

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111971.D
 Acq On : 10 Jan 2019 1:10
 Operator : JU/SJ
 Sample : K1075-09 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 01:56:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	115018	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	396914	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	173002	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	321667	20.00	ng	0.00
76) Chrysene-d12	14.06	240	192811	20.00	ng	0.00
87) Perylene-d12	15.56	264	157189	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	351356	52.26	ng	0.00
7) Phenol-d6	6.53	99	438667	50.62	ng	0.00
23) Nitrobenzene-d5	7.44	82	239755	32.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	99689	44.30	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	463334	39.05	ng	0.00
79) Terphenyl-d14	13.00	244	399602	39.34	ng	0.00

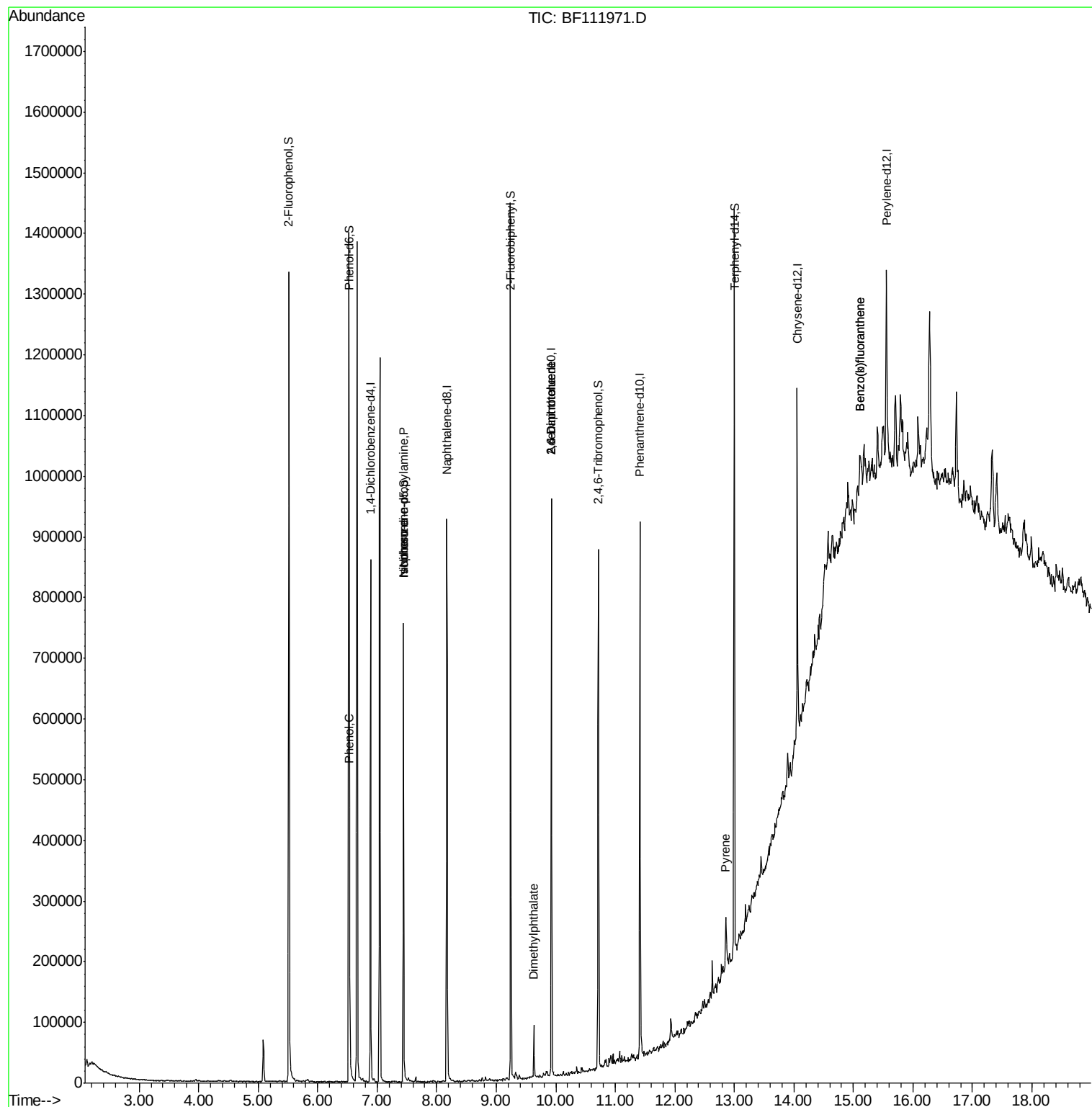
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	913	Below Cal		# 1
10) Phenol	6.54	94	19859	2.109	ng	# 77
19) n-Nitroso-di-n-propylamine	7.44	70	31840	5.655	ng	# 79
25) Isophorone	7.44	82	239753	19.936	ng	# 65
50) Dimethylphthalate	9.63	163	31326	2.410	ng	# 98
51) 2,6-Dinitrotoluene	9.93	165	22023	7.578	ng	# 25
57) 2,4-Dinitrotoluene	9.93	165	22023	5.865	ng	# 26
78) Pyrene	12.86	202	36838	2.777	ng	# 99
88) Benzo(b)fluoranthene	15.12	252	22751	2.420	ng	# 31
89) Benzo(k)fluoranthene	15.12	252	22751	2.574	ng	# 34

