

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
 Data File : BF114919.D
 Acq On : 8 Jun 2019 4:31
 Operator : HP/JU
 Sample : K3160-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060619-B

Quant Time: Jun 08 06:52:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

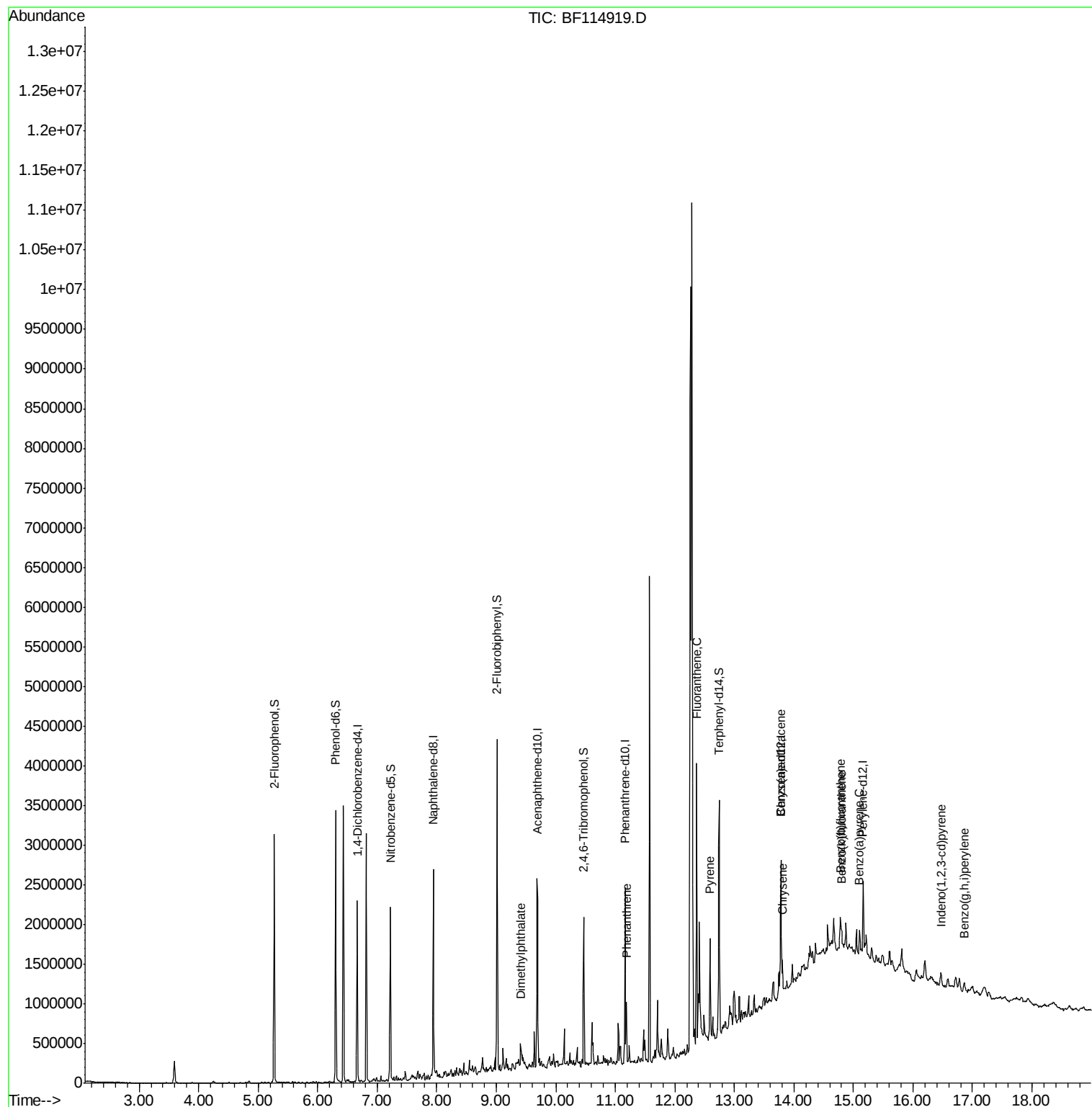
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	323057	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1151700	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	465004	20.00	ng	-0.01
64) Phenanthrene-d10	11.16	188	771283	20.00	ng	0.00
76) Chrysene-d12	13.79	240	531467	20.00	ng	0.00
87) Perylene-d12	15.16	264	412447	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	933023	50.47	ng	0.00
7) Phenol-d6	6.30	99	1142612	50.79	ng	0.00
23) Nitrobenzene-d5	7.22	82	646053	34.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	209556	41.82	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1197373	48.24	ng	-0.01
79) Terphenyl-d14	12.74	244	990330	36.24	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.41	163	97935	2.884	ng	Qvalue 98
71) Phenanthrene	11.19	178	266634	7.242	ng	95
75) Fluoranthene	12.37	202	417900	10.905	ng	92
78) Pyrene	12.59	202	410534	8.904	ng	95
81) Benzo(a)anthracene	13.77	228	171669	4.192	ng	98
83) Chrysene	13.81	228	183705	4.611	ng	95
86) Indeno(1,2,3-cd)pyrene	16.47	276	97502	2.145	ng	95
88) Benzo(b)fluoranthene	14.78	252	225667m	8.595	ng	
89) Benzo(k)fluoranthene	14.80	252	56370m	2.528	ng	
90) Benzo(a)pyrene	15.11	252	150058	6.603	ng	# 91
92) Benzo(a,h,i)perylene	16.86	276	94364	4.360	ng	92

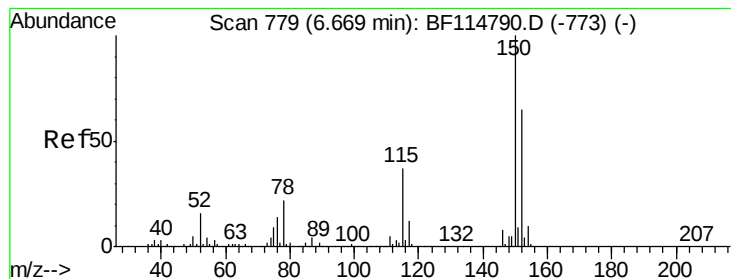
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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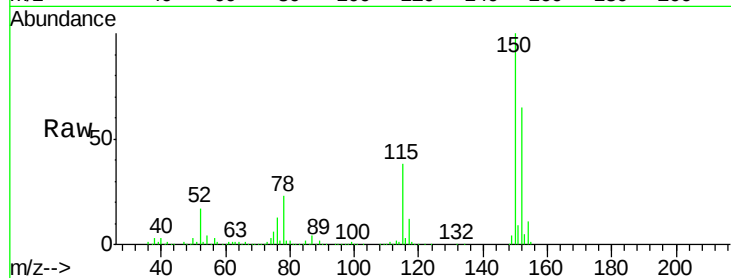




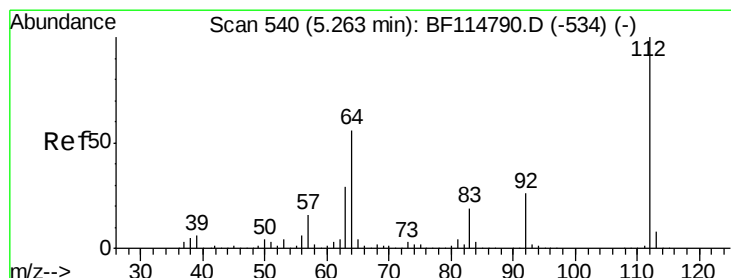
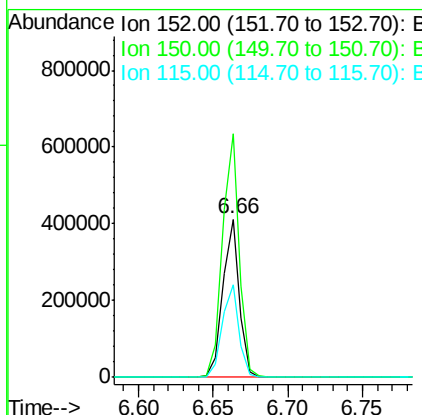
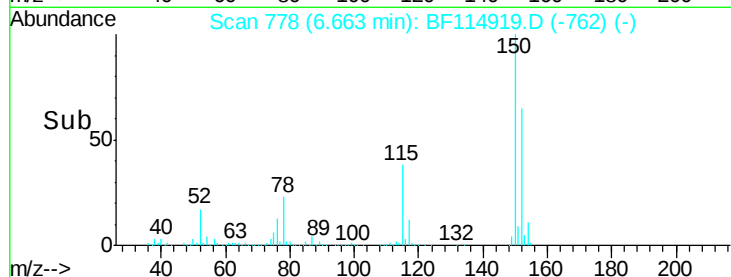
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF114919.D
 Acq: 8 Jun 2019 4:31

