

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111405.D
 Acq On : 14 Dec 2018 8:28
 Operator : JU/SJ
 Sample : J6326-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 09:42:49 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

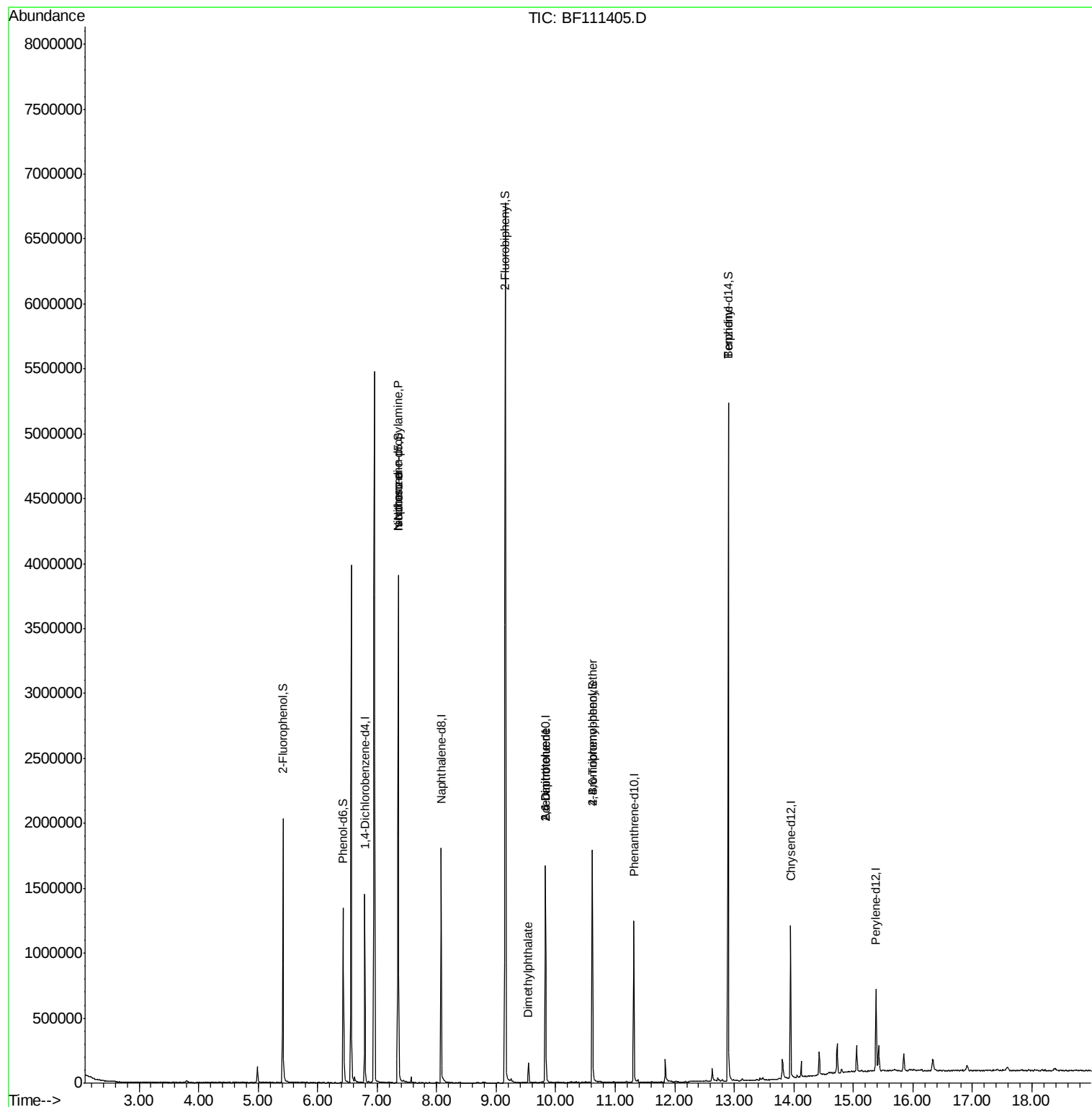
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	201579	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	784887	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	309965	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	453441	20.00	ng	0.00
76) Chrysene-d12	13.95	240	390234	20.00	ng	-0.01
87) Perylene-d12	15.38	264	287113	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	539535	45.26	ng	0.00
7) Phenol-d6	6.43	99	402039	25.01	ng	0.00
23) Nitrobenzene-d5	7.36	82	1310908	94.14	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	207269	75.86	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2161297	111.95	ng	0.00
79) Terphenyl-d14	12.90	244	1732403	97.71	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	766	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	173958	16.288 ng	#	1
25) Isophorone	7.36	82	1289645	54.520 ng	#	77
50) Dimethylphthalate	9.55	163	69728	3.128 ng	#	64
51) 2,6-Dinitrotoluene	9.83	165	39228	7.940 ng	#	98
57) 2,4-Dinitrotoluene	9.83	165	39228	6.195 ng	#	30
67) 4-Bromophenyl-phenylether	10.62	248	13184	2.612 ng	#	25
77) Benzidine	12.90	184	19859	2.697 ng	#	1
					#	95

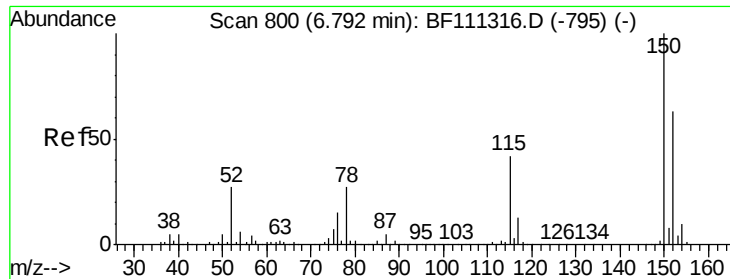
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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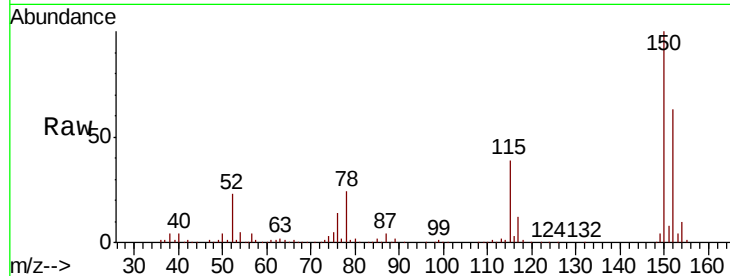


