

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
 Data File : BF114920.D
 Acq On : 8 Jun 2019 4:57
 Operator : HP/JU
 Sample : K3160-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 08 06:49:51 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	335001	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1208998	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	497024	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	857171	20.00	ng	0.00
76) Chrysene-d12	13.79	240	536679	20.00	ng	0.00
87) Perylene-d12	15.17	264	439945	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1008927	52.63	ng	0.00
7) Phenol-d6	6.30	99	1234558	52.92	ng	0.00
23) Nitrobenzene-d5	7.22	82	693642	35.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	250132	46.70	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	1292101	48.70	ng	-0.01
79) Terphenyl-d14	12.75	244	1147994	41.60	ng	0.00

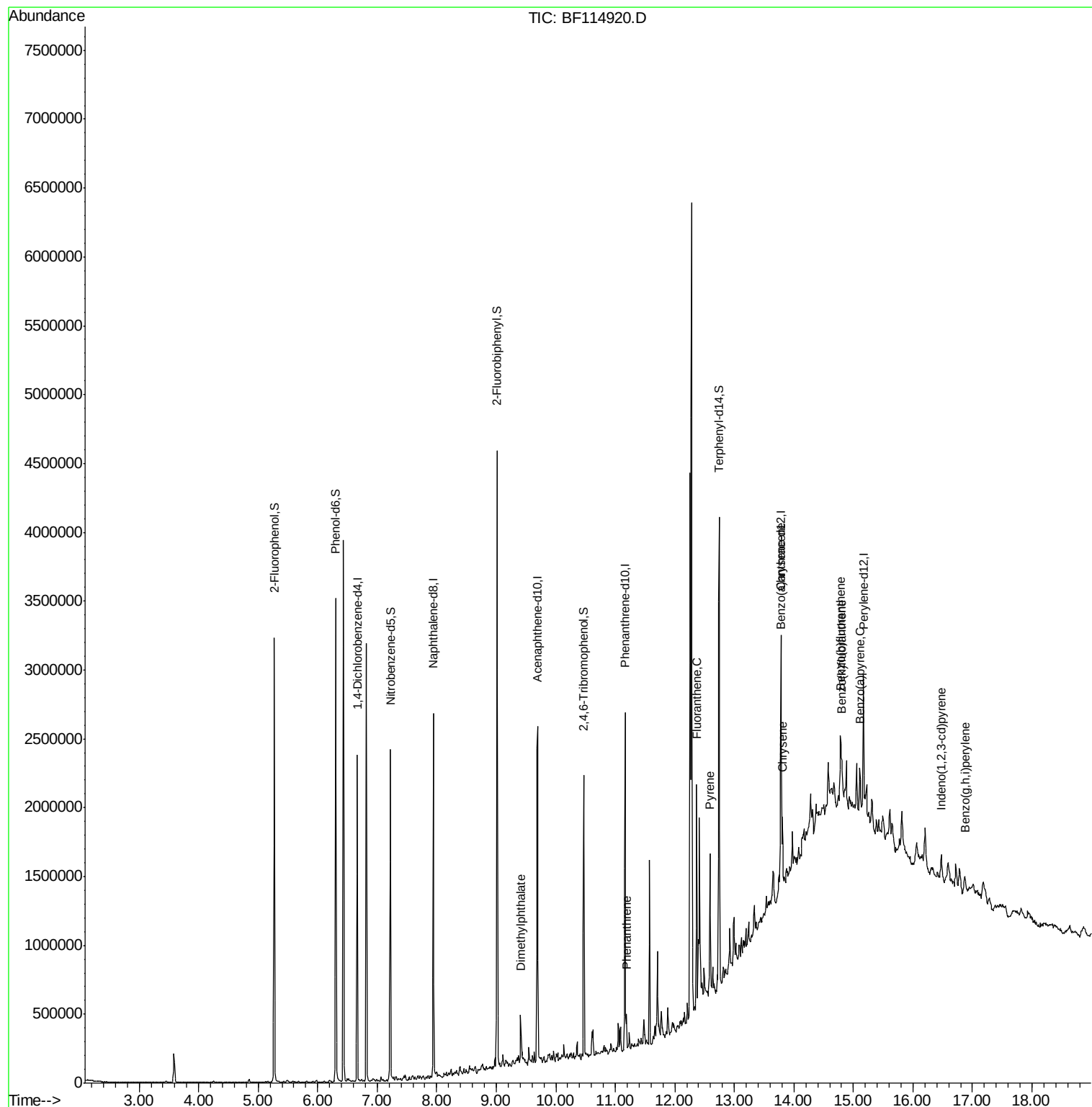
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.41	163	119771	3.299	ng	97
71) Phenanthrene	11.19	178	87082	2.128	ng	94
75) Fluoranthene	12.37	202	436261	10.243	ng	97
78) Pyrene	12.59	202	376721	8.092	ng	95
81) Benzo(a)anthracene	13.77	228	239628m	5.794	ng	
83) Chrysene	13.81	228	209779	5.214	ng	95
86) Indeno(1,2,3-cd)pyrene	16.47	276	104866	2.284	ng	95
88) Benzo(b)fluoranthene	14.79	252	246468m	8.800	ng	
89) Benzo(k)fluoranthene	14.80	252	88446m	3.719	ng	
90) Benzo(a)pyrene	15.11	252	152611	6.295	ng	# 87
92) Benzo(g,h,i)perylene	16.87	276	97927	4.242	ng	92

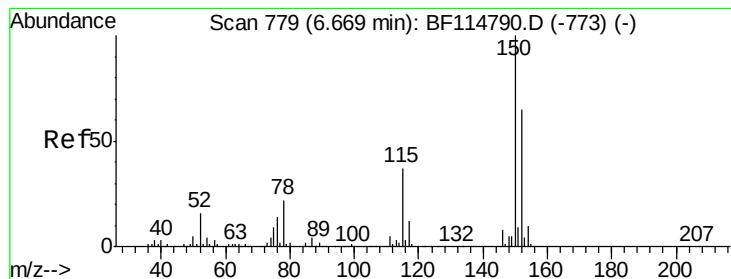
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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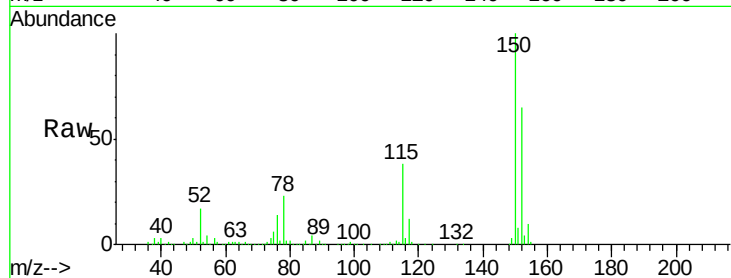


#1

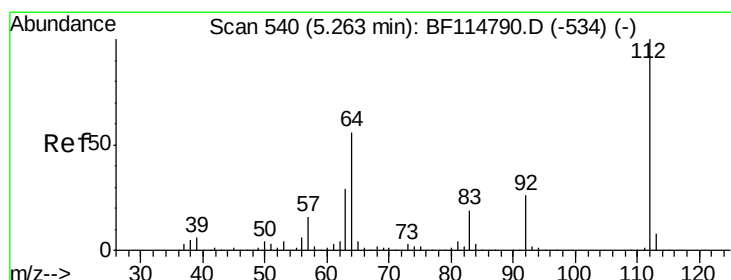
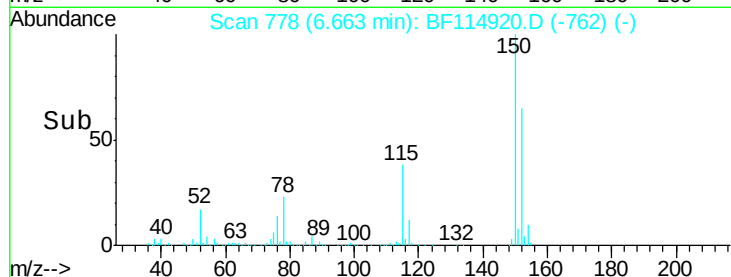
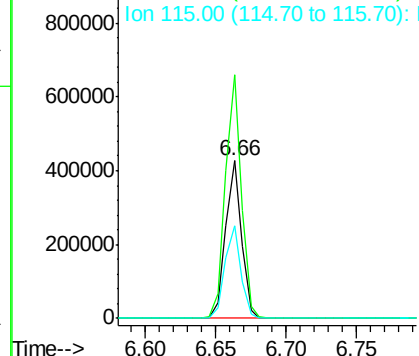
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

