

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
 Data File : BF115905.D
 Acq On : 1 Aug 2019 14:05
 Operator : HP/JU
 Sample : K4066-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 18:03:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	151687	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	575773	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	290421	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	438349	20.00	ng	0.00
76) Chrysene-d12	14.02	240	295356	20.00	ng	0.00
87) Perylene-d12	15.50	264	365393	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1085183	119.76	ng	0.01
7) Phenol-d6	6.49	99	1421854	124.37	ng	0.00
23) Nitrobenzene-d5	7.42	82	920214	92.25	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	305774	108.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1417550	91.43	ng	0.00
79) Terphenyl-d14	12.97	244	1150365	82.07	ng	0.00

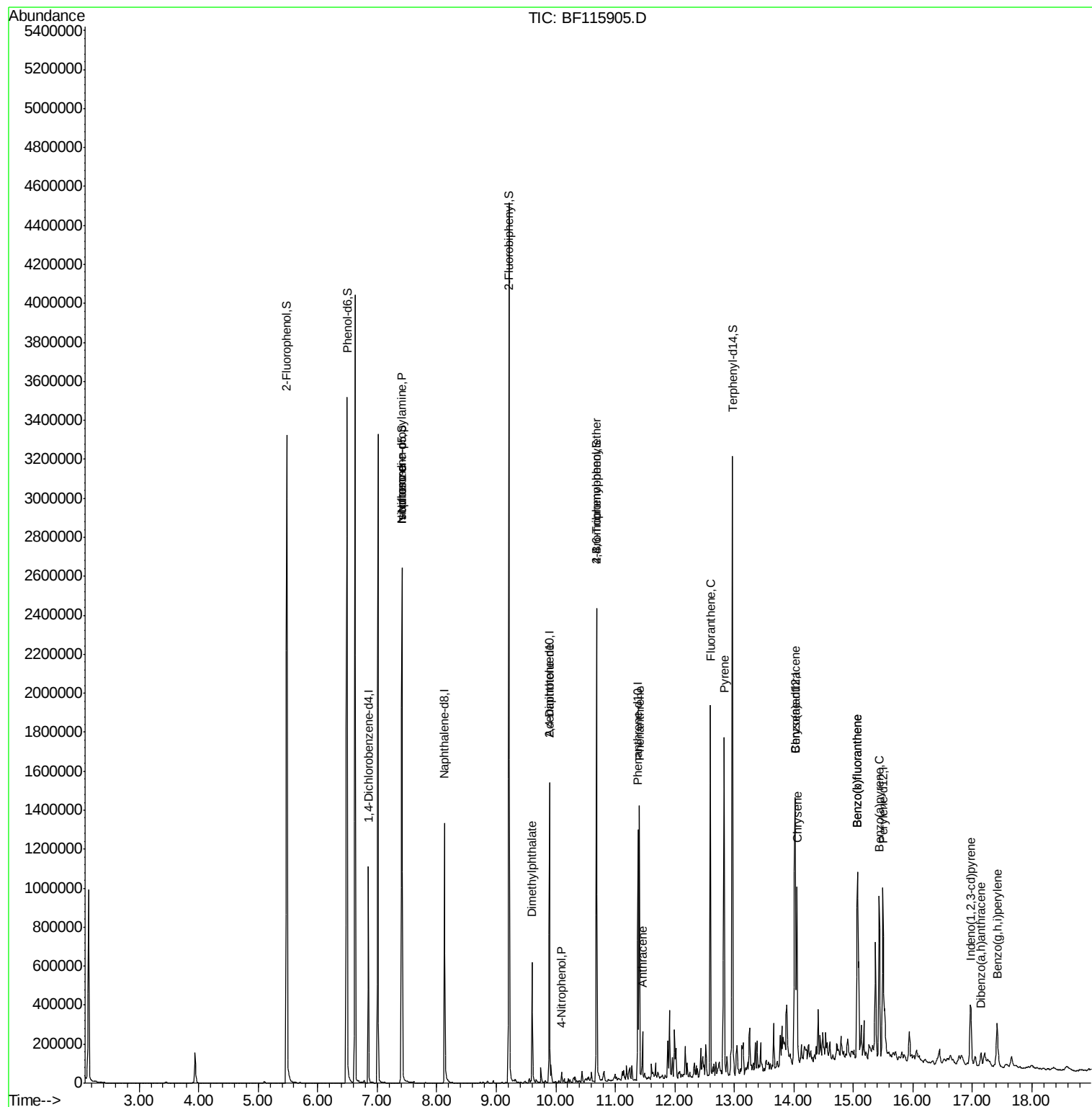
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.42	70	122701	17.320	ng	# 78
25) Isophorone	7.42	82	920210	48.246	ng	# 66
50) Dimethylphthalate	9.60	163	238518	12.062	ng	99
56) 4-Nitrophenol	10.10	139	7020	2.064	ng	# 11
57) 2,4-Dinitrotoluene	9.89	165	37530	6.559	ng	# 24
67) 4-Bromophenyl-phenylether	10.69	248	19261	4.105	ng	# 1
71) Phenanthrene	11.40	178	476097	21.245	ng	99
72) Anthracene	11.46	178	101682	4.483	ng	98
75) Fluoranthene	12.60	202	717988	30.604	ng	100
78) Pyrene	12.83	202	689548	30.971	ng	99
81) Benzo(a)anthracene	14.02	228	391157	20.720	ng	95
83) Chrysene	14.05	228	352792	19.249	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	202120	13.130	ng	96
88) Benzo(b)fluoranthene	15.07	252	681390	32.251	ng	# 96
89) Benzo(k)fluoranthene	15.07	252	681390	33.112	ng	100
90) Benzo(a)pyrene	15.43	252	382204	20.237	ng	99
91) Dibenzo(a,h)anthracene	17.14	278	45871	2.806	ng	93
92) Benzo(g,h,i)perylene	17.42	276	183980	11.459	ng	99

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

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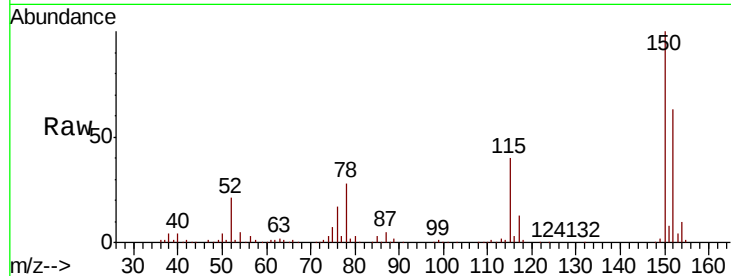


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.4	191.0
115	63.5	51.8	77.8

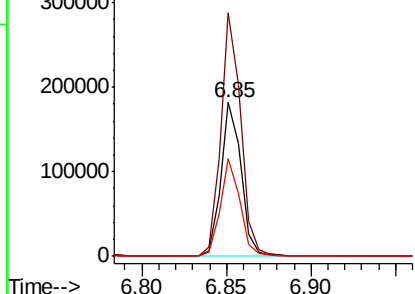
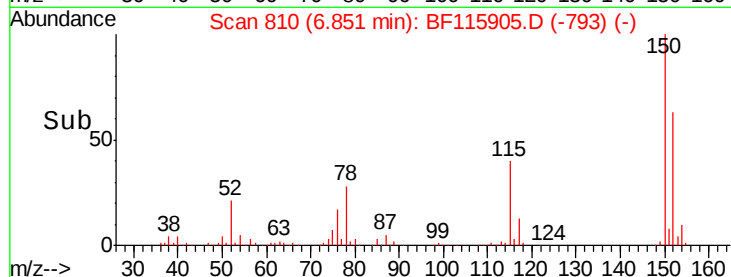


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

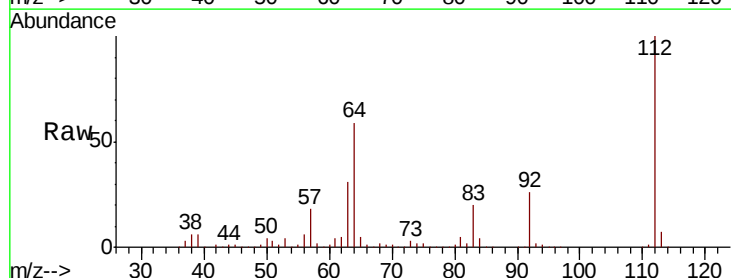
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.764 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	46.8	70.2
63	30.5	24.2	36.2

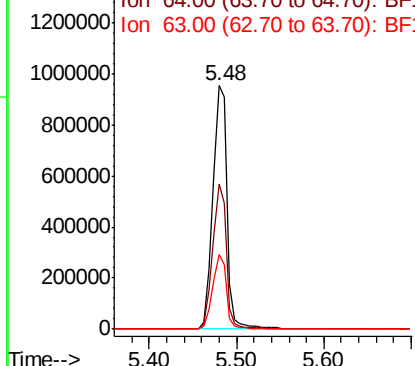
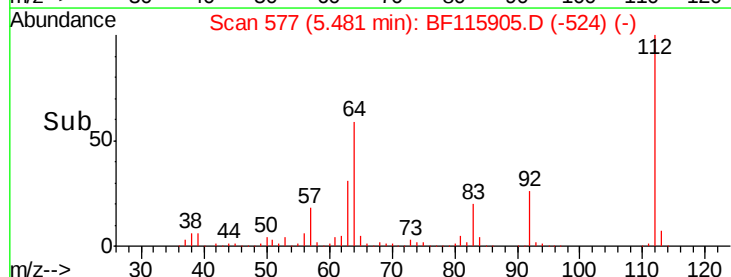


Abundance

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: 124.374 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

Instrument :

BNA_F

ClientSampleId :