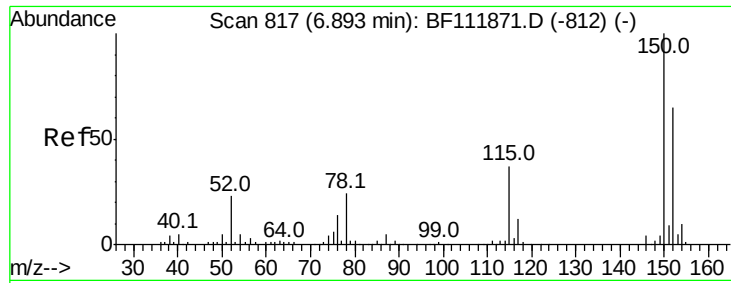
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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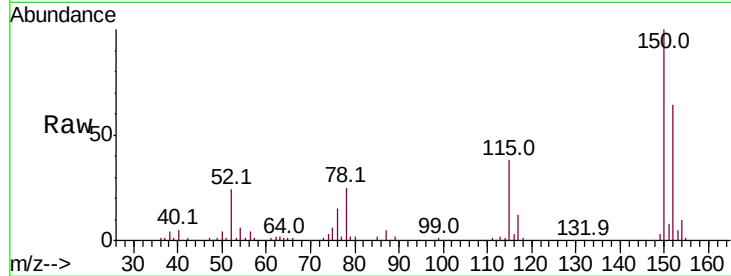


#1

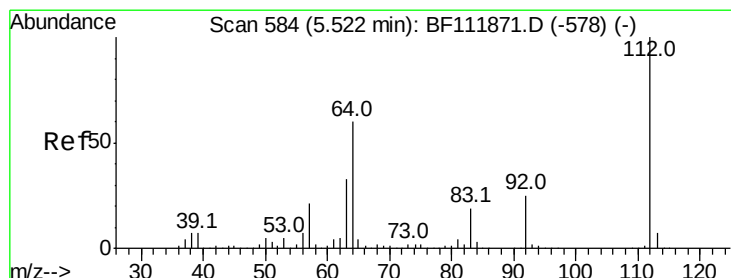
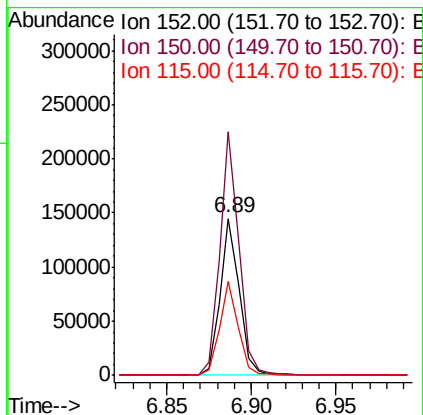
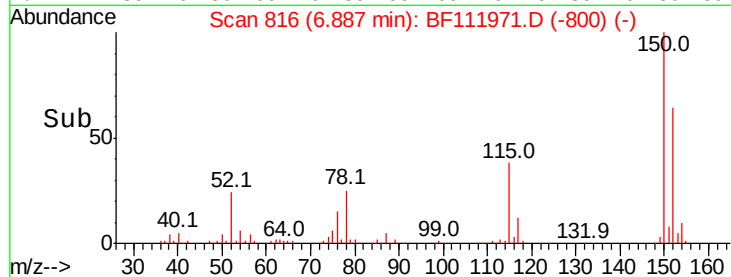
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111971.D
Acq: 10 Jan 2019 1:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115018
Ion Ratio Lower Upper
152 100
150 155.5 122.7 184.1
115 59.7 45.2 67.8



