

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060719\
 Data File : BF114914.D
 Acq On : 8 Jun 2019 2:18
 Operator : HP/JU
 Sample : K3158-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-060619

Quant Time: Jun 08 05:21:19 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	322874	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	1207633	20.00	ng	-0.01
39) Acenaphthene-d10	9.69	164	511618	20.00	ng	-0.01
64) Phenanthrene-d10	11.16	188	821825	20.00	ng	-0.01
76) Chrysene-d12	13.78	240	636857	20.00	ng	-0.01
87) Perylene-d12	15.16	264	539323	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	869029	47.03	ng	0.00
7) Phenol-d6	6.30	99	1060695	47.18	ng	0.00
23) Nitrobenzene-d5	7.22	82	614341	31.32	ng	-0.02
42) 2,4,6-Tribromophenol	10.47	330	212491	38.54	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1174287	43.00	ng	-0.01
79) Terphenyl-d14	12.74	244	969805	29.61	ng	-0.01

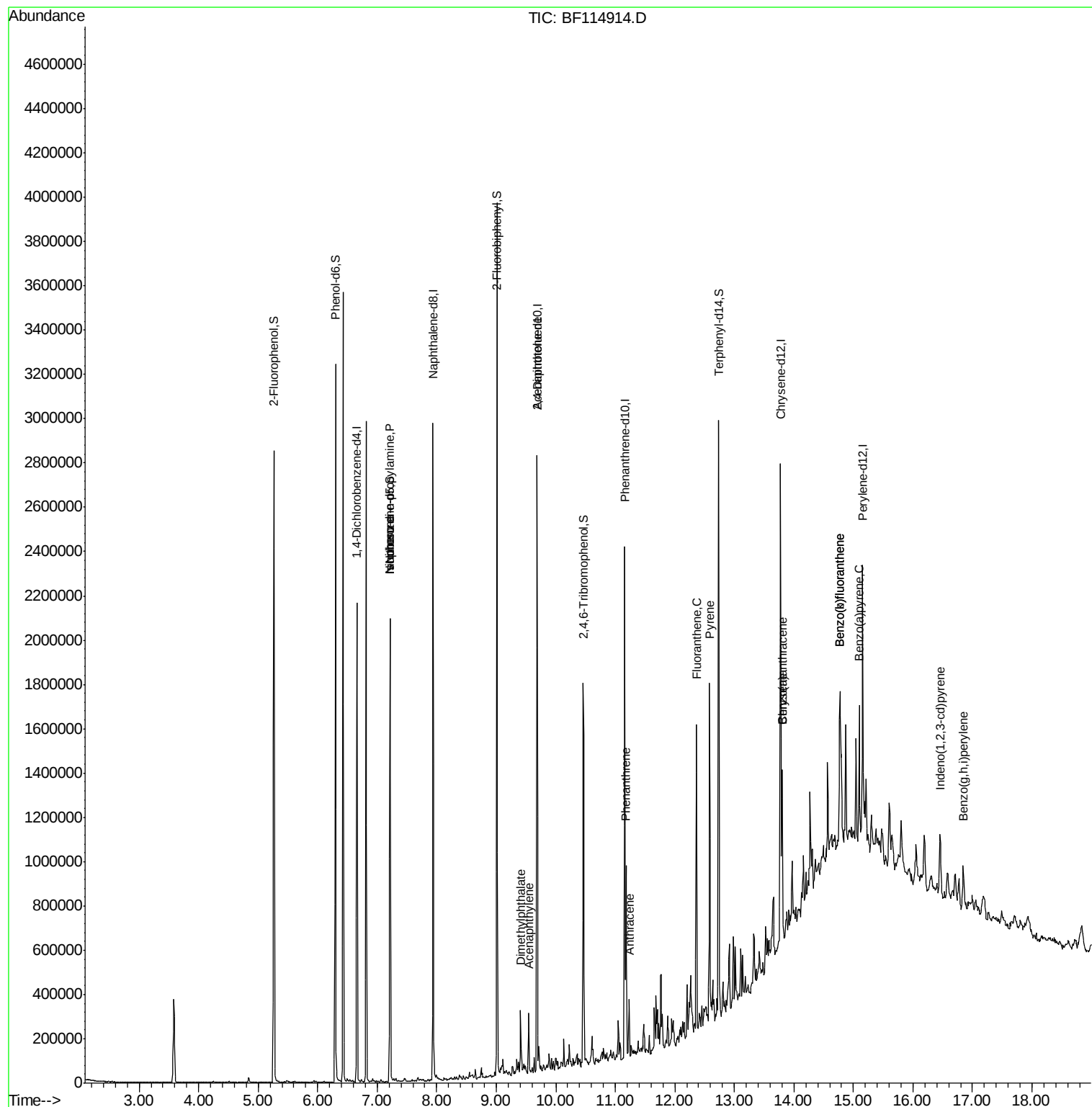
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	78800	5.294	ng	# 79
25) Isophorone	7.22	82	604864	15.596	ng	# 61
49) Acenaphthylene	9.55	152	112472	2.407	ng	94
50) Dimethylphthalate	9.41	163	104647	2.801	ng	97
57) 2,4-Dinitrotoluene	9.69	165	67284	6.091	ng	# 32
58) Fluorene	10.23	166	28118	Below Cal		99
71) Phenanthrene	11.18	178	295741	7.538	ng	95
72) Anthracene	11.23	178	94112	2.279	ng	95
75) Fluoranthene	12.36	202	540858	13.245	ng	95
78) Pyrene	12.59	202	585135	10.591	ng	96
81) Benzo(a)anthracene	13.80	228	332599	6.777	ng	98
83) Chrysene	13.80	228	332599	6.967	ng	97
86) Indeno(1,2,3-cd)pyrene	16.46	276	154261	2.832	ng	97
88) Benzo(b)fluoranthene	14.77	252	489108	14.246	ng	98
89) Benzo(k)fluoranthene	14.77	252	489108	16.775	ng	99
90) Benzo(a)pyrene	15.10	252	262172	8.822	ng	# 97
92) Benzo(g,h,i)perylene	16.84	276	152954	5.405	ng	97

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

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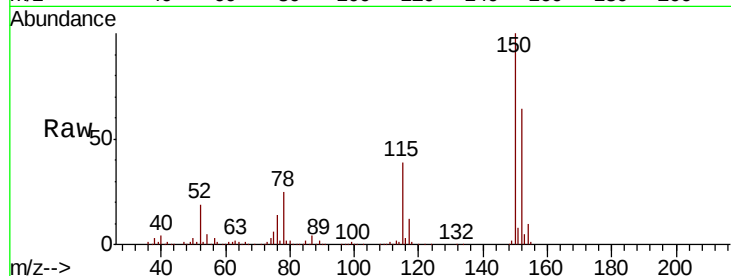


#1

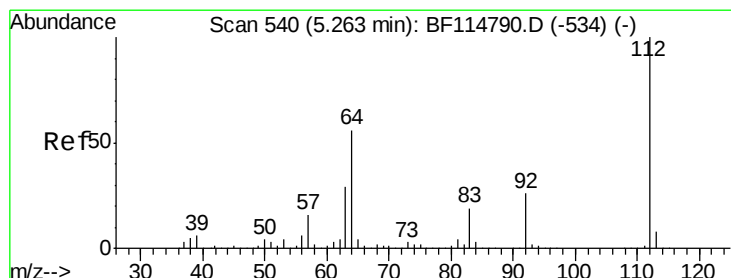
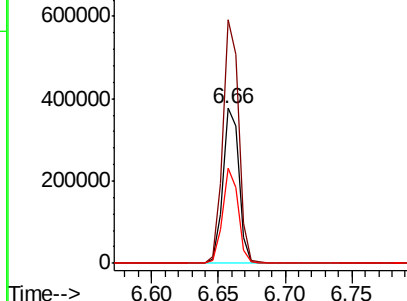
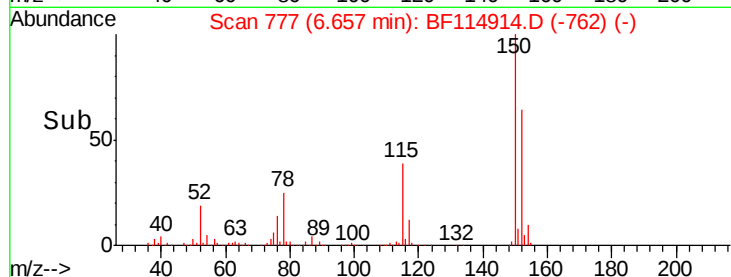
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

Tgt Ion:152 Resp: 322874
Ion Ratio Lower Upper
152 100
150 157.0 124.0 186.0
115 61.1 46.3 69.5



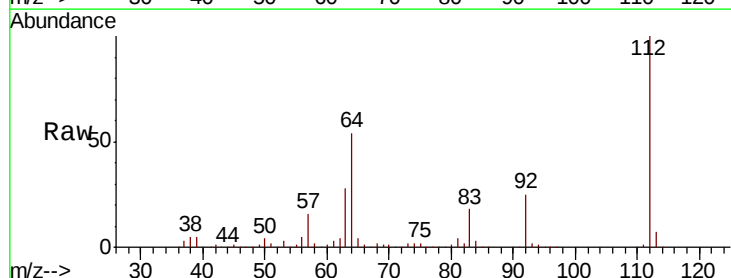
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



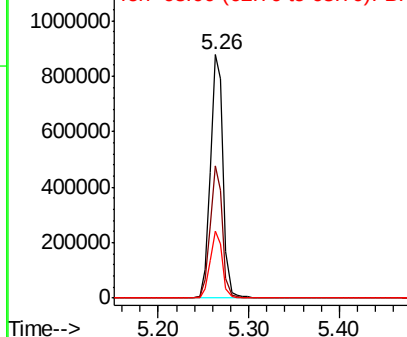
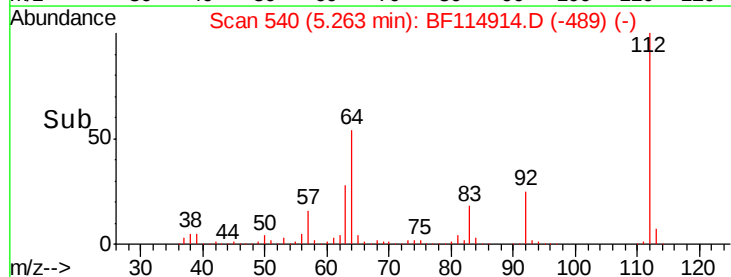
#5

