

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111365.D
 Acq On : 13 Dec 2018 12:39
 Operator : JU/SJ
 Sample : J6334-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 13:57:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

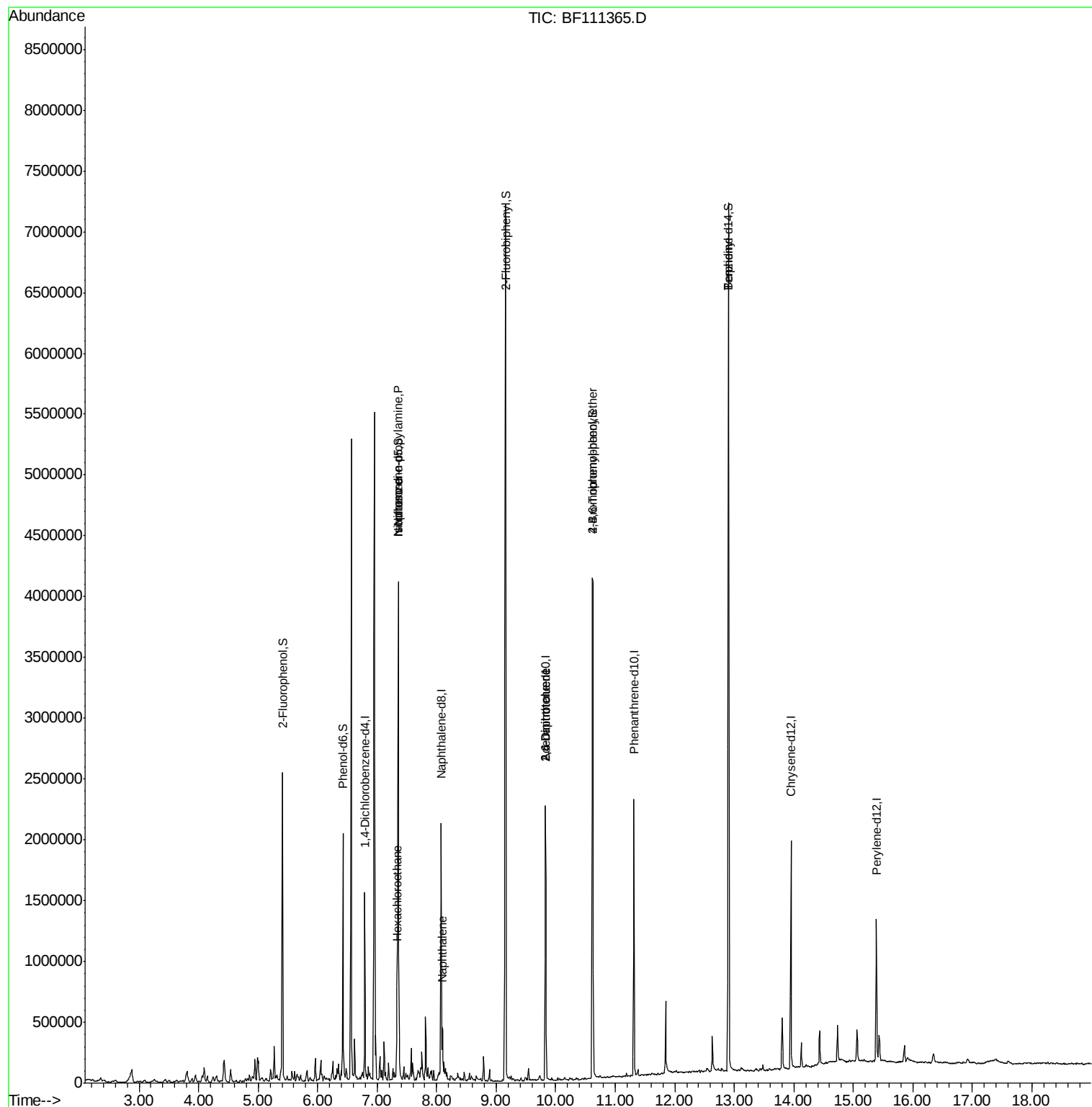
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	206314	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	848683	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	430299	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	836036	20.00	ng	0.00
76) Chrysene-d12	13.95	240	672452	20.00	ng	0.00
87) Perylene-d12	15.39	264	504472	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	726225	59.52	ng	0.00
7) Phenol-d6	6.42	99	566550	34.44	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1400351	93.00	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	519257	136.89	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2389005	89.14	ng	0.00
79) Terphenyl-d14	12.90	244	2715937	88.89	ng	0.00
Target Compounds						
9) Benzaldehyde	6.35	77	5630	Below Cal	Qvalue	# 1
18) Hexachloroethane	7.33	117	32337	5.300	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	186724	17.082	ng	# 78
25) Isophorone	7.36	82	1381312	54.006	ng	# 64
31) Naphthalene	8.09	128	143813	3.637	ng	# 96
51) 2,6-Dinitrotoluene	9.83	165	56297	8.208	ng	# 30
57) 2,4-Dinitrotoluene	9.83	165	56298	6.404	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	33515	3.601	ng	# 1
77) Benzidine	12.90	184	34877	2.748	ng	# 95

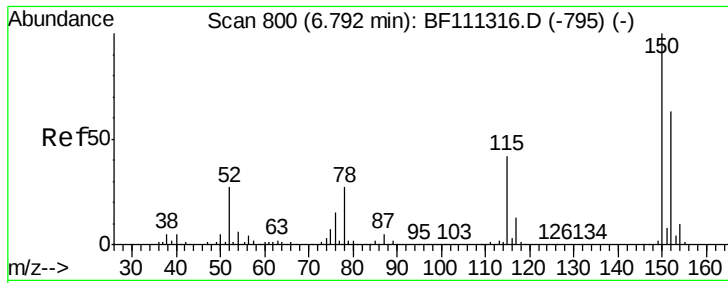
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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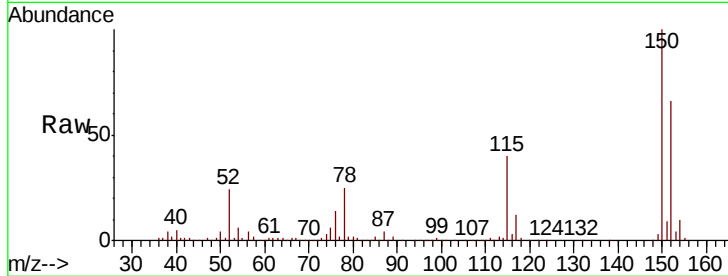




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111365.D
 Acq: 13 Dec 2018 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	126.6	189.8
115	60.6	50.7	76.1

