

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110626.D
 Acq On : 9 Nov 2018 14:35
 Operator : JU/SJ
 Sample : J5813-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 17:17:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	73151	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	278250	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	106512	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	175754	20.00	ng	0.00
76) Chrysene-d12	14.13	240	148404	20.00	ng	-0.01
87) Perylene-d12	15.66	264	101534	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	360922	80.14	ng	0.00
7) Phenol-d6	6.57	99	449971	78.14	ng	0.00
23) Nitrobenzene-d5	7.51	82	268479	55.57	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	61308	57.12	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	376213	50.45	ng	0.00
79) Terphenyl-d14	13.06	244	299572	37.80	ng	0.00

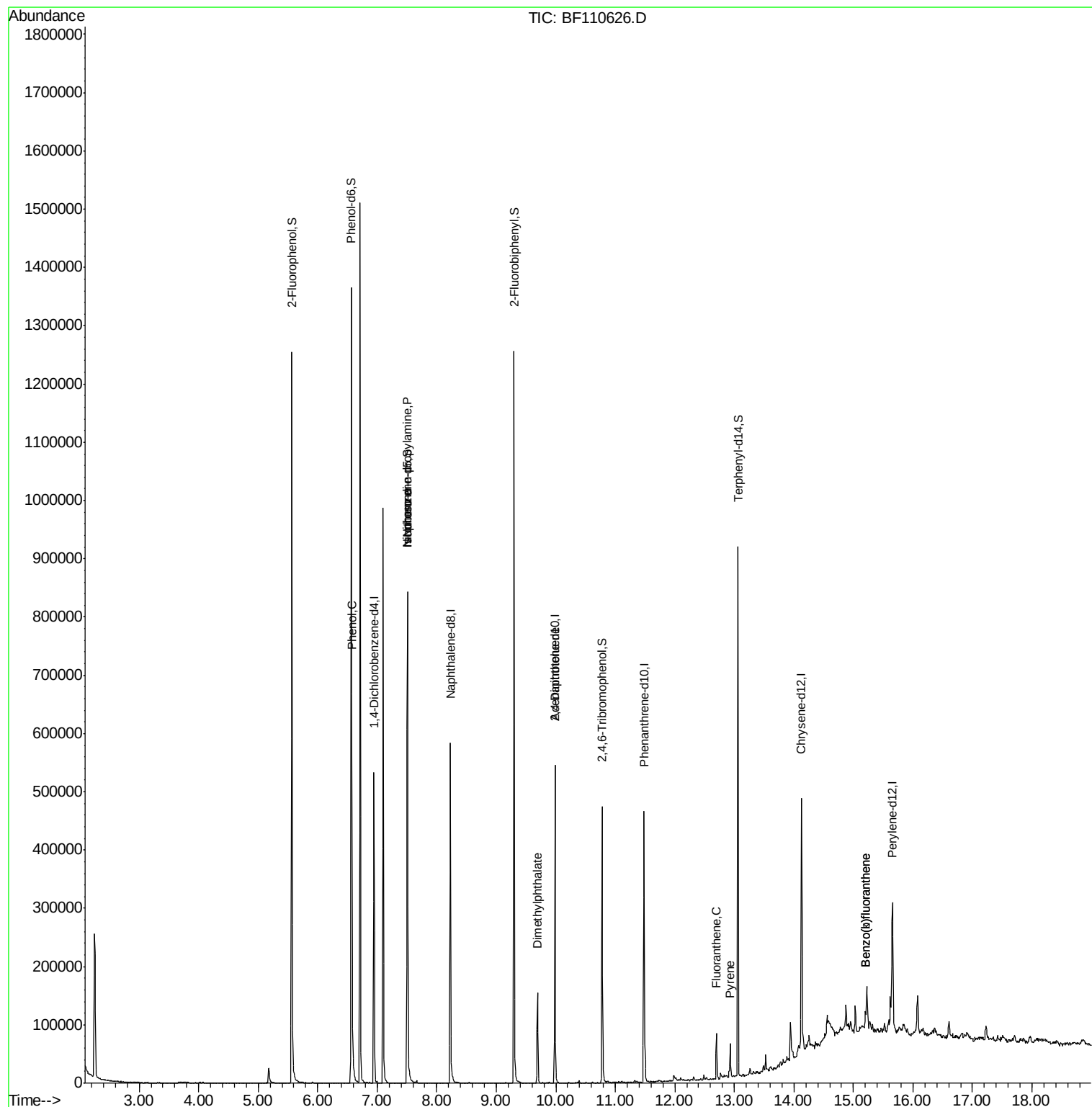
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	742	Below Cal		# 1
10) Phenol	6.58	94	28643	4.289	ng	# 68
19) n-Nitroso-di-n-propylamine	7.51	70	34976	9.515	ng	# 79
25) Isophorone	7.51	82	268477	33.903	ng	# 67
50) Dimethylphthalate	9.69	163	66167	8.325	ng	# 98
57) 2,4-Dinitrotoluene	9.99	165	13640	6.000	ng	# 17
75) Fluoranthene	12.70	202	32707	3.465	ng	# 98
78) Pyrene	12.93	202	26131	2.287	ng	# 94
88) Benzo(b)fluoranthene	15.20	252	18453	3.038	ng	# 85
89) Benzo(k)fluoranthene	15.20	252	18453	3.075	ng	# 84

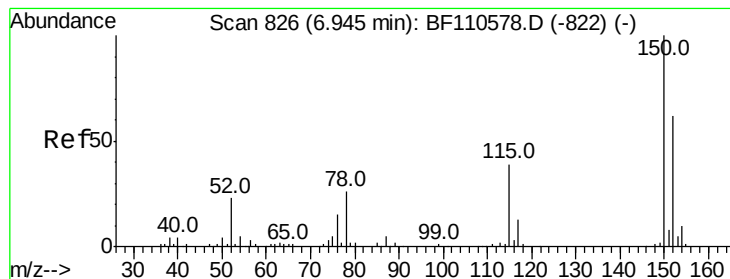
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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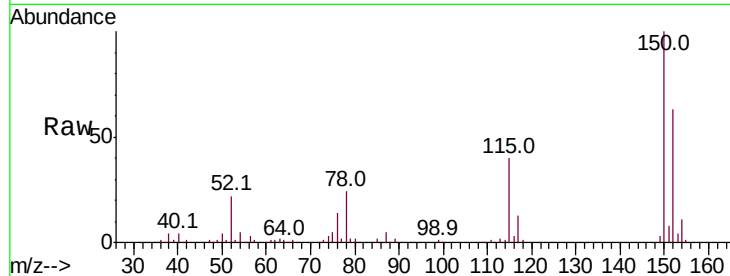


