

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
 Data File : BF115054.D
 Acq On : 14 Jun 2019 21:44
 Operator : HP/JU
 Sample : K3351-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3425

Quant Time: Jun 15 06:29:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	258564	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	968598	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	465876	20.00	ng	-0.01
64) Phenanthrene-d10	11.14	188	781146	20.00	ng	-0.01
76) Chrysene-d12	13.77	240	426563	20.00	ng	0.00
87) Perylene-d12	15.15	264	492715	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	994678	64.24	ng	0.00
7) Phenol-d6	6.29	99	1222153	65.43	ng	-0.01
23) Nitrobenzene-d5	7.20	82	719497	44.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.46	330	263508	52.82	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	1391724	50.63	ng	0.00
79) Terphenyl-d14	12.73	244	1068853	47.13	ng	-0.01

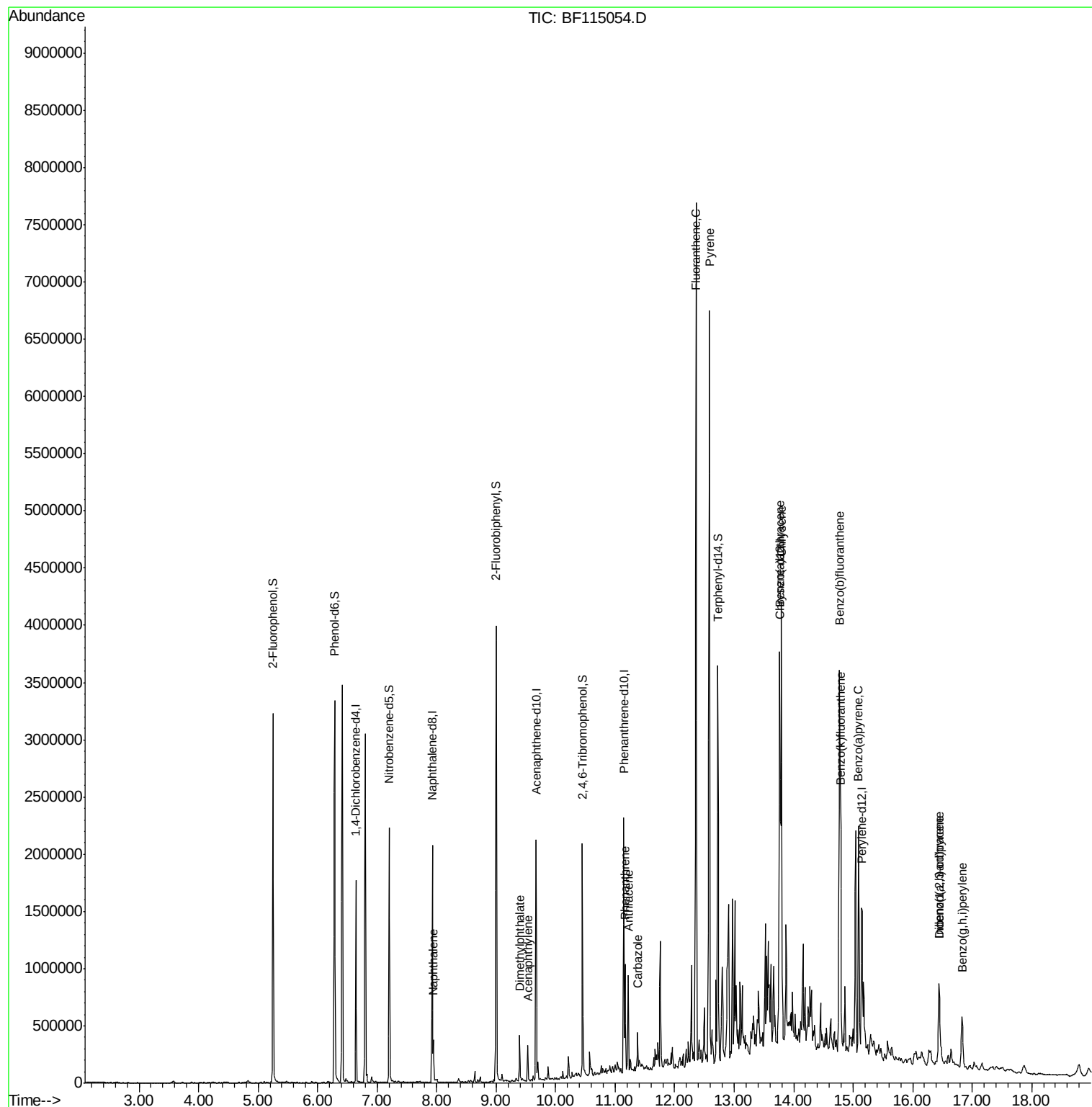
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.95	128	146024	3.186	ng	97
49) Acenaphthylene	9.53	152	144448	3.112	ng	97
50) Dimethylphthalate	9.39	163	171632	4.899	ng	99
71) Phenanthrene	11.17	178	325086	8.060	ng	96
72) Anthracene	11.22	178	336399	8.268	ng	96
73) Carbazole	11.37	167	107112	3.016	ng	98
75) Fluoranthene	12.36	202	3498063	84.820	ng	97
78) Pyrene	12.59	202	3023310	77.802	ng	98
81) Benzo(a)anthracene	13.76	228	1337750	41.908	ng	98
83) Chrysene	13.80	228	1546862	48.732	ng	97
86) Indeno(1,2,3-cd)pyrene	16.44	276	412538	14.795	ng	96
88) Benzo(b)fluoranthene	14.77	252	1847240m	56.398	ng	
89) Benzo(k)fluoranthene	14.79	252	569854m	19.821	ng	
90) Benzo(a)pyrene	15.09	252	851247	30.119	ng	99
91) Dibenzo(a,h)anthracene	16.45	278	125720	5.165	ng	97
92) Benzo(g,h,i)perylene	16.83	276	341741	13.767	ng	99

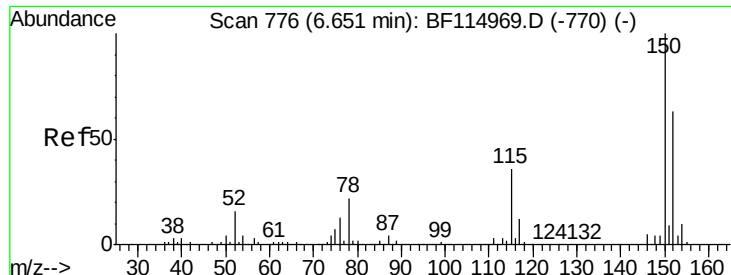
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
Data File : BF115054.D
Acq On : 14 Jun 2019 21:44
Operator : HP/JU
Sample : K3351-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-3425

Quant Time: Jun 15 06:29:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 15:42:37 2019
Response via : Initial Calibration



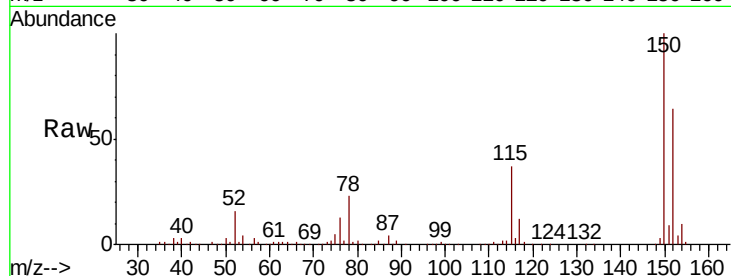


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.4	191.0
115	58.2	46.0	69.0

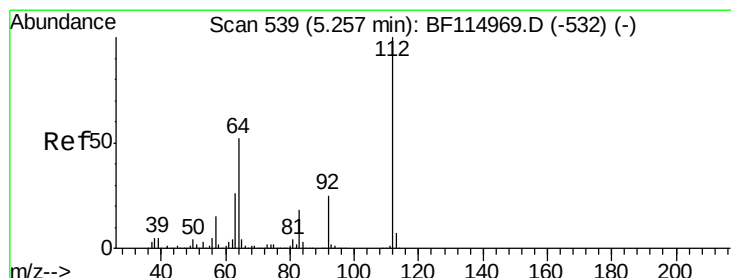
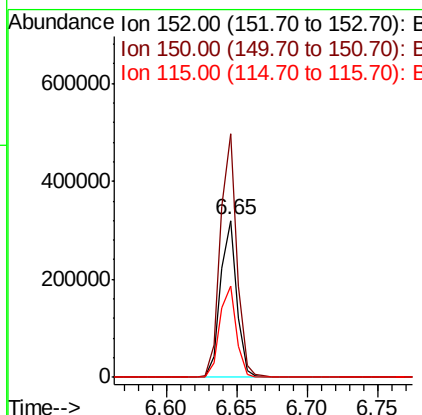
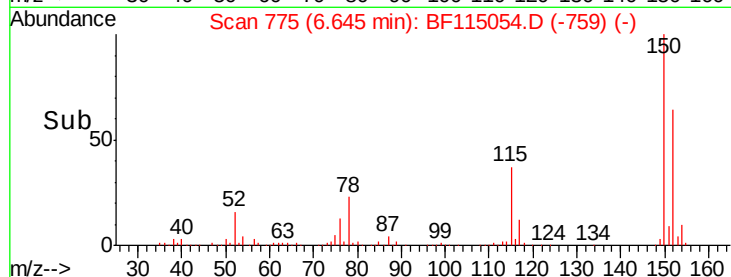


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

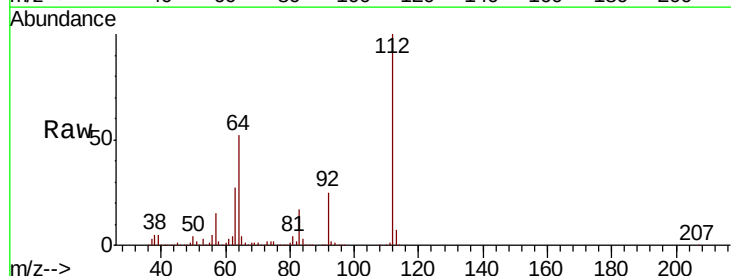
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 64.236 ng
RT: 5.25 min Scan# 538
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.6	62.4
63	26.8	20.9	31.3