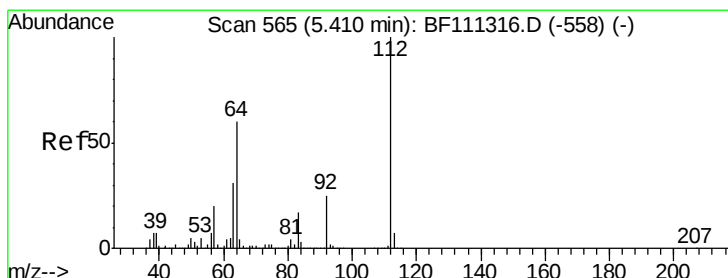
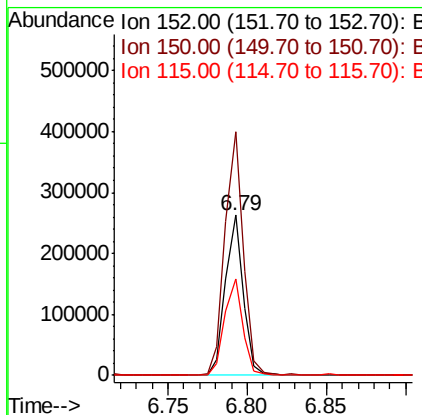
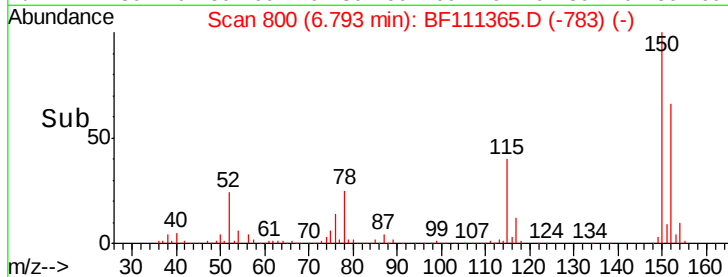


Abundance

Ion 152.00 (151.70 to 152.70): E

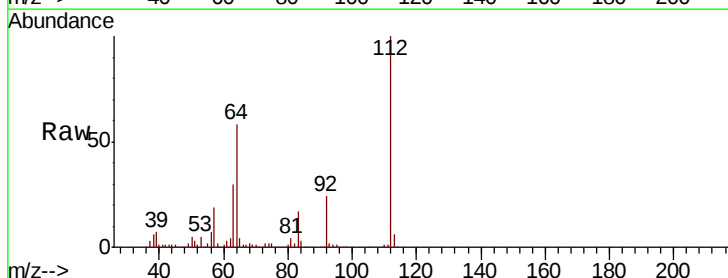
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 59.524 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF111365.D
 Acq: 13 Dec 2018 12:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	51.8	77.6
63	30.1	26.8	40.2

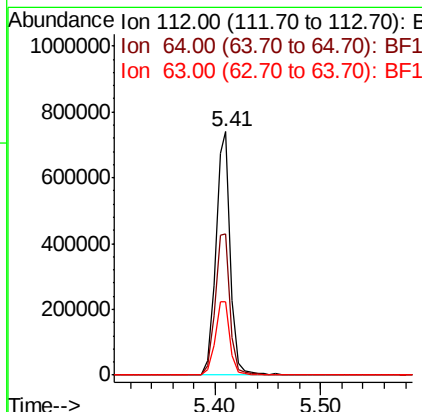
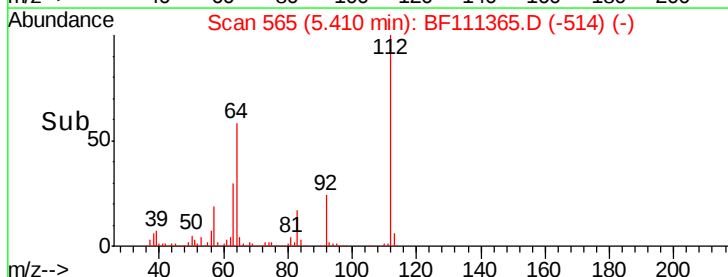


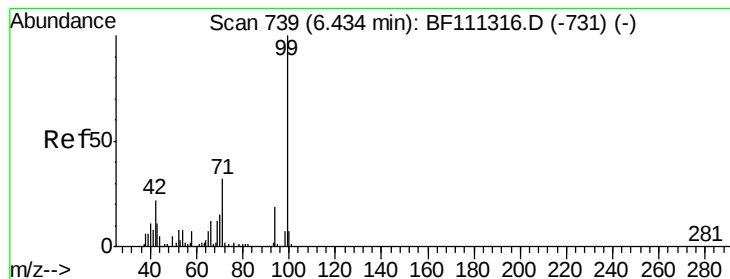
Abundance

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: 34.442 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

Instrument :

BNA_F

ClientSampled :

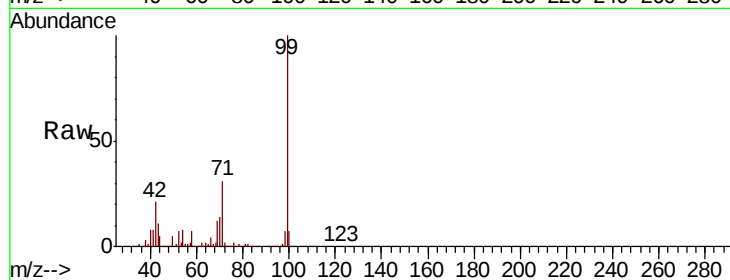
Tot Ion: 99 Resp: 566550

Ion Ratio Lower Upper

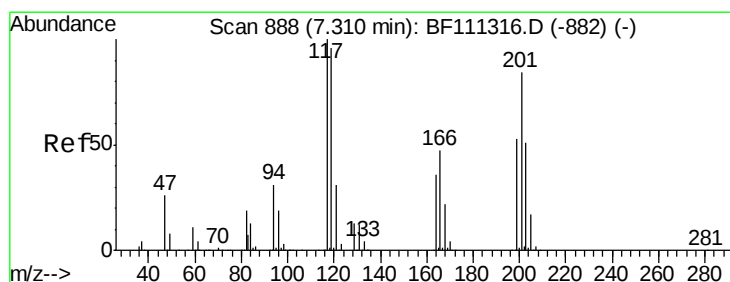
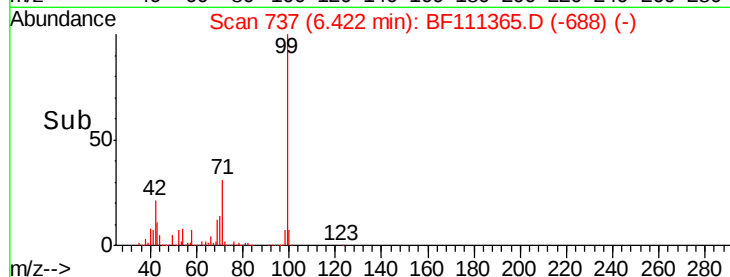
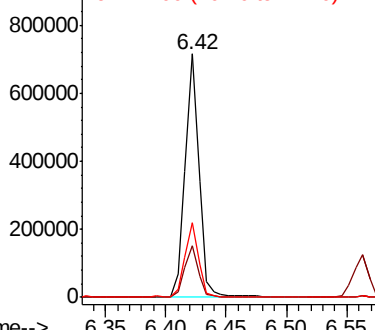
99 100

42 21.0 17.4 26.0

71 30.7 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



#18

Hexachloroethane

Concen: 5.300 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.02 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