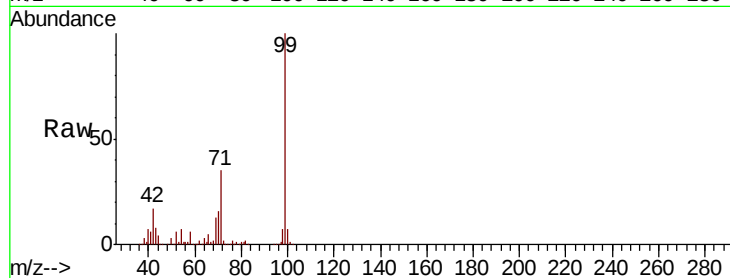
Tot Ion: 99 Resp: 1421854

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.6

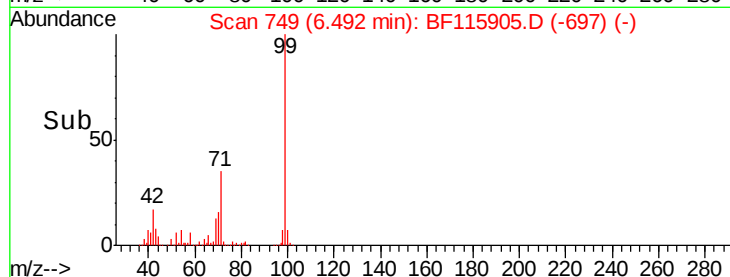
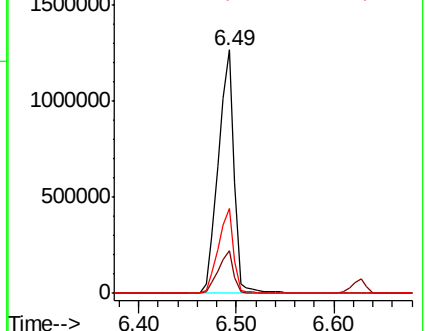
71 34.9 27.1 40.7



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: 17.320 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

Tgt Ion: 70 Resp: 122701

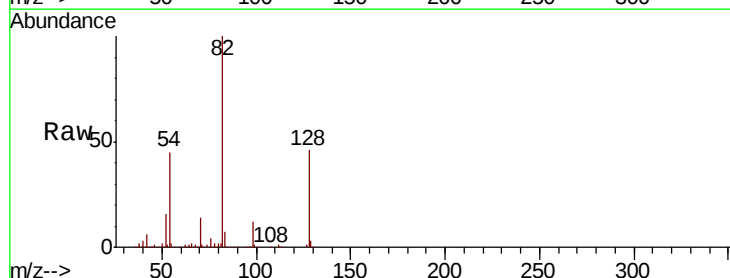
Ion Ratio Lower Upper

70 100

42 43.5 41.8 62.8

101 0.0 7.7 11.5#

130 2.1 17.8 26.6#

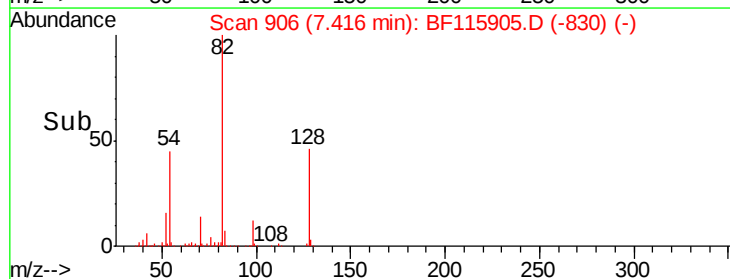
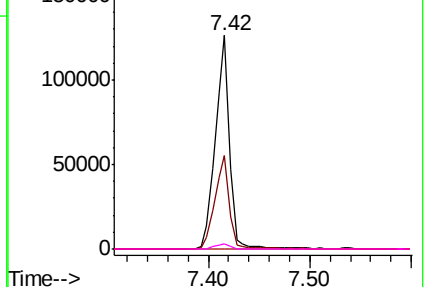


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 575773

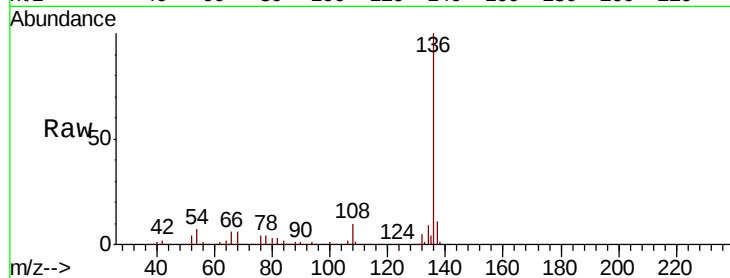
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.0 6.1 9.1

68 6.1 5.4 8.2

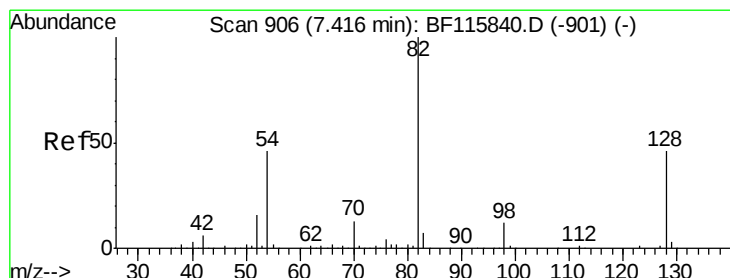
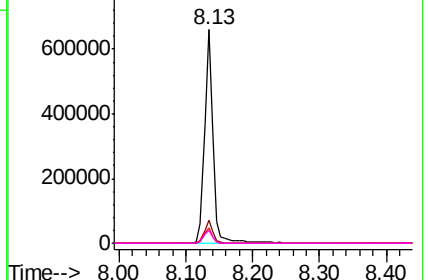
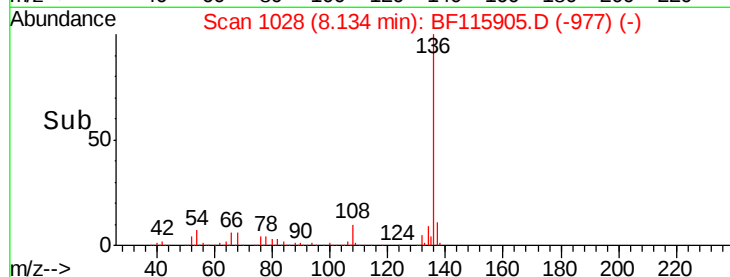


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.254 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

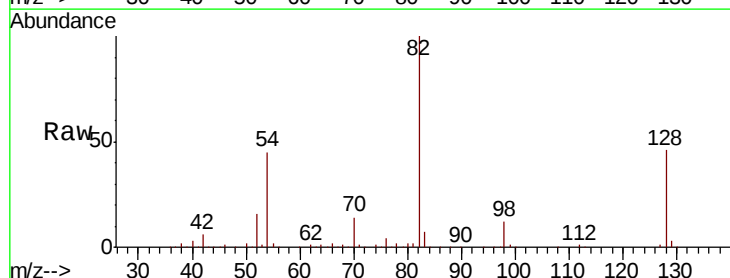
Tgt Ion: 82 Resp: 920214

Ion Ratio Lower Upper

82 100

128 45.8 36.6 55.0

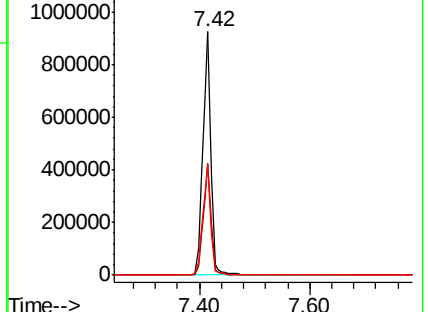
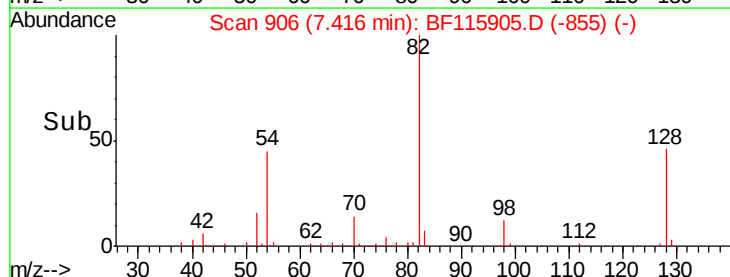
54 45.5 36.6 55.0



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: 48.246 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

Instrument :

BNA_F

ClientSampleId :

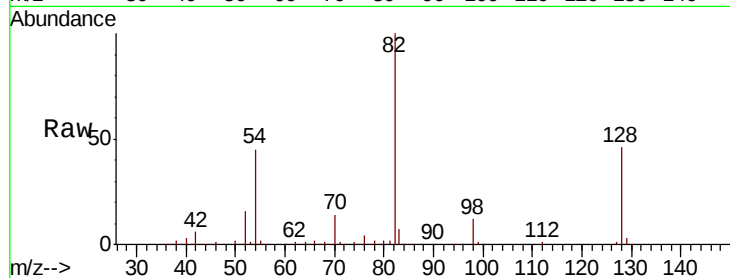
Tot Ion: 82 Resp: 920210

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

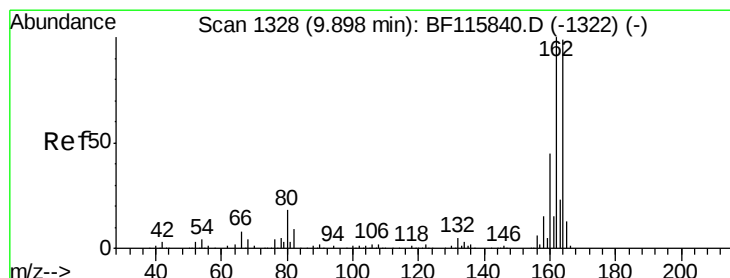
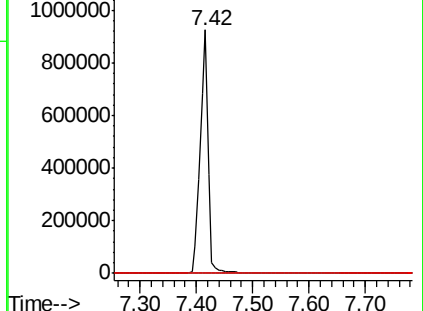
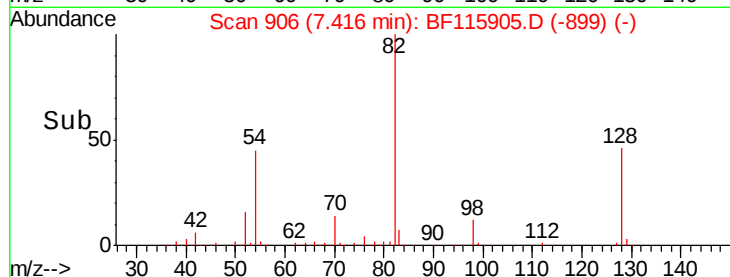
138 0.0 13.9 20.9#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

