

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111166.D
 Acq On : 7 Dec 2018 4:06
 Operator : JU/SJ
 Sample : J6199-03 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 07:33:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

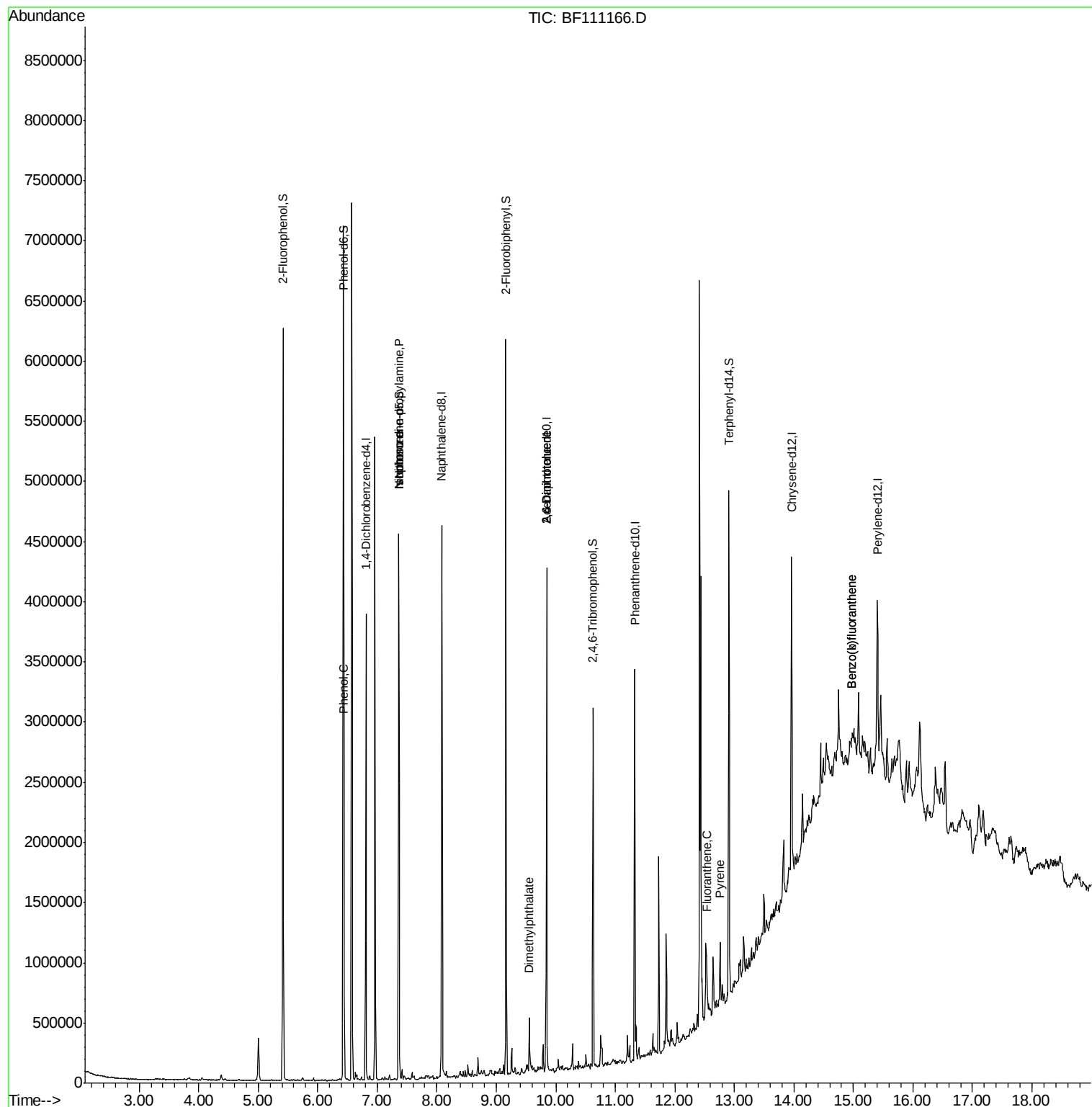
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	525237	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1919067	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	756348	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1172901	20.00	ng	0.00
76) Chrysene-d12	13.96	240	844577	20.00	ng	0.01
87) Perylene-d12	15.40	264	604989	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1702791	50.59	ng	0.00
7) Phenol-d6	6.43	99	2099832	48.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	1218252	37.58	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	295653	49.18	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1729294	33.64	ng	0.00
79) Terphenyl-d14	12.91	244	1222135	29.64	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	4866	Below Cal	Qvalue	# 1
10) Phenol	6.45	94	125005	2.644 ng		91
19) n-Nitroso-di-n-propylamine	7.36	70	164130	5.633 ng	#	76
25) Isophorone	7.36	82	1213643	20.401 ng	#	65
50) Dimethylphthalate	9.56	163	149678	2.843 ng		97
51) 2,6-Dinitrotoluene	9.85	165	100501	9.005 ng	#	26
57) 2,4-Dinitrotoluene	9.85	165	100501	6.973 ng	#	23
75) Fluoranthene	12.53	202	179085	3.244 ng		98
77) Benzidine	12.65	184	665	Below Cal	#	1
78) Pyrene	12.76	202	181470	2.758 ng		92
88) Benzo(b)fluoranthene	14.99	252	84409	2.462 ng	#	33
89) Benzo(k)fluoranthene	14.99	252	84409	2.547 ng	#	32

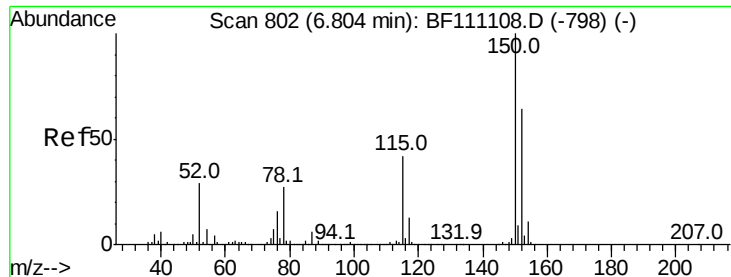
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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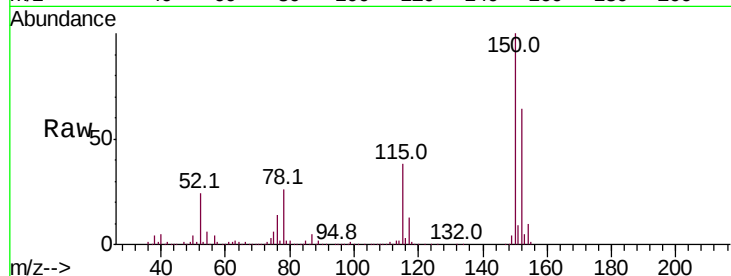


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	187.0
115	60.4	52.2	78.2

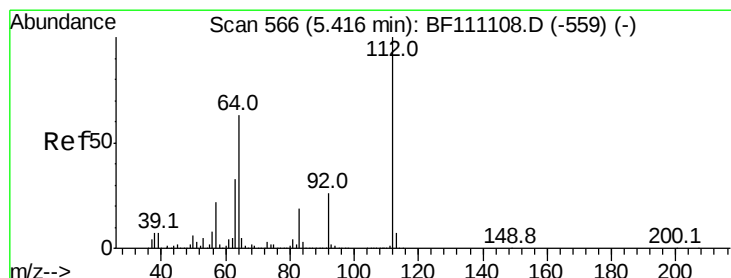
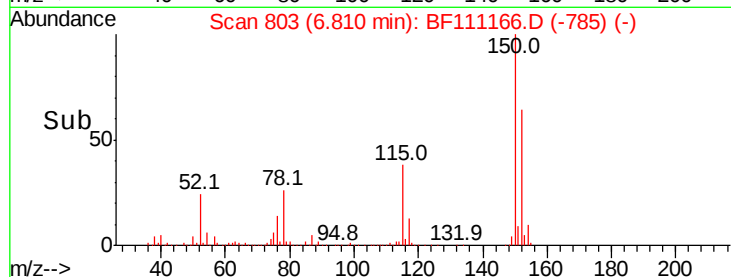
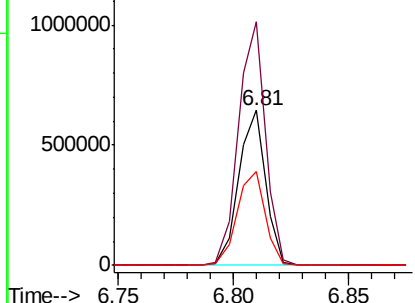


