

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 06:47:48 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

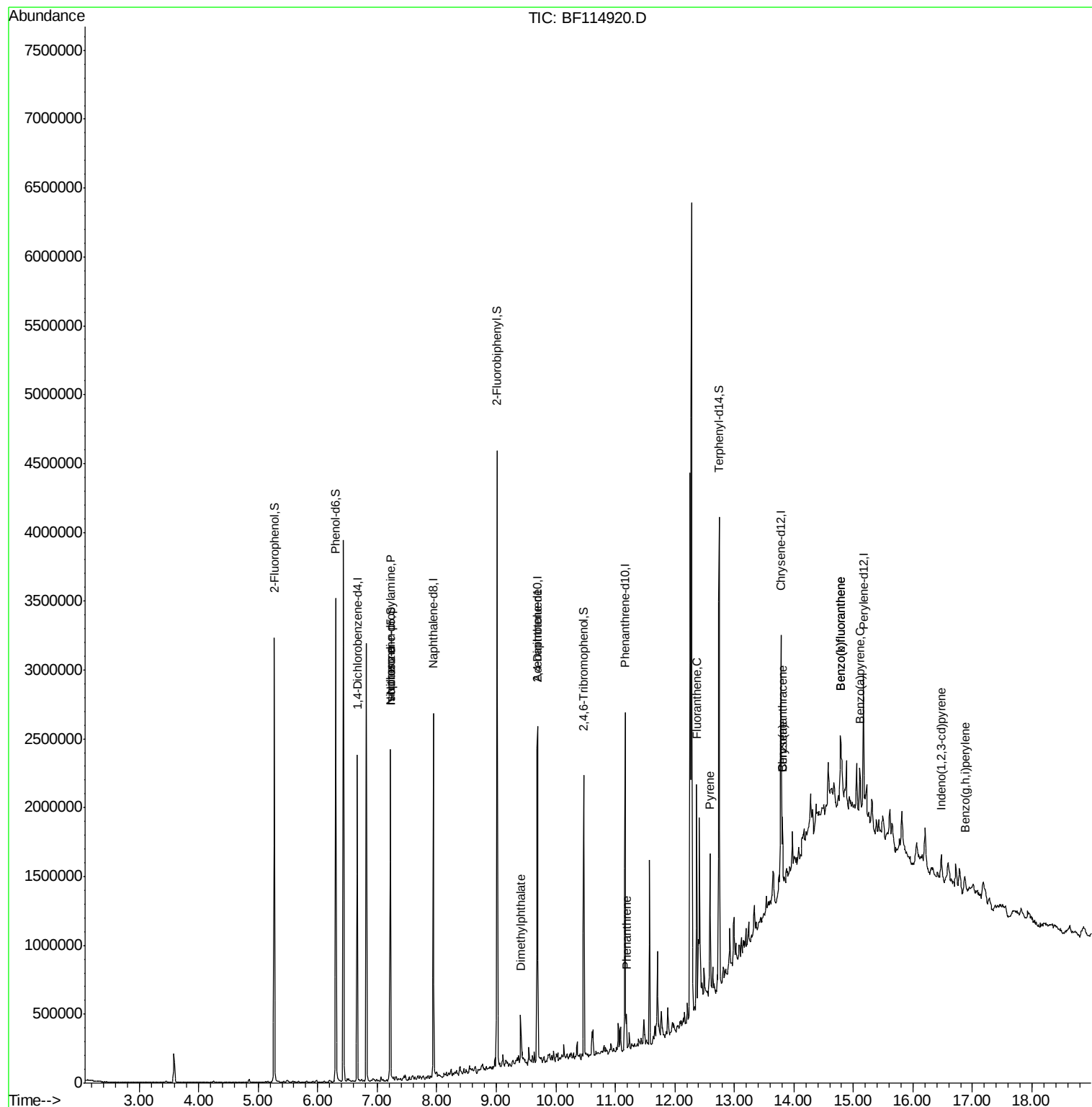
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	93395	6.048	ng	# 77
25) Isophorone	7.22	82	676286	17.418	ng	# 61
50) Dimethylphthalate	9.41	163	119771	3.299	ng	97
57) 2,4-Dinitrotoluene	9.69	165	65702	6.122	ng	# 33
58) Fluorene	10.23	166	9105	Below Cal		# 92
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	13.81	228	209779	5.072	ng	97
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	319642	11.413	ng	# 86
89) Benzo(k)fluoranthene	14.79	252	319642	13.439	ng	# 87
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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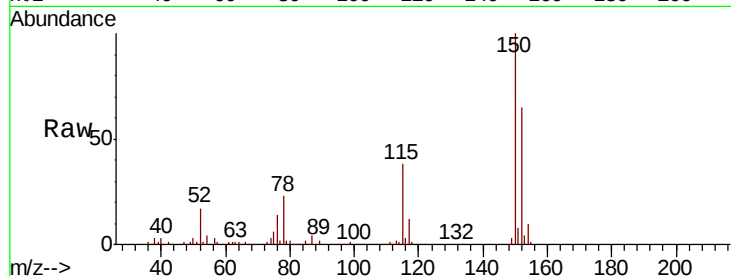


#1

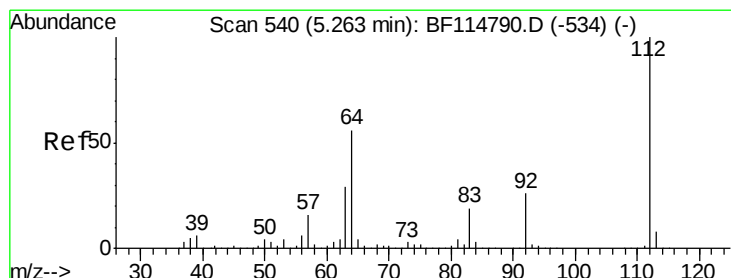
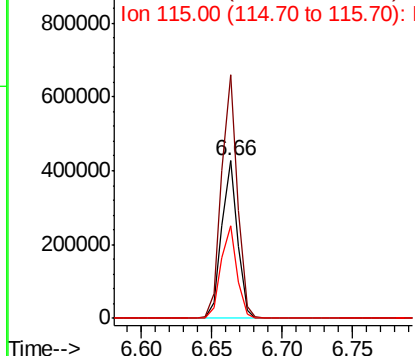
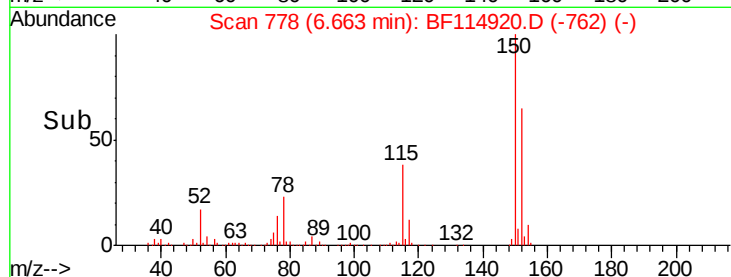
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

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

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



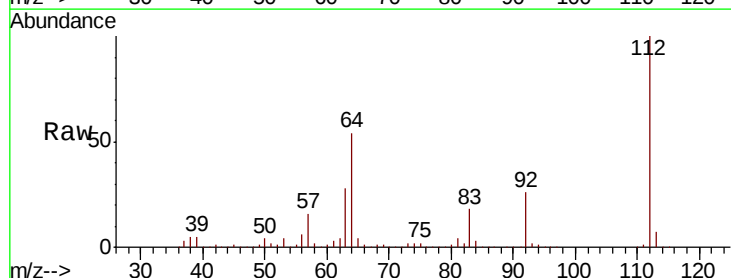
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



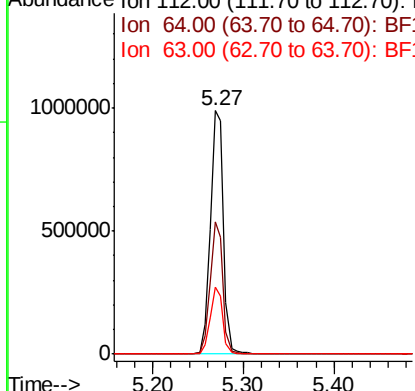
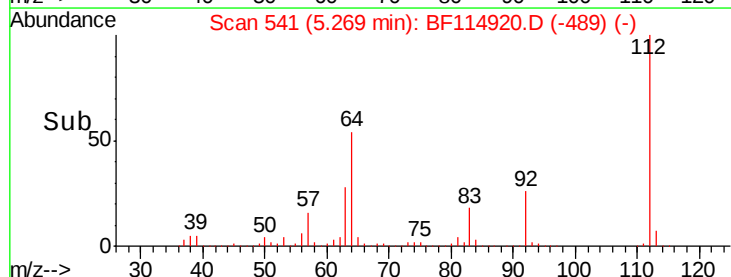
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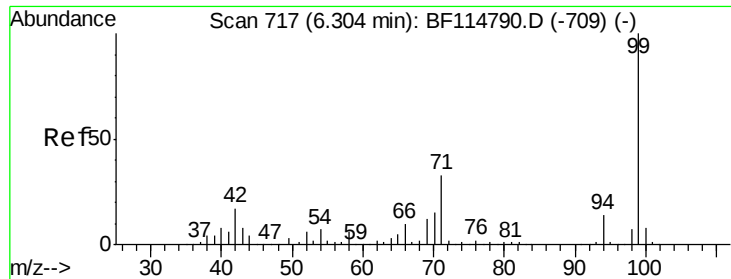
2-Fluorophenol
Concen: 52.625 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