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060619-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.0	186.0
115	58.6	46.3	69.5

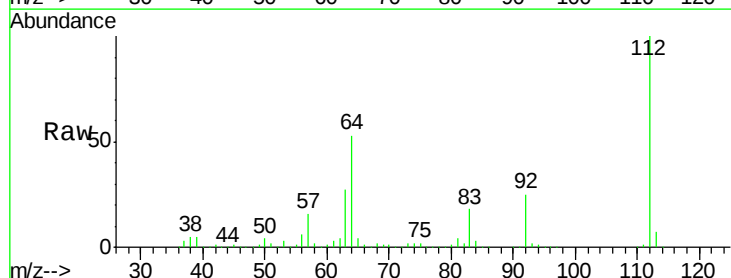


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

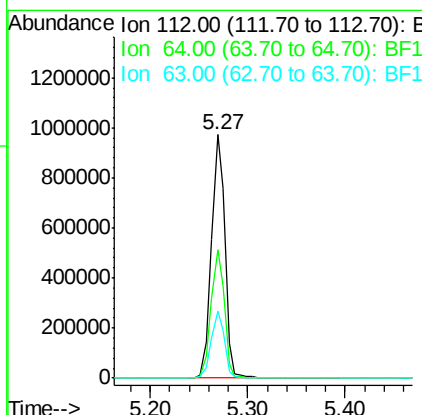
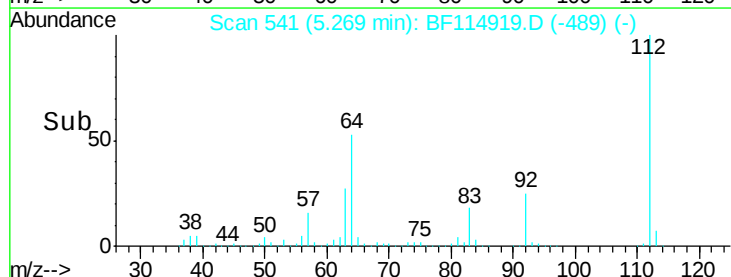


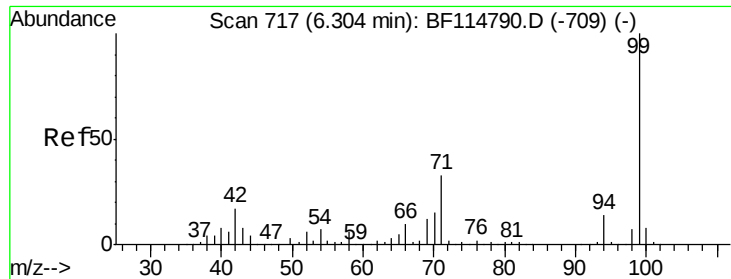
#5
 2-Fluorophenol
 Concen: 50.465 ng
 RT: 5.27 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: BF114919.D
 Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	44.6	66.8
63	27.4	23.0	34.4



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: 50.790 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-B

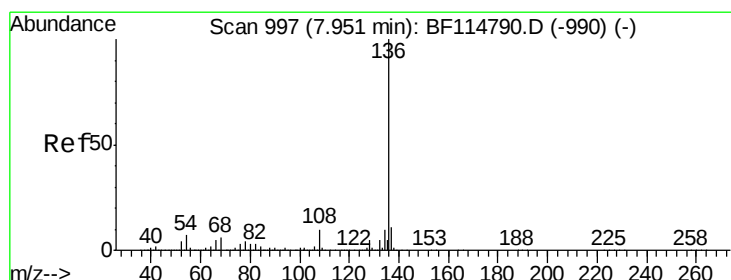
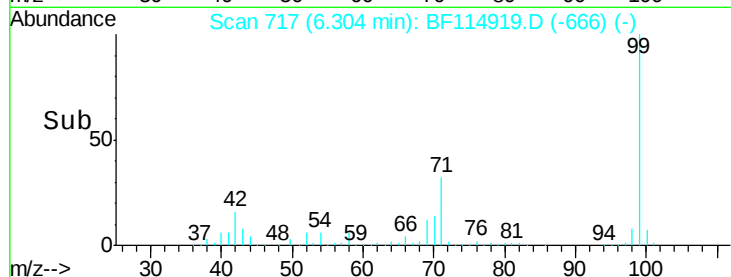
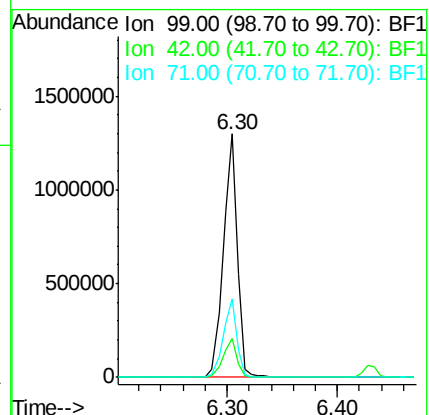
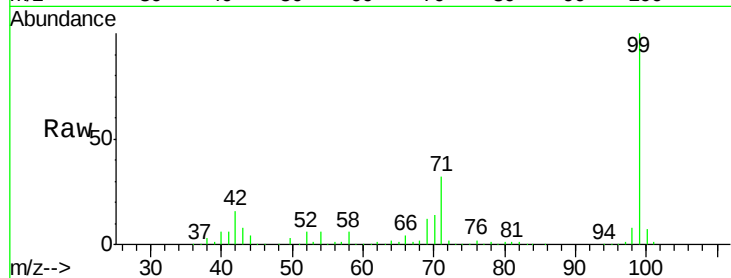
Tot Ion: 99 Resp: 1142612

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.3	19.9
71	32.4	26.3	39.5

99 100

42 15.9 13.3 19.9

71 32.4 26.3 39.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

Tgt Ion: 136 Resp: 1151700

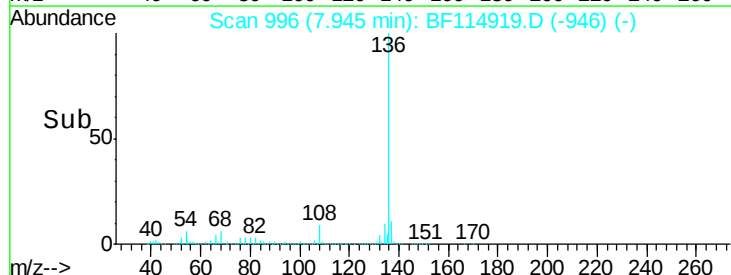
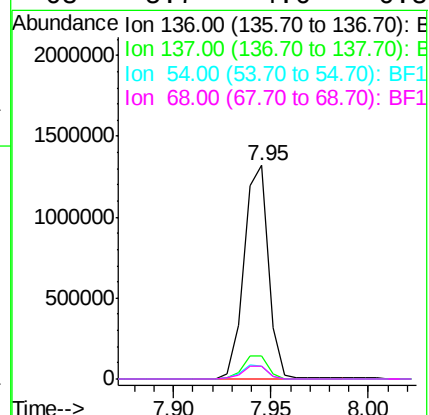
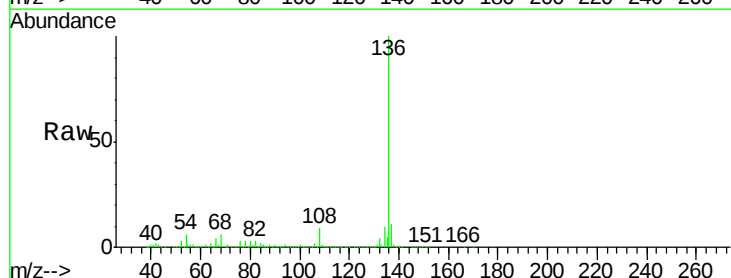
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.1	5.4	8.0
68	5.7	4.6	6.8