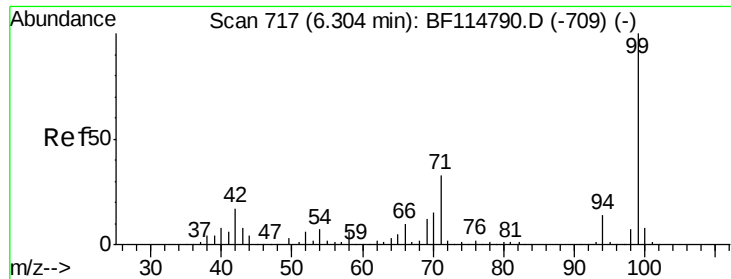
2-Fluorophenol
Concen: 47.031 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Tgt Ion:112 Resp: 869029
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

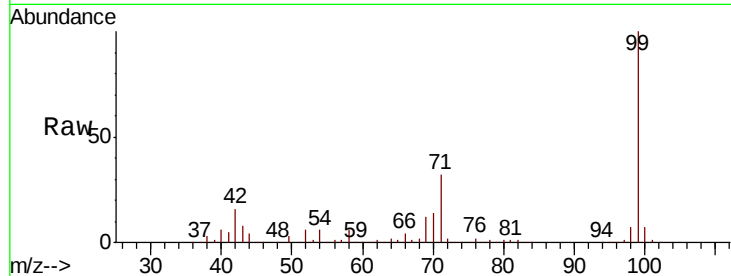




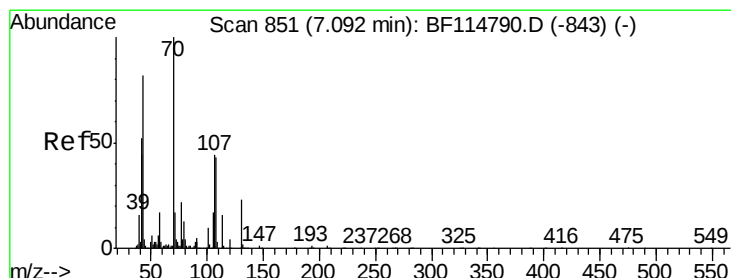
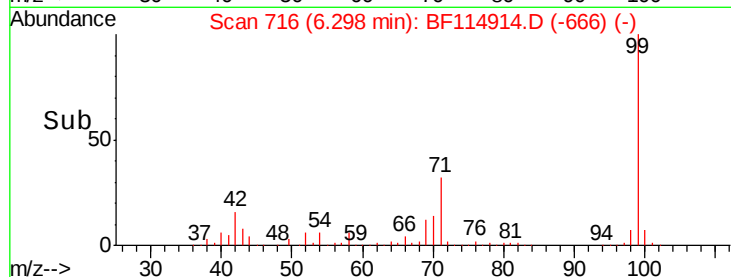
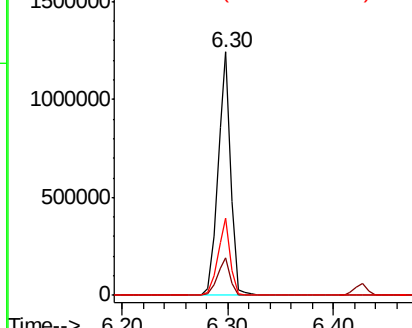
#7
Phenol-d6
Concen: 47.176 ng
RT: 6.30 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

Tgt Ion: 99 Resp: 1060695
Ion Ratio Lower Upper
99 100
42 15.5 13.3 19.9
71 31.8 26.3 39.5

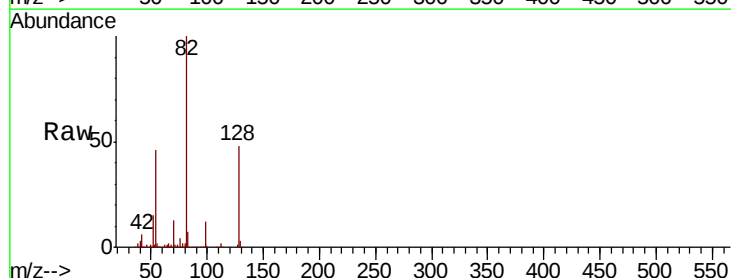


Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

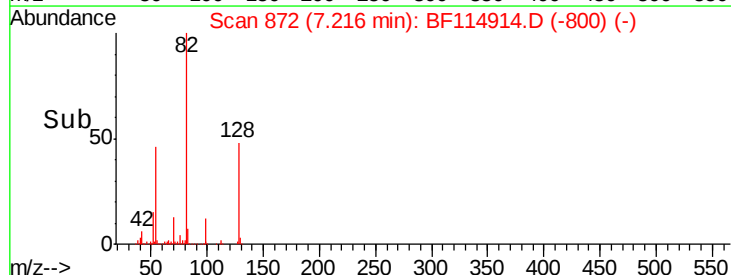
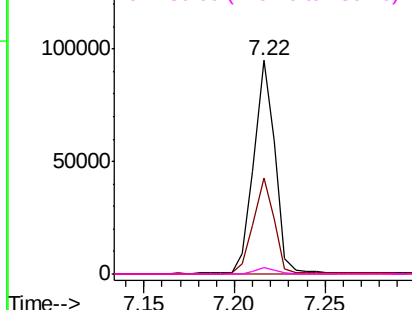


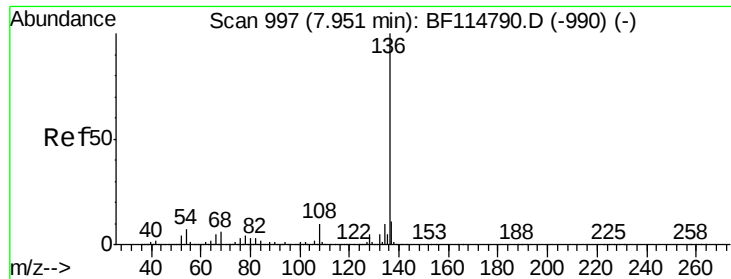
#19
n-Nitroso-di-n-propylamine
Concen: 5.294 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.12 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Tgt Ion: 70 Resp: 78800
Ion Ratio Lower Upper
70 100
42 45.0 41.8 62.8
101 0.0 8.2 12.4#
130 2.7 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): B
Ion 130.00 (129.70 to 130.70): B

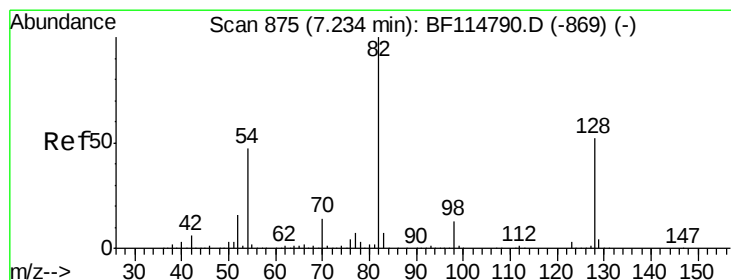
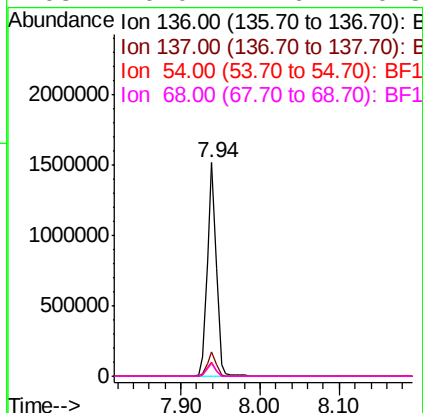
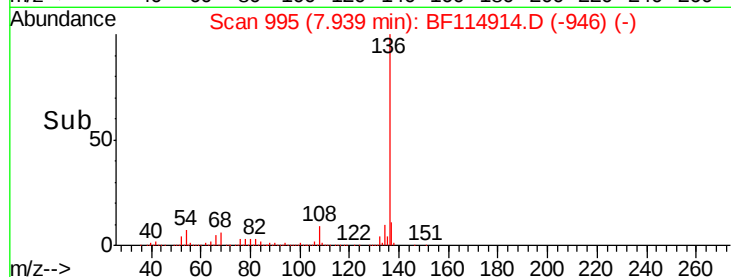
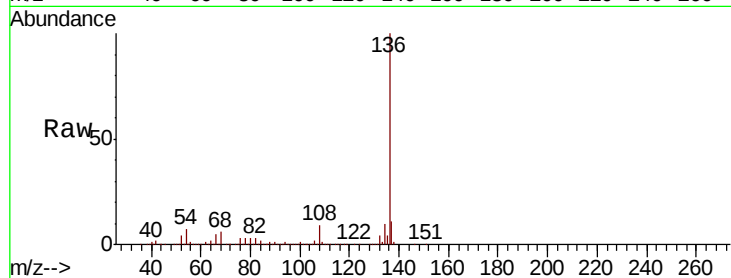




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

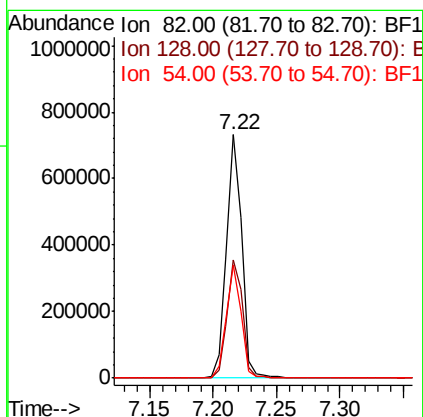
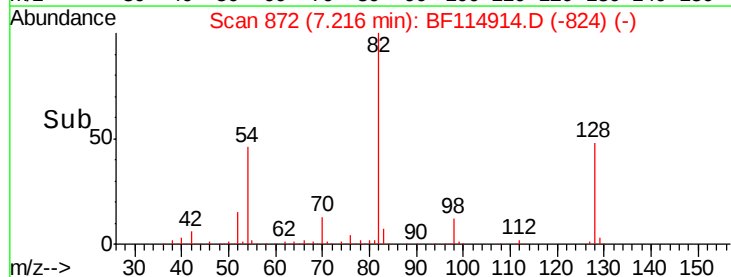
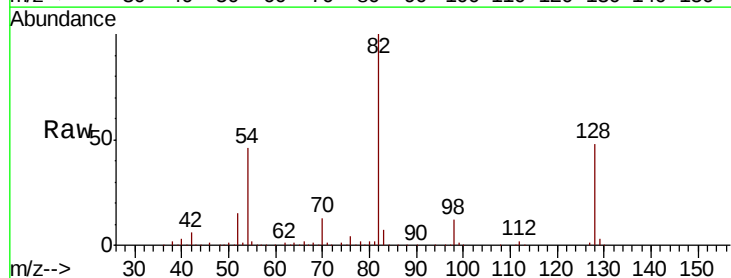
Instrument :
BNA_F
ClientSampleId :
OK-03-060619