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

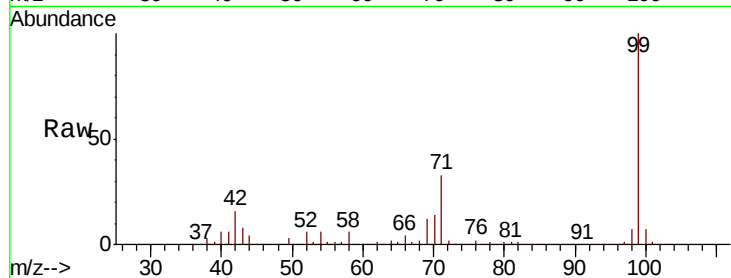
Tgt Ion: 99 Resp: 1234558

Ion Ratio Lower Upper

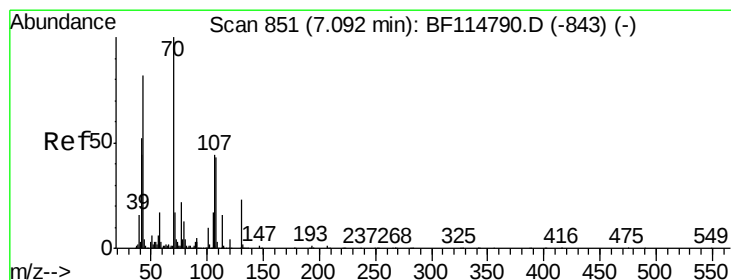
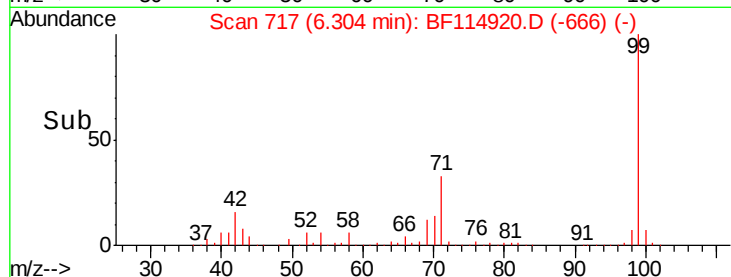
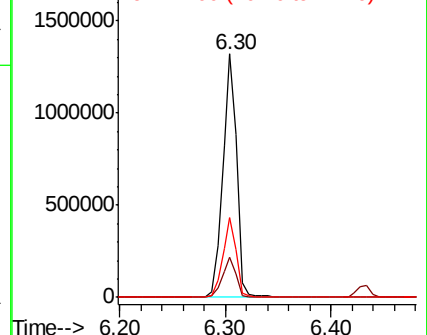
99 100

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



#19

n-Nitroso-di-n-propylamine

Concen: 6.048 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Tgt Ion: 70 Resp: 93395

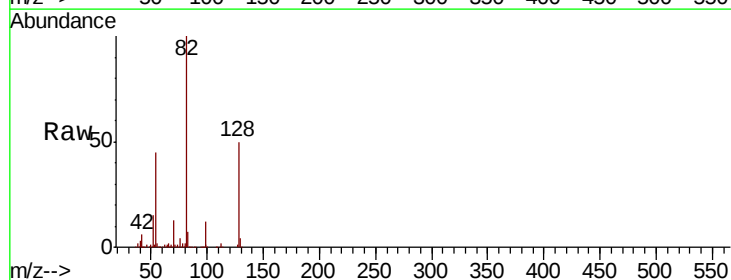
Ion Ratio Lower Upper

70 100

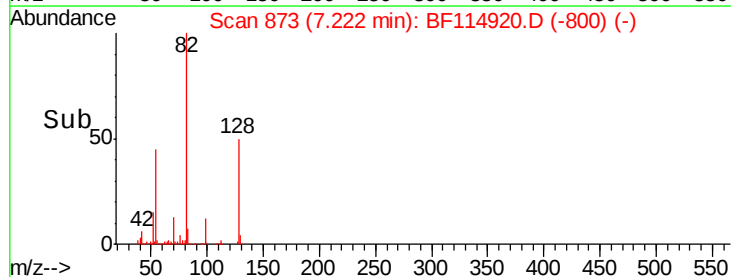
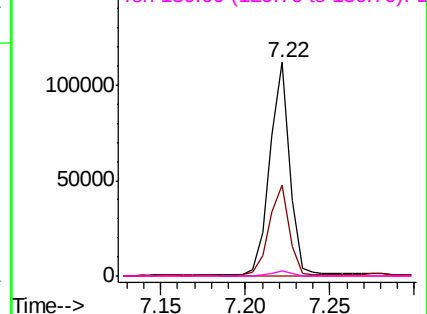
42 42.5 41.8 62.8

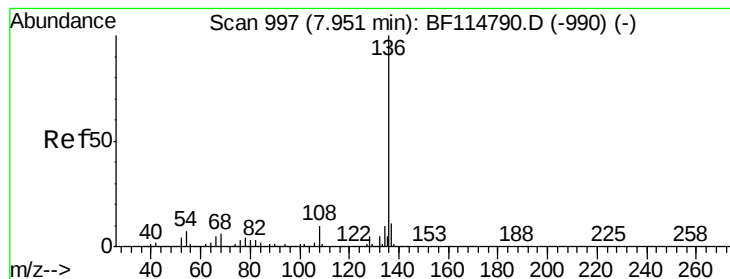
101 0.0 8.2 12.4#

130 2.2 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): 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

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

Tgt Ion:136 Resp: 1208998

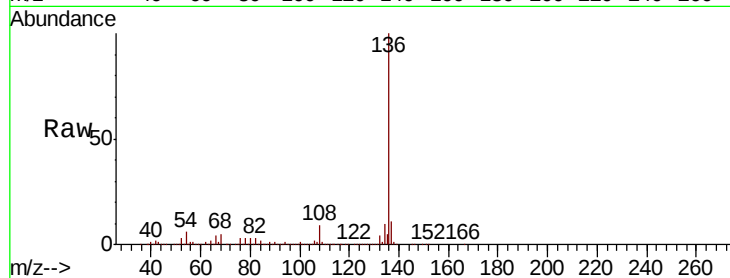
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.2 5.4 8.0

68 5.3 4.6 6.8

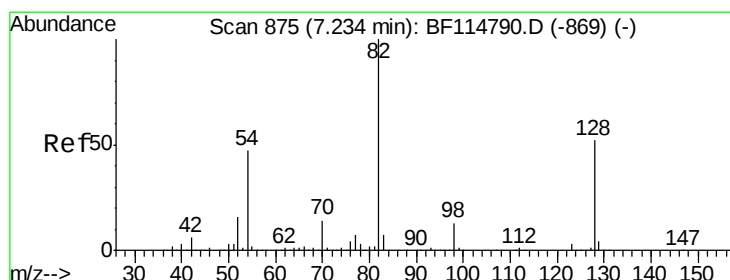
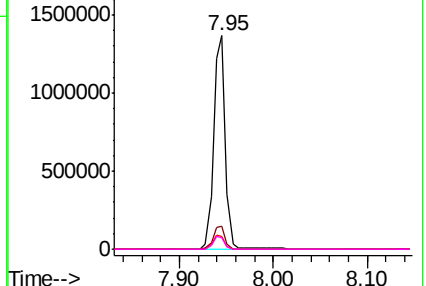
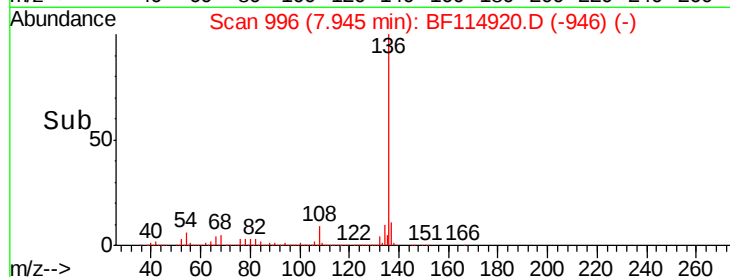


Abundance Ion 136.00 (135.70 to 136.70): E

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

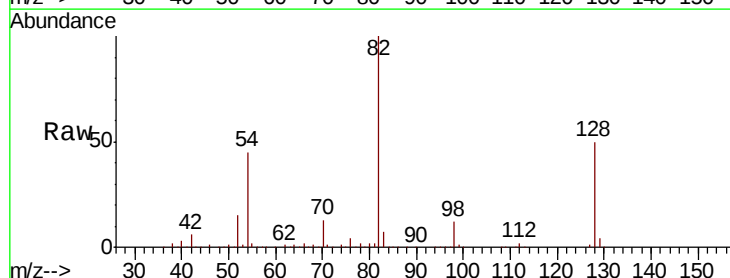
Tgt Ion: 82 Resp: 693642

Ion Ratio Lower Upper

82 100

128 50.1 41.8 62.6

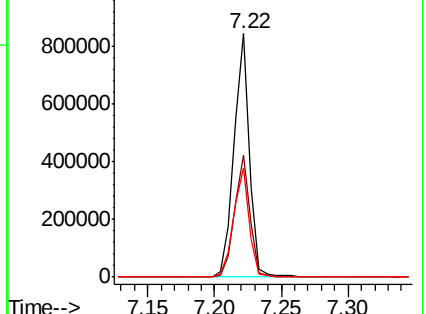
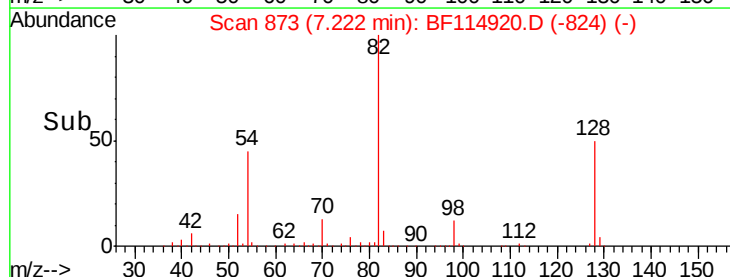
54 44.7 37.9 56.9