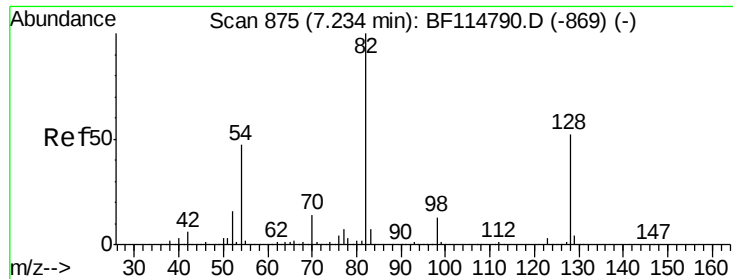
136 100

137 11.0 9.1 13.7

54 6.1 5.4 8.0

68 5.7 4.6 6.8

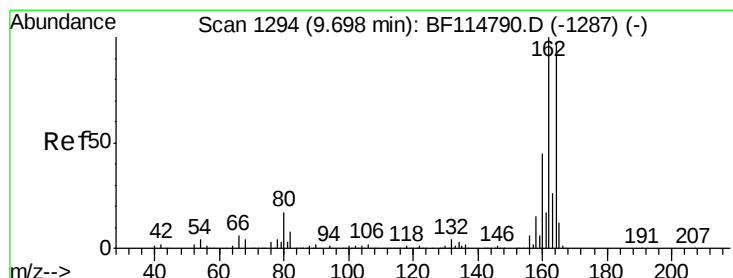
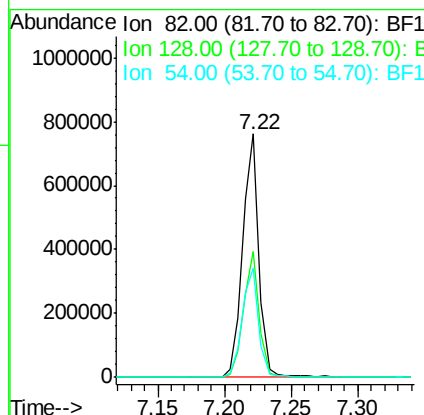
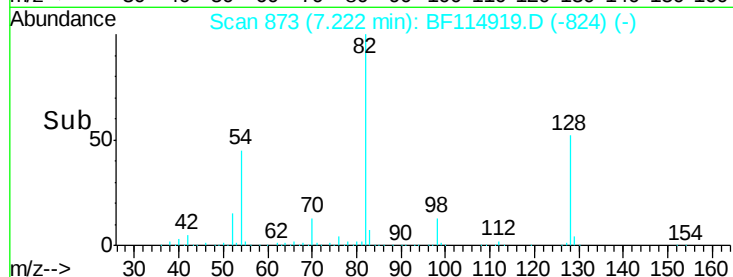
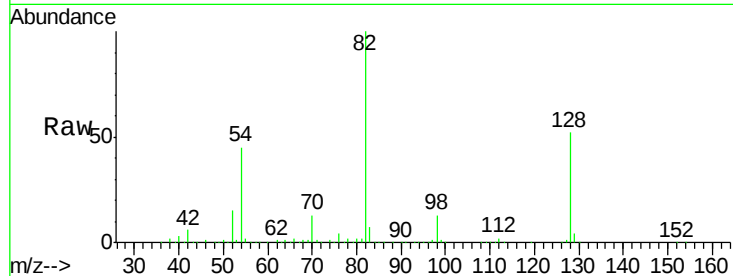




#23
Nitrobenzene-d5
Concen: 34.532 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

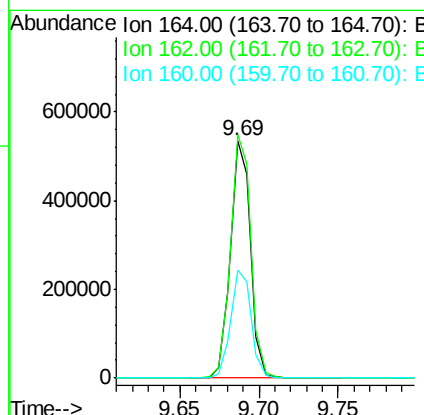
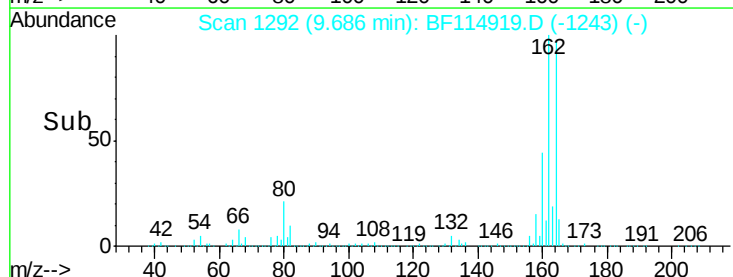
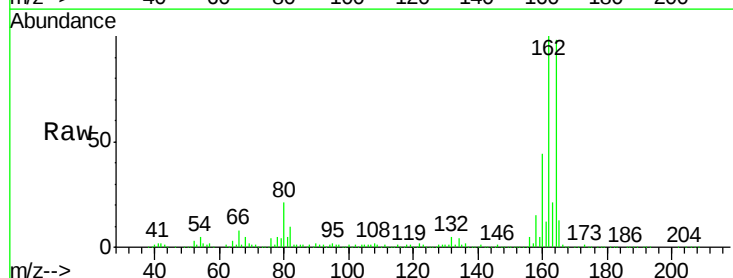
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-B

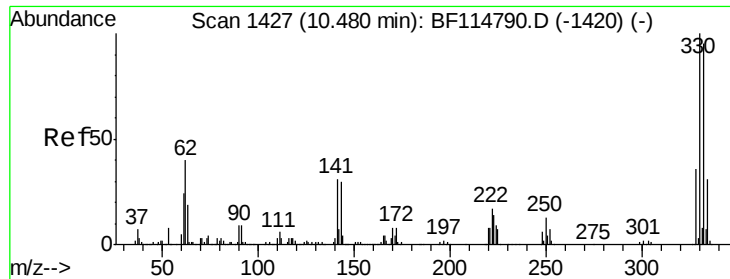
Tot Ion: 82 Resp: 646053
Ion Ratio Lower Upper
82 100
128 51.7 41.8 62.6
54 45.1 37.9 56.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion: 164 Resp: 465004
Ion Ratio Lower Upper
164 100
162 102.5 82.3 123.5
160 45.5 36.7 55.1

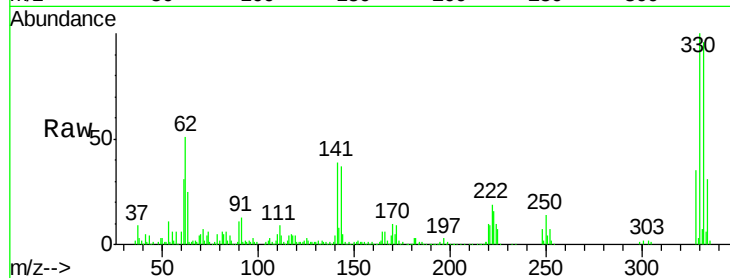




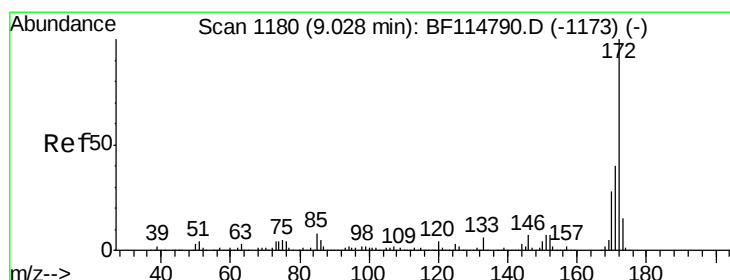
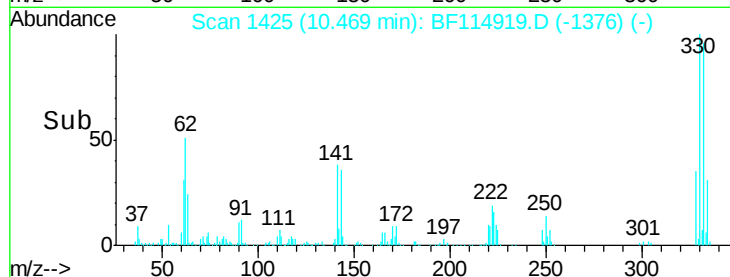
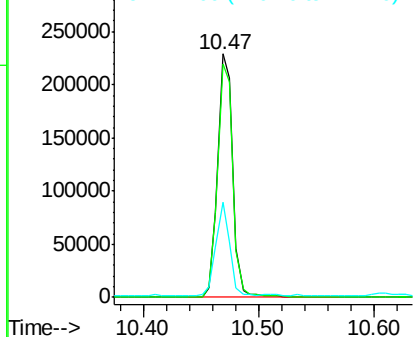
#42
 2,4,6-Tribromophenol
 Concen: 41.818 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF114919.D
 Acq: 8 Jun 2019 4:31