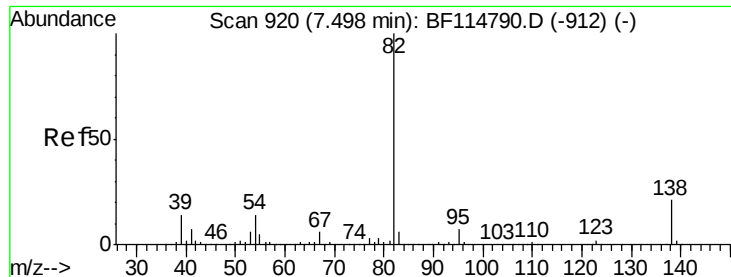
Tgt Ion:	136	Resp:	1207633
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.8	5.4	8.0
68	6.0	4.6	6.8



#23
Nitrobenzene-d5
Concen: 31.316 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Tgt Ion:	82	Resp:	614341
Ion	Ratio	Lower	Upper
82	100		
128	48.4	41.8	62.6
54	46.2	37.9	56.9

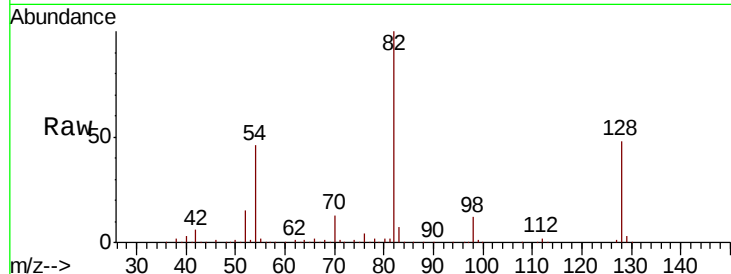




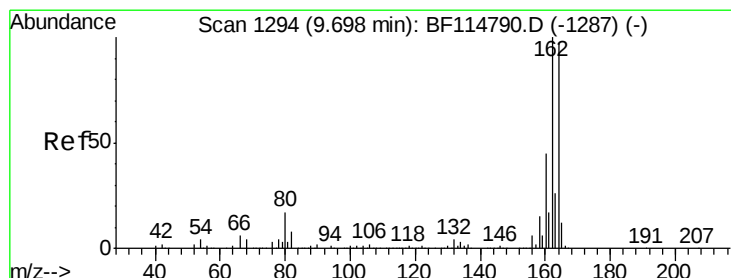
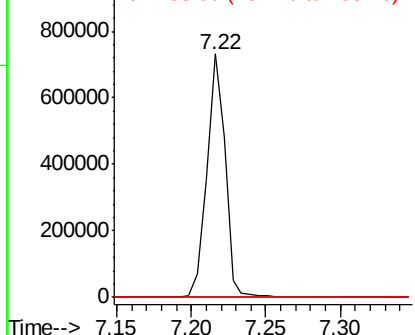
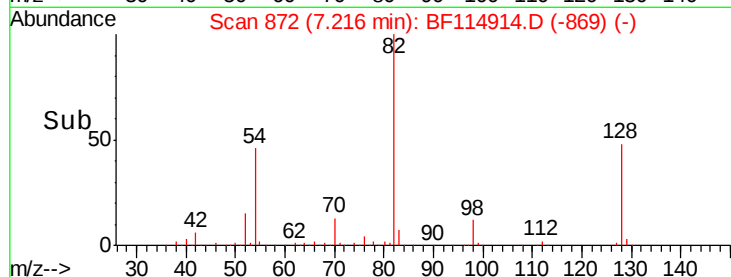
#25
Isophorone
Concen: 15.596 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.28 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

Tgt Ion: 82 Resp: 604864
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.9 25.3#

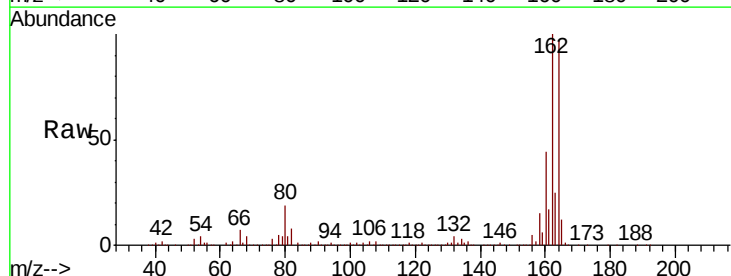


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

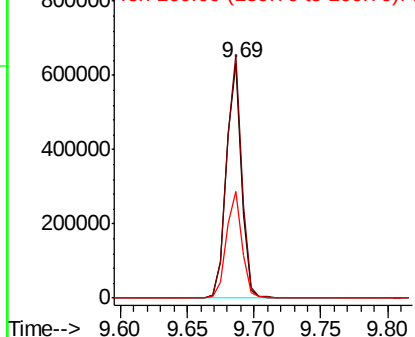
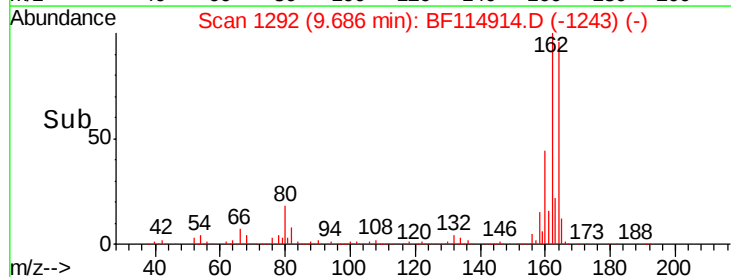


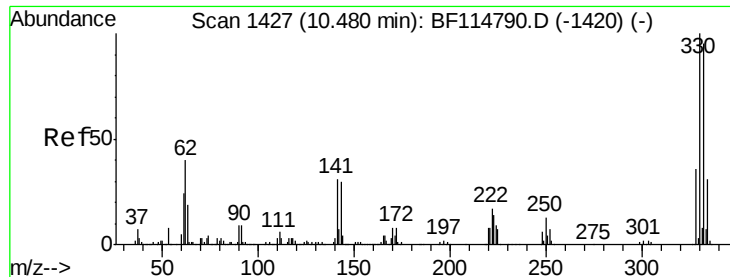
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Tgt Ion: 164 Resp: 511618
Ion Ratio Lower Upper
164 100
162 103.6 82.3 123.5
160 45.4 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: 38.540 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF114914.D

Acq: 8 Jun 2019 2:18

Instrument :

BNA_F

ClientSampleId :

OK-03-060619

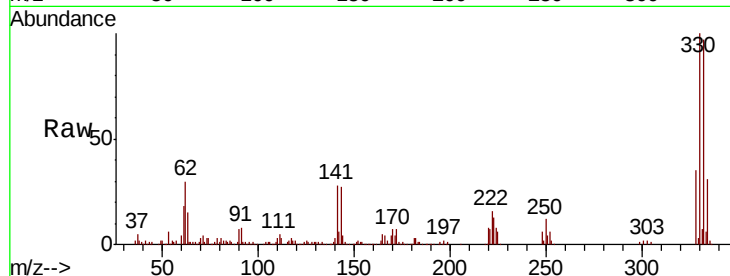
Tgt Ion:330 Resp: 212491

Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

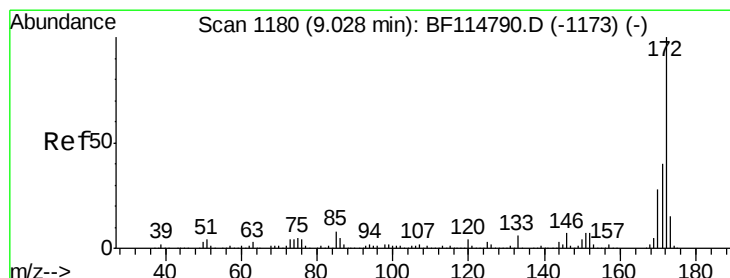
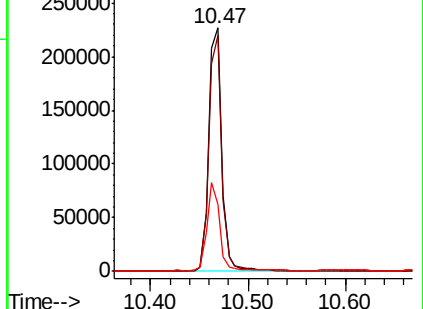
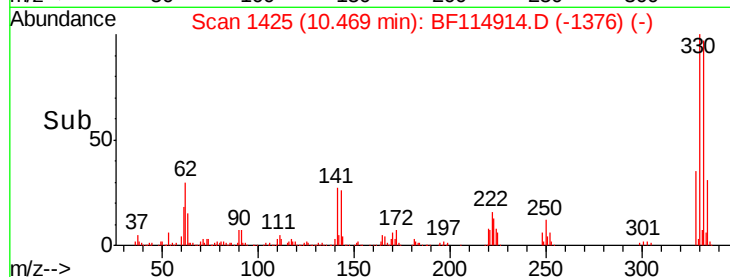
141 34.2 26.2 39.4



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: 42.996 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF114914.D