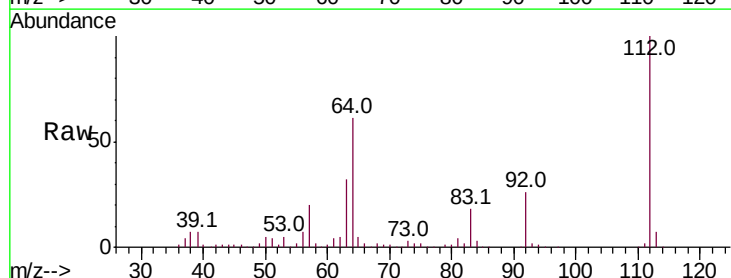
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



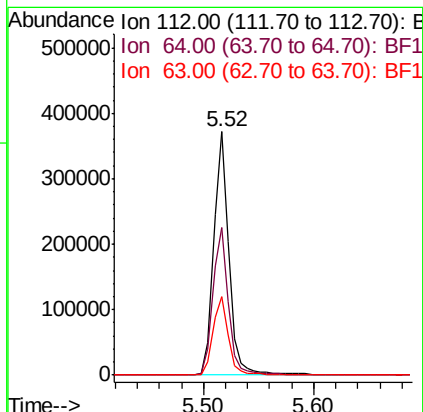
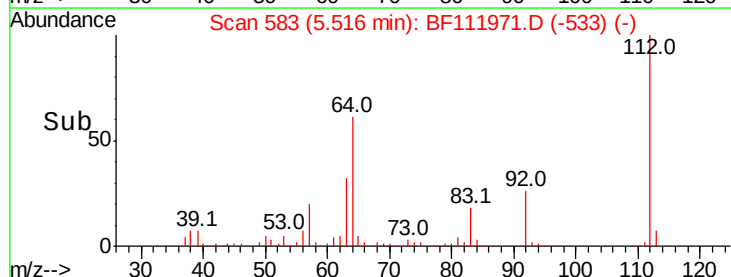
#5

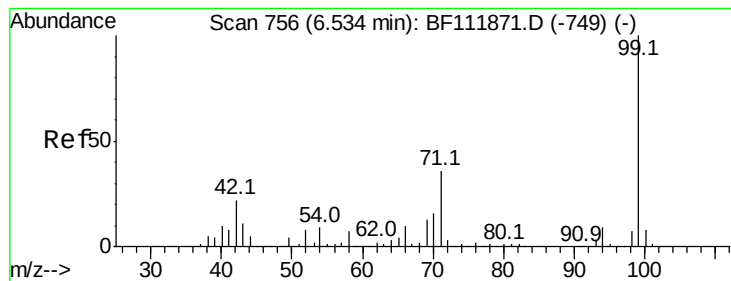
2-Fluorophenol
Concen: 52.262 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111971.D
Acq: 10 Jan 2019 1:10

Tgt Ion:112 Resp: 351356
Ion Ratio Lower Upper
112 100
64 60.6 48.3 72.5
63 32.1 26.1 39.1



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: 50.624 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111971.D