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	189.8
115	61.5	50.7	76.1

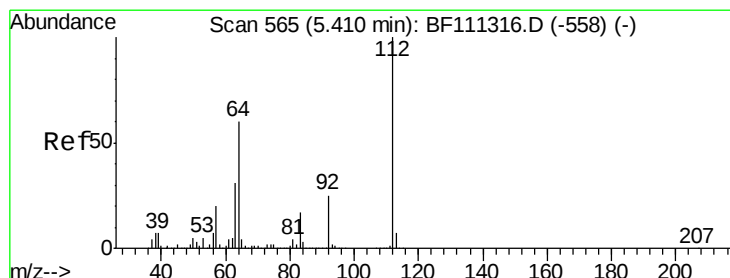
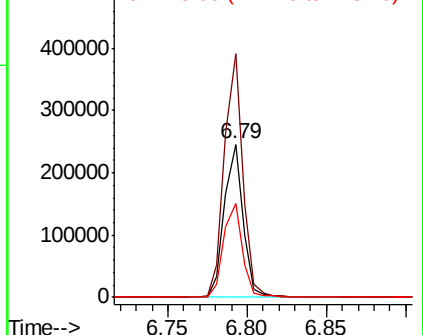
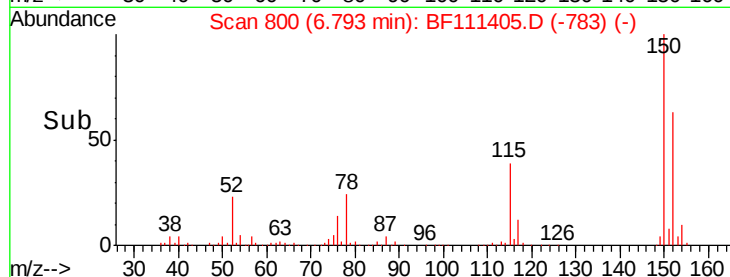


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

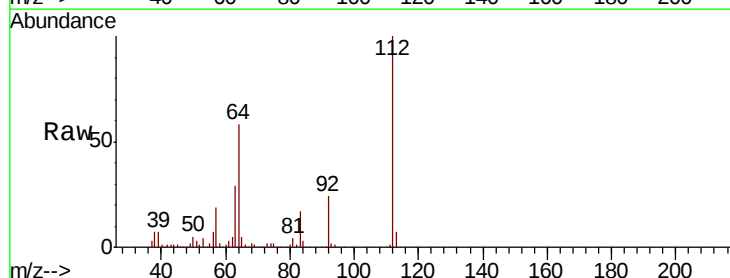
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.261 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	51.8	77.6
63	29.3	26.8	40.2

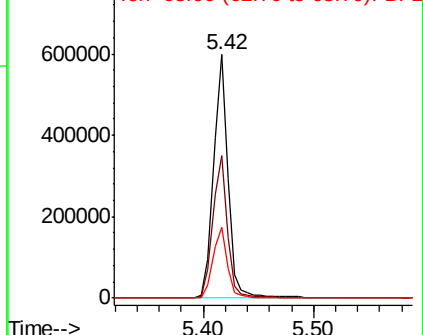
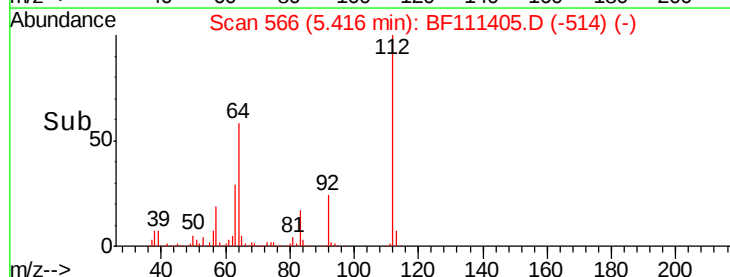


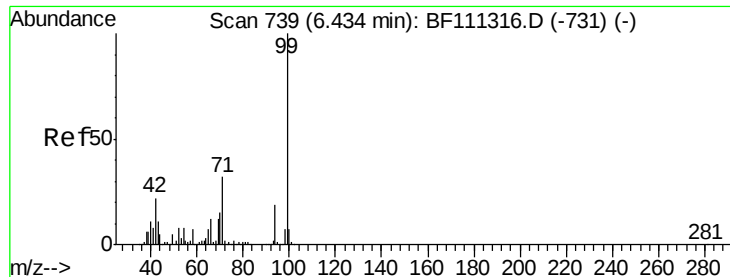
Abundance

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: 25.015 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111405.D

Acq: 14 Dec 2018 8:28

Instrument :

BNA_F

ClientSampleId :

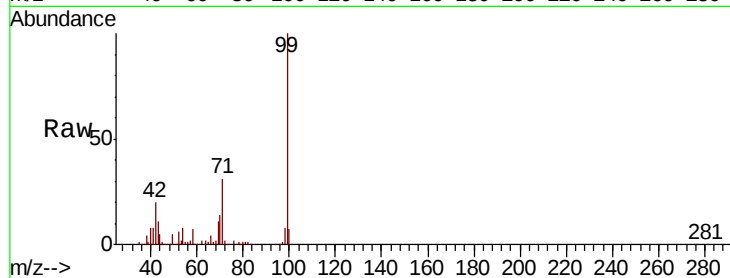
Tot Ion: 99 Resp: 402039

Ion Ratio Lower Upper

99 100

42 19.9 17.4 26.0

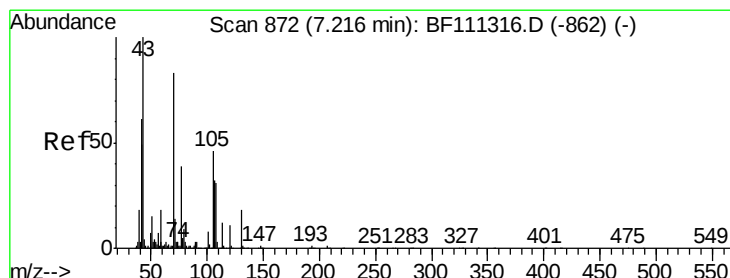
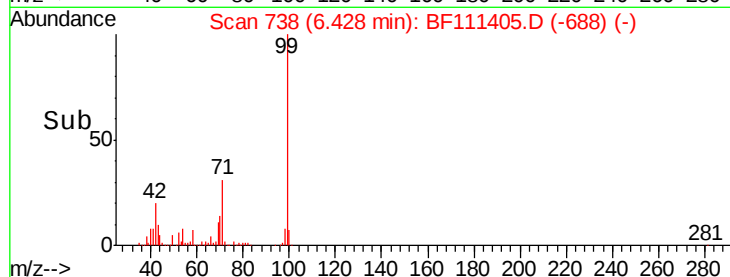
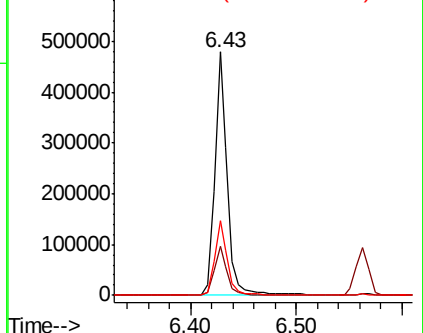
71 30.7 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.288 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF111405.D