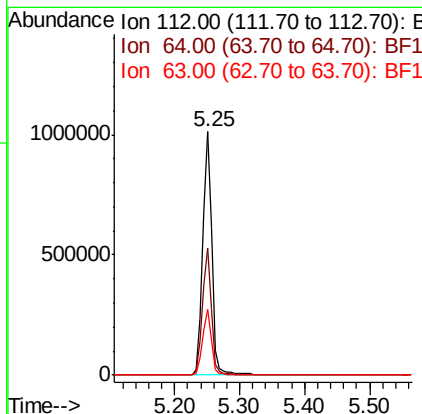
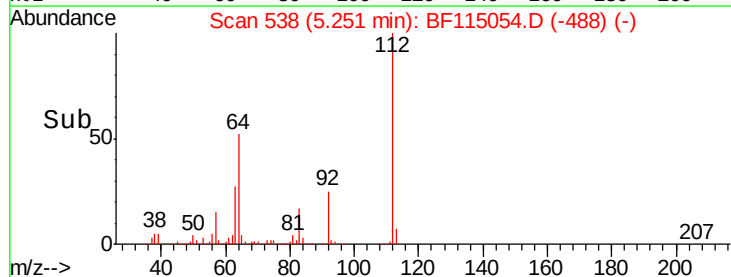


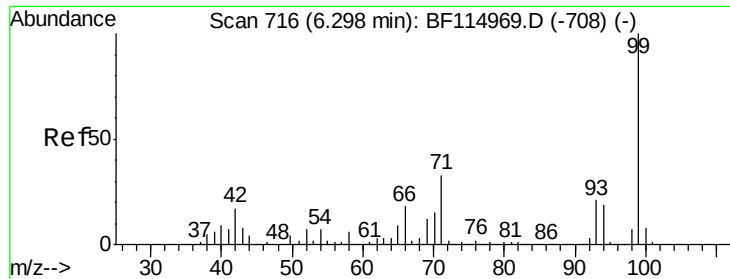
Abundance

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: 65.429 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

Instrument :

BNA_F

ClientSampleId :

RT-3425

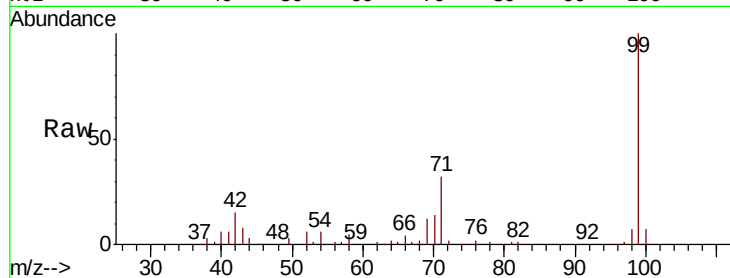
Tot Ion: 99 Resp: 1222153

Ion Ratio Lower Upper

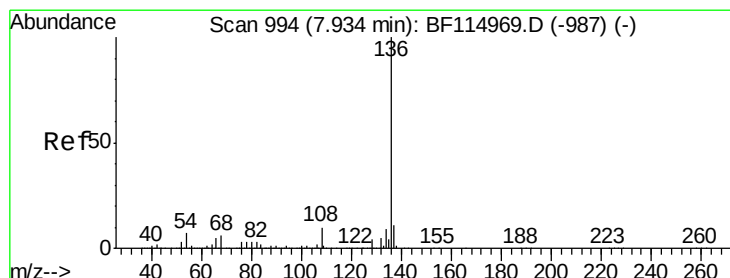
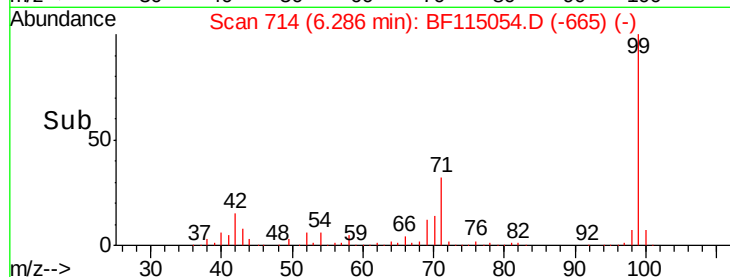
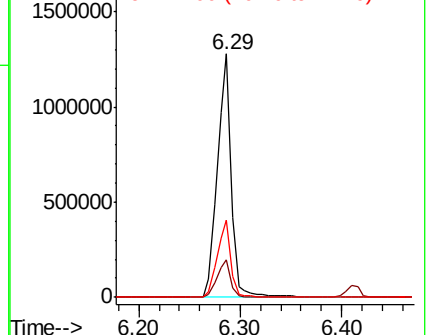
99 100

42 15.4 13.4 20.2

71 31.9 26.4 39.6



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: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

Tgt Ion: 136 Resp: 968598

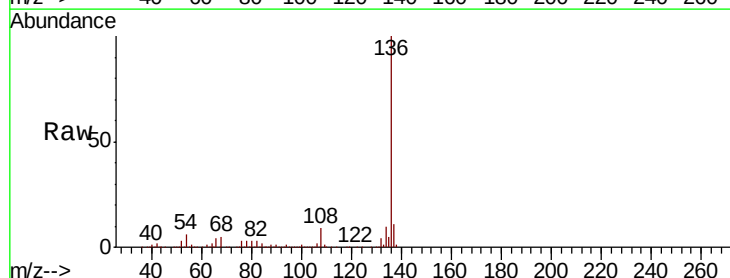
Ion Ratio Lower Upper

136 100

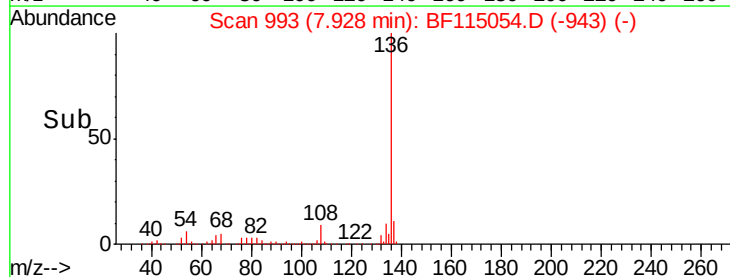
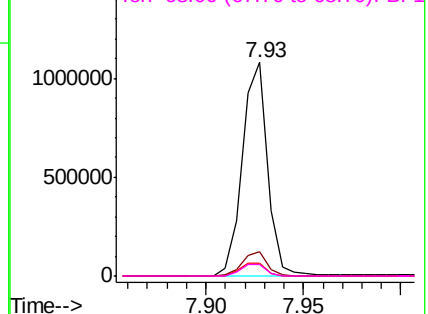
137 11.2 9.0 13.4

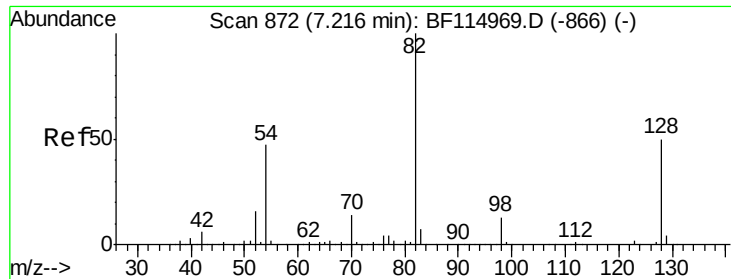
54 6.1 5.4 8.0

68 5.4 4.6 7.0



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

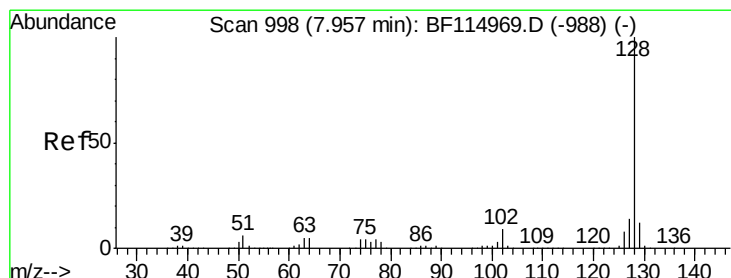
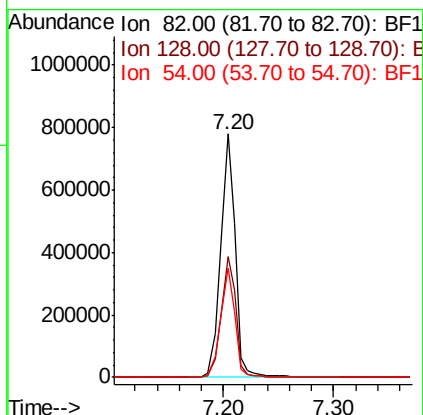
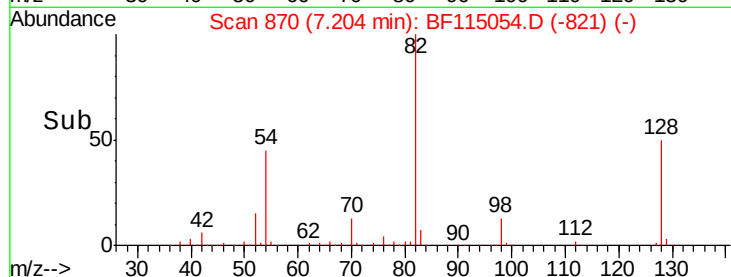
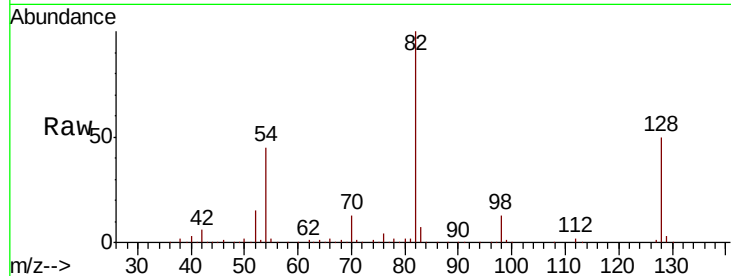




#23
Nitrobenzene-d5
Concen: 44.712 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

