

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111822.D
 Acq On : 3 Jan 2019 15:49
 Operator : JU/SJ
 Sample : K1002-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 03 16:35:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 03 14:48:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	286352	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1132369	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	582021	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	950392	20.00	ng	0.00
76) Chrysene-d12	14.06	240	629443	20.00	ng	0.00
87) Perylene-d12	15.55	264	505265	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1200830	71.48	ng	0.00
7) Phenol-d6	6.55	99	1603362	74.99	ng	0.00
23) Nitrobenzene-d5	7.46	82	1024253	52.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	501913	72.98	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1809115	45.31	ng	0.00
79) Terphenyl-d14	13.01	244	1339346	40.35	ng	0.00

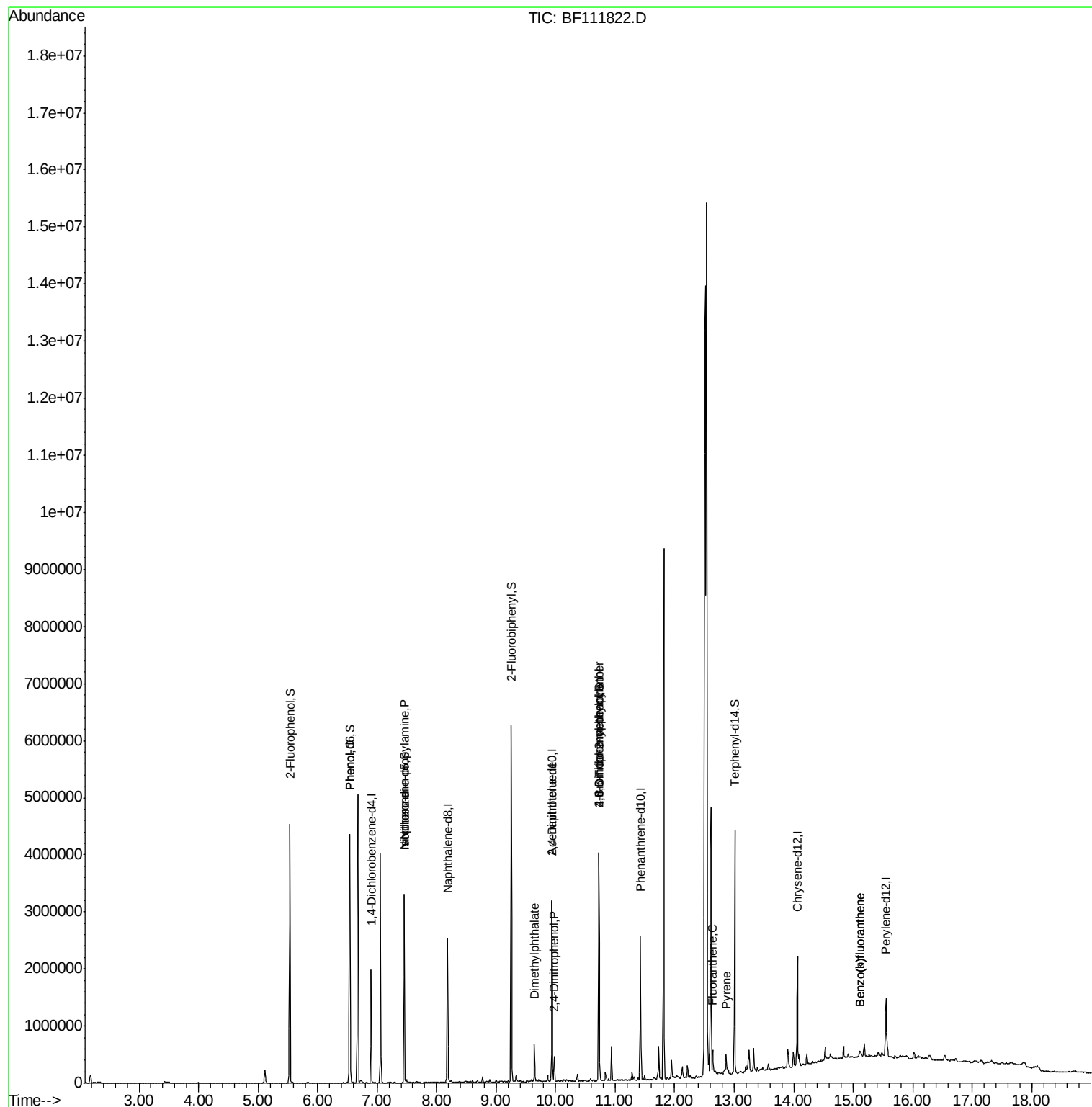
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	75002	3.109	ng	94
19) n-Nitroso-di-n-propylamine	7.46	70	138926	9.784	ng	# 77
25) Isophorone	7.46	82	1016802	29.442	ng	# 64
50) Dimethylphthalate	9.65	163	235904	5.543	ng	97
54) 2,4-Dinitrophenol	9.97	184	583	7.502	ng	# 1
57) 2,4-Dinitrotoluene	9.94	165	77529	7.601	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.73	198	948	6.901	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	30090	2.553	ng	# 1
75) Fluoranthene	12.64	202	138003	2.704	ng	95
78) Pyrene	12.87	202	135177	3.041	ng	95
88) Benzo(b)fluoranthene	15.12	252	75505	2.557	ng	# 92
89) Benzo(k)fluoranthene	15.12	252	75505	2.686	ng	# 92

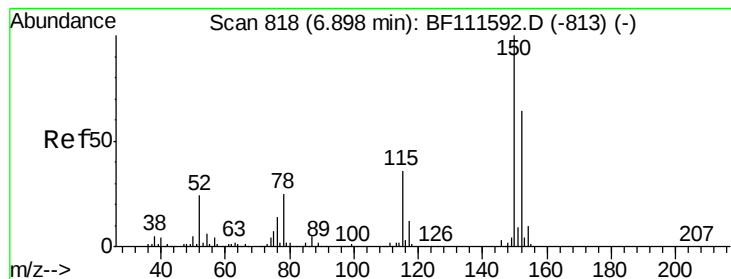
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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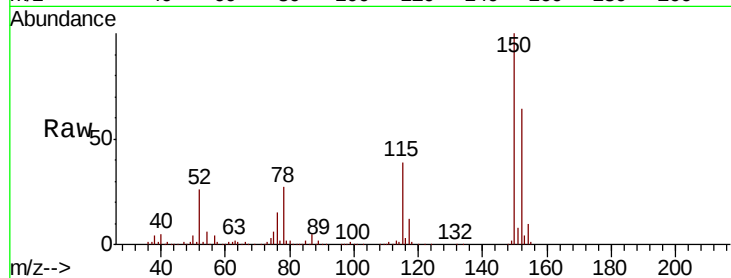


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.6	189.8
115	60.2	50.7	76.1

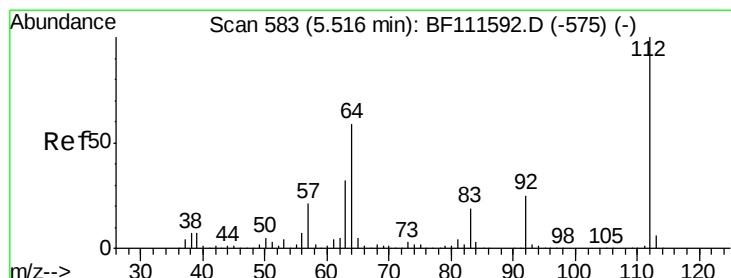
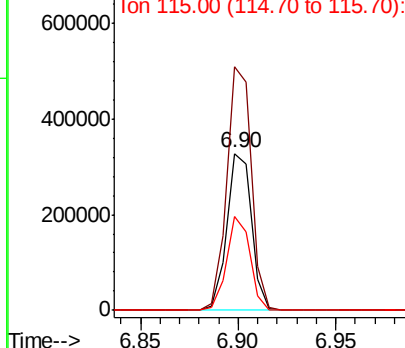
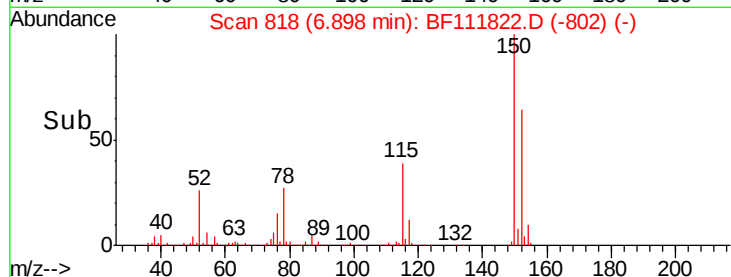


