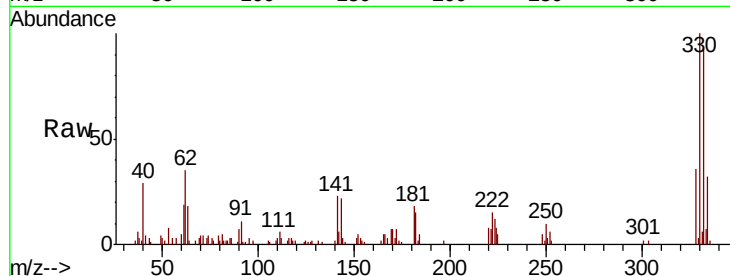
Tgt Ion:330 Resp: 31670

Ion Ratio Lower Upper

330 100

332 96.2 76.2 114.4

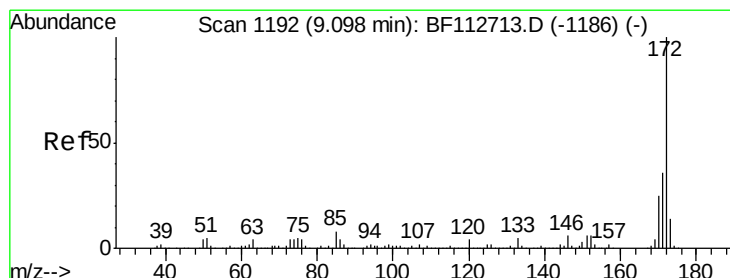
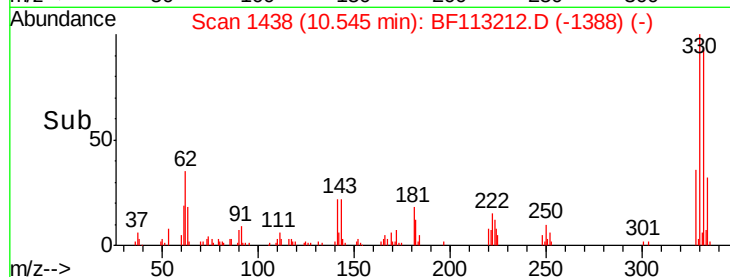
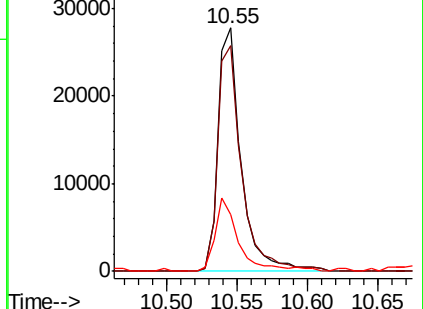
141 31.1 27.0 40.6



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: 5.050 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

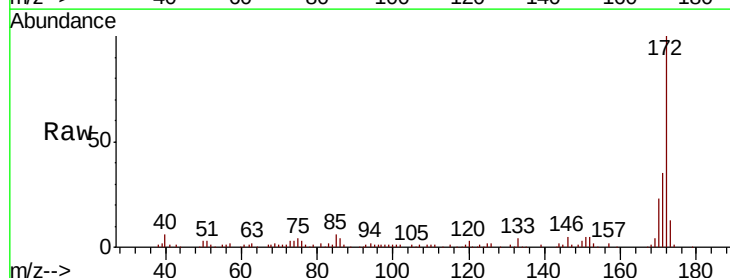
Tgt Ion:172 Resp: 124875

Ion Ratio Lower Upper

172 100

171 34.6 29.0 43.4

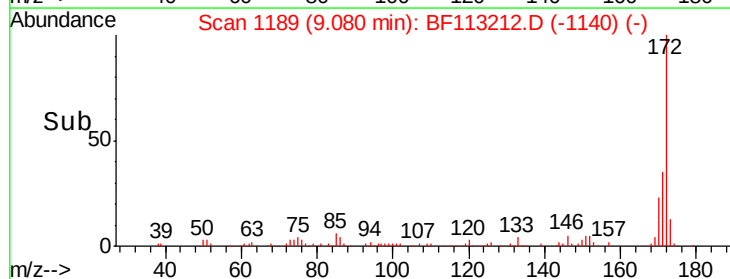
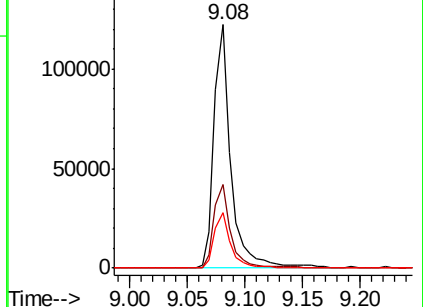
170 22.6 20.0 30.0