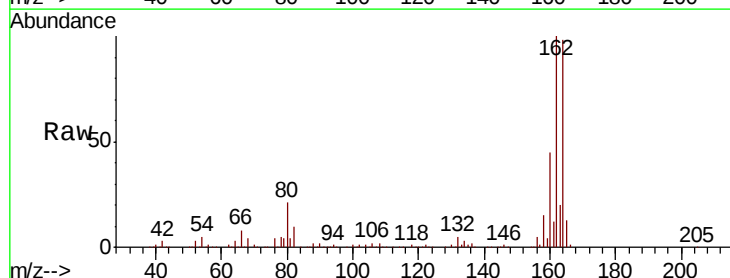
Tgt Ion:164 Resp: 290421

Ion Ratio Lower Upper

164 100

162 102.6 80.8 121.2

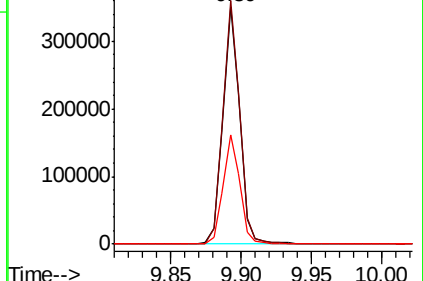
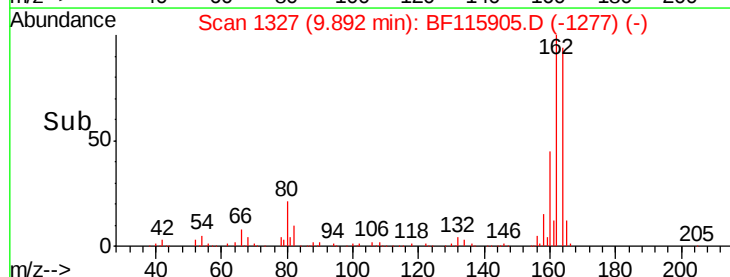
160 46.0 36.2 54.4



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

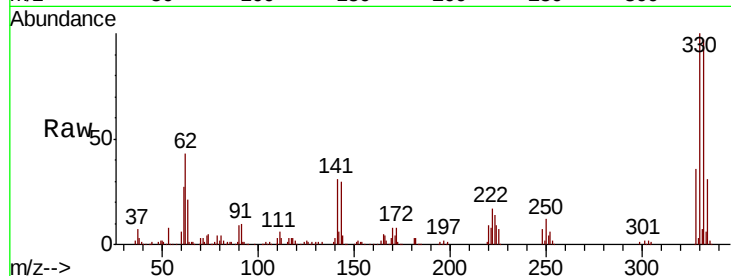




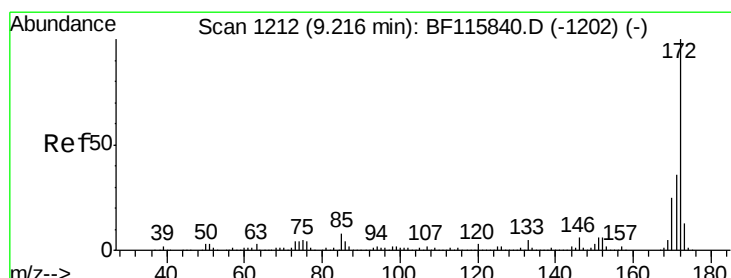
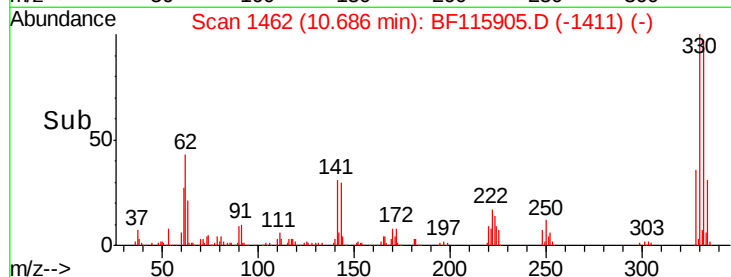
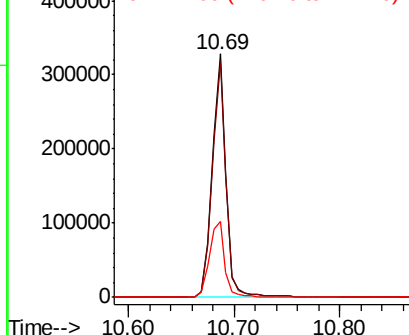
#42
 2,4,6-Tribromophenol
 Concen: 108.596 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: BF115905.D
 Acq: 1 Aug 2019 14:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 305774
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.7 116.5
 141 34.7 28.1 42.1

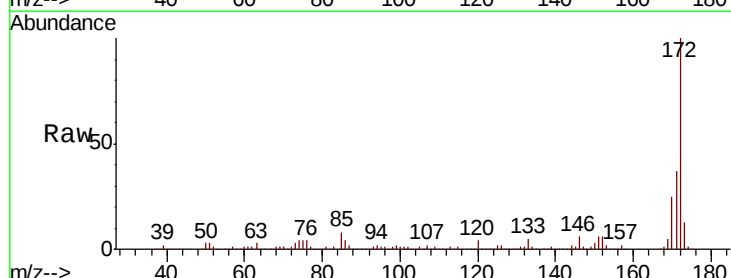


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

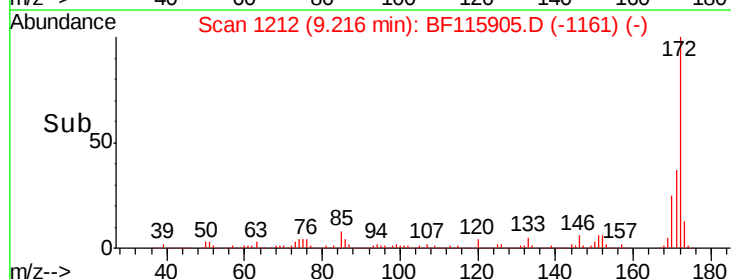
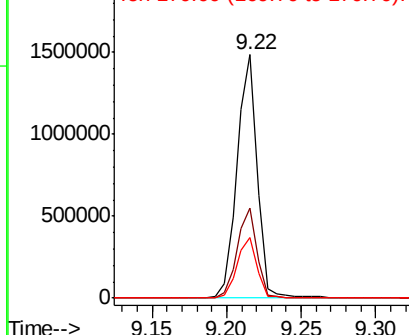


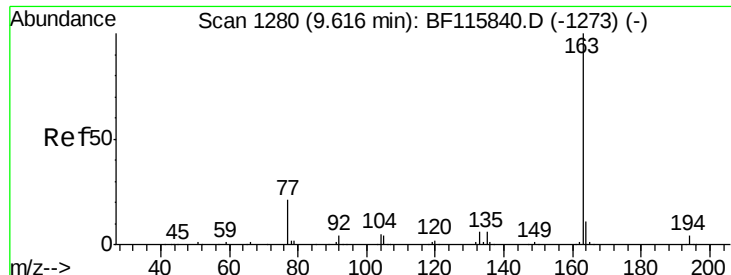
#45
 2-Fluorobiphenyl
 Concen: 91.425 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF115905.D
 Acq: 1 Aug 2019 14:05

Tgt Ion:172 Resp: 1417550
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.1 43.7
 170 24.9 20.1 30.1



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

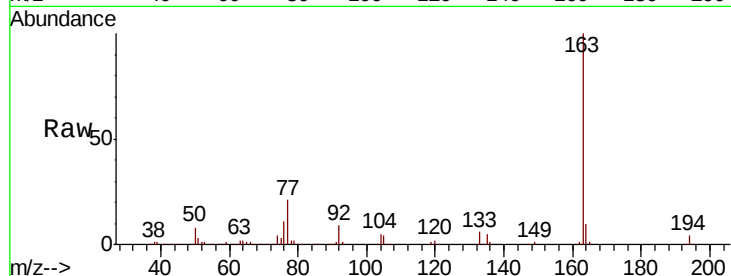




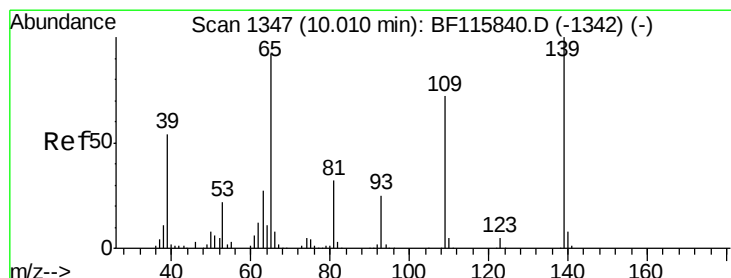
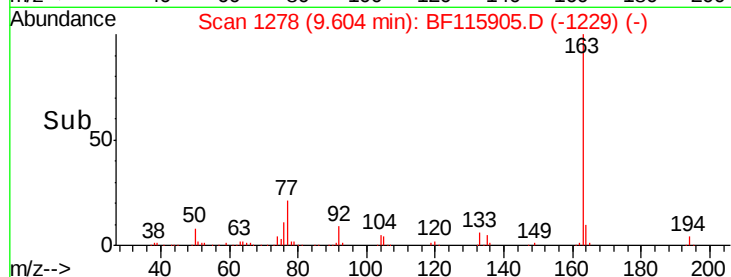
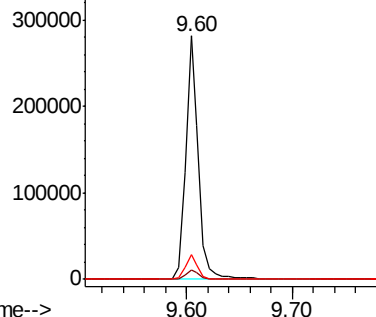
#50
Dimethylphthalate
Concen: 12.062 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.0	8.4	12.6