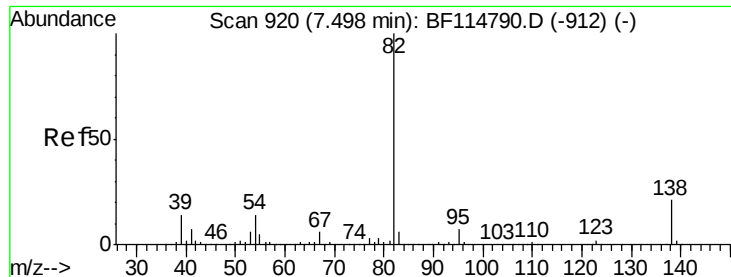


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.418 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.28 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

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ClientSampleId :

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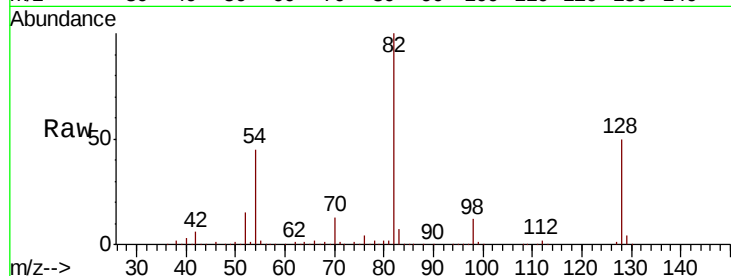
Tgt Ion: 82 Resp: 676286

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

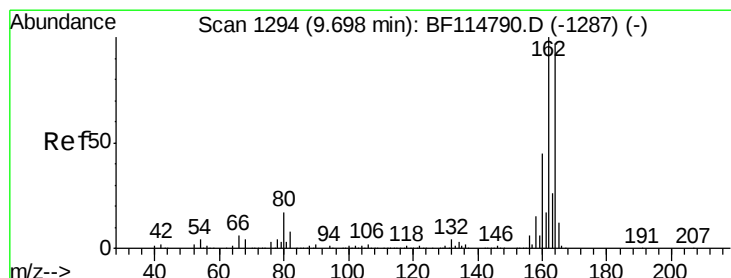
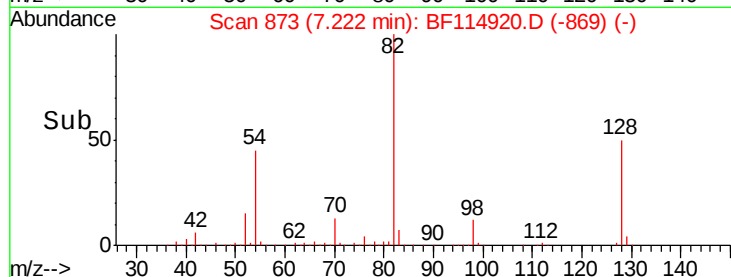
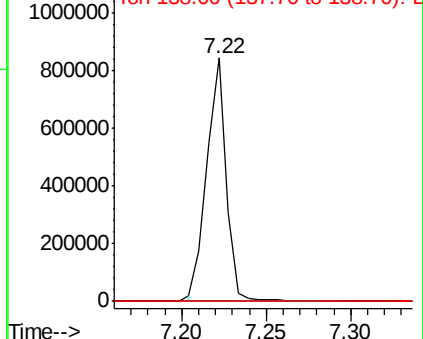
138 0.0 16.9 25.3#



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: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

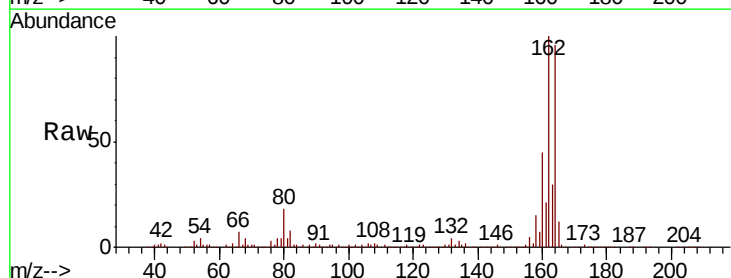
Tgt Ion: 164 Resp: 497024

Ion Ratio Lower Upper

164 100

162 103.8 82.3 123.5

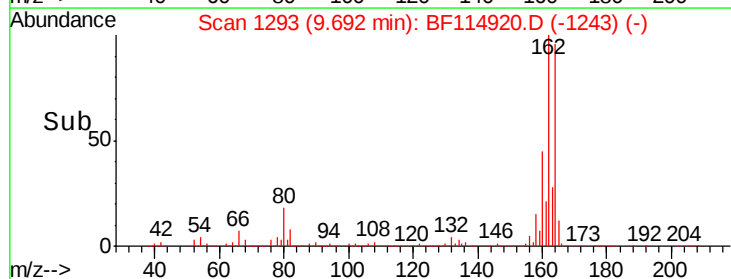
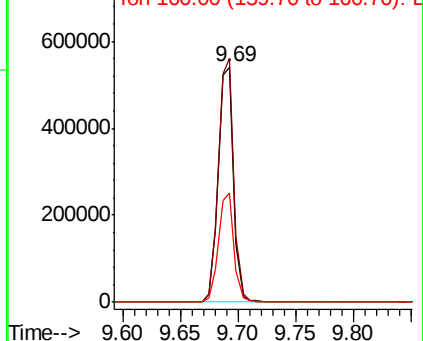
160 46.8 36.7 55.1

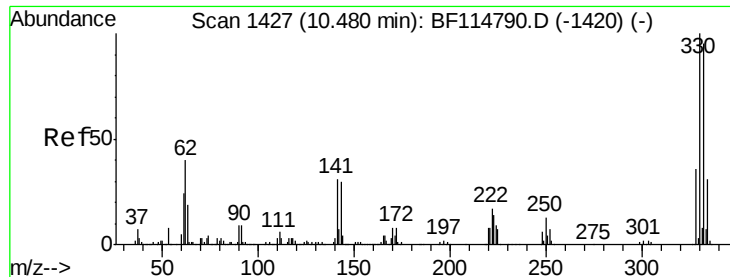


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 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 :

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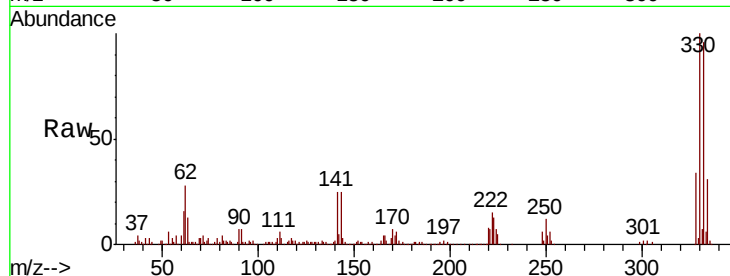
Tgt Ion:330 Resp: 250132

Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

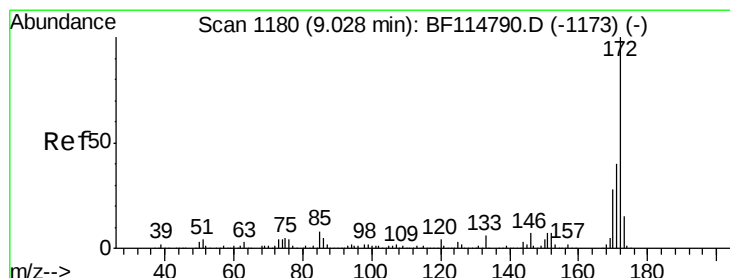
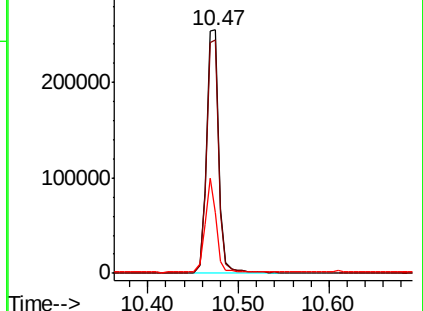
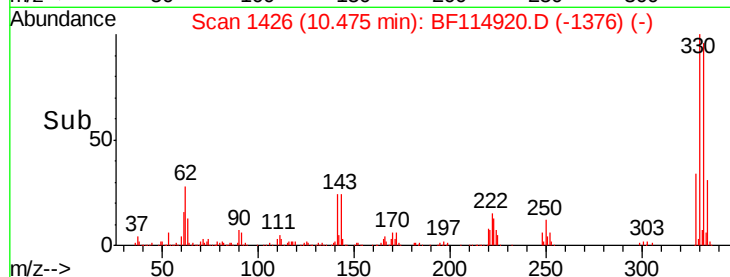
141 34.1 26.2 39.4