Acq: 14 Dec 2018 8:28

Tgt Ion: 70 Resp: 173958

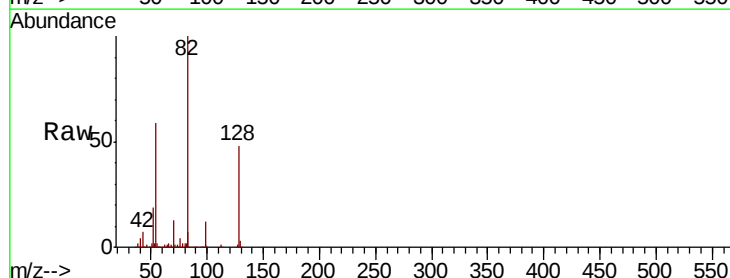
Ion Ratio Lower Upper

70 100

42 53.7 53.2 79.8

101 0.0 8.2 12.4#

130 2.3 18.1 27.1#

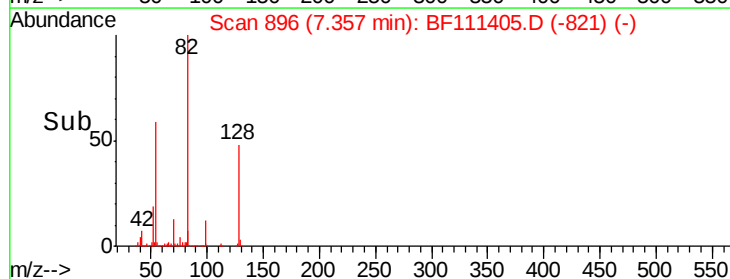
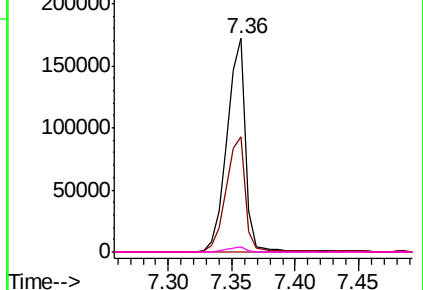


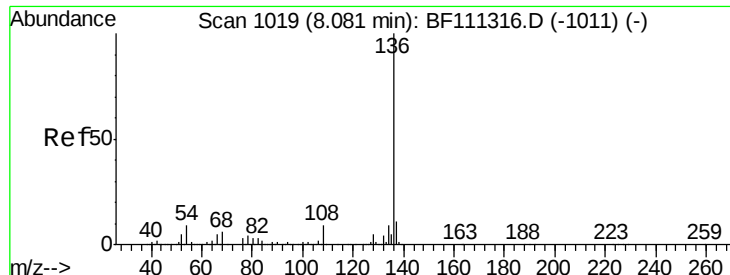
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

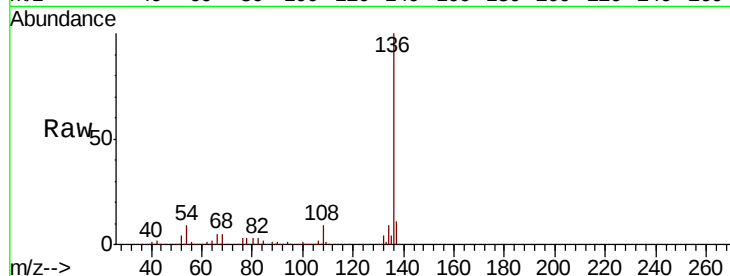




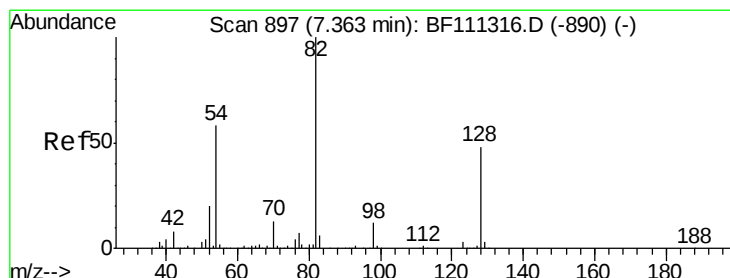
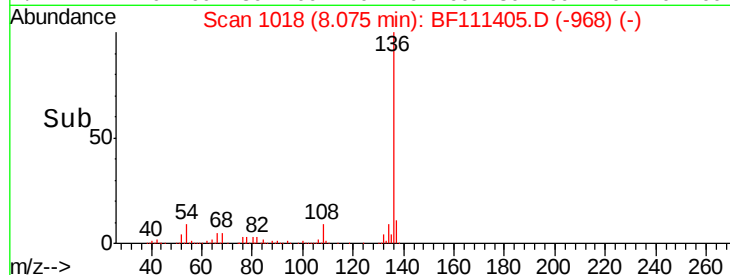
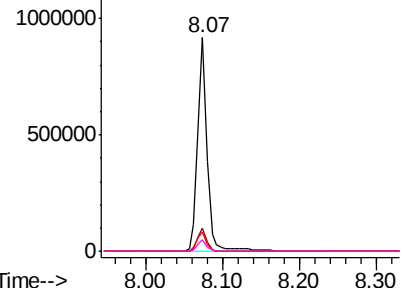
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 784887
Ion Ratio	Lower Upper
136 100	
137 10.8	9.1 13.7
54 8.9	7.7 11.5
68 5.2	4.9 7.3

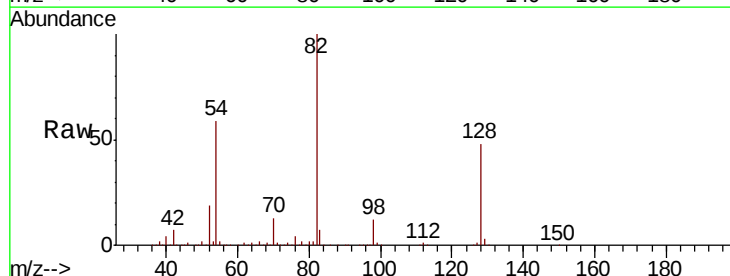


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

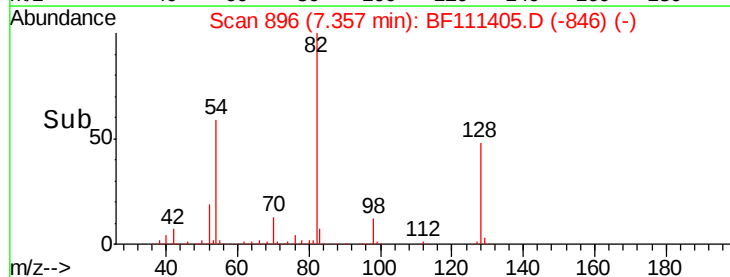
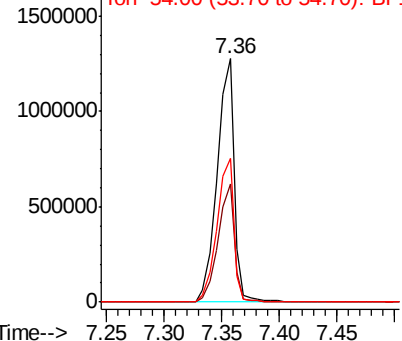