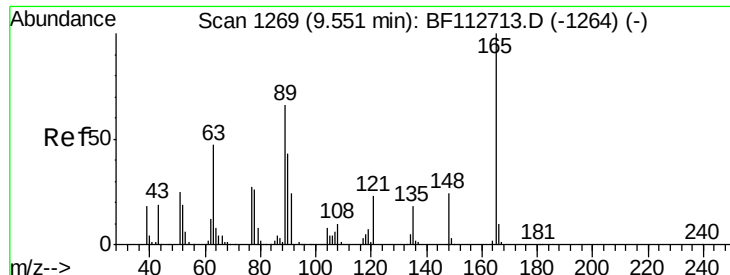


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

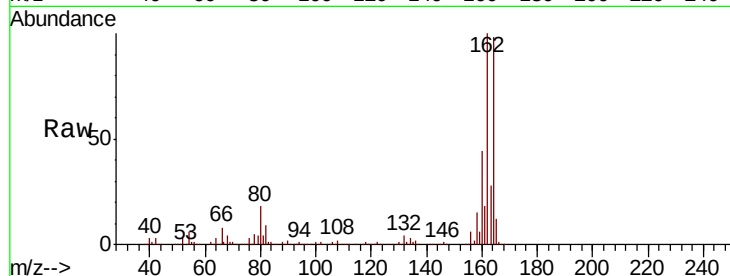




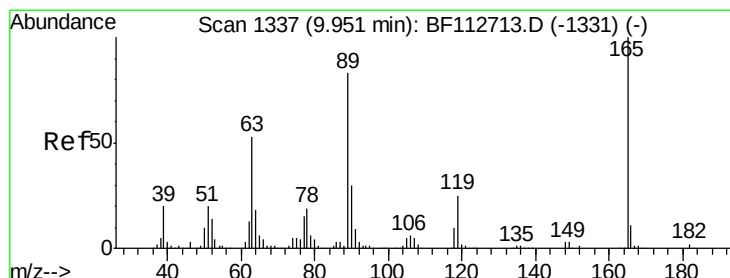
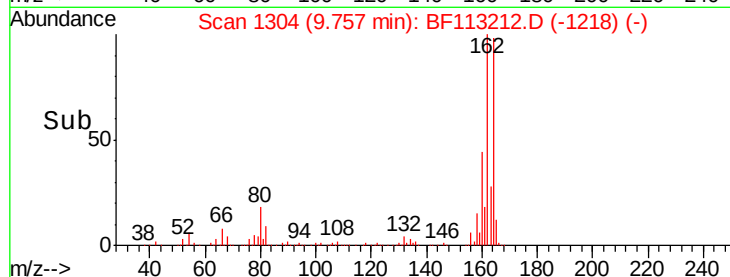
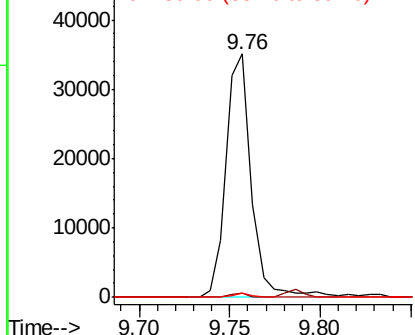
#51
 2,6-Dinitrotoluene
 Concen: 8.612 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113212.D
 Acq: 21 Mar 2019 16:58

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	54.1	81.1#
89	1.6	52.8	79.2#



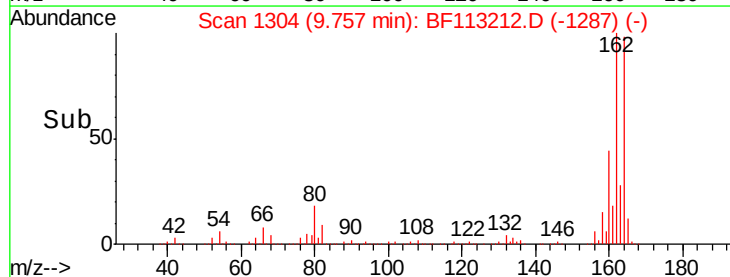
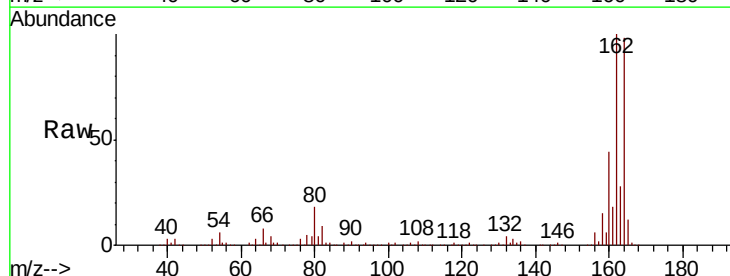
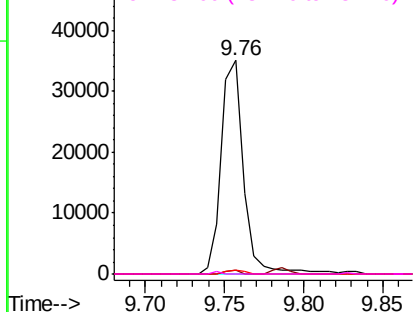
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

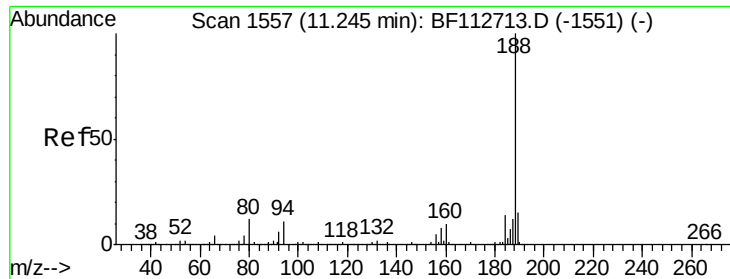


#57
 2,4-Dinitrotoluene
 Concen: 6.975 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113212.D
 Acq: 21 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.2	63.2#
89	1.6	66.2	99.4#
182	0.0	1.8	2.6#

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
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