Acq: 10 Jan 2019 1:10

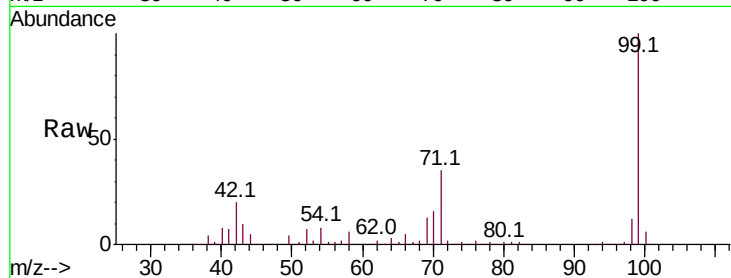
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 438667

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.9	26.9
71	34.9	28.7	43.1

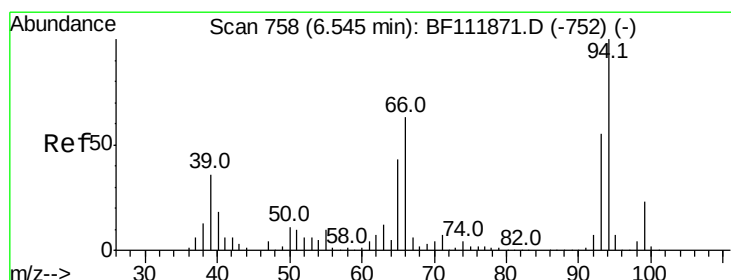
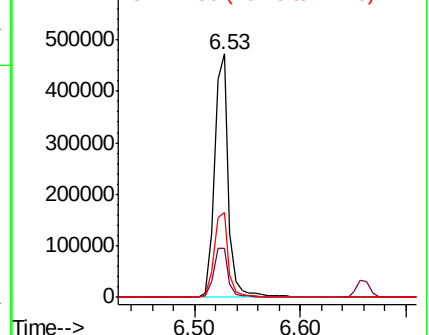
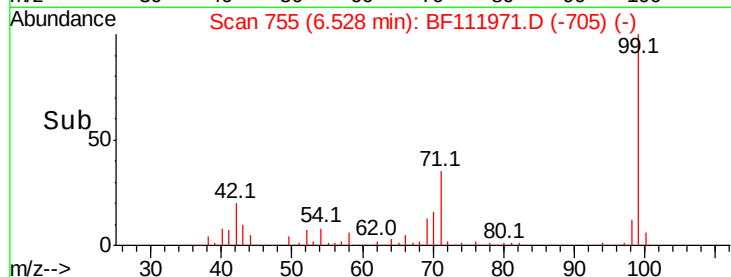