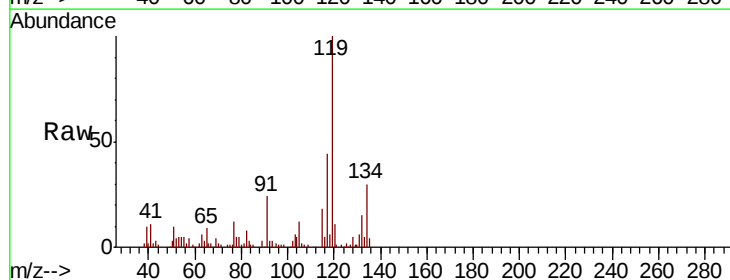
Tgt Ion: 117 Resp: 32337

Ion Ratio Lower Upper

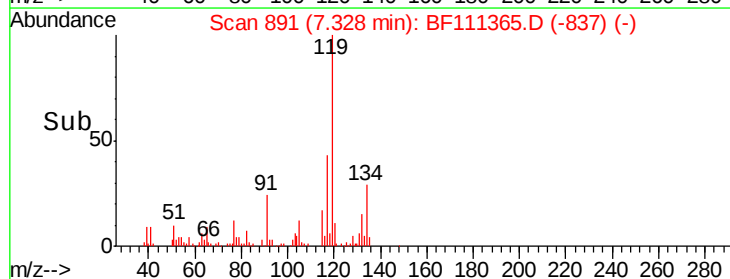
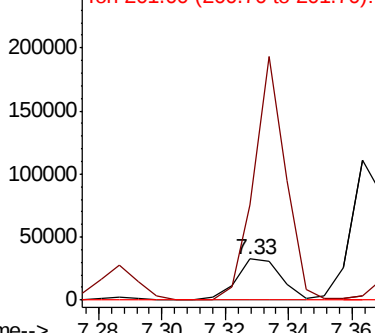
117 100

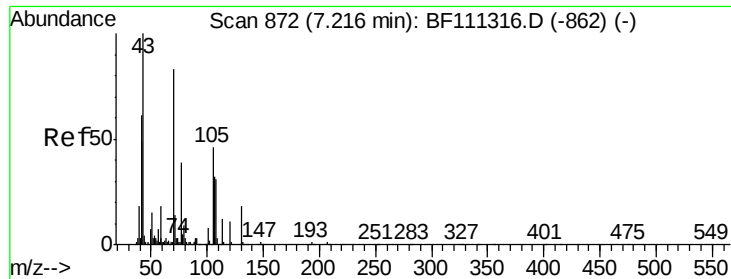
119 229.0 75.4 113.0#

201 0.0 62.4 93.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

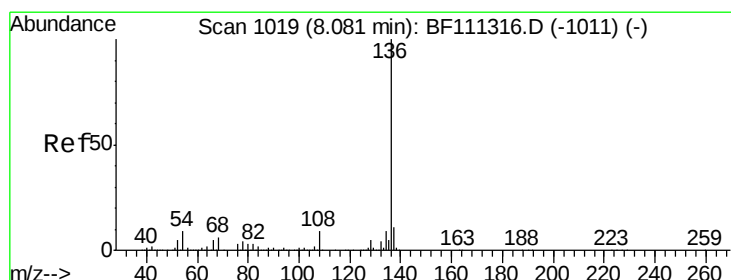
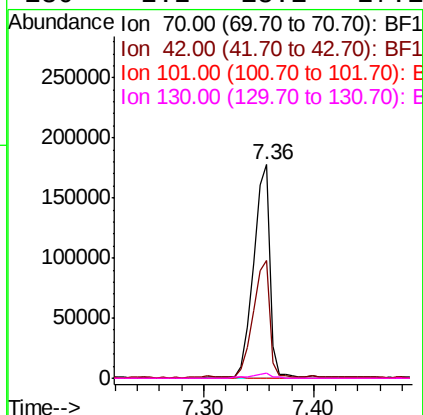
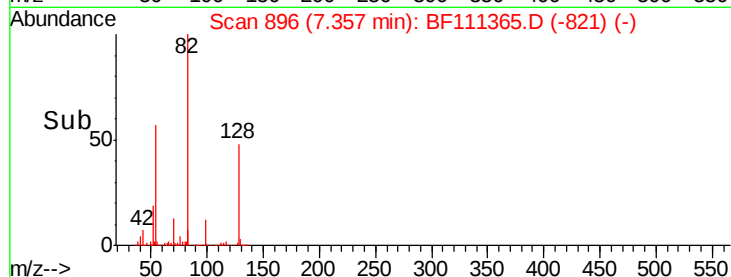
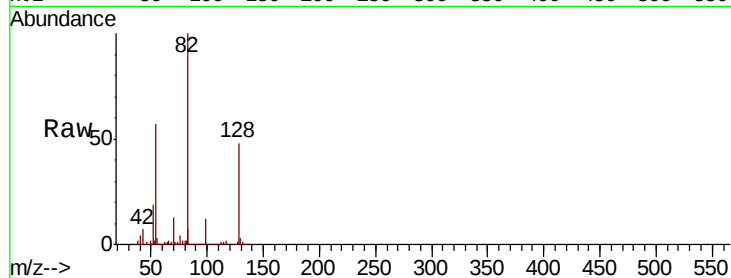




#19
n-Nitroso-di-n-propylamine
Concen: 17.082 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111365.D
Acq: 13 Dec 2018 12:39

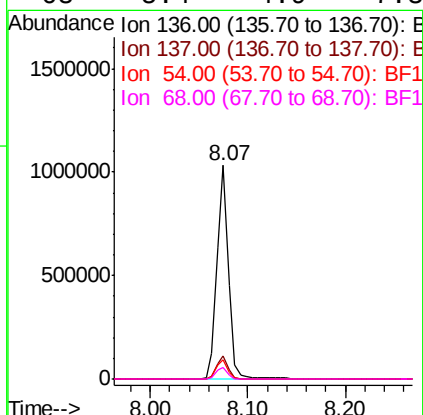
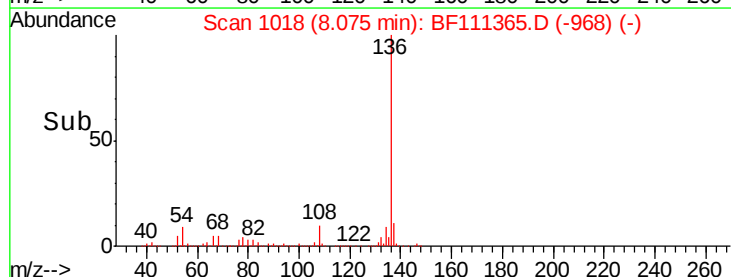
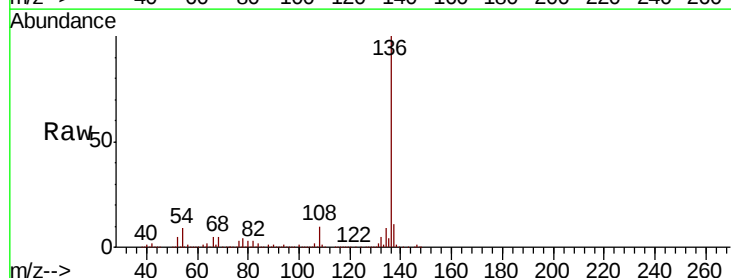
Instrument :
BNA_F
ClientSampleId :

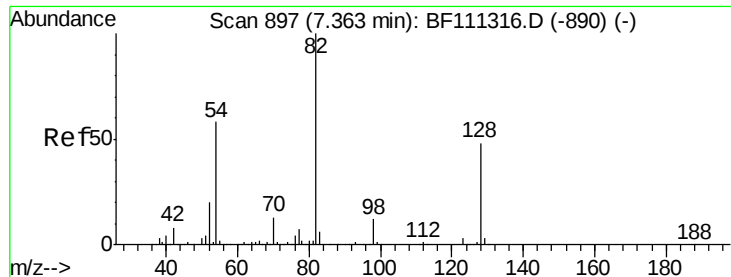
Tot Ion: 70 Resp: 186724
Ion Ratio Lower Upper
70 100
42 55.1 53.2 79.8
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111365.D
Acq: 13 Dec 2018 12:39