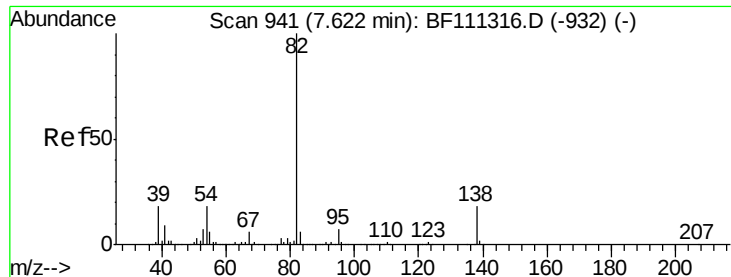
#23
Nitrobenzene-d5
Concen: 94.137 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Tgt Ion: 82	Resp: 1310908
Ion Ratio	Lower Upper
82 100	
128 48.4	37.4 56.2
54 59.0	47.6 71.4



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: 54.520 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF111405.D

Acq: 14 Dec 2018 8:28

Instrument :

BNA_F

ClientSampleId :

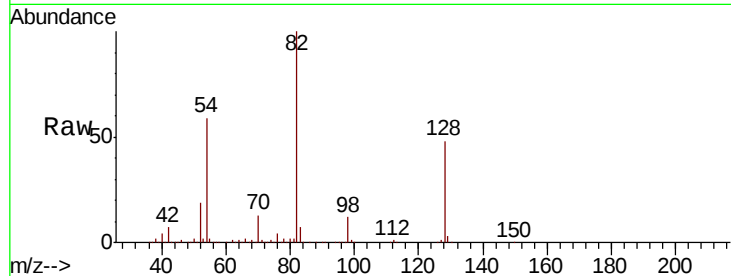
Tot Ion: 82 Resp: 1289645

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

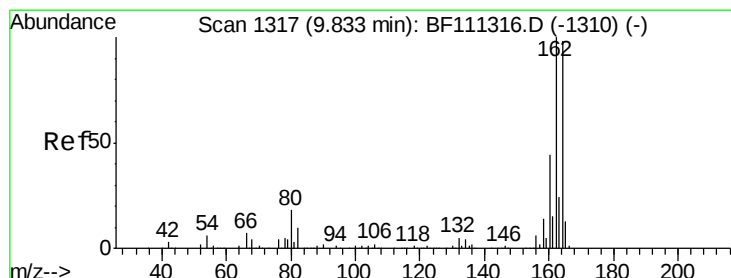
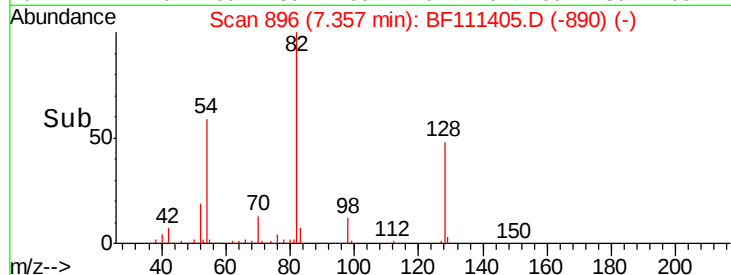
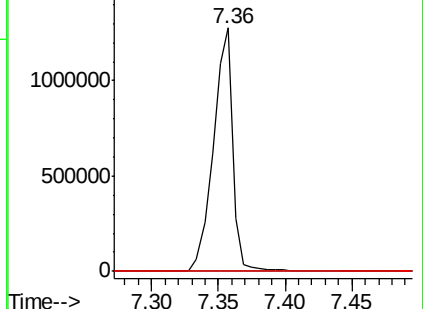
138 0.0 15.1 22.7#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111405.D

Acq: 14 Dec 2018 8:28

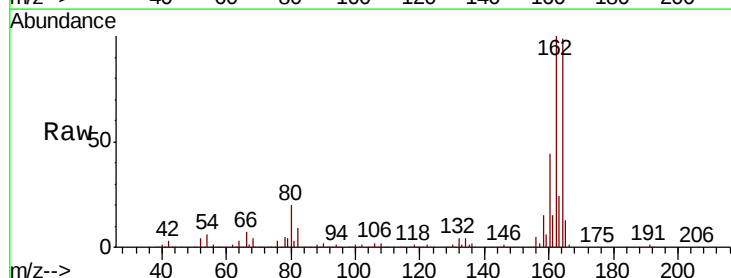
Tgt Ion:164 Resp: 309965

Ion Ratio Lower Upper

164 100

162 101.2 81.4 122.0

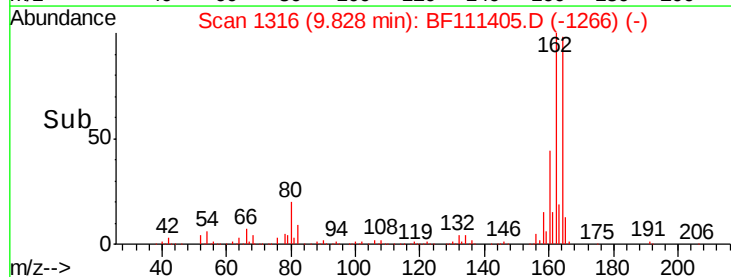
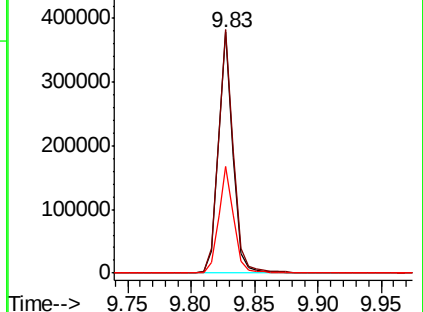
160 44.4 35.7 53.5