EO-02-032019-B

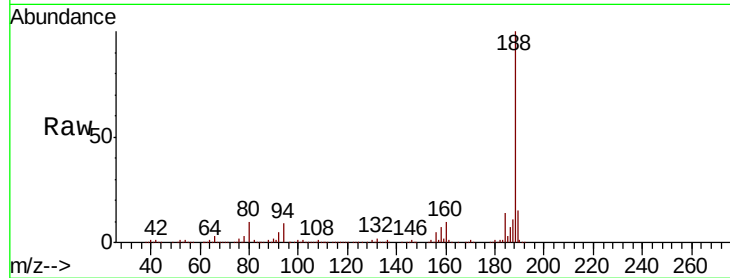
Tgt Ion:188 Resp: 468298

Ion Ratio Lower Upper

188 100

94 9.1 9.0 13.4

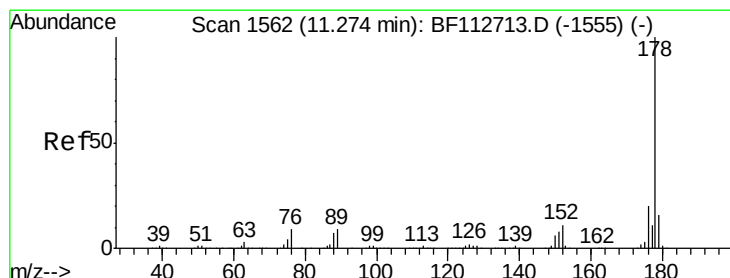
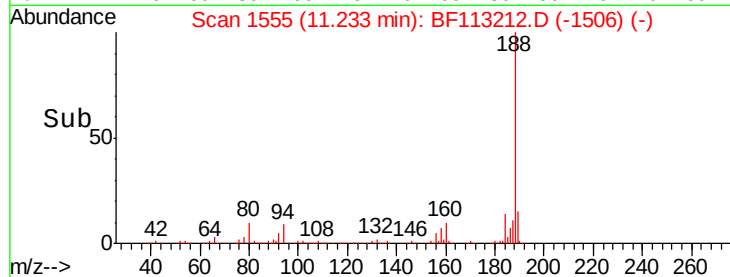
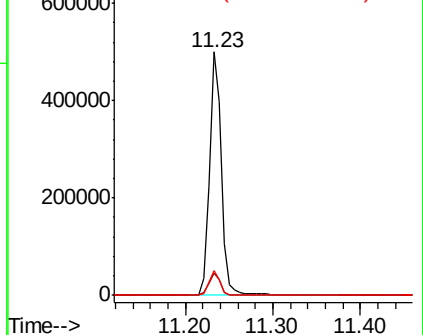
80 10.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 7.360 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

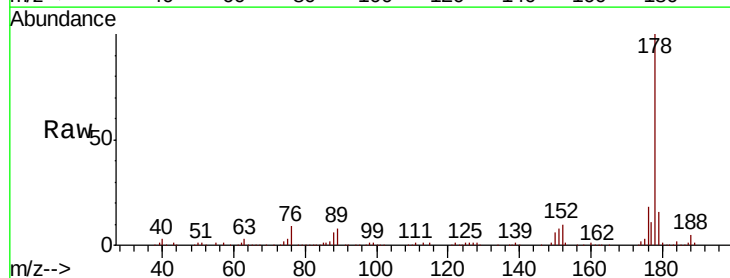
Tgt Ion:178 Resp: 171494

Ion Ratio Lower Upper

178 100

176 18.3 16.3 24.5

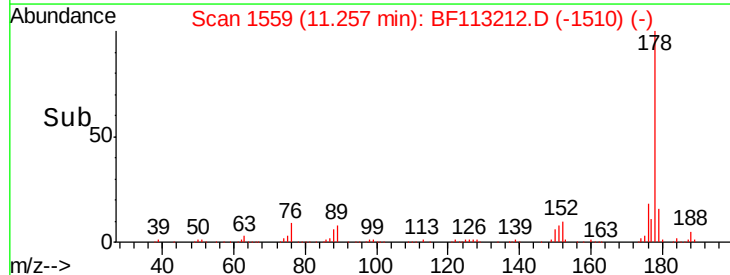
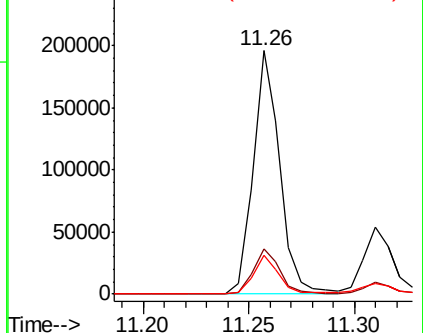
179 15.8 12.7 19.1

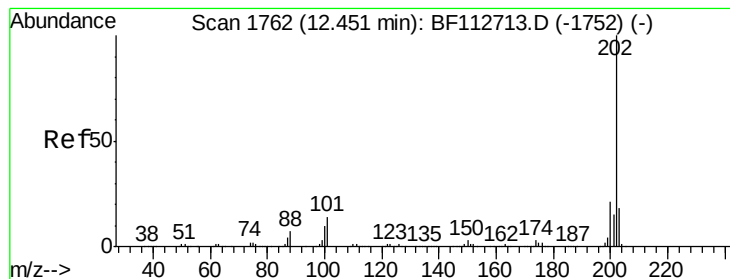


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.078 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