Tgt Ion: 136 Resp: 848683
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 9.0 7.7 11.5
68 5.4 4.9 7.3

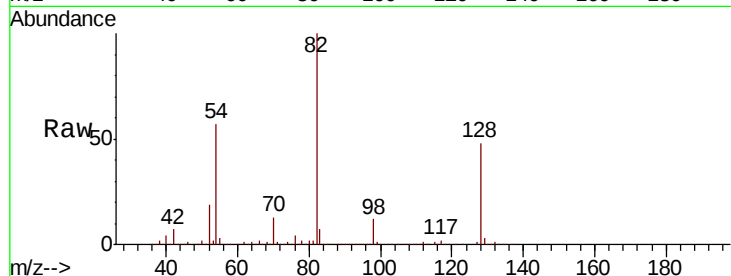




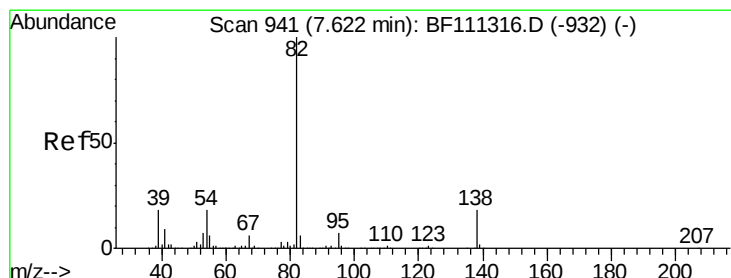
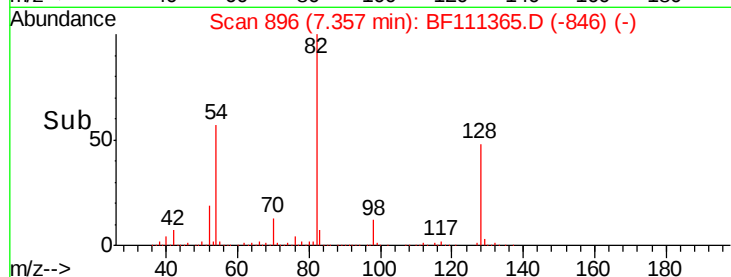
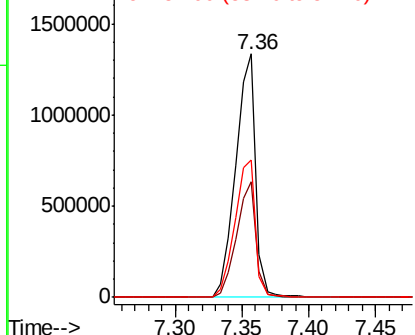
#23
Nitrobenzene-d5
Concen: 93.001 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111365.D
Acq: 13 Dec 2018 12:39

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1400351
Ion Ratio Lower Upper
82 100
128 47.7 37.4 56.2
54 56.6 47.6 71.4

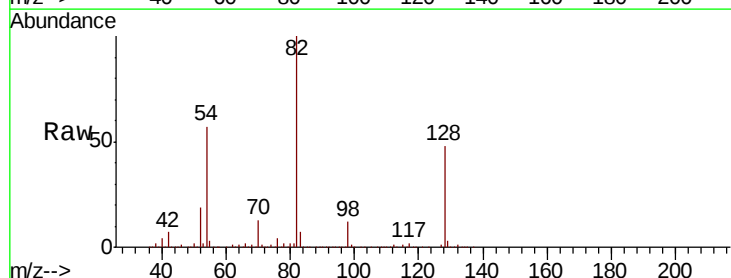


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

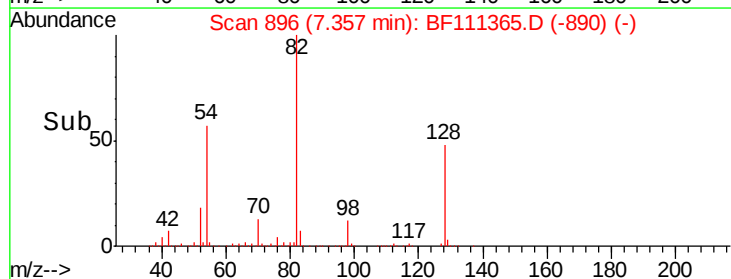
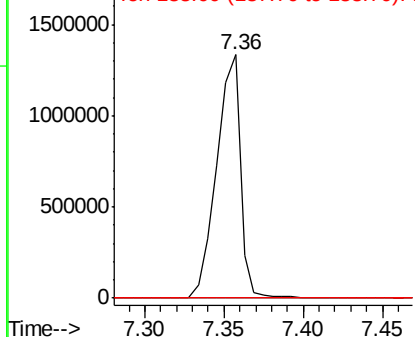


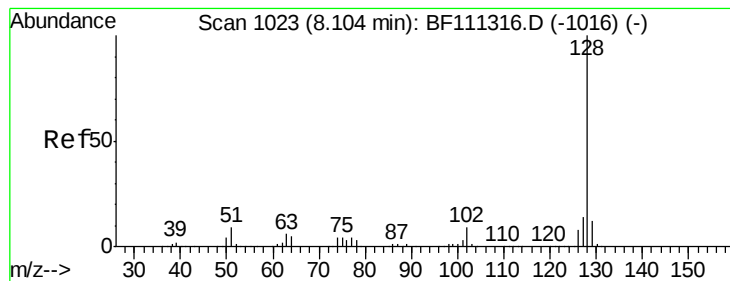
#25
Isophorone
Concen: 54.006 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF111365.D
Acq: 13 Dec 2018 12:39

Tgt Ion: 82 Resp: 1381312
Ion Ratio Lower Upper
82 100
95 0.1 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





#31

Naphthalene

Concen: 3.637 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

Instrument :

BNA_F

ClientSampleId :