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

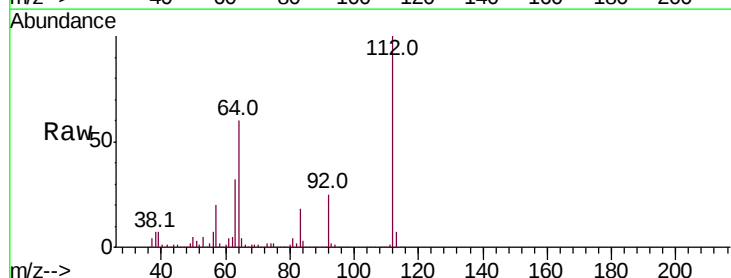
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.589 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	50.2	75.4
63	31.5	26.6	39.8

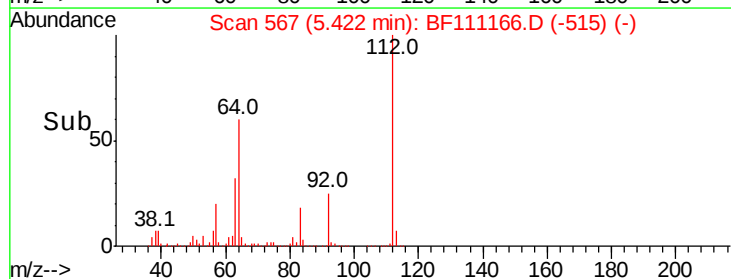
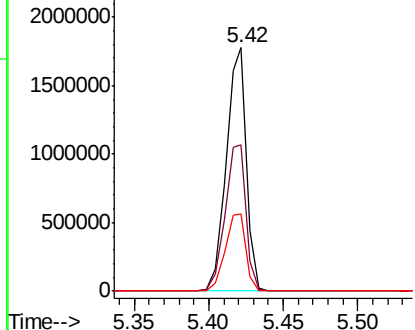


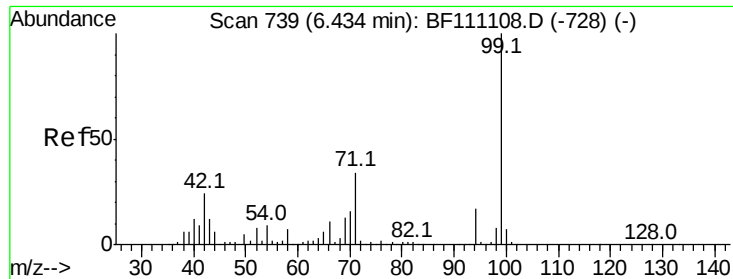
Abundance

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: 48.429 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

Instrument :

BNA_F

ClientSampled :

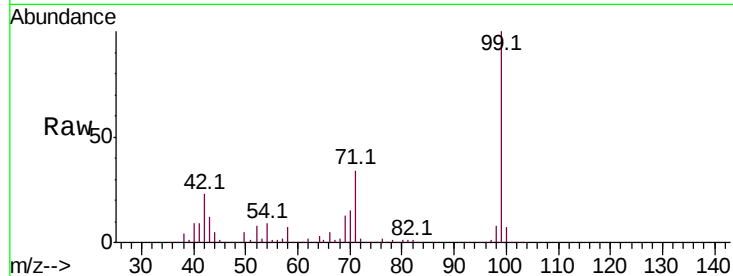
Tot Ion: 99 Resp: 2099832

Ion Ratio Lower Upper

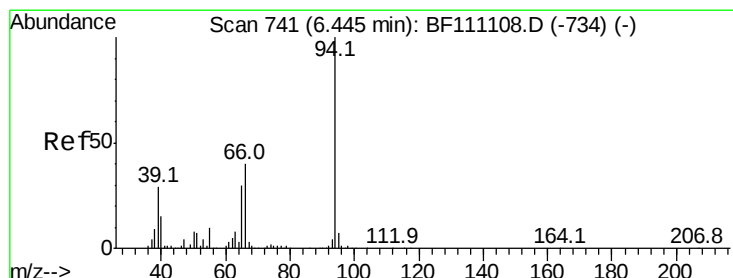
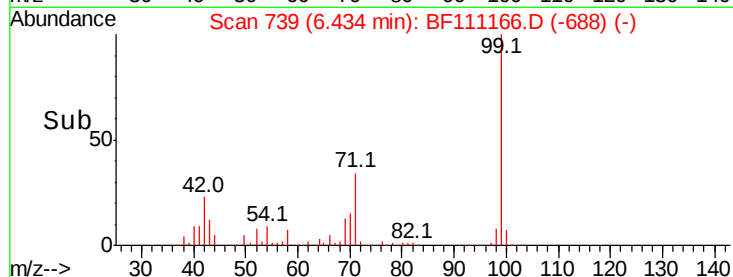
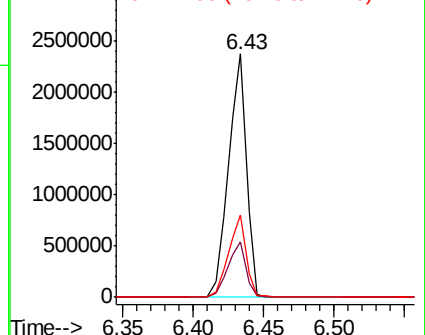
99 100

42 23.0 19.3 28.9

71 33.6 27.4 41.2



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: 2.644 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

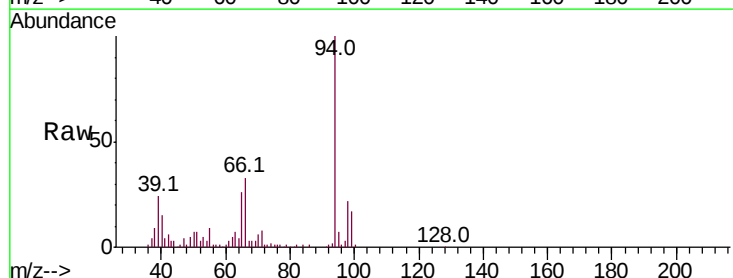
Tgt Ion: 94 Resp: 125005

Ion Ratio Lower Upper

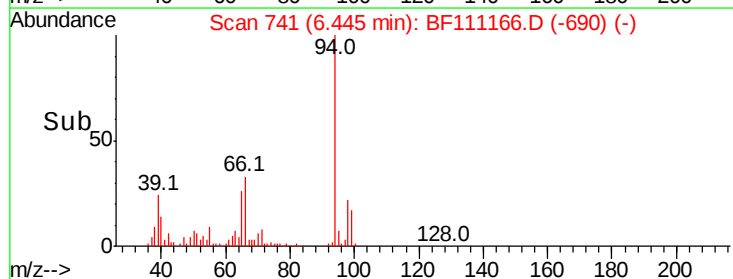
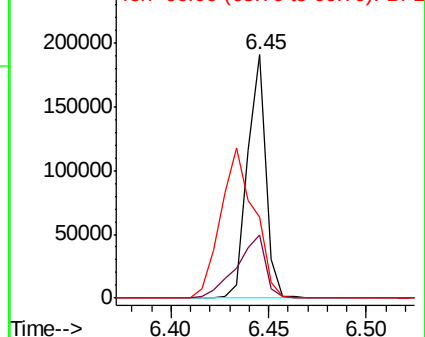
94 100