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EO-02-032019-B

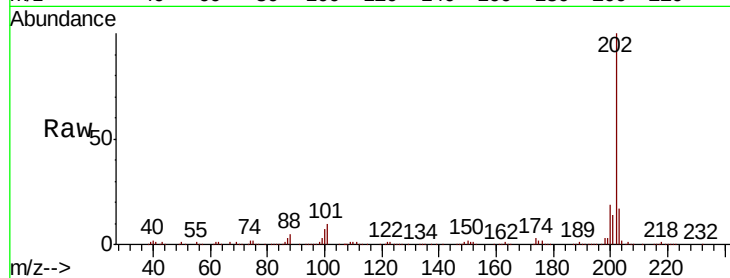
Tgt Ion:202 Resp: 251570

Ion Ratio Lower Upper

202 100

101 10.3 0.0 33.8

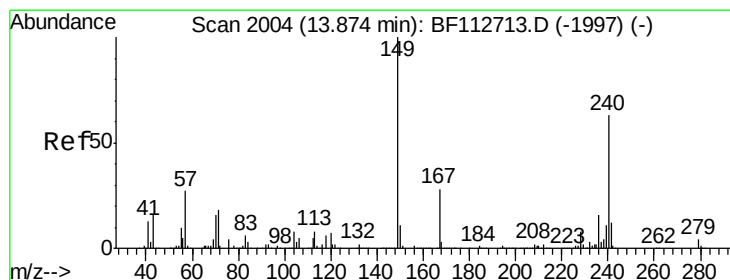
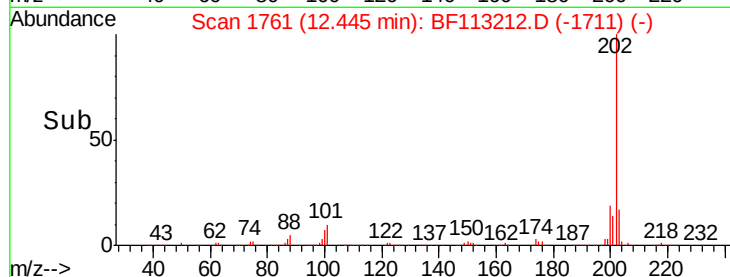
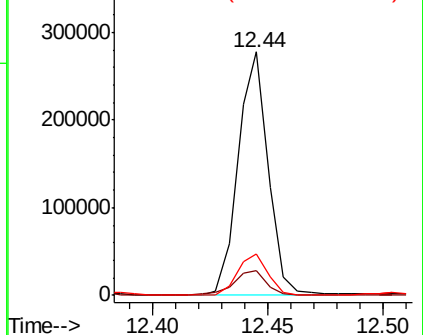
203 17.2 0.0 38.4



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: BF113212.D

Acq: 21 Mar 2019 16:58

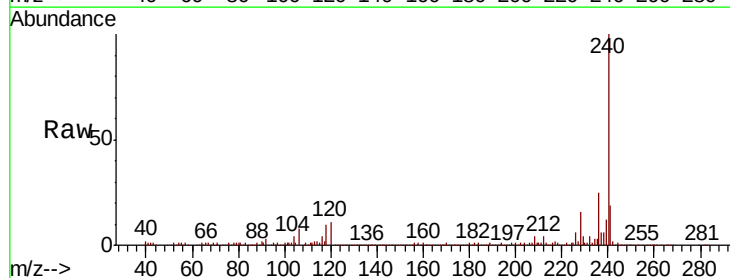
Tgt Ion:240 Resp: 345257

Ion Ratio Lower Upper

240 100

120 11.3 8.9 13.3

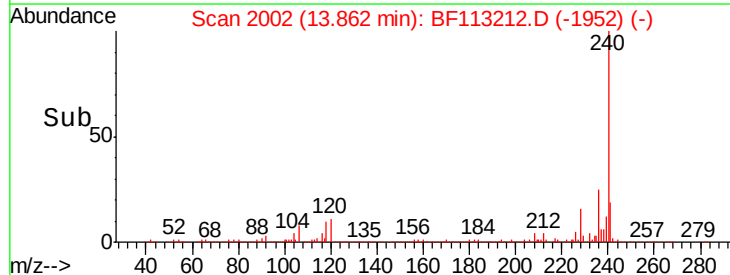
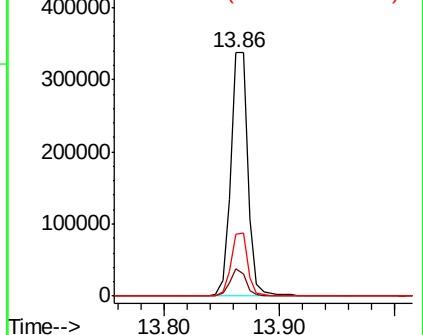
236 25.5 20.7 31.1

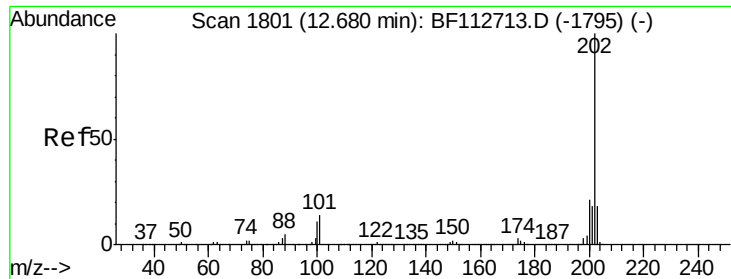


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 8.188 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

EO-02-032019-B

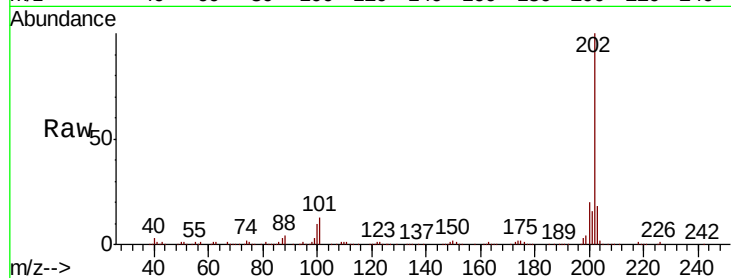
Tgt Ion: 202 Resp: 238314

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.4

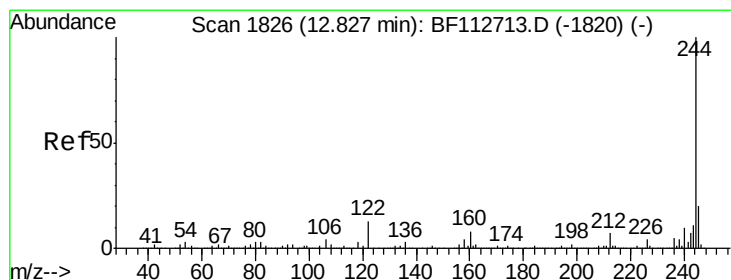
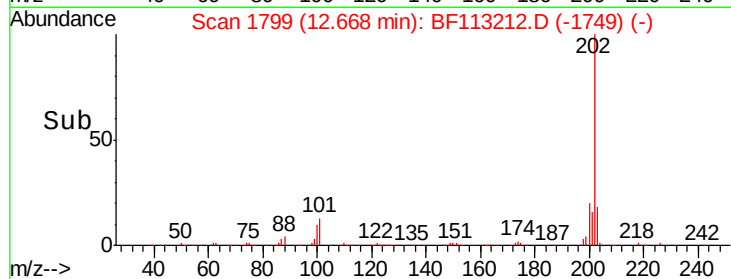
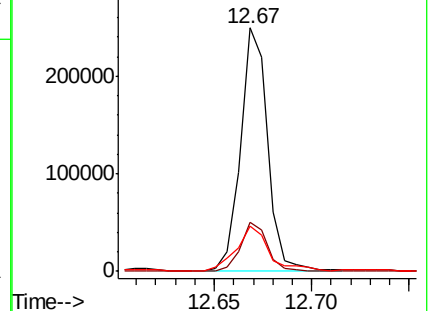
203 18.4 14.4 21.6