#1

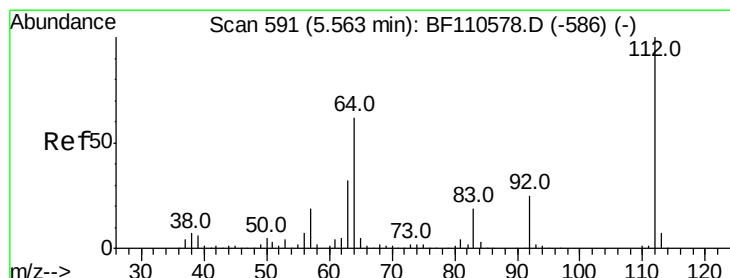
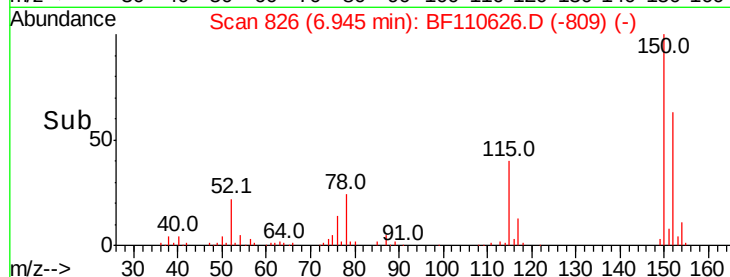
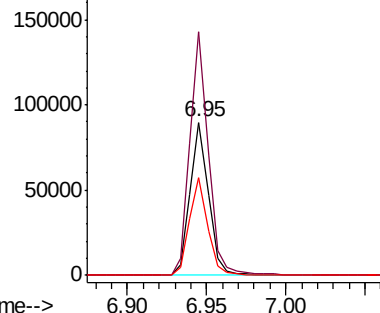
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 73151
Ion Ratio Lower Upper
152 100
150 159.1 122.7 184.1
115 64.0 49.1 73.7



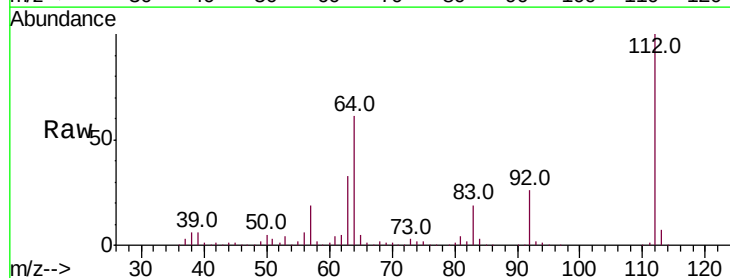
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



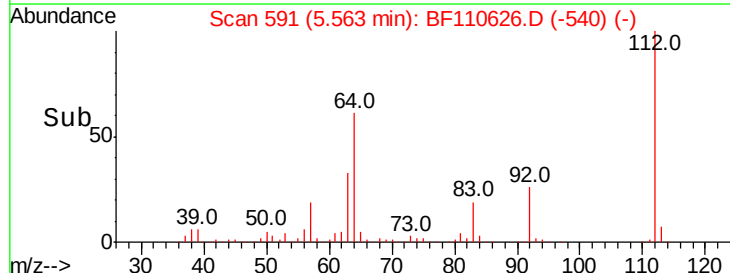
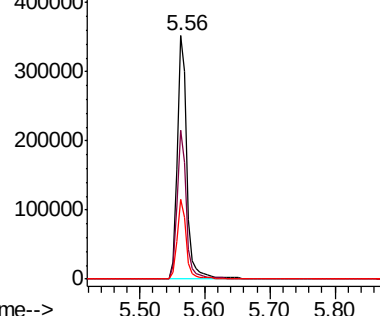
#5

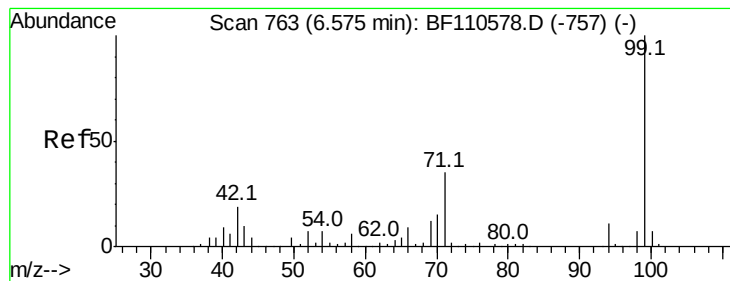
2-Fluorophenol
Concen: 80.143 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Tgt Ion:112 Resp: 360922
Ion Ratio Lower Upper
112 100
64 61.4 44.1 66.1
63 33.0 23.7 35.5



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: 78.135 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110626.D

Acq: 9 Nov 2018 14:35

Instrument :

BNA_F

ClientSampleId :

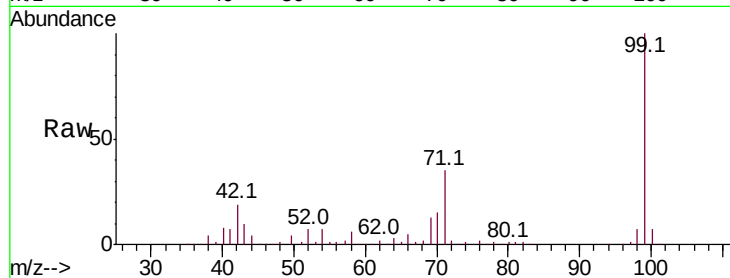
Tot Ion: 99 Resp: 449971

Ion Ratio Lower Upper

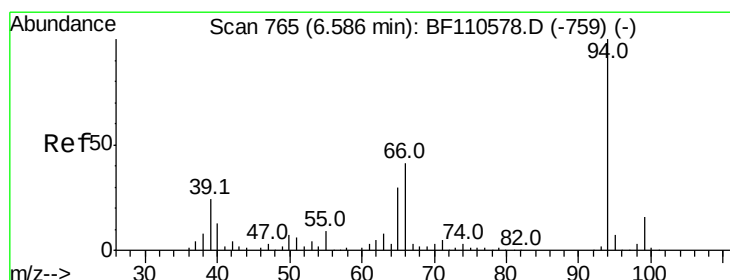
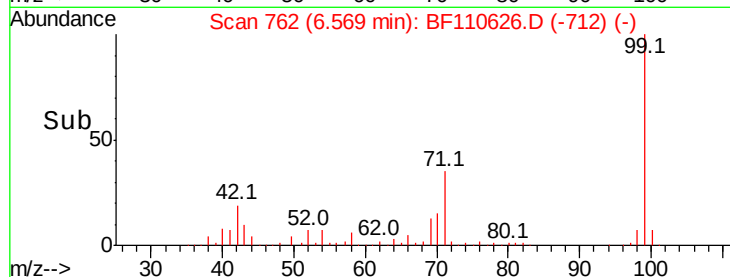
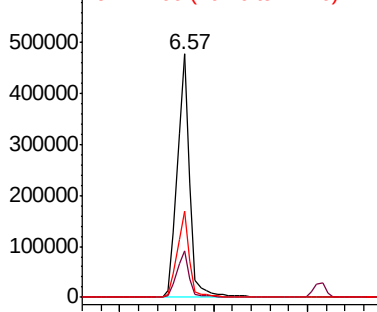
99 100

42 19.2 15.8 23.6

71 35.1 28.0 42.0



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: 4.289 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110626.D

Acq: 9 Nov 2018 14:35

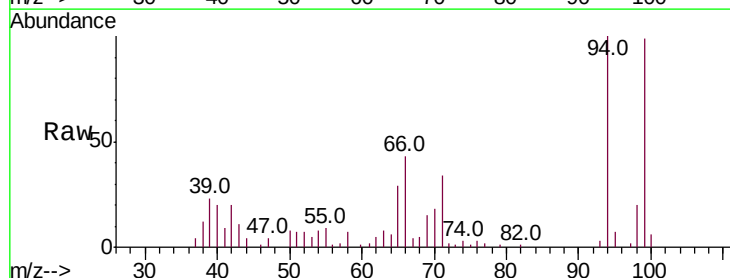
Tgt Ion: 94 Resp: 28643

Ion Ratio Lower Upper

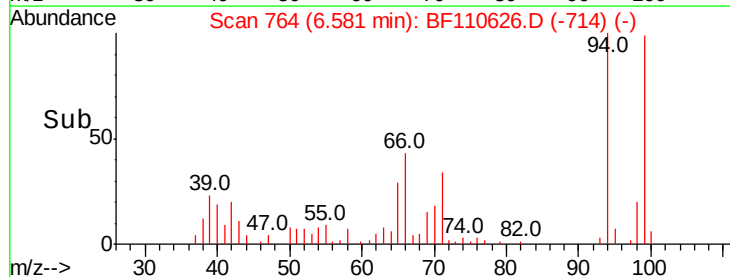
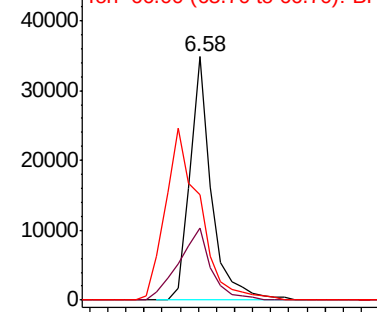
94 100