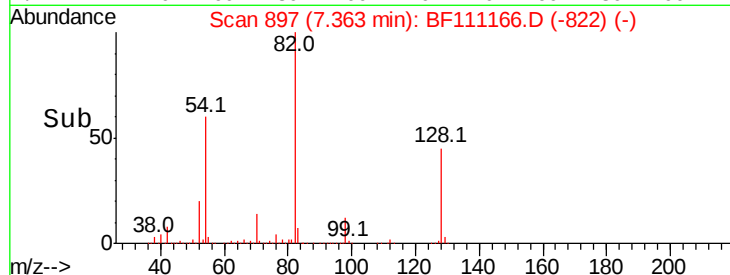
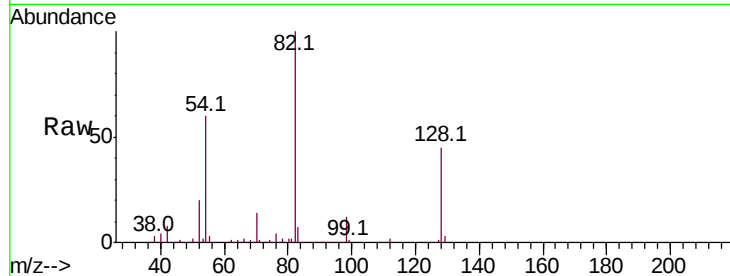
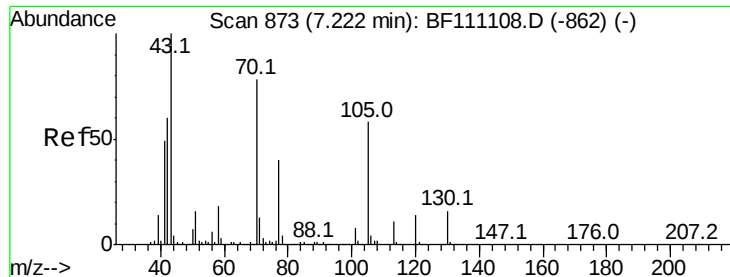
65 26.1 10.5 50.5

66 33.4 19.8 59.8



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

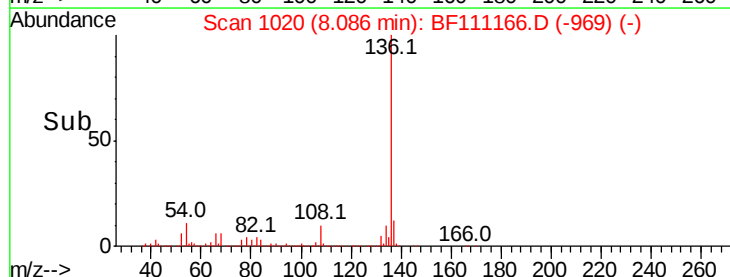
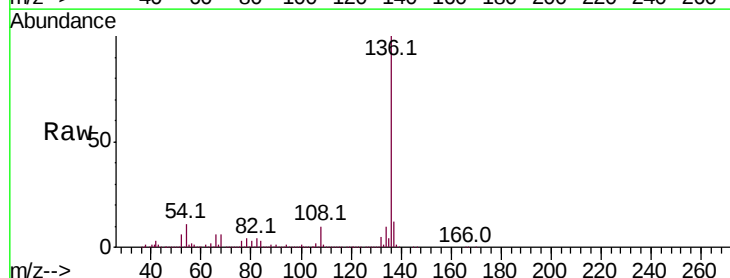
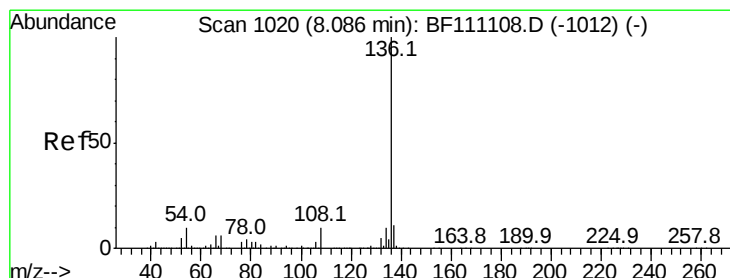
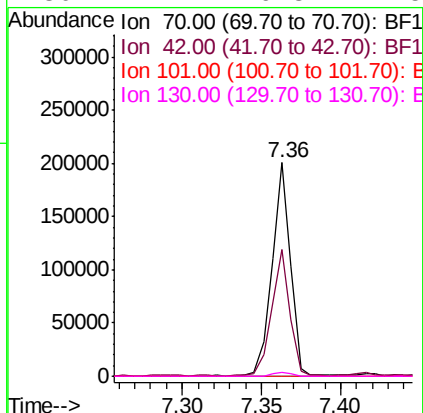




#19
n-Nitroso-di-n-propylamine
Concen: 5.633 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

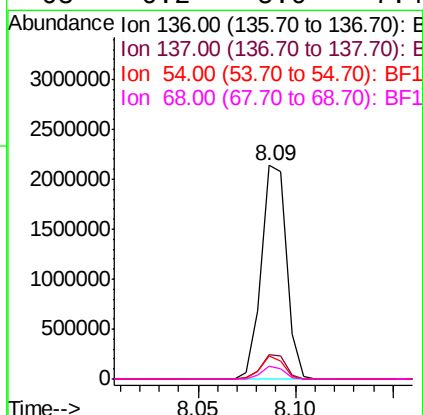
Instrument :
BNA_F
ClientSampleId :

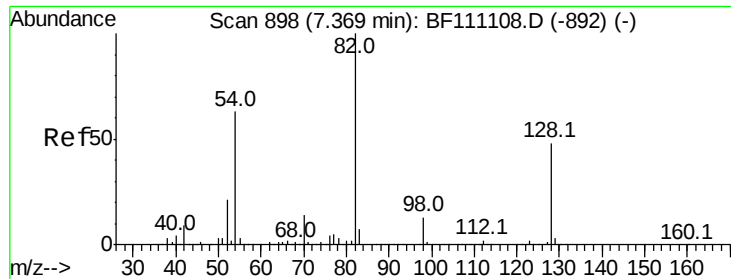
Tot Ion: 70 Resp: 164130
Ion Ratio Lower Upper
70 100
42 59.6 61.3 91.9#
101 0.0 7.7 11.5#
130 2.1 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Tgt Ion:136 Resp: 1919067
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 10.8 8.4 12.6
68 6.2 5.0 7.4