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

Tot Ion:152 Resp: 335001
Ion Ratio Lower Upper
152 100
150 154.6 124.0 186.0
115 59.1 46.3 69.5



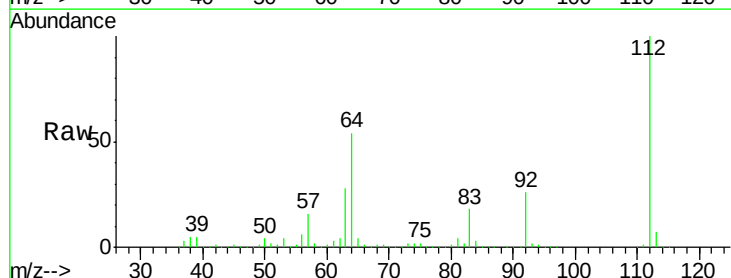
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



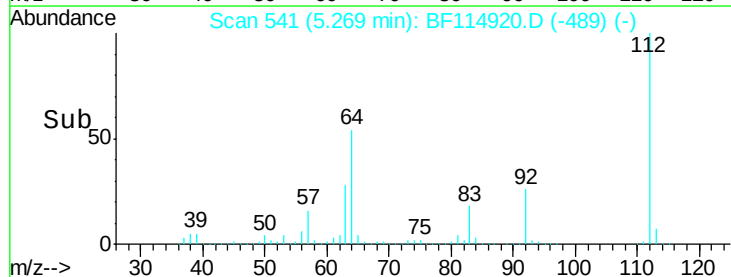
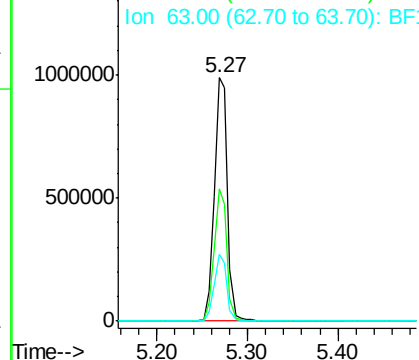
#5

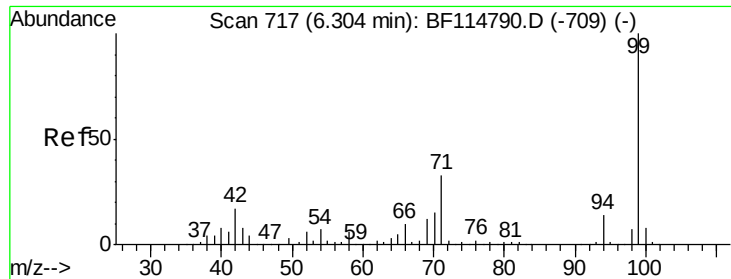
2-Fluorophenol
Concen: 52.625 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

Tgt Ion:112 Resp: 1008927
Ion Ratio Lower Upper
112 100
64 54.3 44.6 66.8
63 27.7 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: 52.921 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

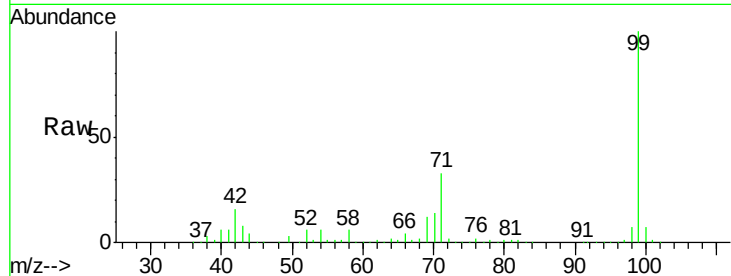
Tot Ion: 99 Resp: 1234558

Ion Ratio Lower Upper

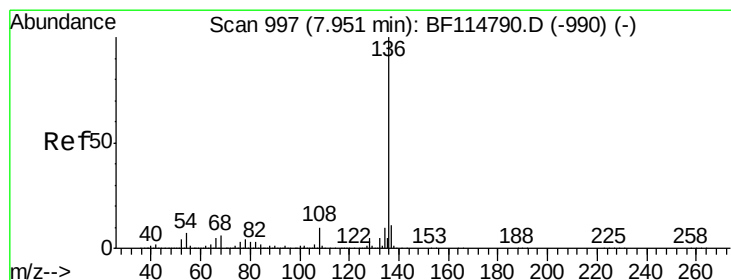
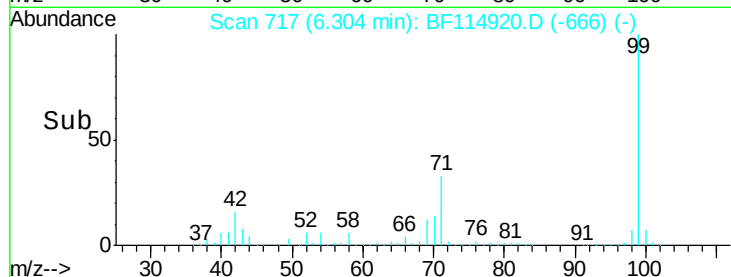
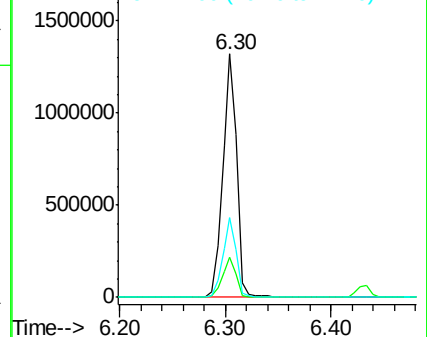
99 100

42 16.2 13.3 19.9

71 32.8 26.3 39.5



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: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Tgt Ion: 136 Resp: 1208998

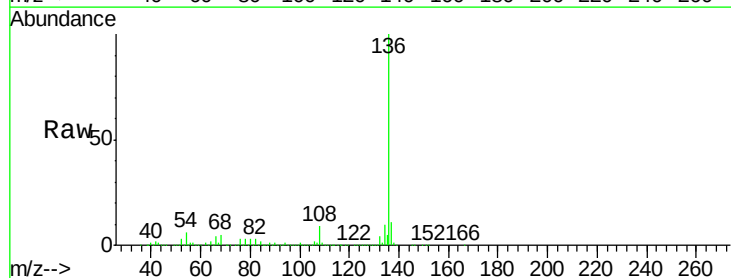
Ion Ratio Lower Upper

136 100

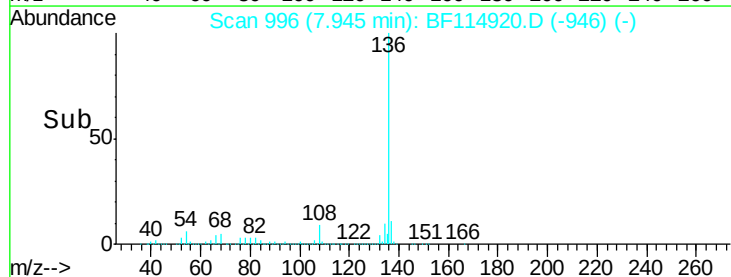
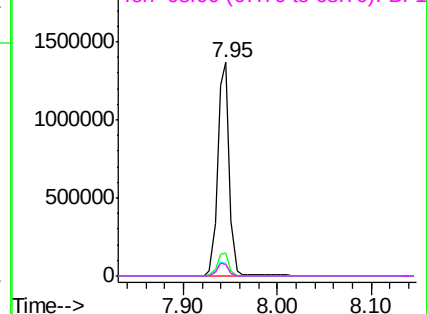
137 11.1 9.1 13.7