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060619-B

Tot Ion:330 Resp: 209556
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.3 115.9
 141 34.4 26.2 39.4

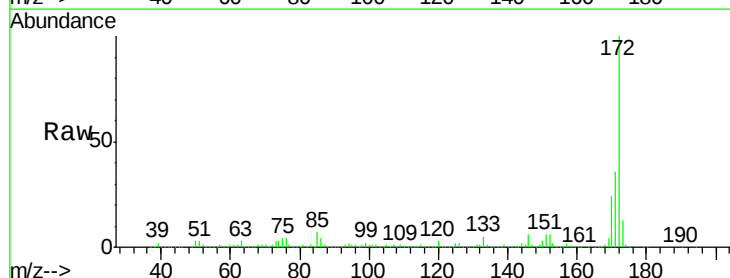


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

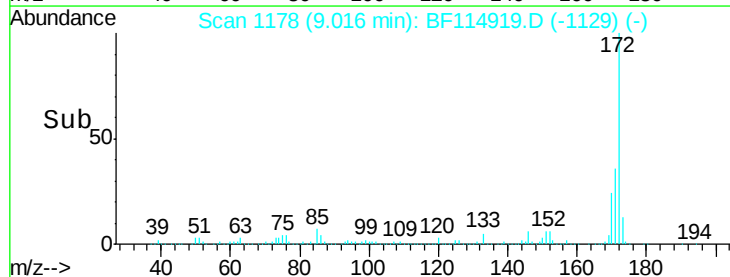
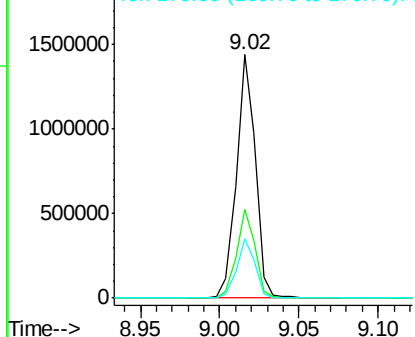


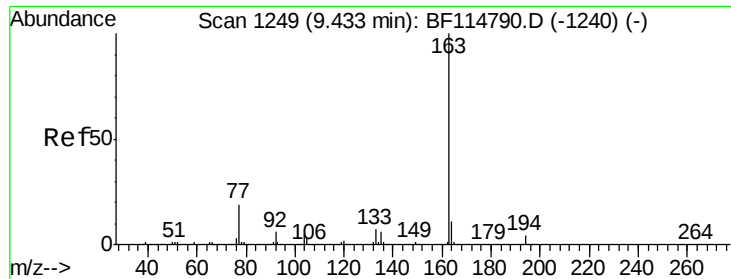
#45
 2-Fluorobiphenyl
 Concen: 48.236 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF114919.D
 Acq: 8 Jun 2019 4:31

Tgt Ion:172 Resp: 1197373
 Ion Ratio Lower Upper
 172 100
 171 36.3 32.3 48.5
 170 24.5 22.4 33.6



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: 2.884 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-B

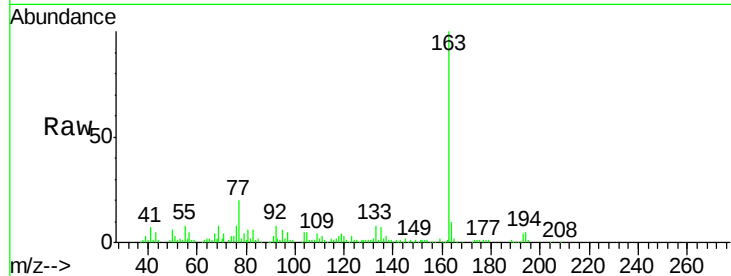
Tot Ion:163 Resp: 97935

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

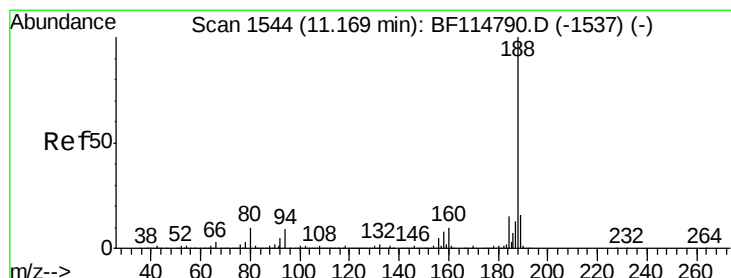
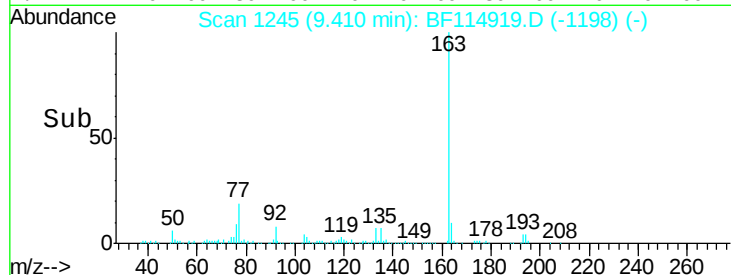
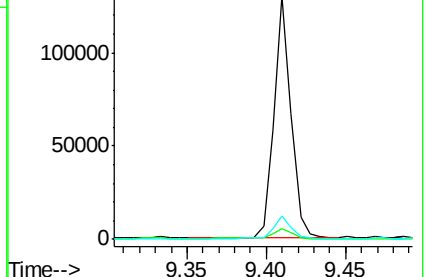
164 9.9 8.6 13.0



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

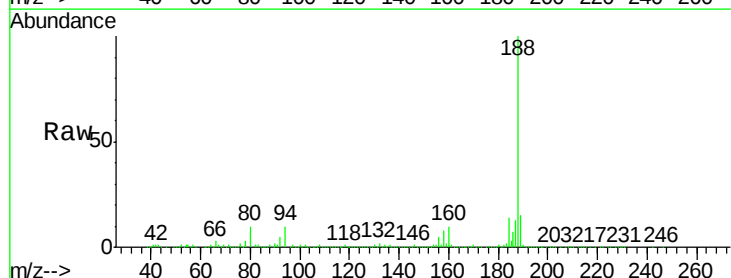
Tgt Ion:188 Resp: 771283

Ion Ratio Lower Upper

188 100

94 9.5 7.6 11.4

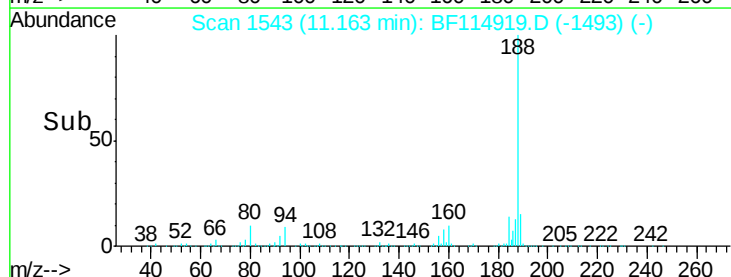
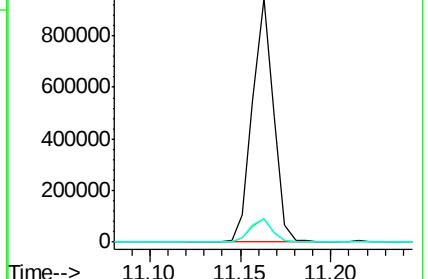
80 9.9 8.3 12.5