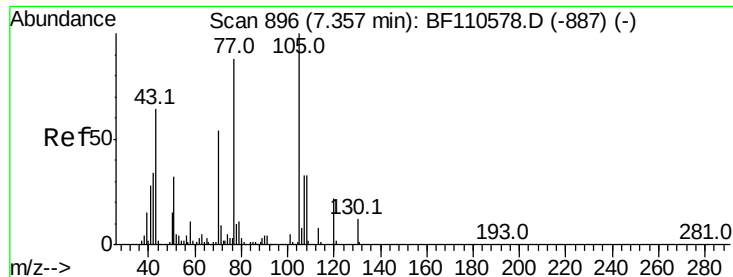
65 29.4 25.3 65.3

66 43.2 54.5 94.5#



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

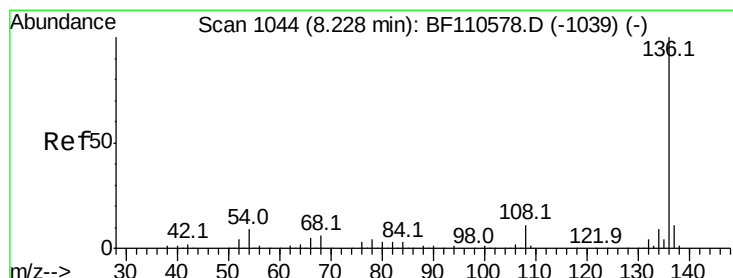
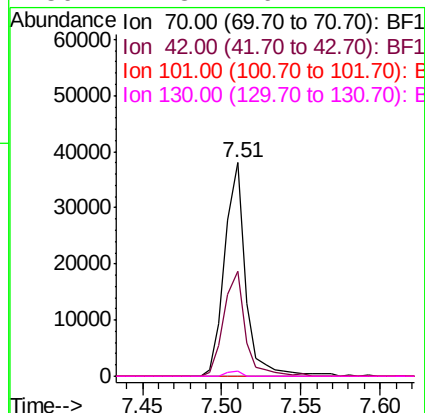
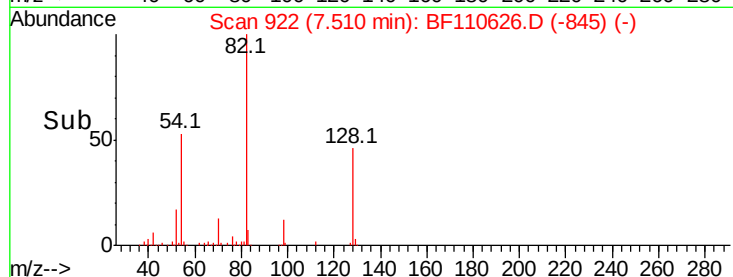
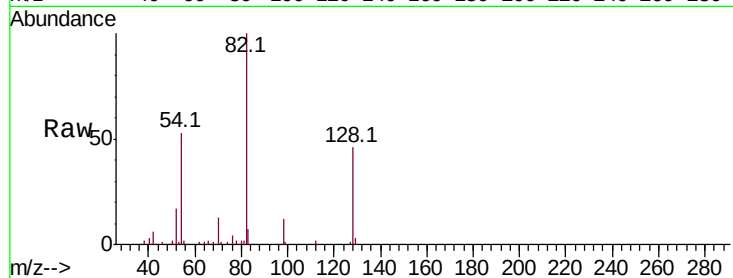




#19
n-Nitroso-di-n-propylamine
Concen: 9.515 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

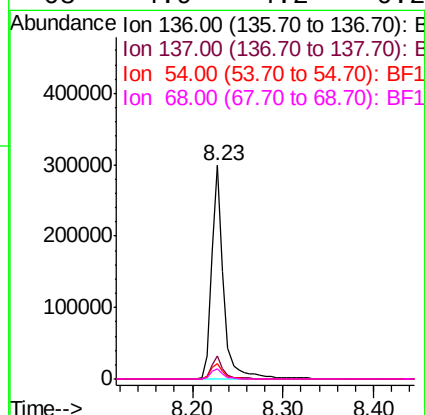
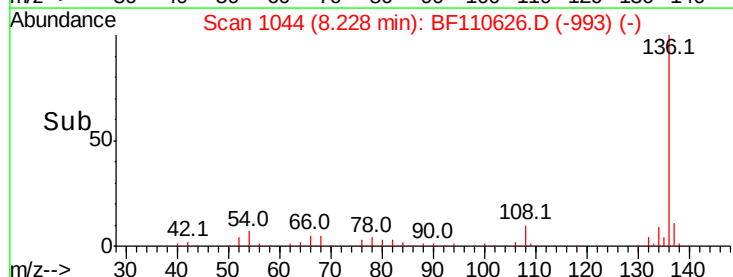
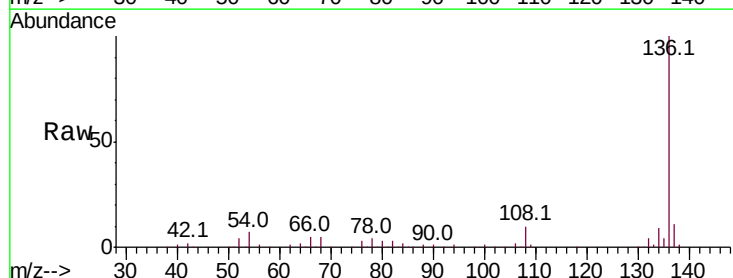
Instrument :
BNA_F
ClientSampleId :

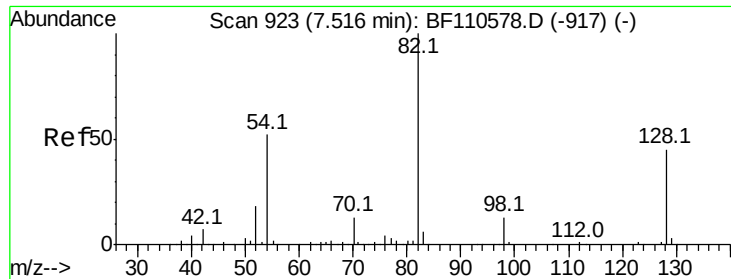
Tot Ion: 70 Resp: 34976
Ion Ratio Lower Upper
70 100
42 49.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Tgt Ion: 136 Resp: 278250
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.4 5.4 8.2
68 4.9 4.2 6.2