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

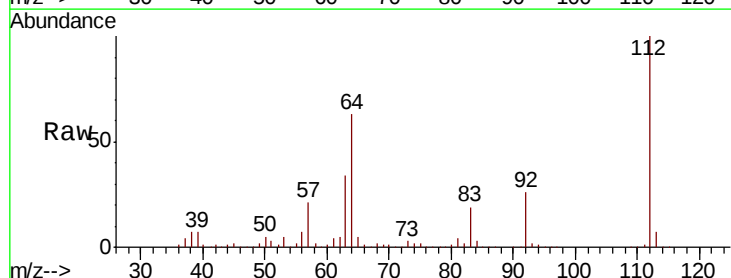
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 71.480 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	51.8	77.6
63	33.5	26.8	40.2

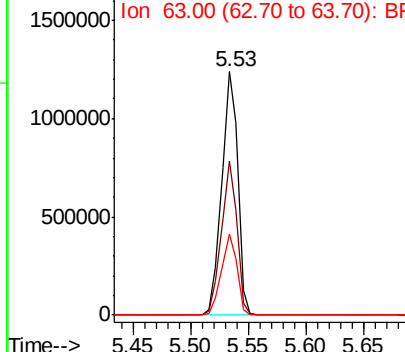
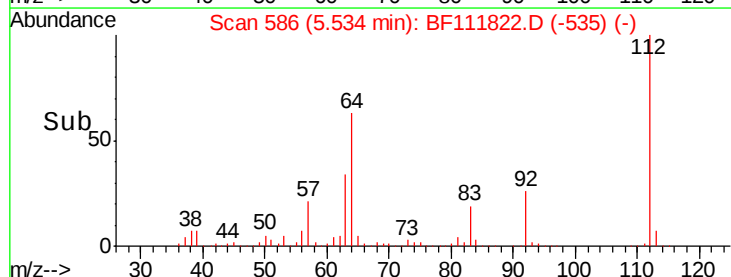


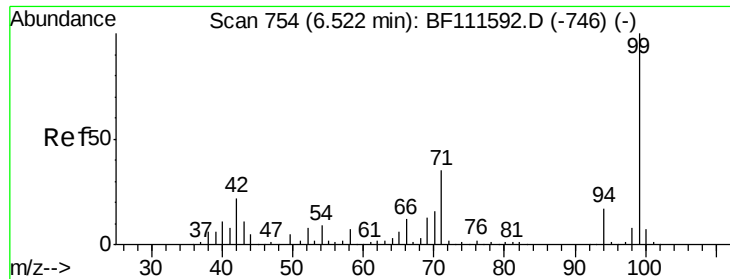
Abundance

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: 74.994 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF111822.D

Acq: 3 Jan 2019 15:49

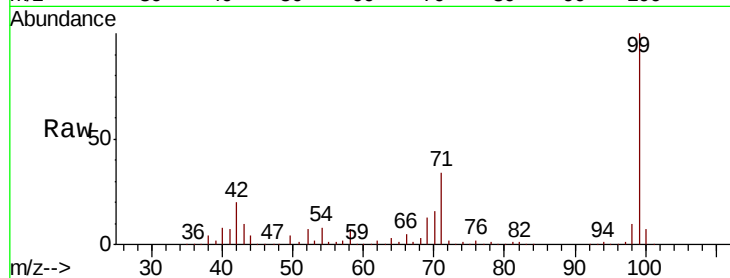
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1603362

Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.4	26.0
71	33.8	26.1	39.1

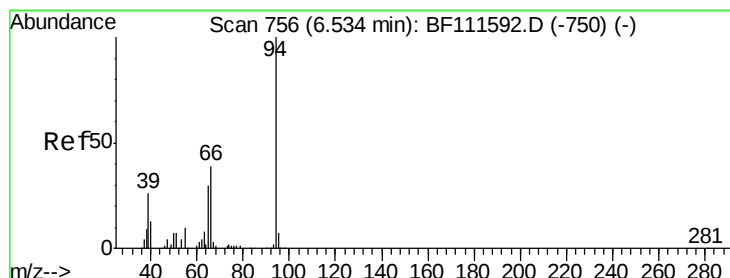
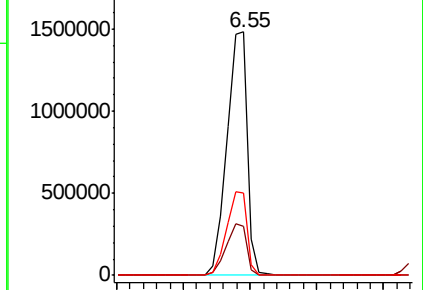
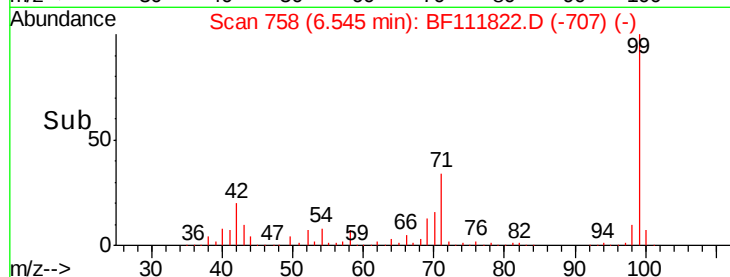


Abundance

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



#10

Phenol

Concen: 3.109 ng

RT: 6.55 min Scan# 759

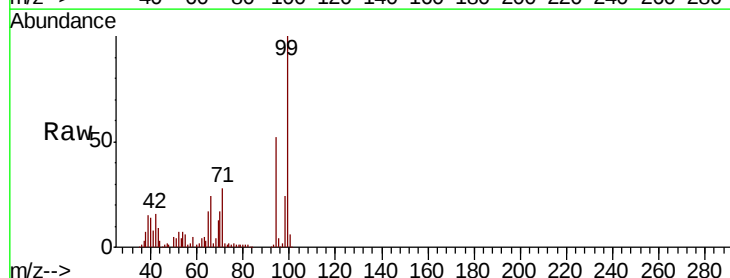
Delta R.T. -0.01 min

Lab File: BF111822.D

Acq: 3 Jan 2019 15:49

Tgt Ion: 94 Resp: 75002

Ion	Ratio	Lower	Upper
94	100		
65	32.0	11.7	51.7
66	46.9	21.0	61.0

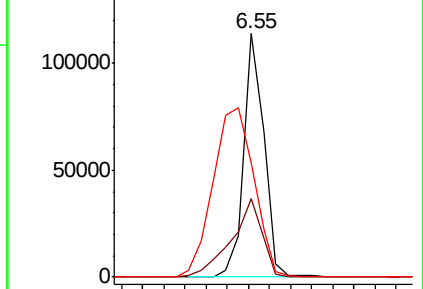
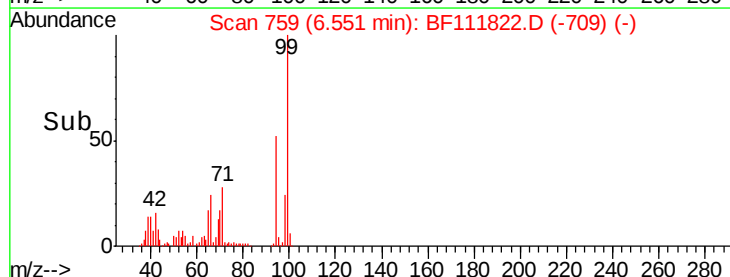


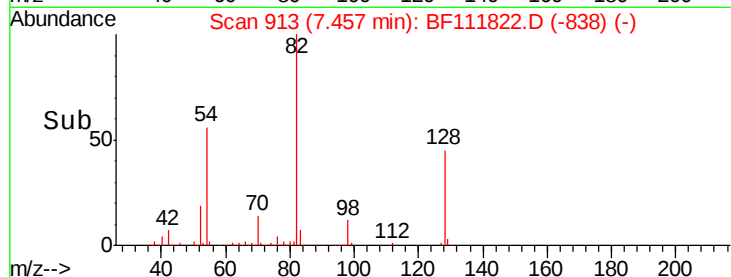
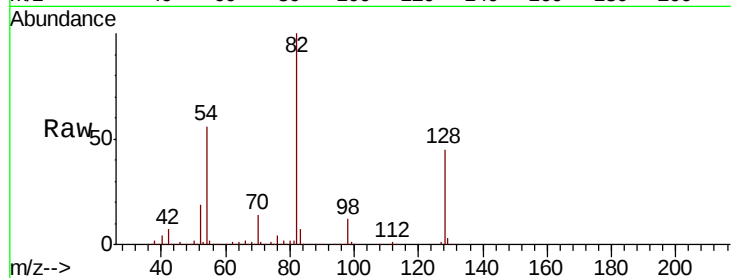
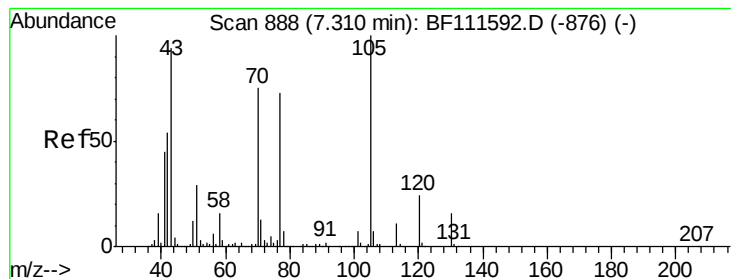
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 9.784 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF111822.D

