

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115505.D
 Acq On : 11 Jul 2019 20:15
 Operator : HP/JU
 Sample : K3746-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 03:14:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	147889	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	572351	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	295556	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	589550	20.00	ng	0.00
76) Chrysene-d12	14.05	240	486990	20.00	ng	-0.02
87) Perylene-d12	15.53	264	467396	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	853790	89.20	ng	0.00
7) Phenol-d6	6.52	99	1129820	92.81	ng	0.00
23) Nitrobenzene-d5	7.45	82	690960	71.33	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	339335	103.84	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1314791	78.06	ng	0.00
79) Terphenyl-d14	13.00	244	1557477	65.48	ng	0.00

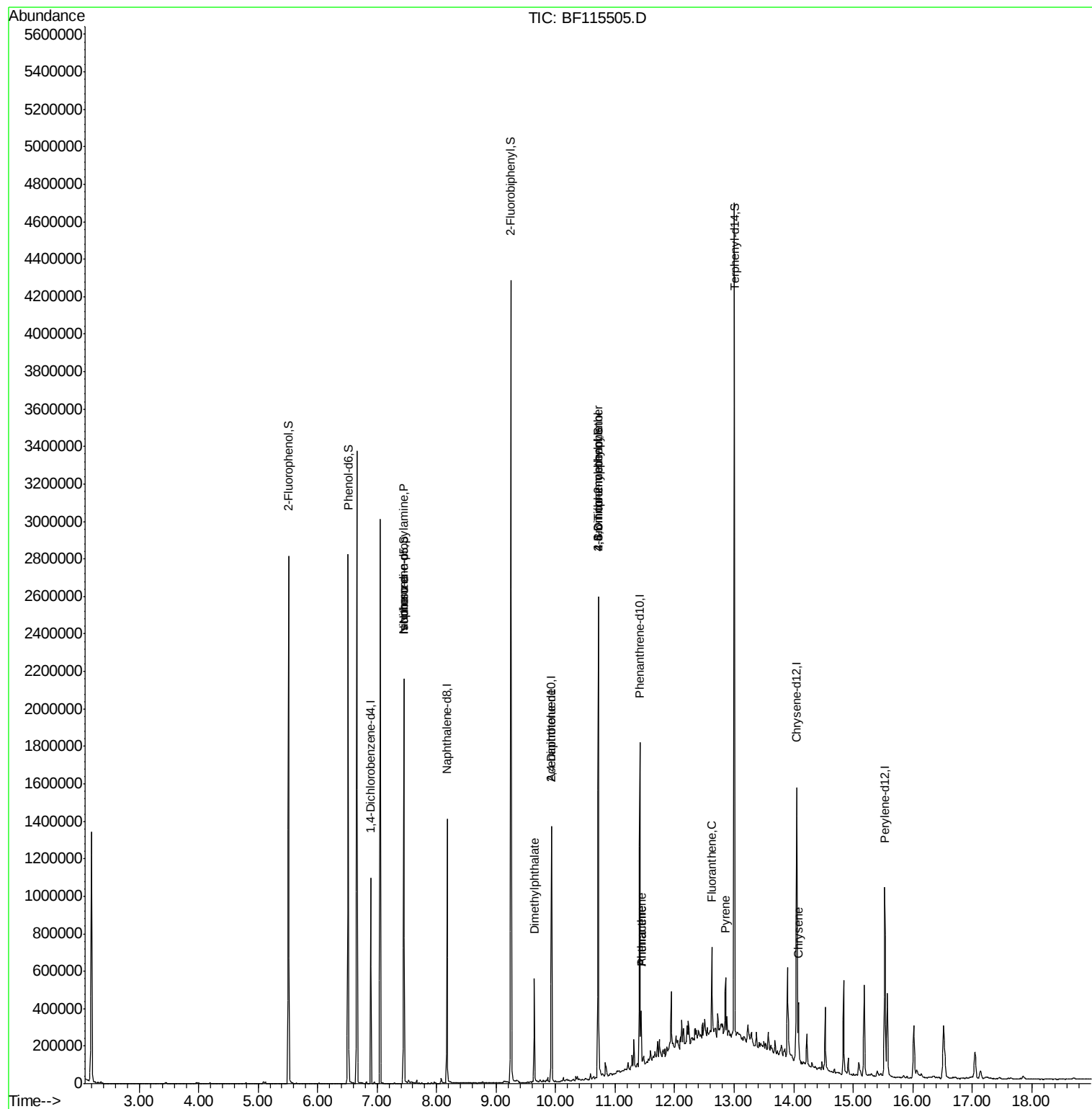
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1617	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	92027	11.174	ng	# 79
25) Isophorone	7.45	82	681589	32.461	ng	# 64
50) Dimethylphthalate	9.64	163	209359	9.438	ng	100
57) 2,4-Dinitrotoluene	9.93	165	37399	6.117	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.72	198	660	8.013	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	20805	3.145	ng	# 1
71) Phenanthrene	11.44	178	100231	3.233	ng	96
72) Anthracene	11.44	178	100231	3.224	ng	97
75) Fluoranthene	12.63	202	186532	5.714	ng	96
78) Pyrene	12.86	202	125242	3.307	ng	97
83) Chrysene	14.08	228	121897	3.802	ng	98
86) Indeno(1,2,3-cd)pyrene	17.01	276	7943	Below Cal	#	93

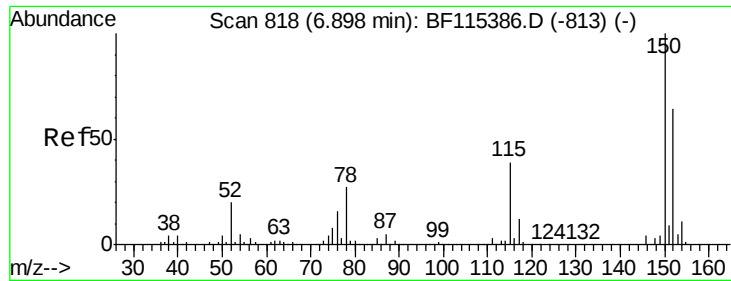
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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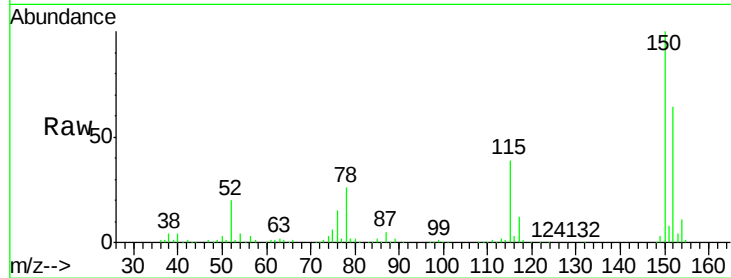


#1

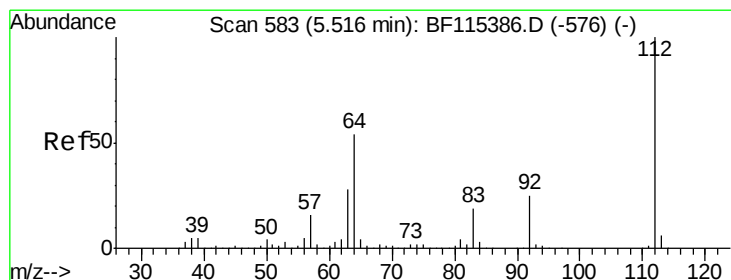
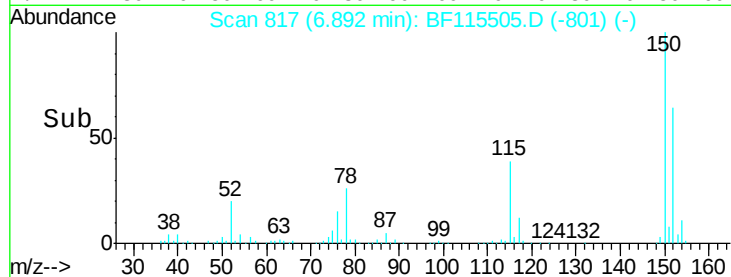
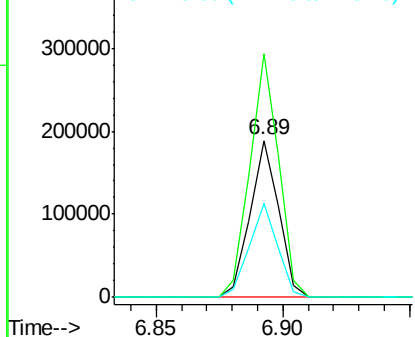
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF115505.D
 Acq: 11 Jul 2019 20:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.4	191.2
115	59.9	46.2	69.4



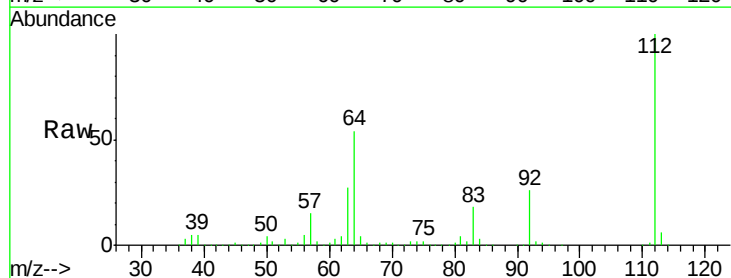
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