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: 5.849 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

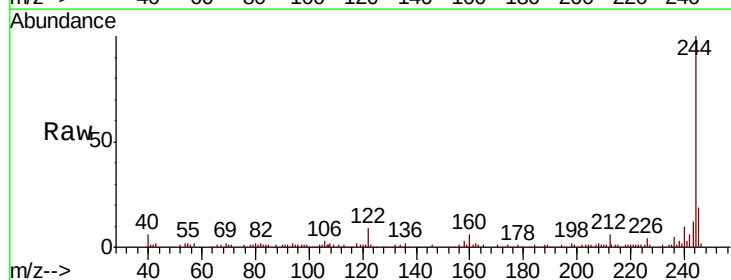
Tgt Ion: 244 Resp: 104168

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

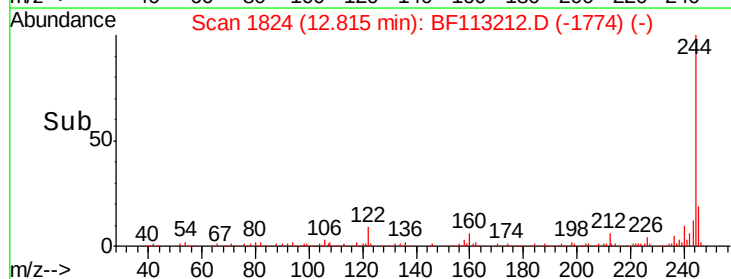
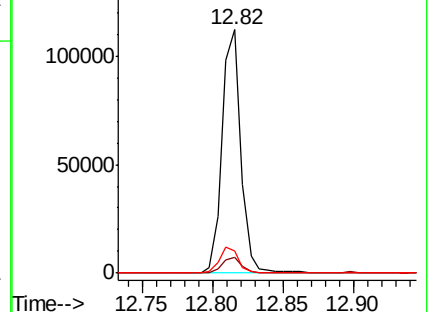
122 9.3 10.5 15.7#

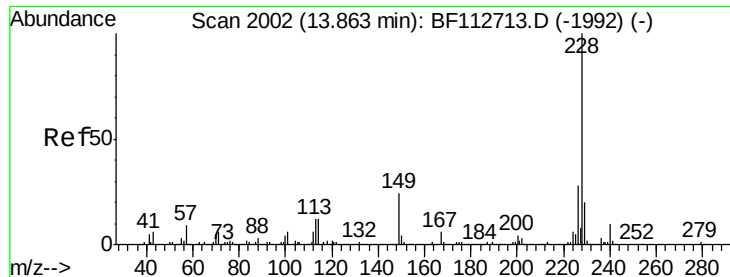


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

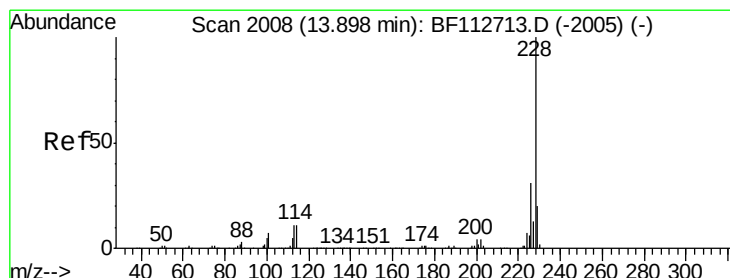
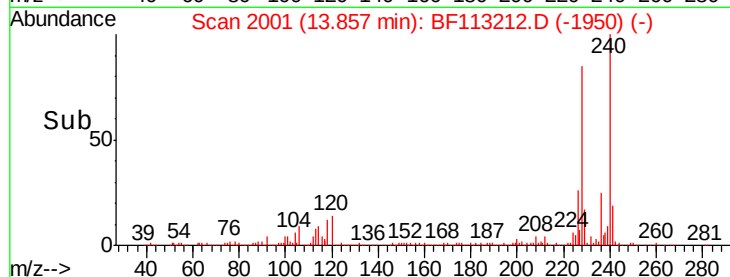
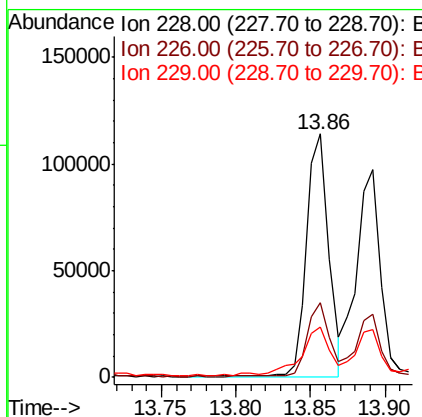
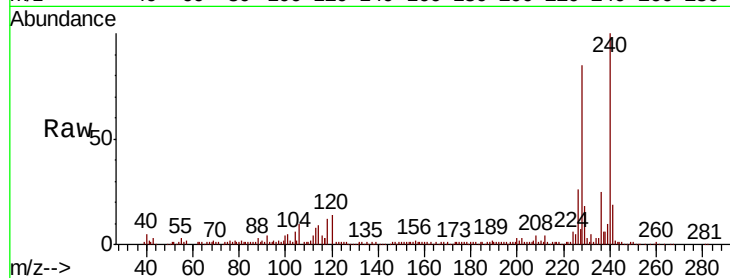