Acq: 8 Jun 2019 2:18

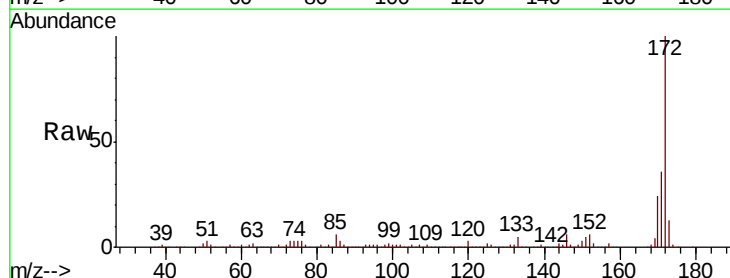
Tgt Ion:172 Resp: 1174287

Ion Ratio Lower Upper

172 100

171 36.4 32.3 48.5

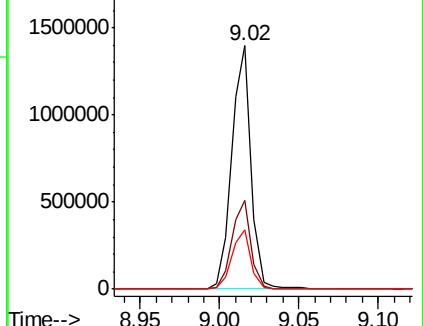
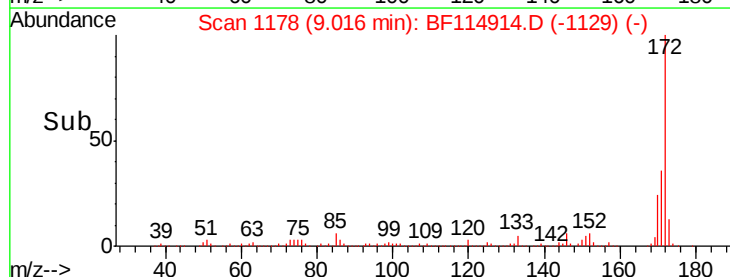
170 24.4 22.4 33.6

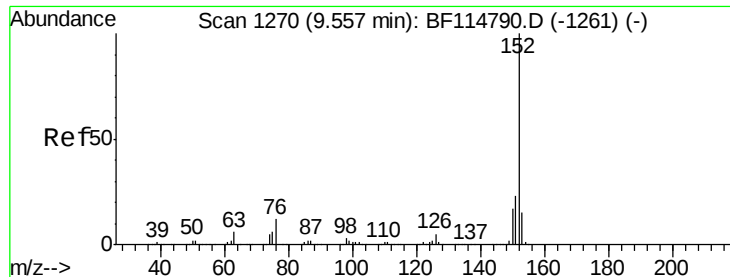


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.407 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF114914.D

Acq: 8 Jun 2019 2:18

Instrument :

BNA_F

ClientSampleId :

OK-03-060619

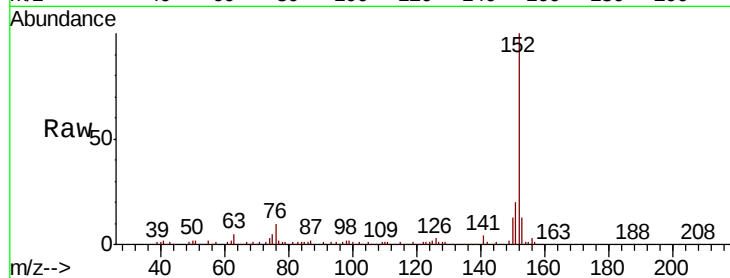
Tgt Ion:152 Resp: 112472

Ion Ratio Lower Upper

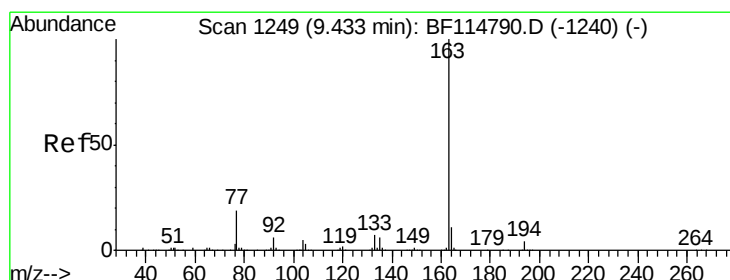
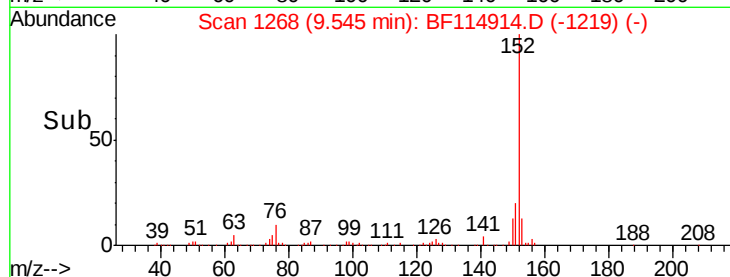
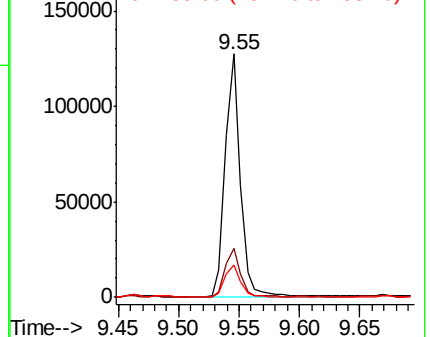
152 100

151 19.9 18.3 27.5

153 13.5 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.801 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114914.D

Acq: 8 Jun 2019 2:18

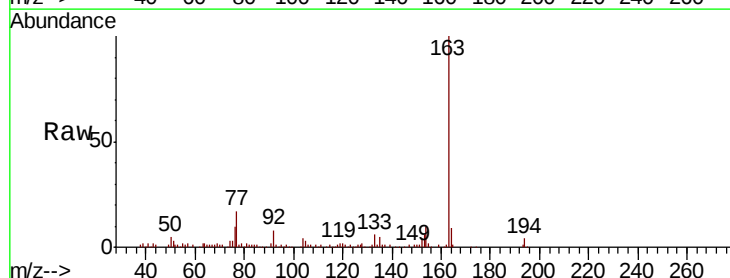
Tgt Ion:163 Resp: 104647

Ion Ratio Lower Upper

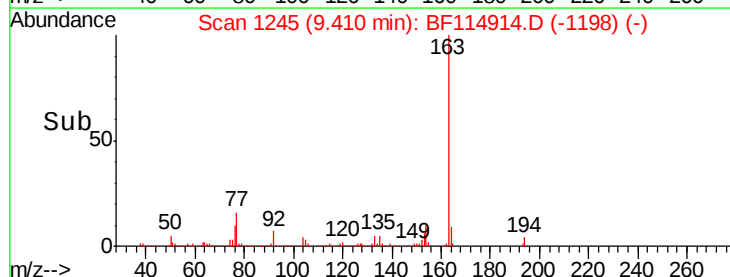
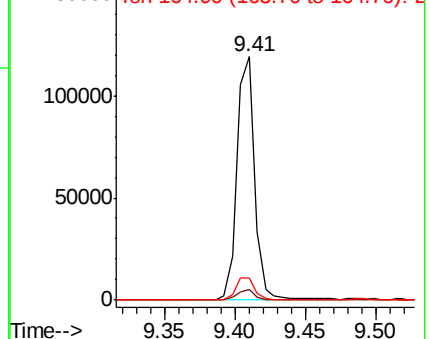
163 100

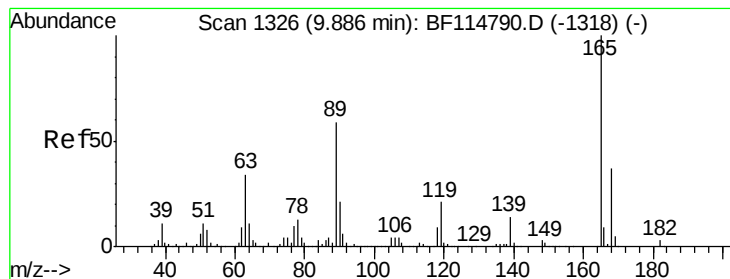
194 4.4 3.4 5.2

164 9.4 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

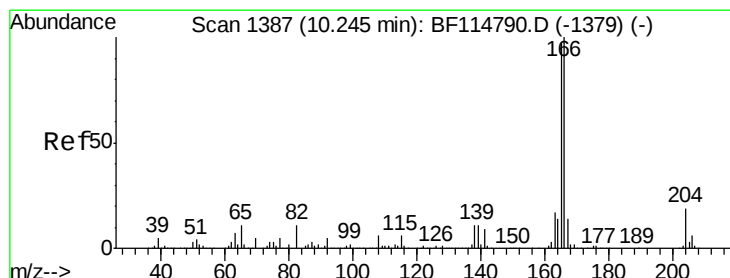
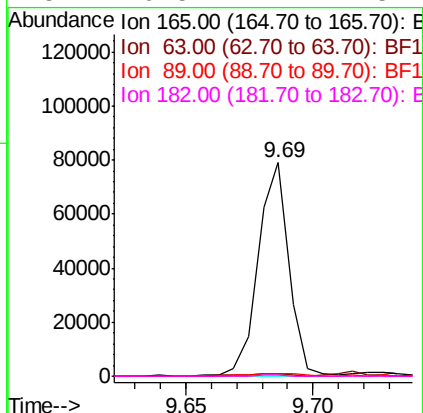
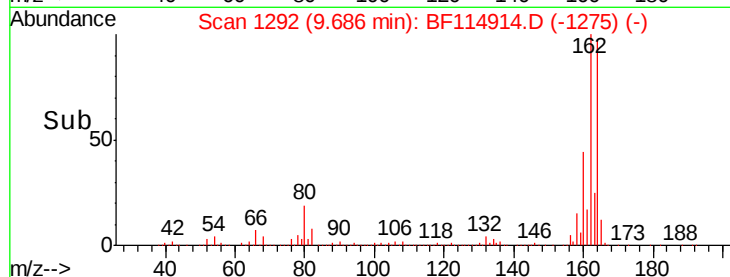
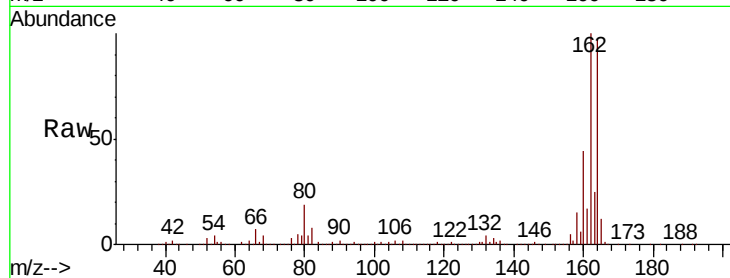




#57
 2,4-Dinitrotoluene
 Concen: 6.091 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.20 min
 Lab File: BF114914.D
 Acq: 8 Jun 2019 2:18