Acq: 3 Jan 2019 15:49

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 138926

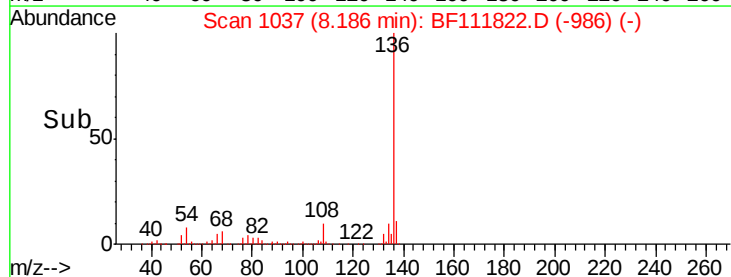
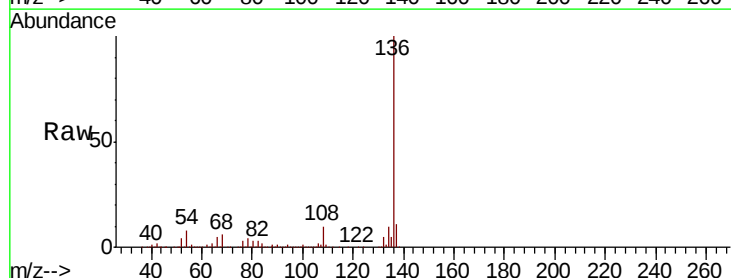
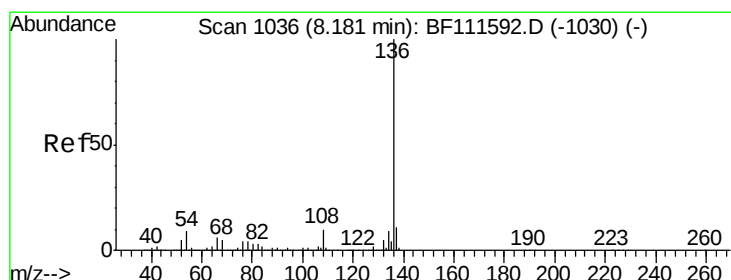
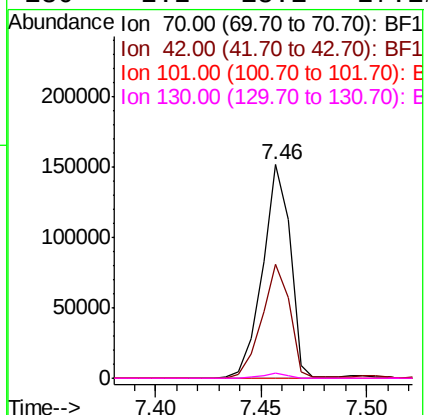
Ion Ratio Lower Upper

70 100

42 53.4 53.2 79.8

101 0.0 8.2 12.4#

130 2.2 18.1 27.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF111822.D

Acq: 3 Jan 2019 15:49

Tgt Ion:136 Resp: 1132369

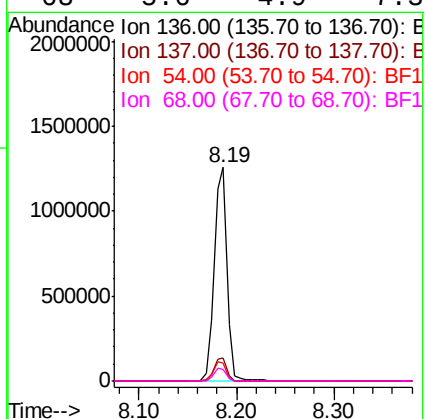
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.3 7.7 11.5

68 5.6 4.9 7.3

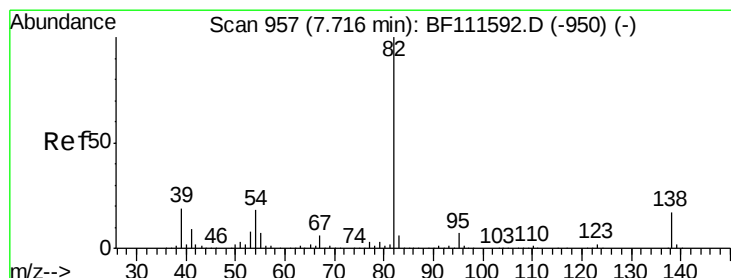
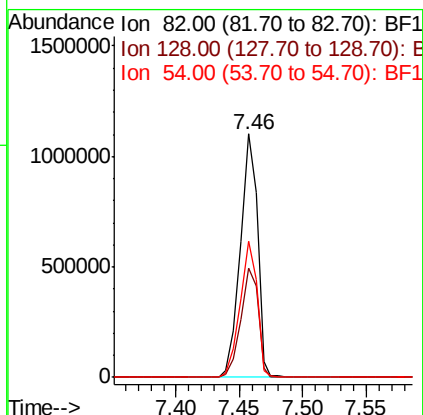
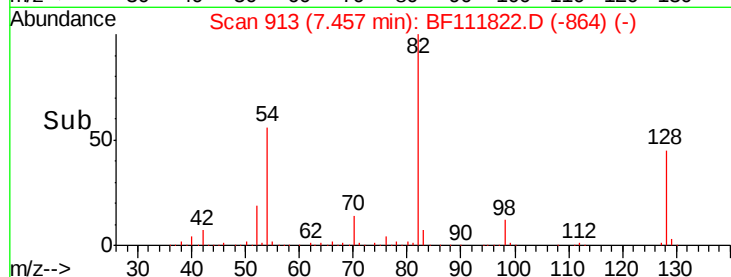
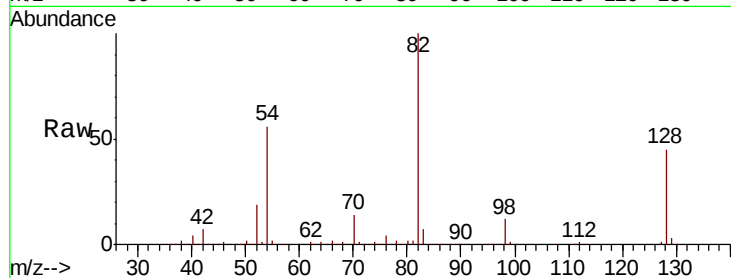




#23
Nitrobenzene-d5
Concen: 52.650 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

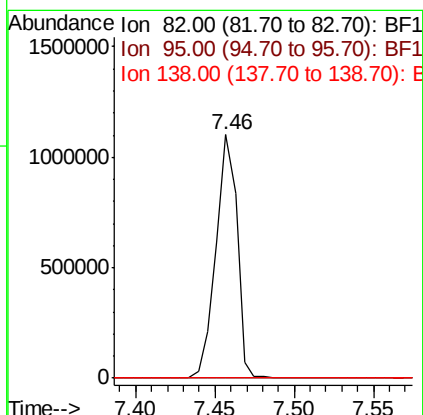
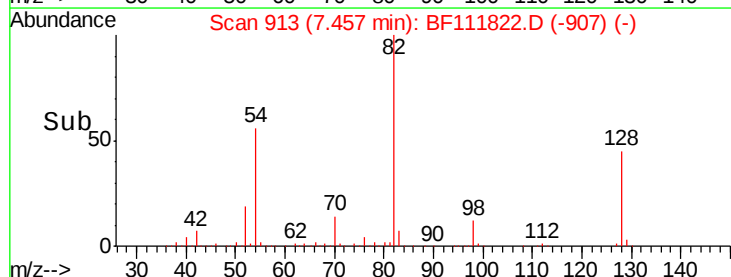
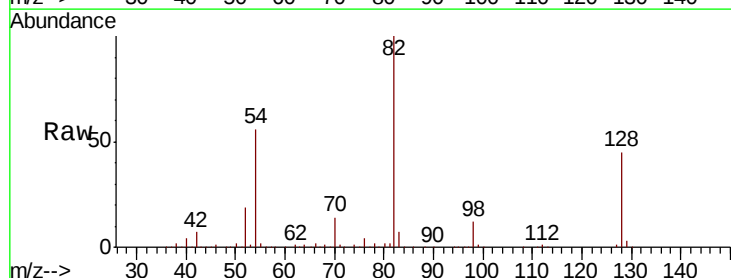
Instrument :
BNA_F
ClientSampled :