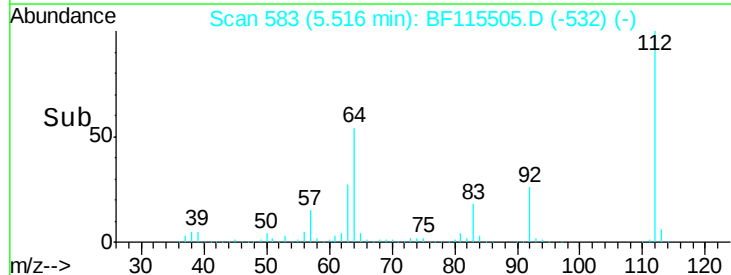
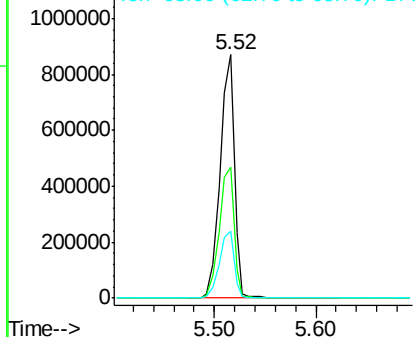
#5

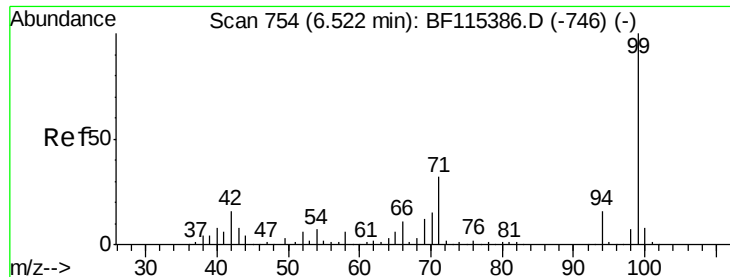
2-Fluorophenol
 Concen: 89.197 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: BF115505.D
 Acq: 11 Jul 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	44.2	66.2
63	27.4	22.1	33.1



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: 92.810 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115505.D

Acq: 11 Jul 2019 20:15

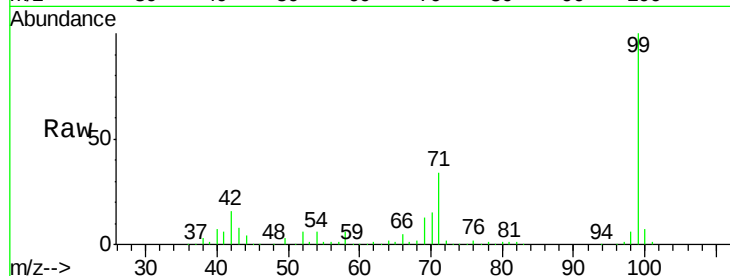
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1129820

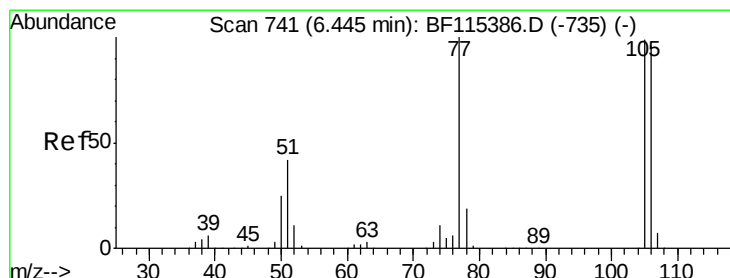
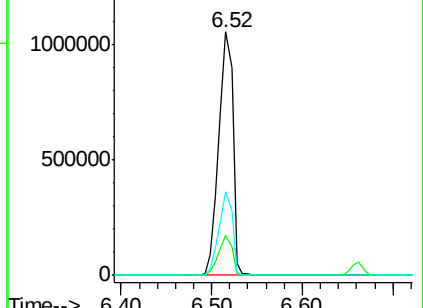
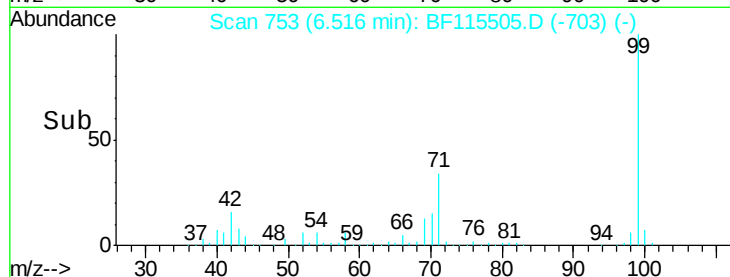
Ion	Ratio	Lower	Upper
99	100		
42	16.4	12.8	19.2
71	34.2	26.5	39.7



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.52 min Scan# 754

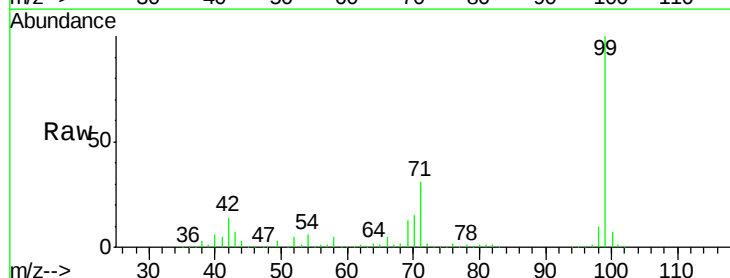
Delta R.T. 0.08 min

Lab File: BF115505.D

Acq: 11 Jul 2019 20:15

Tgt Ion: 77 Resp: 1617

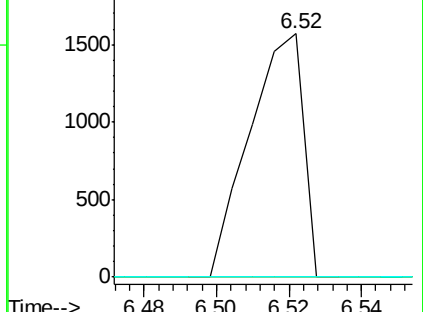
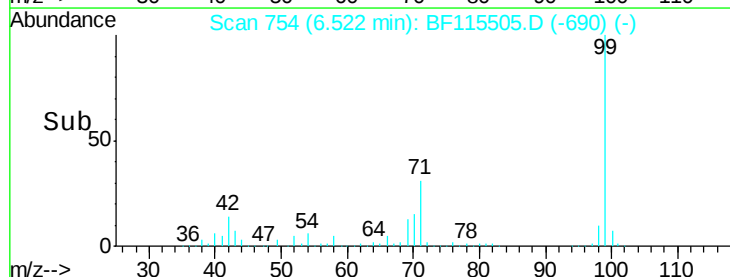
Ion	Ratio	Lower	Upper
77	100		
105	0.0	82.9	122.9#
106	0.0	77.8	117.8#

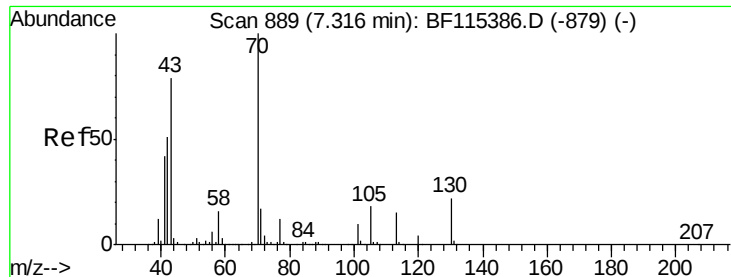


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

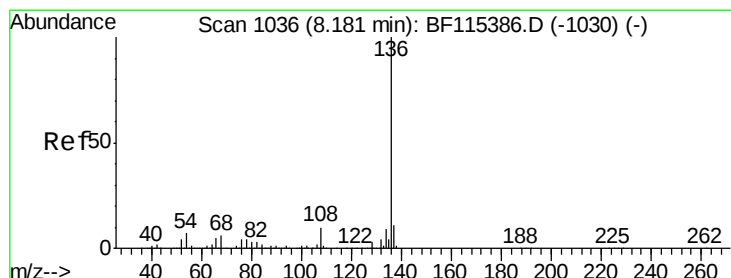
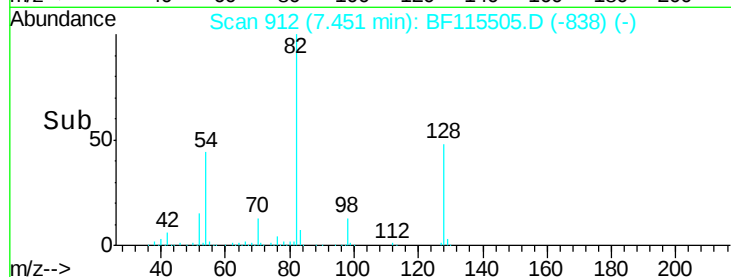
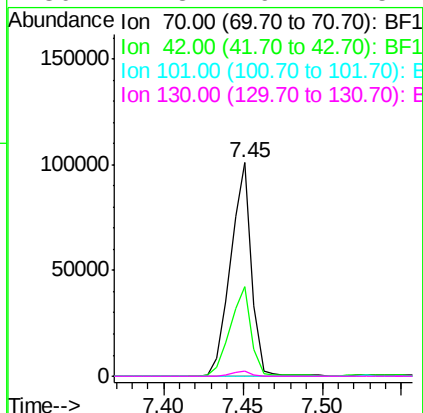
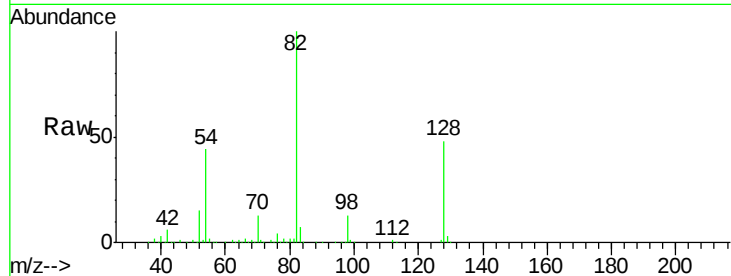