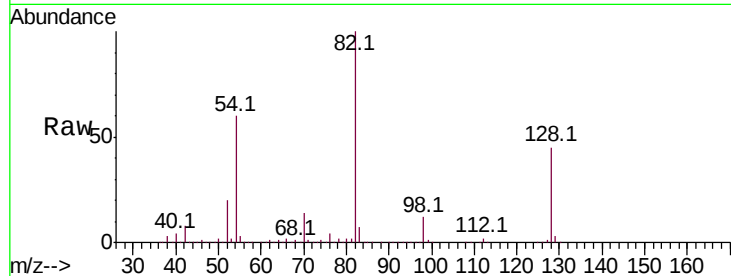




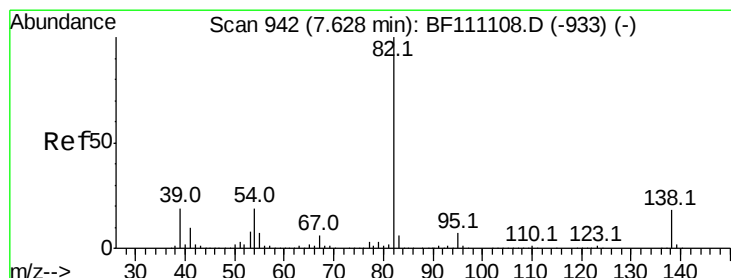
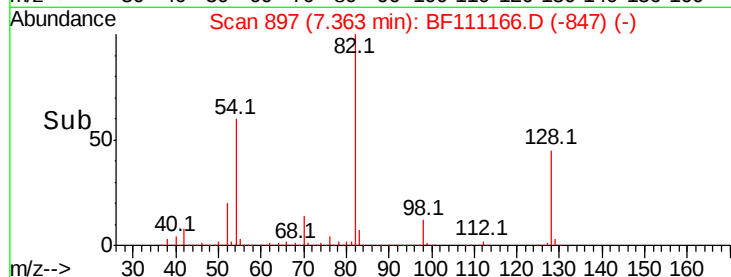
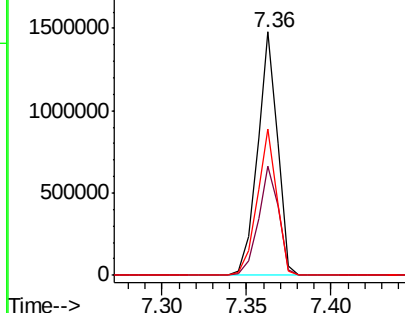
#23
Nitrobenzene-d5
Concen: 37.583 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1218252
Ion Ratio Lower Upper
82 100
128 44.8 38.1 57.1
54 60.0 50.3 75.5

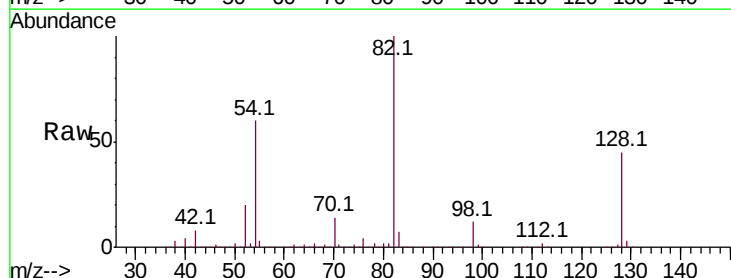


Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

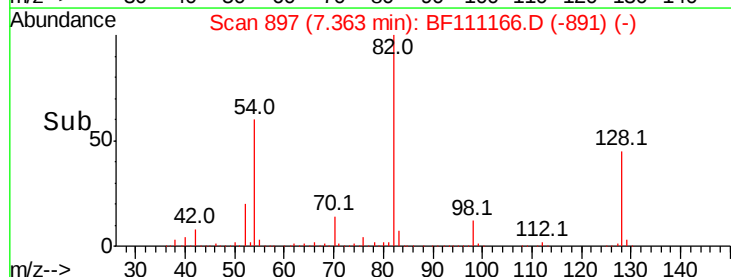
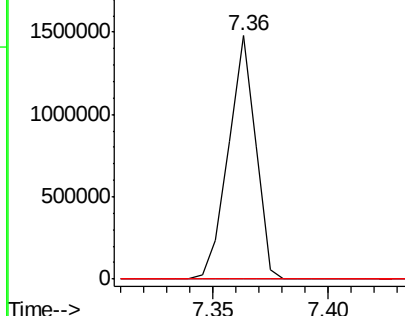


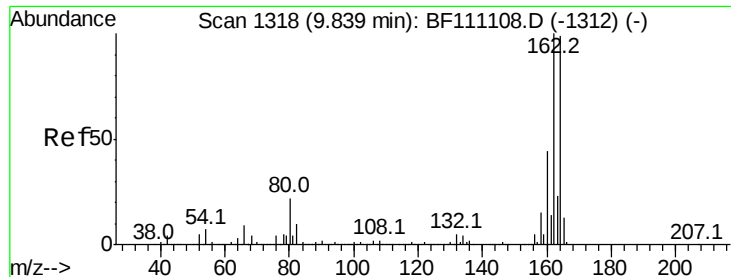
#25
Isophorone
Concen: 20.401 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Tgt Ion: 82 Resp: 1213643
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

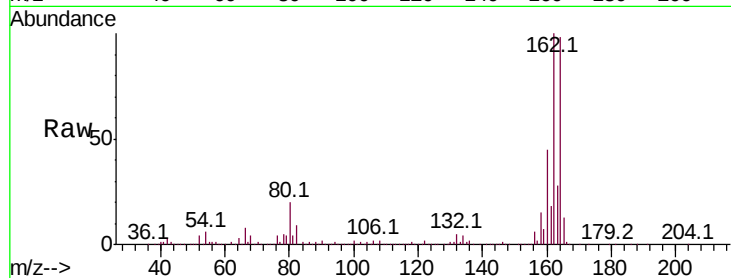




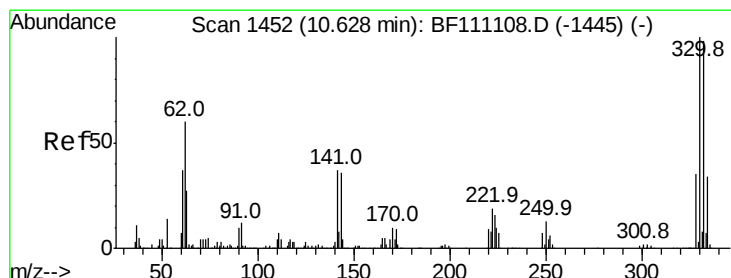
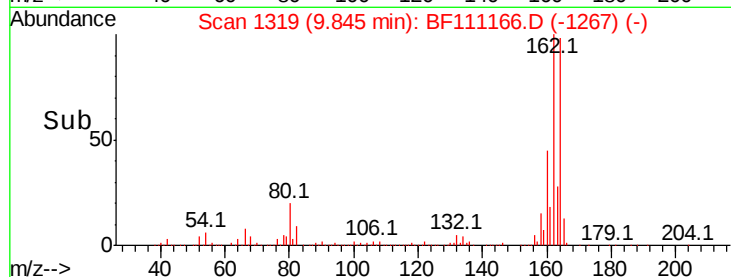
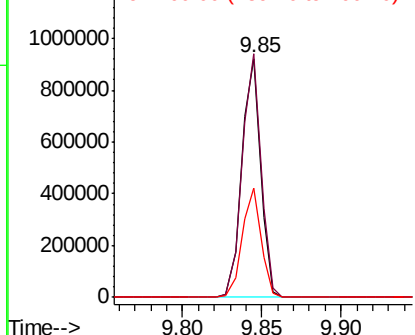
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 756348
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 45.6 35.5 53.3

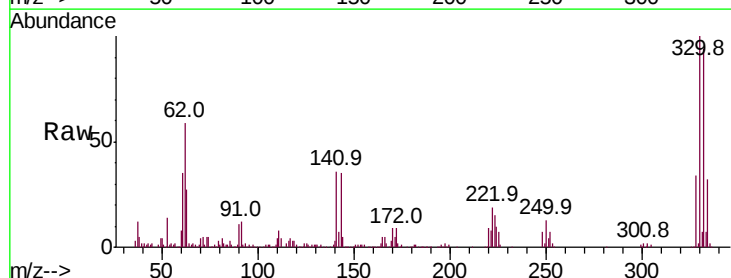


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

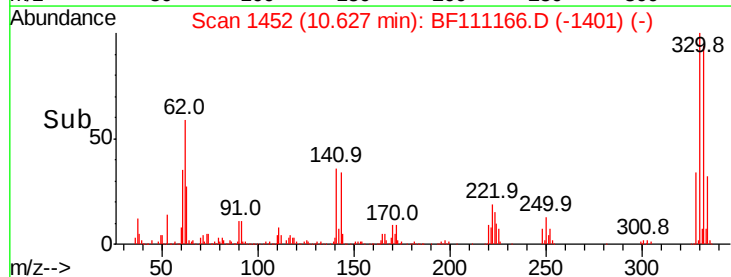
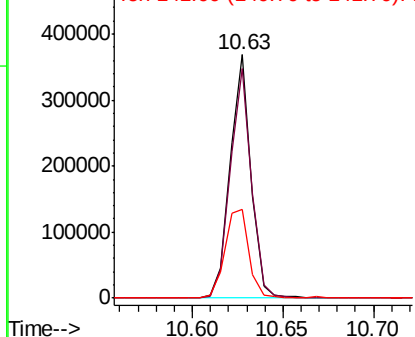