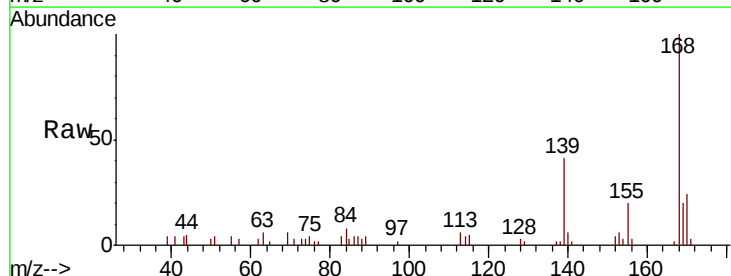


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

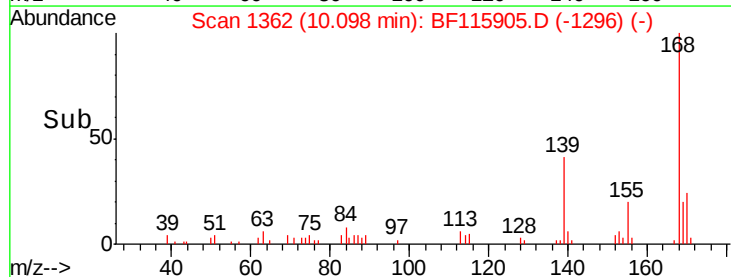
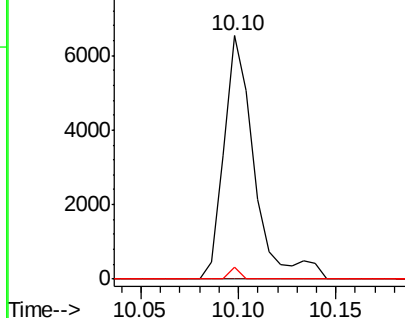


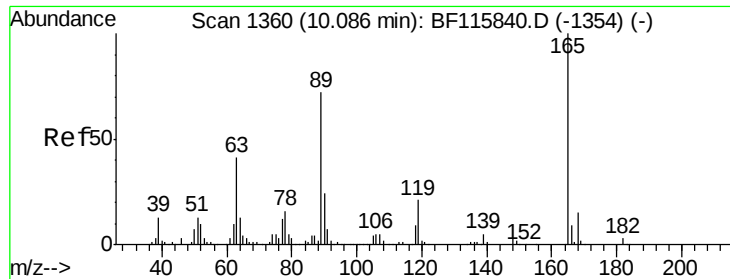
#56
4-Nitrophenol
Concen: 2.064 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.09 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	52.0	92.0#
65	4.9	72.6	112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

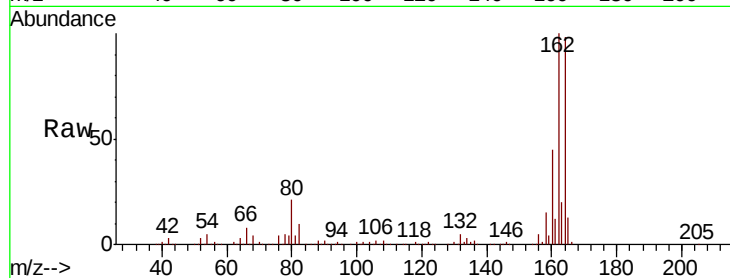




#57
 2,4-Dinitrotoluene
 Concen: 6.559 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF115905.D
 Acq: 1 Aug 2019 14:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.2	49.8#
89	1.4	57.3	85.9#
182	0.0	2.1	3.1#

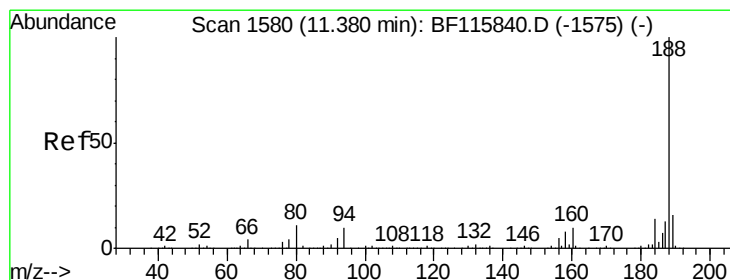
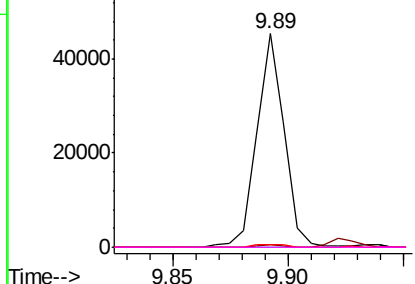
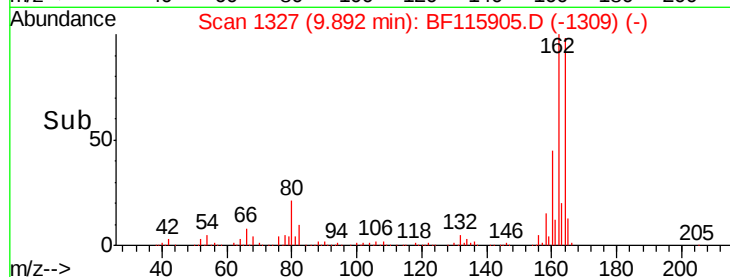


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

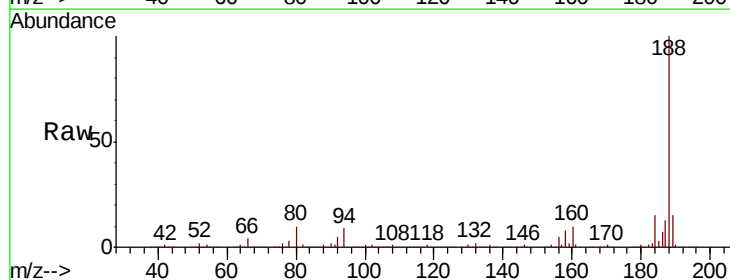
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115905.D
 Acq: 1 Aug 2019 14:05

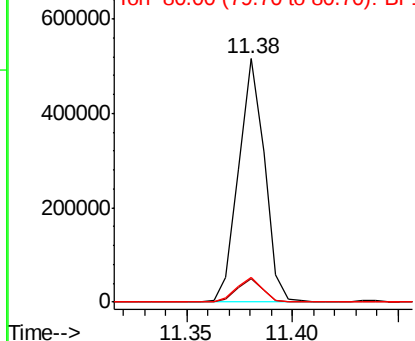
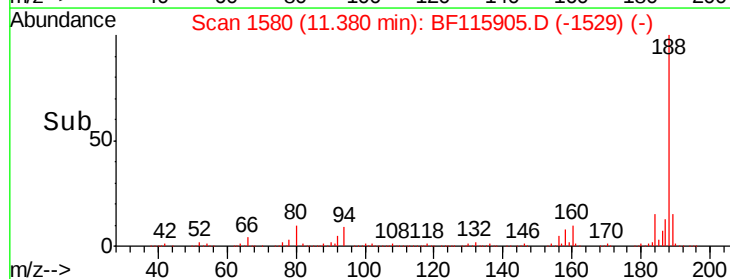
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.0	12.0
80	10.2	8.6	12.8