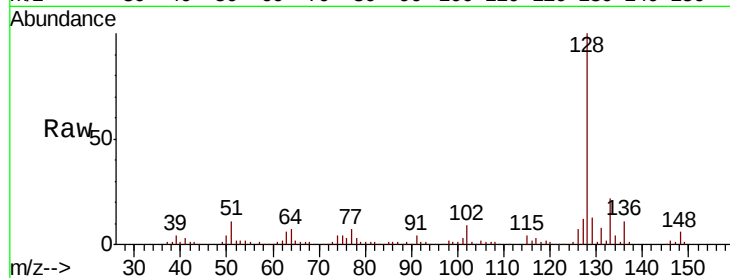
Tot Ion:128 Resp: 143813

Ion Ratio Lower Upper

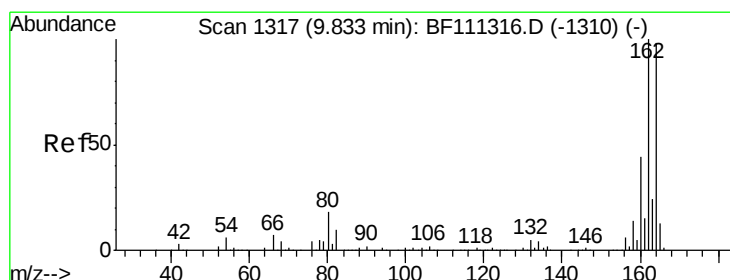
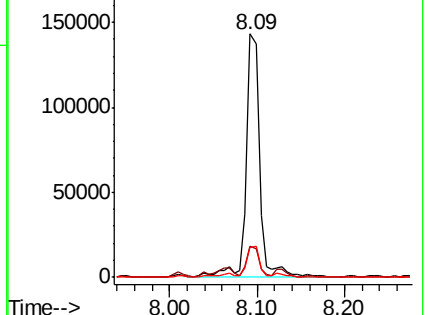
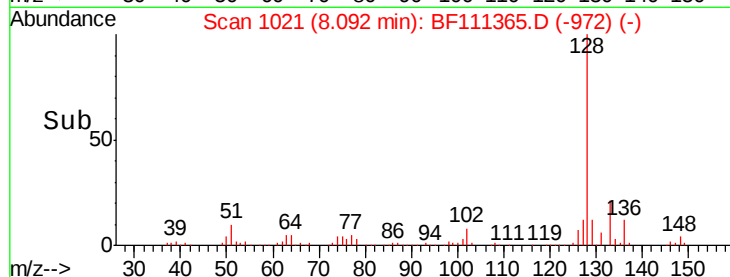
128 100

129 12.6 9.8 14.8

127 12.0 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

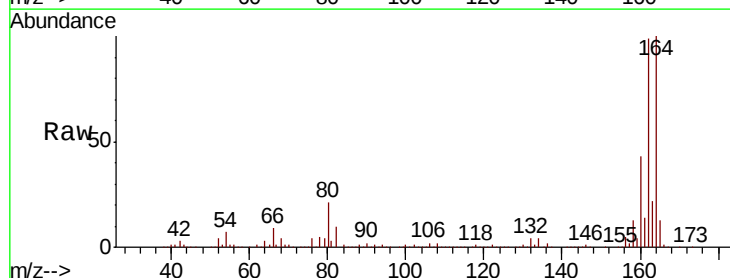
Tgt Ion:164 Resp: 430299

Ion Ratio Lower Upper

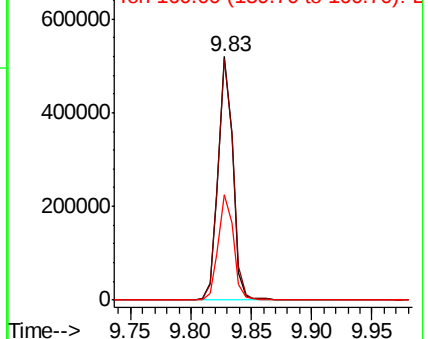
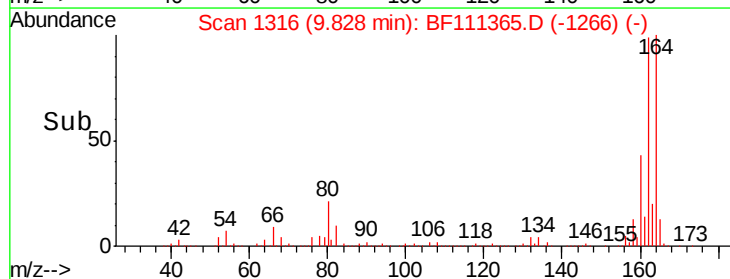
164 100

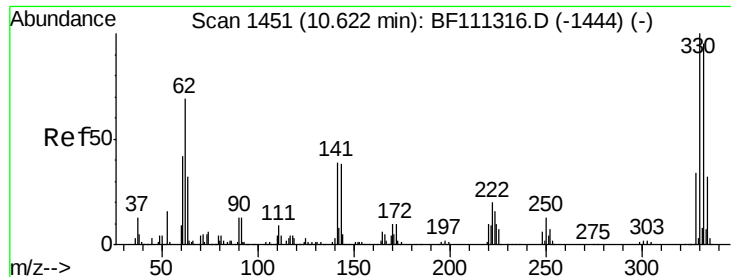
162 99.1 81.4 122.0

160 43.1 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

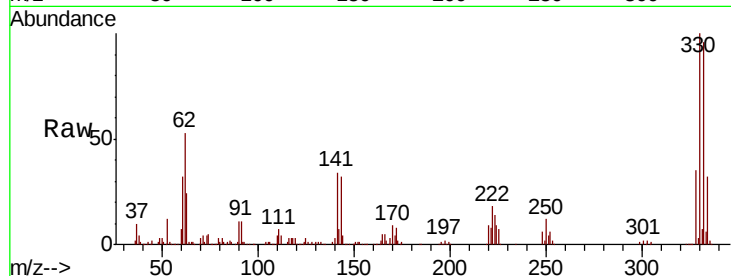




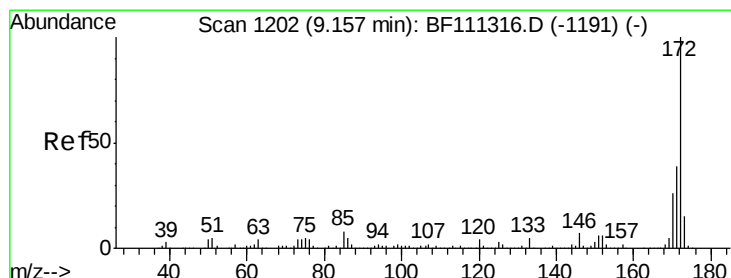
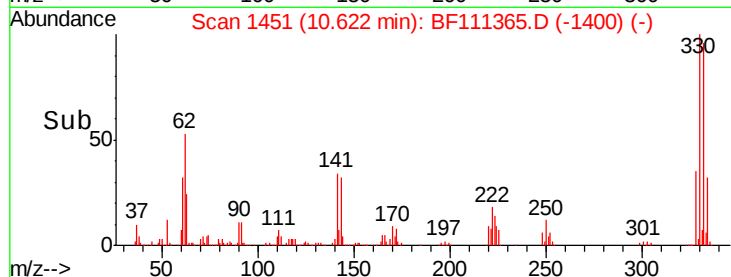
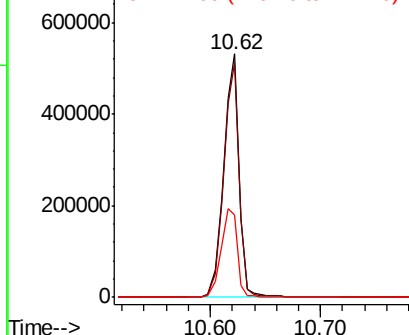
#42
 2,4,6-Tribromophenol
 Concen: 136.894 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF111365.D
 Acq: 13 Dec 2018 12:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.0	114.0
141	39.0	31.0	46.6