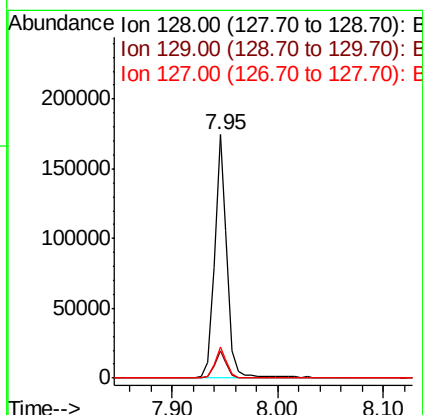
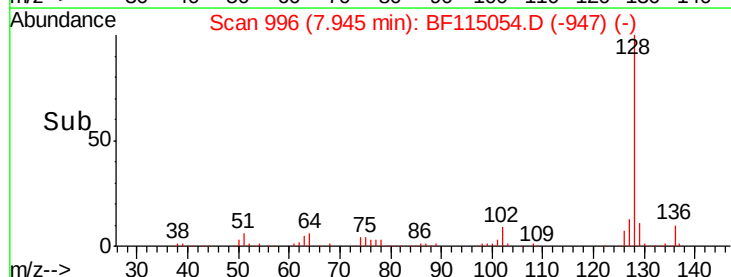
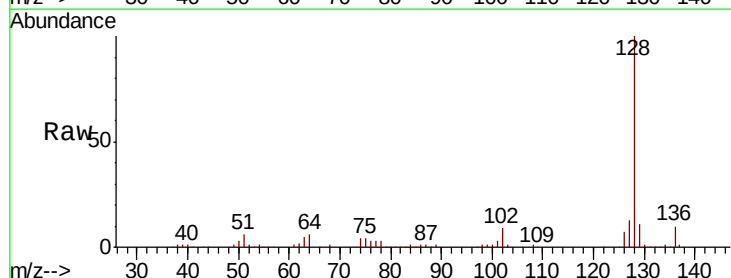
Instrument :
BNA_F
ClientSampleId :
RT-3425

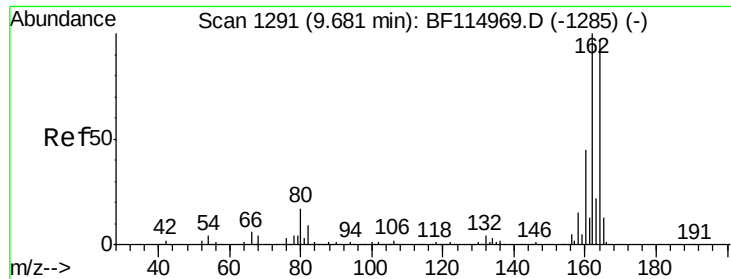
Tot Ion: 82 Resp: 719497
Ion Ratio Lower Upper
82 100
128 49.6 39.9 59.9
54 44.9 37.3 55.9



#31
Naphthalene
Concen: 3.186 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:128 Resp: 146024
Ion Ratio Lower Upper
128 100
129 11.3 9.5 14.3
127 12.7 11.5 17.3

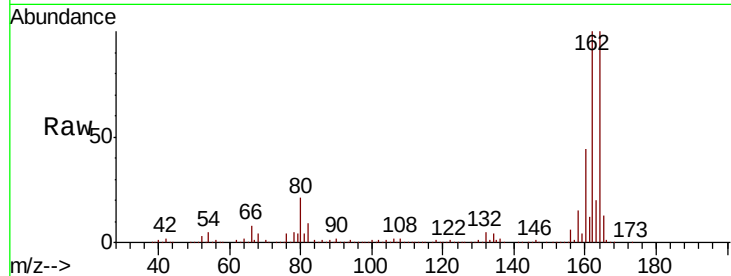




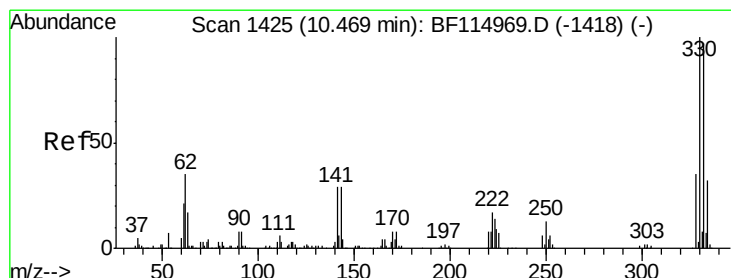
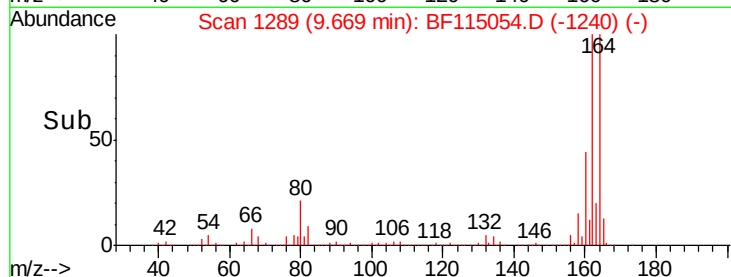
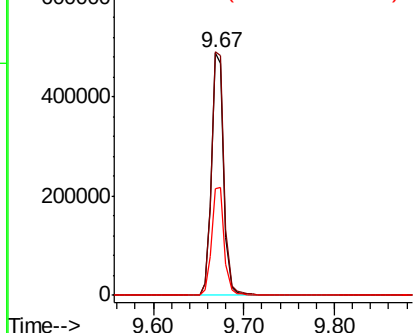
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: BF115054.D
 Acq: 14 Jun 2019 21:44

Instrument :
 BNA_F
 ClientSampleId :
 RT-3425

Tot Ion:164 Resp: 465876
 Ion Ratio Lower Upper
 164 100
 162 100.3 82.6 124.0
 160 43.9 36.9 55.3

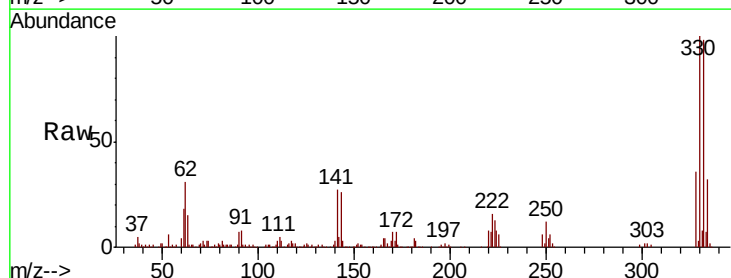


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

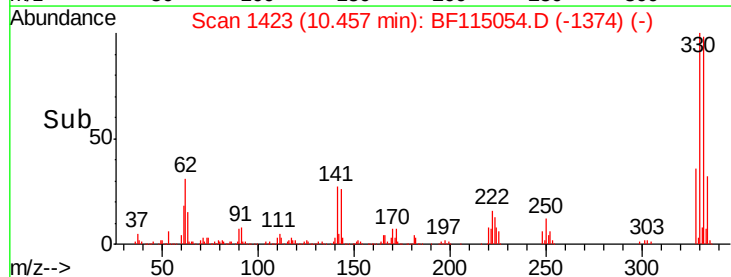
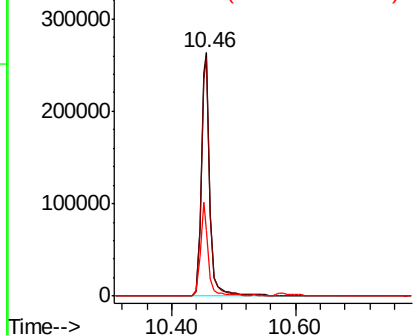


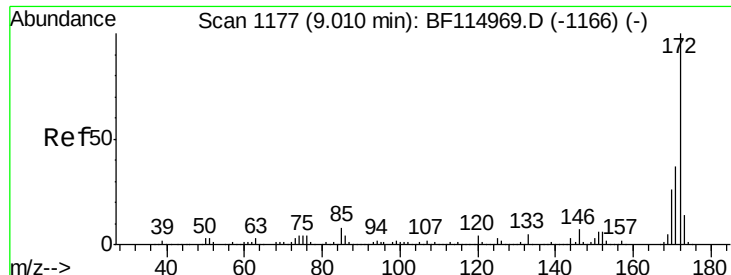
#42
 2,4,6-Tribromophenol
 Concen: 52.819 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF115054.D
 Acq: 14 Jun 2019 21:44

Tgt Ion:330 Resp: 263508
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.6 116.4
 141 34.5 27.2 40.8



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

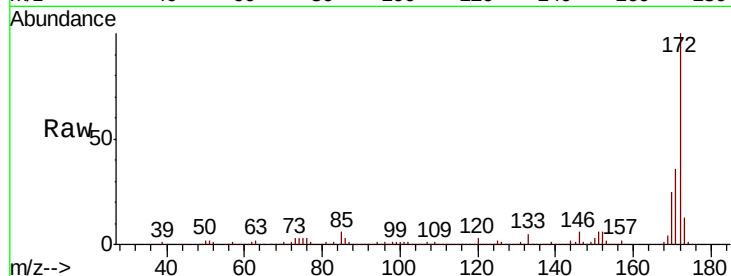




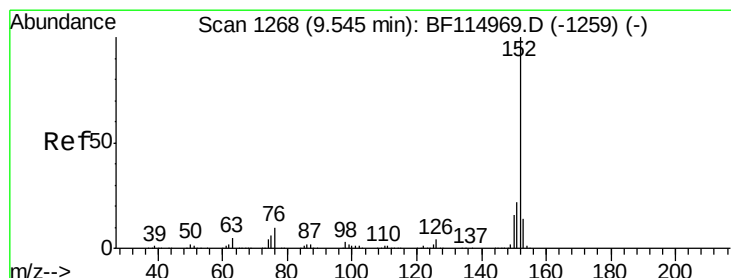
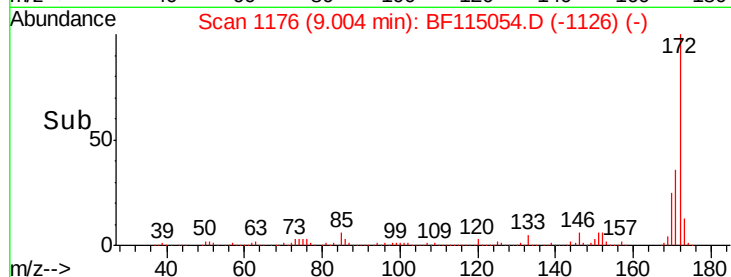
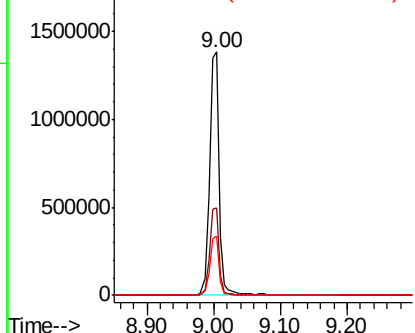
#45
2-Fluorobiphenyl
Concen: 50.630 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion:172 Resp: 1391724
Ion Ratio Lower Upper
172 100
171 36.1 29.8 44.6
170 24.5 20.6 31.0