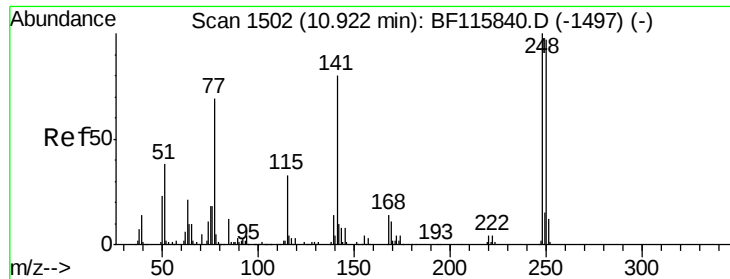


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

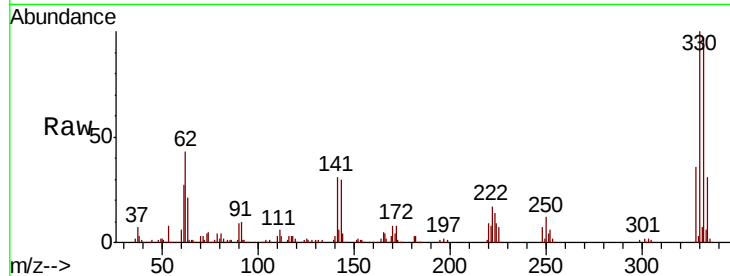




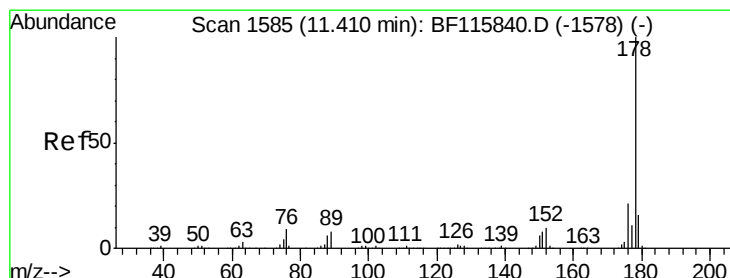
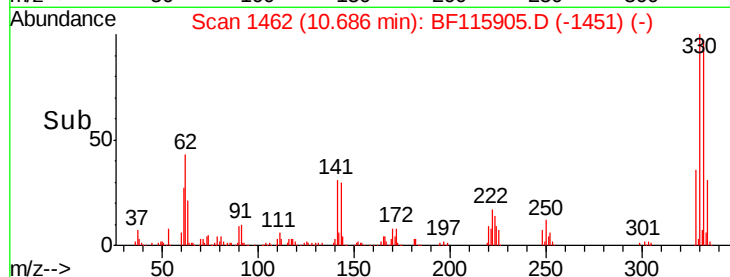
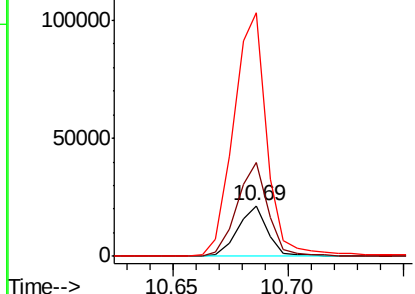
#67
 4-Bromophenyl-phenylether
 Concen: 4.105 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF115905.D
 Acq: 1 Aug 2019 14:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	185.4	77.8	116.6#
141	479.1	64.3	96.5#

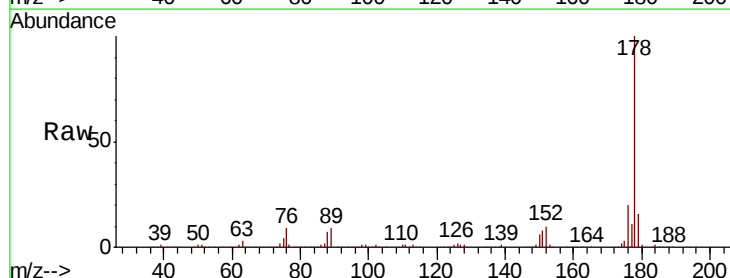


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

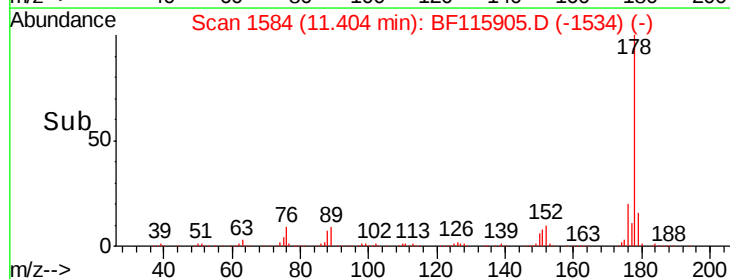
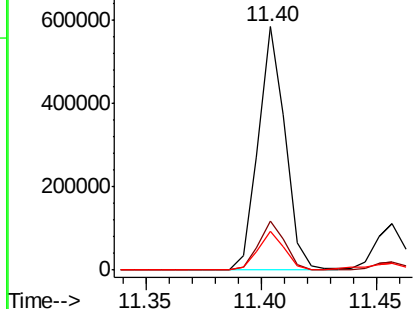


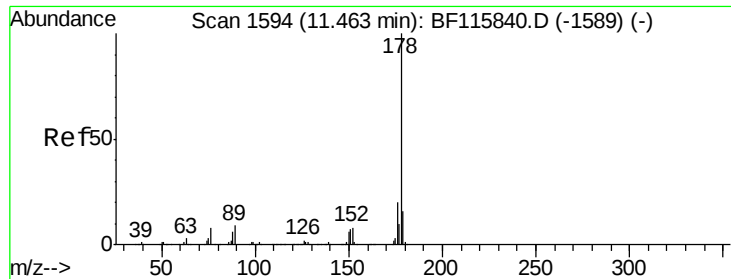
#71
 Phenanthrene
 Concen: 21.245 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115905.D
 Acq: 1 Aug 2019 14:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.5	24.7
179	15.8	12.6	18.8



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





#72

Anthracene

Concen: 4.483 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

Instrument :

BNA_F

ClientSampleId :

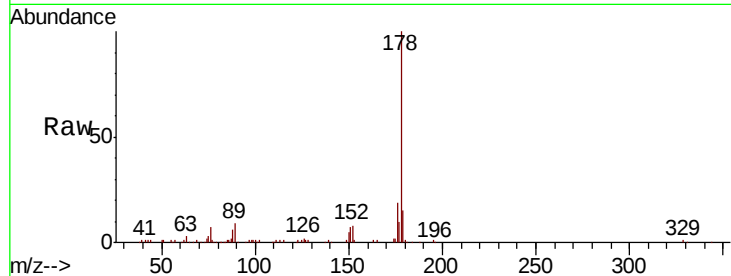
Tot Ion:178 Resp: 101682

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

179 14.8 12.4 18.6

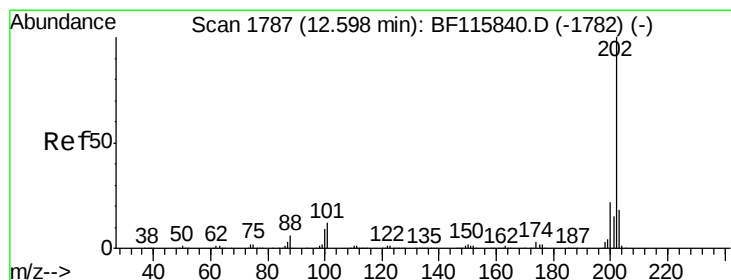
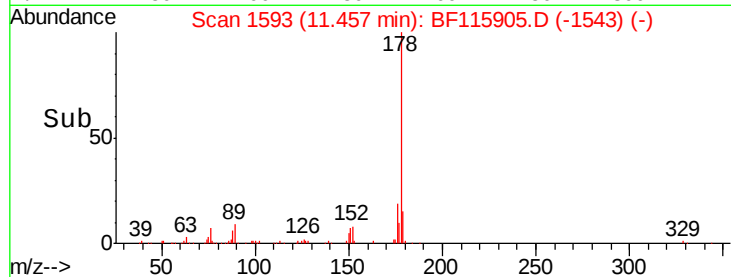
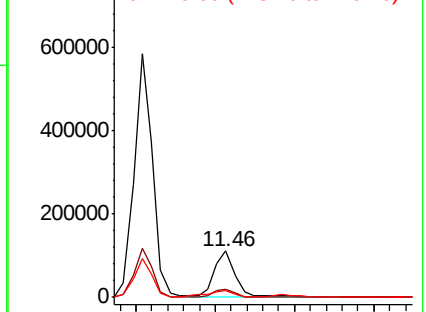


Abundance

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: 30.604 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

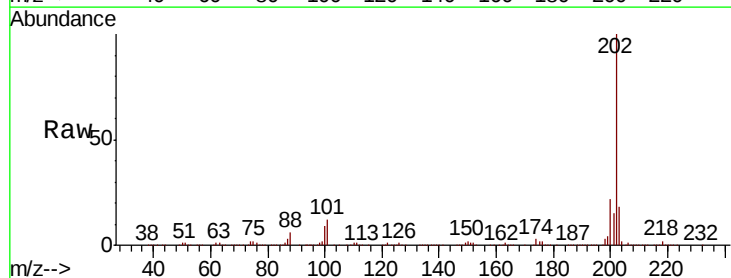
Tgt Ion:202 Resp: 717988

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.5

203 17.8 0.0 37.9

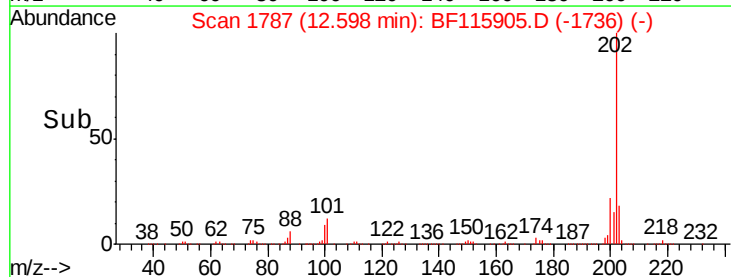
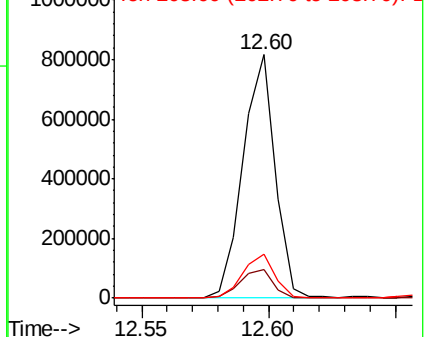