#81
Benzo(a)anthracene
Concen: 4.894 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

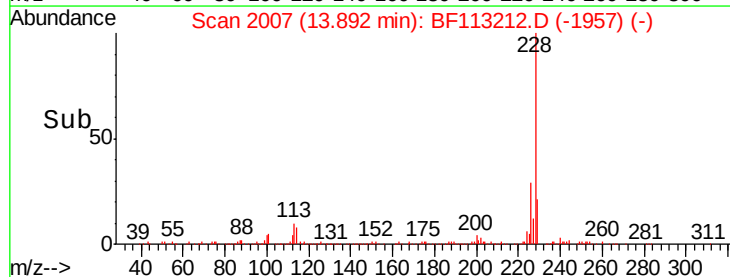
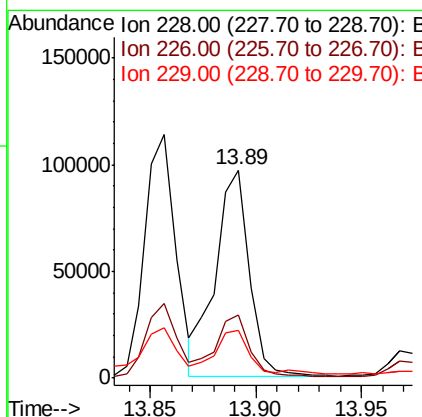
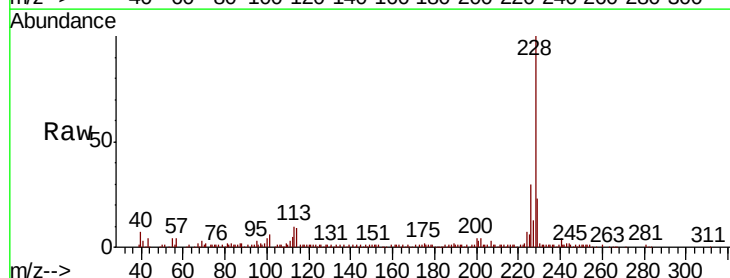
Instrument :
BNA_F
ClientSampleId :
EO-02-032019-B

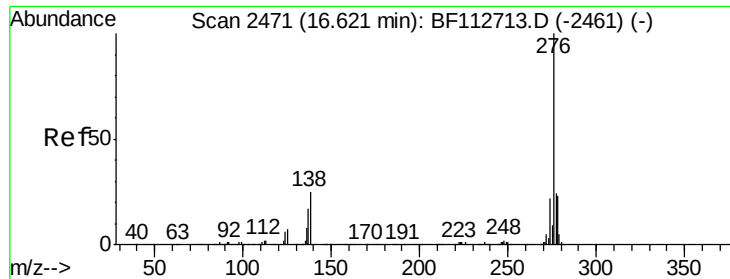
Tgt Ion:228 Resp: 117097
Ion Ratio Lower Upper
228 100
226 30.7 22.2 33.4
229 20.8 16.0 24.0



#83
Chrysene
Concen: 4.646 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Tgt Ion:228 Resp: 108908
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 22.7 16.3 24.5

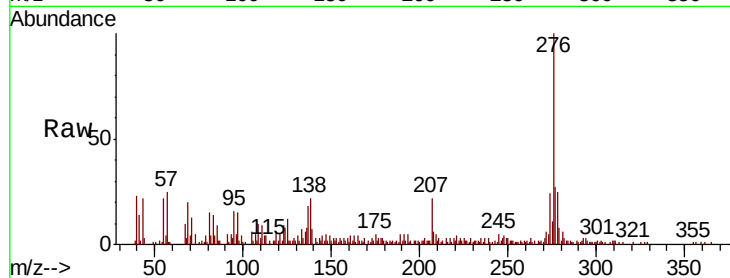




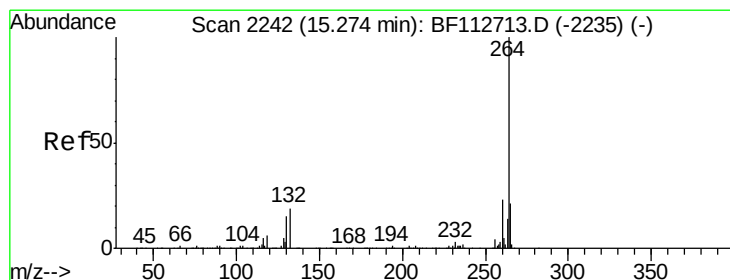
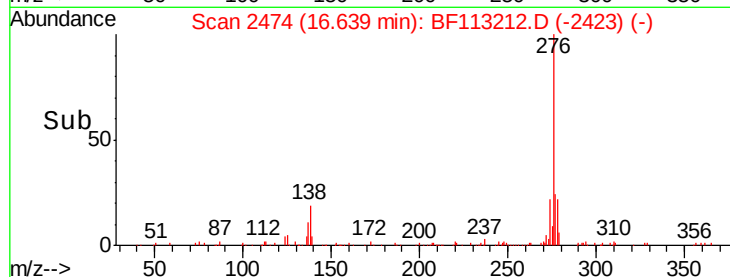
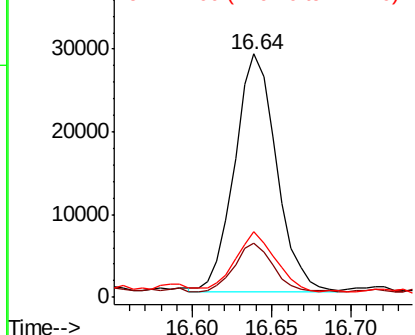
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.651 ng
 RT: 16.64 min Scan# 2474
 Delta R.T. -0.00 min
 Lab File: BF113212.D
 Acq: 21 Mar 2019 16:58

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.3	23.2	34.8#
277	23.3	19.9	29.9