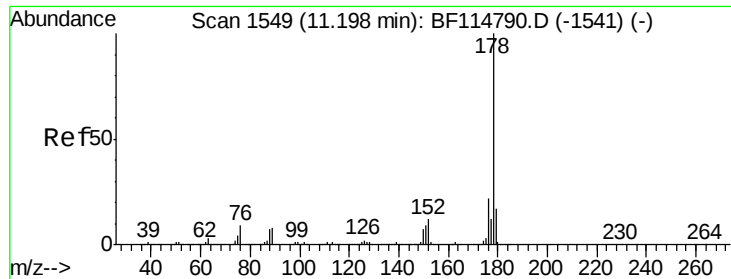


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 7.242 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-B

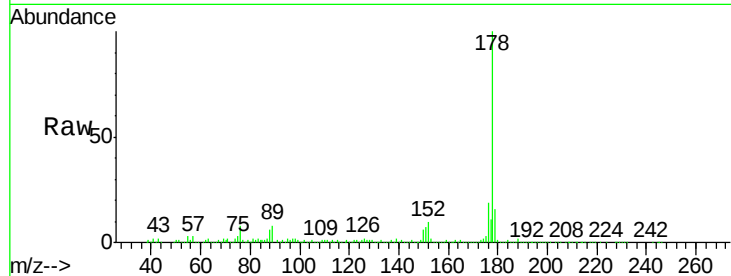
Tot Ion:178 Resp: 266634

Ion Ratio Lower Upper

178 100

176 18.9 17.7 26.5

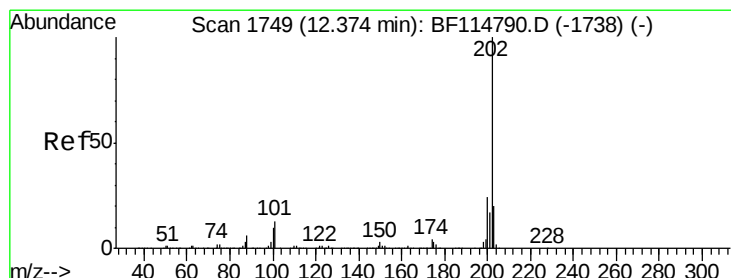
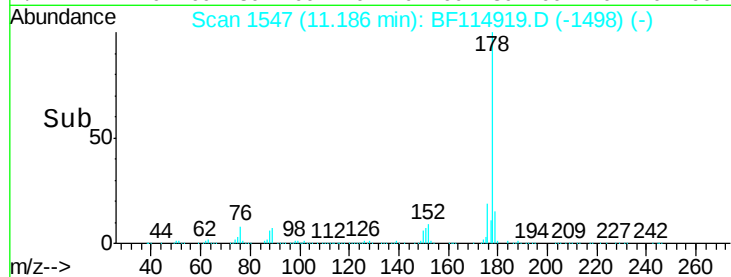
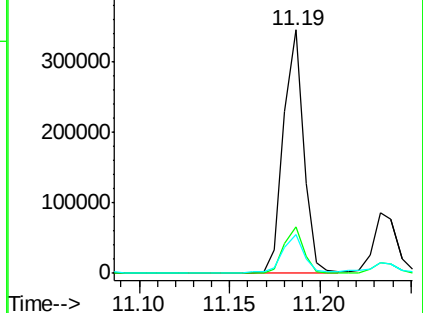
179 15.7 13.7 20.5



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: 10.905 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

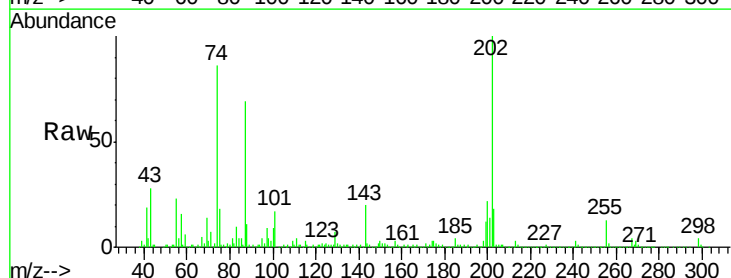
Tgt Ion:202 Resp: 417900

Ion Ratio Lower Upper

202 100

101 17.0 0.0 32.8

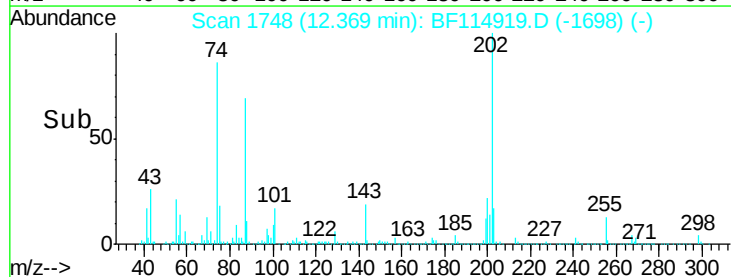
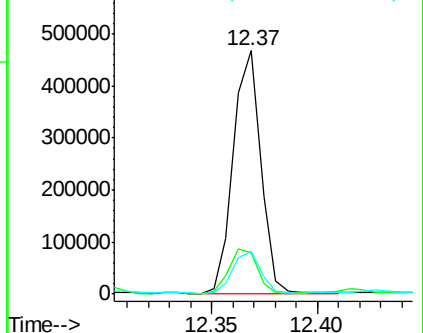
203 17.5 0.2 40.2

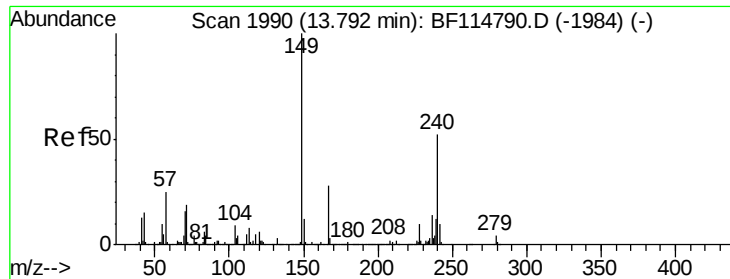


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

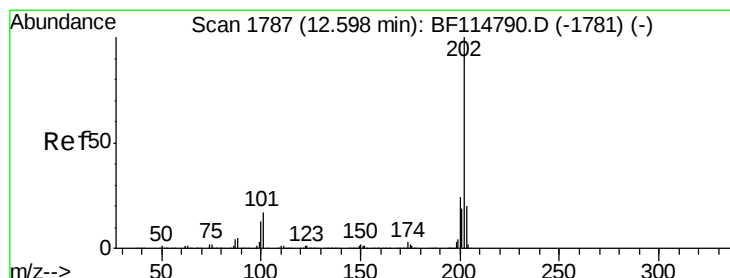
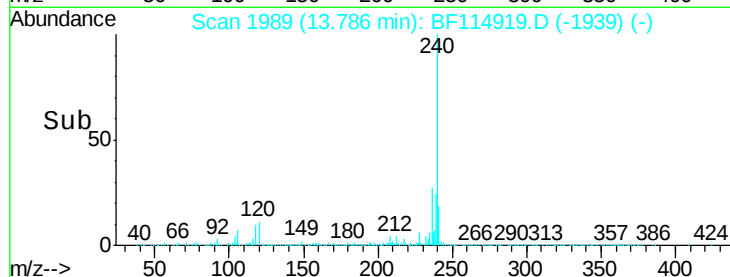
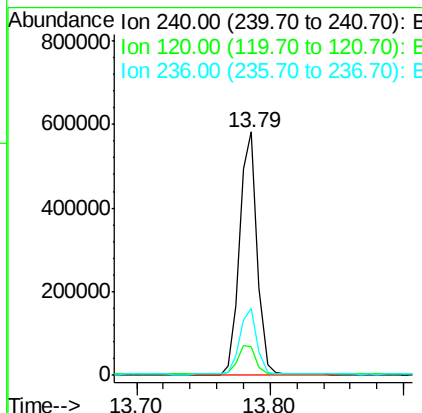
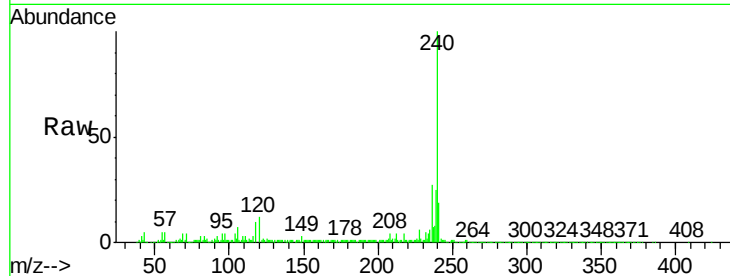