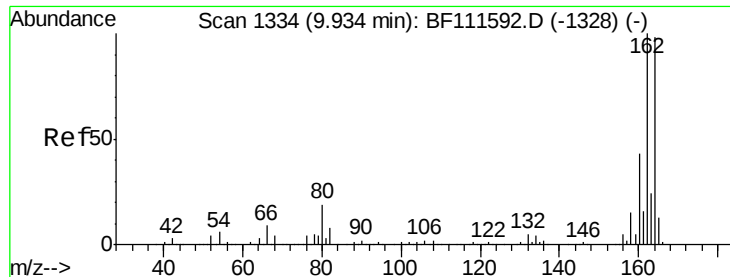
Tot Ion: 82 Resp: 1024253
Ion Ratio Lower Upper
82 100
128 44.8 37.4 56.2
54 56.0 47.6 71.4



#25
Isophorone
Concen: 29.442 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Tgt Ion: 82 Resp: 1016802
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#

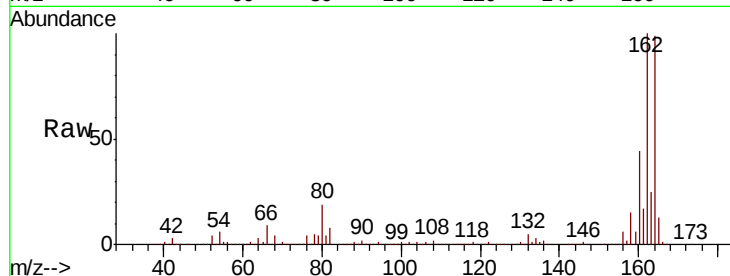




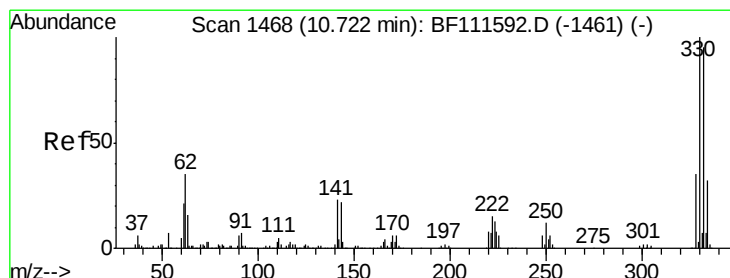
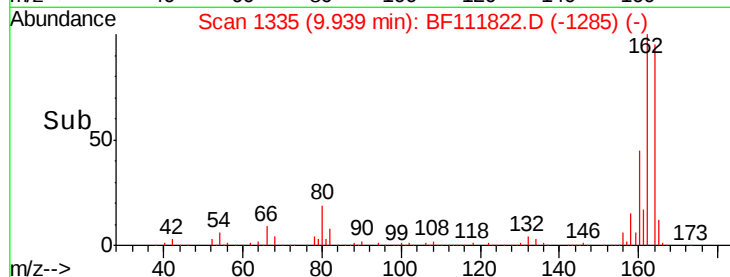
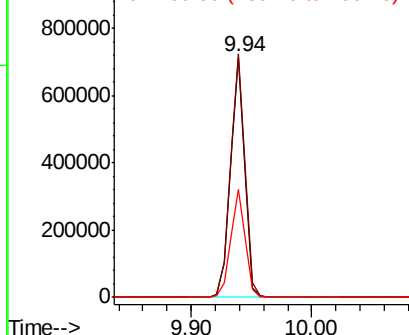
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.4	122.0
160	45.1	35.7	53.5

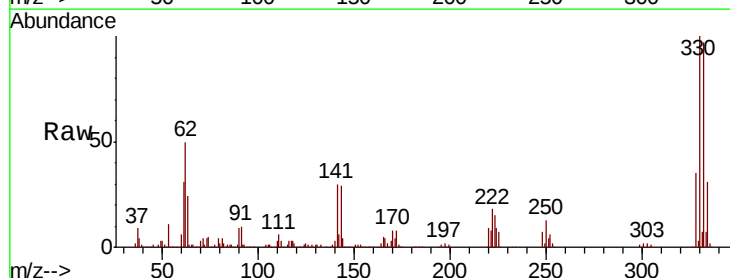


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

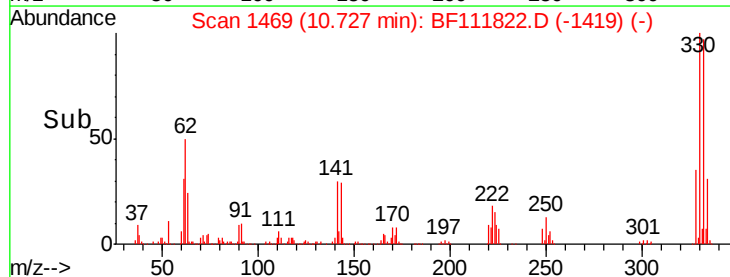
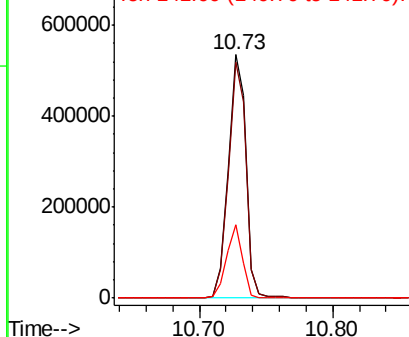


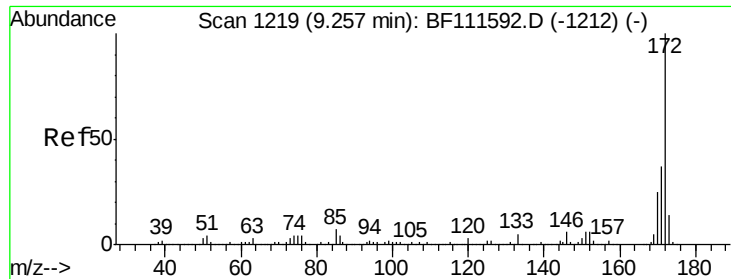
#42
2,4,6-Tribromophenol
Concen: 72.984 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.0	114.0
141	27.8	31.0	46.6#



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

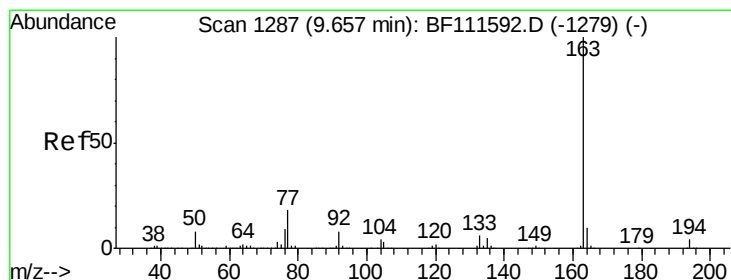
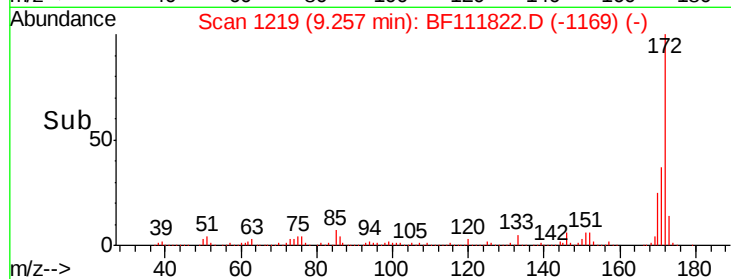
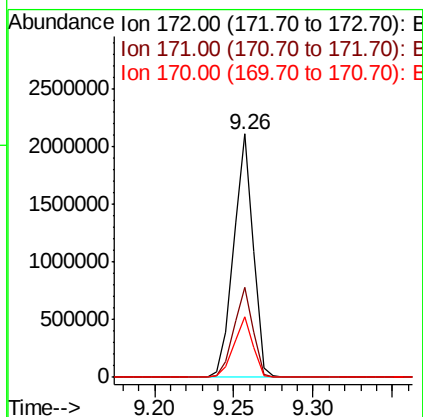
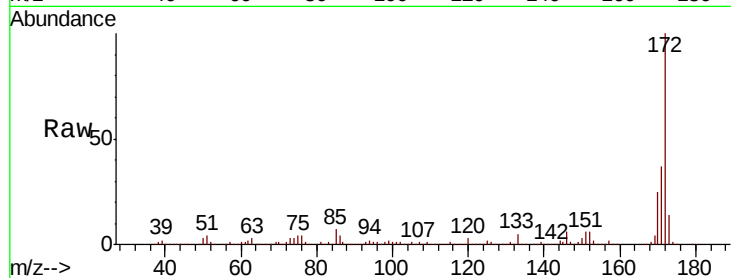