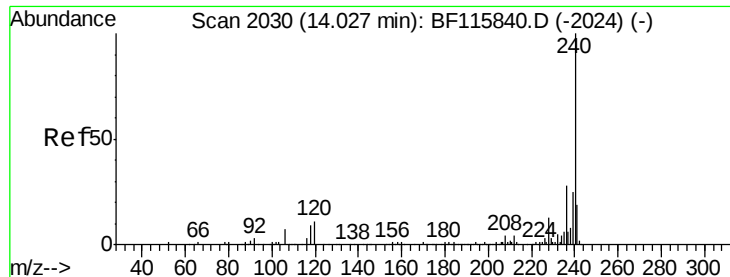
Abundance

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

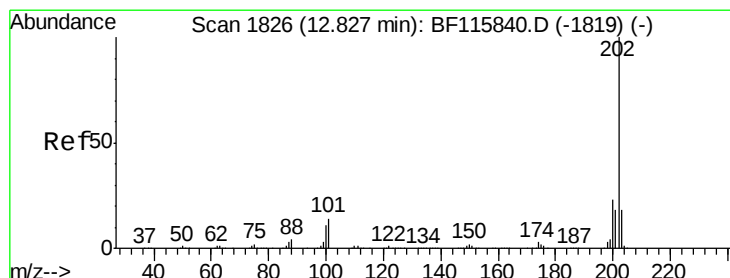
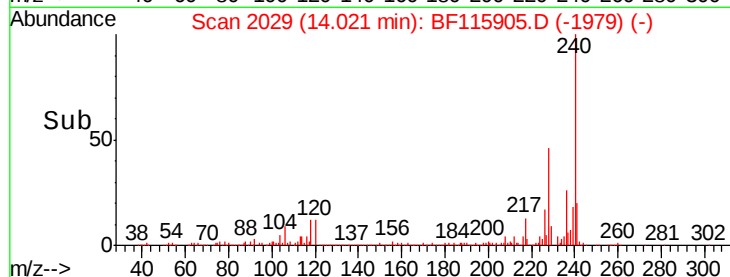
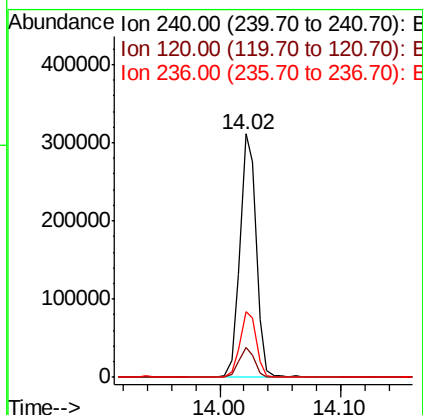
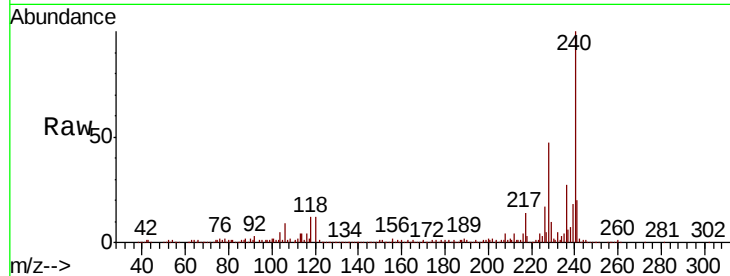




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF115905.D
 Acq: 1 Aug 2019 14:05

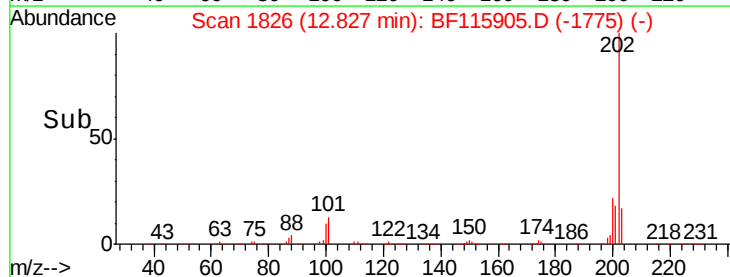
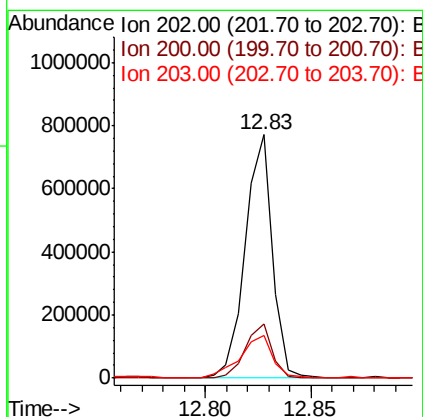
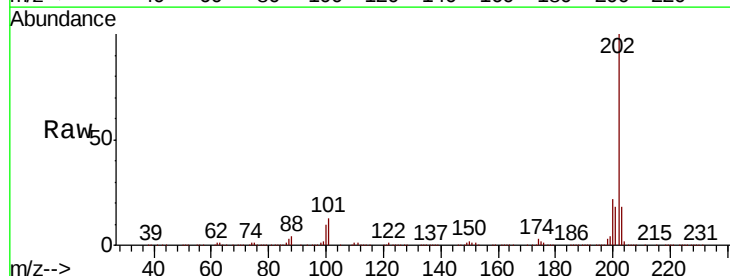
Instrument :
 BNA_F
 ClientSampleId :

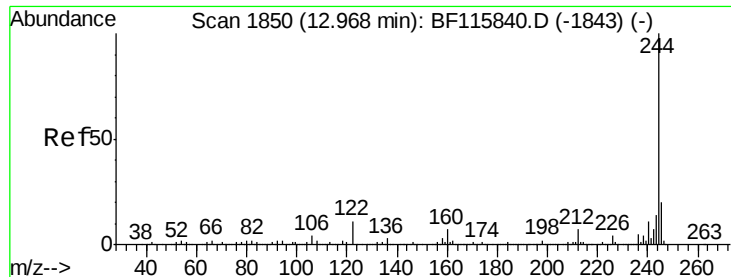
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.5	12.7
236	26.8	22.2	33.2



#78
 Pyrene
 Concen: 30.971 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF115905.D
 Acq: 1 Aug 2019 14:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.2	27.2
203	17.7	14.3	21.5





#79

Terphenyl-d14

Concen: 82.071 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

Instrument :

BNA_F

ClientSampleId :

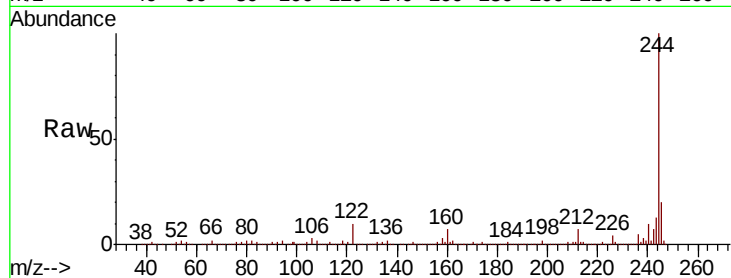
Tot Ion:244 Resp: 1150365

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

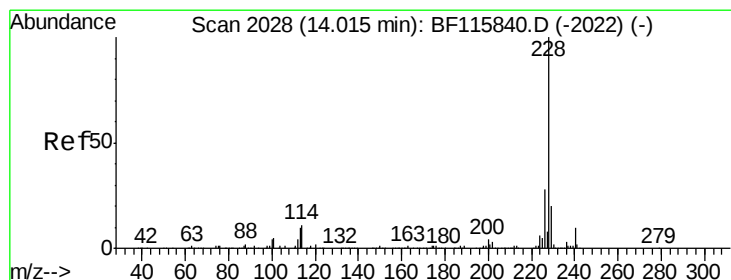
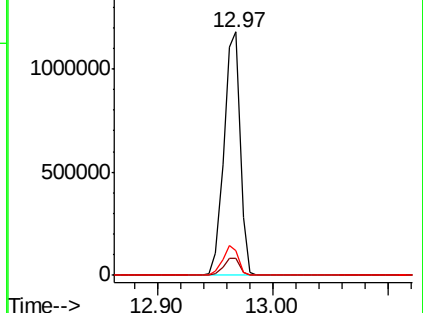
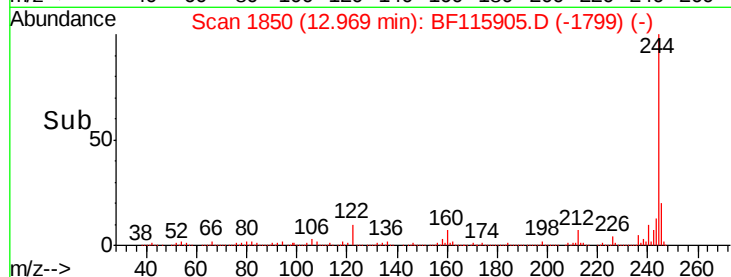
122 10.3 8.6 13.0



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: 20.720 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

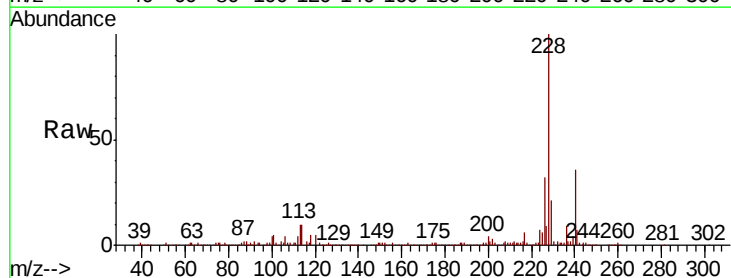
Tgt Ion:228 Resp: 391157

Ion Ratio Lower Upper

228 100

226 31.9 22.5 33.7

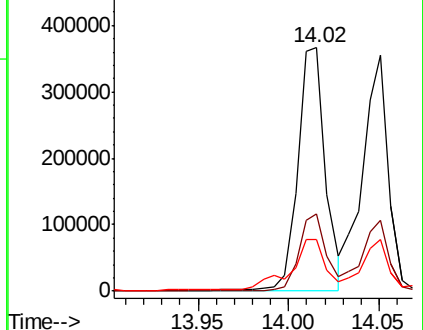
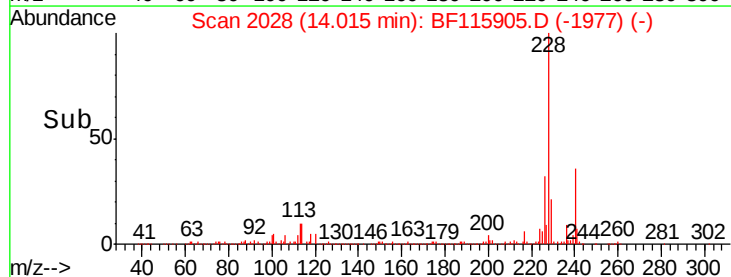
229 21.0 16.1 24.1