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

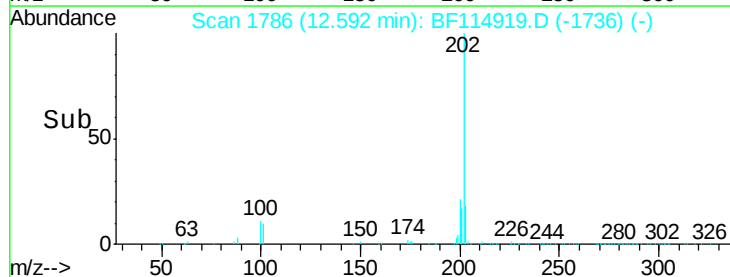
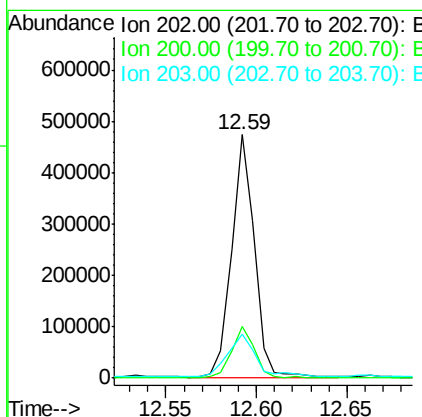
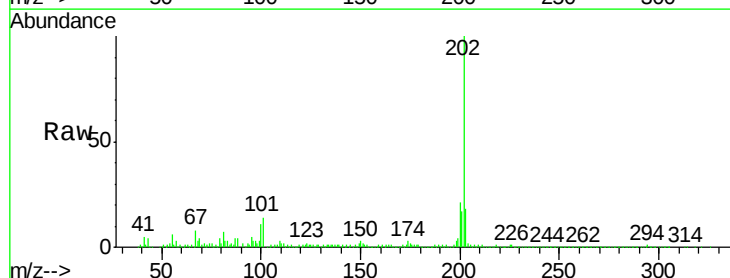
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-B

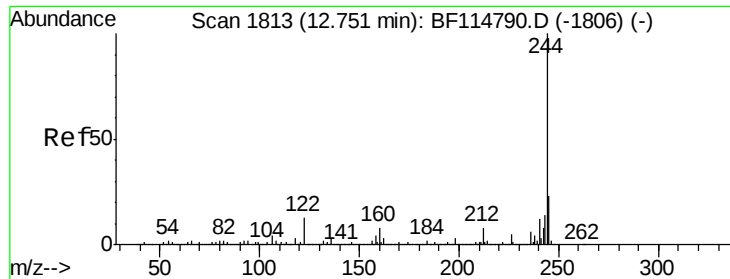
Tot Ion:240 Resp: 531467
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.4
236 27.3 21.4 32.0



#78
Pyrene
Concen: 8.904 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:202 Resp: 410534
Ion Ratio Lower Upper
202 100
200 21.1 19.2 28.8
203 18.2 15.9 23.9