#19
n-Nitroso-di-n-propylamine
Concen: 11.174 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

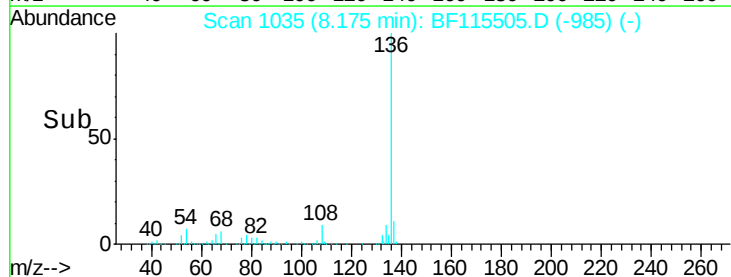
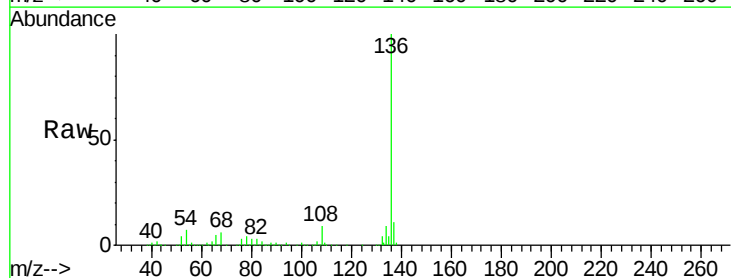
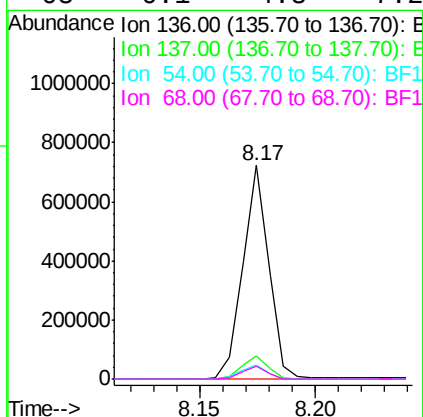
Instrument :
BNA_F
ClientSampleId :

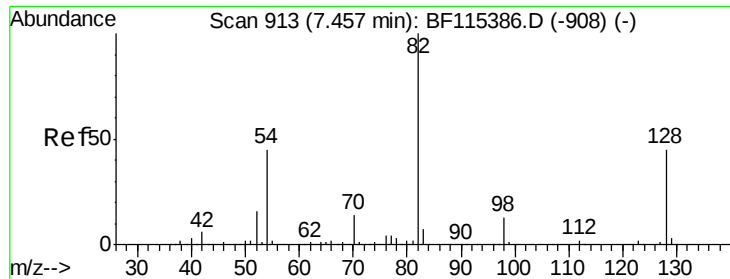
Tot Ion: 70 Resp: 92027
Ion Ratio Lower Upper
70 100
42 41.9 38.5 57.7
101 0.0 8.0 12.0#
130 2.3 19.1 28.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

Tgt Ion:136 Resp: 572351
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.7 5.4 8.0
68 6.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 71.327 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF115505.D

Acq: 11 Jul 2019 20:15

Instrument :

BNA_F

ClientSampleId :

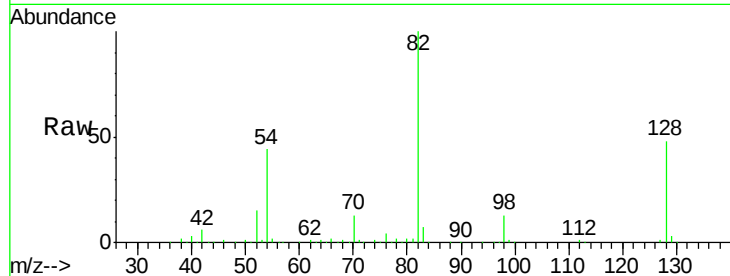
Tot Ion: 82 Resp: 690960

Ion Ratio Lower Upper

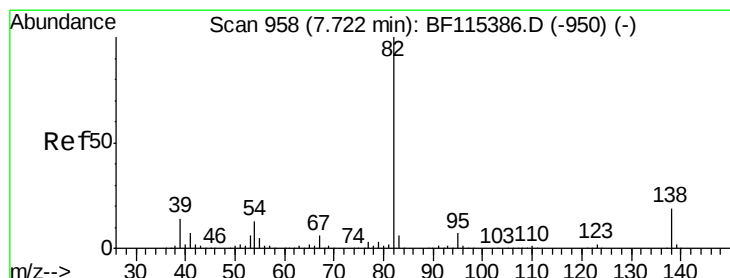
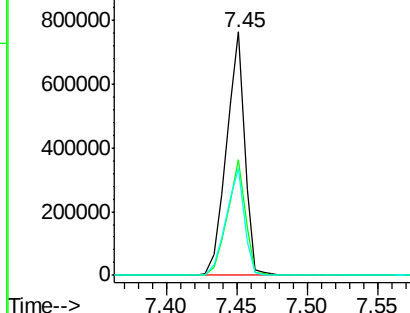
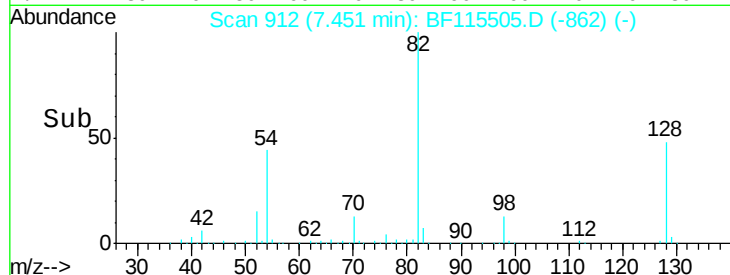
82 100

128 47.5 36.7 55.1

54 43.6 35.6 53.4



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 32.461 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.27 min

Lab File: BF115505.D

Acq: 11 Jul 2019 20:15

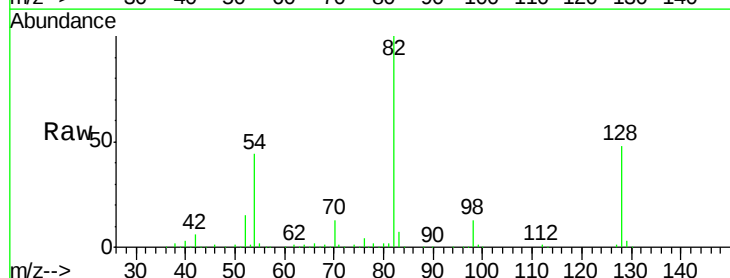
Tgt Ion: 82 Resp: 681589

Ion Ratio Lower Upper

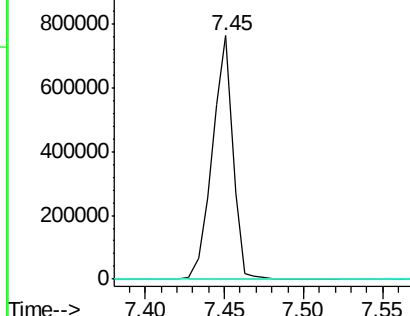
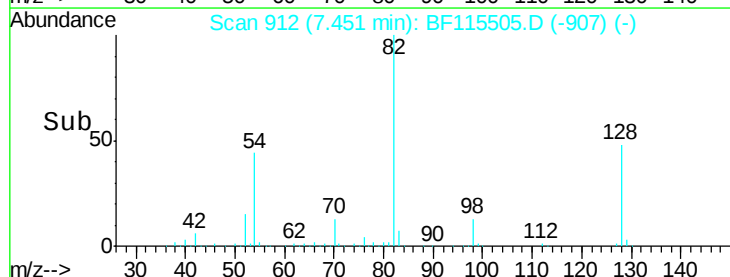
82 100