Abundance

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: 2.109 ng

RT: 6.54 min Scan# 757

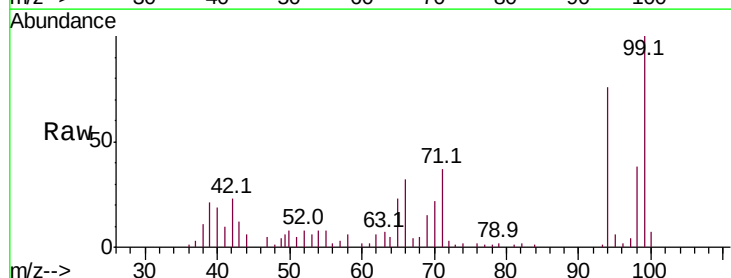
Delta R.T. -0.01 min

Lab File: BF111971.D

Acq: 10 Jan 2019 1:10

Tgt Ion: 94 Resp: 19859

Ion	Ratio	Lower	Upper
94	100		
65	30.8	22.8	62.8
66	42.8	43.3	83.3#

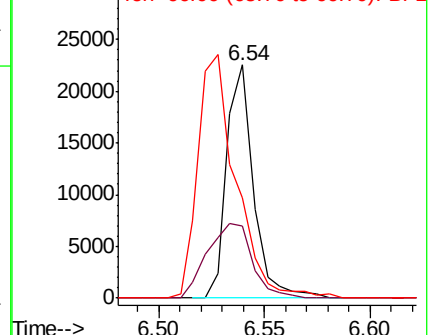
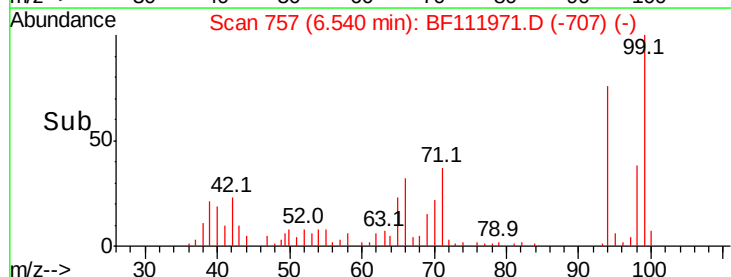


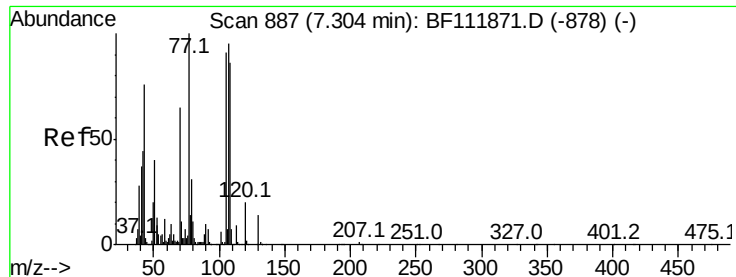
Abundance

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

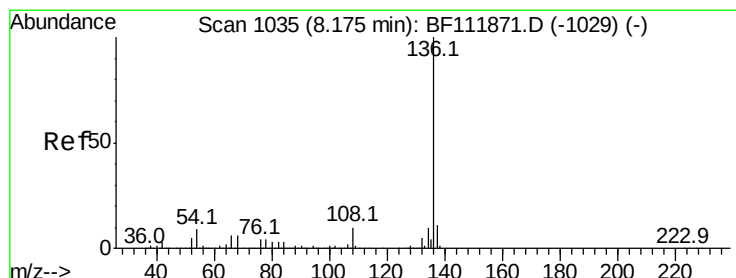
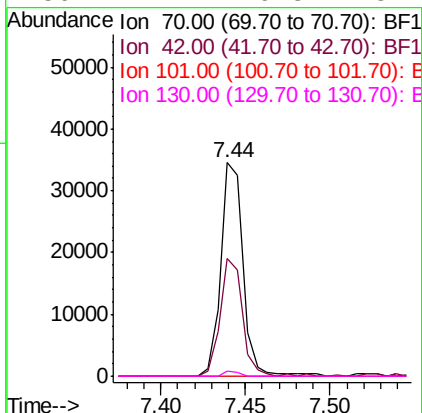
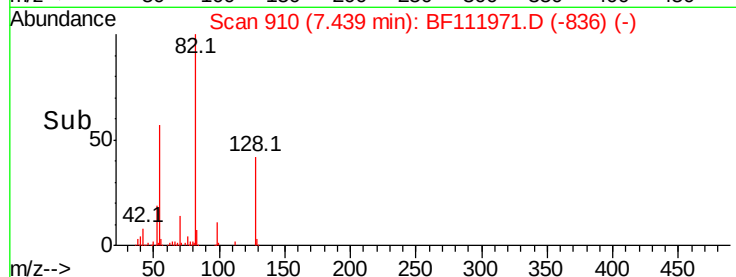
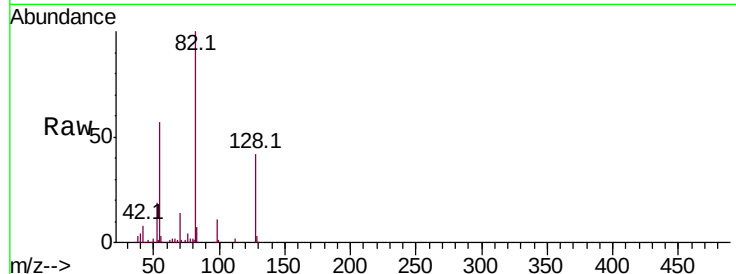