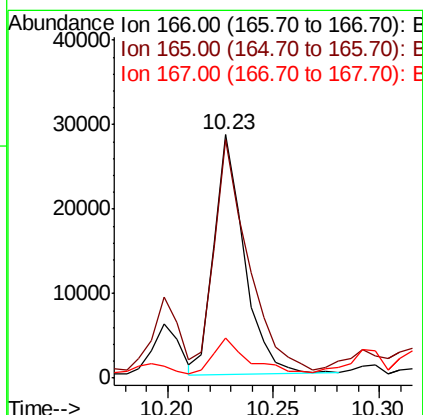
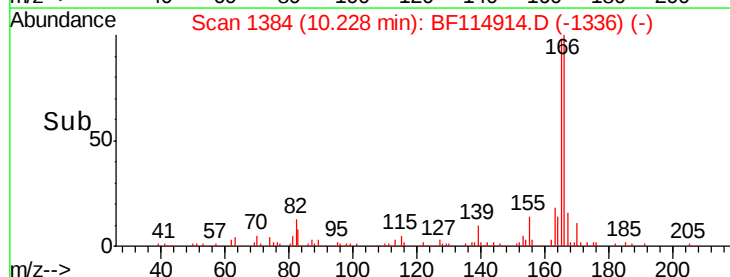
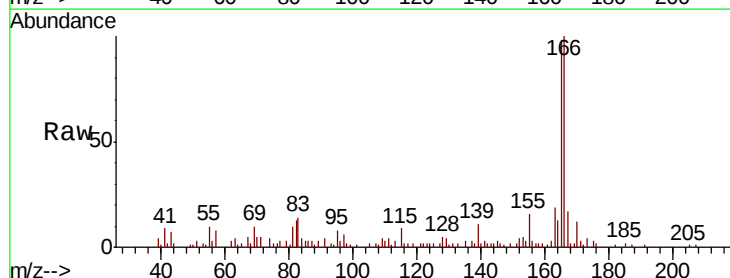
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-060619

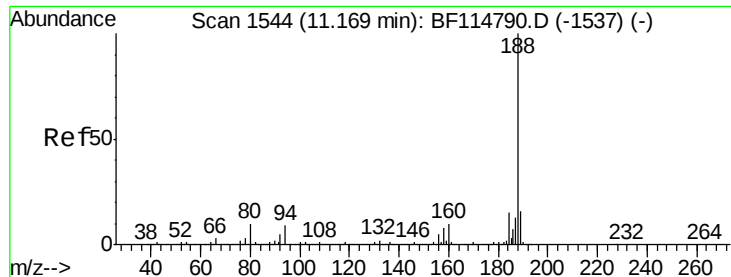
Tgt Ion:	165	Resp:	67284
Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.0	40.4#
89	1.3	47.0	70.6#
182	0.5	2.2	3.2#



#58
 Fluorene
 Concen: Below Cal
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF114914.D
 Acq: 8 Jun 2019 2:18

Tgt Ion:	166	Resp:	28118
Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.9	116.9
167	16.6	11.3	16.9

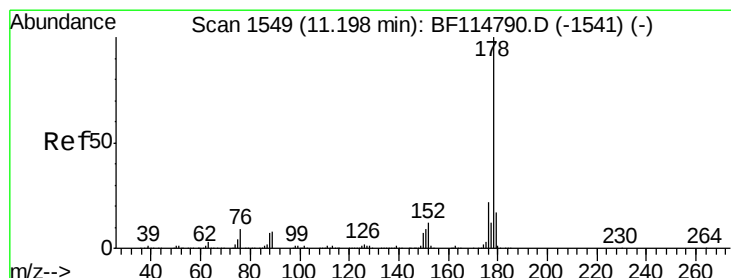
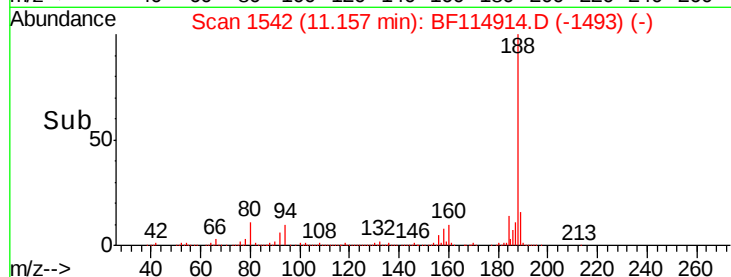
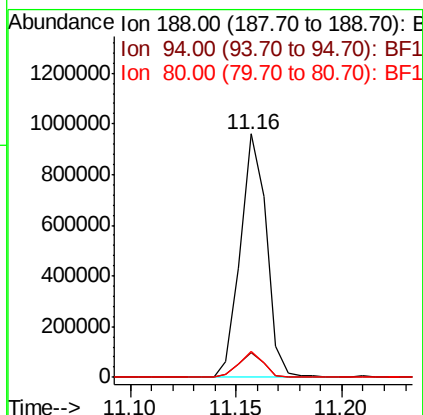
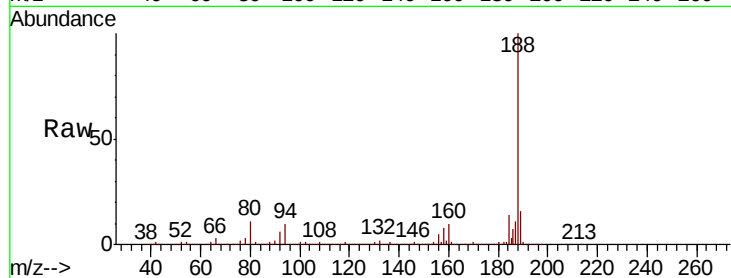




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

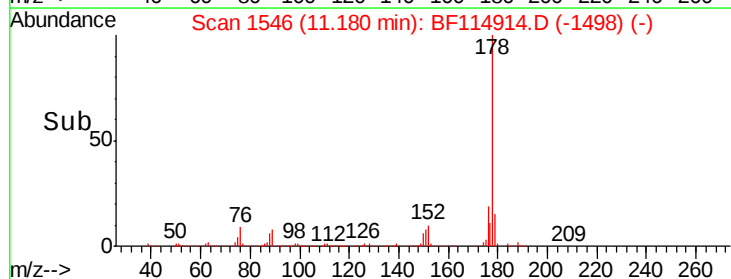
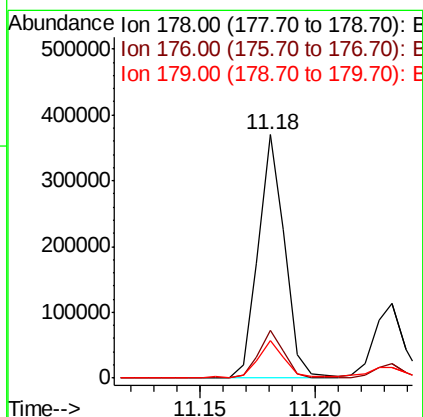
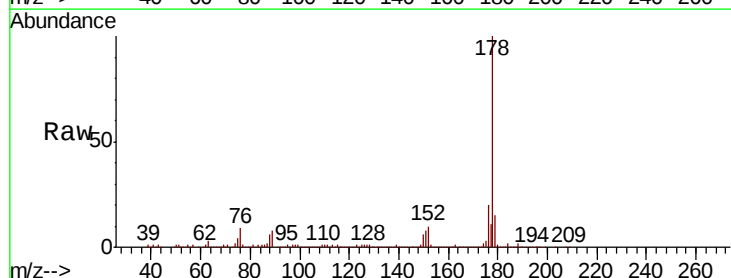
Instrument :
BNA_F
ClientSampleId :
OK-03-060619

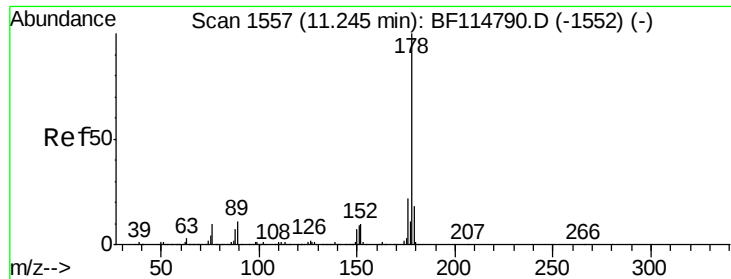
Tgt Ion:188 Resp: 821825
Ion Ratio Lower Upper
188 100
94 10.4 7.6 11.4
80 10.8 8.3 12.5



#71
Phenanthrene
Concen: 7.538 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Tgt Ion:178 Resp: 295741
Ion Ratio Lower Upper
178 100
176 19.6 17.7 26.5
179 15.3 13.7 20.5





#72

Anthracene

Concen: 2.279 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF114914.D

Acq: 8 Jun 2019 2:18

Instrument :

BNA_F

ClientSampleId :

OK-03-060619

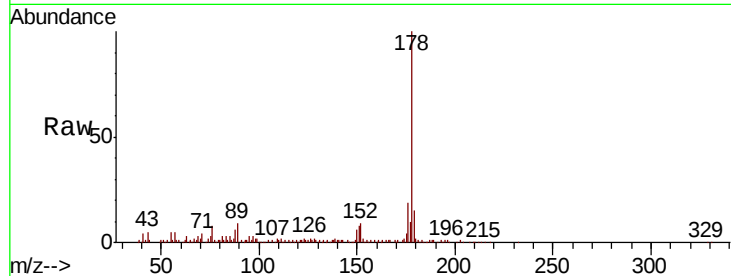
Tgt Ion:178 Resp: 94112

Ion Ratio Lower Upper

178 100

176 19.5 17.4 26.0

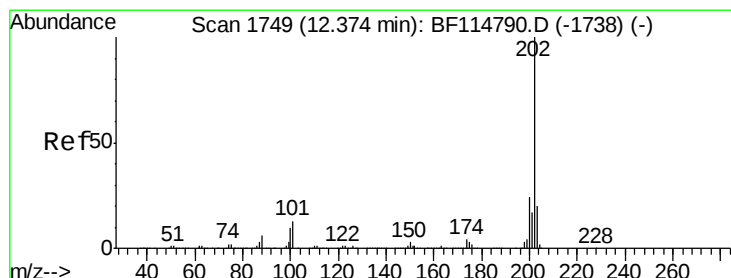
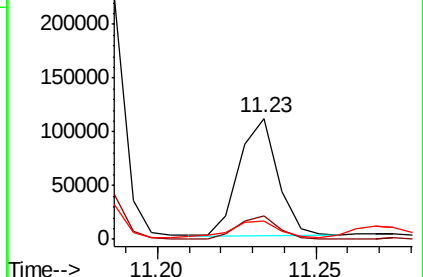
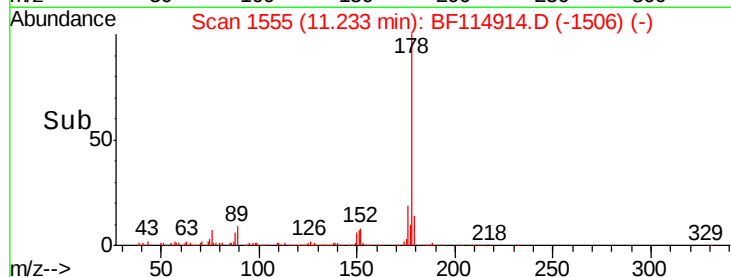
179 15.1 14.2 21.4