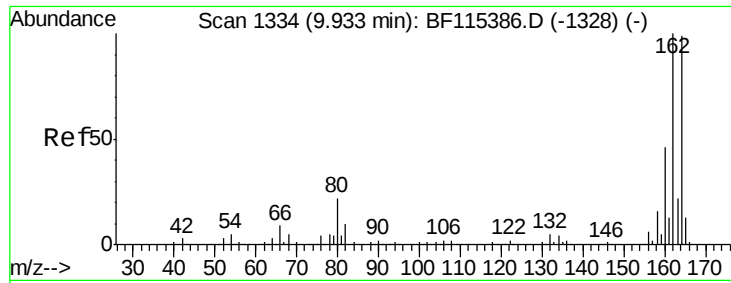
95 0.0 5.4 8.2#

138 0.0 15.1 22.7#



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

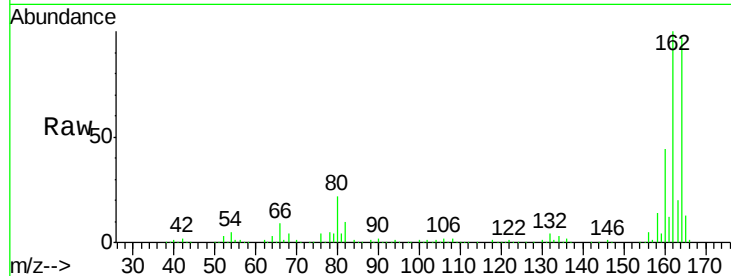




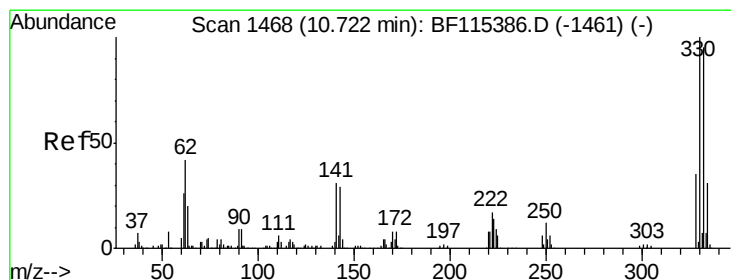
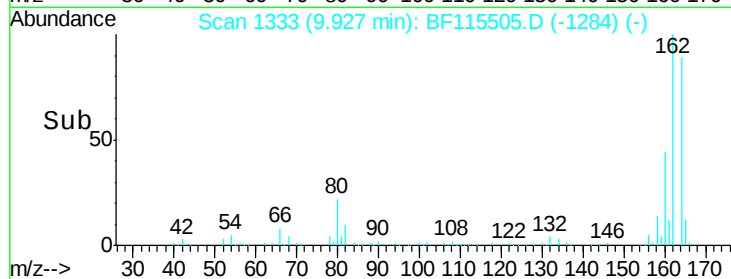
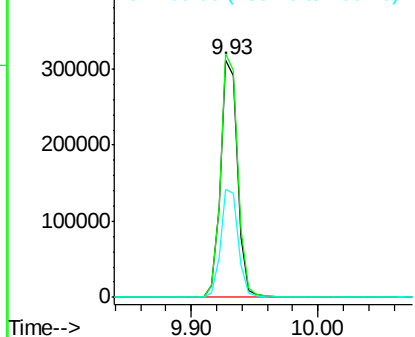
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 295556
Ion Ratio Lower Upper
164 100
162 102.6 82.3 123.5
160 45.4 37.2 55.8

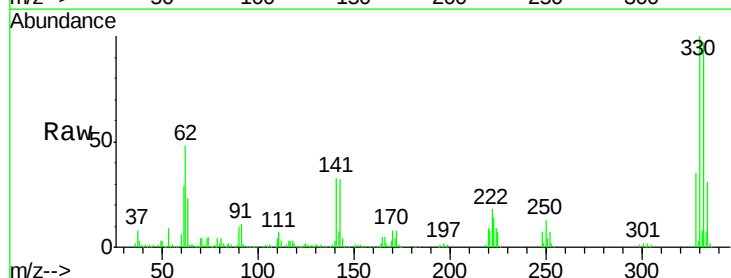


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

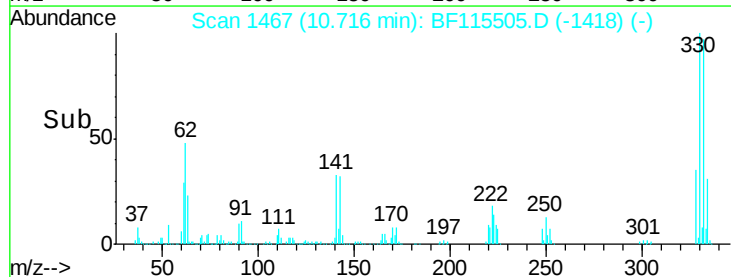
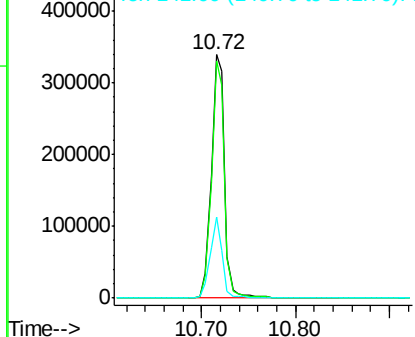


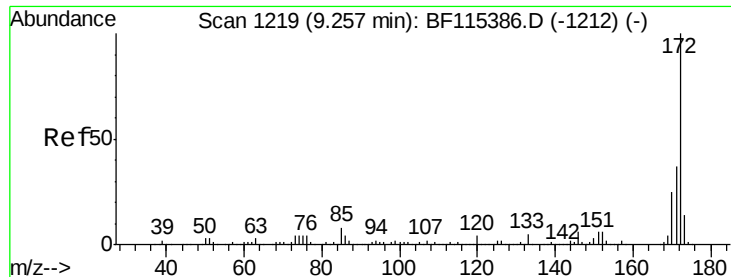
#42
2,4,6-Tribromophenol
Concen: 103.840 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

Tgt Ion:330 Resp: 339335
Ion Ratio Lower Upper
330 100
332 95.4 77.4 116.0
141 31.0 24.7 37.1



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

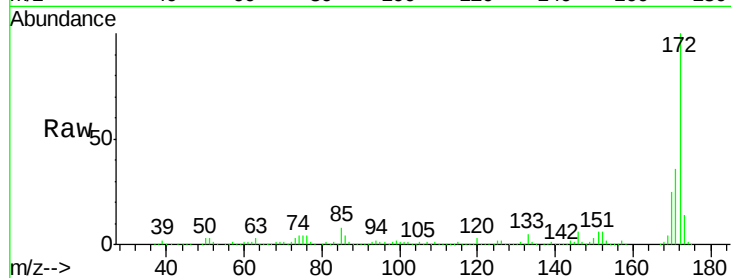




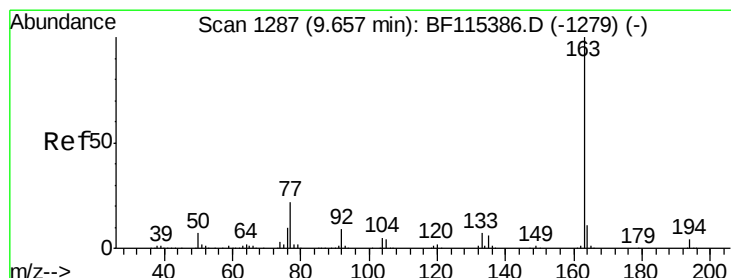
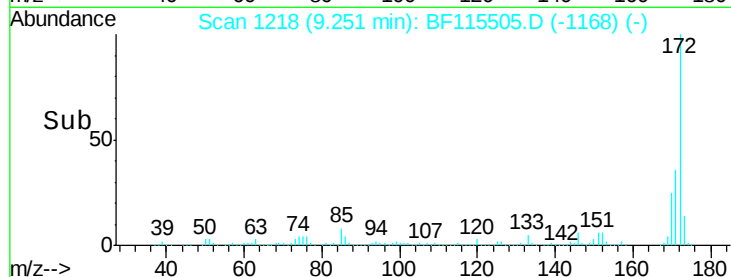
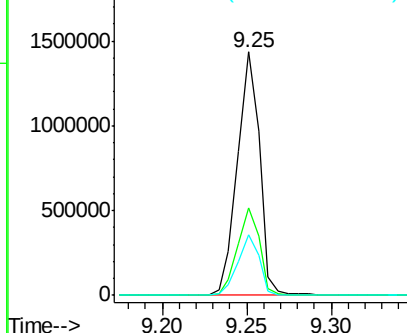
#45
2-Fluorobiphenyl
Concen: 78.061 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1314791
Ion Ratio Lower Upper
172 100
171 36.0 29.8 44.8
170 24.6 20.0 30.0