#45
2-Fluorobiphenyl
Concen: 45.306 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

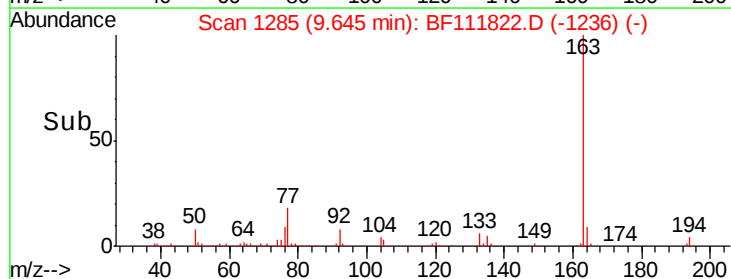
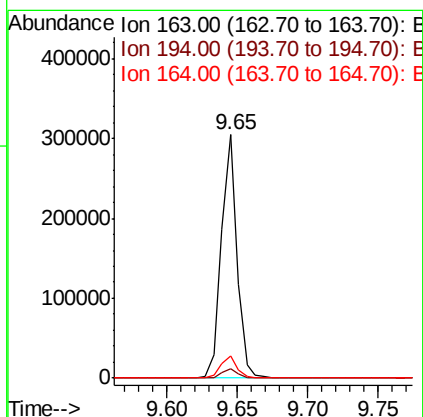
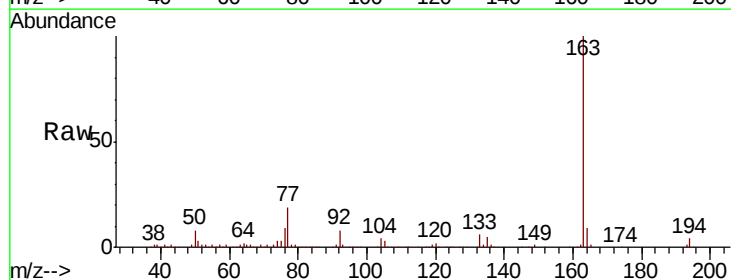
Instrument :
BNA_F
ClientSampled :

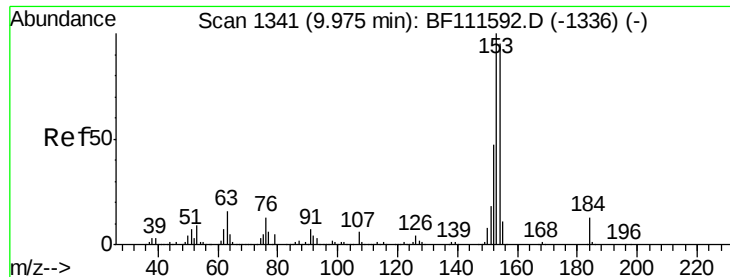
Tot Ion:172 Resp: 1809115
Ion Ratio Lower Upper
172 100
171 37.0 33.0 49.4
170 24.8 22.3 33.5



#50
Dimethylphthalate
Concen: 5.543 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Tgt Ion:163 Resp: 235904
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 9.3 8.9 13.3





#54

2,4-Dinitrophenol

Concen: 7.502 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF111822.D

Acq: 3 Jan 2019 15:49

Instrument :

BNA_F

ClientSampled :

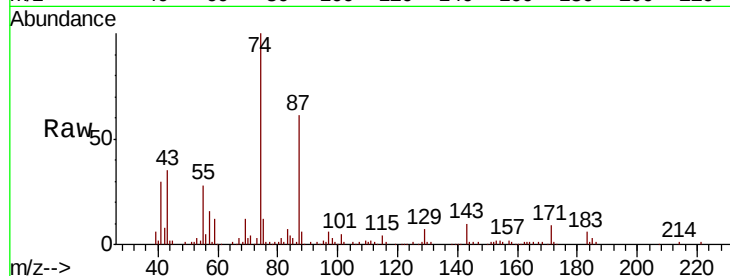
Tot Ion:184 Resp: 583

Ion Ratio Lower Upper

184 100

63 0.0 62.3 93.5#

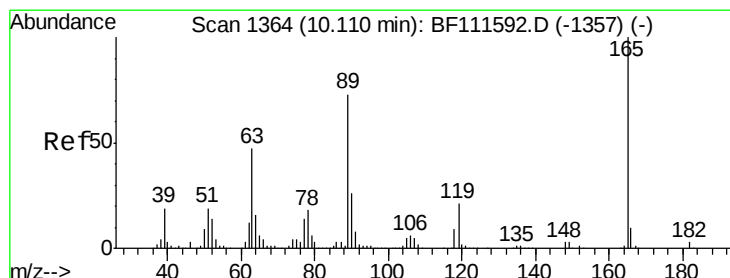
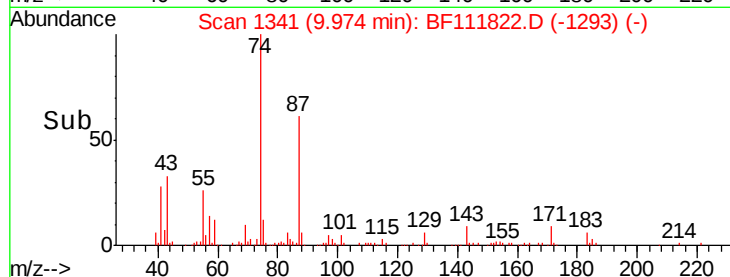
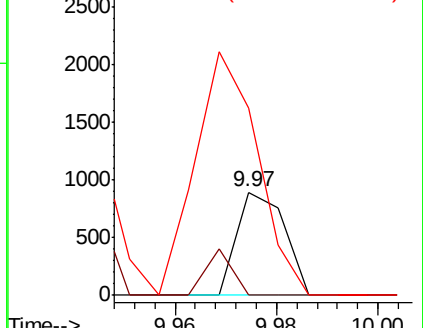
154 180.8 56.2 84.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 7.601 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.18 min

Lab File: BF111822.D

Acq: 3 Jan 2019 15:49

Tgt Ion:165 Resp: 77529

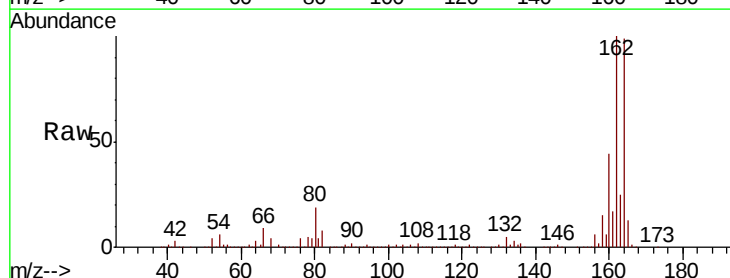
Ion Ratio Lower Upper

165 100

63 1.2 34.6 52.0#

89 1.6 56.2 84.4#

182 0.0 1.8 2.6#

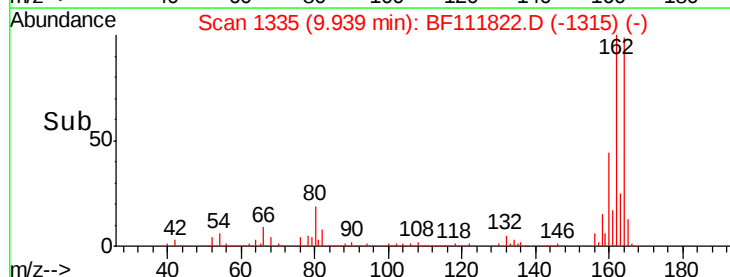
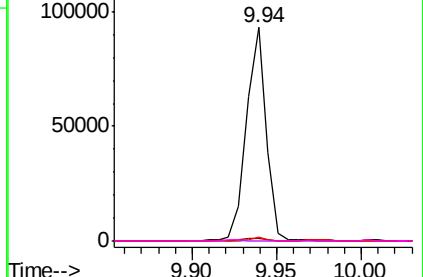