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

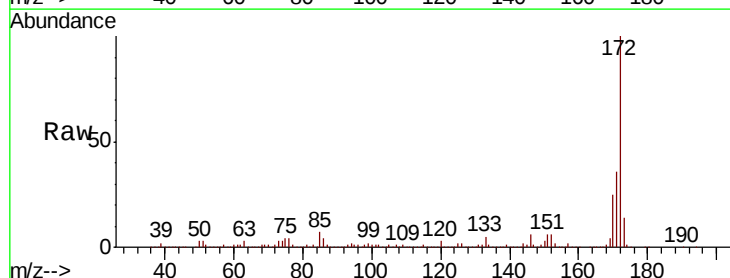
Tgt Ion:172 Resp: 1292101

Ion Ratio Lower Upper

172 100

171 35.5 32.3 48.5

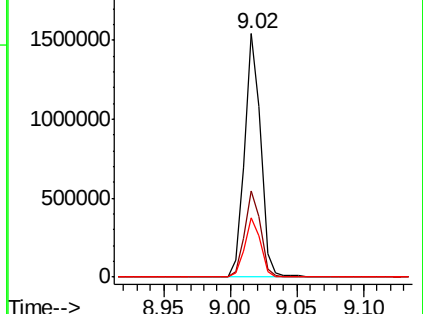
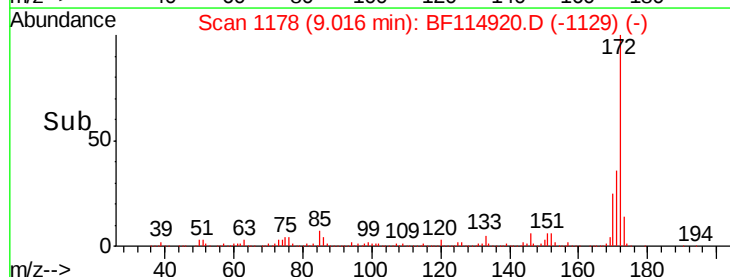
170 24.5 22.4 33.6

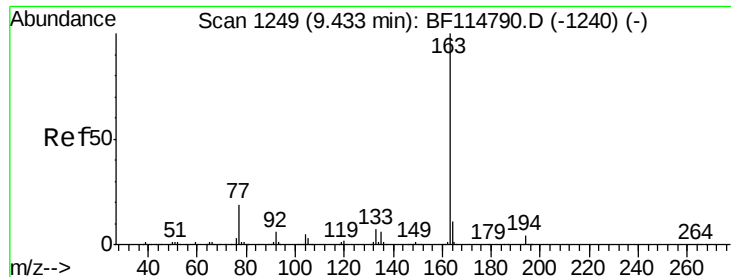


Abundance Ion 172.00 (171.70 to 172.70): E

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

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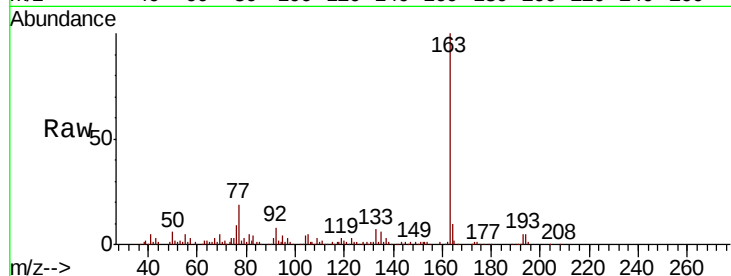
Tgt Ion:163 Resp: 119771

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

164 9.6 8.6 13.0

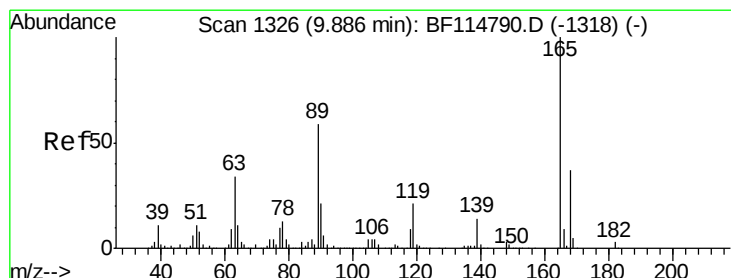
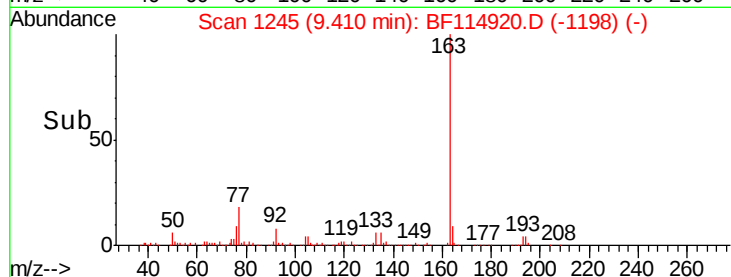
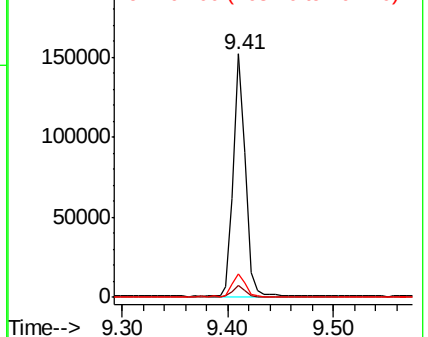


Abundance

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



#57

2,4-Dinitrotoluene

Concen: 6.122 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.20 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Tgt Ion:165 Resp: 65702

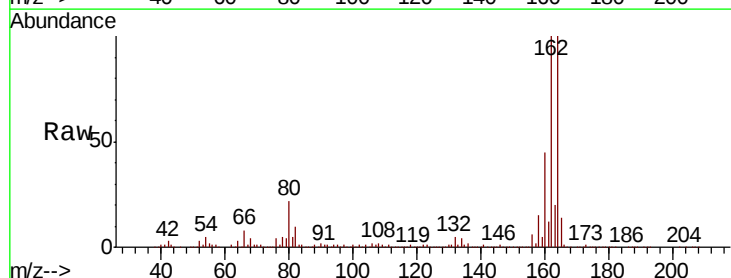
Ion Ratio Lower Upper

165 100

63 1.7 27.0 40.4#

89 1.6 47.0 70.6#

182 1.3 2.2 3.2#



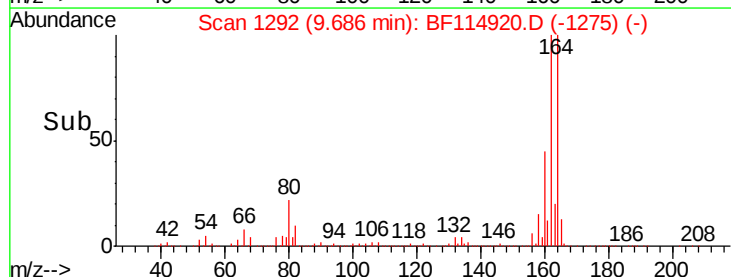
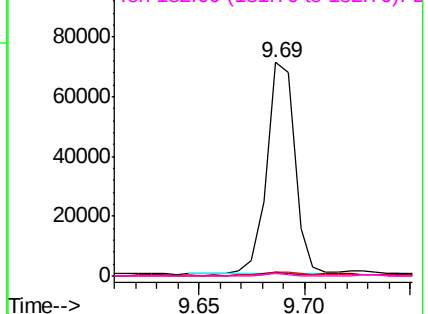
Abundance

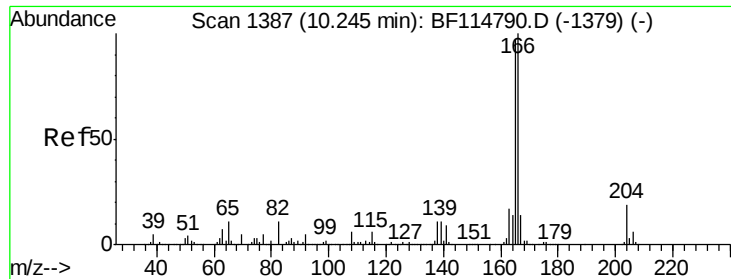
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: Below Cal

RT: 10.23 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

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ClientSampleId :