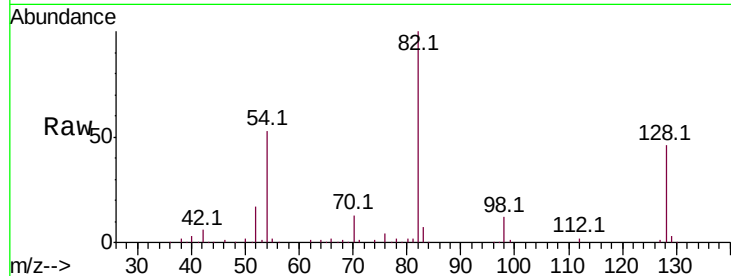




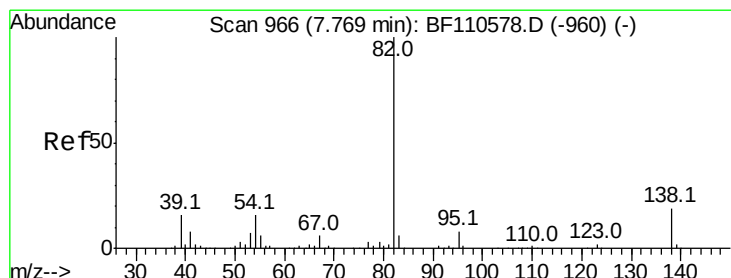
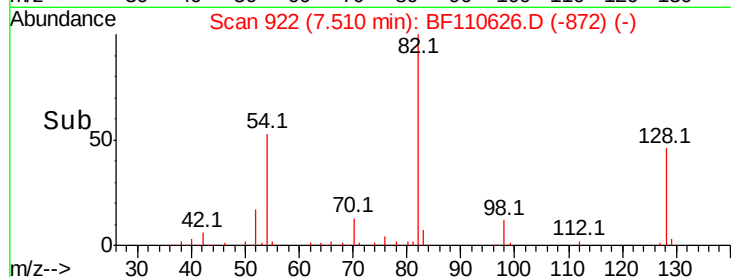
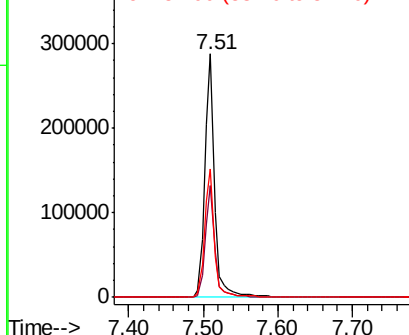
#23
 Nitrobenzene-d5
 Concen: 55.567 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110626.D
 Acq: 9 Nov 2018 14:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	268479
Ion Ratio	Lower	Upper	
82	100		
128	45.8	34.2	51.2
54	52.6	38.6	58.0

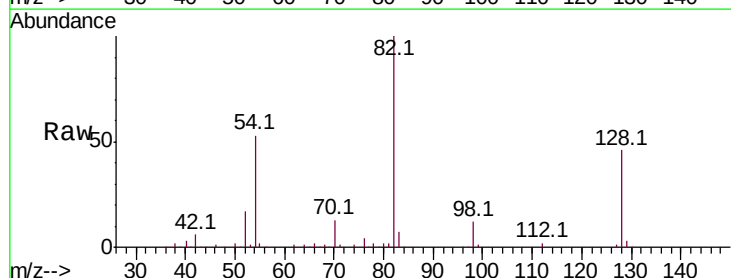


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

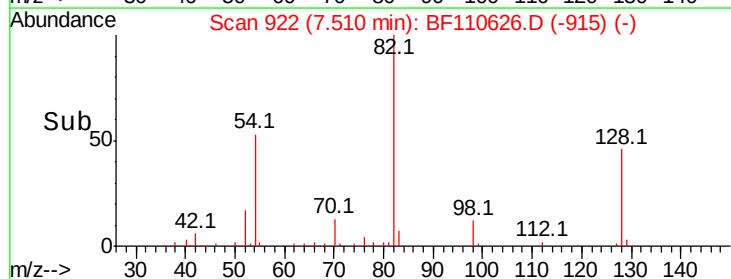
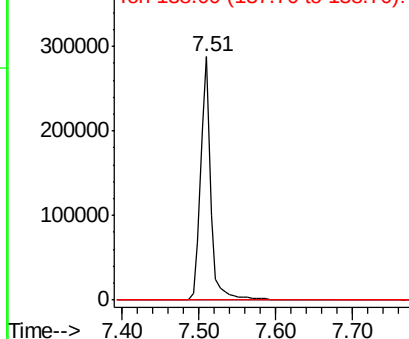


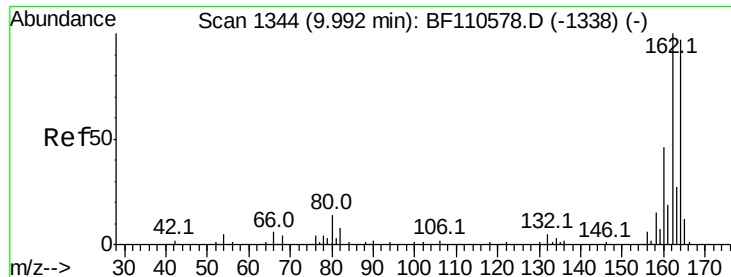
#25
 Isophorone
 Concen: 33.903 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110626.D
 Acq: 9 Nov 2018 14:35

Tgt Ion	82	Resp	268477
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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

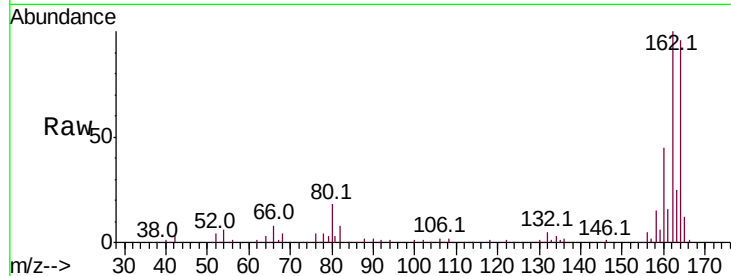




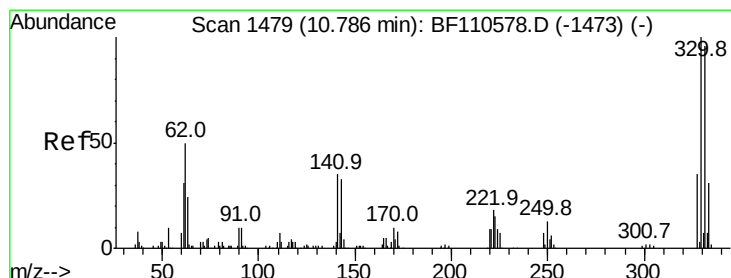
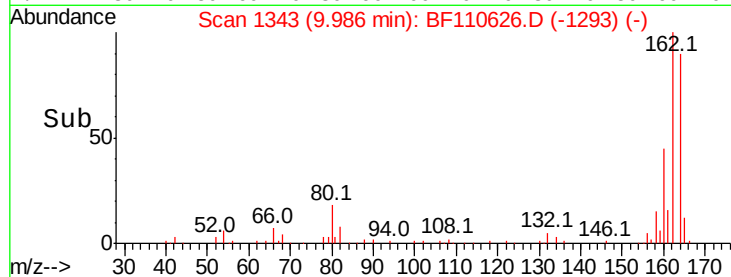
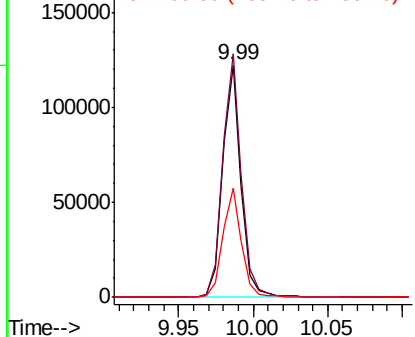
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 106512
Ion Ratio Lower Upper
164 100
162 104.7 83.0 124.6
160 46.8 37.0 55.6