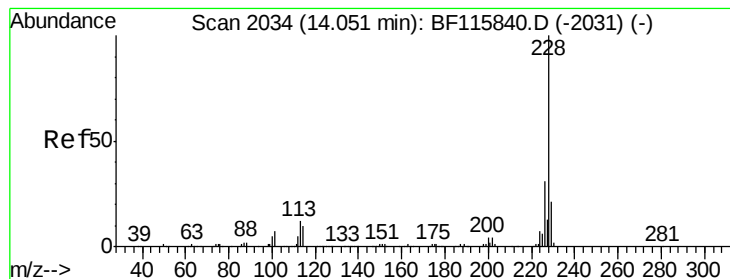


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 19.249 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

Instrument :

BNA_F

ClientSampled :

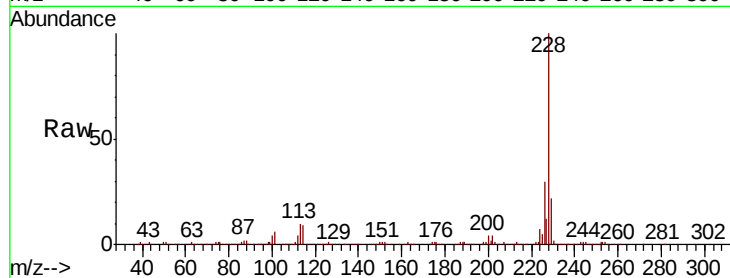
Tot Ion:228 Resp: 352792

Ion Ratio Lower Upper

228 100

226 30.2 24.8 37.2

229 22.1 16.4 24.6

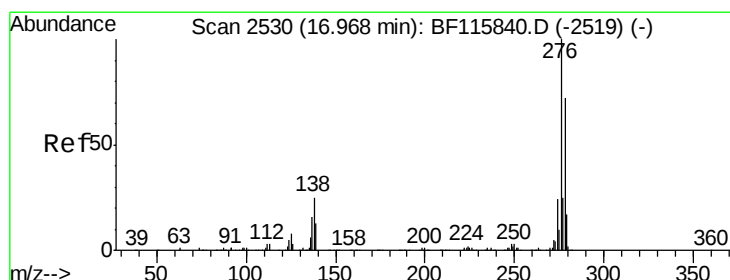
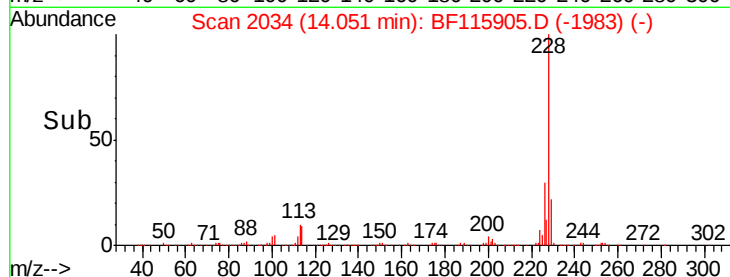
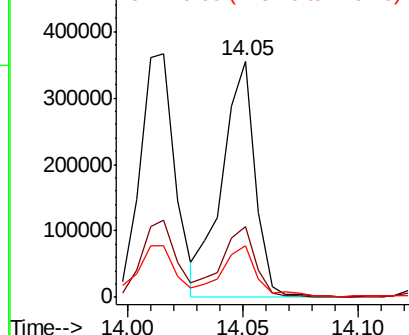


Abundance

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: 13.130 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BF115905.D

Acq: 1 Aug 2019 14:05

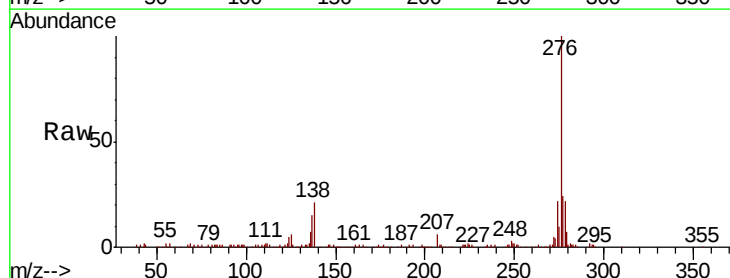
Tgt Ion:276 Resp: 202120

Ion Ratio Lower Upper

276 100

138 20.9 19.6 29.4

277 24.3 20.1 30.1

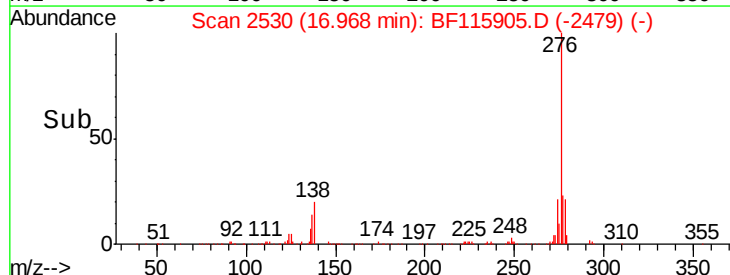
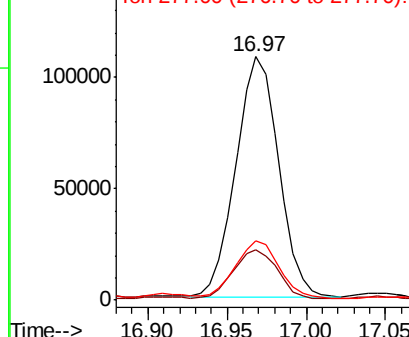


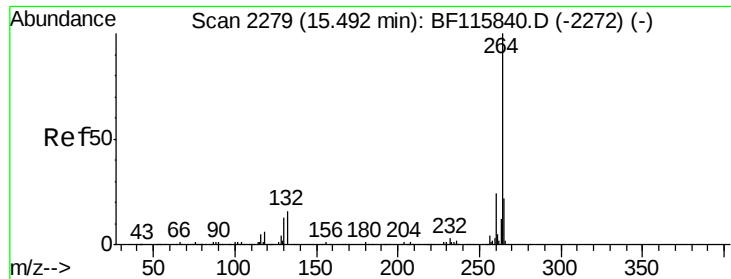
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

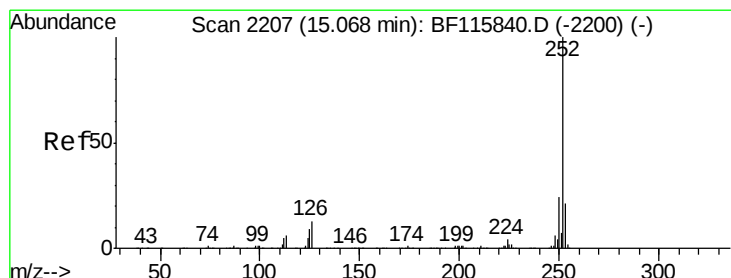
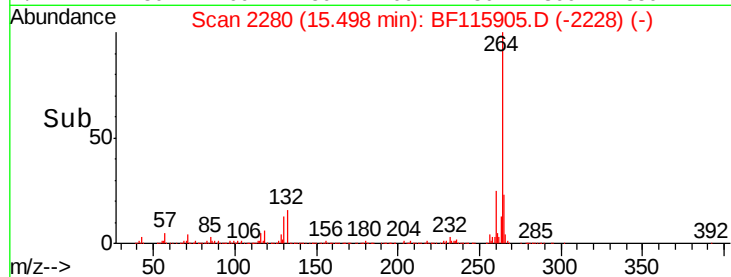
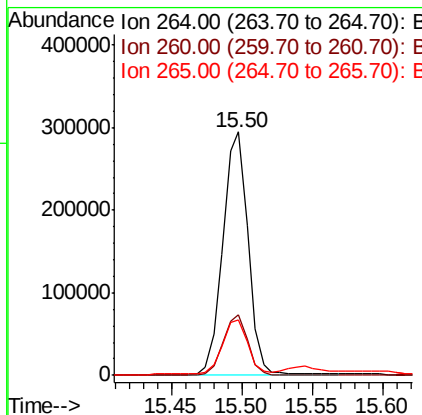
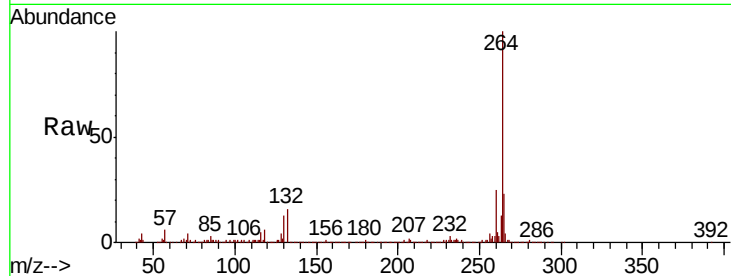




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

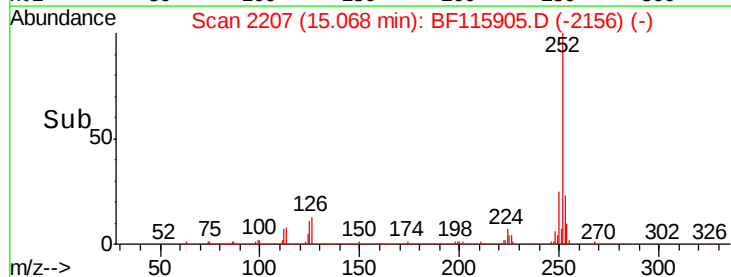
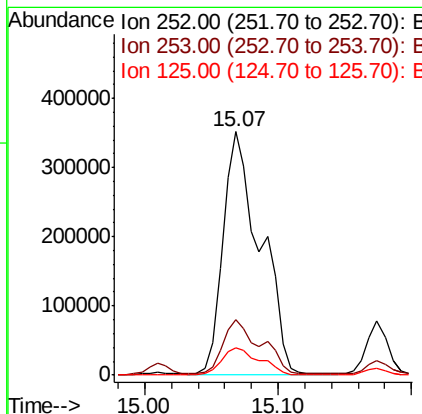
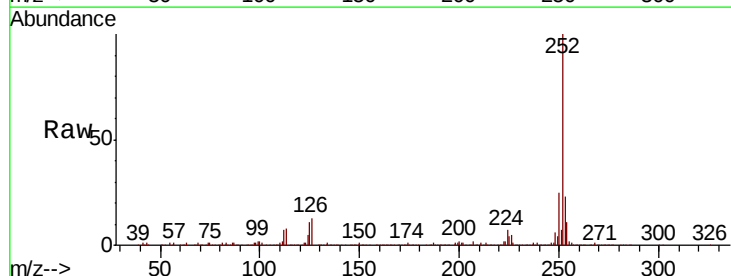
Instrument :
BNA_F
ClientSampleId :