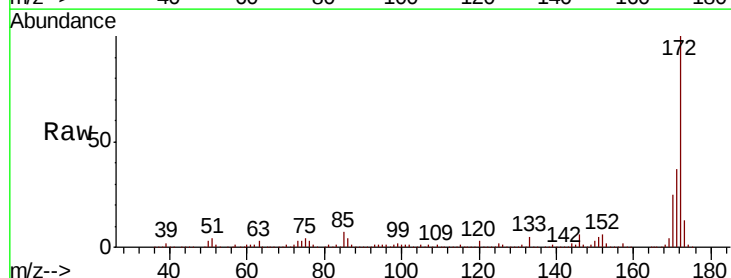


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

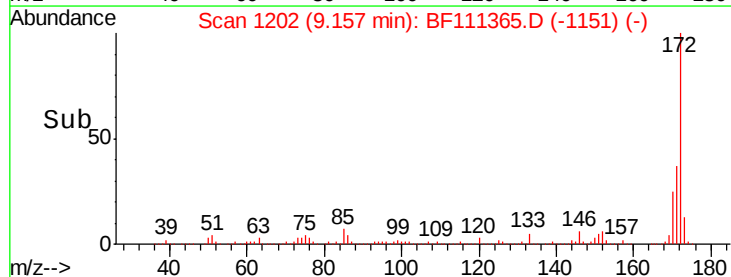
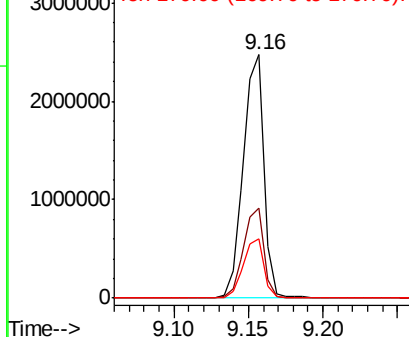


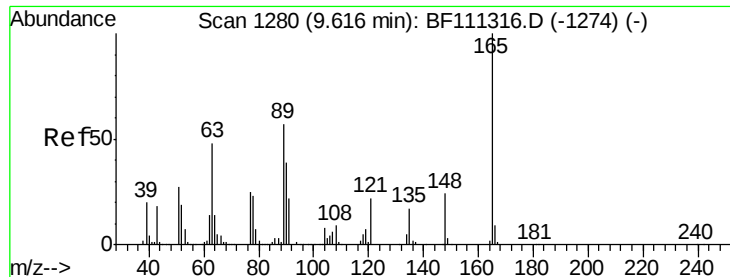
#45
 2-Fluorobiphenyl
 Concen: 89.136 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF111365.D
 Acq: 13 Dec 2018 12:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	33.0	49.4
170	24.5	22.3	33.5



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





#51

2,6-Dinitrotoluene

Concen: 8.208 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

Instrument :

BNA_F

ClientSampleId :

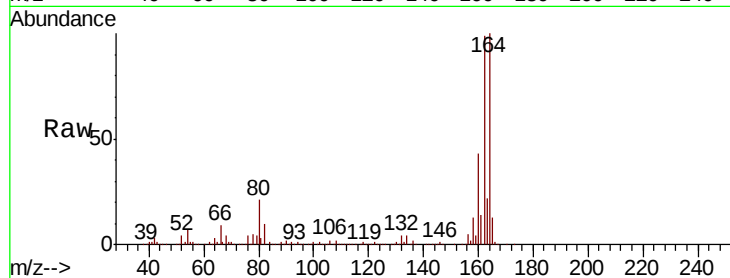
Tot Ion:165 Resp: 56297

Ion Ratio Lower Upper

165 100

63 1.2 40.5 60.7#

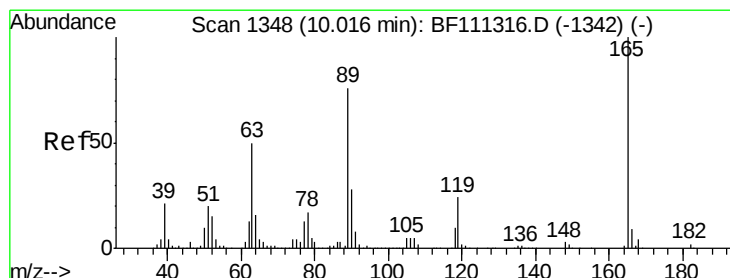
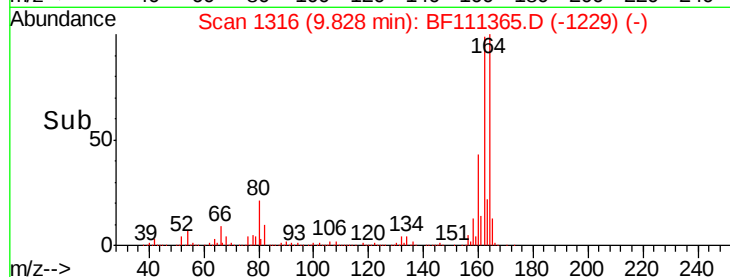
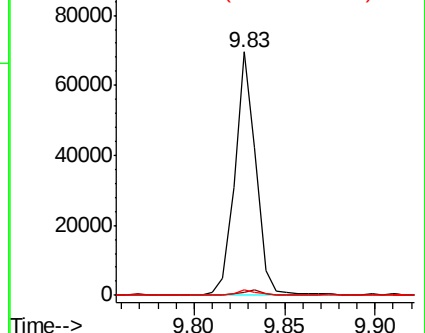
89 2.3 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 6.404 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

Tgt Ion:165 Resp: 56298

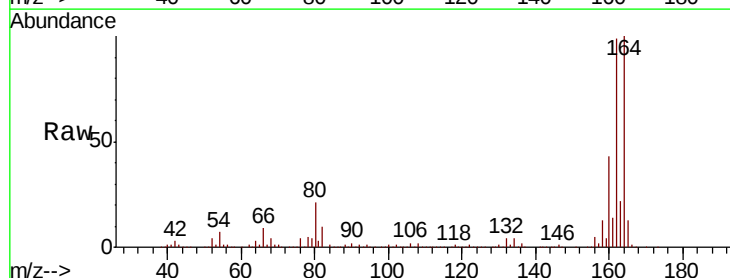
Ion Ratio Lower Upper

165 100

63 1.2 34.6 52.0#

89 2.3 56.2 84.4#

182 0.0 1.8 2.6#

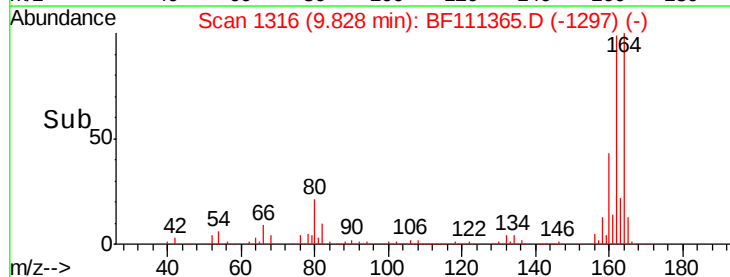
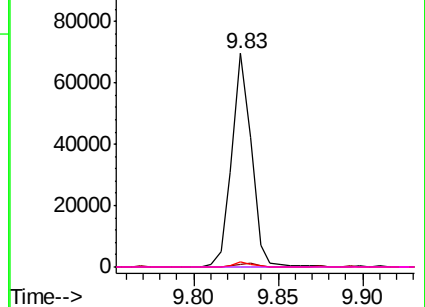


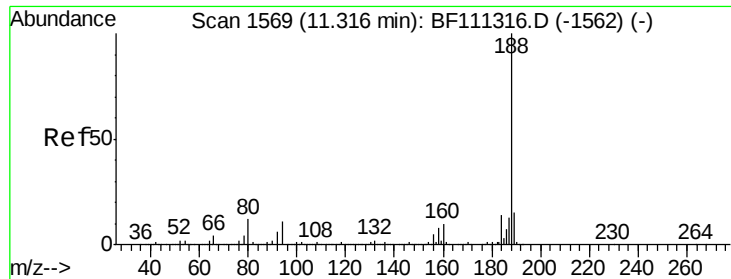
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