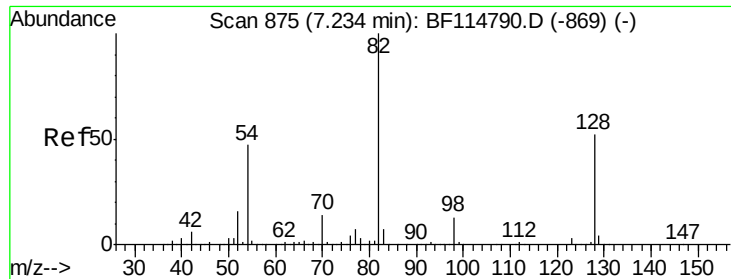
54 6.2 5.4 8.0

68 5.3 4.6 6.8



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

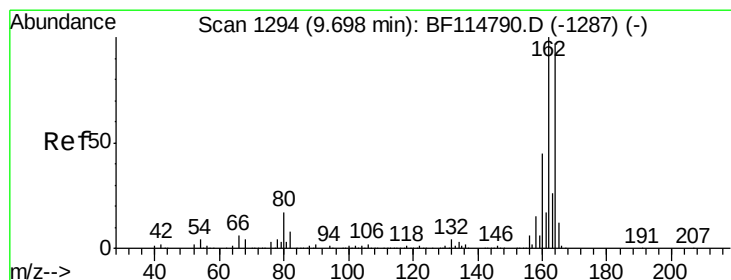
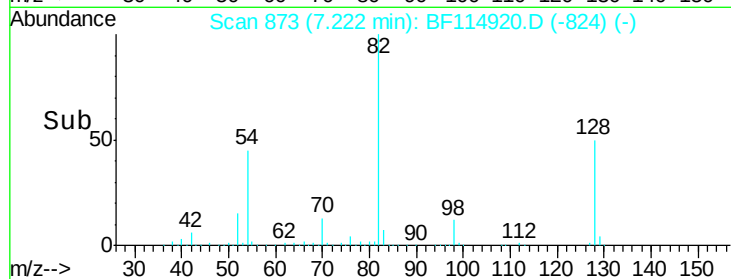
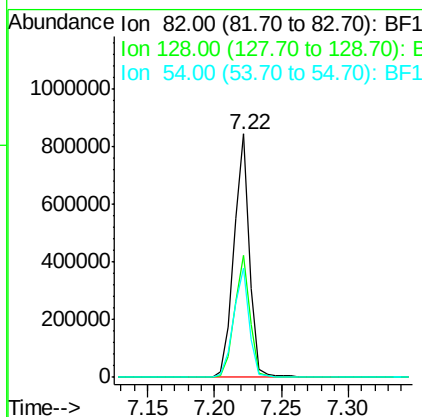
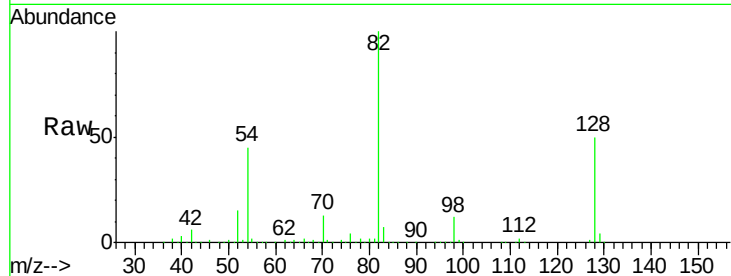




#23
 Nitrobenzene-d5
 Concen: 35.318 ng
 RT: 7.22 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF114920.D
 Acq: 8 Jun 2019 4:57

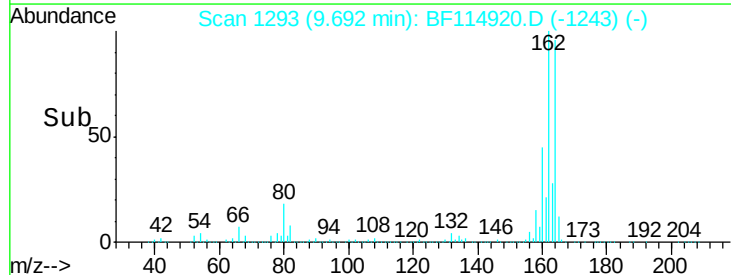
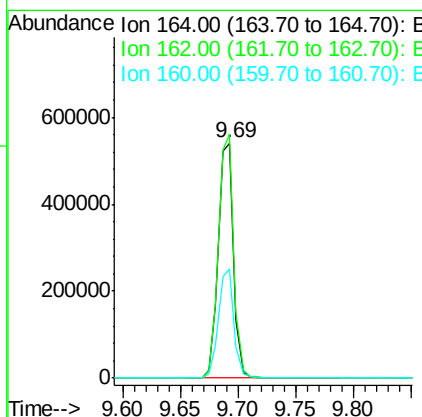
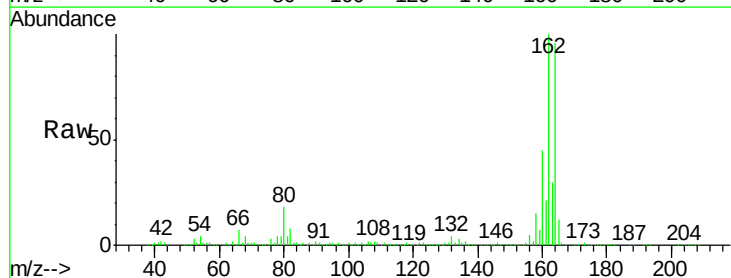
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060619-A

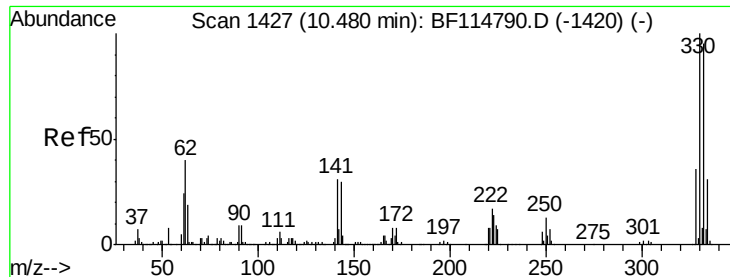
Tot Ion	82	Resp	693642
Ion Ratio	Lower	Upper	
82	100		
128	50.1	41.8	62.6
54	44.7	37.9	56.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF114920.D
 Acq: 8 Jun 2019 4:57

Tgt Ion	164	Resp	497024
Ion Ratio	Lower	Upper	
164	100		
162	103.8	82.3	123.5
160	46.8	36.7	55.1





#42

2,4,6-Tribromophenol

Concen: 46.699 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

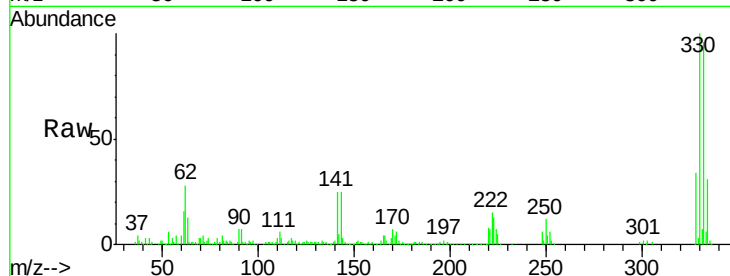
Tot Ion:330 Resp: 250132

Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

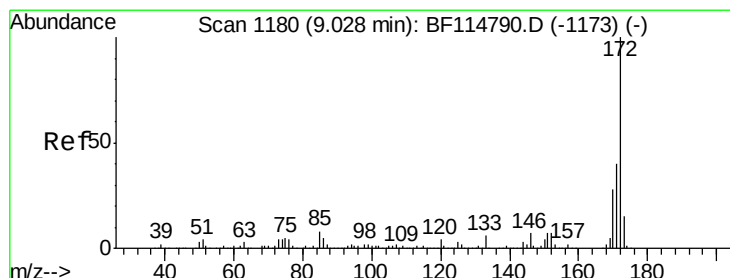
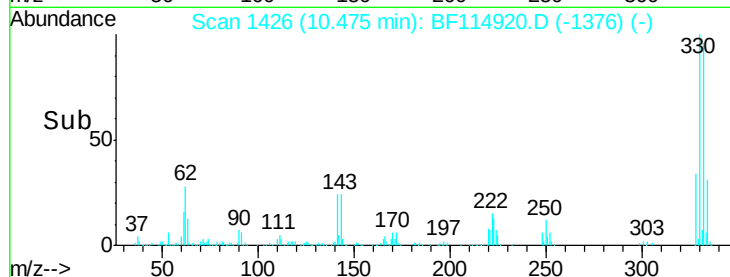
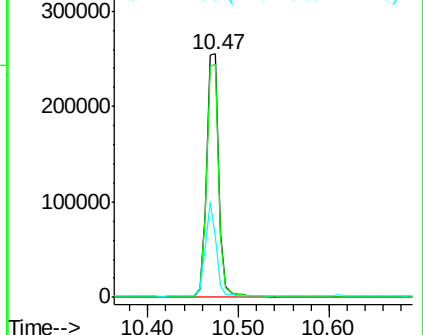
141 34.1 26.2 39.4