EO-02-060619-A

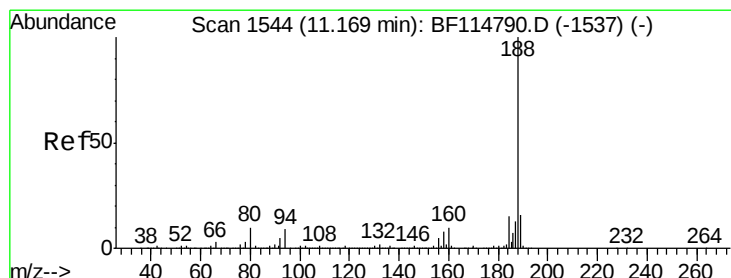
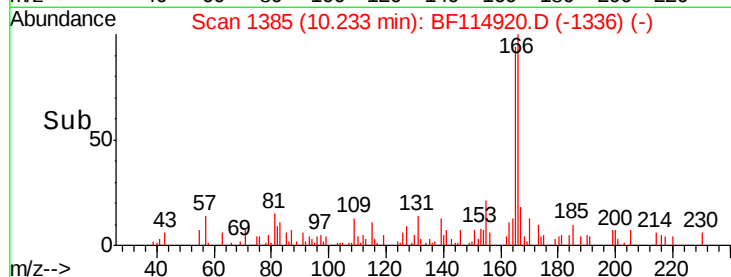
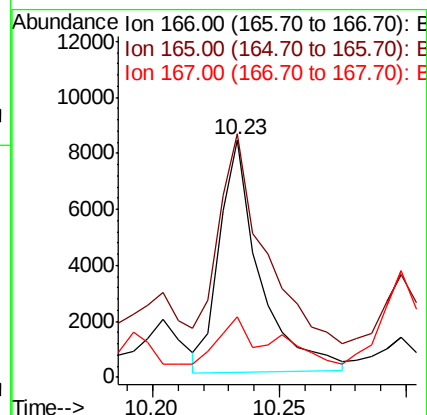
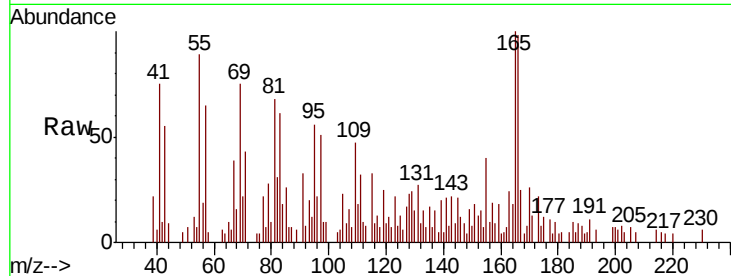
Tgt Ion:166 Resp: 9105

Ion Ratio Lower Upper

166 100

165 102.4 77.9 116.9

167 25.3 11.3 16.9#



#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

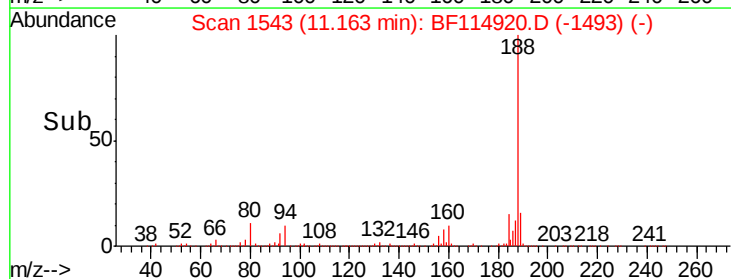
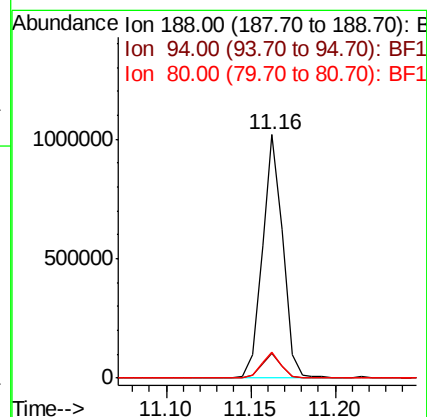
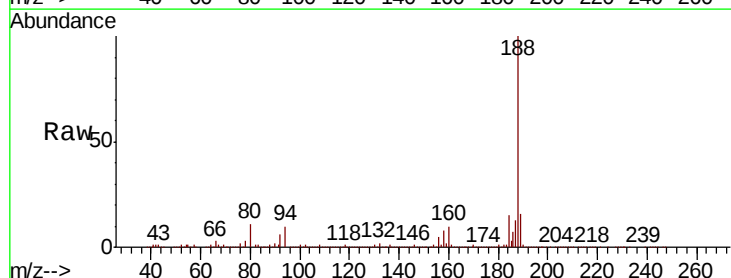
Tgt Ion:188 Resp: 857171

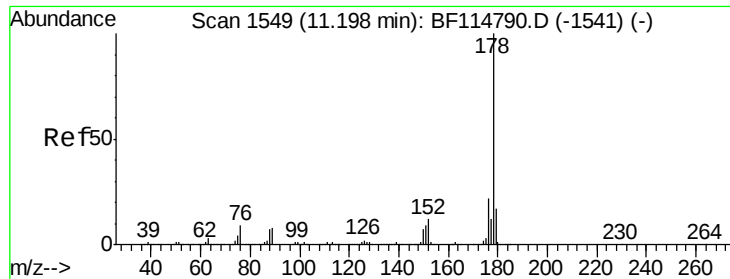
Ion Ratio Lower Upper

188 100

94 10.2 7.6 11.4

80 10.7 8.3 12.5

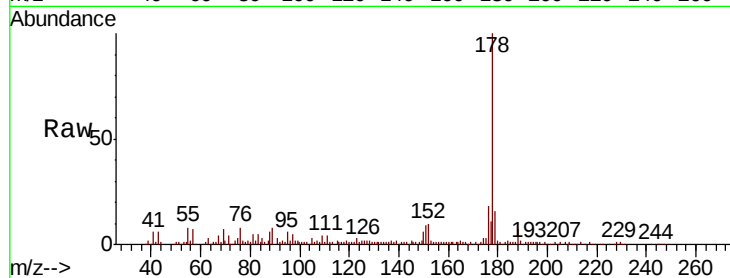




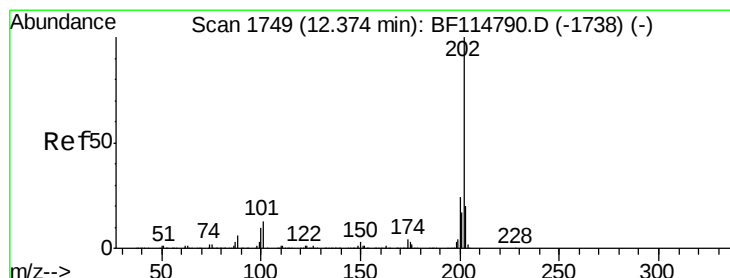
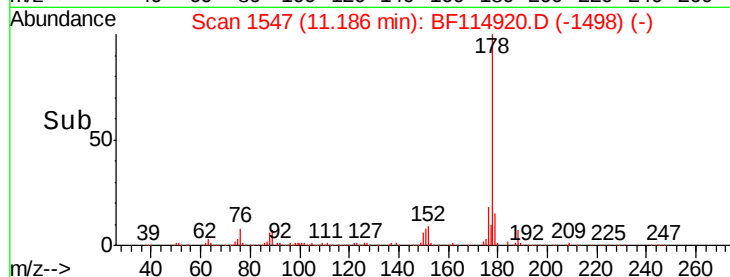
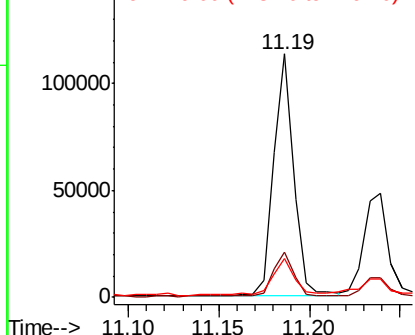
#71
Phenanthrene
Concen: 2.128 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

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

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

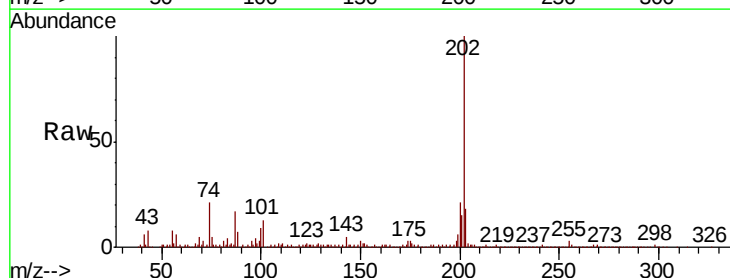


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

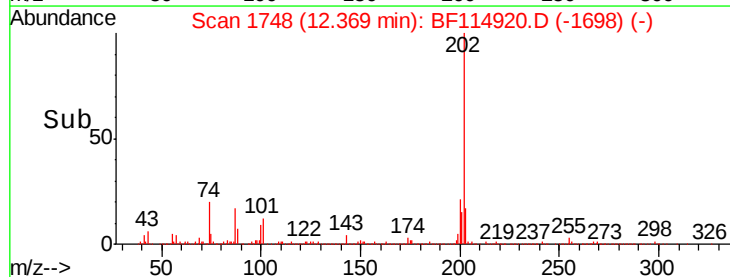
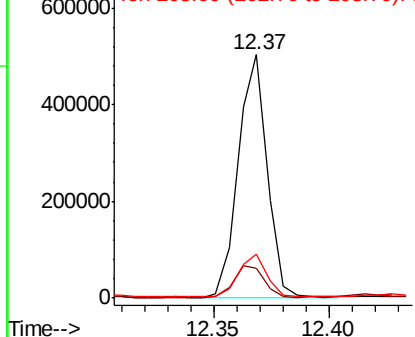


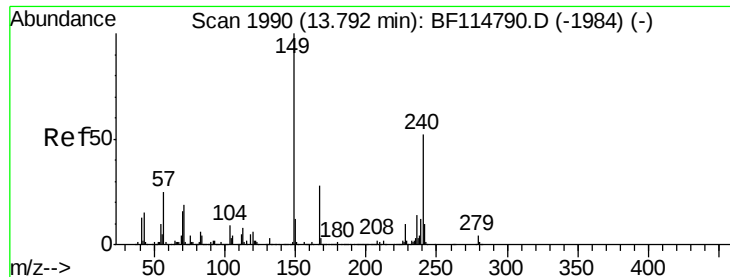
#75
Fluoranthene
Concen: 10.243 ng
RT: 12.37 min Scan# 1748
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