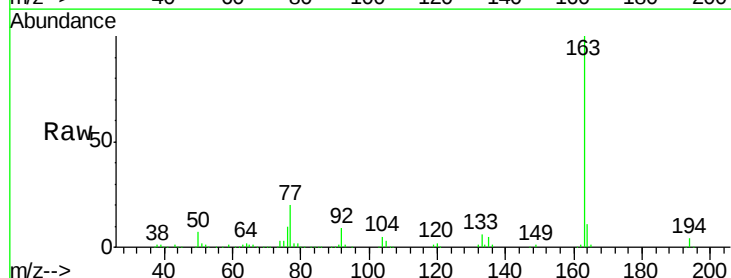


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

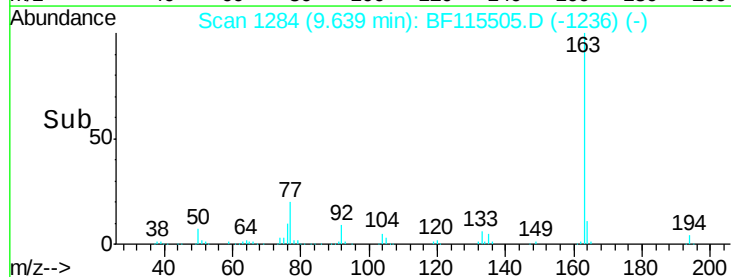
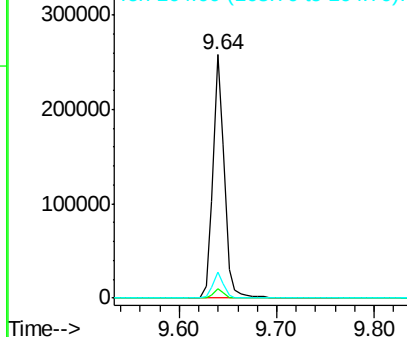


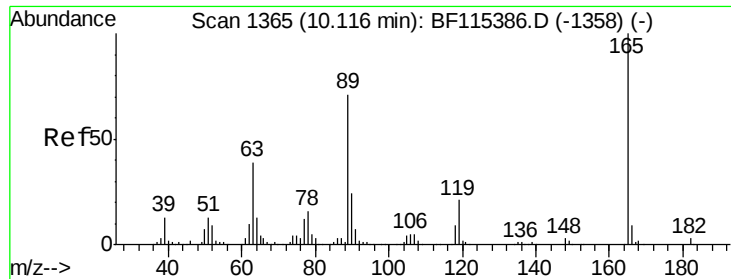
#50
Dimethylphthalate
Concen: 9.438 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

Tgt Ion:163 Resp: 209359
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.7 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

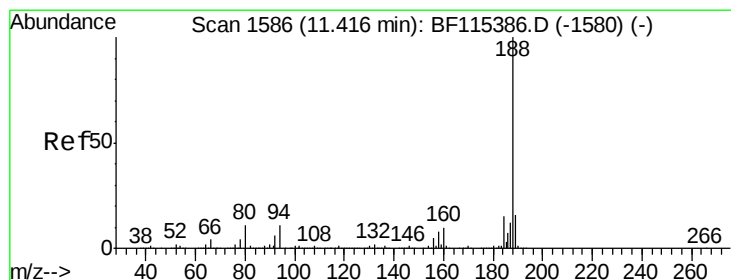
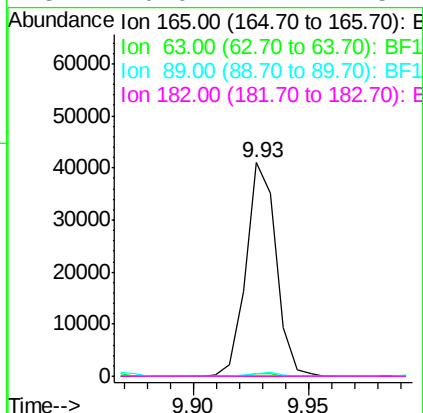
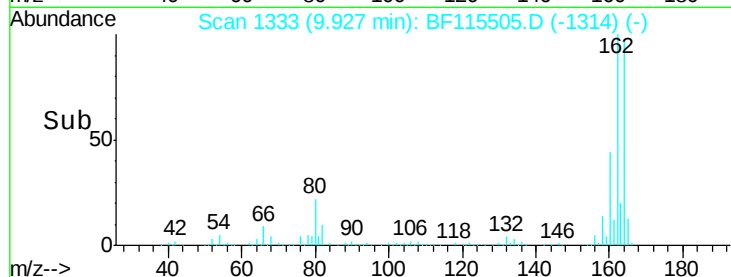
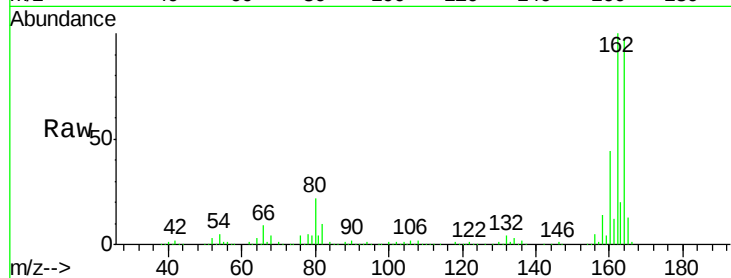




#57
 2,4-Dinitrotoluene
 Concen: 6.117 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF115505.D
 Acq: 11 Jul 2019 20:15

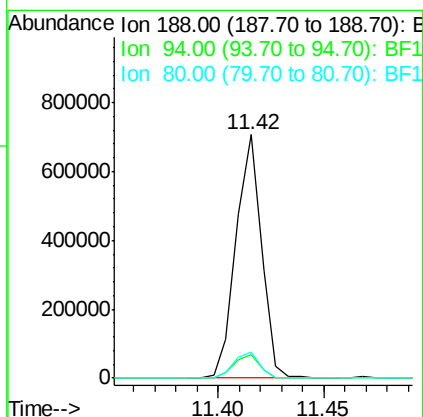
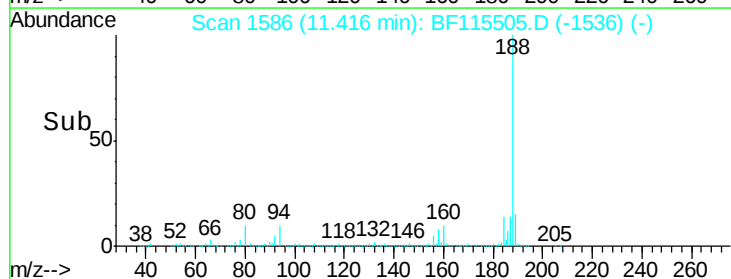
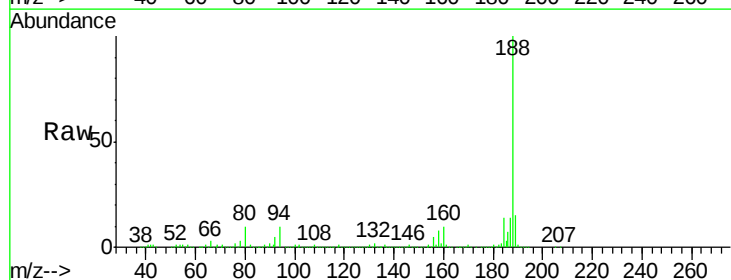
Instrument :
 BNA_F
 ClientSampleId :

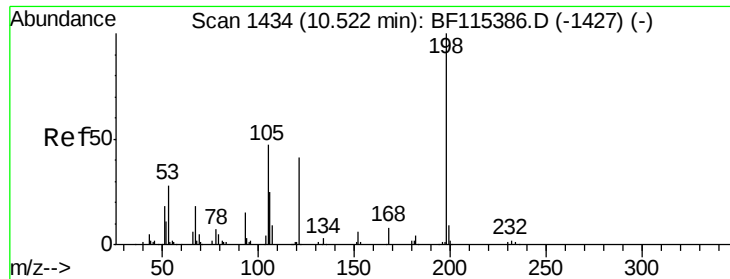
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.0	49.4#
89	1.3	58.5	87.7#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF115505.D
 Acq: 11 Jul 2019 20:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.8	11.8
80	10.5	8.4	12.6

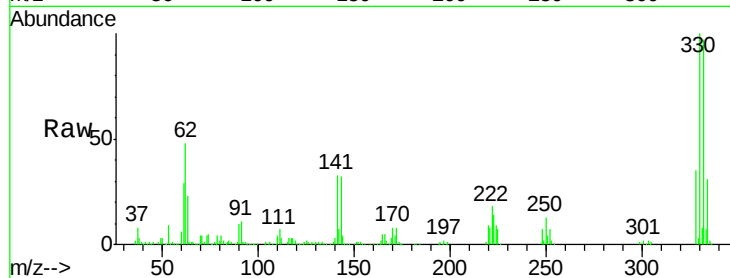




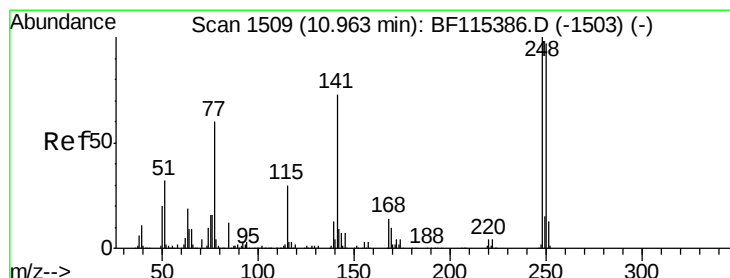
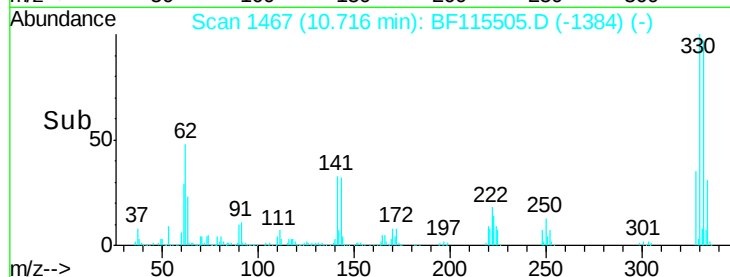
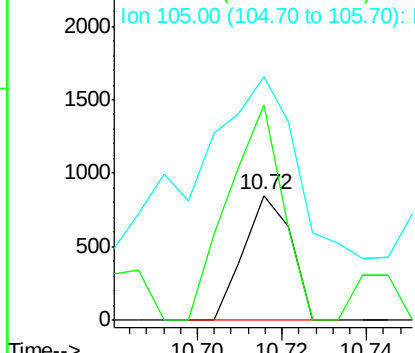
#65
4,6-Dinitro-2-methylphenol
Concen: 8.013 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 660
Ion Ratio Lower Upper
198 100
51 172.7 20.7 60.7#
105 194.8 25.3 65.3#