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: 48.699 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

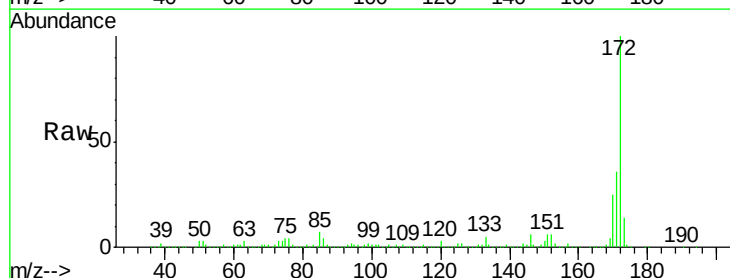
Tgt Ion:172 Resp: 1292101

Ion Ratio Lower Upper

172 100

171 35.5 32.3 48.5

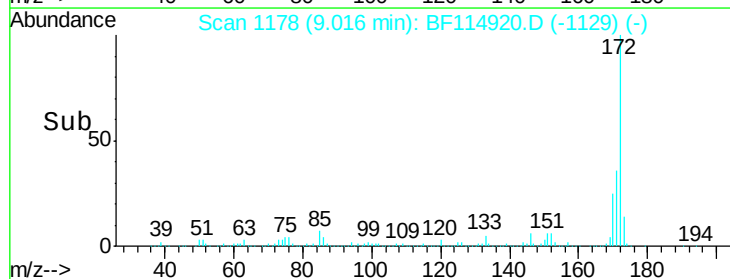
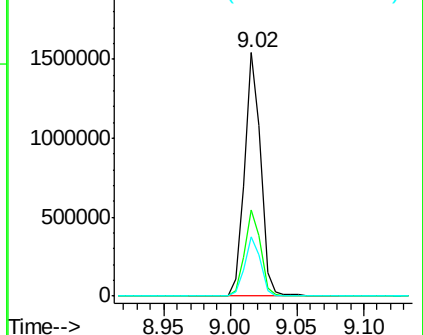
170 24.5 22.4 33.6

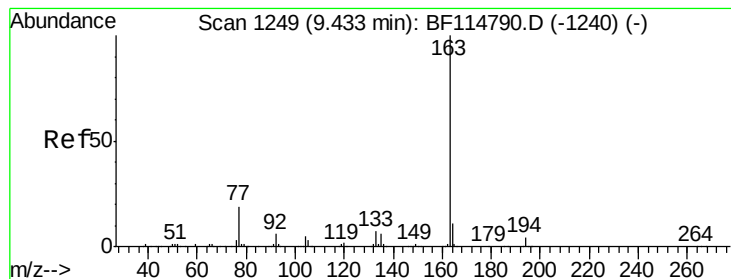


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.299 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

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EO-02-060619-A

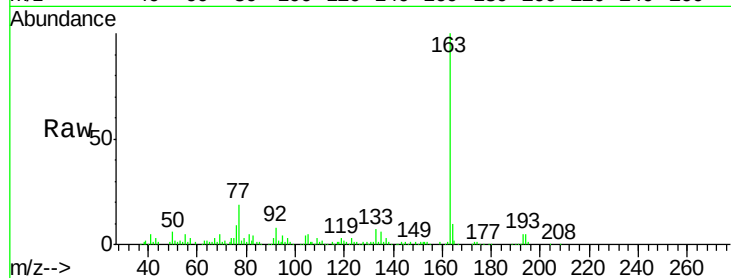
Tot Ion:163 Resp: 119771

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

164 9.6 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

9.41

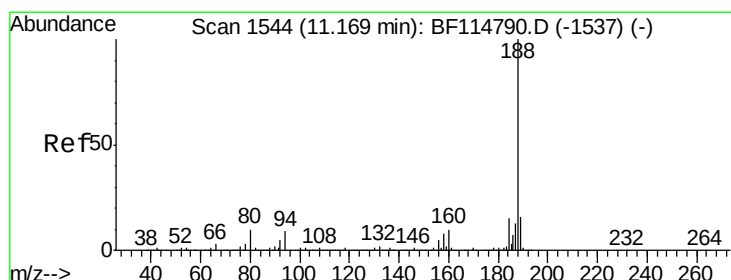
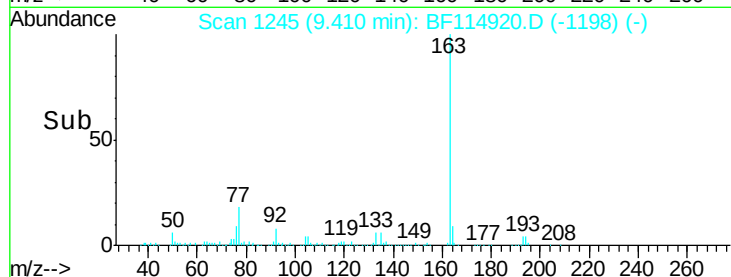
150000