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



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: BF114920.D

Acq: 8 Jun 2019 4:57

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

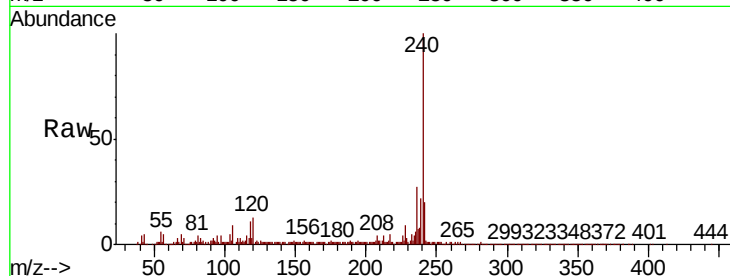
Tgt Ion:240 Resp: 536679

Ion Ratio Lower Upper

240 100

120 12.7 9.0 13.4

236 26.8 21.4 32.0

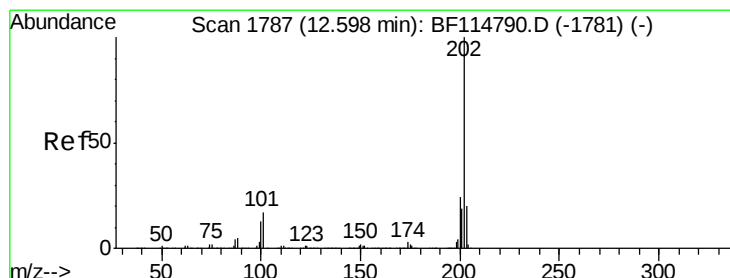
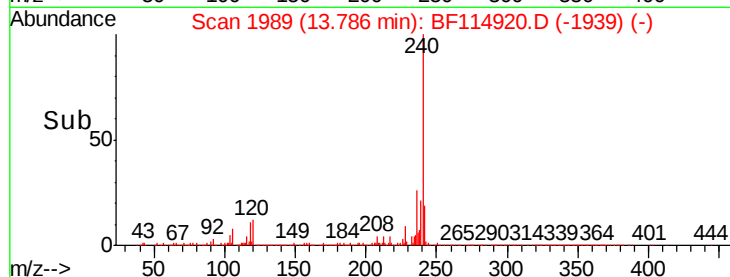
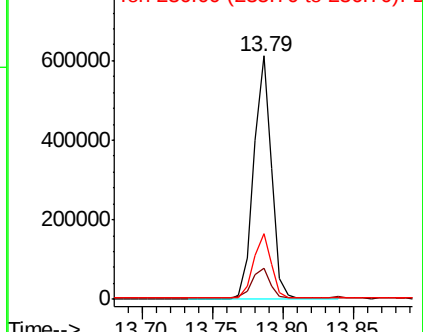


Abundance

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

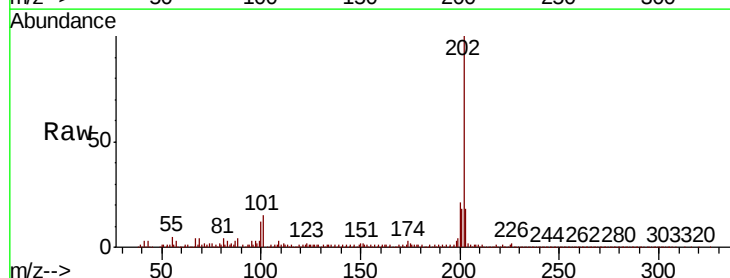
Tgt Ion:202 Resp: 376721

Ion Ratio Lower Upper

202 100

200 20.9 19.2 28.8

203 18.3 15.9 23.9

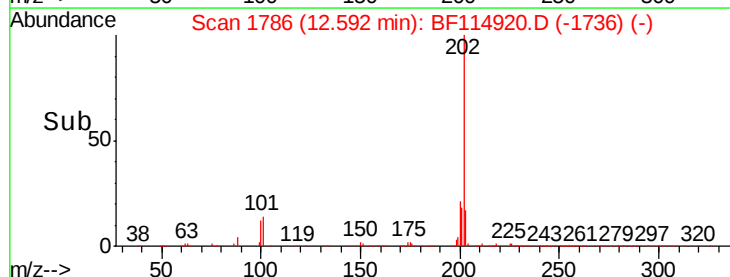
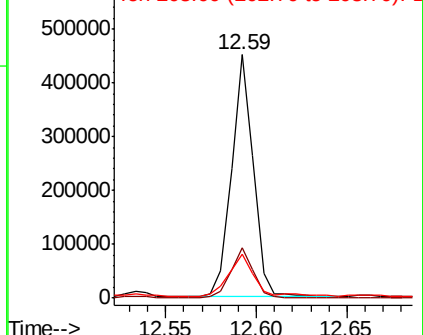


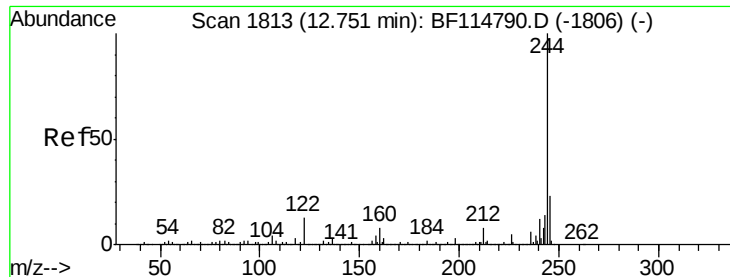
Abundance

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

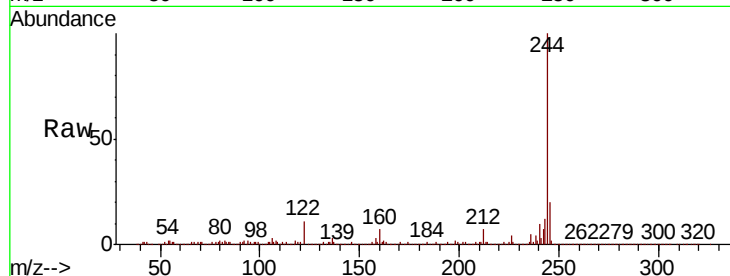
Tgt Ion:244 Resp: 1147994

Ion Ratio Lower Upper

244 100

212 6.6 6.5 9.7

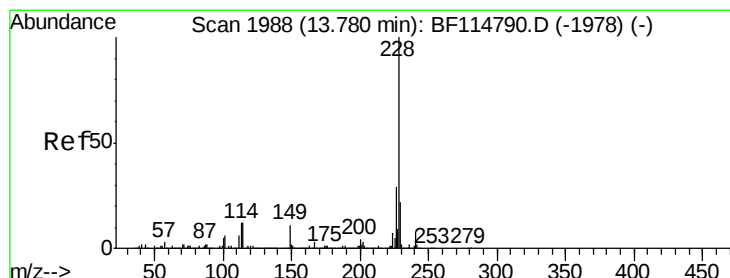
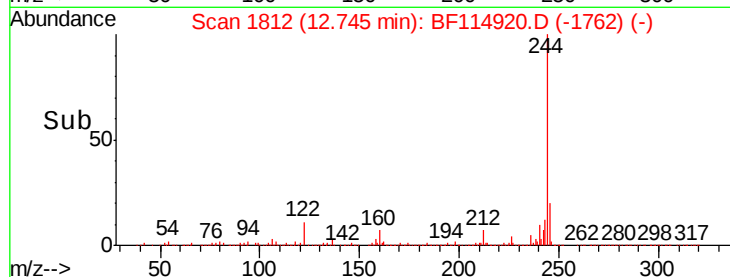
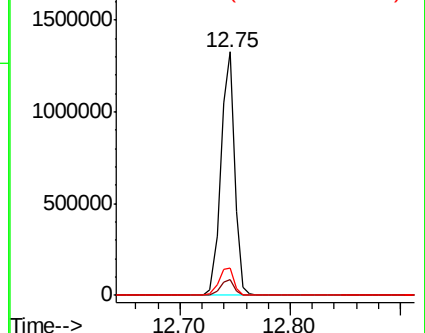
122 11.0 10.5 15.7