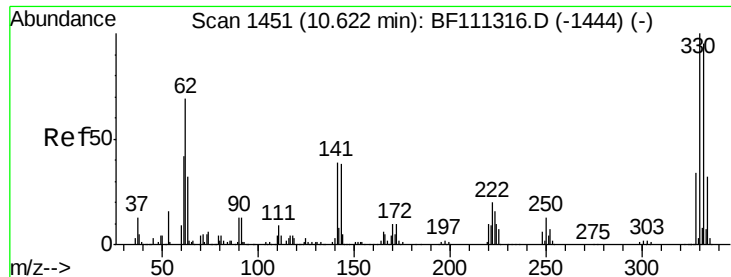


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

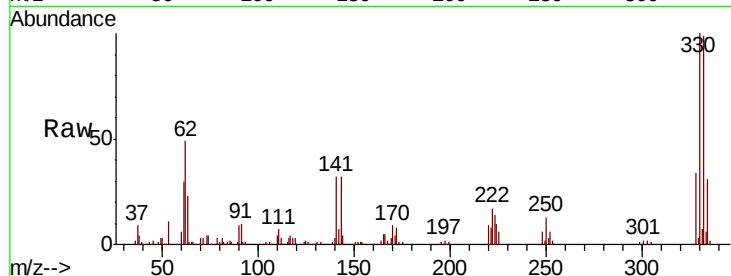




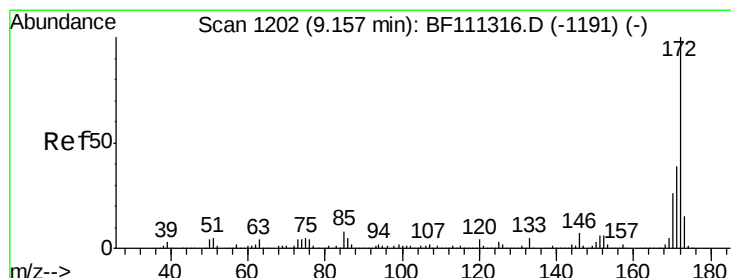
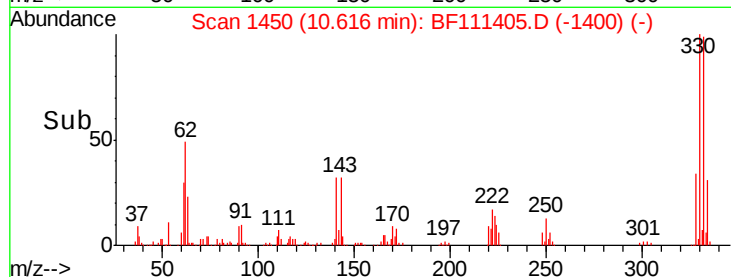
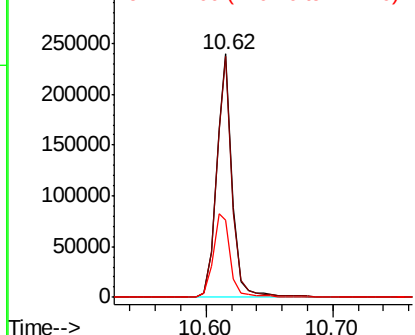
#42
 2,4,6-Tribromophenol
 Concen: 75.857 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111405.D
 Acq: 14 Dec 2018 8:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.0	114.0
141	38.5	31.0	46.6

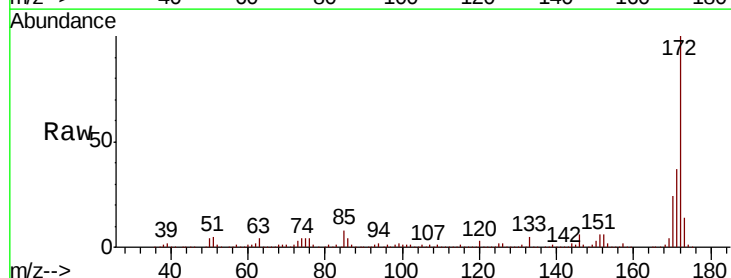


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

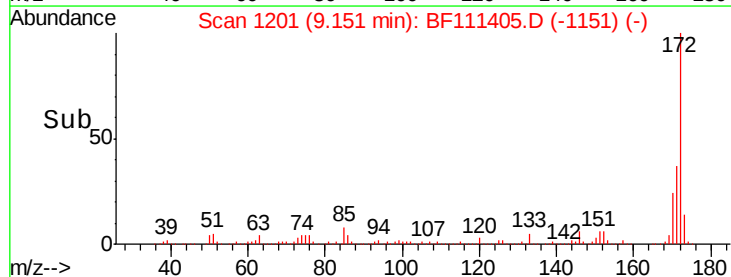
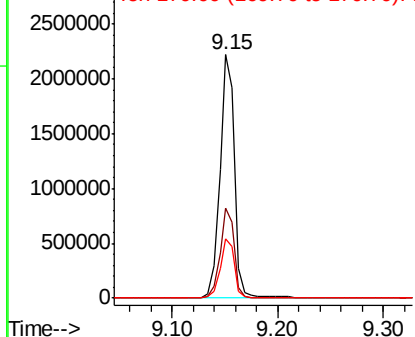


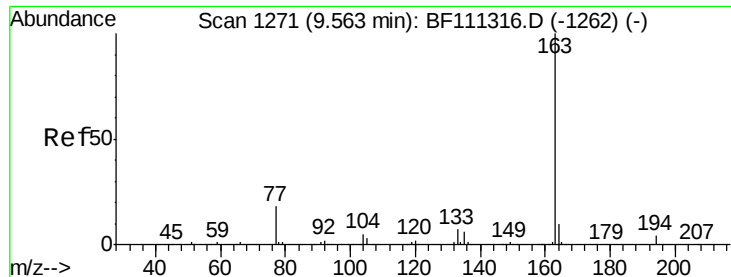
#45
 2-Fluorobiphenyl
 Concen: 111.946 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111405.D
 Acq: 14 Dec 2018 8:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	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