100000

50000

0

Time--> 9.30 9.40 9.50



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

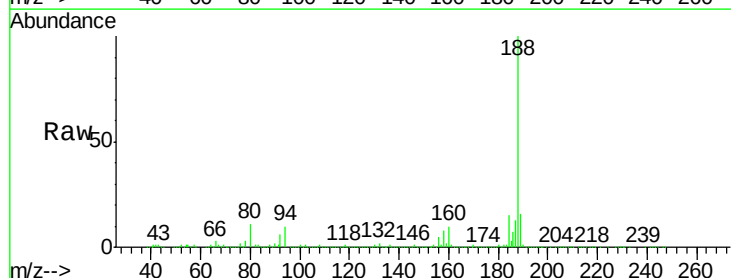
Tgt Ion:188 Resp: 857171

Ion Ratio Lower Upper

188 100

94 10.2 7.6 11.4

80 10.7 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

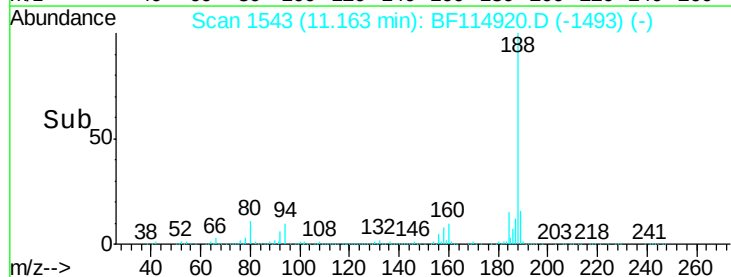
11.16

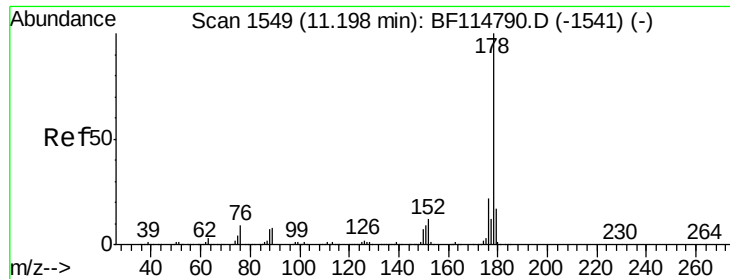
1000000

500000

0

Time--> 11.10 11.15 11.20

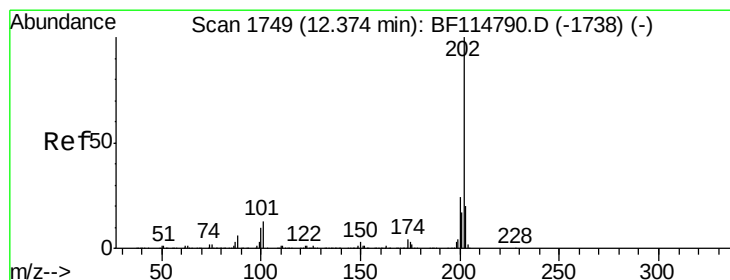
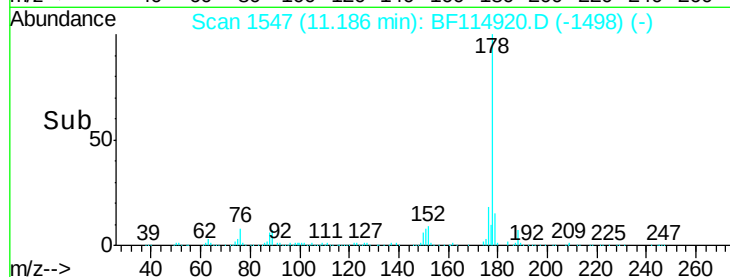
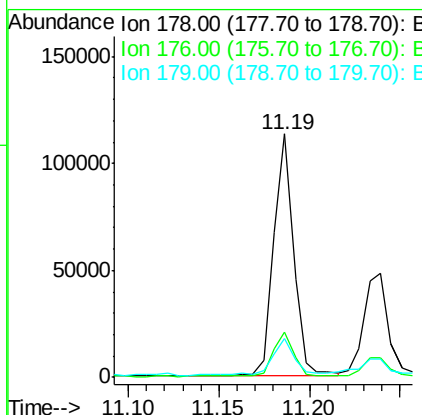
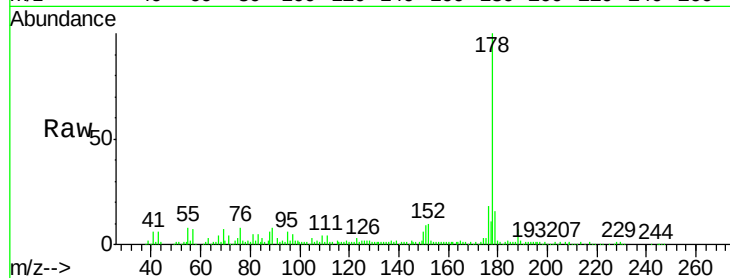




#71
Phenanthrene
Concen: 2.128 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

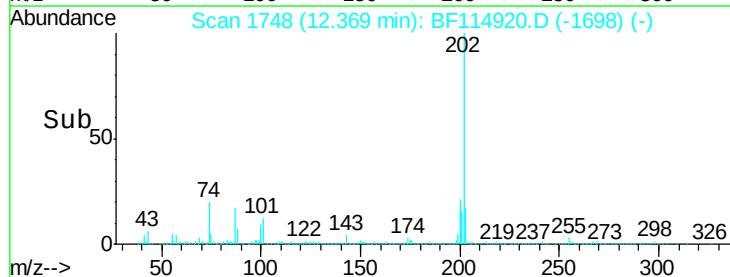
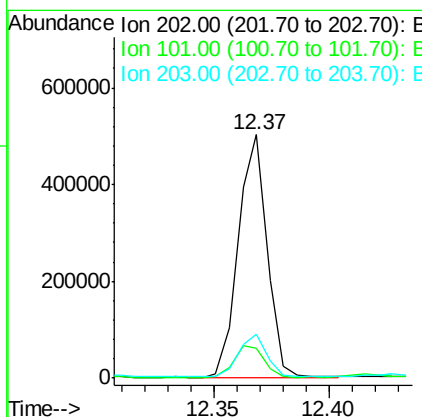
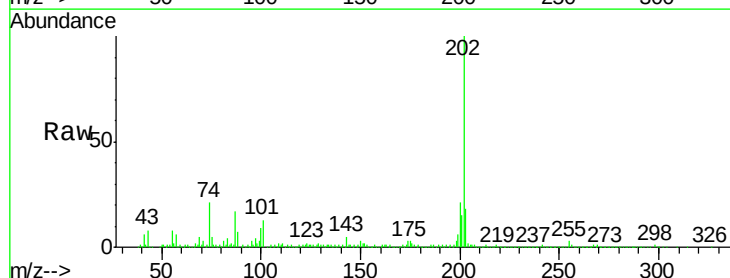
Instrument :
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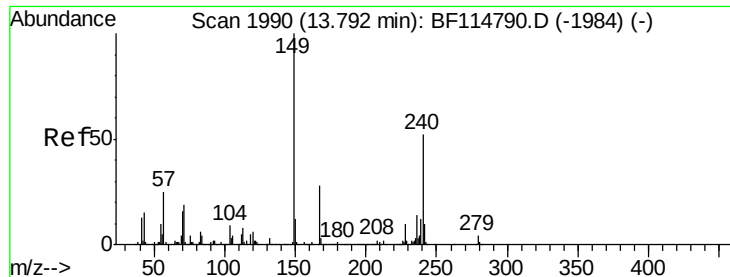
Tot Ion:178 Resp: 87082
Ion Ratio Lower Upper
178 100
176 18.3 17.7 26.5
179 16.0 13.7 20.5



#75
Fluoranthene
Concen: 10.243 ng
RT: 12.37 min Scan# 1748
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

Tgt Ion:202 Resp: 436261
Ion Ratio Lower Upper
202 100
101 12.5 0.0 32.8
203 17.8 0.2 40.2

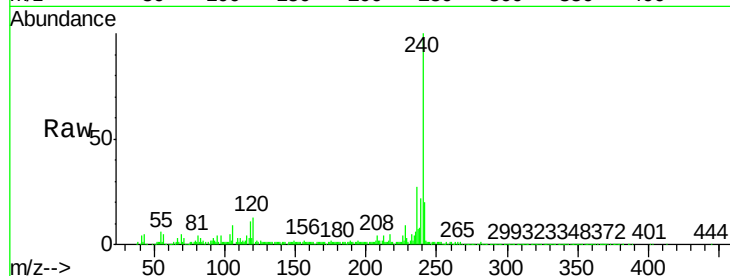




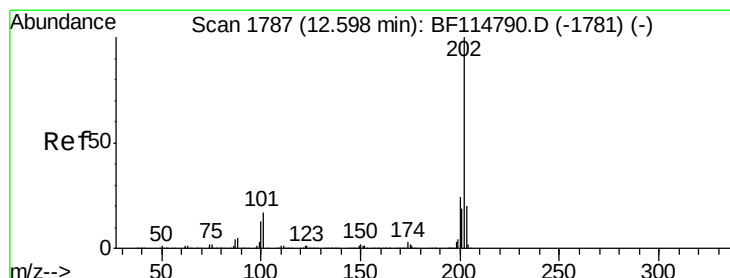
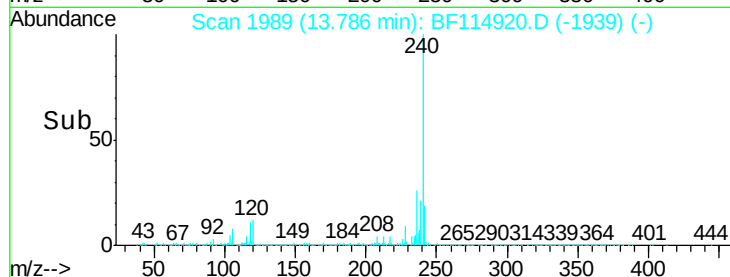
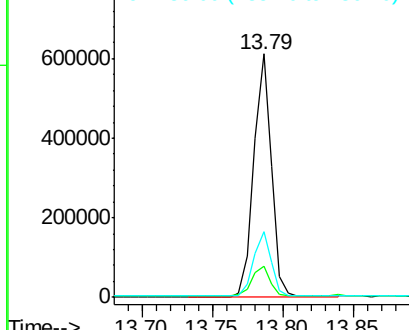
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

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

Tot Ion:240 Resp: 536679
Ion Ratio Lower Upper
240 100
120 12.7 9.0 13.4
236 26.8 21.4 32.0