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: 13.245 ng

RT: 12.36 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BF114914.D

Acq: 8 Jun 2019 2:18

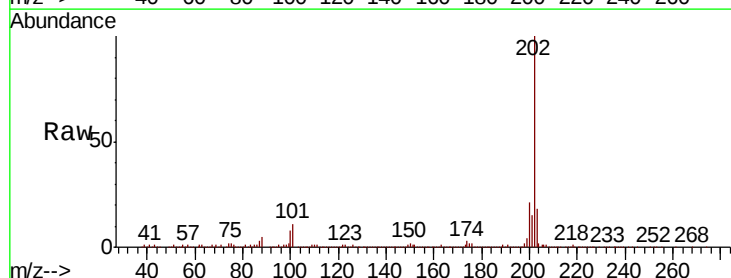
Tgt Ion:202 Resp: 540858

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.8

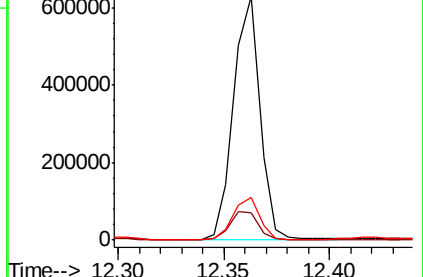
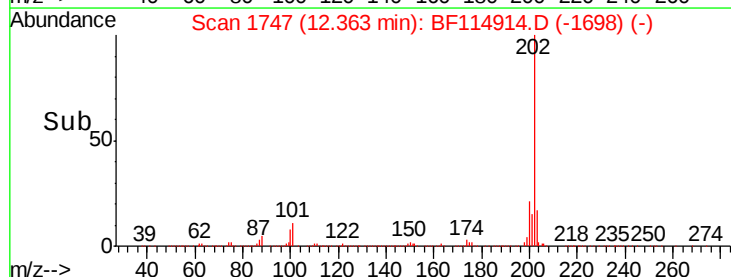
203 17.6 0.2 40.2

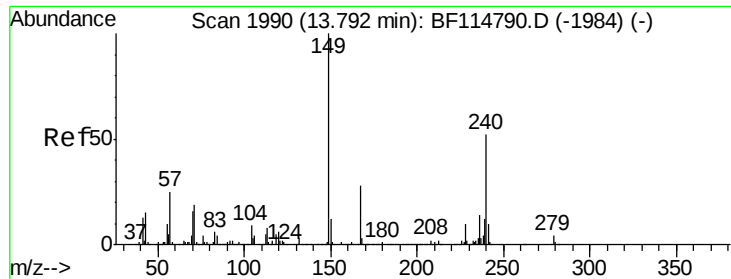


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

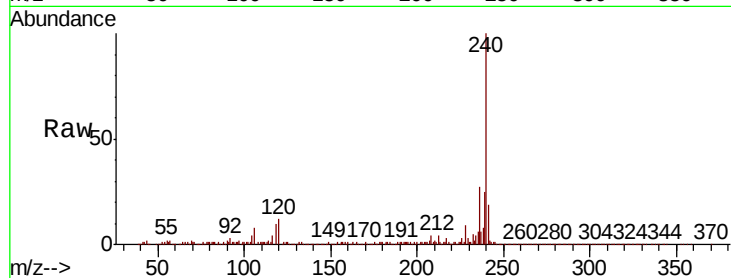




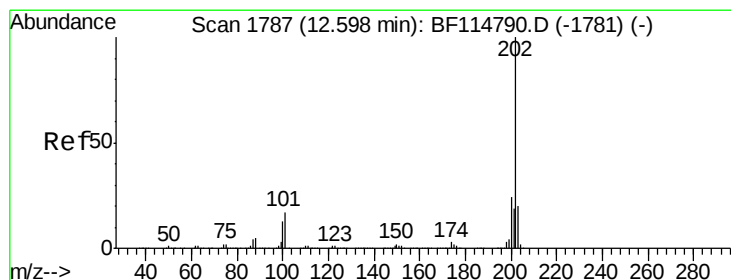
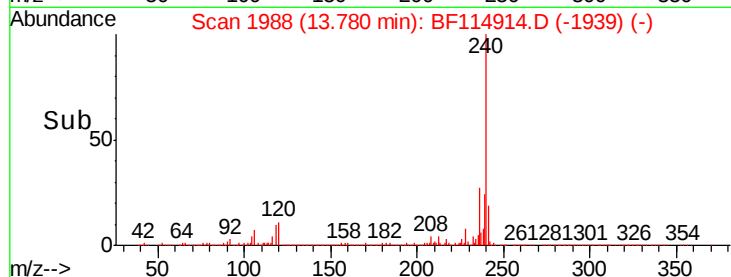
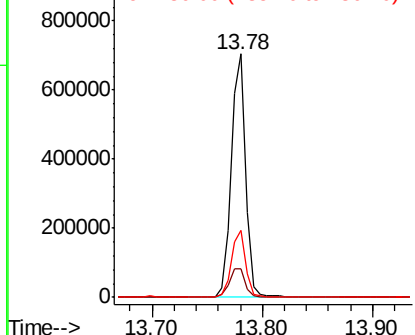
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

Tgt Ion:240 Resp: 636857
Ion Ratio Lower Upper
240 100
120 11.6 9.0 13.4
236 27.3 21.4 32.0

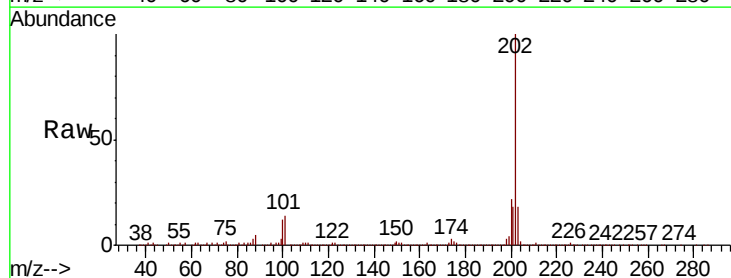


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

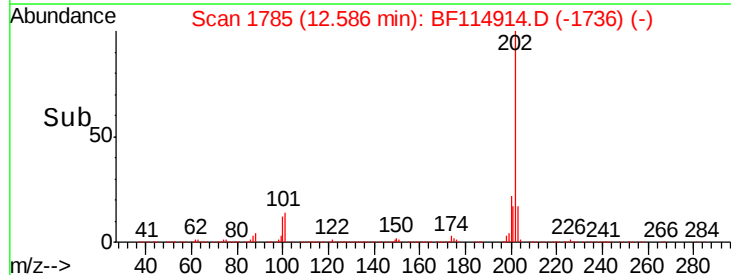
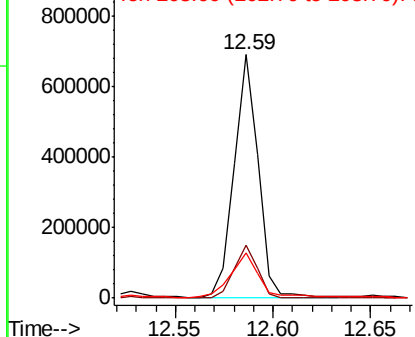


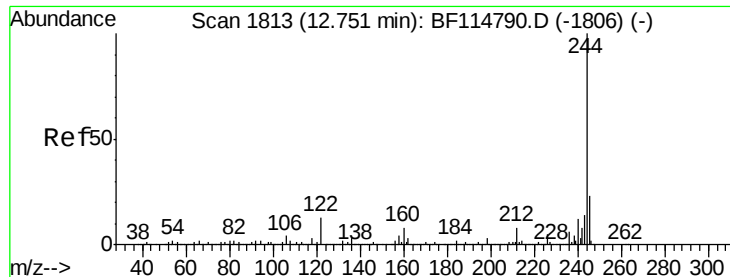
#78
Pyrene
Concen: 10.591 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Tgt Ion:202 Resp: 585135
Ion Ratio Lower Upper
202 100
200 21.8 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

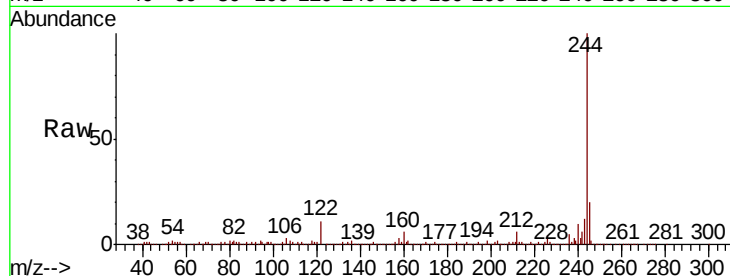




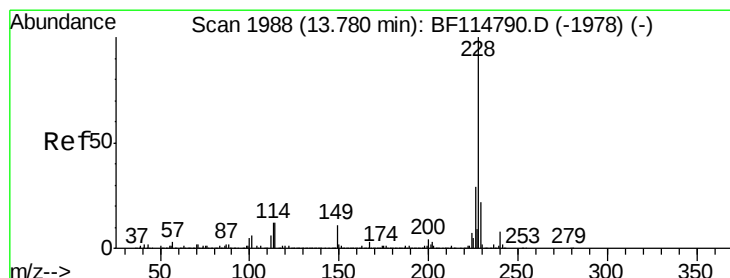
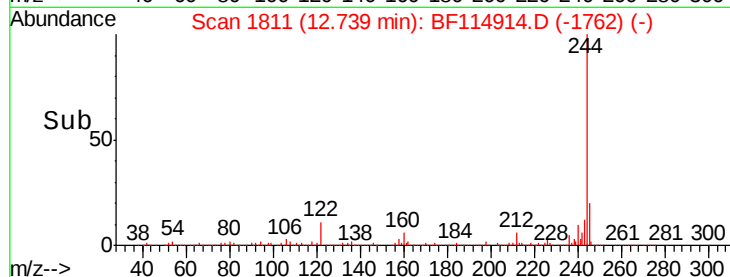
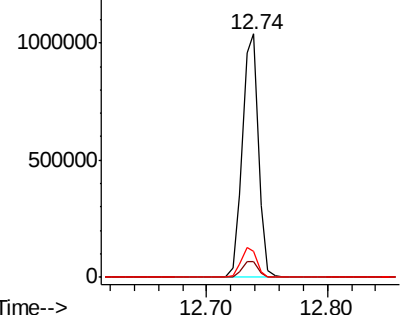
#79
 Terphenyl-d14
 Concen: 29.615 ng
 RT: 12.74 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF114914.D
 Acq: 8 Jun 2019 2:18