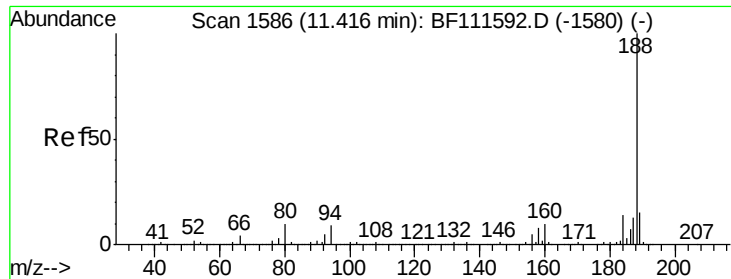
Abundance Ion 165.00 (164.70 to 165.70): E

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

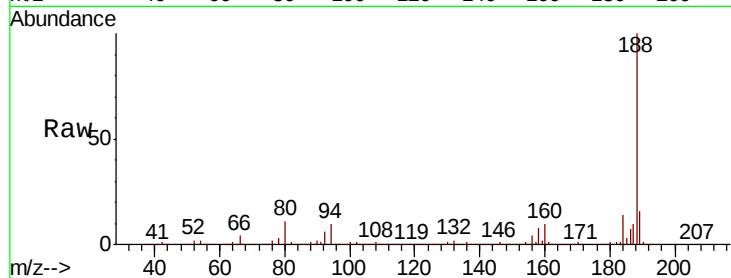




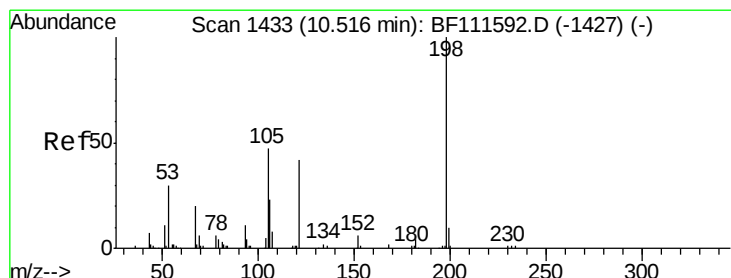
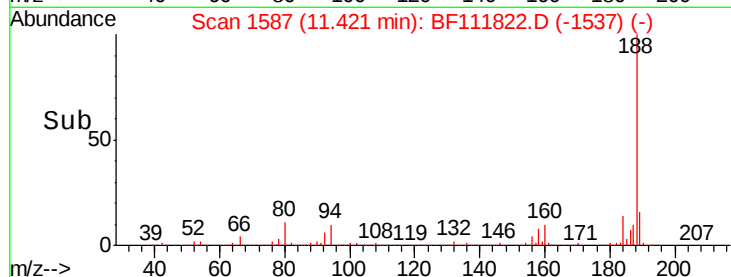
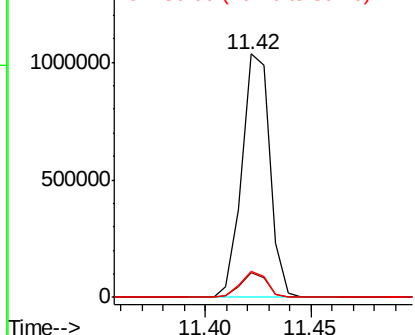
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 950392
Ion Ratio Lower Upper
188 100
94 10.3 9.6 14.4
80 10.9 9.8 14.6

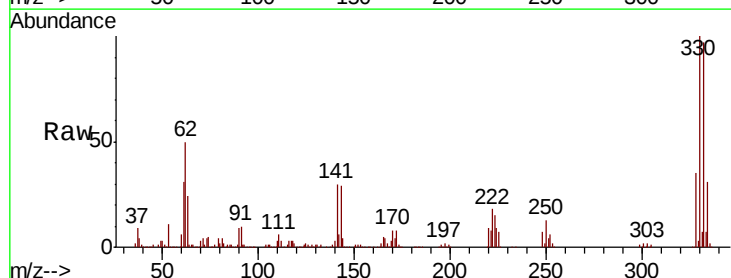


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

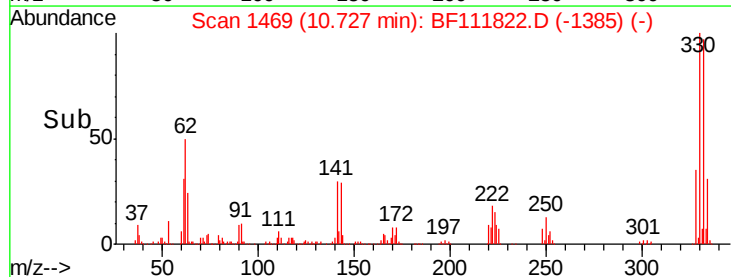
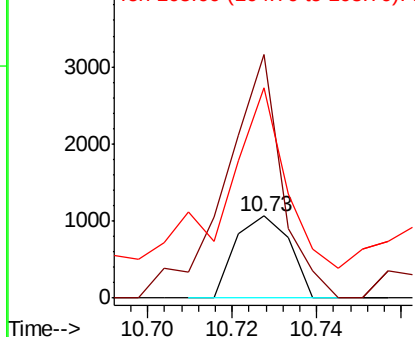


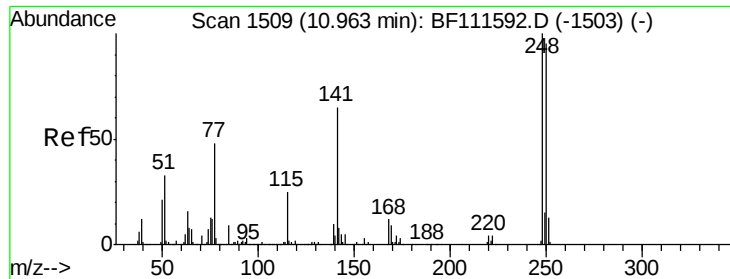
#65
4,6-Dinitro-2-methylphenol
Concen: 6.901 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.19 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Tgt Ion:198 Resp: 948
Ion Ratio Lower Upper
198 100
51 296.2 48.0 88.0#
105 255.2 34.0 74.0#



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

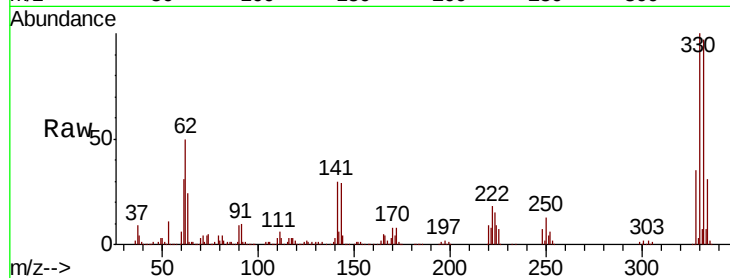




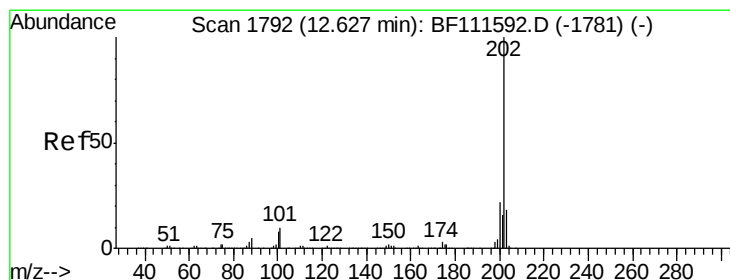
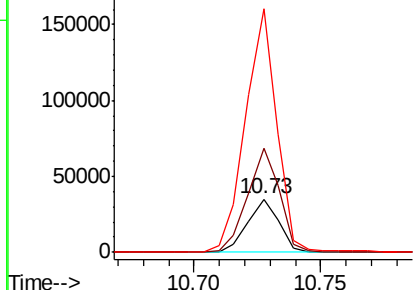
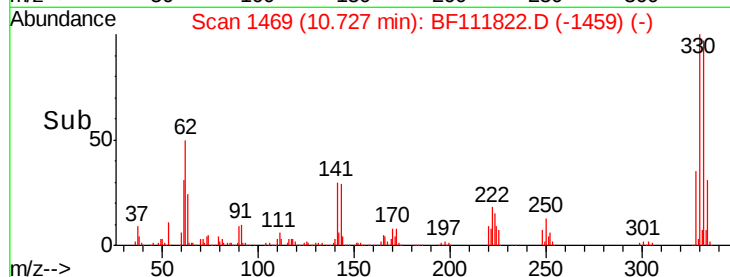
#67
 4-Bromophenyl-phenylether
 Concen: 2.553 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.24 min
 Lab File: BF111822.D
 Acq: 3 Jan 2019 15:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 30090
 Ion Ratio Lower Upper
 248 100
 250 196.0 77.0 115.4#
 141 459.5 63.0 94.6#