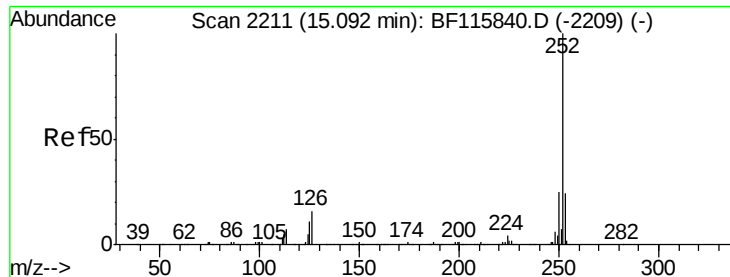
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	22.9	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 32.251 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.3	7.4	11.0#

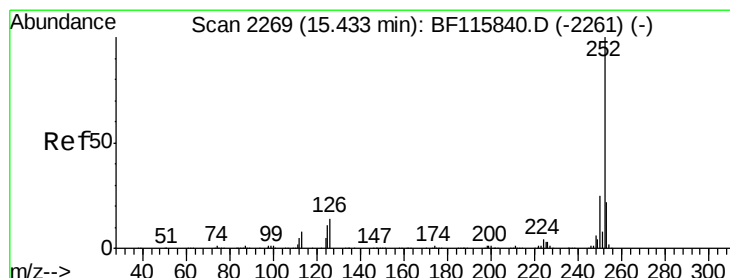
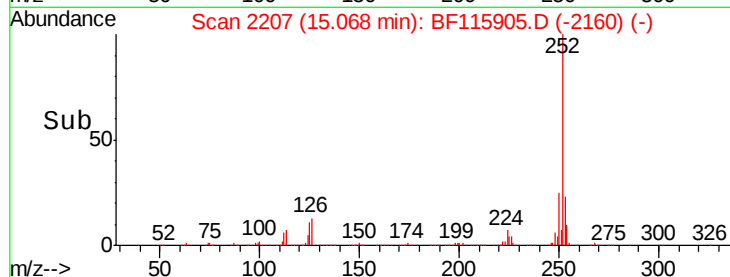
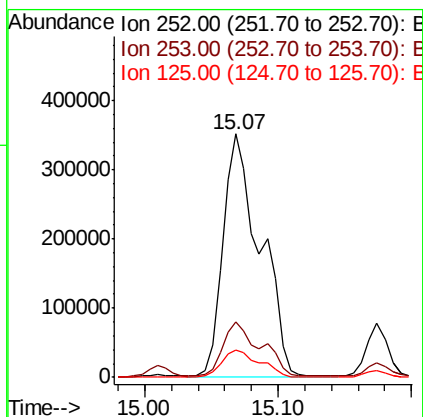
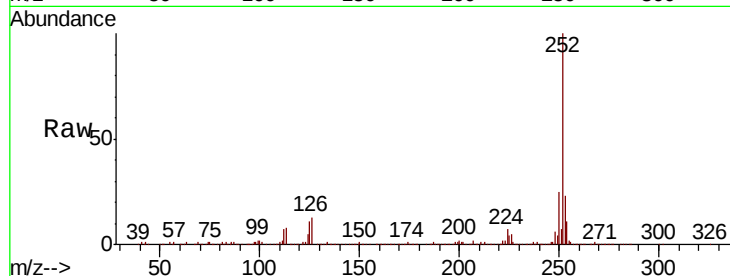




#89
Benzo(k)fluoranthene
Concen: 33.112 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

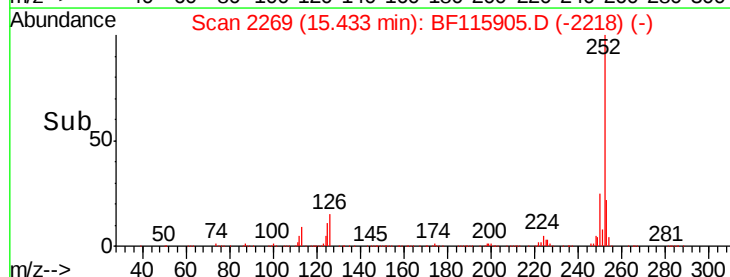
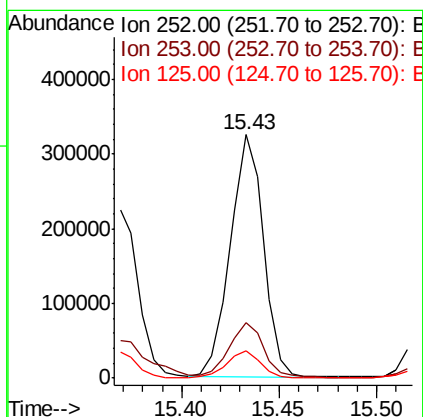
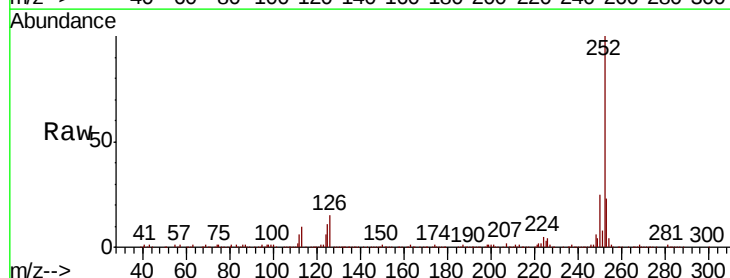
Instrument :
BNA_F
ClientSampleId :

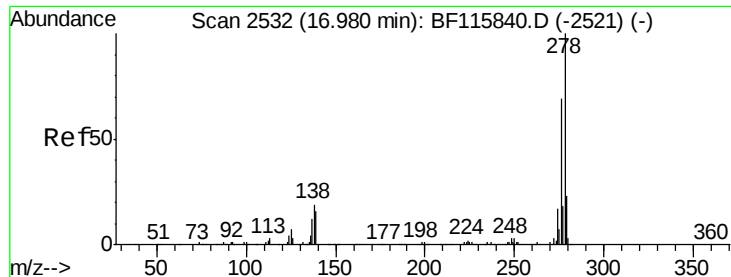
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	11.3	8.9	13.3



#90
Benzo(a)pyrene
Concen: 20.237 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.3	8.8	13.2

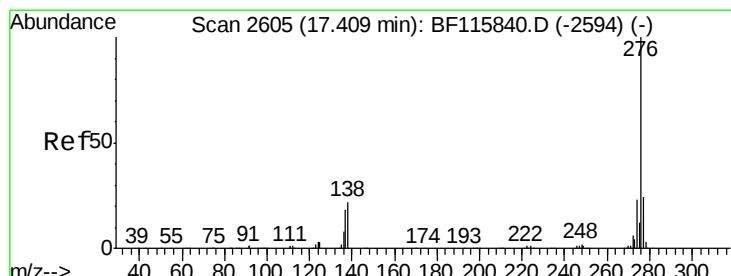
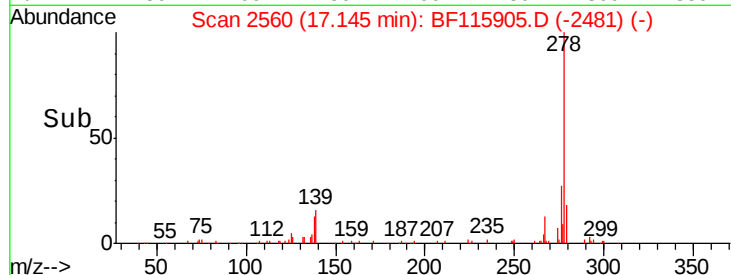
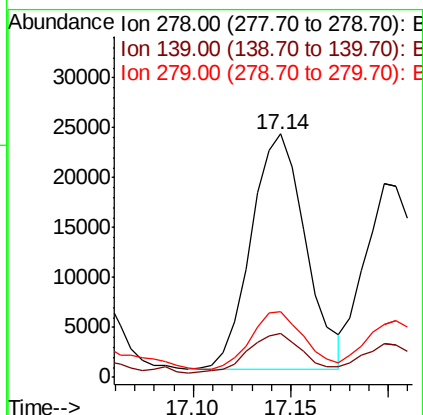
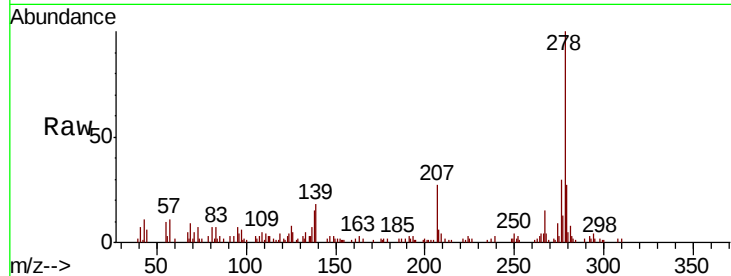




#91
Dibenzo(a,h)anthracene
Concen: 2.806 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.16 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 45871
Ion Ratio Lower Upper
278 100
139 18.0 12.6 19.0
279 27.1 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 11.459 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:276 Resp: 183980
Ion Ratio Lower Upper
276 100
277 24.2 19.5 29.3
138 21.5 17.8 26.8