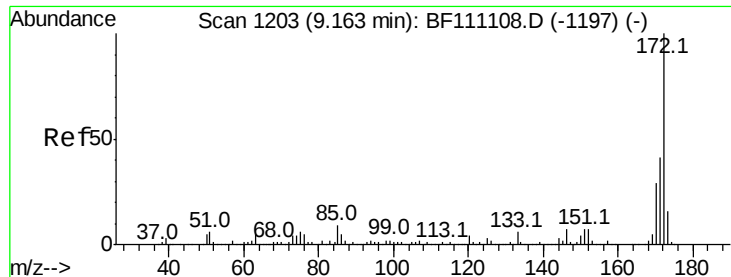
#42
2,4,6-Tribromophenol
Concen: 49.176 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Tgt Ion:330 Resp: 295653
Ion Ratio Lower Upper
330 100
332 96.2 77.2 115.8
141 41.6 36.1 54.1



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

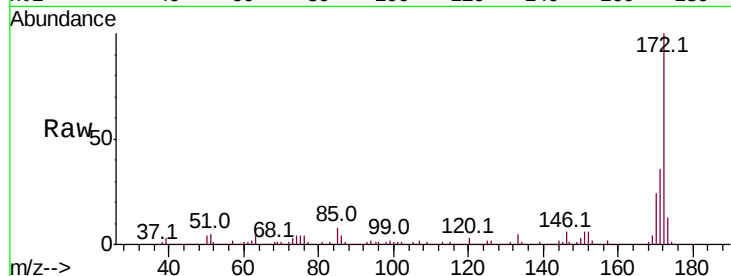




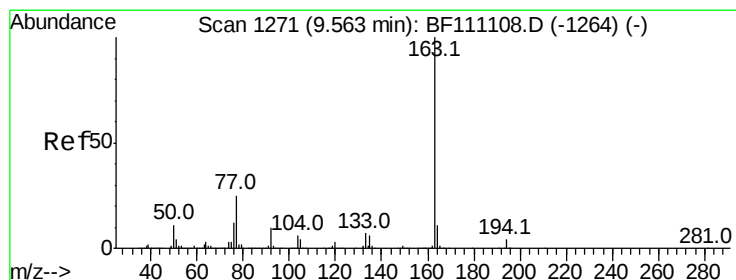
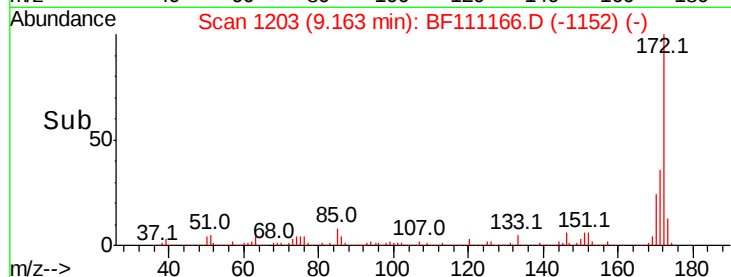
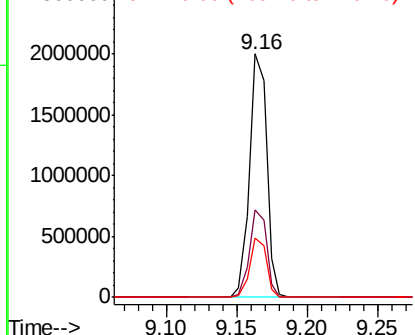
#45
2-Fluorobiphenyl
Concen: 33.636 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1729294
Ion Ratio Lower Upper
172 100
171 35.9 33.2 49.8
170 24.5 22.9 34.3

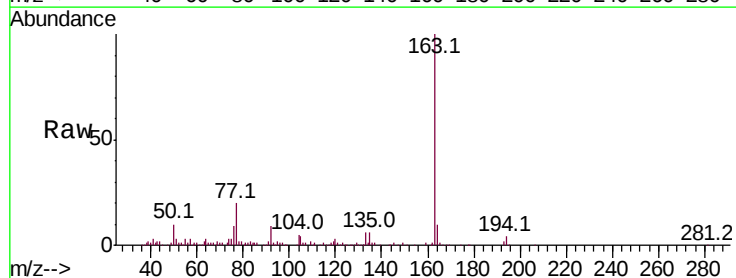


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

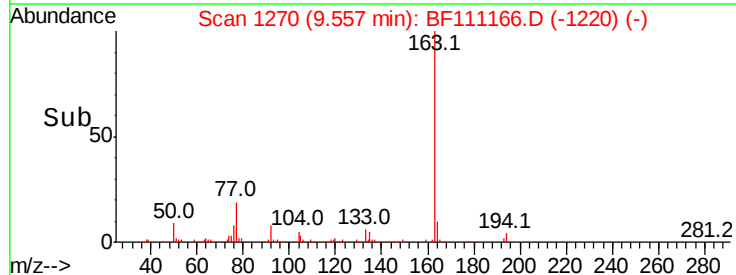
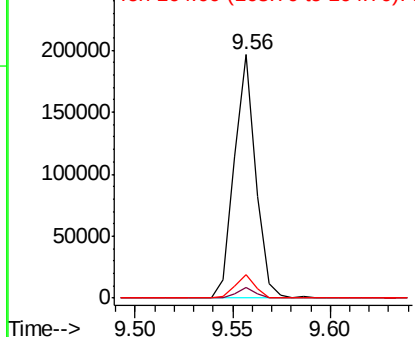


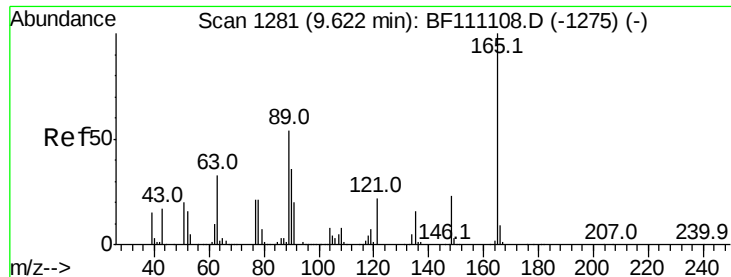
#50
Dimethylphthalate
Concen: 2.843 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Tgt Ion:163 Resp: 149678
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.4
164 9.6 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: 9.005 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.22 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

Instrument :

BNA_F

ClientSampleId :