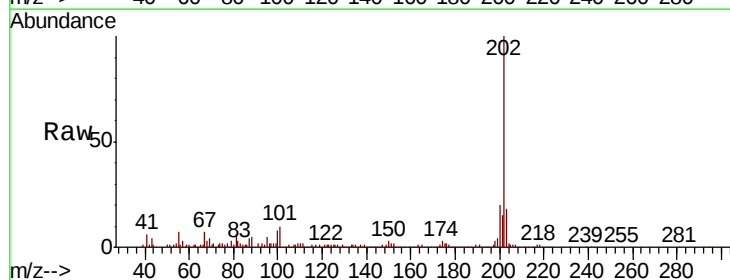


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

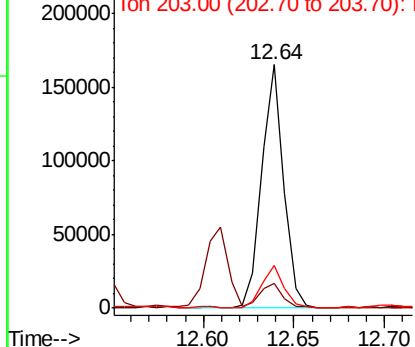
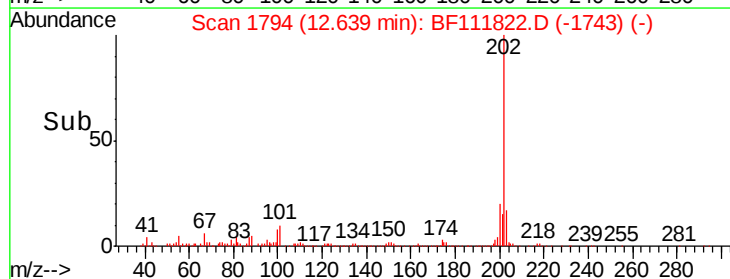


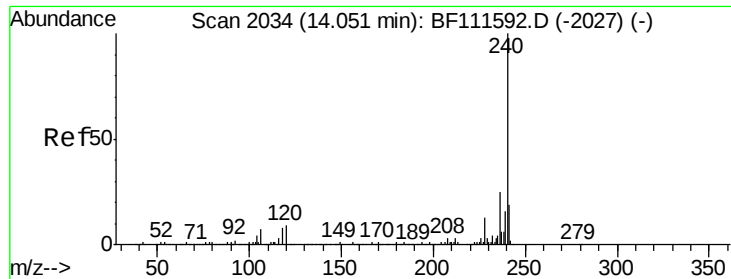
#75
 Fluoranthene
 Concen: 2.704 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: BF111822.D
 Acq: 3 Jan 2019 15:49

Tgt Ion:202 Resp: 138003
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 33.8
 203 17.7 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

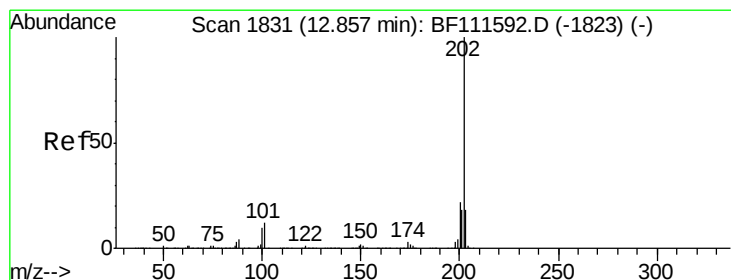
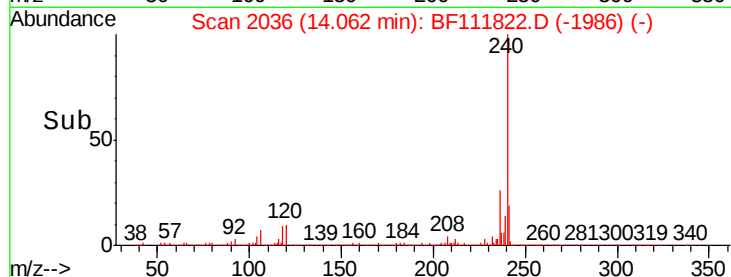
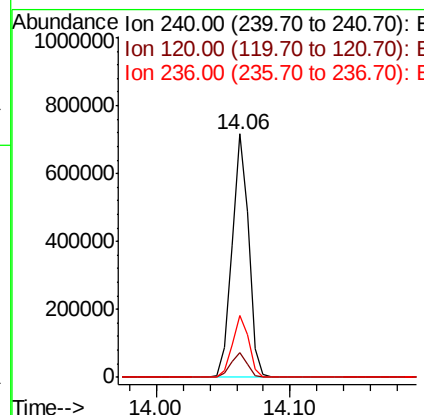
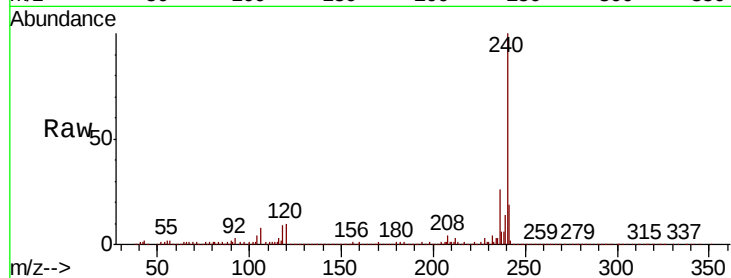




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF111822.D
 Acq: 3 Jan 2019 15:49

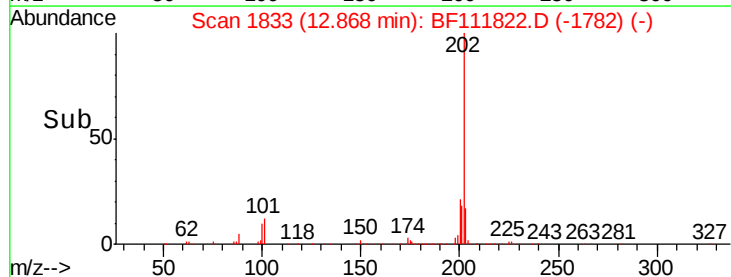
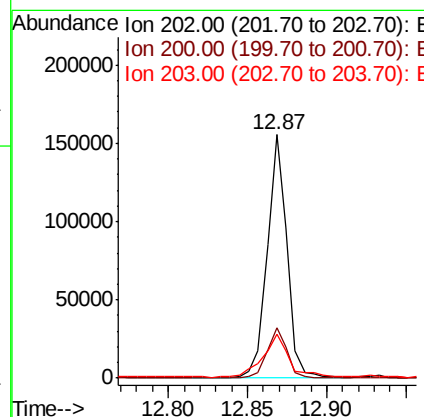
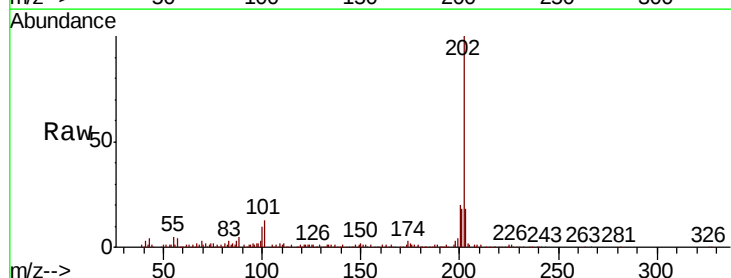
Instrument :
 BNA_F
 ClientSampleId :

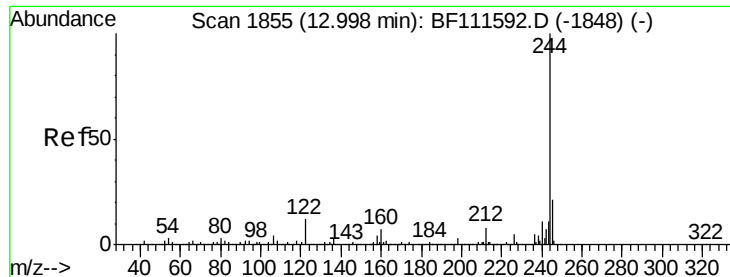
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	12.2	18.2#
236	25.6	20.2	30.2