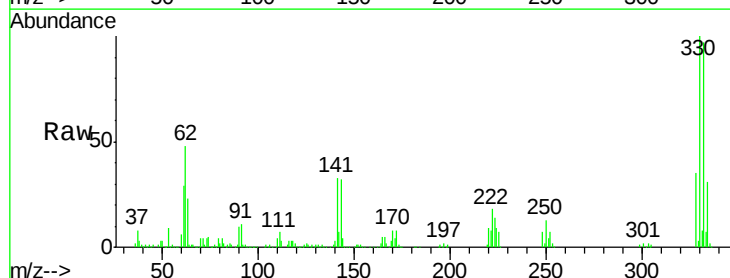


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

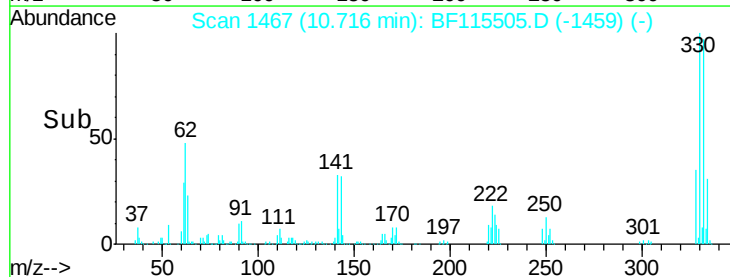
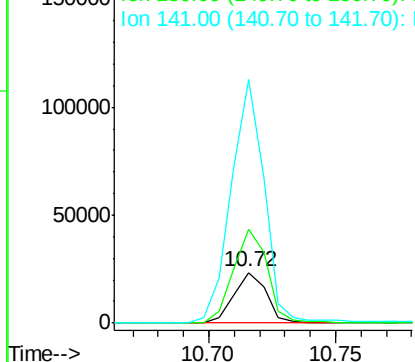


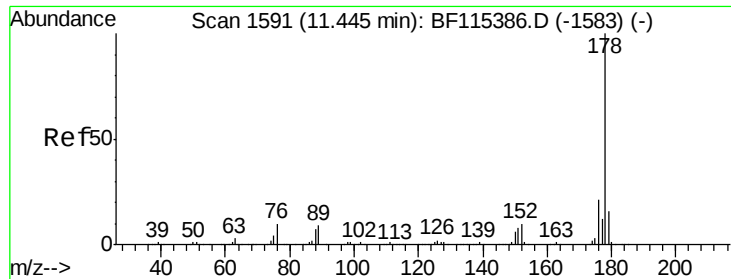
#67
4-Bromophenyl-phenylether
Concen: 3.145 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

Tgt Ion:248 Resp: 20805
Ion Ratio Lower Upper
248 100
250 186.3 78.3 117.5#
141 482.8 52.2 78.2#



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

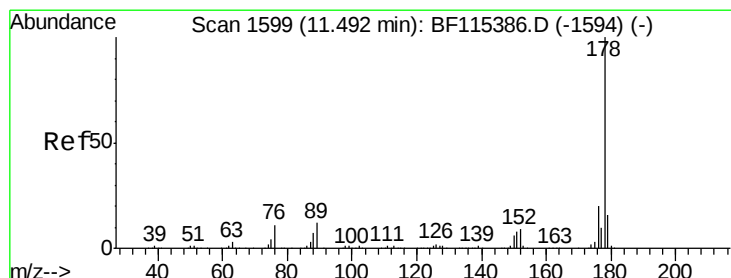
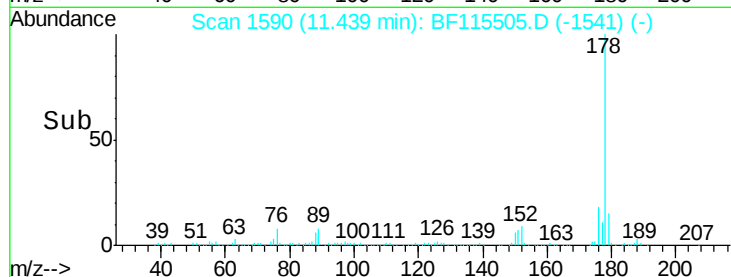
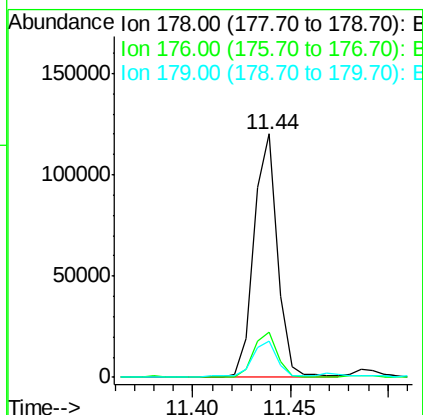
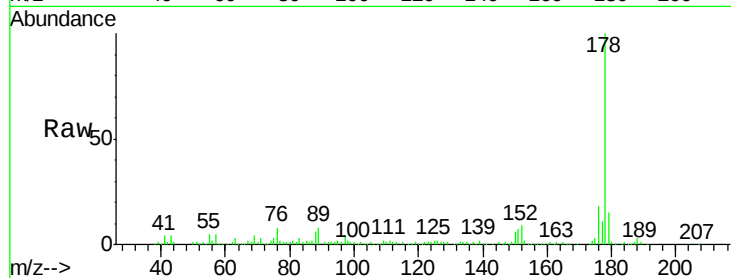




#71
Phenanthrene
Concen: 3.233 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

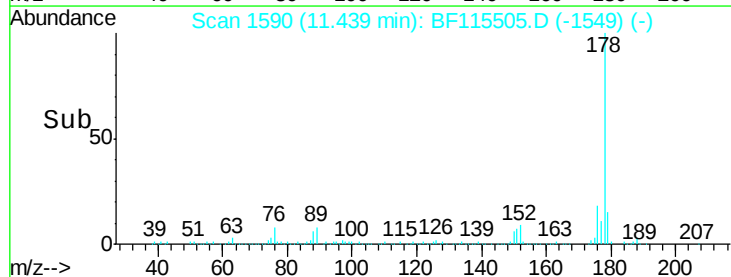
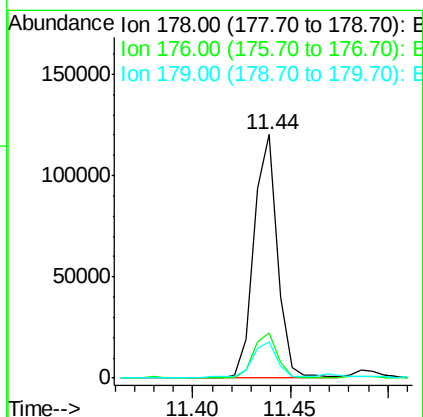
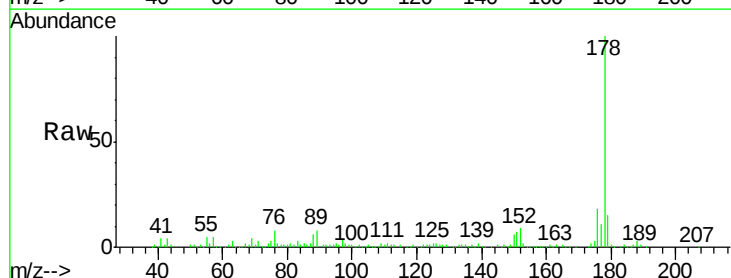
Instrument :
BNA_F
ClientSampleId :

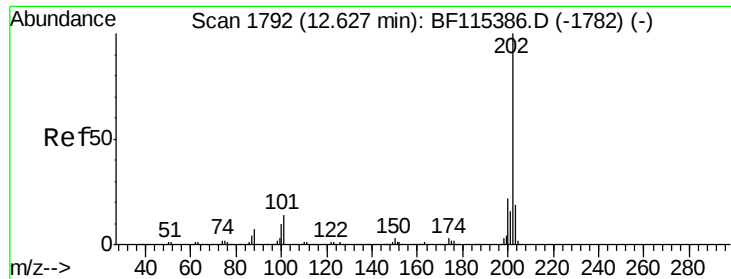
Tot Ion:178 Resp: 100231
Ion Ratio Lower Upper
178 100
176 18.5 16.6 24.8
179 14.9 12.7 19.1