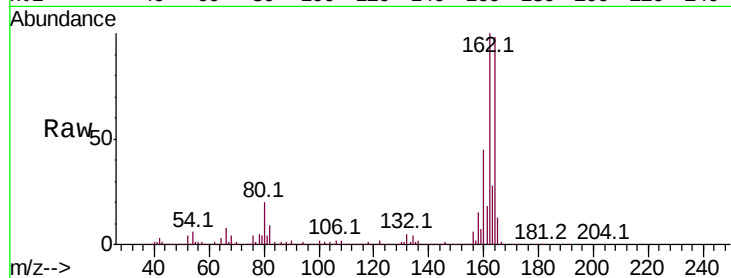
Tot Ion:165 Resp: 100501

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

89 1.1 43.0 64.4#



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

150000

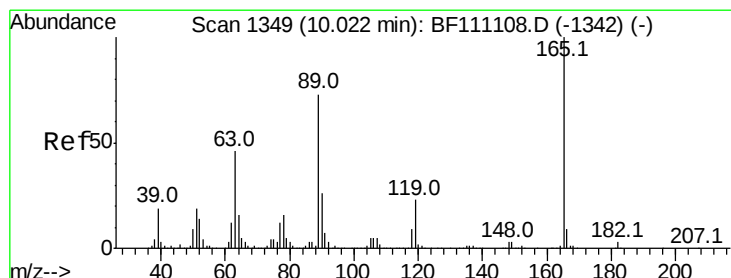
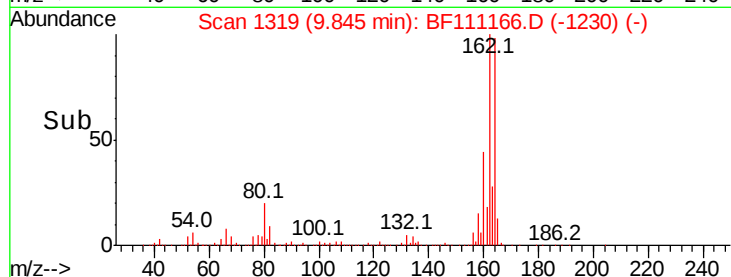
100000

50000

0

9.80 9.85

Time-->



#57

2,4-Dinitrotoluene

Concen: 6.973 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.18 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

Tgt Ion:165 Resp: 100501

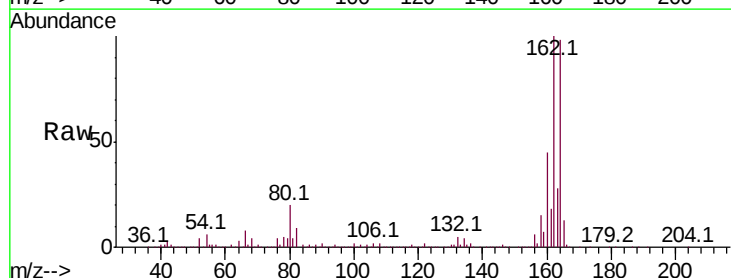
Ion Ratio Lower Upper

165 100

63 1.6 36.7 55.1#

89 1.1 58.4 87.6#

182 0.0 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

150000

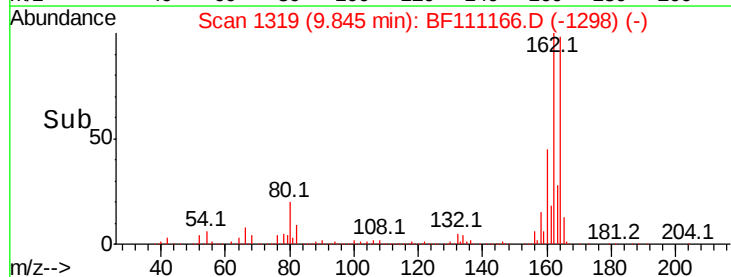
100000

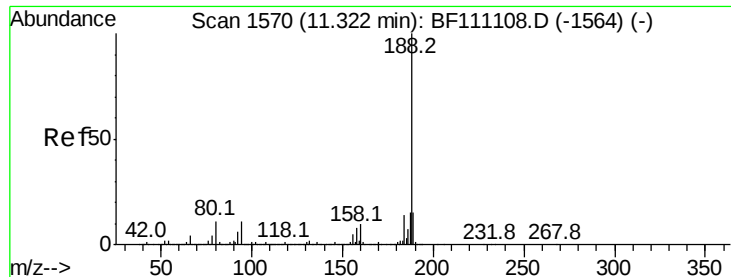
50000

0

9.80 9.85

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

Instrument :

BNA_F

ClientSampleId :

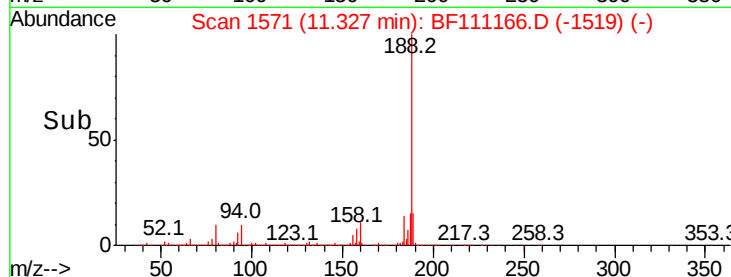
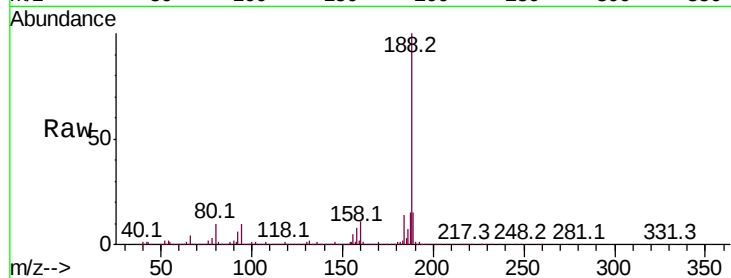
Tot Ion:188 Resp: 1172901

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

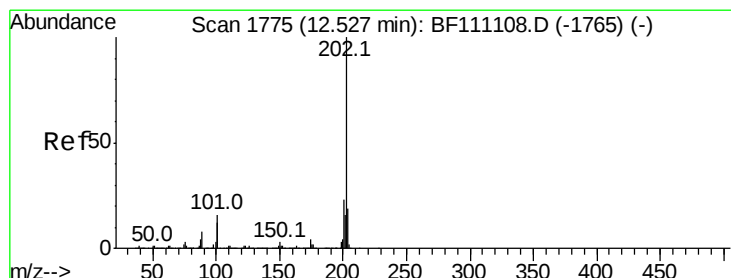
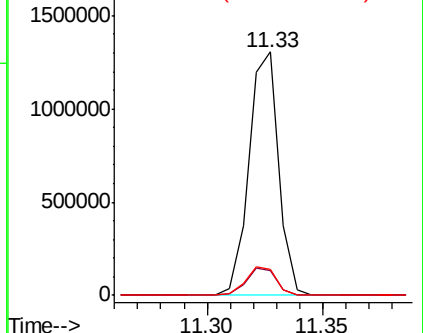
80 10.4 9.0 13.6



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



#75

Fluoranthene

Concen: 3.244 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

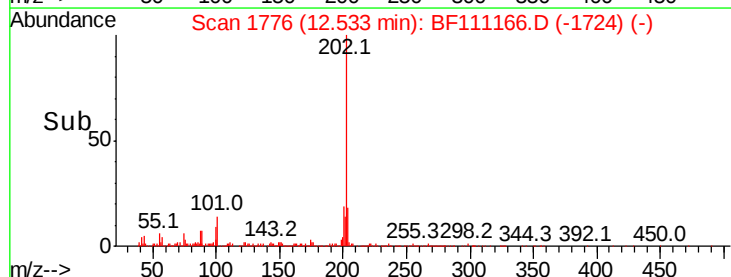
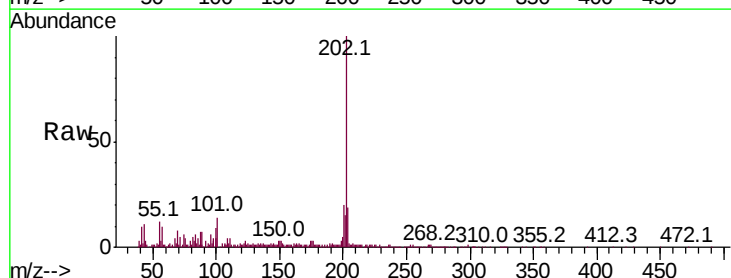
Tgt Ion:202 Resp: 179085