#78
 Pyrene
 Concen: 3.041 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BF111822.D
 Acq: 3 Jan 2019 15:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	19.0	28.4
203	17.9	15.2	22.8





#79

Terphenyl-d14

Concen: 40.352 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF111822.D

Acq: 3 Jan 2019 15:49

Instrument :

BNA_F

ClientSampleId :

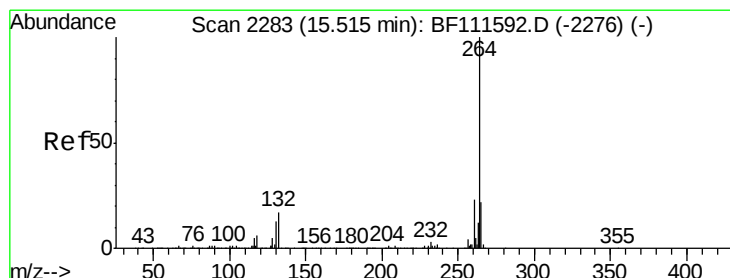
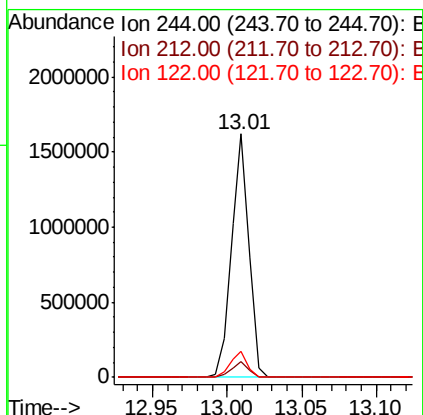
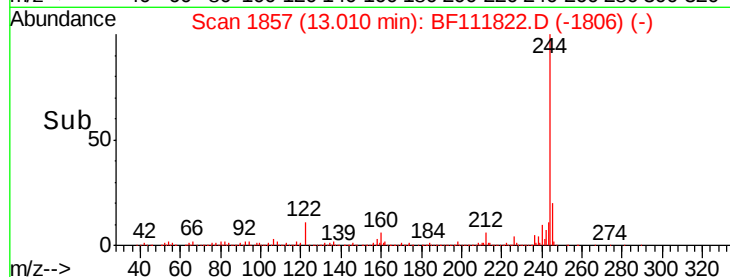
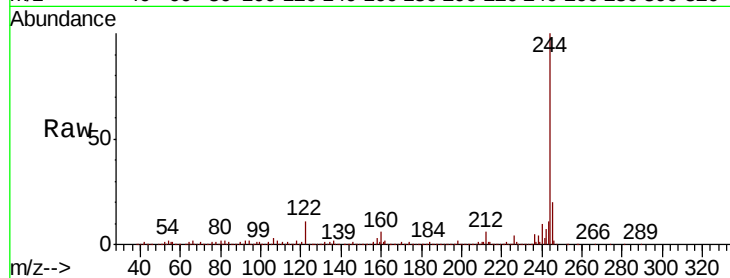
Tot Ion:244 Resp: 1339346

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

122 10.6 13.1 19.7#



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF111822.D

Acq: 3 Jan 2019 15:49

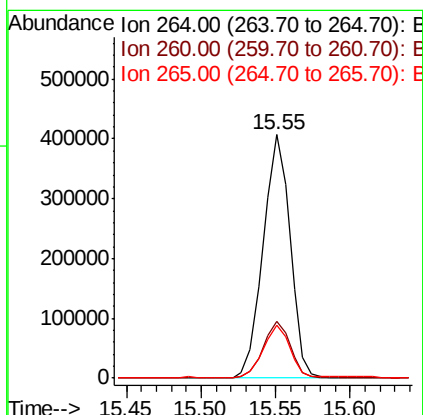
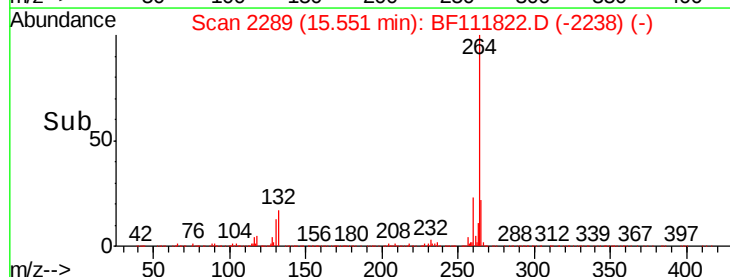
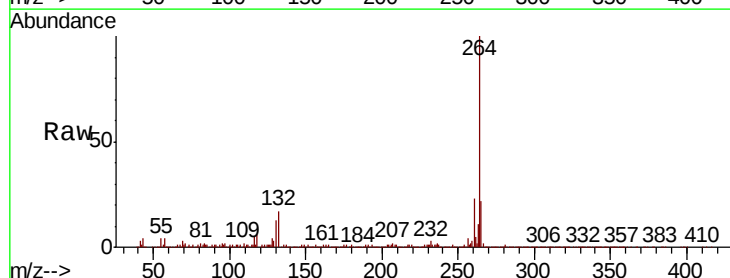
Tgt Ion:264 Resp: 505265

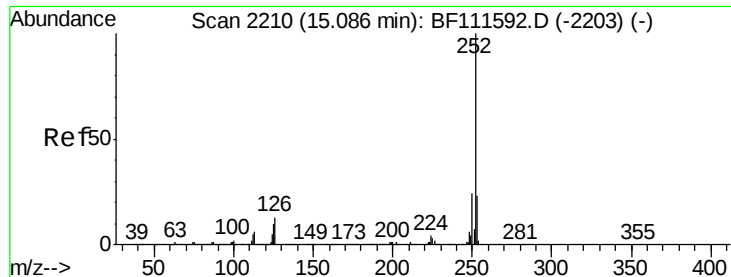
Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 21.7 17.7 26.5

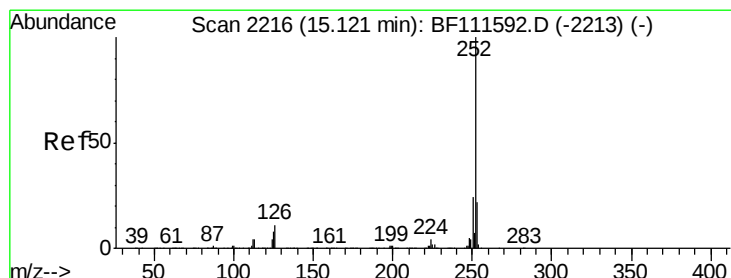
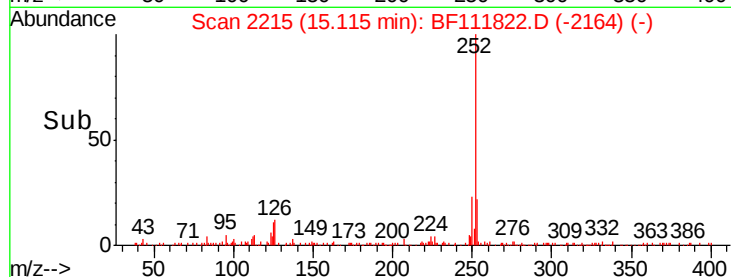
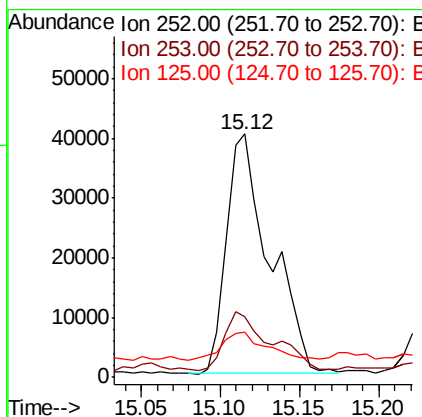
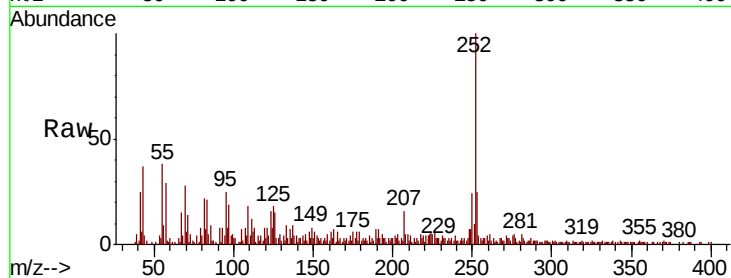




#88
Benzo(b)fluoranthene
Concen: 2.557 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	18.5	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 2.686 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF111822.D
Acq: 3 Jan 2019 15:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	18.5	9.8	14.8