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: 5.072 ng

RT: 13.81 min Scan# 1993

Delta R.T. 0.03 min

Lab File: BF114920.D

Acq: 8 Jun 2019 4:57

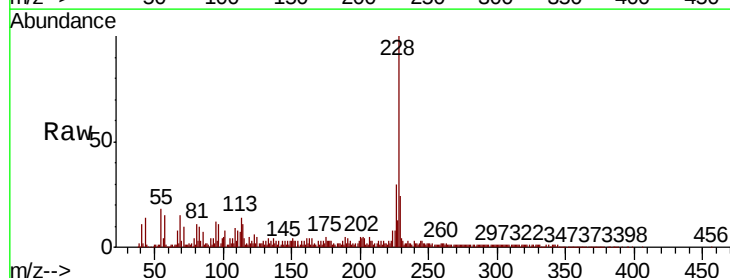
Tgt Ion:228 Resp: 209779

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

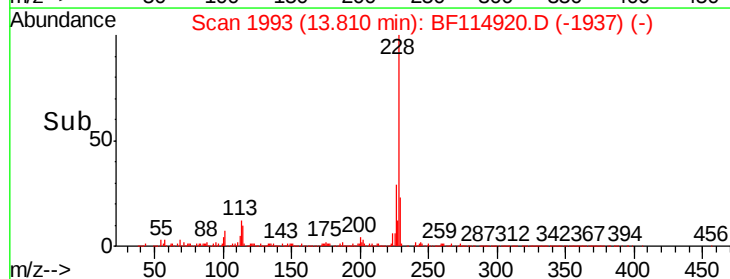
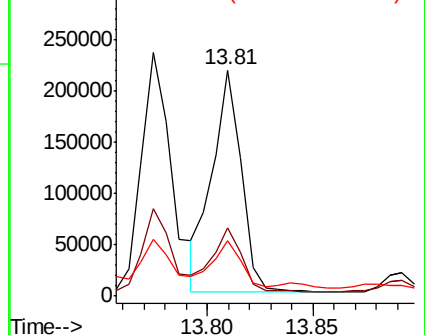
229 24.4 17.4 26.0

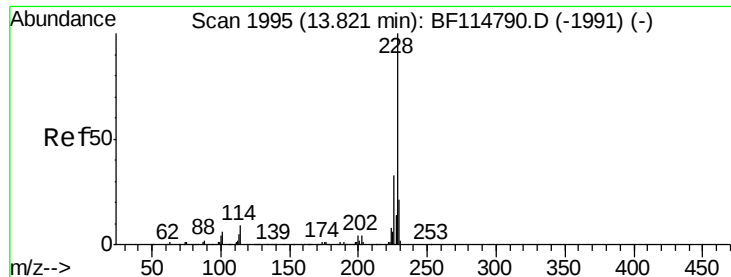


Abundance Ion 228.00 (227.70 to 228.70): E

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

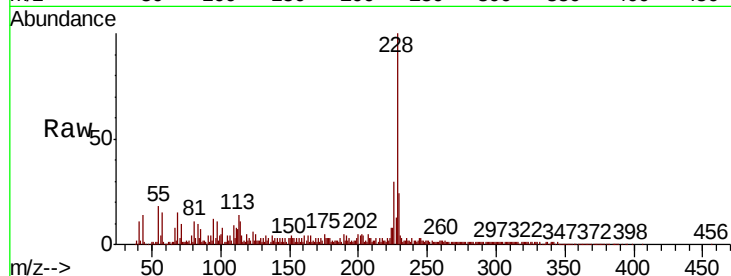
Tgt Ion: 228 Resp: 209779

Ion Ratio Lower Upper

228 100

226 30.0 26.0 39.0

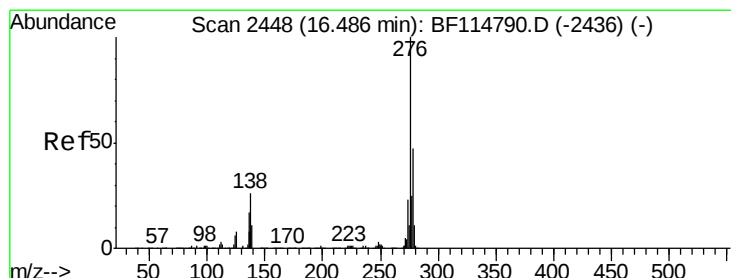
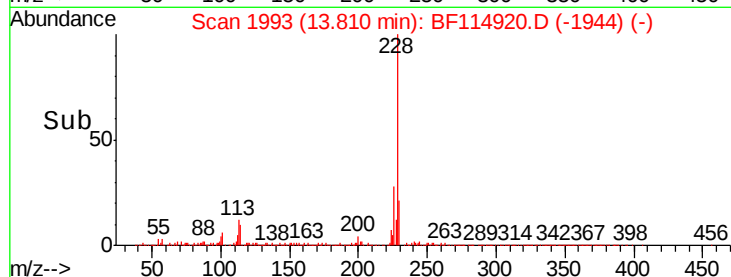
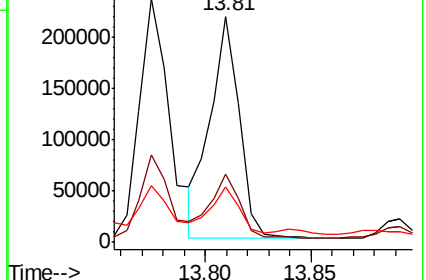
229 24.4 17.1 25.7



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

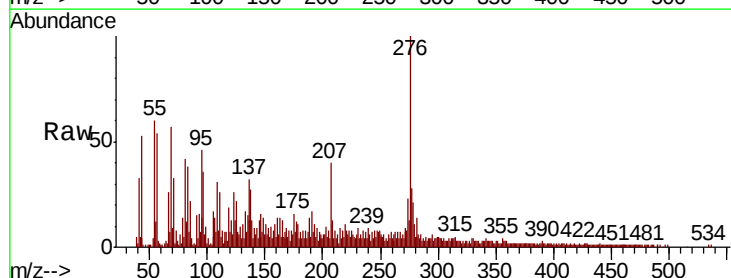
Tgt Ion: 276 Resp: 104866

Ion Ratio Lower Upper

276 100

138 24.5 22.2 33.4

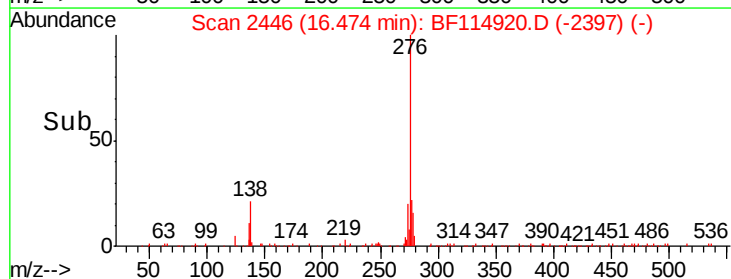
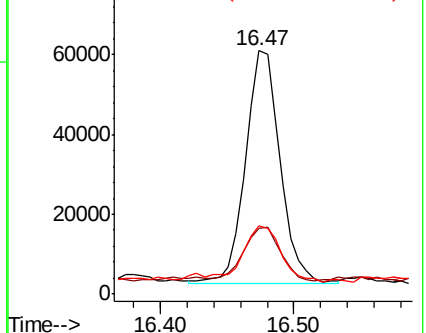
277 24.0 20.6 30.8

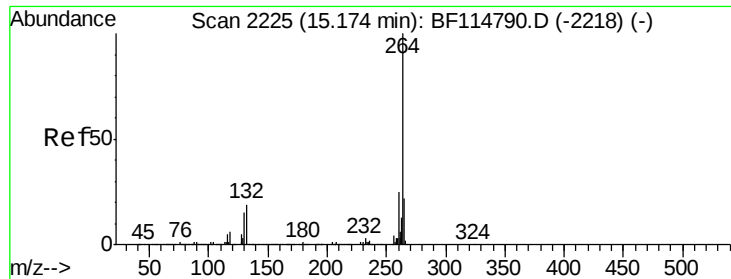


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

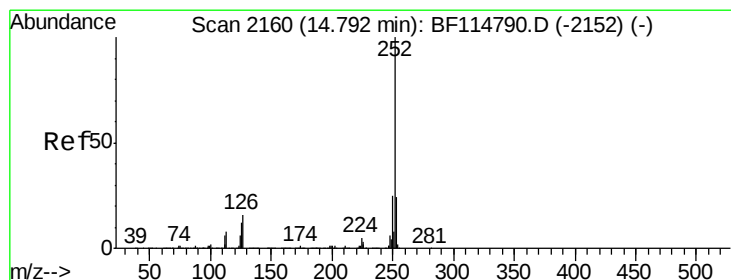
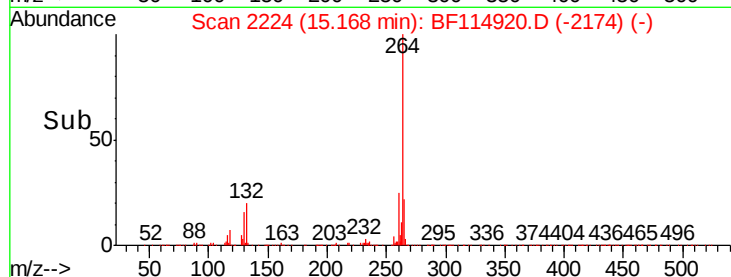
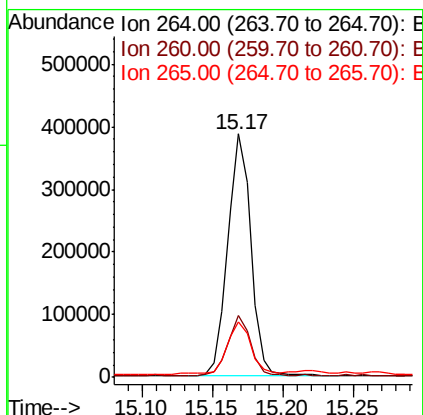
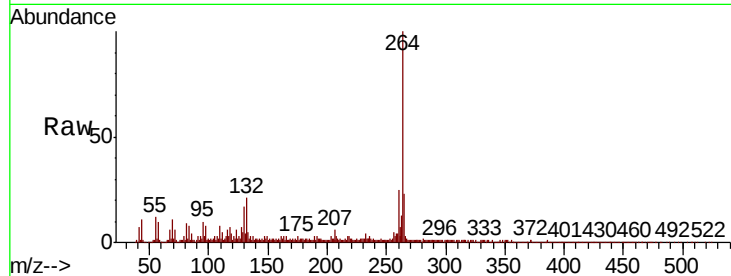