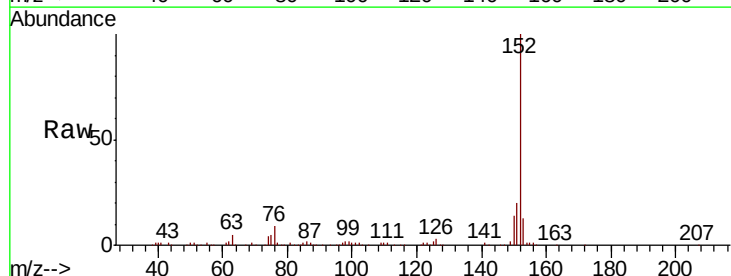


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

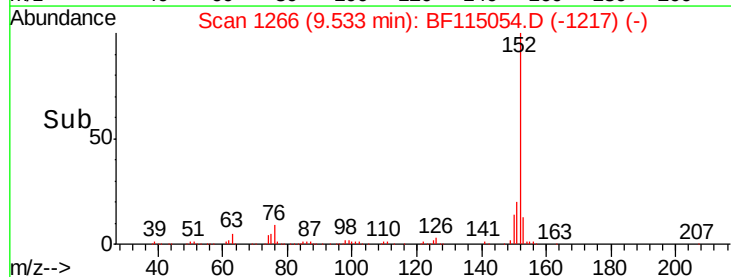
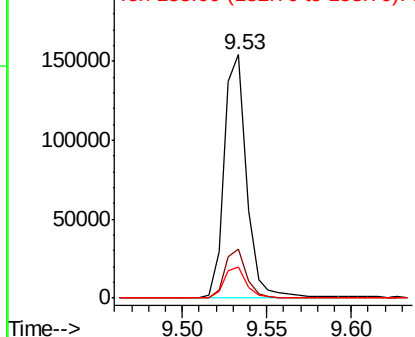


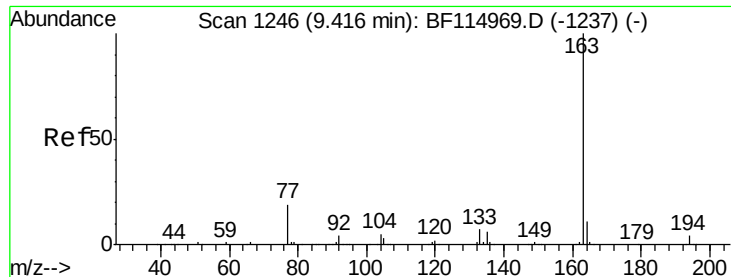
#49
Acenaphthylene
Concen: 3.112 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:152 Resp: 144448
Ion Ratio Lower Upper
152 100
151 20.2 17.5 26.3
153 12.7 11.2 16.8



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: 4.899 ng

RT: 9.39 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

Instrument :

BNA_F

ClientSampleId :

RT-3425

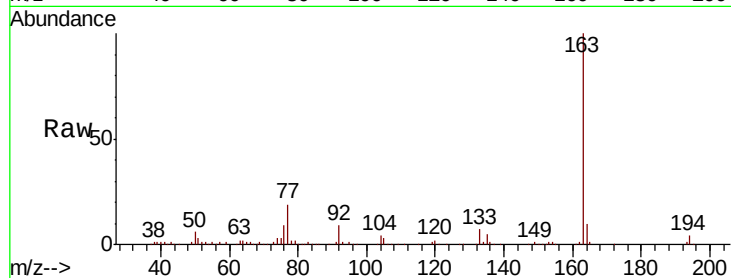
Tot Ion:163 Resp: 171632

Ion Ratio Lower Upper

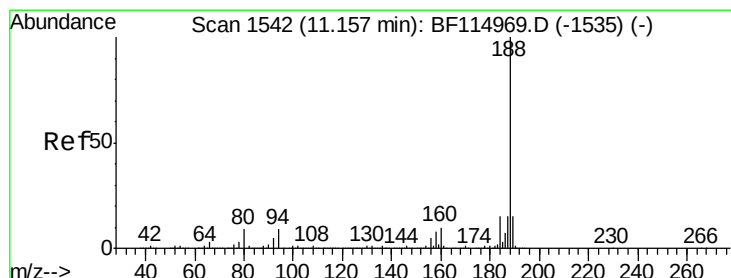
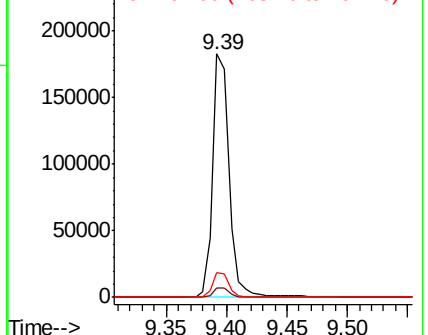
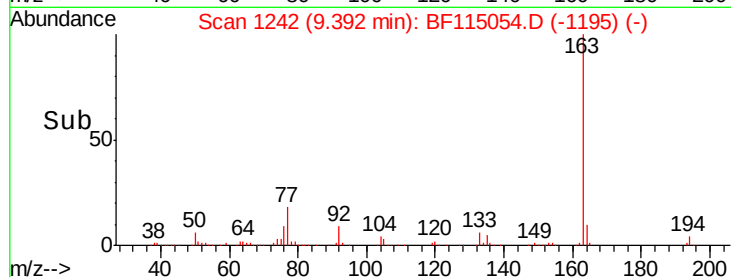
163 100

194 3.9 3.3 4.9

164 10.1 8.6 12.8



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: 11.14 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

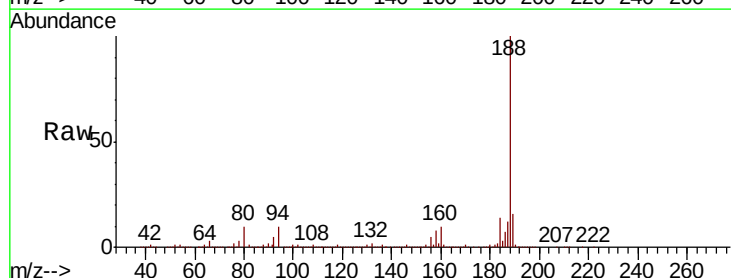
Tgt Ion:188 Resp: 781146

Ion Ratio Lower Upper

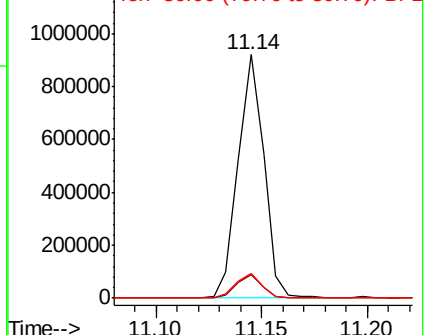
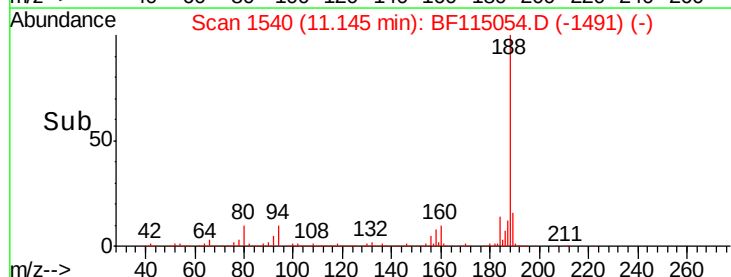
188 100

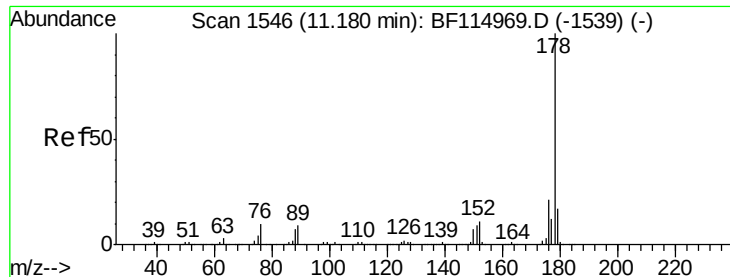
94 9.8 7.2 10.8

80 10.3 7.4 11.2



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

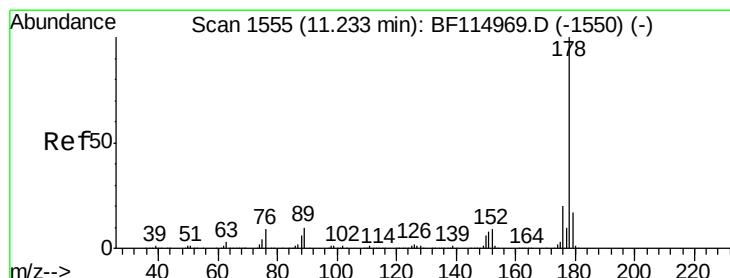
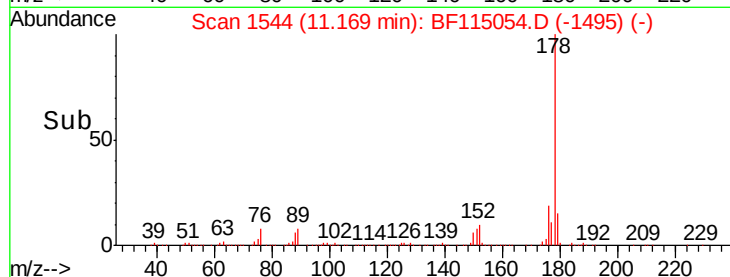
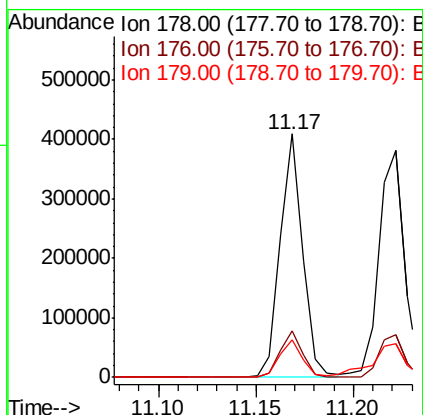
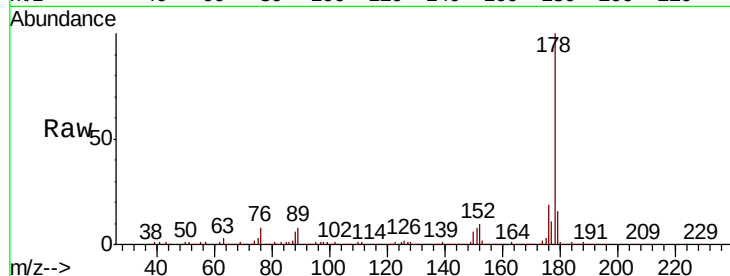