Ion Ratio Lower Upper

202 100

101 14.2 0.0 35.8

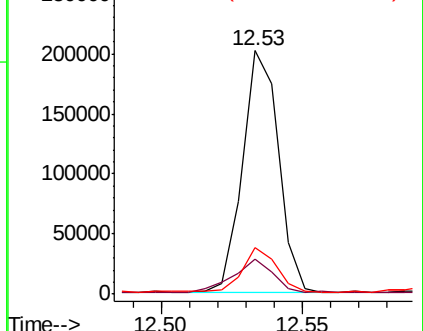
203 18.9 0.0 38.6

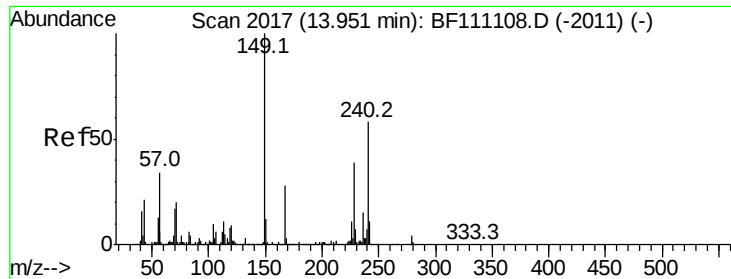


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

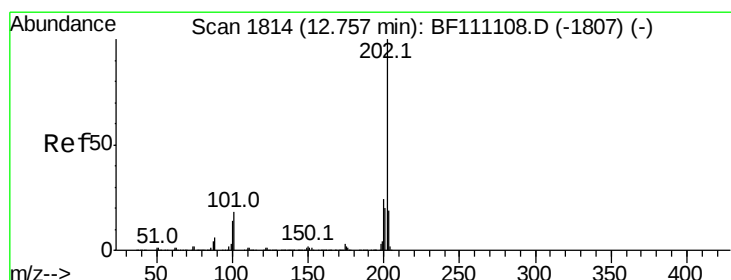
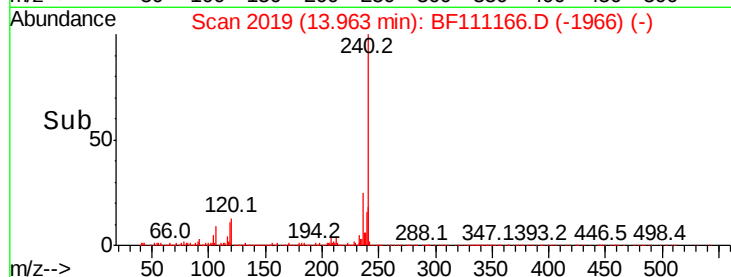
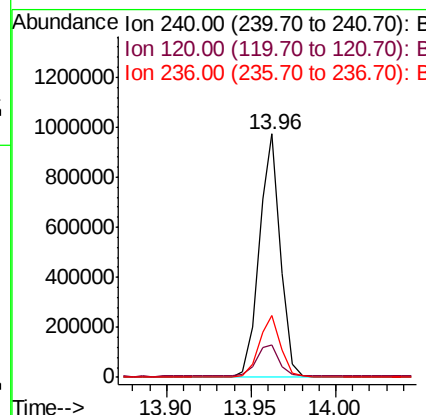
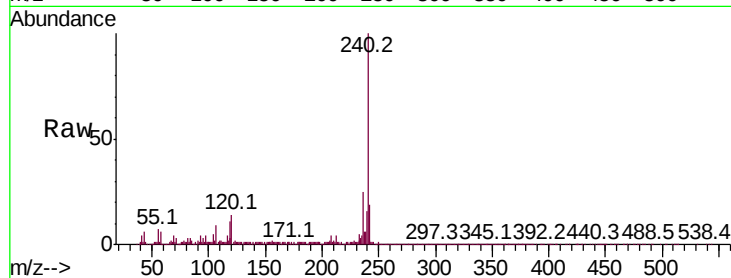




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

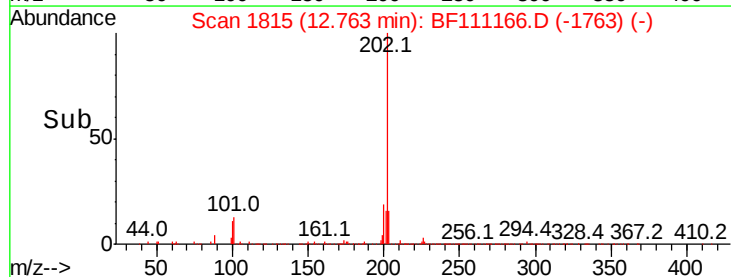
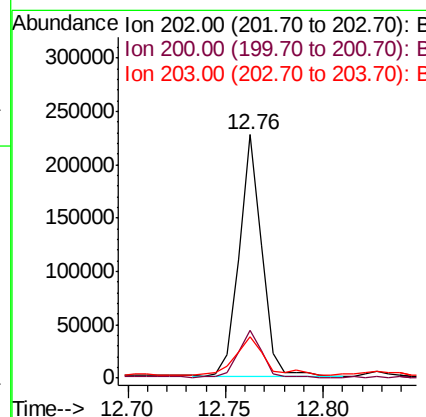
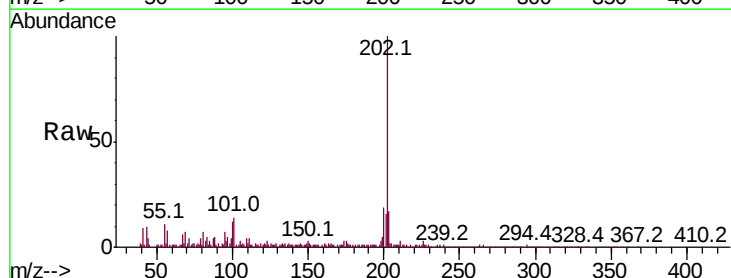
Instrument :
BNA_F
ClientSampleId :

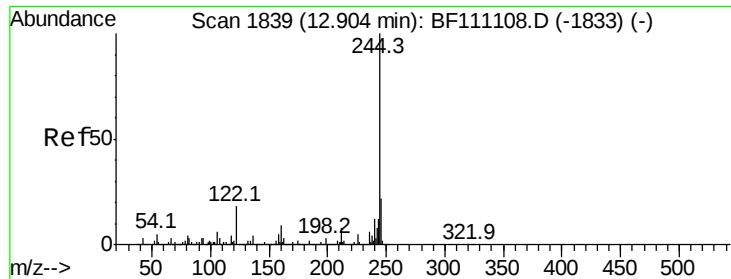
Tot Ion:240 Resp: 844577
Ion Ratio Lower Upper
240 100
120 13.6 12.8 19.2
236 25.5 21.1 31.7



#78
Pyrene
Concen: 2.758 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111166.D
Acq: 7 Dec 2018 4:06

Tgt Ion:202 Resp: 181470
Ion Ratio Lower Upper
202 100
200 19.4 19.3 28.9
203 16.7 15.4 23.2