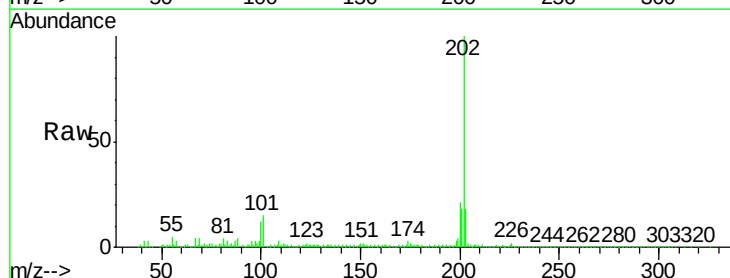


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

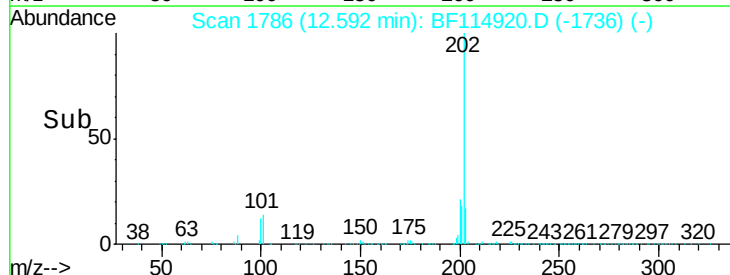
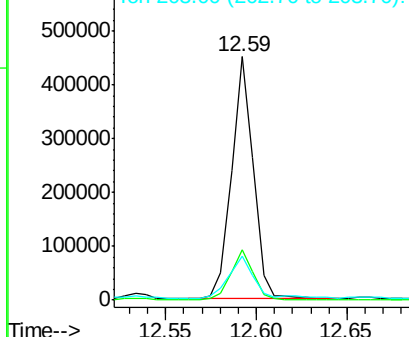


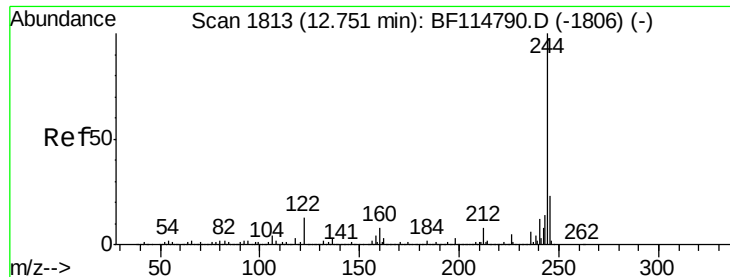
#78
Pyrene
Concen: 8.092 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

Tgt Ion:202 Resp: 376721
Ion Ratio Lower Upper
202 100
200 20.9 19.2 28.8
203 18.3 15.9 23.9



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: 41.600 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

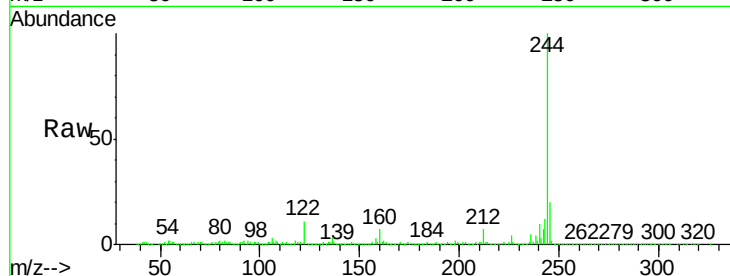
Tot Ion:244 Resp: 1147994

Ion Ratio Lower Upper

244 100

212 6.6 6.5 9.7

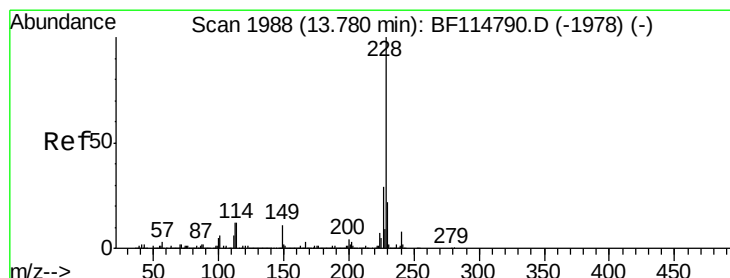
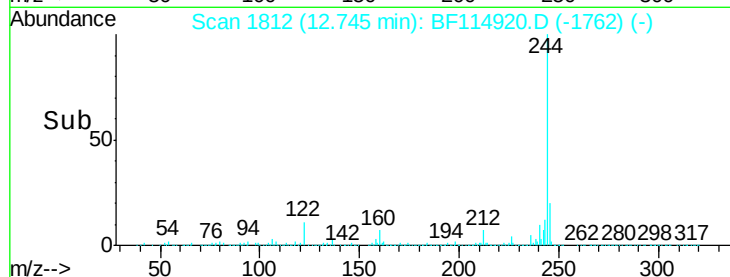
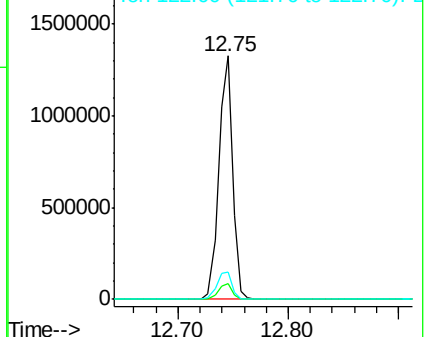
122 11.0 10.5 15.7



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: 5.794 ng m

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

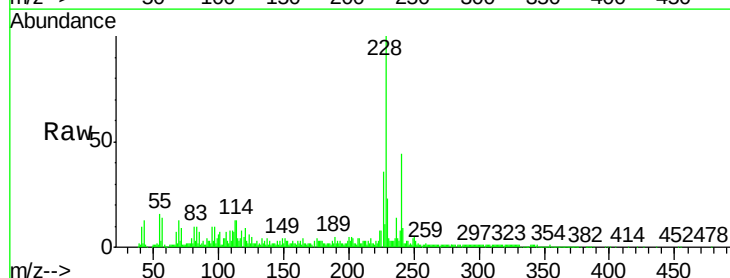
Tgt Ion:228 Resp: 239628

Ion Ratio Lower Upper

228 100

226 35.9 23.4 35.2#

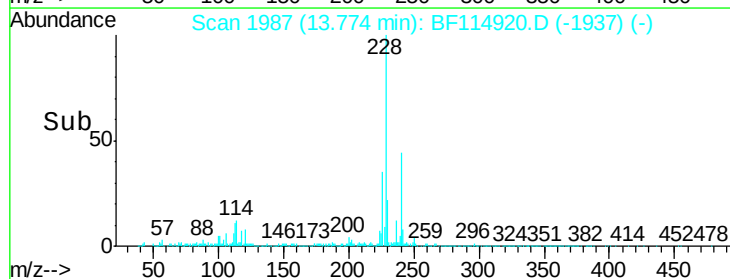
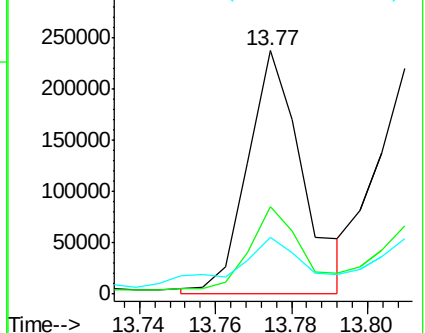
229 23.2 17.4 26.0

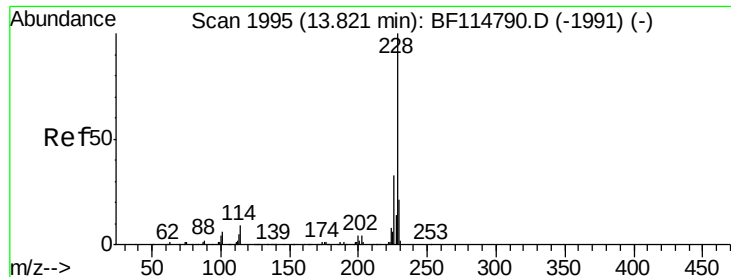


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.214 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