Instrument :

BNA_F

ClientSampleId :

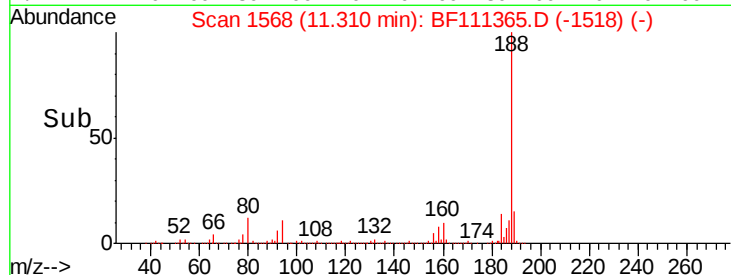
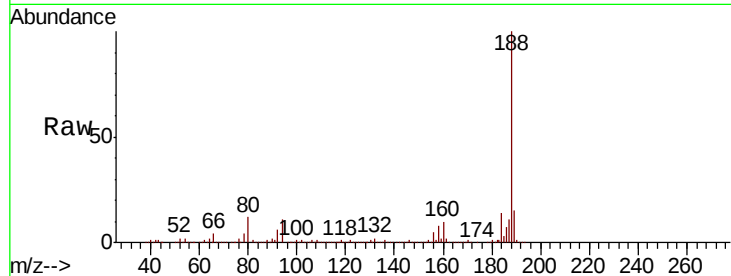
Tot Ion:188 Resp: 836036

Ion Ratio Lower Upper

188 100

94 11.3 9.6 14.4

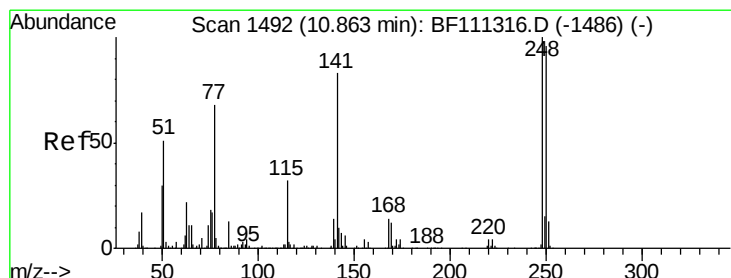
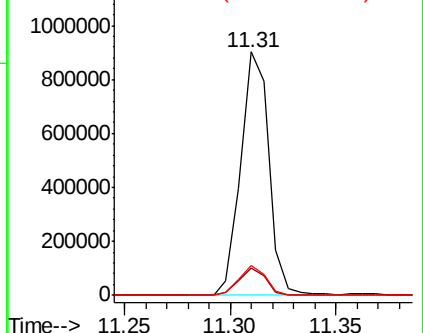
80 12.4 9.8 14.6



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



#67

4-Bromophenyl-phenylether

Concen: 3.601 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.24 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

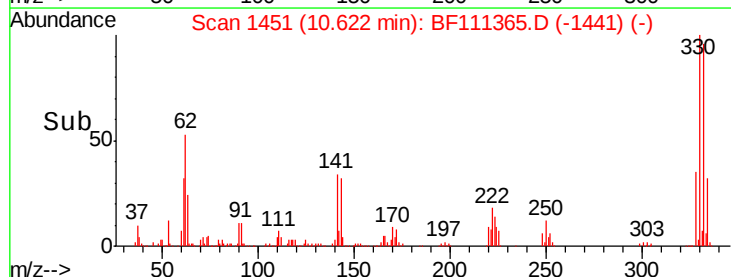
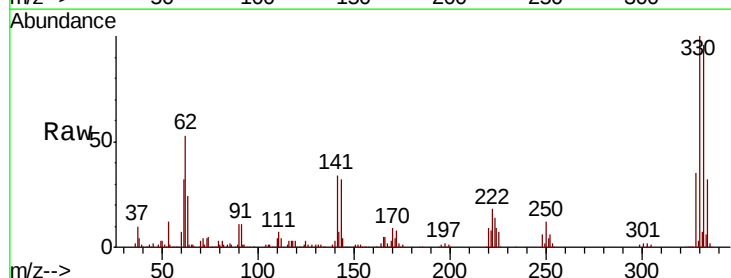
Tgt Ion:248 Resp: 33515

Ion Ratio Lower Upper

248 100

250 193.5 77.0 115.4#

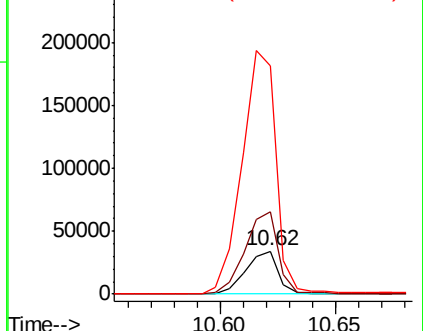
141 534.2 63.0 94.6#

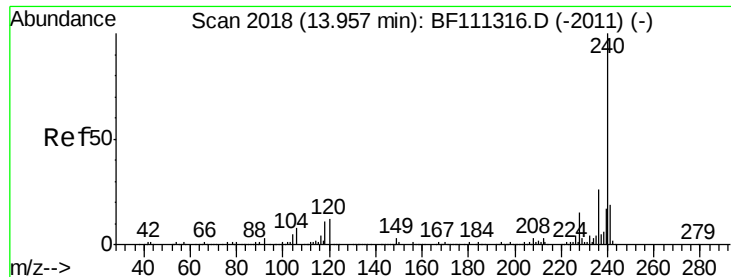


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

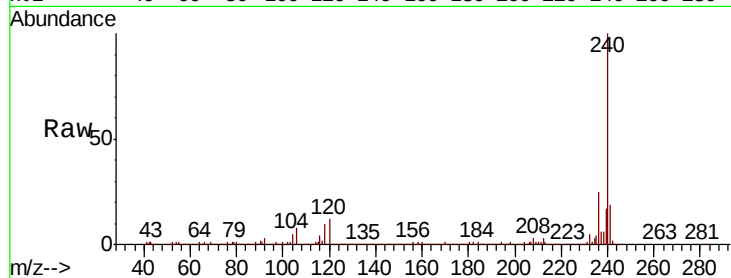




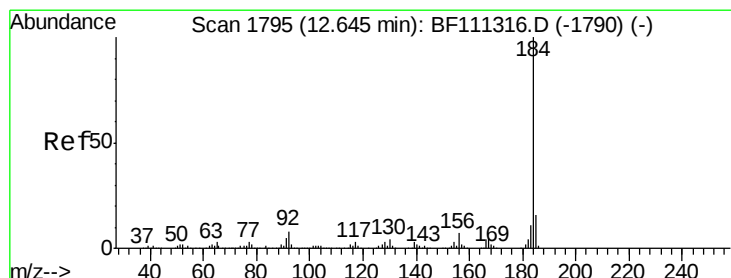
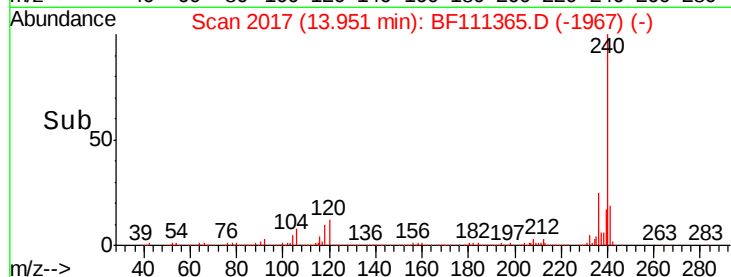
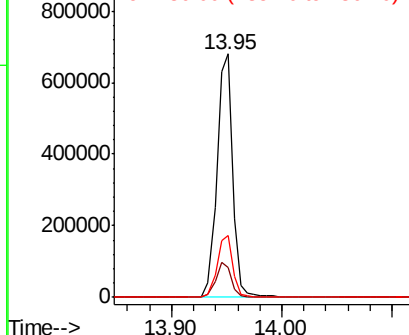
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111365.D
Acq: 13 Dec 2018 12:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 672452
Ion Ratio Lower Upper
240 100
120 12.1 12.2 18.2#
236 25.4 20.2 30.2