#71
Phenanthrene
Concen: 8.060 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

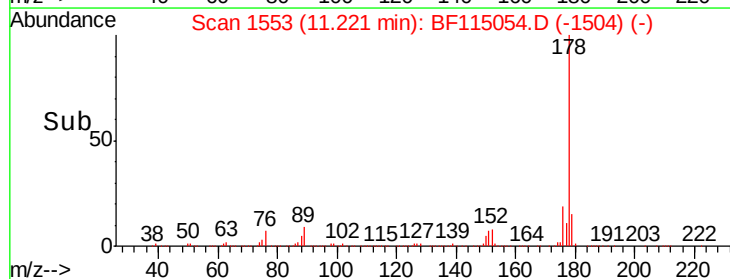
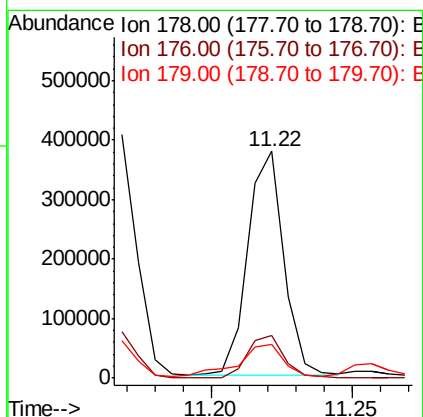
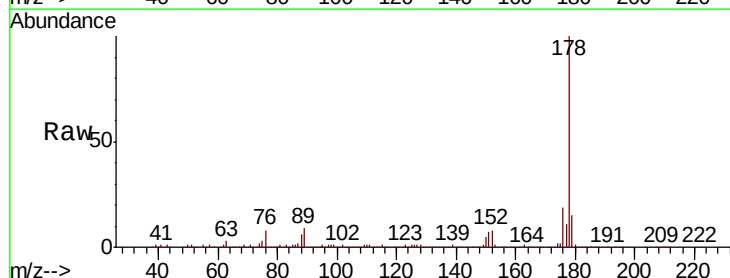
Instrument :
BNA_F
ClientSampled :
RT-3425

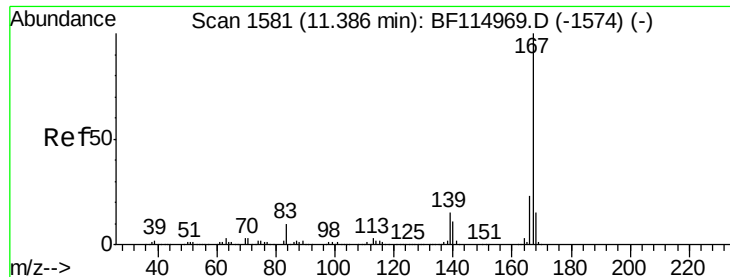
Tot Ion:178 Resp: 325086
Ion Ratio Lower Upper
178 100
176 18.8 16.9 25.3
179 15.5 13.4 20.0



#72
Anthracene
Concen: 8.268 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:178 Resp: 336399
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.1 13.2 19.8

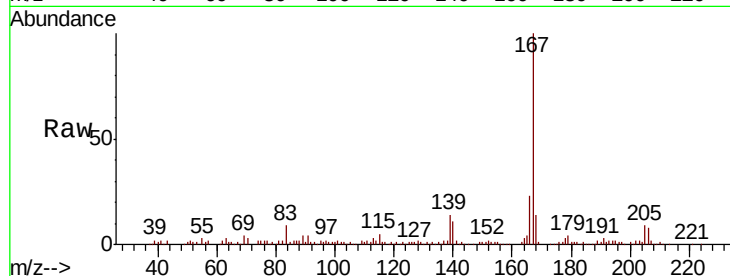




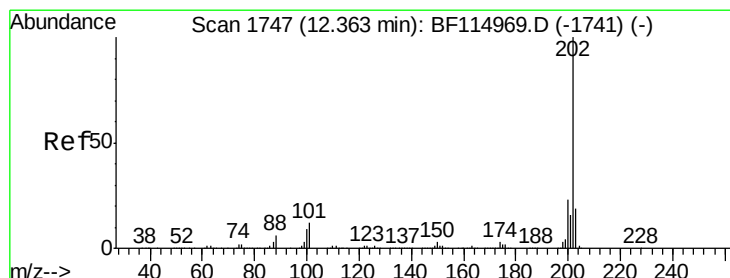
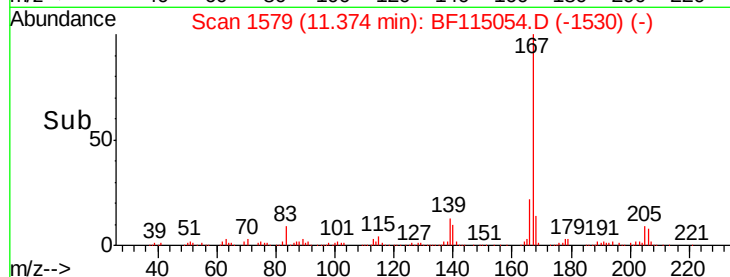
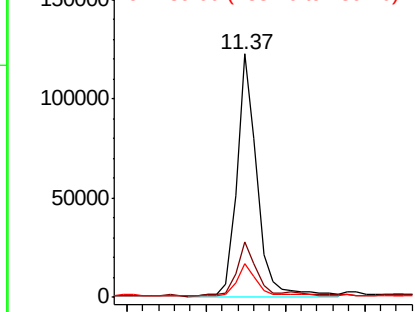
#73
 Carbazole
 Concen: 3.016 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF115054.D
 Acq: 14 Jun 2019 21:44

Instrument :
 BNA_F
 ClientSampleId :
 RT-3425

Tot Ion:167 Resp: 107112
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.5 27.7
 139 13.7 12.0 18.0

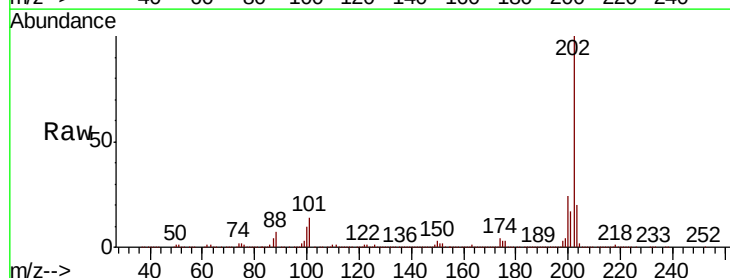


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

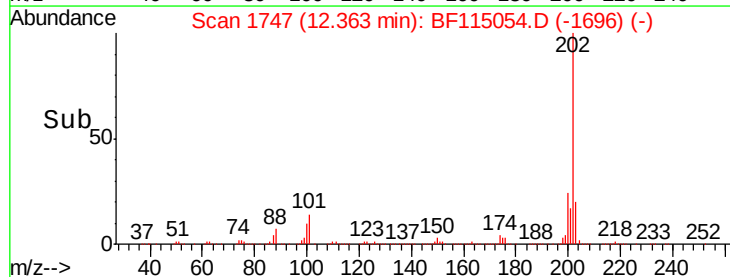
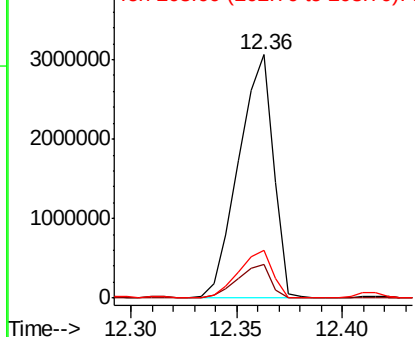


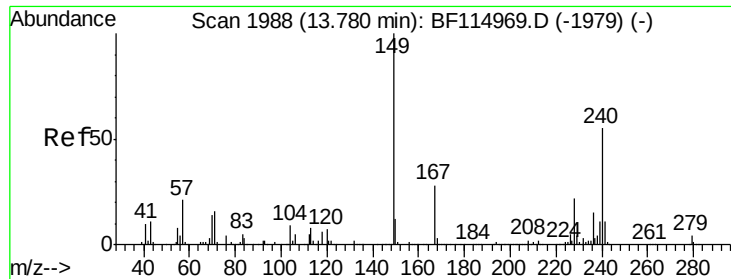
#75
 Fluoranthene
 Concen: 84.820 ng
 RT: 12.36 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: BF115054.D
 Acq: 14 Jun 2019 21:44

Tgt Ion:202 Resp: 3498063
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 32.4
 203 19.6 0.0 38.6