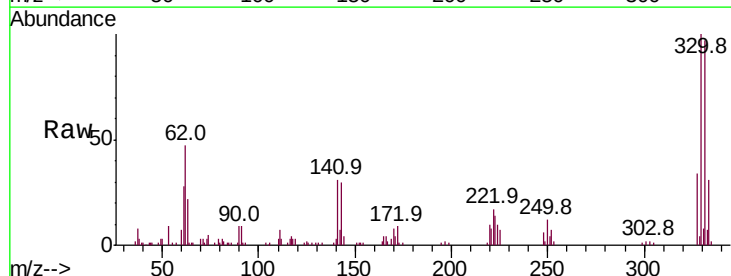


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

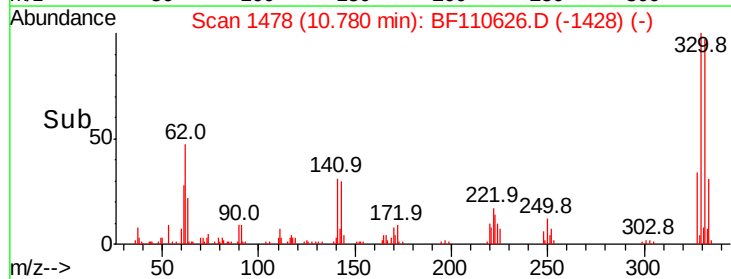
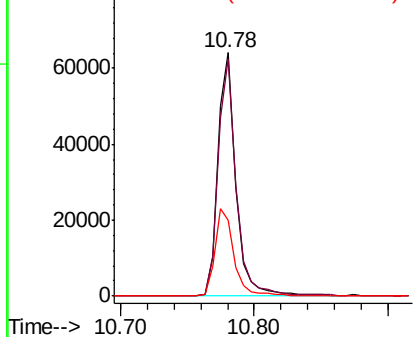


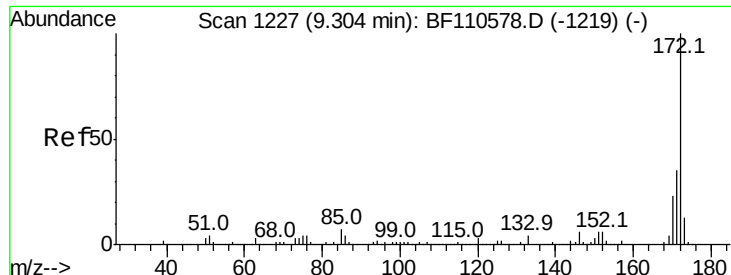
#42
2,4,6-Tribromophenol
Concen: 57.124 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Tgt Ion:330 Resp: 61308
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 37.7 27.0 40.4



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

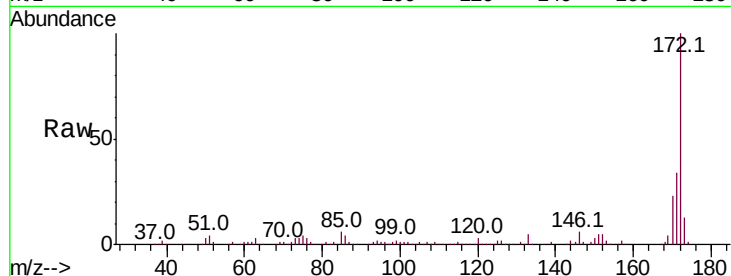




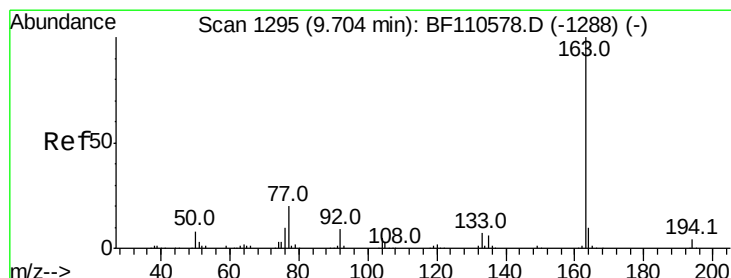
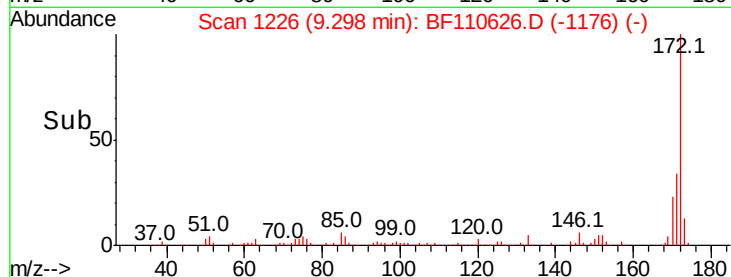
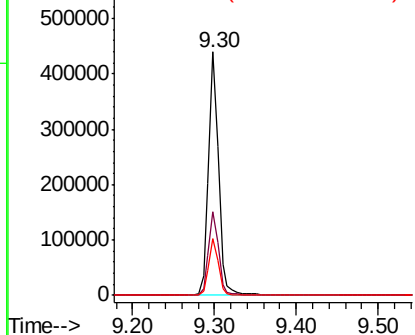
#45
2-Fluorobiphenyl
Concen: 50.445 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 376213
Ion Ratio Lower Upper
172 100
171 34.1 28.6 43.0
170 23.2 19.7 29.5

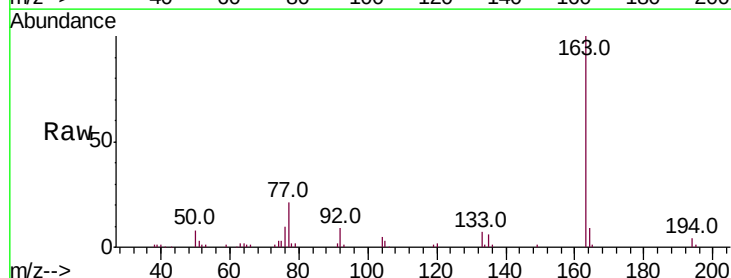


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

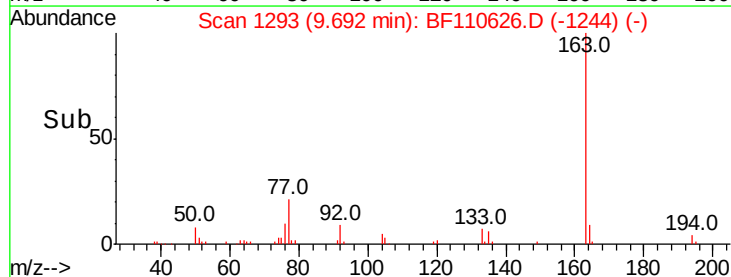
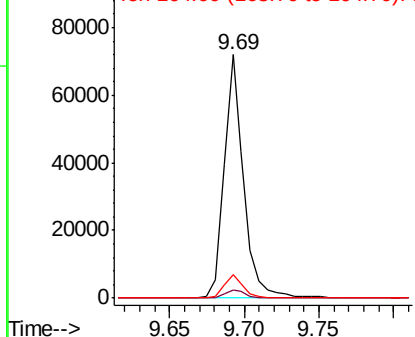