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

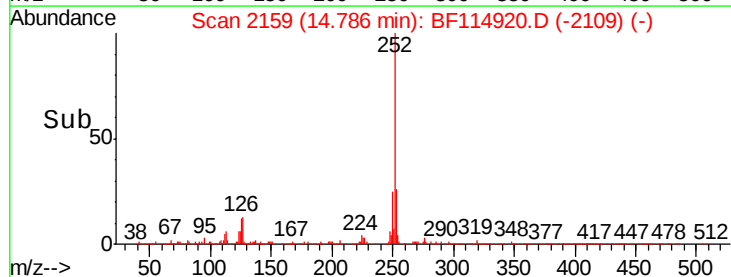
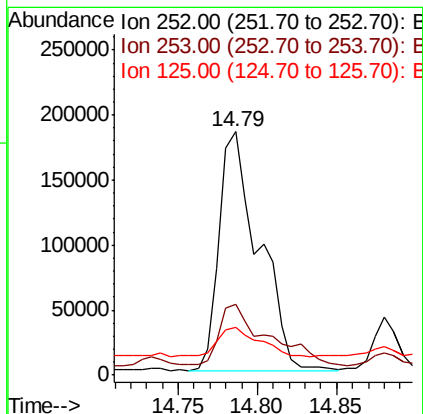
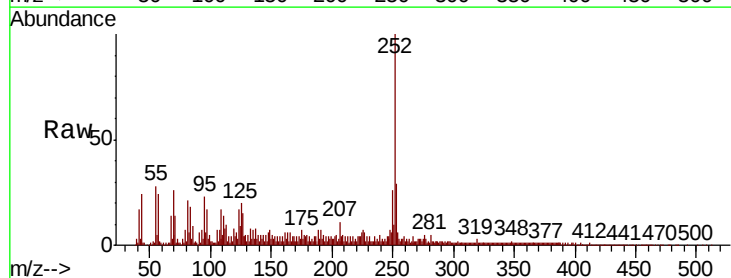
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-A

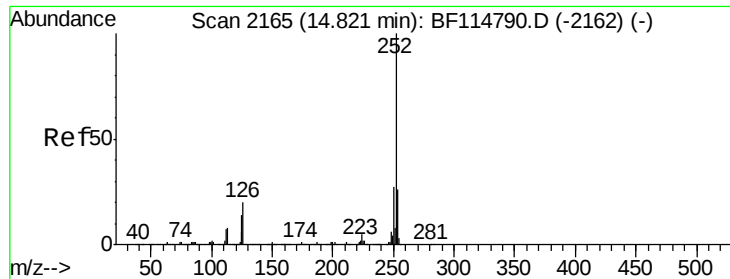
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	22.9	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 11.413 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	19.0	28.6#
125	19.8	9.4	14.0#

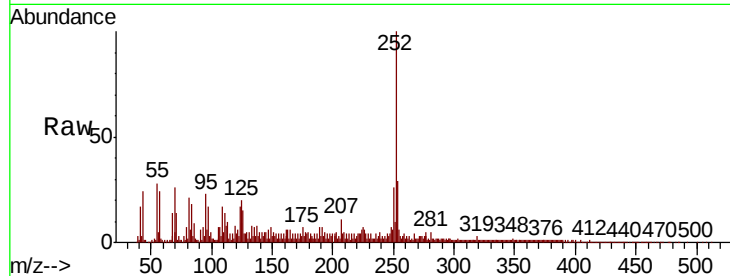




#89
Benzo(k)fluoranthene
Concen: 13.439 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.04 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	19.3	28.9#
125	19.8	10.1	15.1#

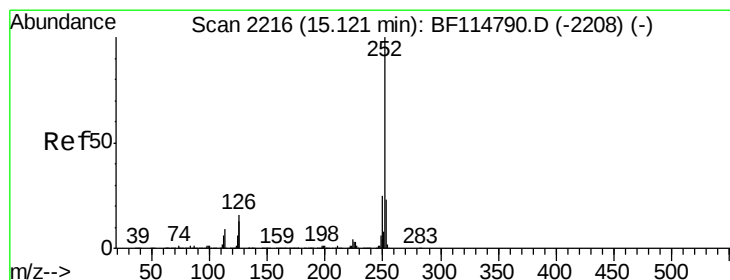
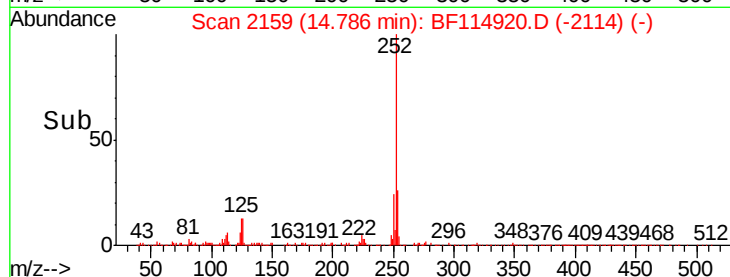
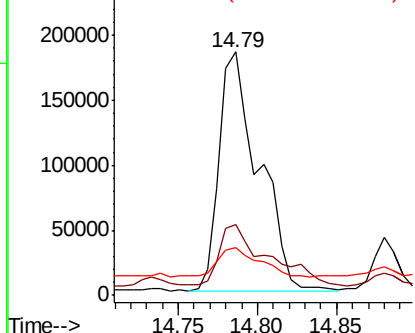


Abundance

Ion 252.00 (251.70 to 252.70): E

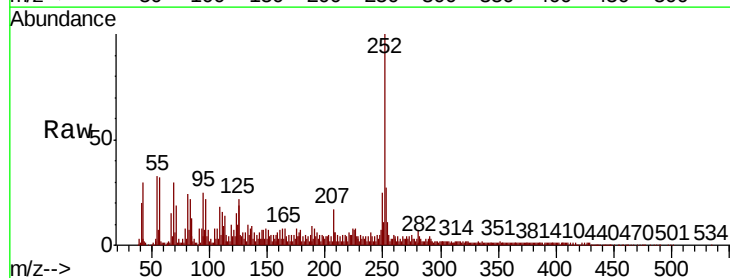
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 6.295 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114920.D
Acq: 8 Jun 2019 4:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.5	27.7
125	21.9	10.1	15.1#

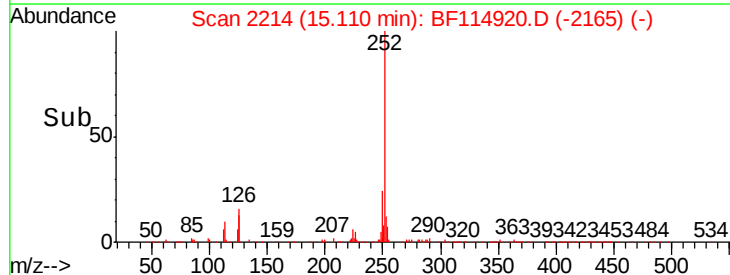
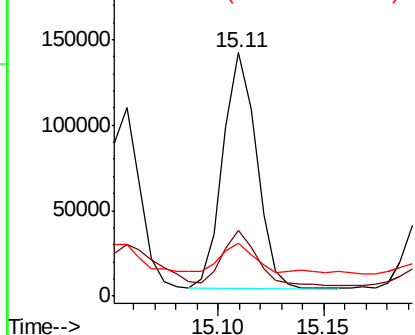


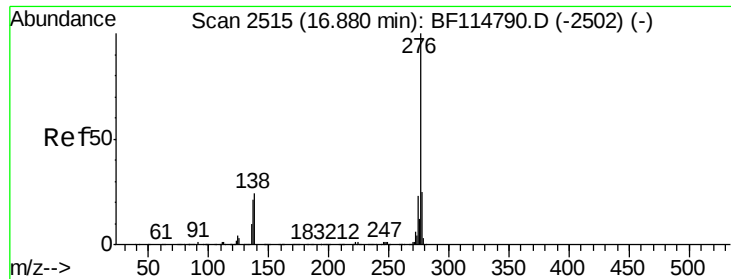
Abundance

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(g,h,i)perylene

Concen: 4.242 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.01 min

Lab File: BF114920.D

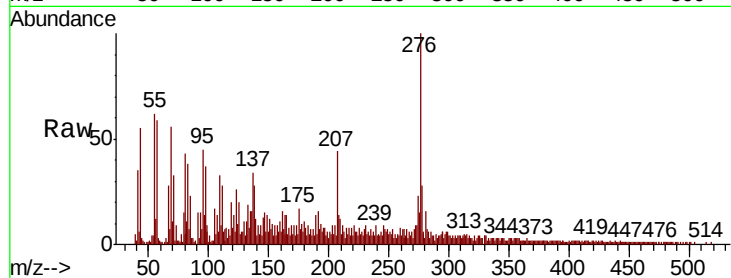
Acq: 8 Jun 2019 4:57

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A



Tgt Ion:	276	Resp:	97927
Ion	Ratio	Lower	Upper
276	100		
277	28.4	19.8	29.6
138	28.1	19.4	29.2