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

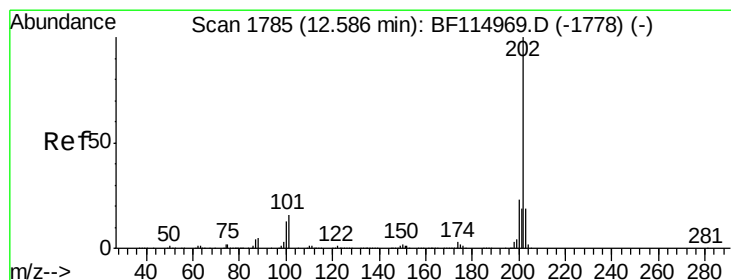
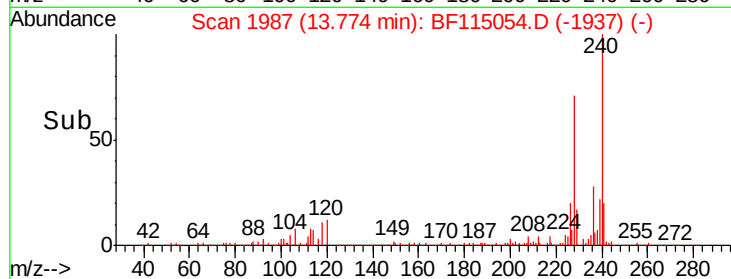
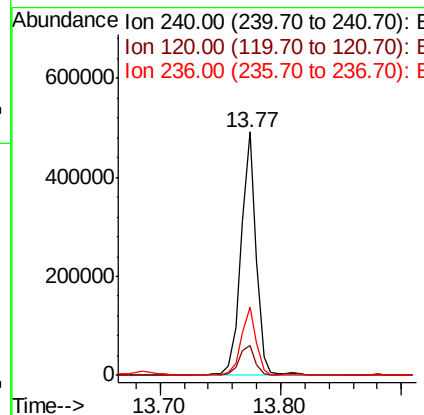
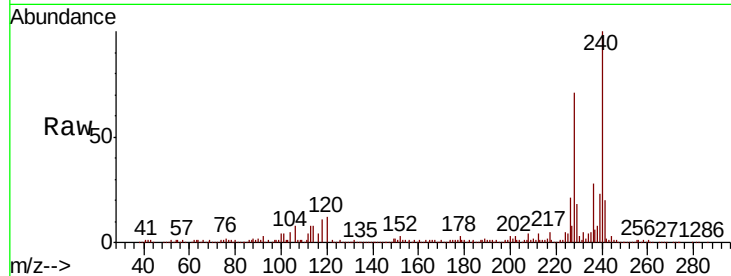




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.77 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

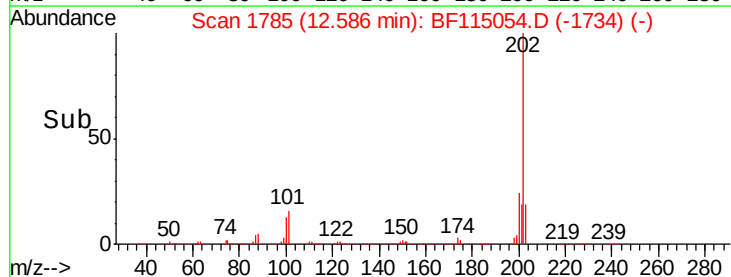
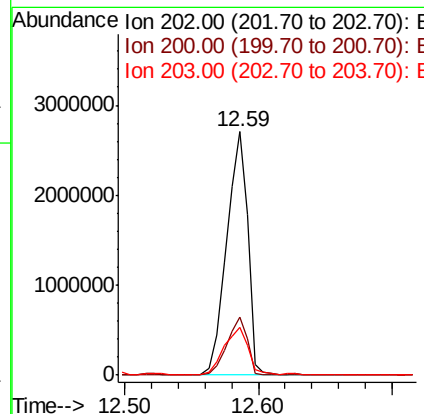
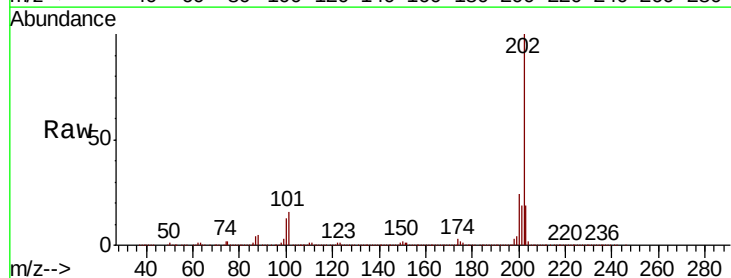
Instrument :
BNA_F
ClientSampleId :
RT-3425

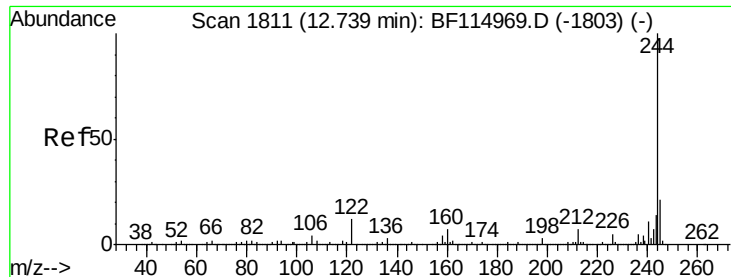
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	27.8	21.6	32.4



#78
Pyrene
Concen: 77.802 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.7	18.4	27.6
203	19.5	14.9	22.3





#79

Terphenyl-d14

Concen: 47.130 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

Instrument :

BNA_F

ClientSampleId :

RT-3425

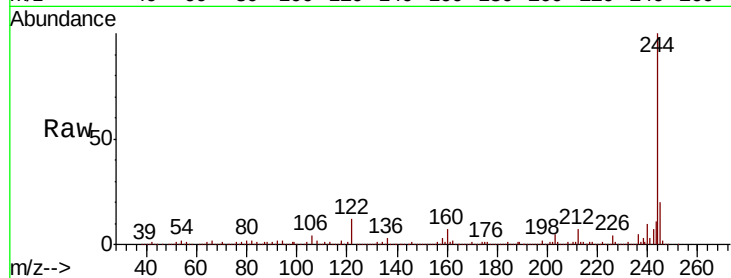
Tot Ion:244 Resp: 1068853

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

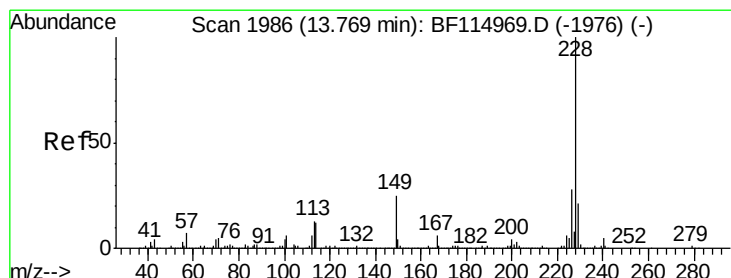
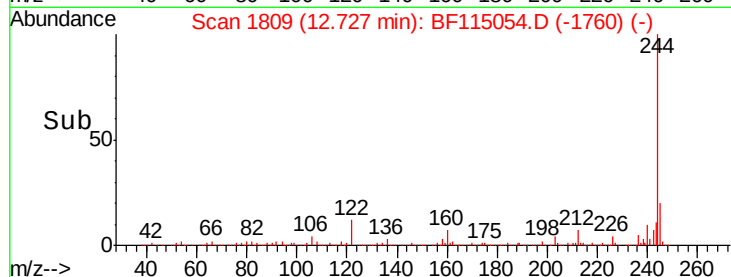
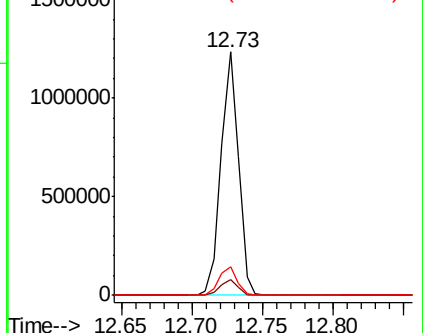
122 11.8 9.4 14.0



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: 41.908 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

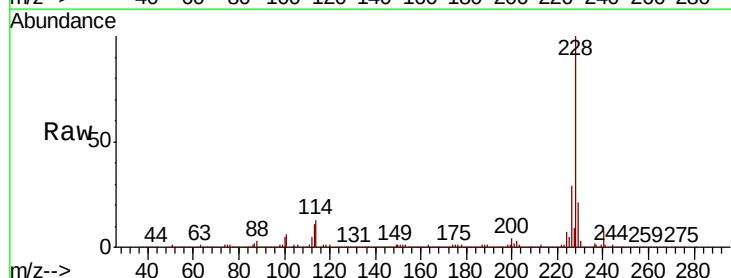
Tgt Ion:228 Resp: 1337750

Ion Ratio Lower Upper

228 100

226 29.0 22.0 33.0

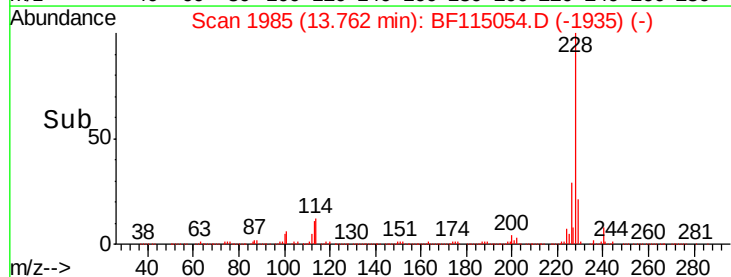
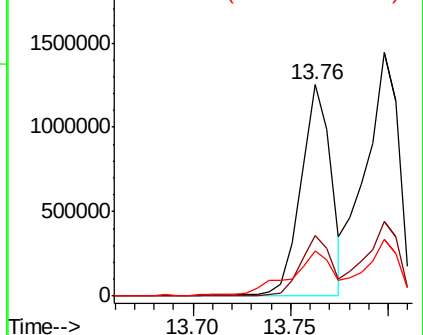
229 21.2 16.6 25.0