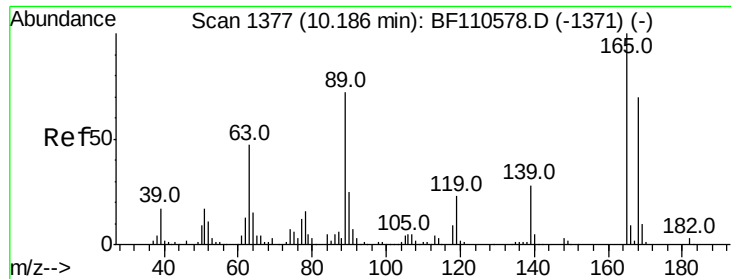
#50
Dimethylphthalate
Concen: 8.325 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Tgt Ion:163 Resp: 66167
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 9.4 8.1 12.1



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

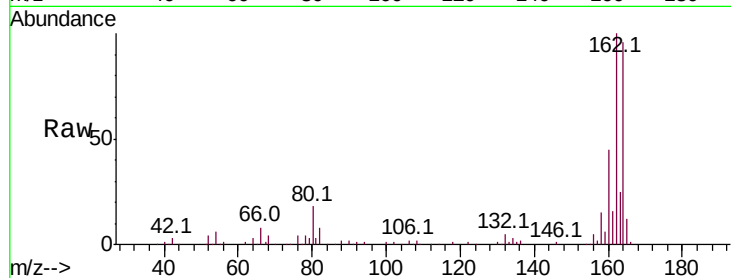




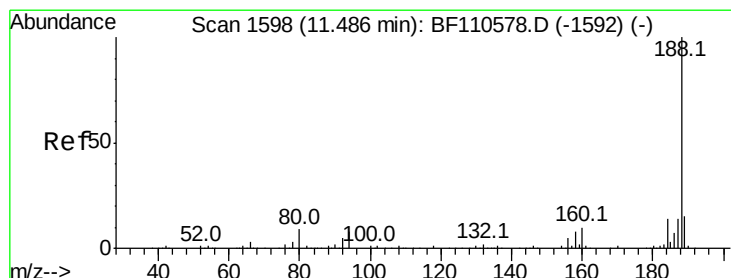
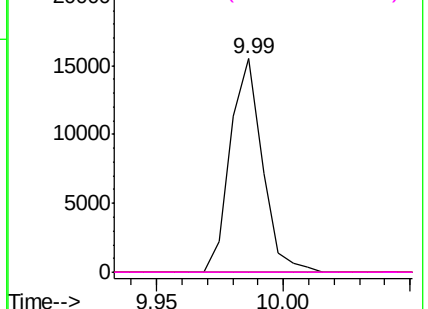
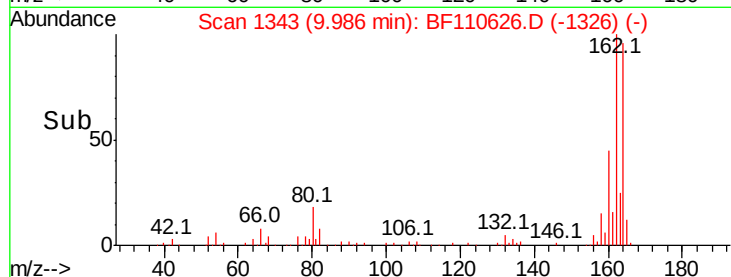
#57
 2,4-Dinitrotoluene
 Concen: 6.000 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110626.D
 Acq: 9 Nov 2018 14:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 13640
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 0.0 62.2 93.4#
 182 0.0 2.1 3.1#

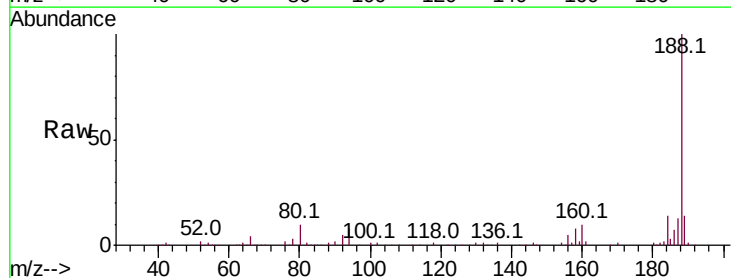


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

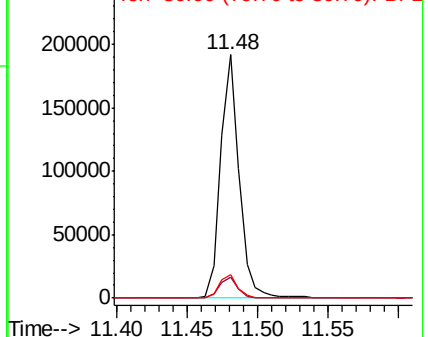
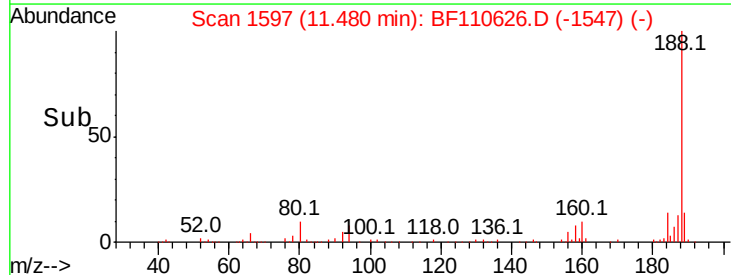


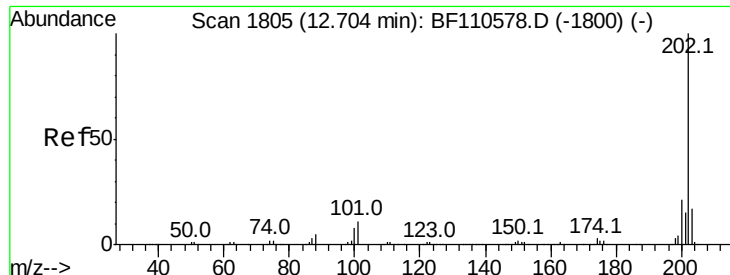
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110626.D
 Acq: 9 Nov 2018 14:35

Tgt Ion:188 Resp: 175754
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.2 10.8
 80 9.6 7.9 11.9



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

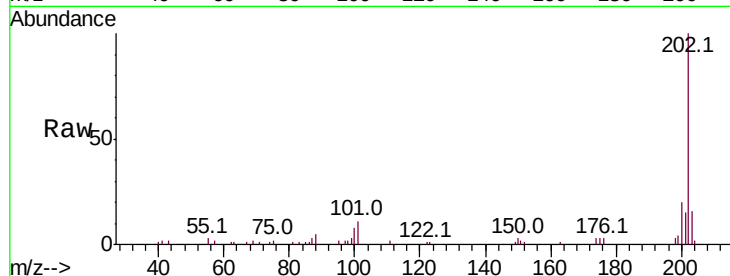




#75
Fluoranthene
Concen: 3.465 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	16.2	0.0	37.7