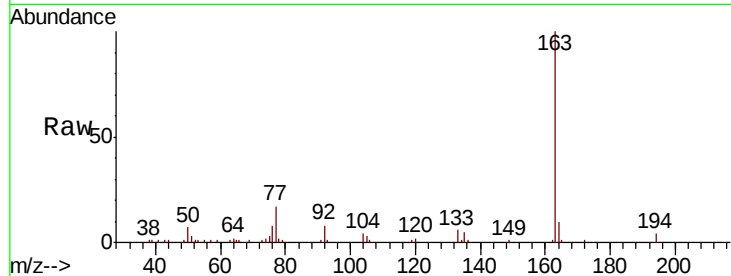




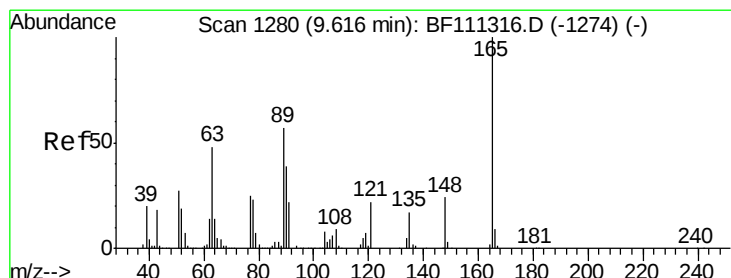
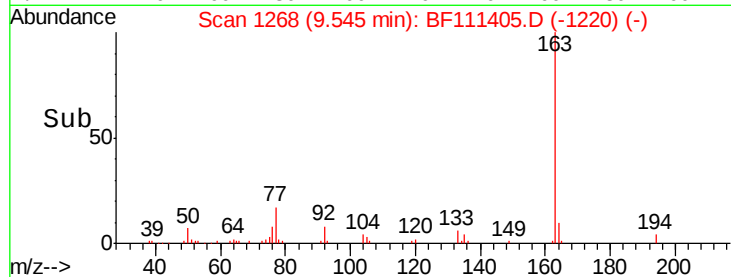
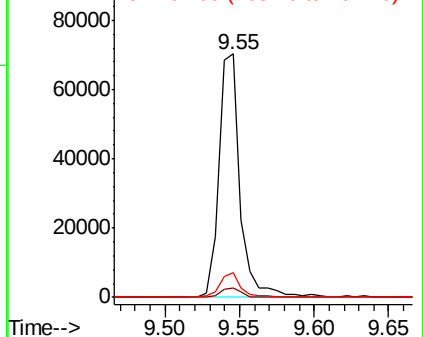
#50
Dimethylphthalate
Concen: 3.128 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.9	8.9	13.3

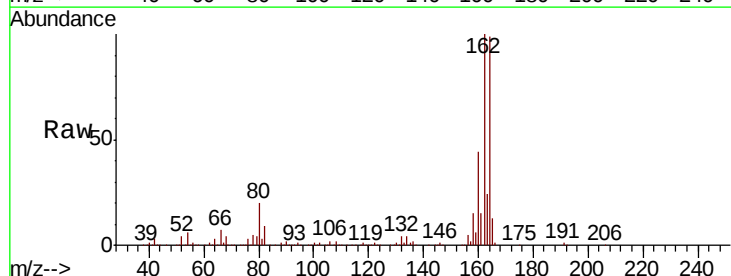


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

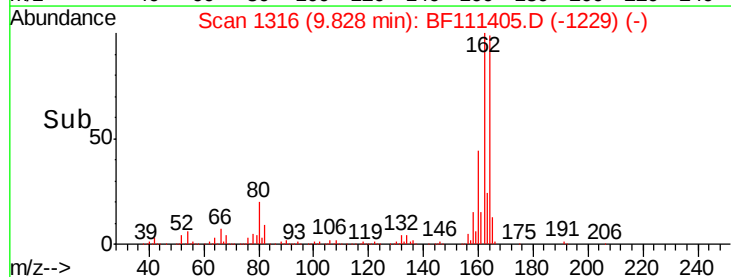
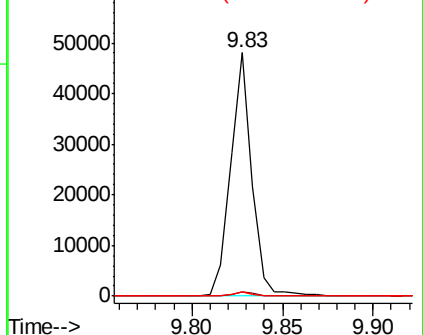


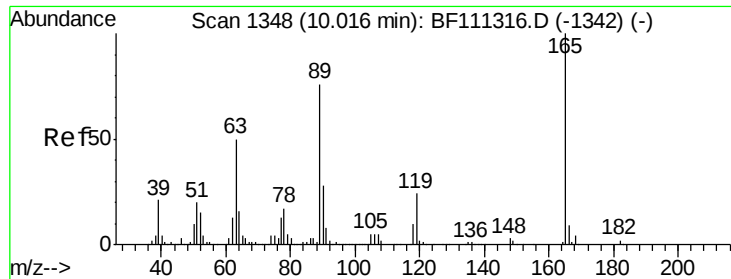
#51
2,6-Dinitrotoluene
Concen: 7.940 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.21 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.5	60.7#
89	1.6	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

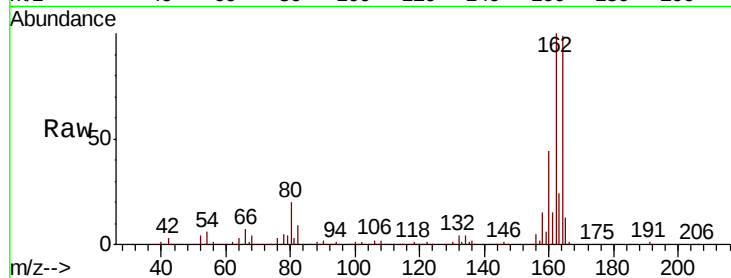




#57
2,4-Dinitrotoluene
Concen: 6.195 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.6	52.0#
89	1.6	56.2	84.4#
182	0.0	1.8	2.6#

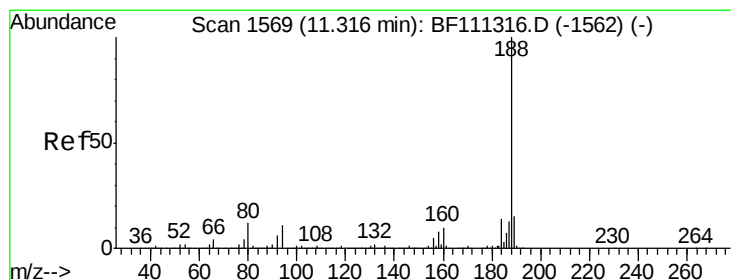
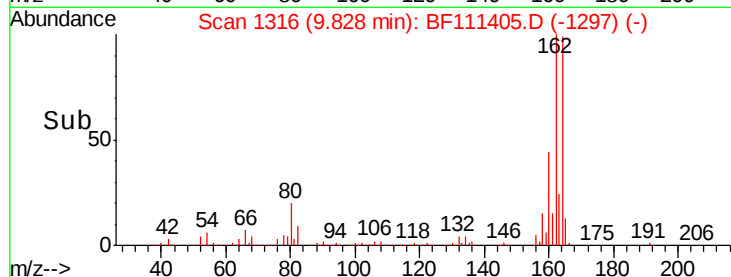
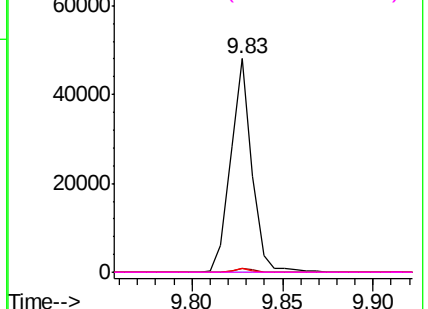