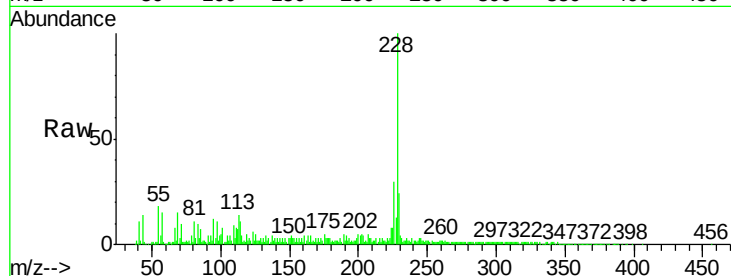
Tot Ion:228 Resp: 209779

Ion Ratio Lower Upper

228 100

226 30.0 26.0 39.0

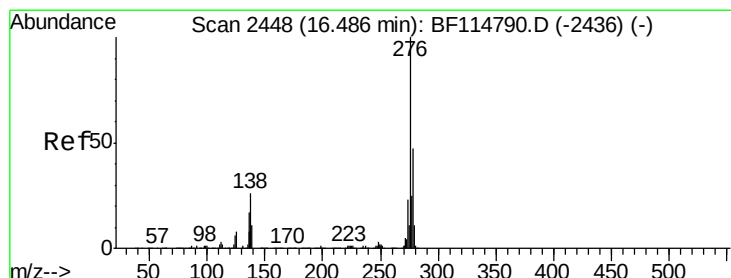
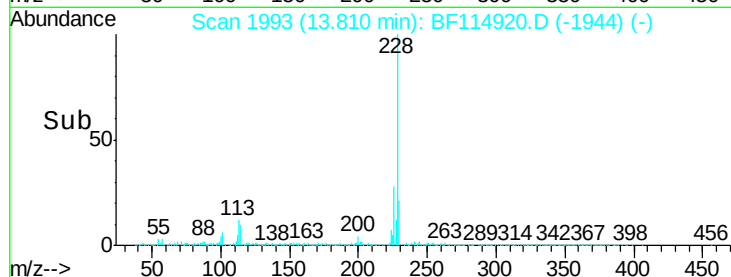
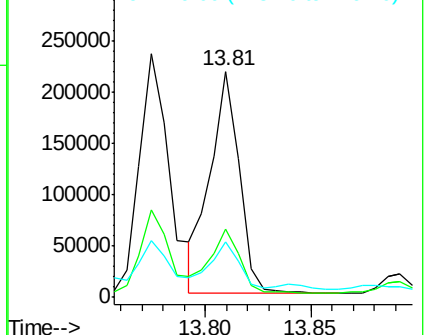
229 24.4 17.1 25.7



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: 2.284 ng

RT: 16.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

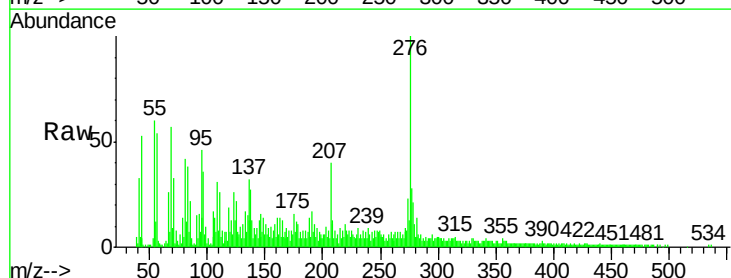
Tgt Ion:276 Resp: 104866

Ion Ratio Lower Upper

276 100

138 24.5 22.2 33.4

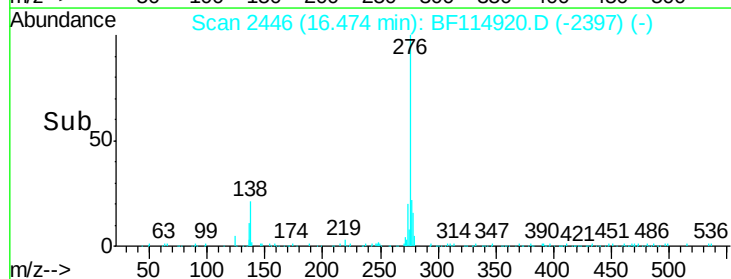
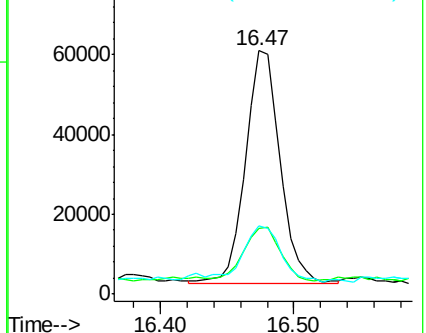
277 24.0 20.6 30.8

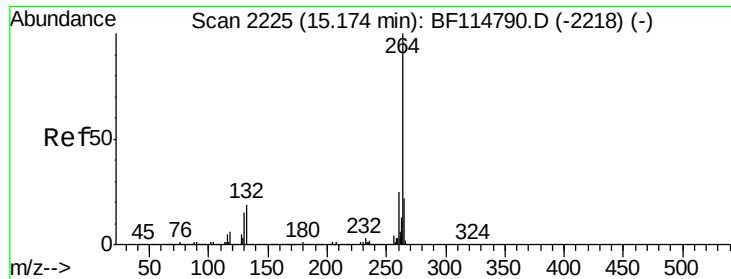


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.17 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

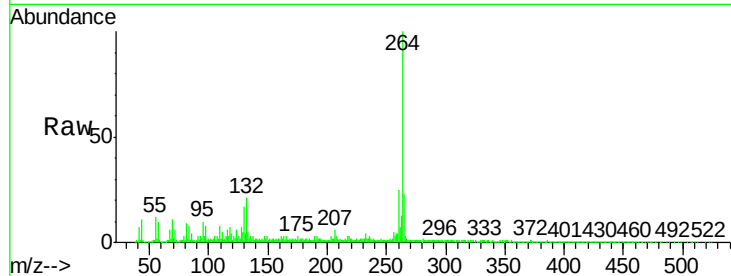
Tot Ion:264 Resp: 439945

Ion Ratio Lower Upper

264 100

260 25.4 20.1 30.1

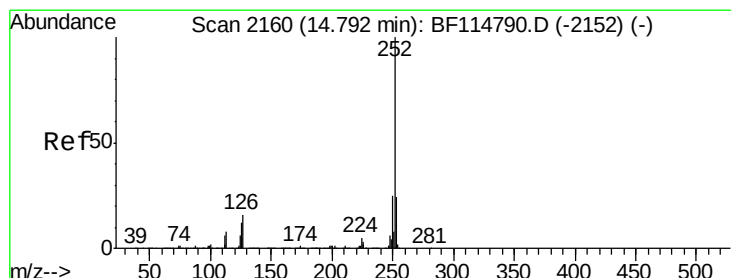
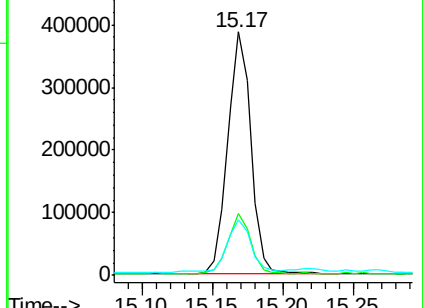
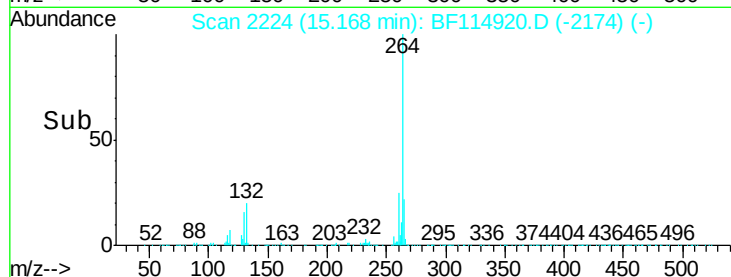
265 22.9 17.7 26.5