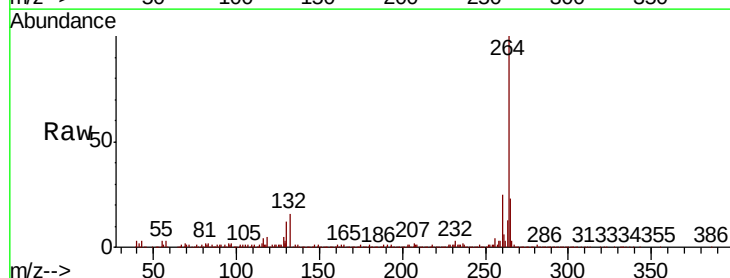


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

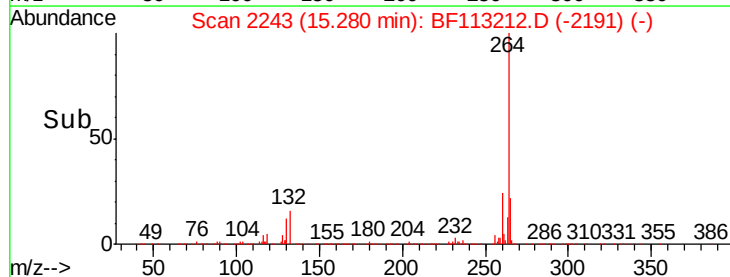
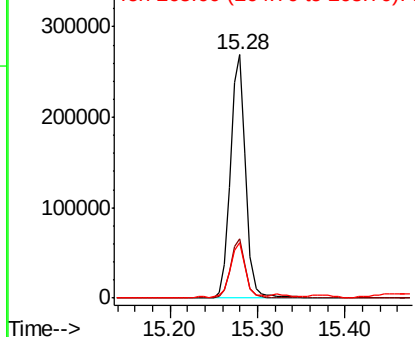


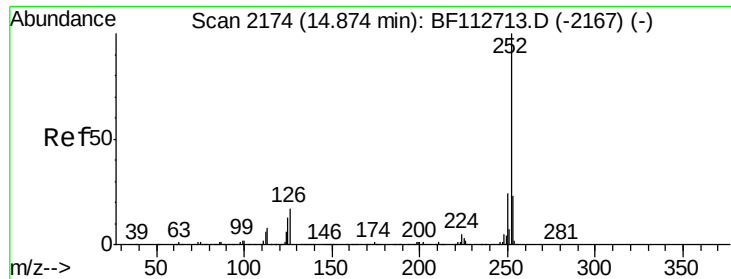
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF113212.D
 Acq: 21 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.5	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

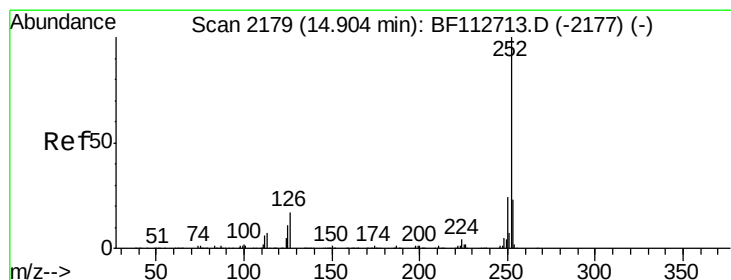
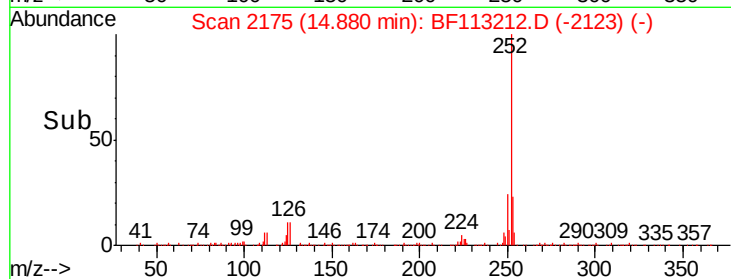
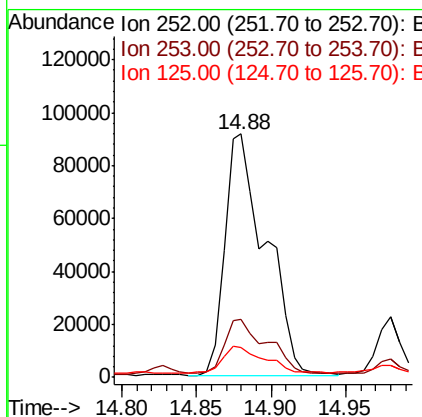
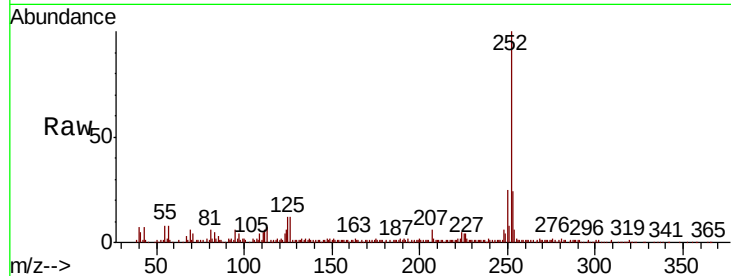




#88
Benzo(b)fluoranthene
Concen: 8.334 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