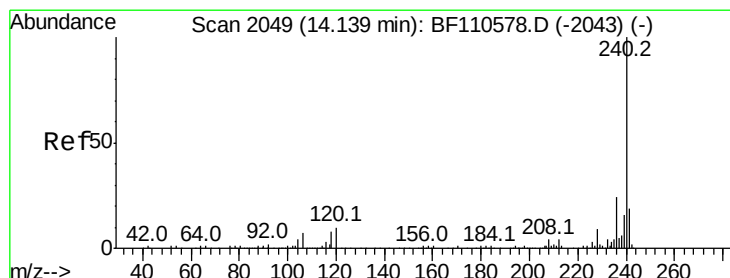
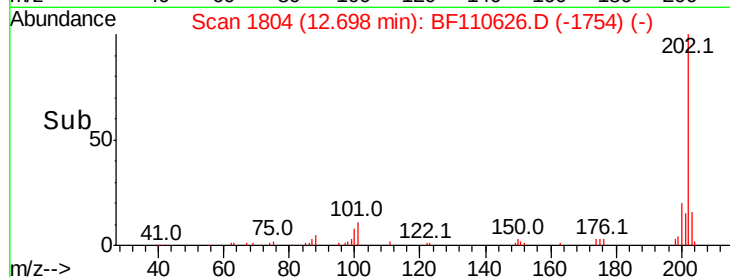
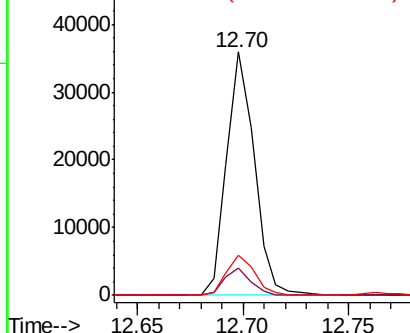


Abundance

Ion 202.00 (201.70 to 202.70): E

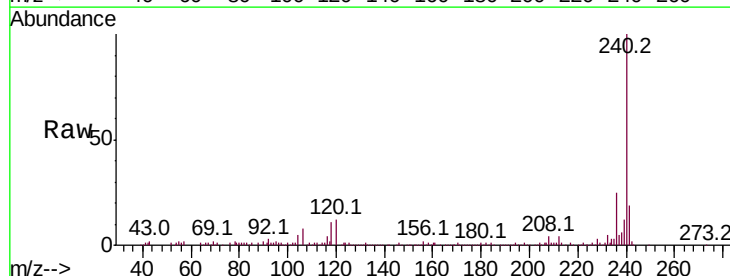
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.3	12.5
236	24.7	21.2	31.8

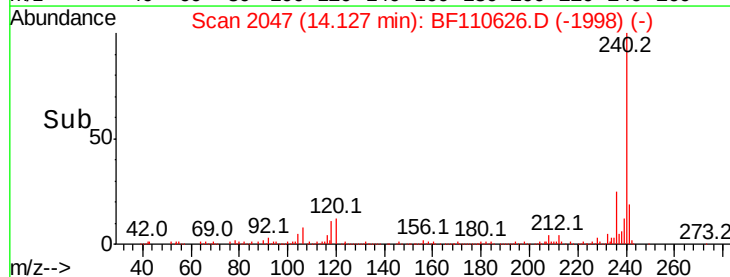
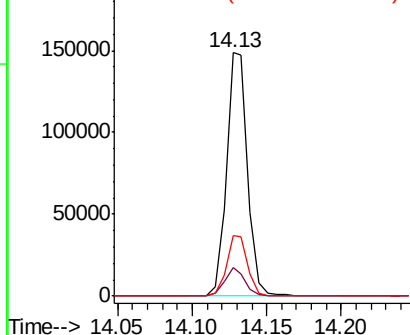


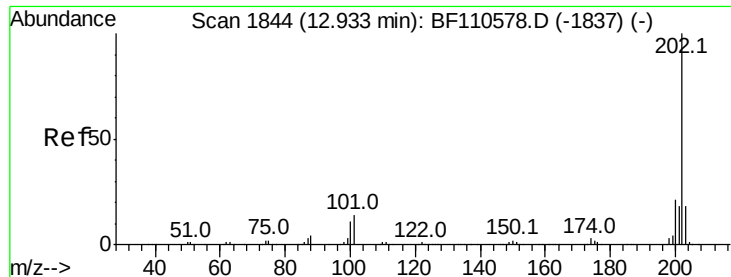
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

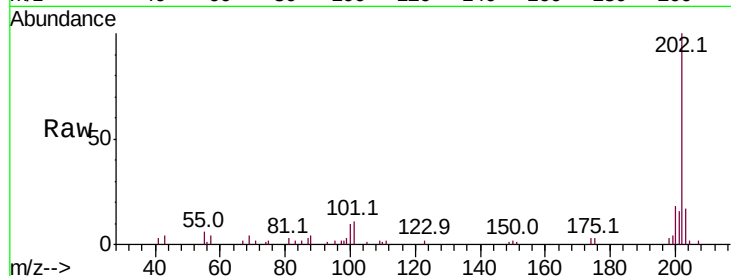




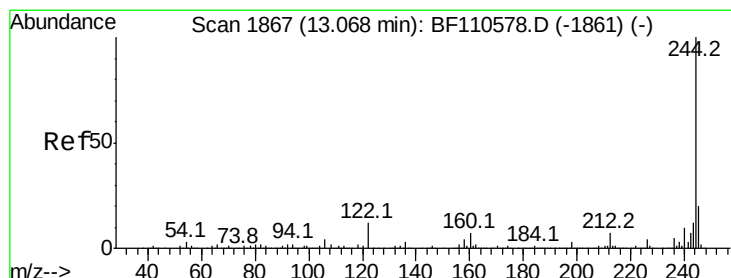
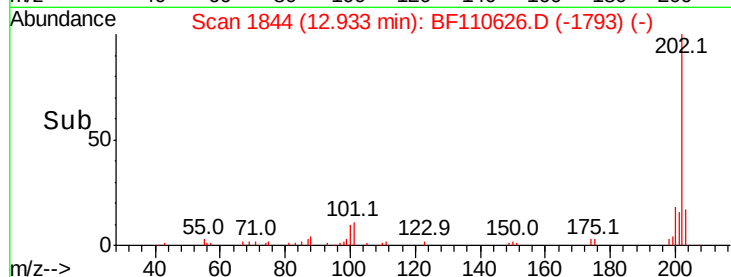
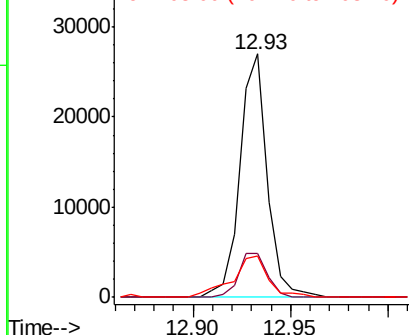
#78
Pvrene
Concen: 2.287 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 26131
Ion Ratio Lower Upper
202 100
200 17.9 17.8 26.6
203 16.8 14.2 21.4

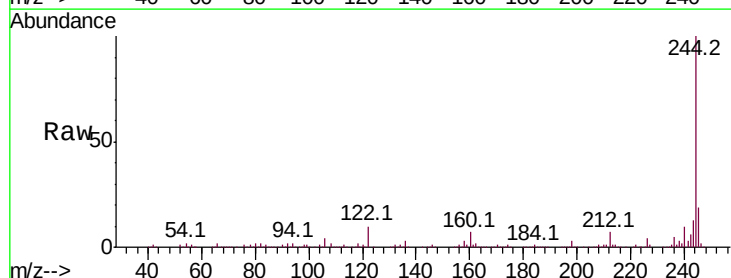


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

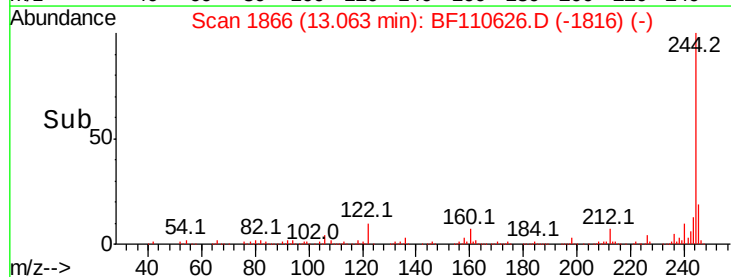
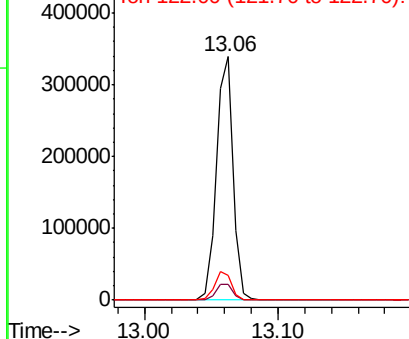