#72
Anthracene
Concen: 3.224 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.06 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

Tgt Ion:178 Resp: 100231
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.9 13.0 19.6





#75

Fluoranthene

Concen: 5.714 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF115505.D

Acq: 11 Jul 2019 20:15

Instrument :

BNA_F

ClientSampled :

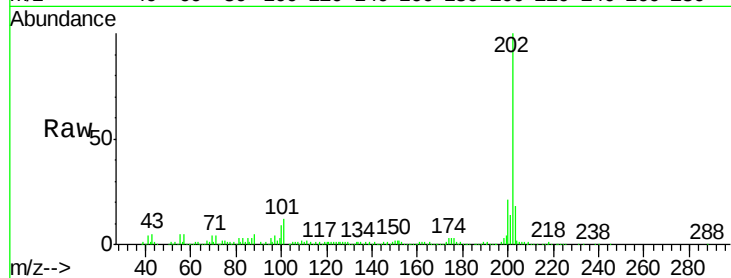
Tot Ion:202 Resp: 186532

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.9

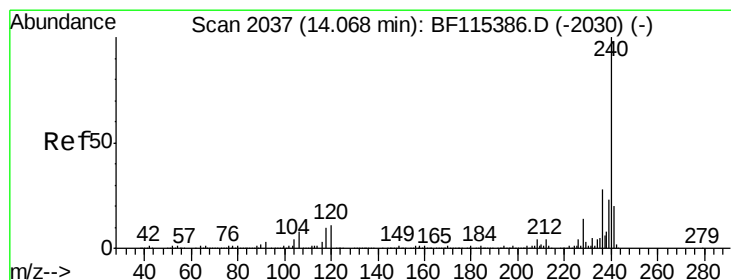
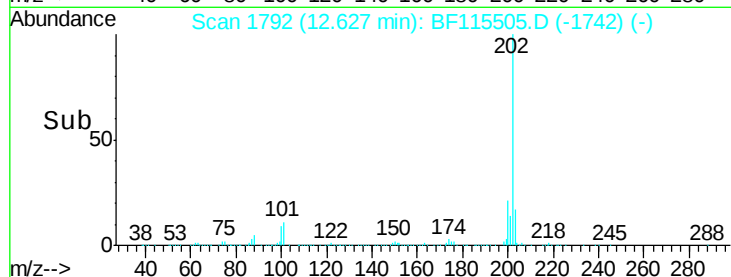
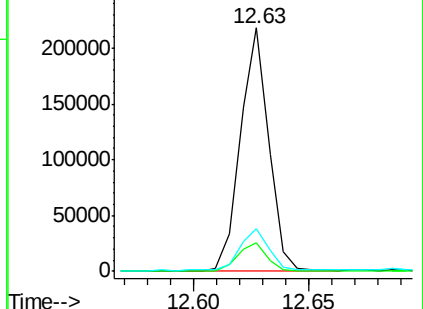
203 17.5 0.0 38.4



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: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF115505.D

Acq: 11 Jul 2019 20:15

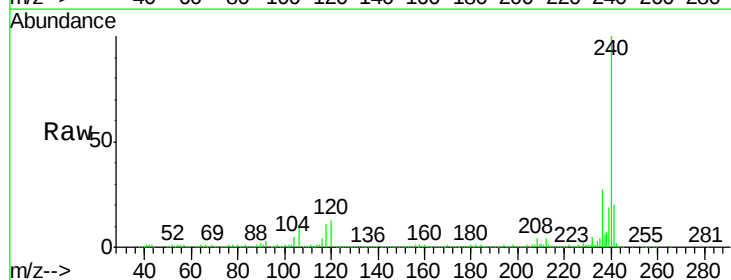
Tgt Ion:240 Resp: 486990

Ion Ratio Lower Upper

240 100

120 13.1 10.2 15.4

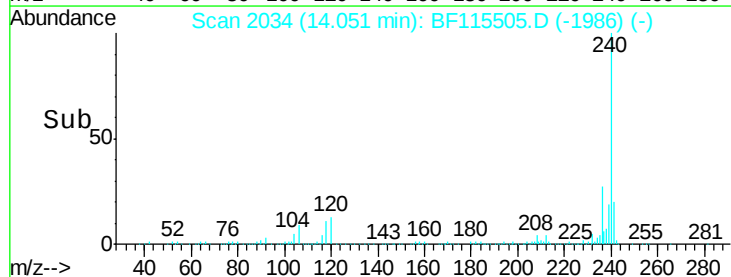
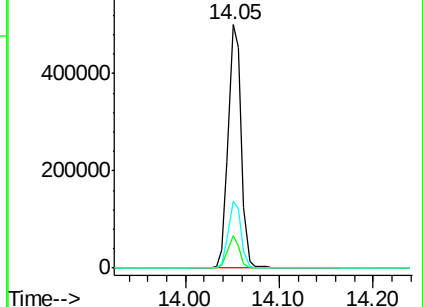
236 27.5 21.1 31.7

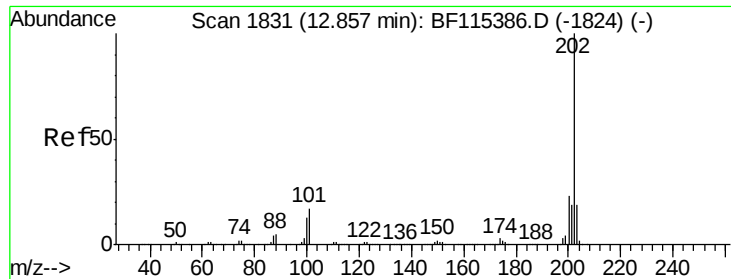


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

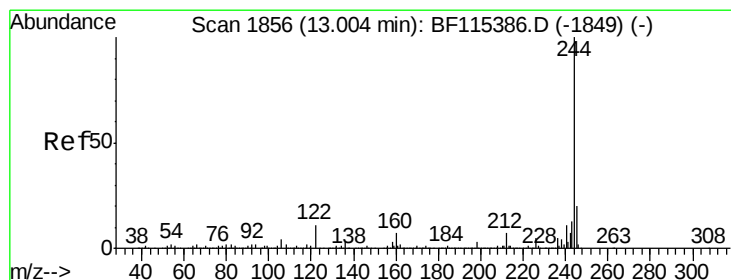
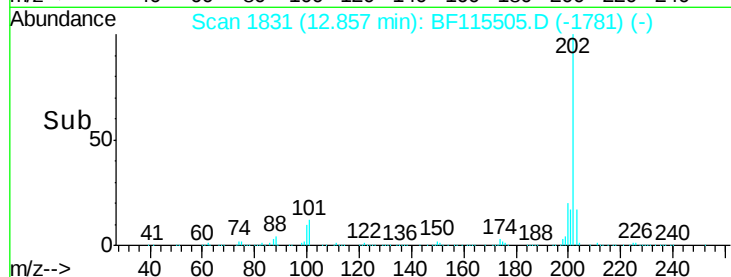
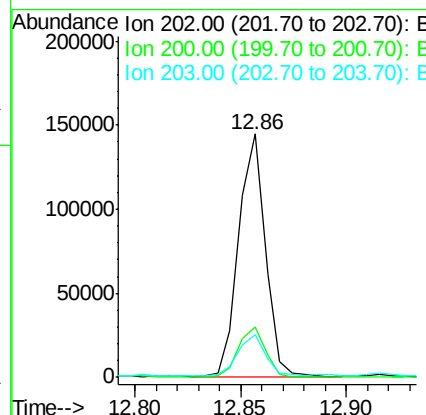
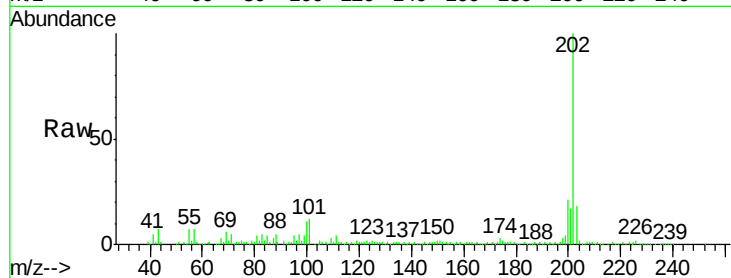




#78
Pvrene
Concen: 3.307 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

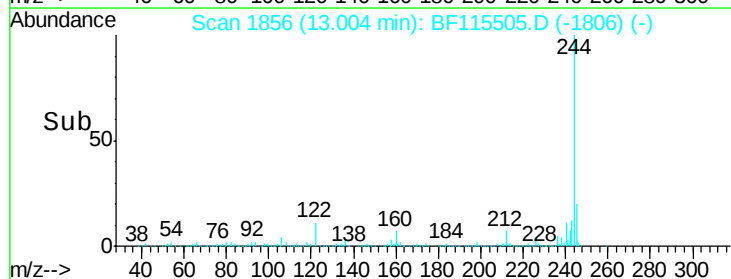
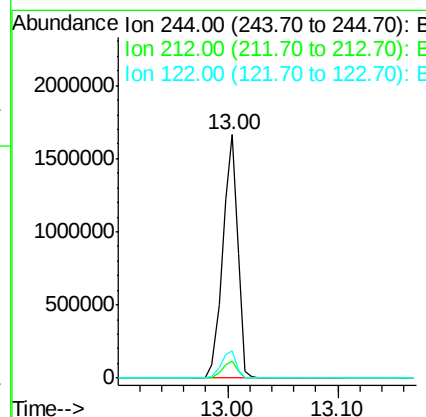
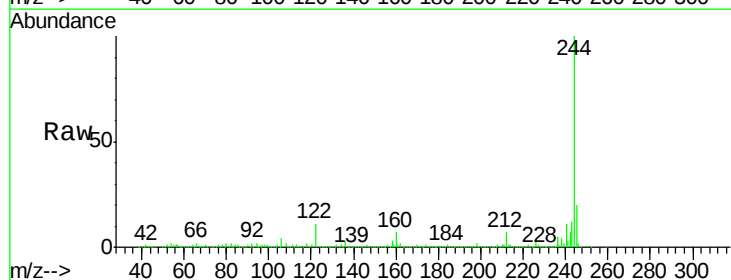
Instrument :
BNA_F
ClientSampleId :