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-060619

Tgt Ion:244 Resp: 969805
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.5 9.7#
 122 10.7 10.5 15.7

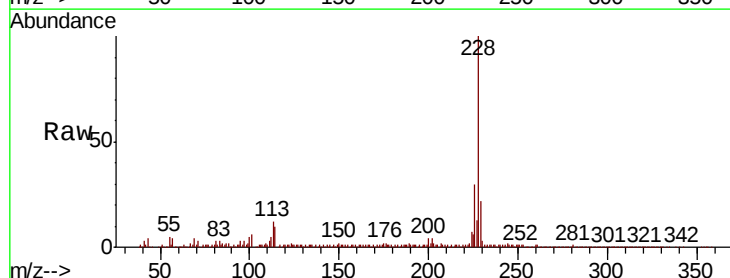


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

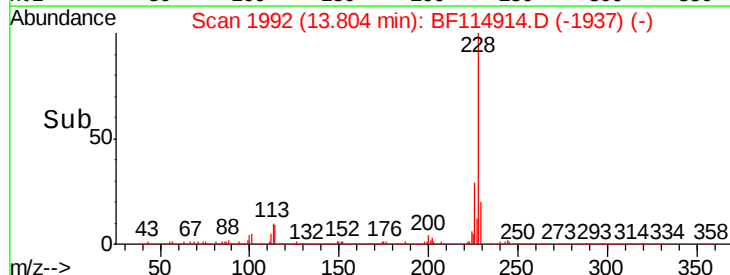
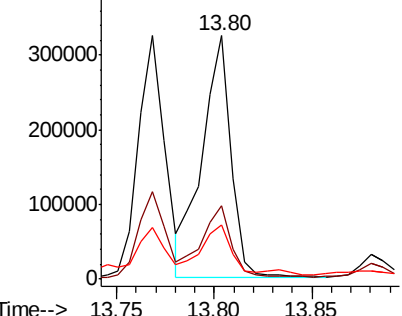


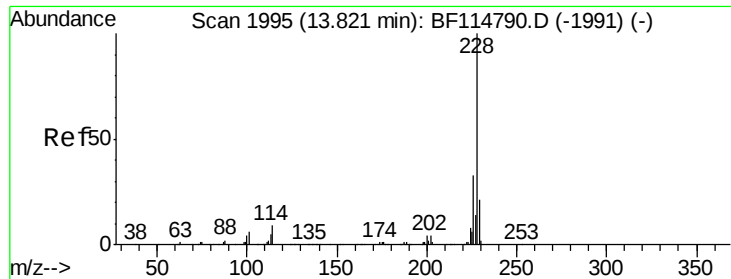
#81
 Benzo(a)anthracene
 Concen: 6.777 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. 0.02 min
 Lab File: BF114914.D
 Acq: 8 Jun 2019 2:18

Tgt Ion:228 Resp: 332599
 Ion Ratio Lower Upper
 228 100
 226 30.1 23.4 35.2
 229 22.5 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: 6.967 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BF114914.D

Acq: 8 Jun 2019 2:18

Instrument :

BNA_F

ClientSampleId :

OK-03-060619

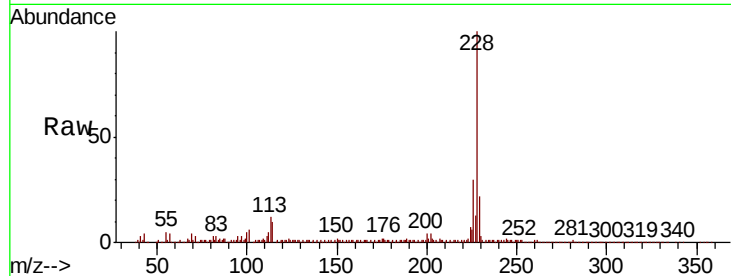
Tgt Ion:228 Resp: 332599

Ion Ratio Lower Upper

228 100

226 30.1 26.0 39.0

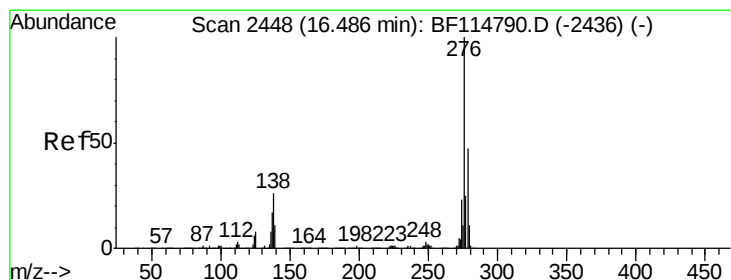
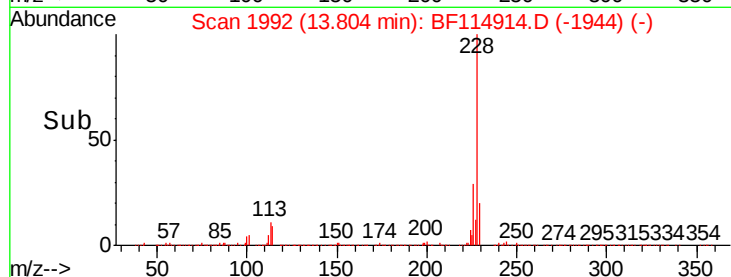
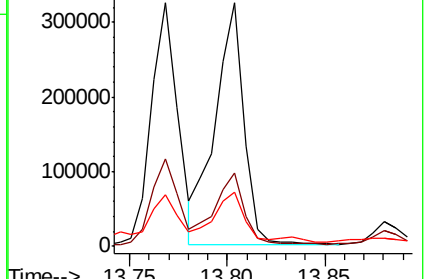
229 22.5 17.1 25.7



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: 2.832 ng

RT: 16.46 min Scan# 2443

Delta R.T. -0.03 min

Lab File: BF114914.D

Acq: 8 Jun 2019 2:18

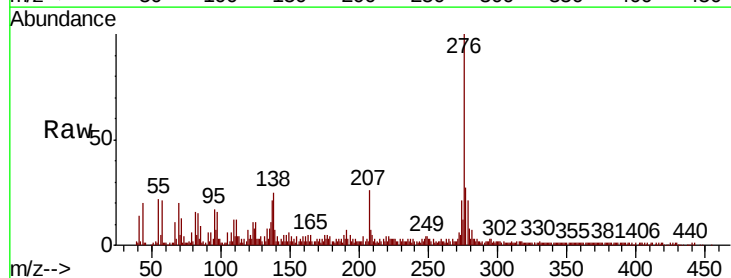
Tgt Ion:276 Resp: 154261

Ion Ratio Lower Upper

276 100

138 25.0 22.2 33.4

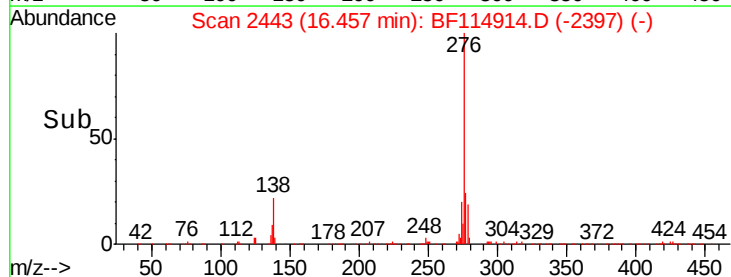
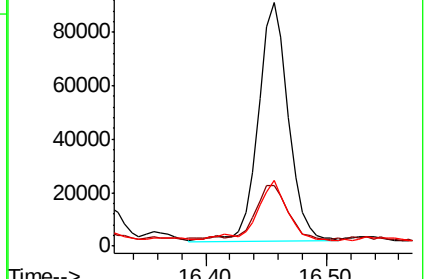
277 26.4 20.6 30.8

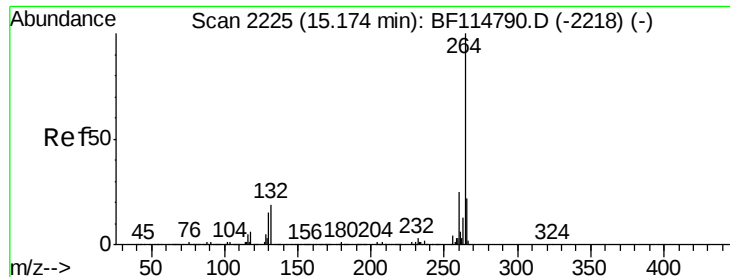


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



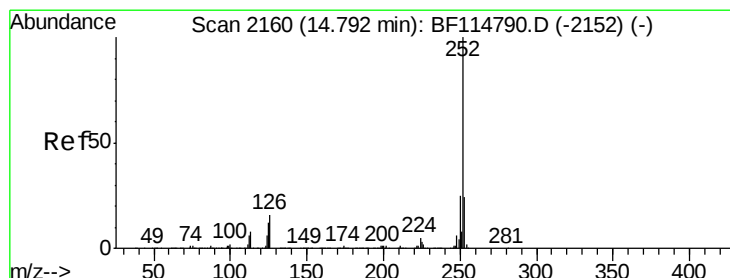
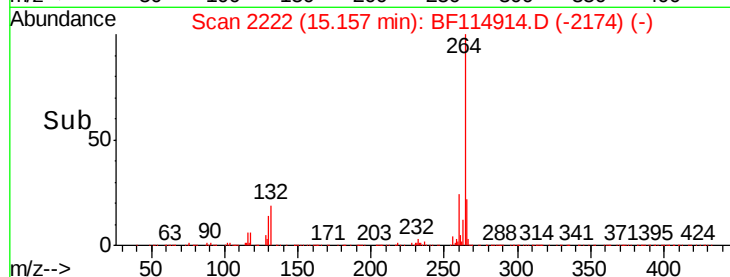
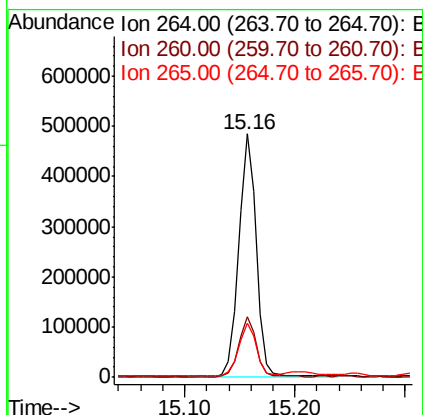
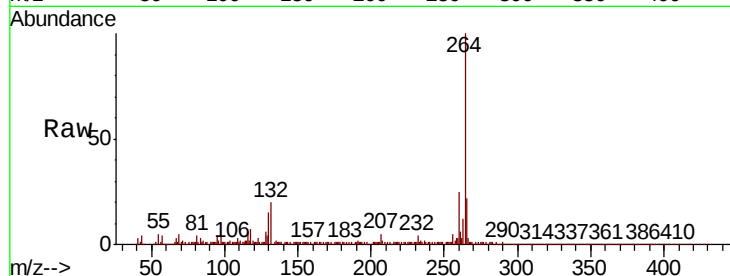