#79

Terphenyl-d14

Concen: 36.238 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-B

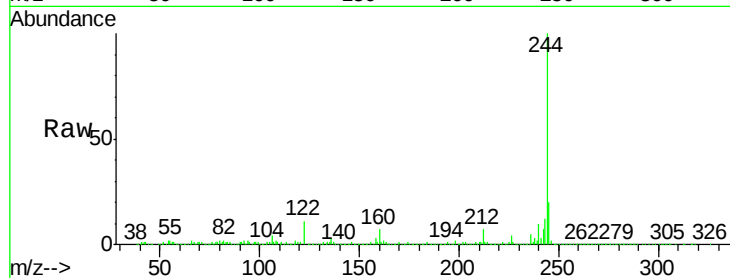
Tot Ion:244 Resp: 990330

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

122 11.1 10.5 15.7

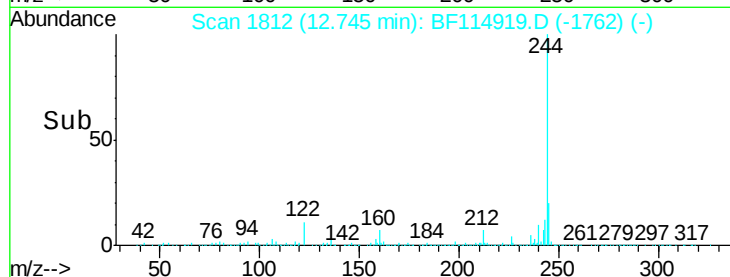


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



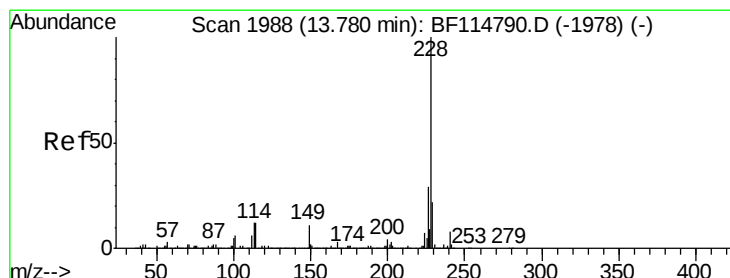
Abundance

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

Time-->



#81

Benzo(a)anthracene

Concen: 4.192 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

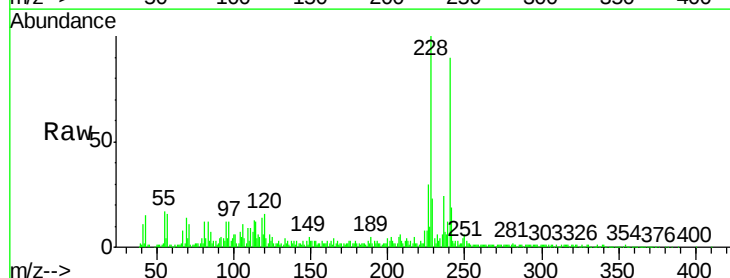
Tgt Ion:228 Resp: 171669

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

229 23.1 17.4 26.0

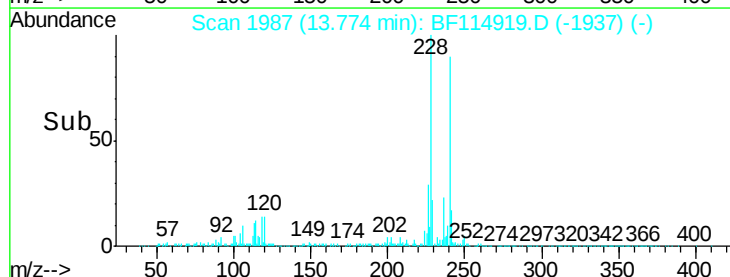


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



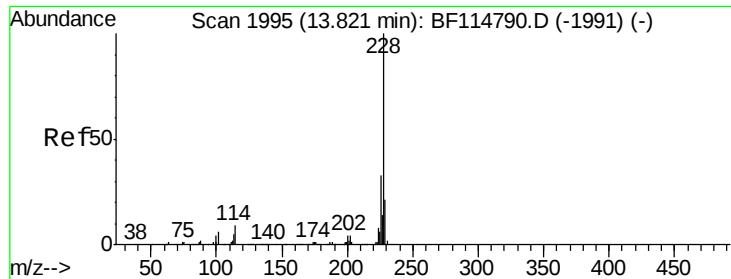
Abundance

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

Time-->



#83

Chrysene

Concen: 4.611 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-B

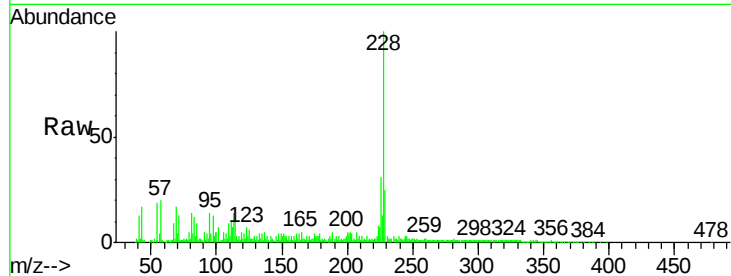
Tot Ion:228 Resp: 183705

Ion Ratio Lower Upper

228 100

226 30.8 26.0 39.0

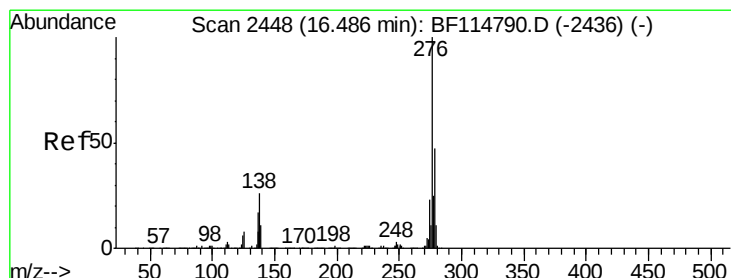
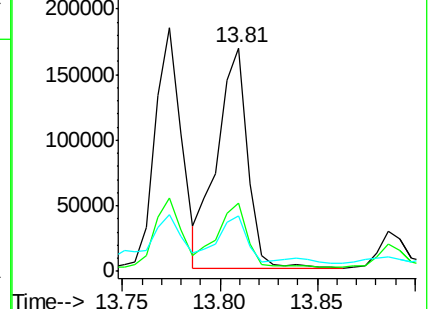
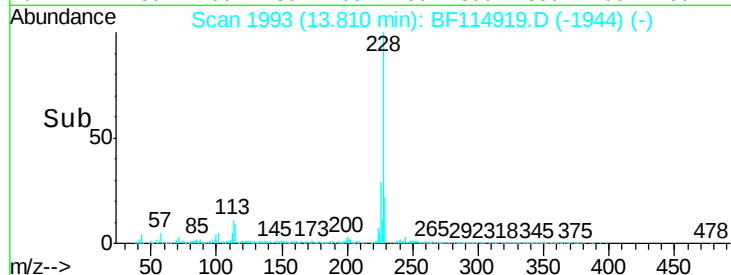
229 24.8 17.1 25.7



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.145 ng

RT: 16.47 min Scan# 2445

Delta R.T. -0.02 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

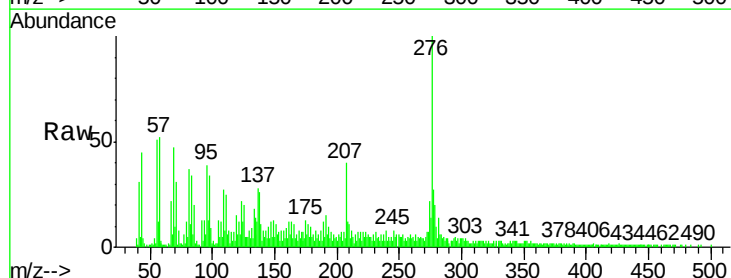
Tgt Ion:276 Resp: 97502

Ion Ratio Lower Upper

276 100

138 26.1 22.2 33.4

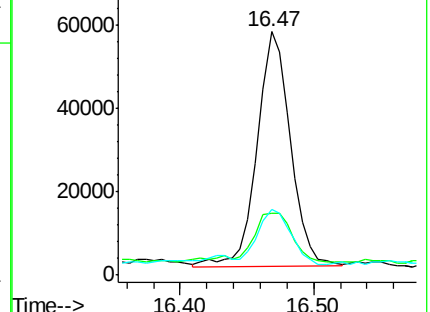
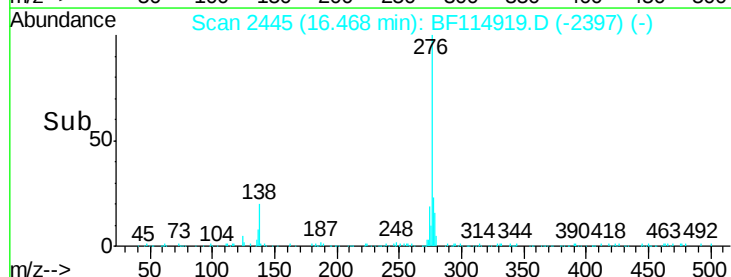
277 22.7 20.6 30.8

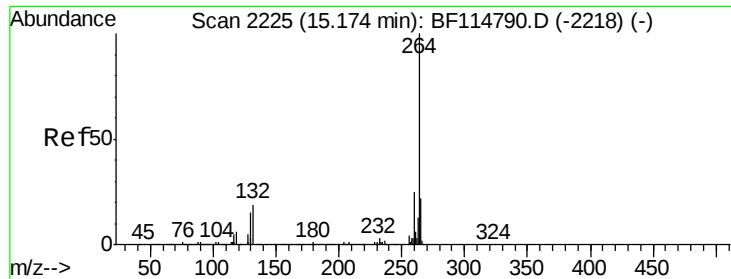


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-B

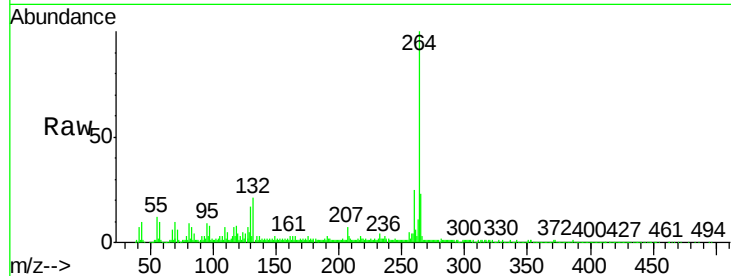
Tot Ion:264 Resp: 412447

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

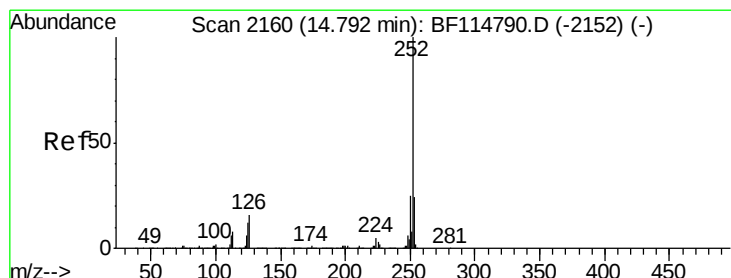
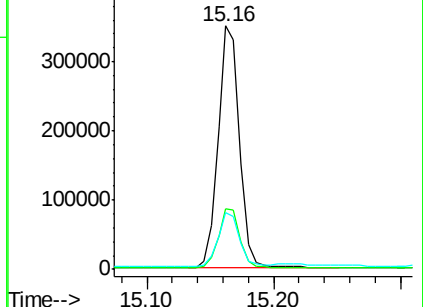
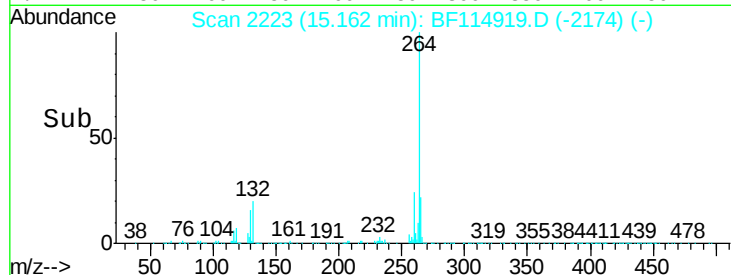
265 23.1 17.7 26.5



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: 8.595 ng m

RT: 14.78 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

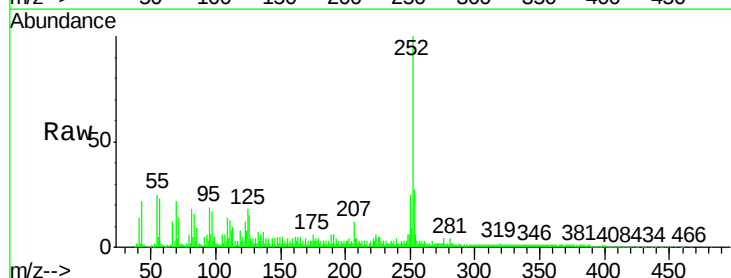
Tgt Ion:252 Resp: 225667

Ion Ratio Lower Upper

252 100

253 27.4 19.0 28.6

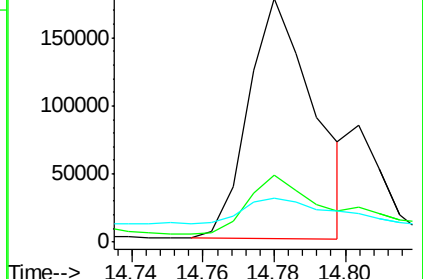
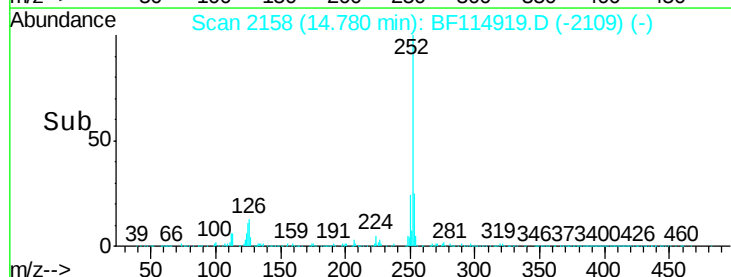
125 18.0 9.4 14.0#