#19
n-Nitroso-di-n-propylamine
Concen: 5.655 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF111971.D
Acq: 10 Jan 2019 1:10

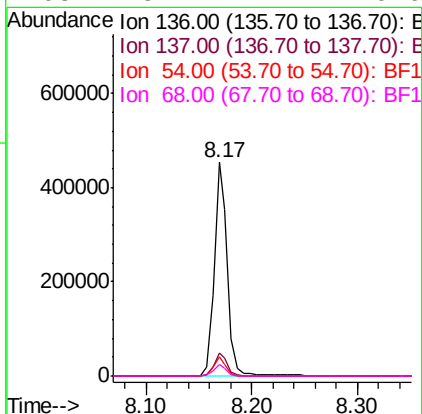
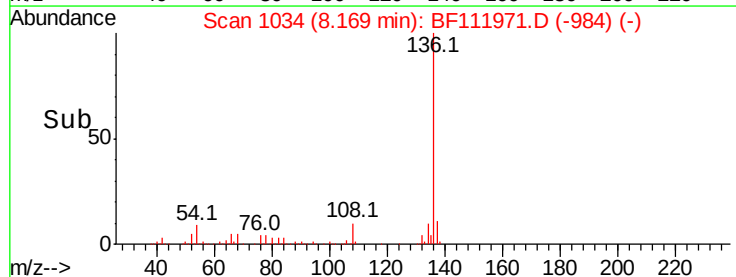
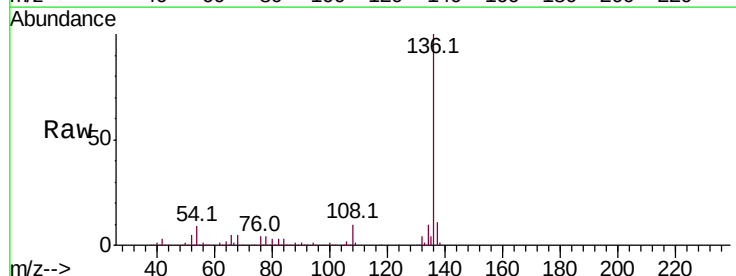
Instrument :
BNA_F
ClientSampleId :

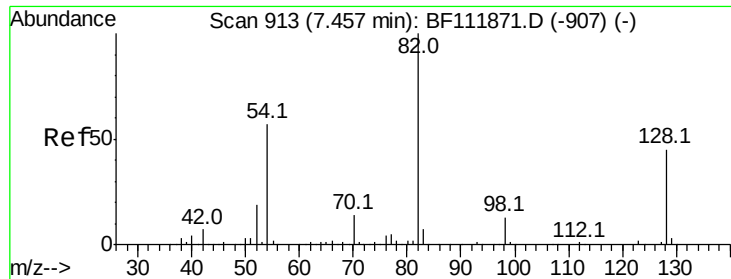
Tot Ion	Ratio	Lower	Upper
70	100		
42	55.3	53.6	80.4
101	0.0	7.3	10.9#
130	2.4	16.8	25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111971.D
Acq: 10 Jan 2019 1:10

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	9.2	7.2	10.8
68	5.4	4.4	6.6