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

Tgt Ion: 264 Resp: 539323

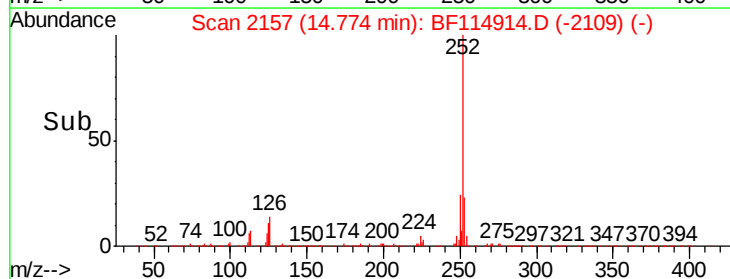
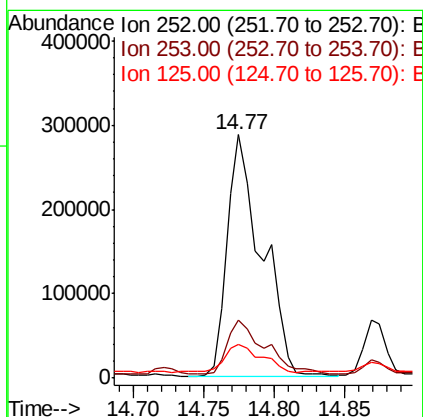
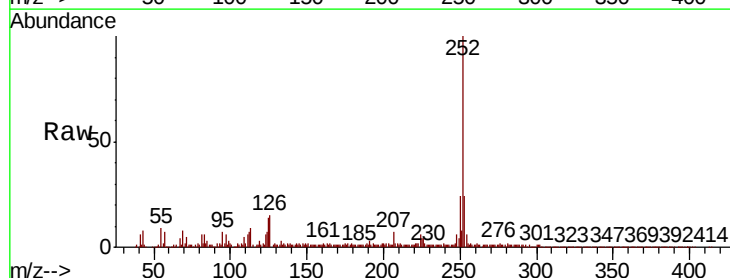
Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.1	30.1
265	22.3	17.7	26.5

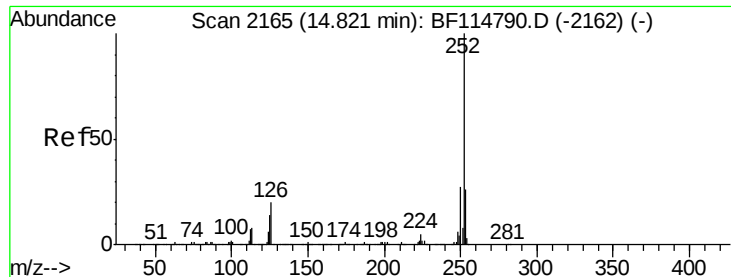


#88
Benzo(b)fluoranthene
Concen: 14.246 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Tgt Ion: 252 Resp: 489108

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.0	28.6
125	14.0	9.4	14.0

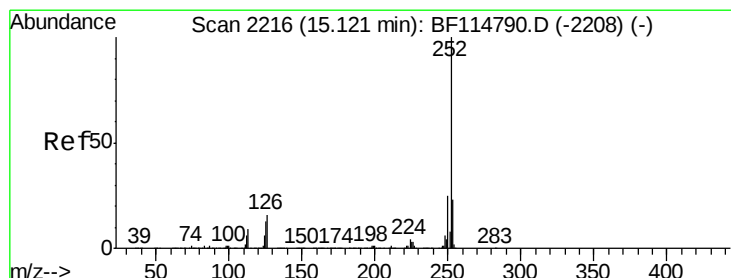
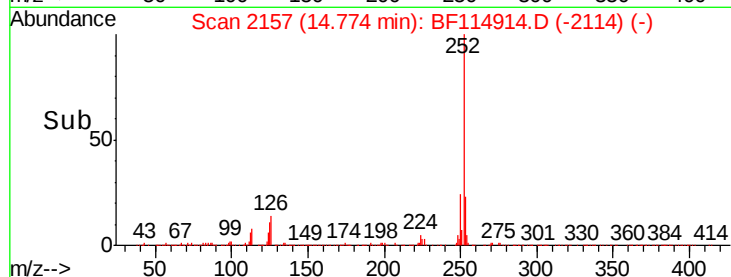
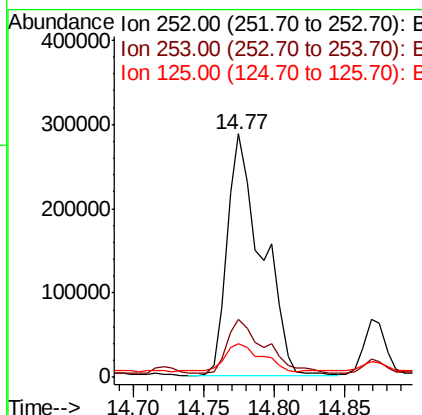
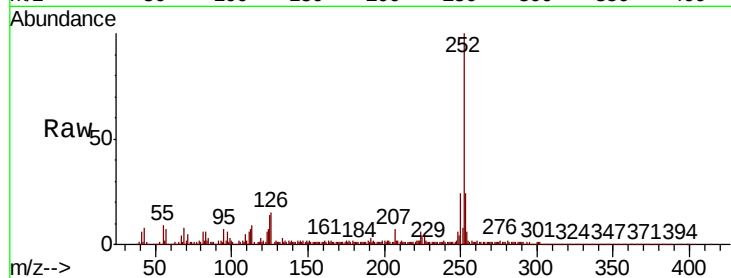




#89
Benzo(k)fluoranthene
Concen: 16.775 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.05 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

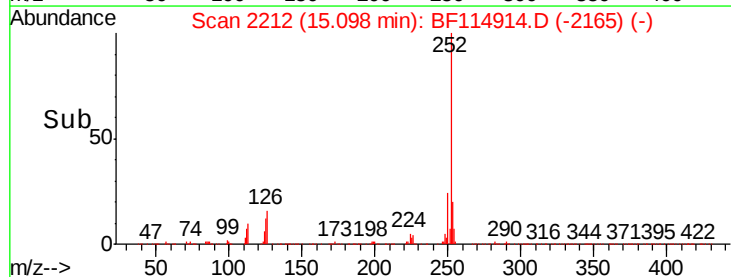
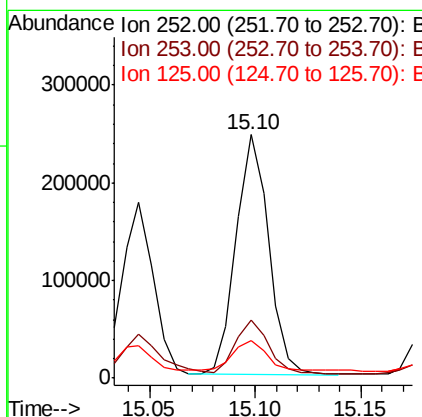
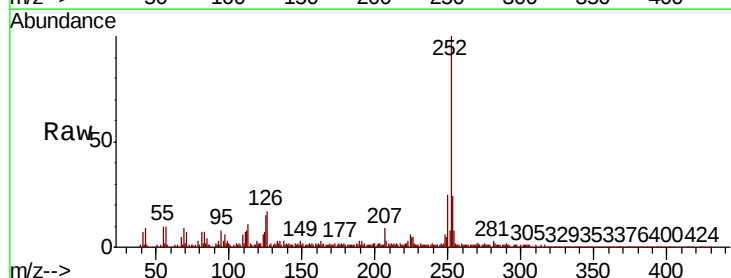
Instrument :
BNA_F
ClientSampleId :
OK-03-060619

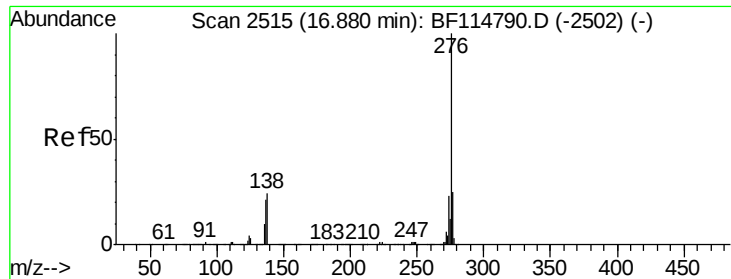
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.3	28.9
125	14.0	10.1	15.1



#90
Benzo(a)pyrene
Concen: 8.822 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF114914.D
Acq: 8 Jun 2019 2:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	15.2	10.1	15.1#

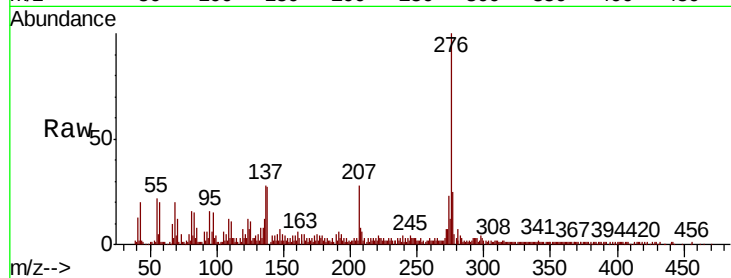




#92
 Benzo(g,h,i)perylene
 Concen: 5.405 ng
 RT: 16.84 min Scan# 2509
 Delta R.T. -0.04 min
 Lab File: BF114914.D
 Acq: 8 Jun 2019 2:18

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-060619

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.6
138	27.0	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