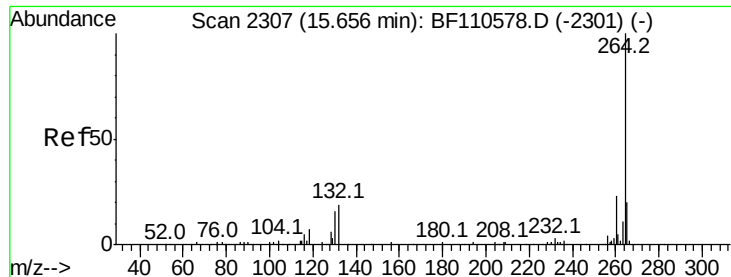
#79
Terphenyl-d14
Concen: 37.804 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110626.D
Acq: 9 Nov 2018 14:35

Tgt Ion:244 Resp: 299572
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.8
122 10.1 8.7 13.1



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: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110626.D

Acq: 9 Nov 2018 14:35

Instrument :

BNA_F

ClientSampleId :

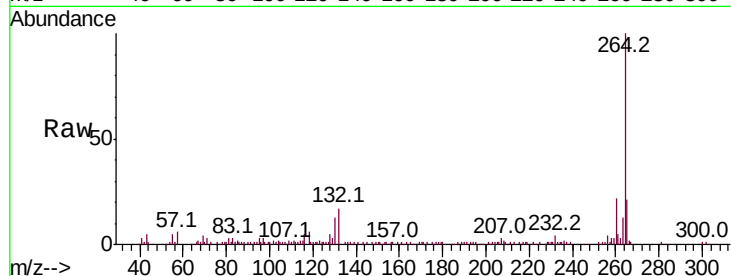
Tot Ion:264 Resp: 101534

Ion Ratio Lower Upper

264 100

260 22.1 18.7 28.1

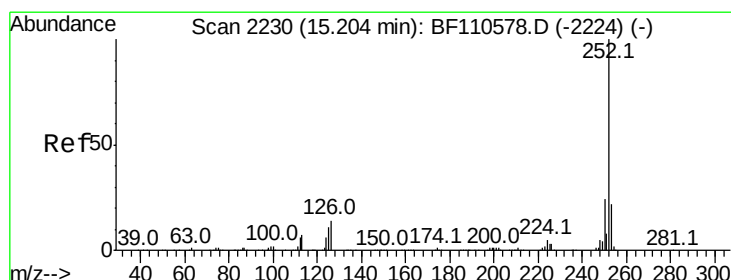
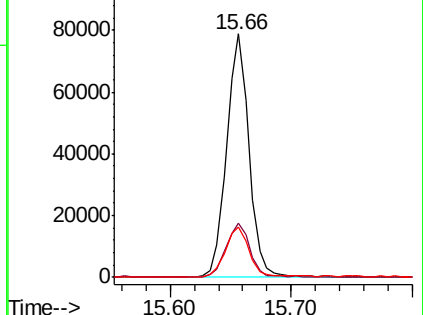
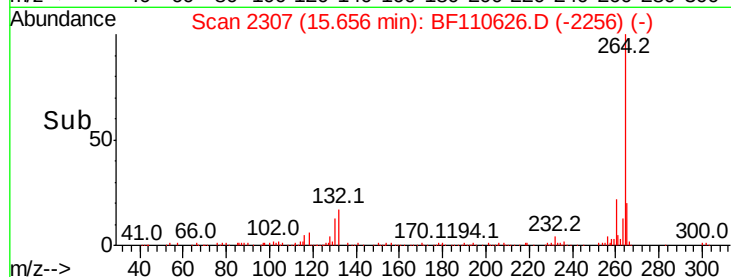
265 20.9 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 3.038 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110626.D

Acq: 9 Nov 2018 14:35

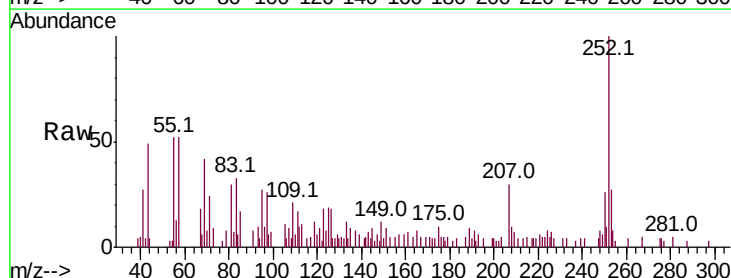
Tgt Ion:252 Resp: 18453

Ion Ratio Lower Upper

252 100

253 26.7 17.2 25.8#

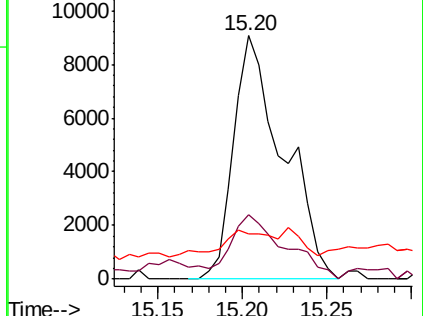
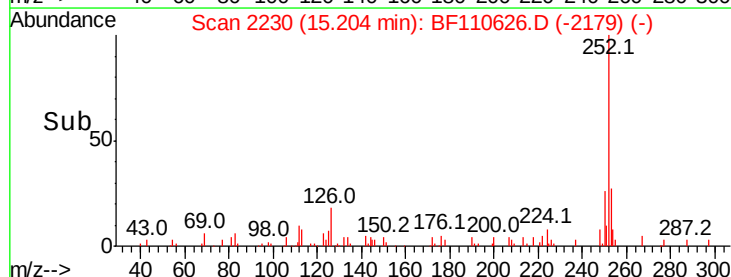
125 18.8 8.2 12.4#

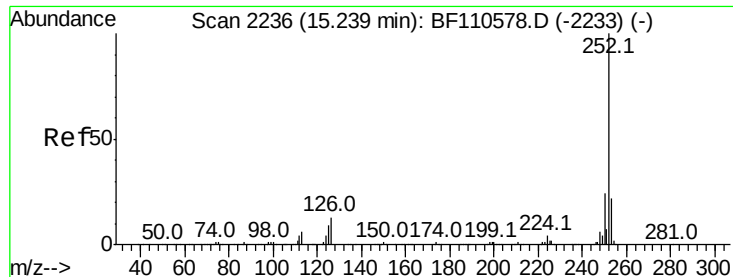


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(k)fluoranthene
 Concen: 3.075 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.04 min
 Lab File: BF110626.D
 Acq: 9 Nov 2018 14:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.2	25.8#
125	18.8	7.4	11.0#