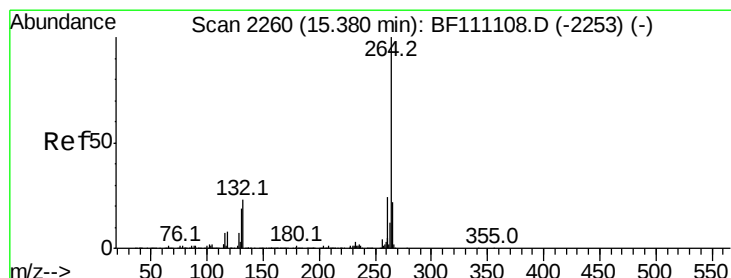
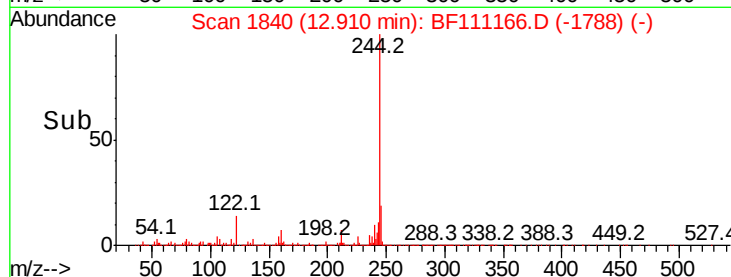
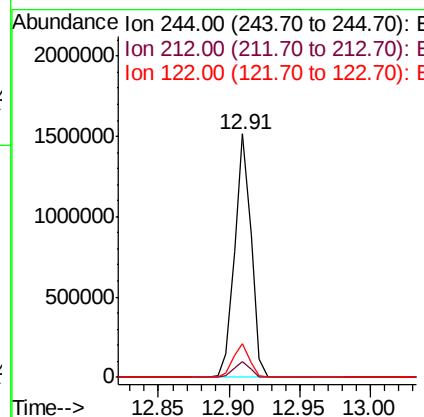
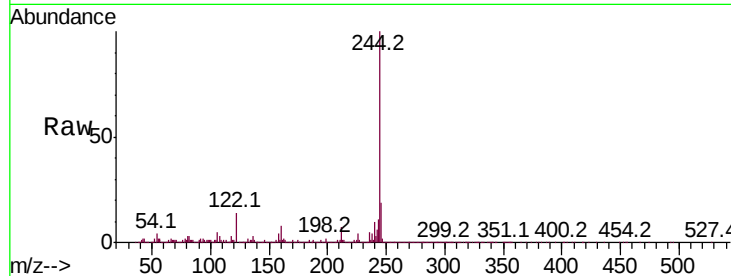


#79
 Terphenyl-d14
 Concen: 29.635 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111166.D
 Acq: 7 Dec 2018 4:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1222135

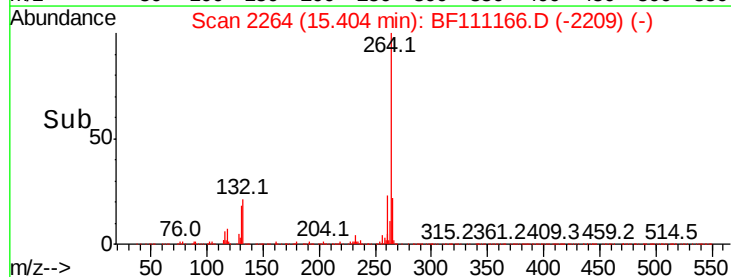
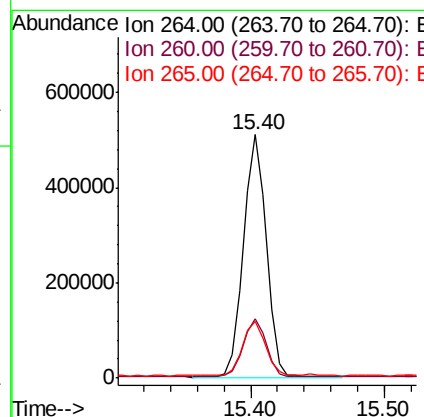
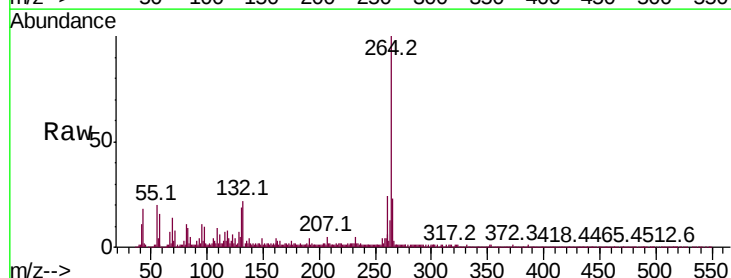
Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.6	9.8
122	13.9	14.2	21.2#

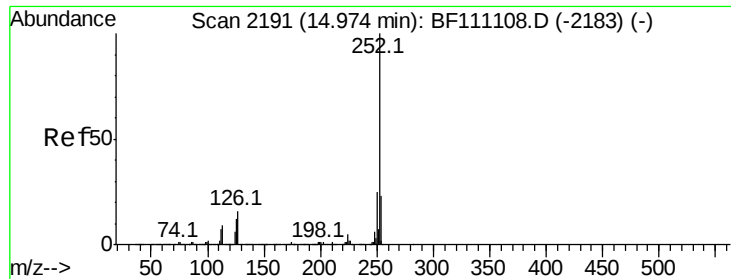


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2264
 Delta R.T. 0.02 min
 Lab File: BF111166.D
 Acq: 7 Dec 2018 4:06

Tgt Ion:264 Resp: 604989

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	23.4	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 2.462 ng

RT: 14.99 min Scan# 2193

Delta R.T. 0.01 min

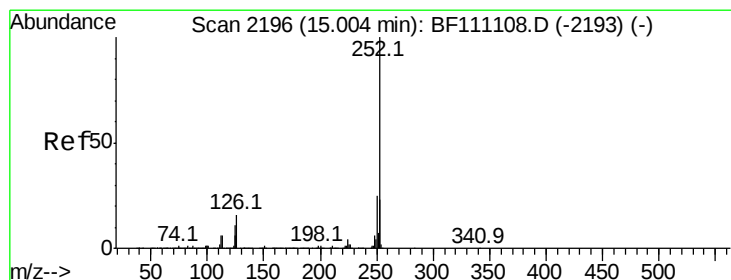
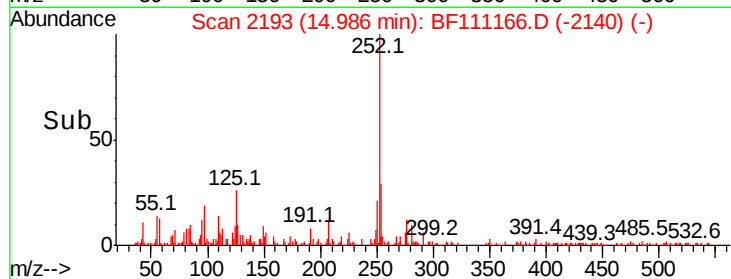
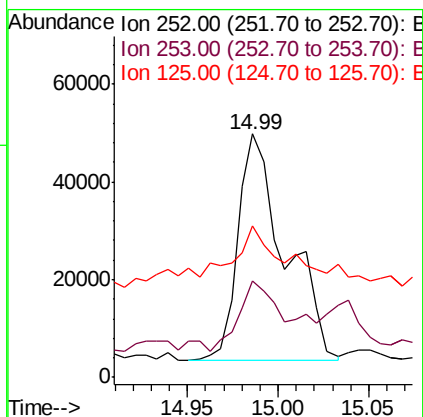
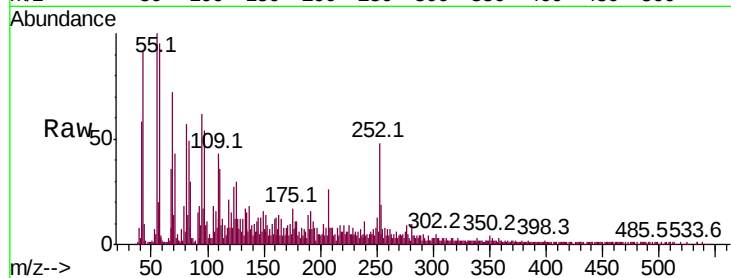
Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 84409

Ion	Ratio	Lower	Upper
252	100		
253	39.8	18.5	27.7#
125	62.3	9.9	14.9#



#89

Benzo(k)fluoranthene

Concen: 2.547 ng

RT: 14.99 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

Tgt Ion:252 Resp: 84409

Ion	Ratio	Lower	Upper
252	100		
253	39.8	18.2	27.4#
125	62.3	9.9	14.9#