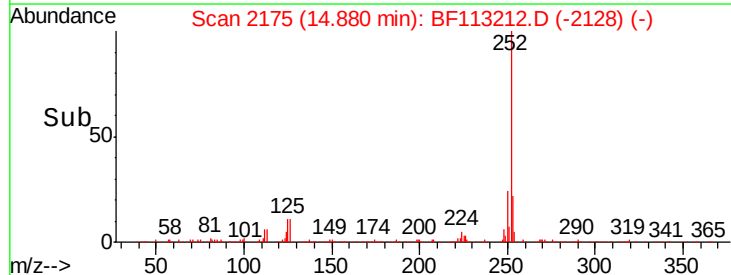
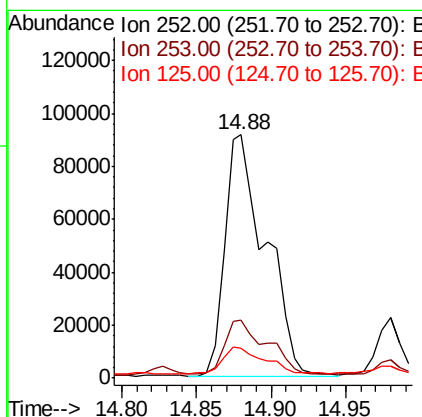
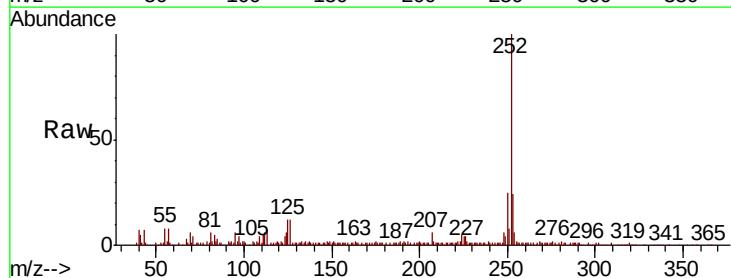
Instrument :
BNA_F
ClientSampleId :
EO-02-032019-B

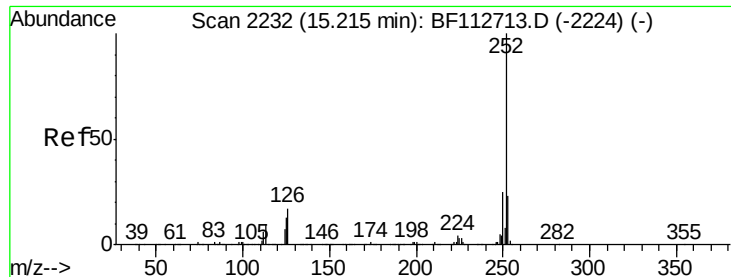
Tgt Ion:252 Resp: 173459
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 12.3 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 9.201 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113212.D
Acq: 21 Mar 2019 16:58

Tgt Ion:252 Resp: 173459
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 12.3 9.8 14.6





#90

Benzo(a)pyrene

Concen: 5.349 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

EO-02-032019-B

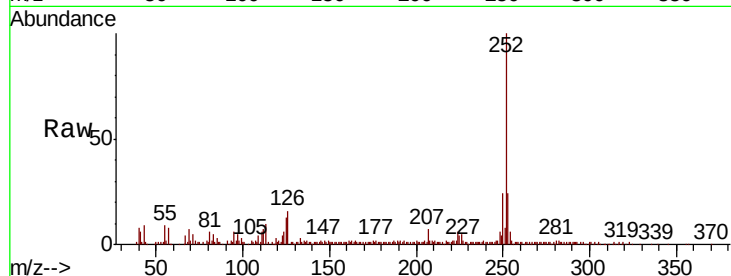
Tgt Ion:252 Resp: 98476

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

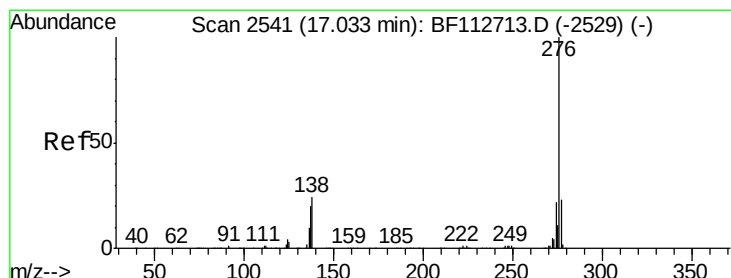
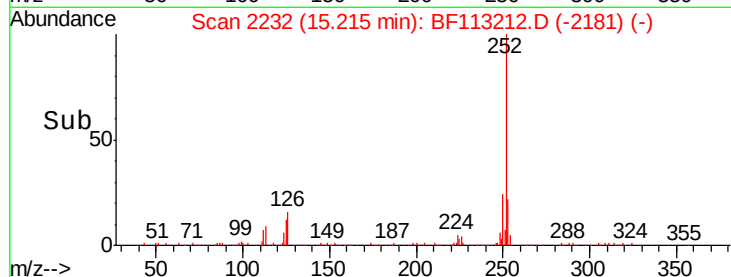
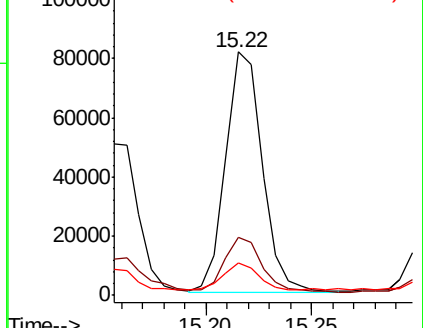
125 13.2 10.7 16.1



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: 3.103 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.01 min

Lab File: BF113212.D

Acq: 21 Mar 2019 16:58

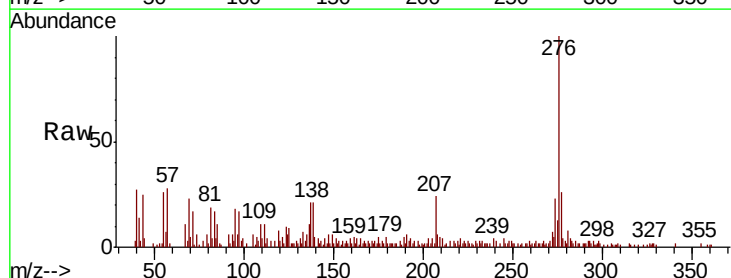
Tgt Ion:276 Resp: 48942

Ion Ratio Lower Upper

276 100

277 26.2 18.6 27.8

138 20.8 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