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: 8.800 ng m

RT: 14.79 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

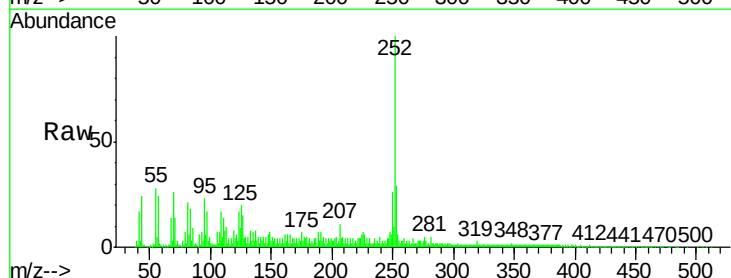
Tgt Ion:252 Resp: 246468

Ion Ratio Lower Upper

252 100

253 29.2 19.0 28.6#

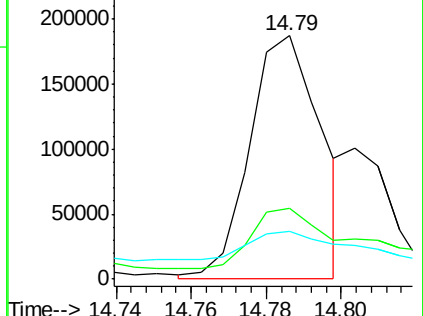
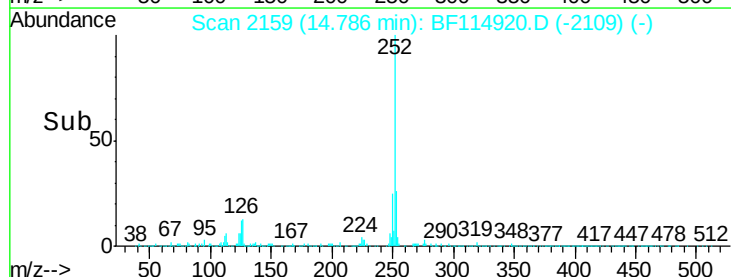
125 19.8 9.4 14.0#

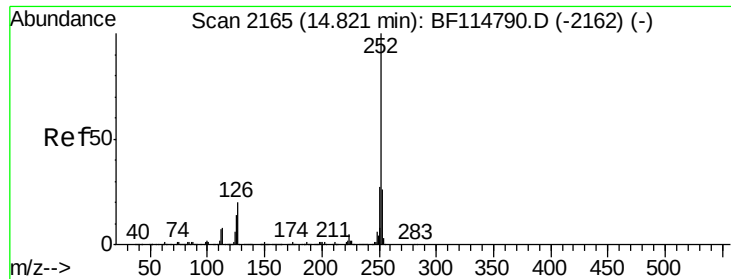


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.719 ng/mL

RT: 14.80 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

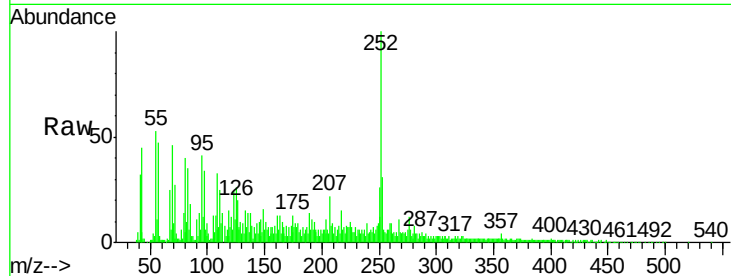
Tot Ion:252 Resp: 88446

Ion Ratio Lower Upper

252 100

253 30.8 19.3 28.9#

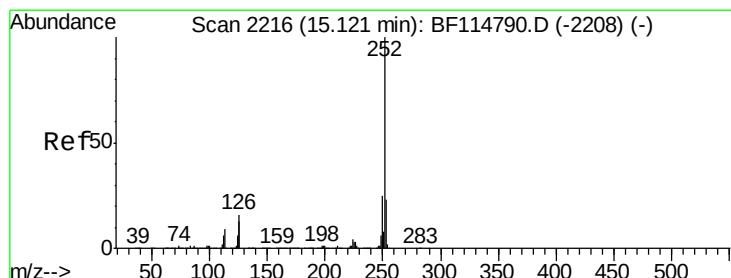
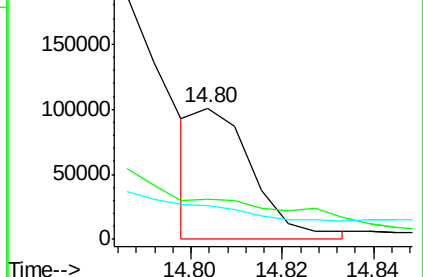
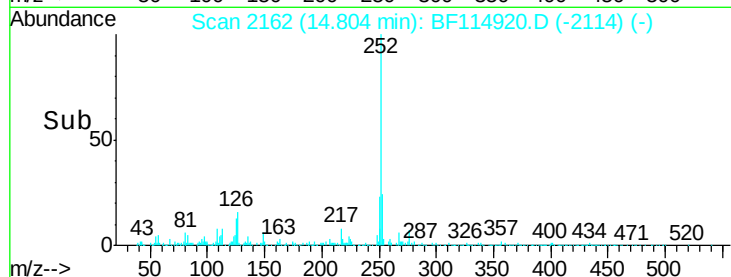
125 25.7 10.1 15.1#



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



#90

Benzo(a)pyrene

Concen: 6.295 ng/mL

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

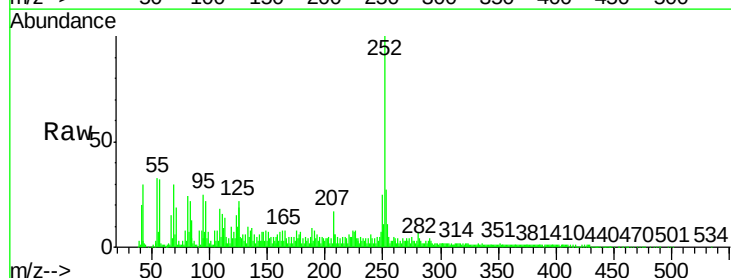
Tgt Ion:252 Resp: 152611

Ion Ratio Lower Upper

252 100

253 26.8 18.5 27.7

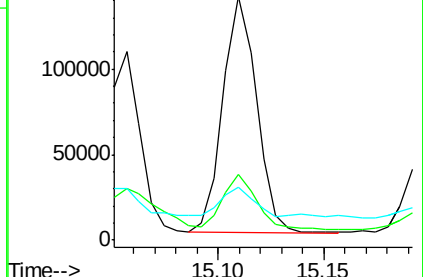
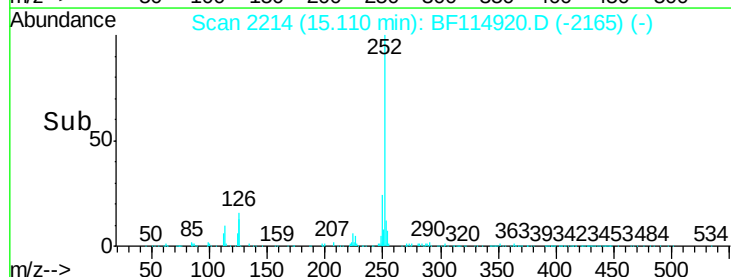
125 21.9 10.1 15.1#

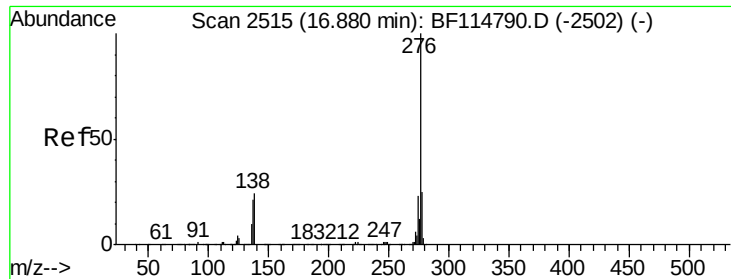


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 4.242 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

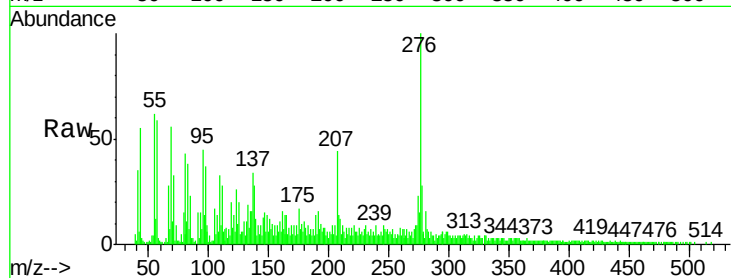
Tot Ion: 276 Resp: 97927

Ion Ratio Lower Upper

276 100

277 28.4 19.8 29.6

138 28.1 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