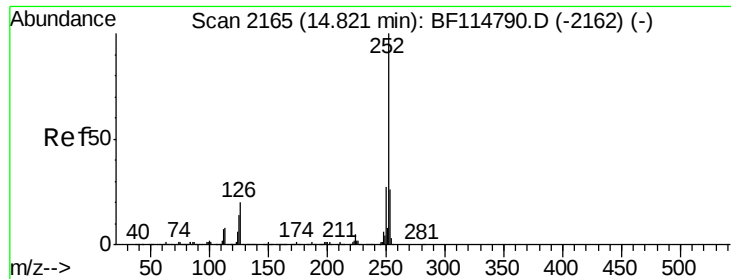


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

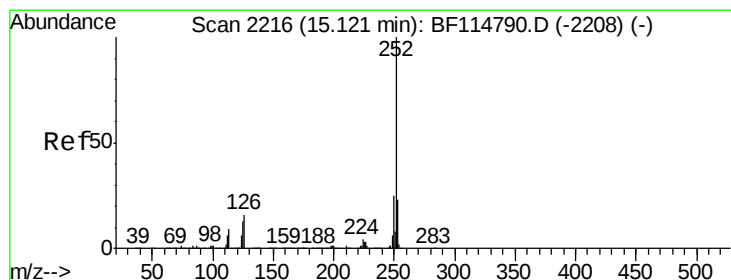
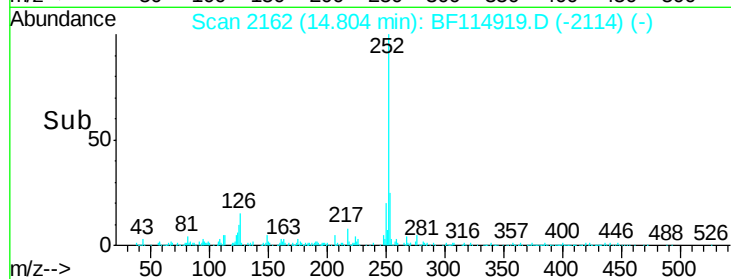
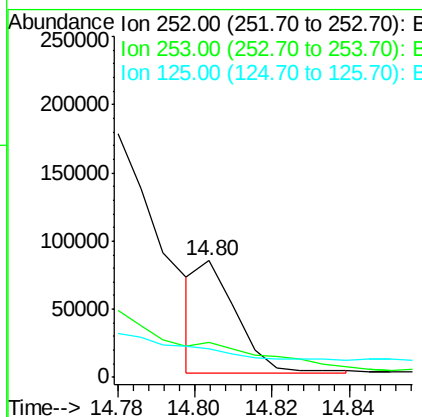
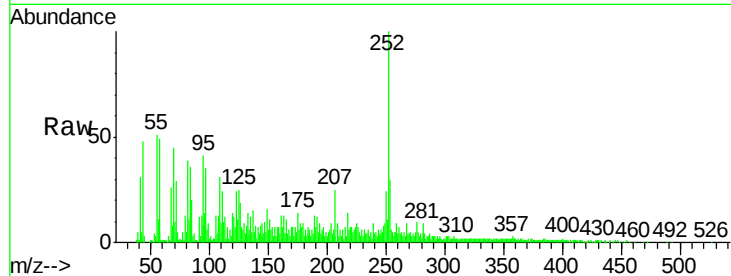




#89
Benzo(k)fluoranthene
Concen: 2.528 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

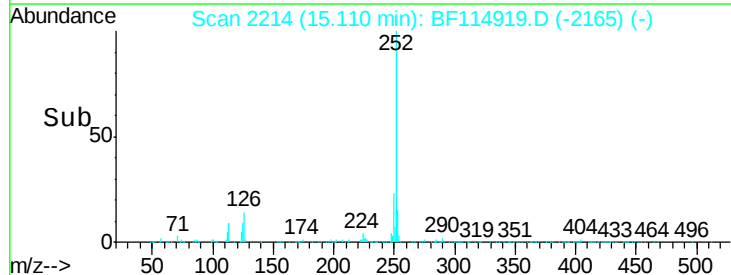
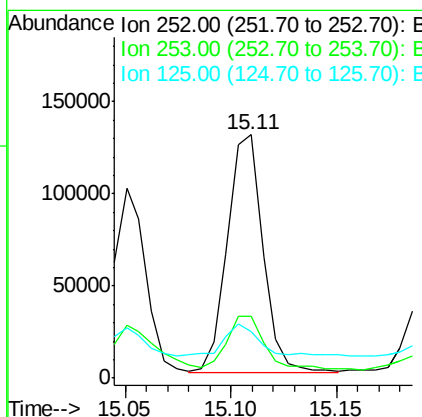
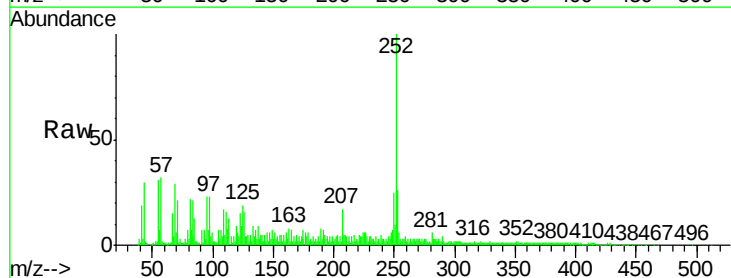
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-B

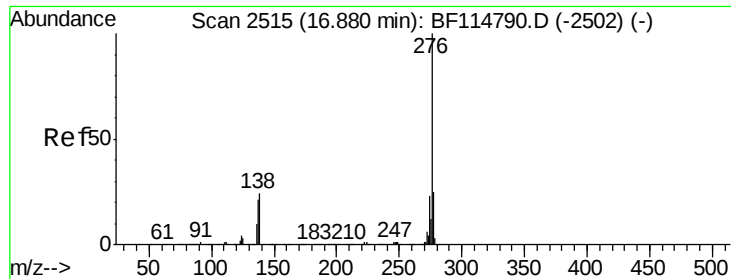
Tot Ion:252 Resp: 56370
Ion Ratio Lower Upper
252 100
253 29.7 19.3 28.9#
125 24.8 10.1 15.1#



#90
Benzo(a)pyrene
Concen: 6.603 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:252 Resp: 150058
Ion Ratio Lower Upper
252 100
253 25.6 18.5 27.7
125 19.0 10.1 15.1#





#92

Benzo(a,h,i)perylene

Concen: 4.360 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BF114919.D

Acq: 8 Jun 2019 4:31

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-B

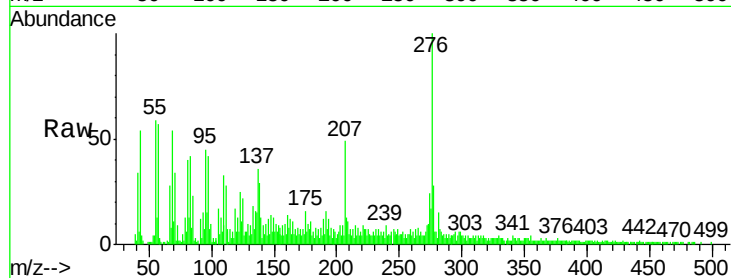
Tot Ion: 276 Resp: 94364

Ion Ratio Lower Upper

276 100

277 28.0 19.8 29.6

138 29.0 19.4 29.2



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