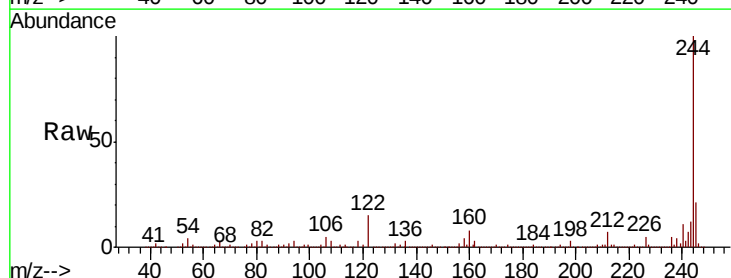


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

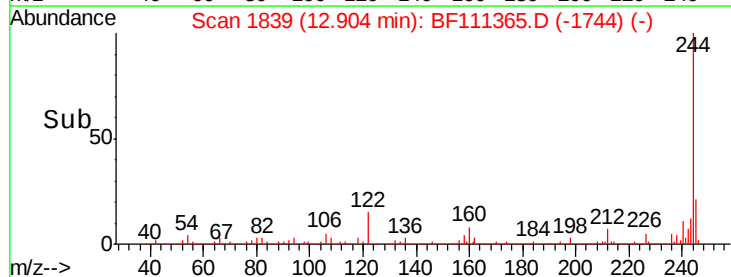
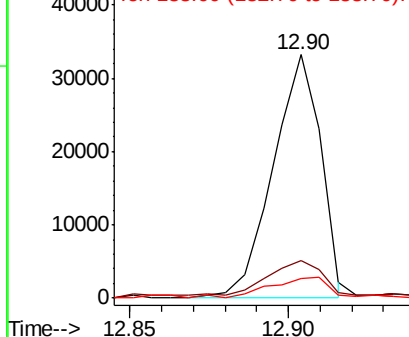


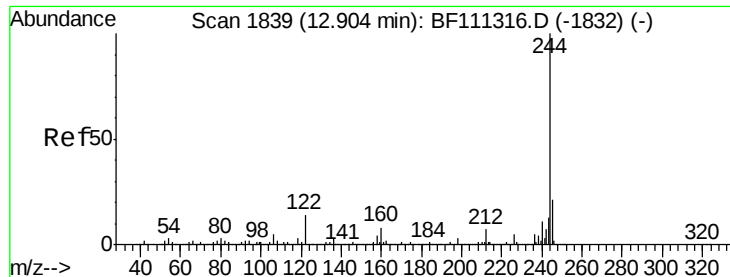
#77
Benzidine
Concen: 2.748 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.26 min
Lab File: BF111365.D
Acq: 13 Dec 2018 12:39

Tgt Ion:184 Resp: 34877
Ion Ratio Lower Upper
184 100
185 15.4 13.0 19.6
183 8.0 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 88.893 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

Instrument :

BNA_F

ClientSampleId :

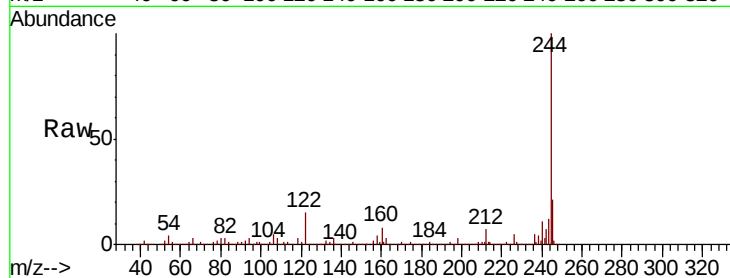
Tot Ion:244 Resp: 2715937

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

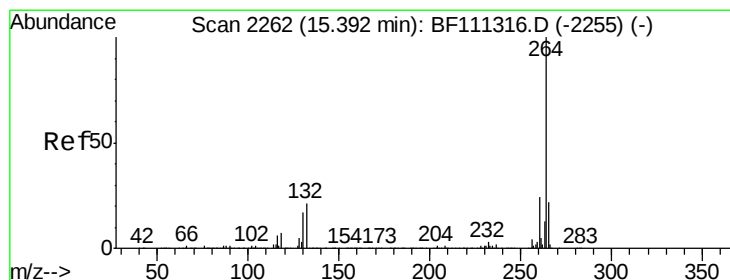
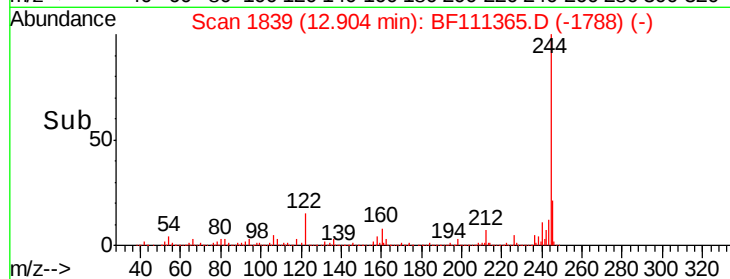
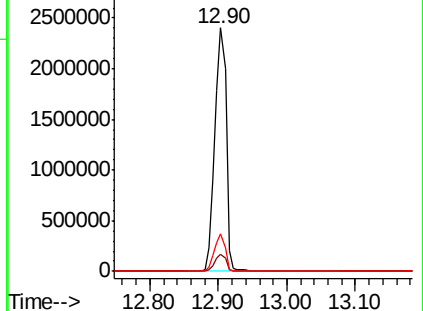
122 15.2 13.1 19.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF111365.D

Acq: 13 Dec 2018 12:39

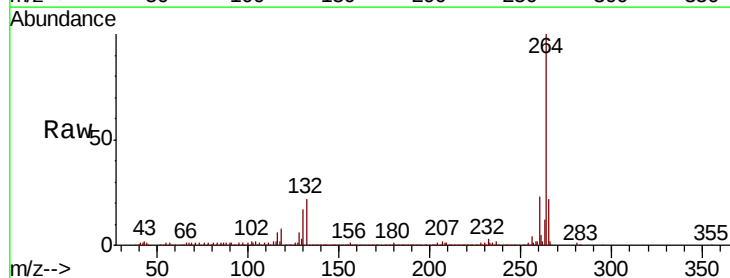
Tgt Ion:264 Resp: 504472

Ion Ratio Lower Upper

264 100

260 22.7 18.3 27.5

265 21.6 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