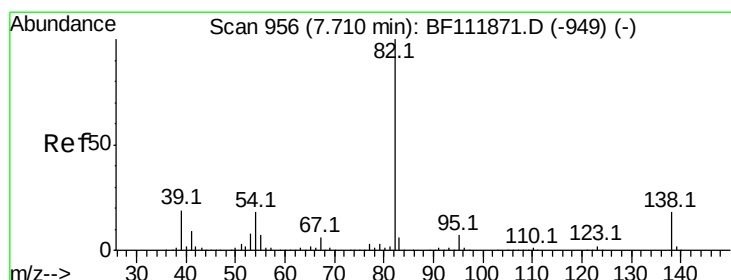
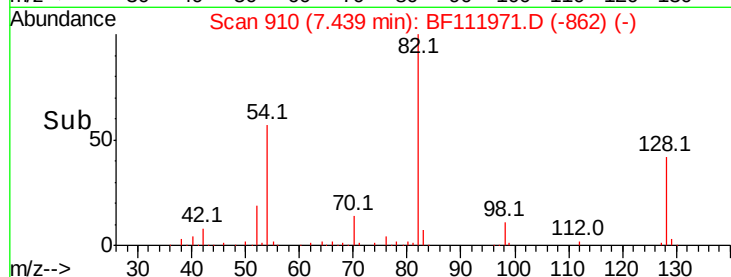
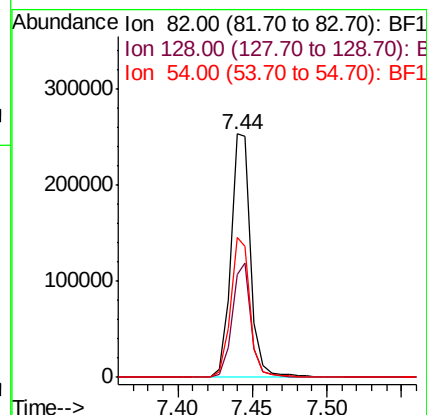
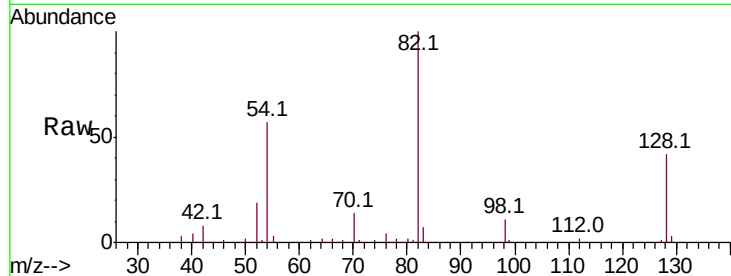




#23
 Nitrobenzene-d5
 Concen: 32.284 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF111971.D
 Acq: 10 Jan 2019 1:10

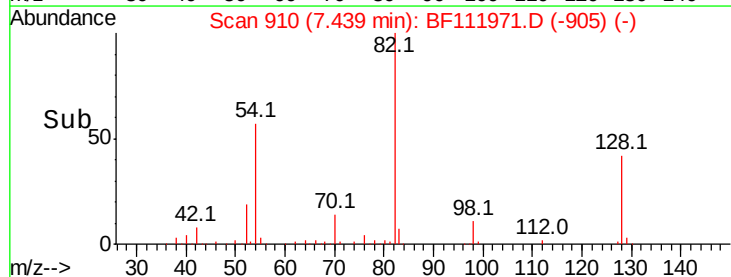
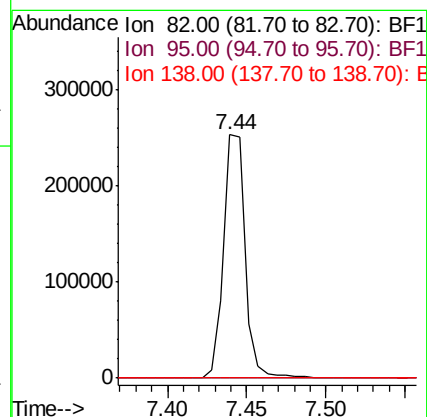
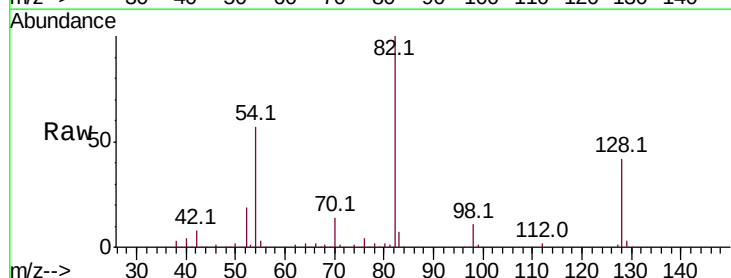
Instrument :
 BNA_F
 ClientSampleId :