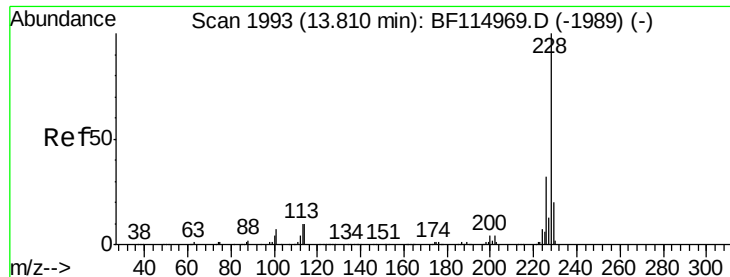


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

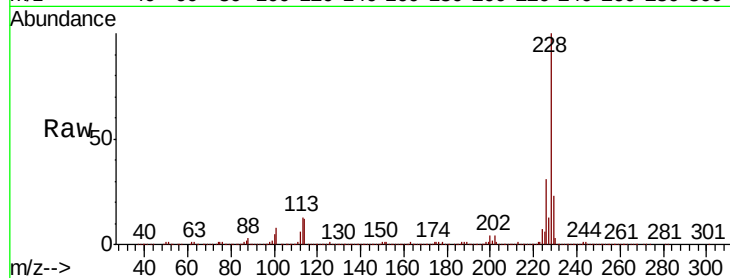




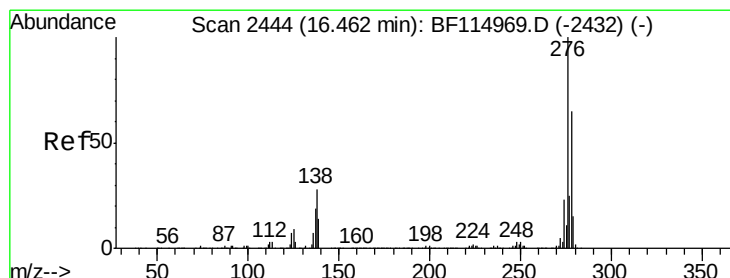
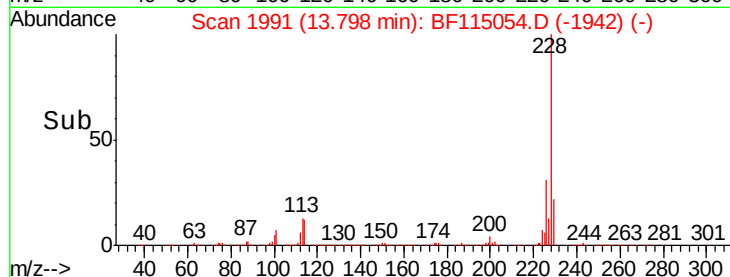
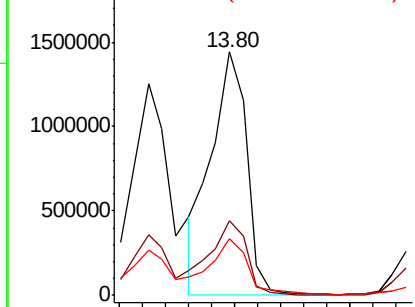
#83
Chrysene
Concen: 48.732 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tot Ion:228 Resp: 1546862
Ion Ratio Lower Upper
228 100
226 30.9 25.4 38.0
229 23.3 16.4 24.6

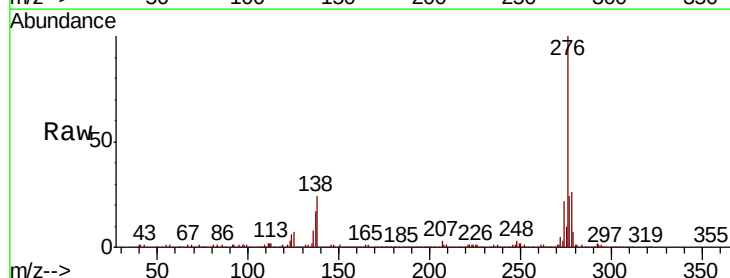


Abundance Ion 228.00 (227.70 to 228.70): E
2000000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

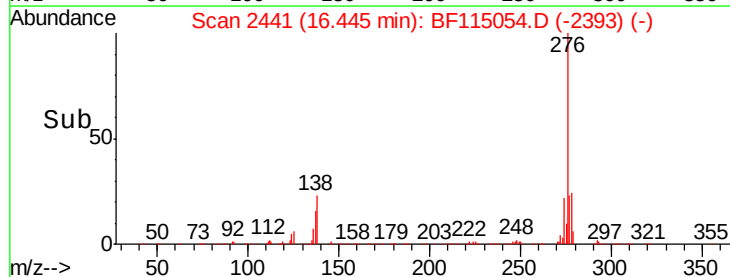
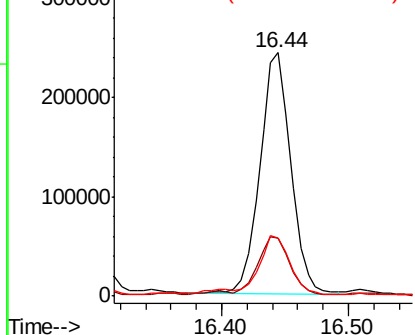


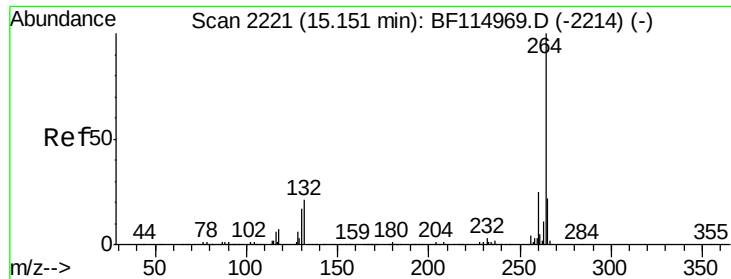
#86
Indeno(1,2,3-cd)pyrene
Concen: 14.795 ng
RT: 16.44 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion:276 Resp: 412538
Ion Ratio Lower Upper
276 100
138 25.1 23.0 34.4
277 24.8 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E
300000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

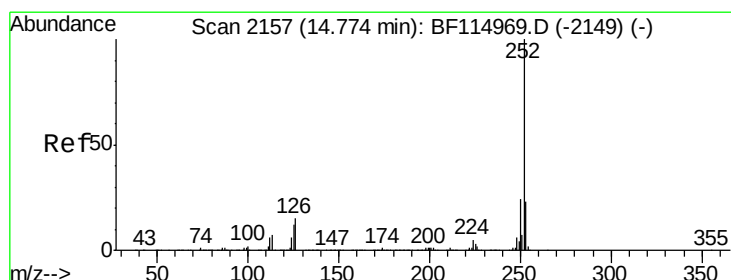
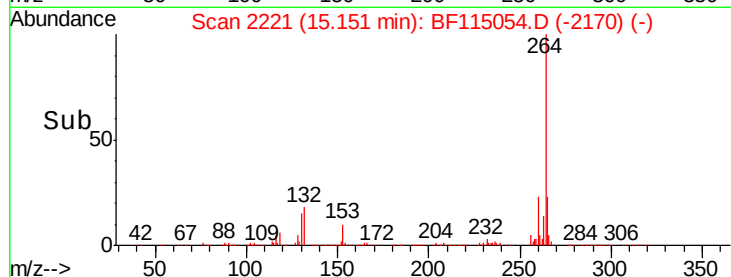
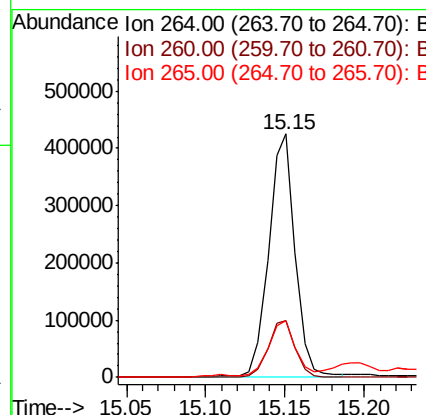
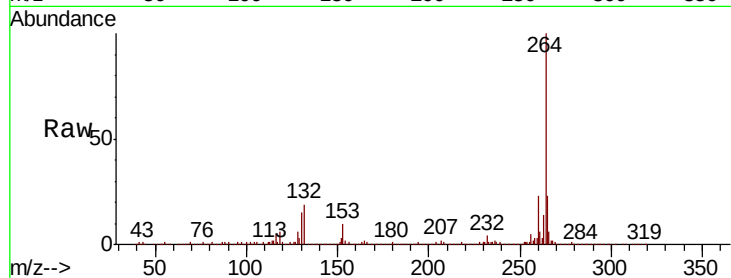




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

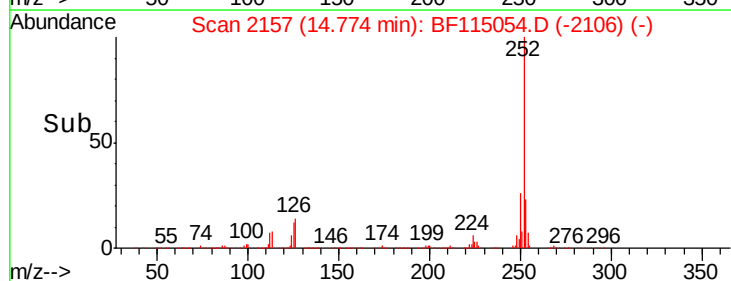
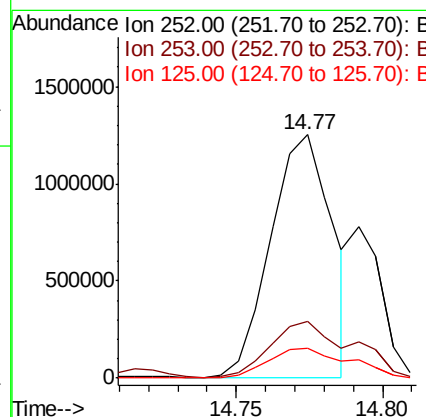
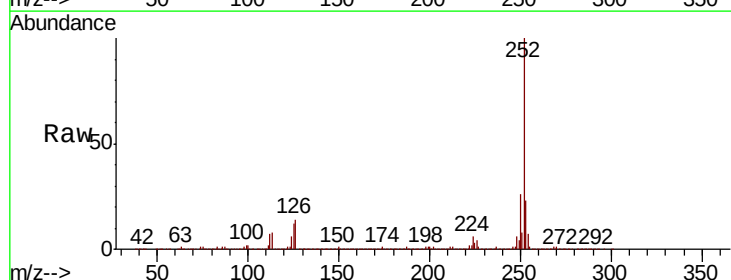
Instrument :
BNA_F
ClientSampleId :
RT-3425