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

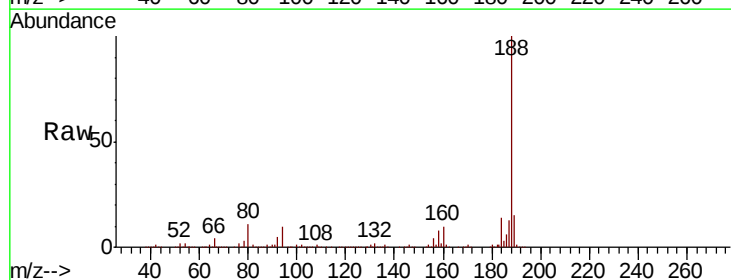
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

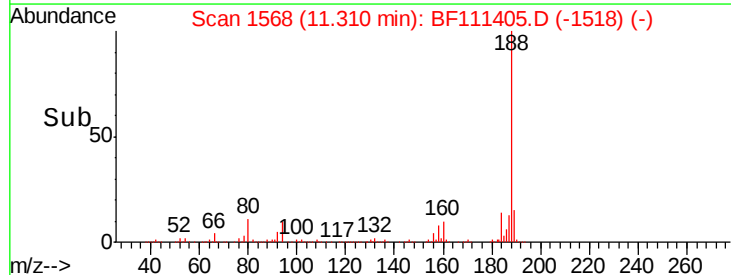
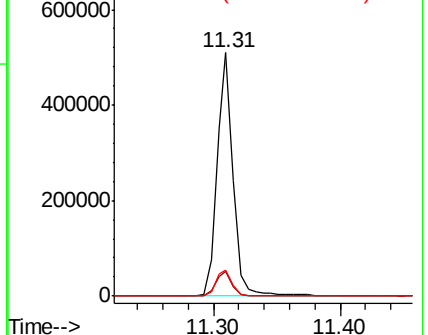
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.6	14.4
80	10.7	9.8	14.6

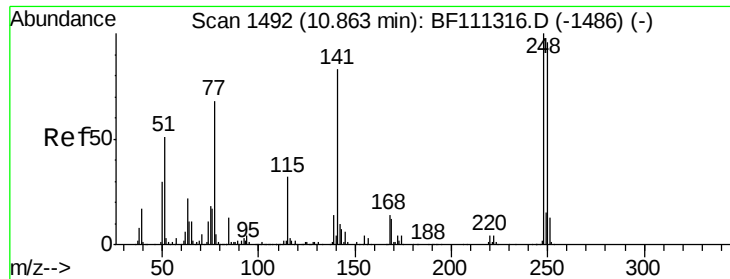


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

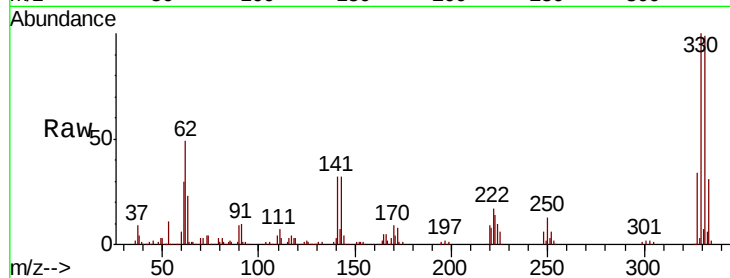




#67
4-Bromophenyl-phenylether
Concen: 2.612 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	212.6	77.0	115.4#
141	510.3	63.0	94.6#

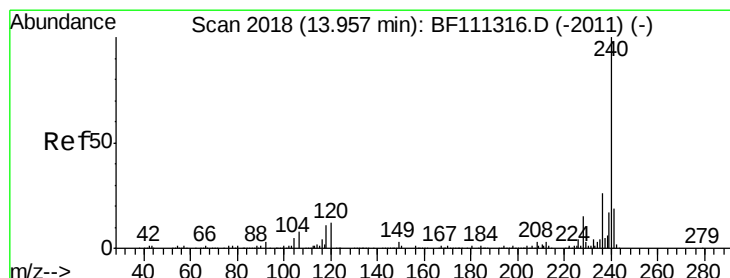
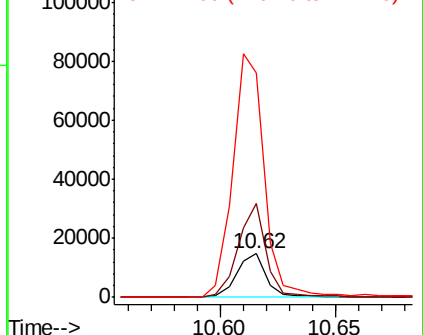
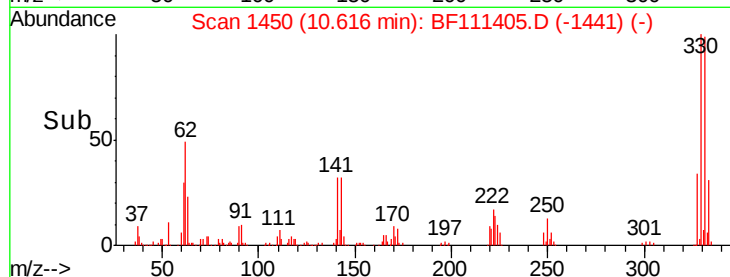


Abundance

Ion 248.00 (247.70 to 248.70): E

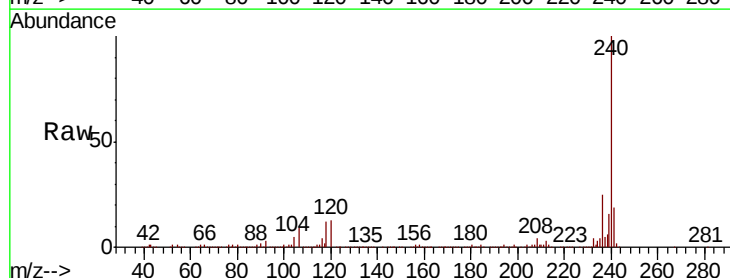
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	12.2	18.2
236	24.9	20.2	30.2

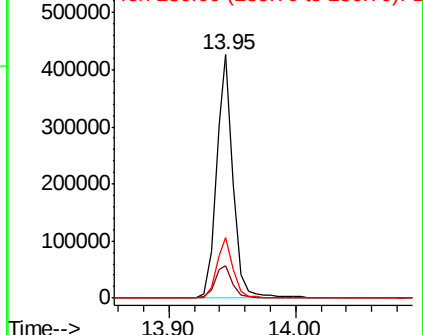
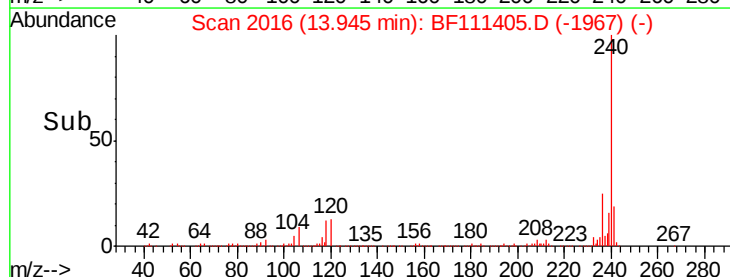