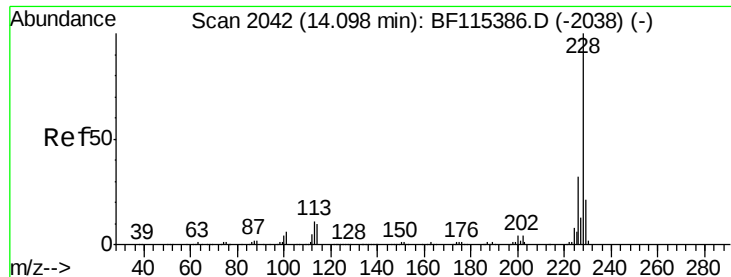
Tot Ion:202 Resp: 125242
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 17.6 14.7 22.1



#79
Terphenyl-d14
Concen: 65.483 ng
RT: 13.00 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BF115505.D
Acq: 11 Jul 2019 20:15

Tgt Ion:244 Resp: 1557477
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 11.1 9.1 13.7





#83

Chrysene

Concen: 3.802 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF115505.D

Acq: 11 Jul 2019 20:15

Instrument :

BNA_F

ClientSampleId :

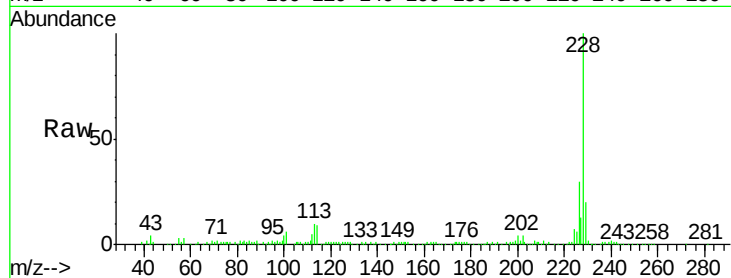
Tot Ion:228 Resp: 121897

Ion Ratio Lower Upper

228 100

226 29.5 25.1 37.7

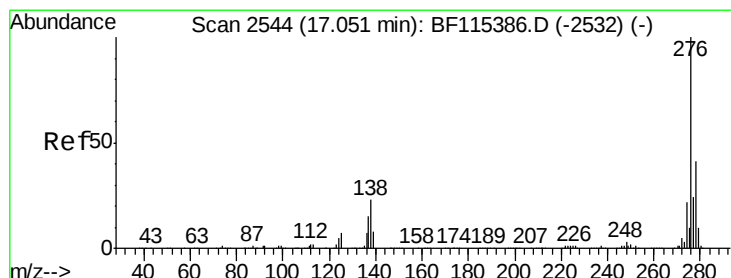
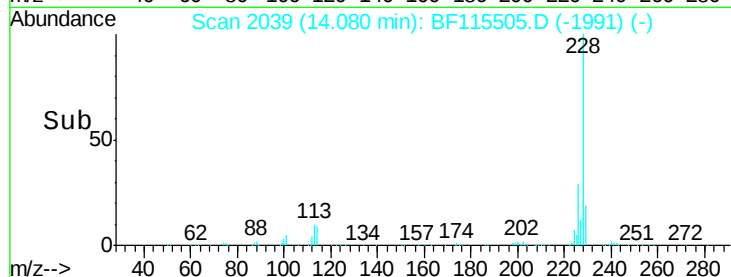
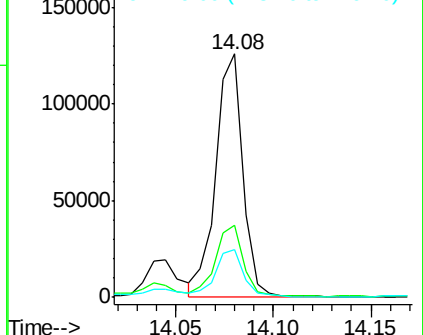
229 19.7 16.1 24.1



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



#86

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

RT: 17.01 min Scan# 2537

Delta R.T. -0.05 min

Lab File: BF115505.D

Acq: 11 Jul 2019 20:15

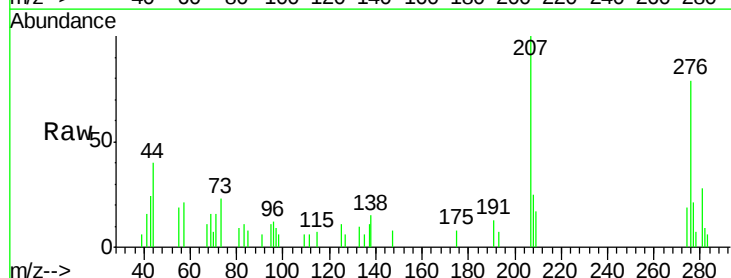
Tgt Ion:276 Resp: 7943

Ion Ratio Lower Upper

276 100

138 20.1 20.6 31.0#

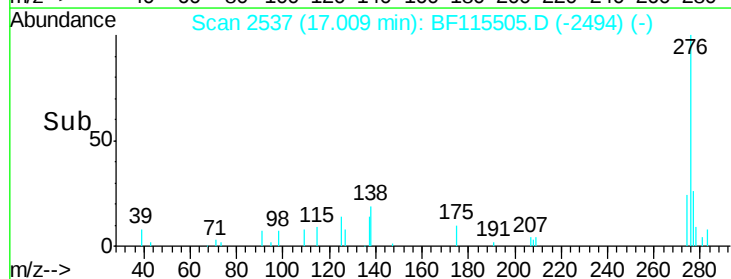
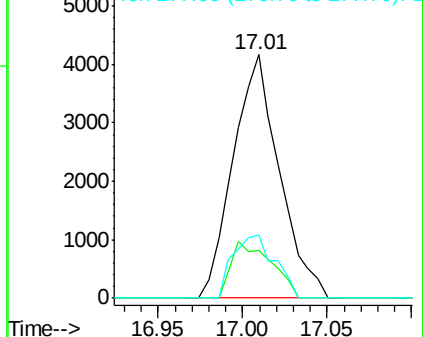
277 23.5 20.2 30.2

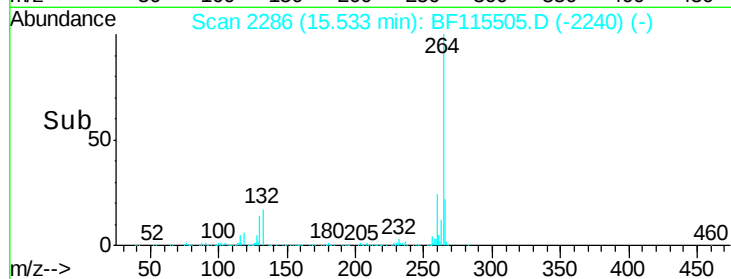
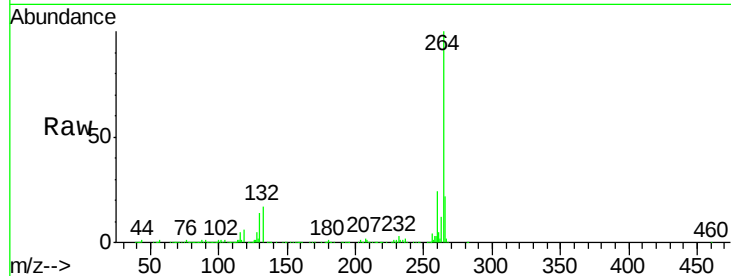
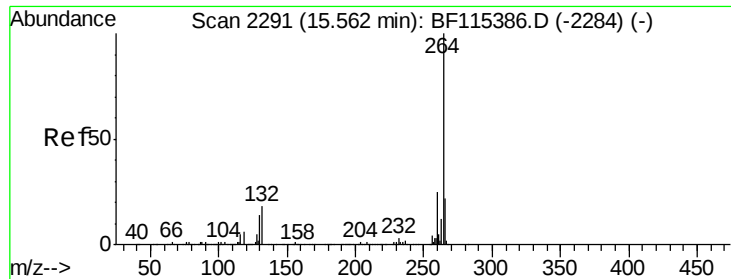


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.53 min Scan# 2286
 Delta R.T. -0.03 min
 Lab File: BF115505.D
 Acq: 11 Jul 2019 20:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.1	30.1
265	22.1	17.8	26.6