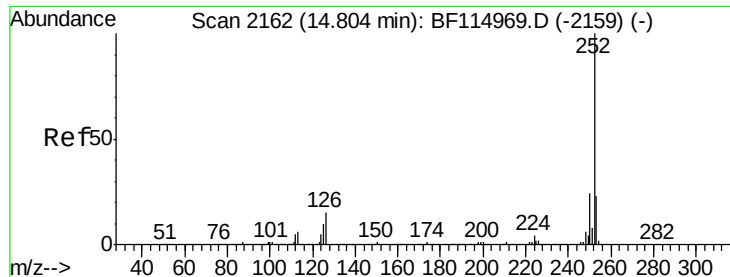
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.9	29.9
265	23.1	17.6	26.4



#88
Benzo(b)fluoranthene
Concen: 56.398 ng m
RT: 14.77 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BF115054.D
Acq: 14 Jun 2019 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	12.5	9.4	14.0





#89

Benzo(k)fluoranthene

Concen: 19.821 ng

RT: 14.79 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

Instrument :

BNA_F

ClientSampleId :

RT-3425

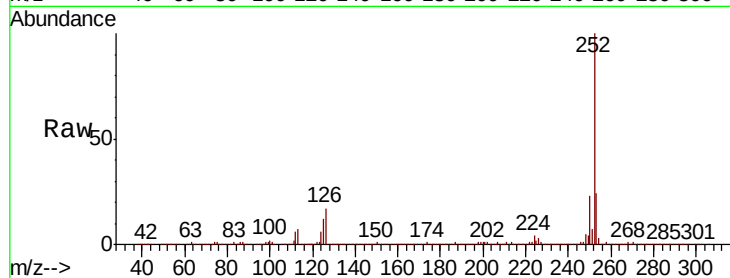
Tot Ion:252 Resp: 569854

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

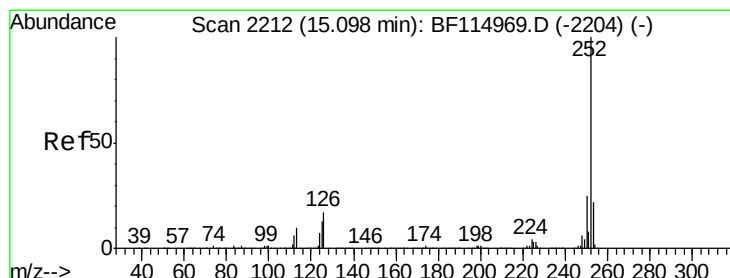
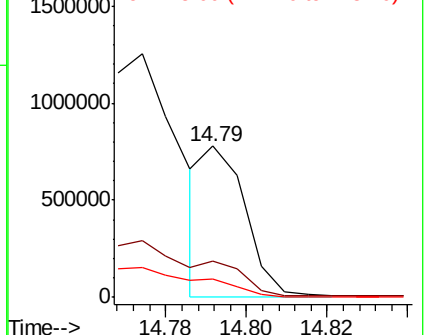
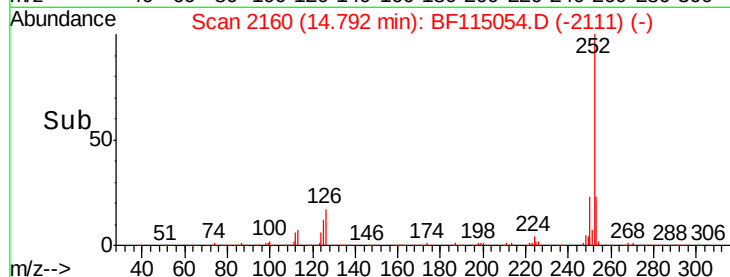
125 12.3 8.2 12.4



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: 30.119 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

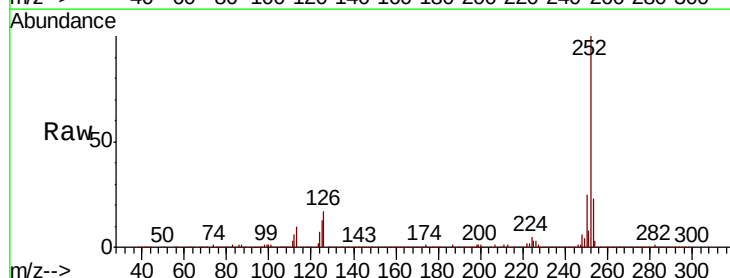
Tgt Ion:252 Resp: 851247

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

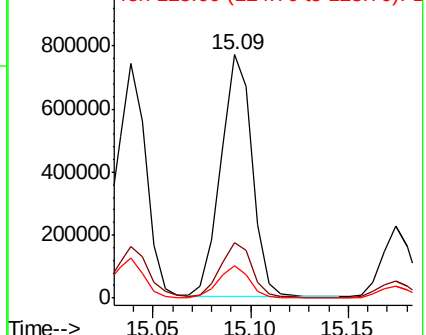
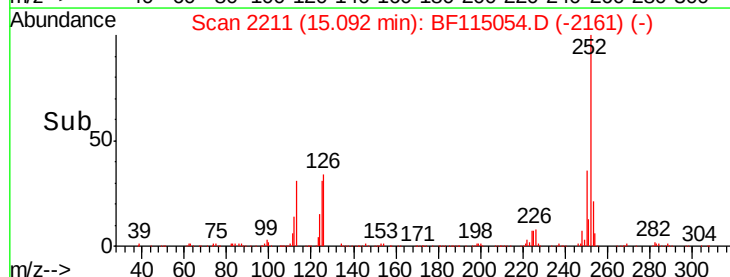
125 13.2 10.7 16.1

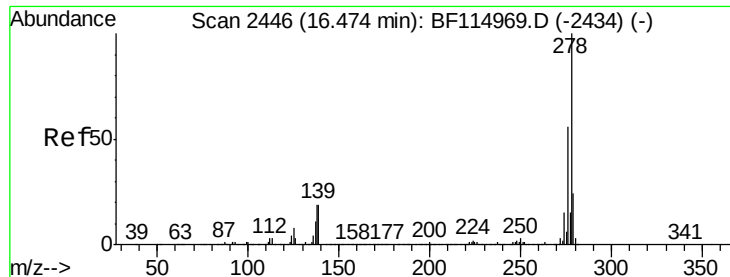


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 5.165 ng

RT: 16.45 min Scan# 2442

Delta R.T. -0.02 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

Instrument :

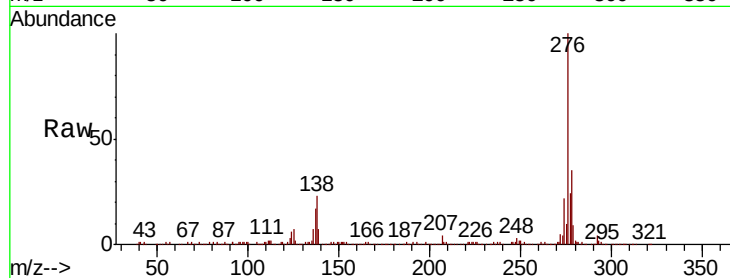
BNA_F

ClientSampleId :

RT-3425

Tot Ion:278 Resp: 125720

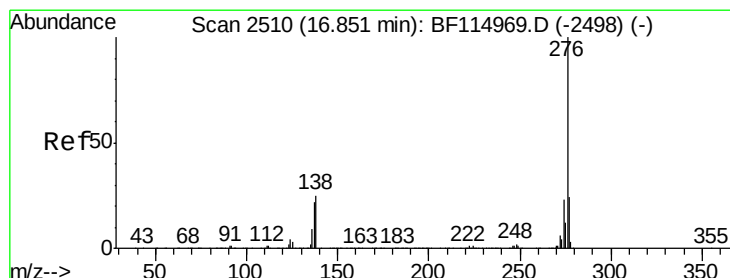
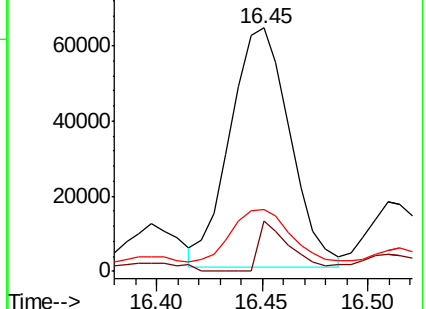
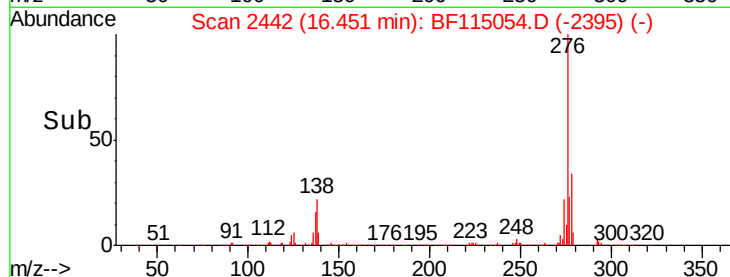
Ion	Ratio	Lower	Upper
278	100		
139	20.4	15.3	22.9
279	25.4	19.2	28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 13.767 ng

RT: 16.83 min Scan# 2507

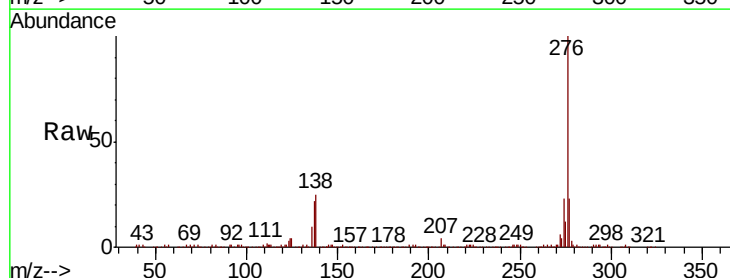
Delta R.T. -0.02 min

Lab File: BF115054.D

Acq: 14 Jun 2019 21:44

Tgt Ion:276 Resp: 341741

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.8	28.2
138	24.8	20.2	30.4



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