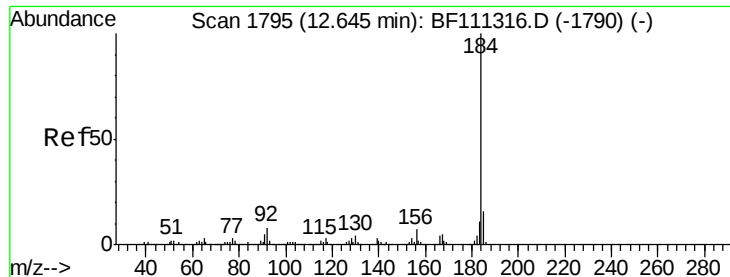
Abundance

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: 2.697 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF111405.D

Acq: 14 Dec 2018 8:28

Instrument :

BNA_F

ClientSampled :

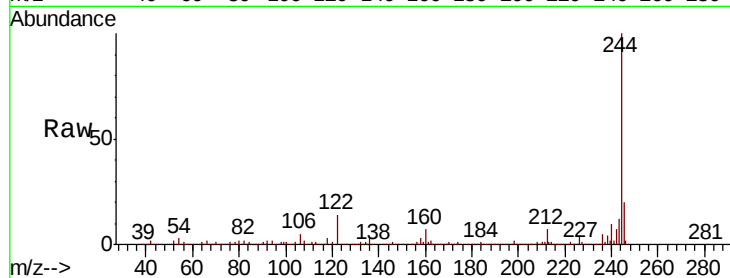
Tot Ion:184 Resp: 19859

Ion Ratio Lower Upper

184 100

185 17.5 13.0 19.6

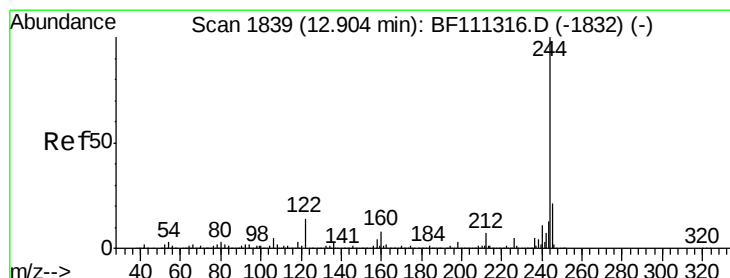
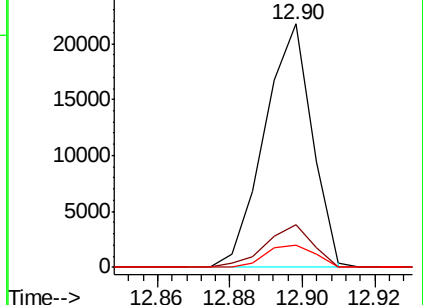
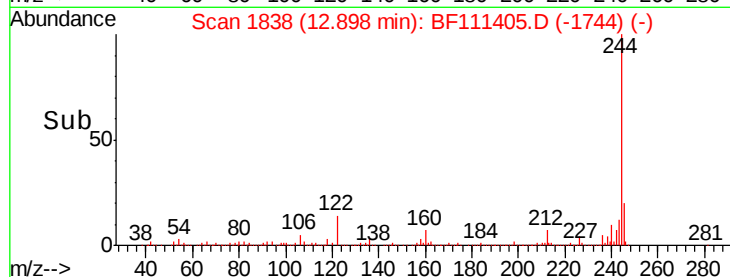
183 9.0 9.3 13.9#



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: 97.708 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111405.D

Acq: 14 Dec 2018 8:28

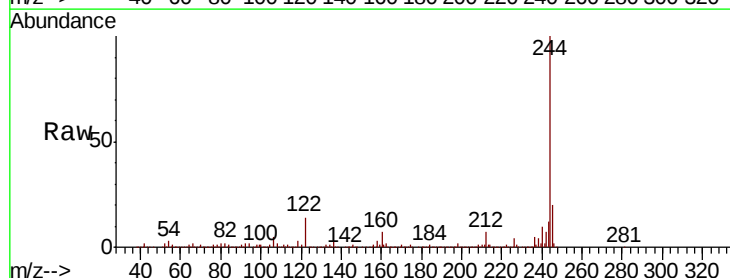
Tgt Ion:244 Resp: 1732403

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

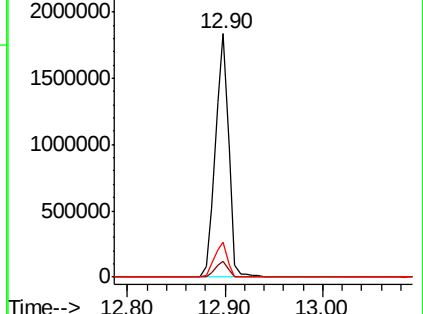
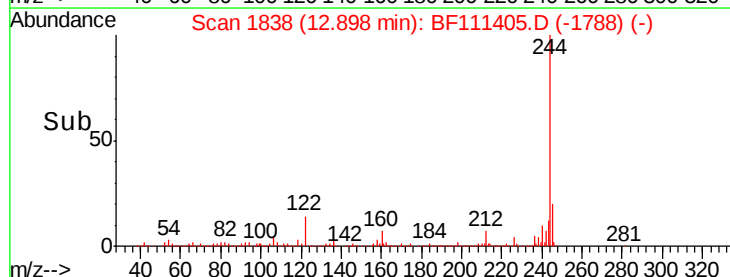
122 14.5 13.1 19.7

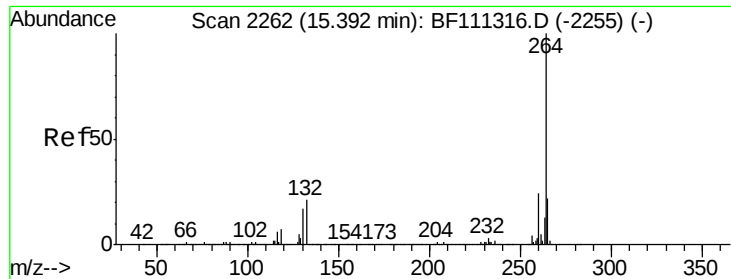


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF111405.D
Acq: 14 Dec 2018 8:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.3	27.5
265	20.7	17.7	26.5