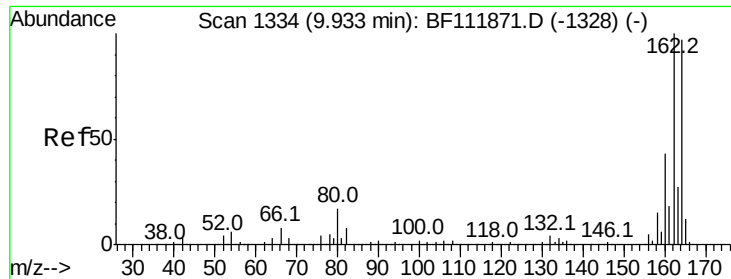
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.7	53.5
54	57.5	45.8	68.8



#25
 Isophorone
 Concen: 19.936 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.27 min
 Lab File: BF111971.D
 Acq: 10 Jan 2019 1:10

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.4	21.6#

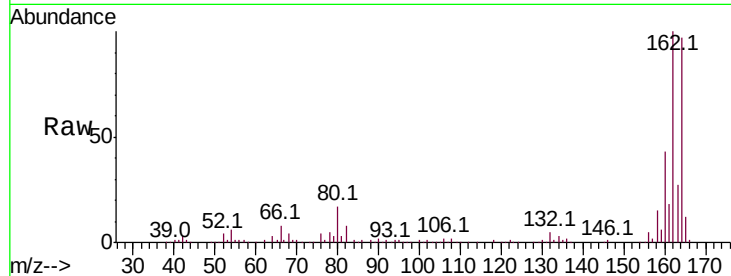




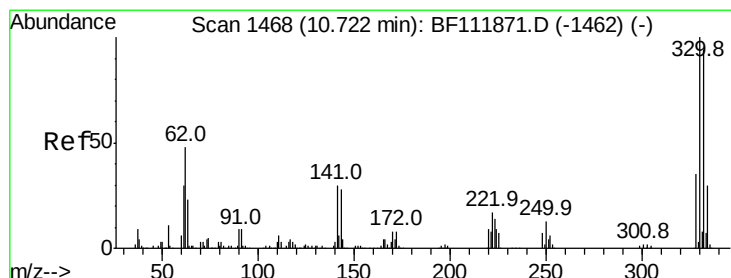
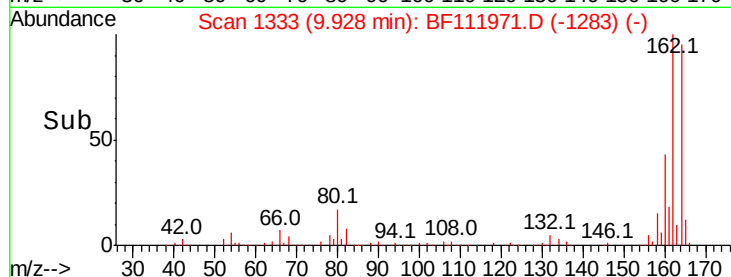
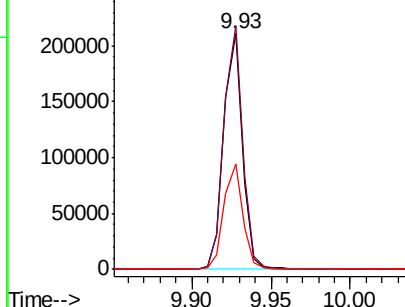
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111971.D
Acq: 10 Jan 2019 1:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 173002
Ion Ratio Lower Upper
164 100
162 103.4 82.2 123.2
160 44.8 35.5 53.3

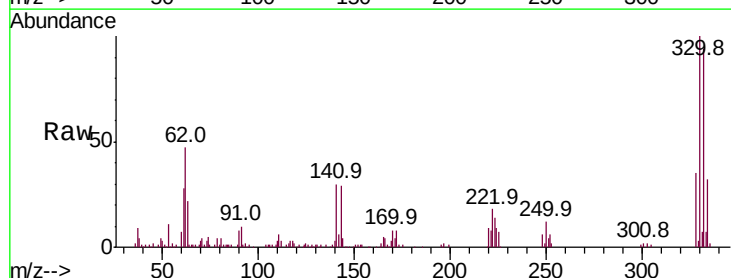


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

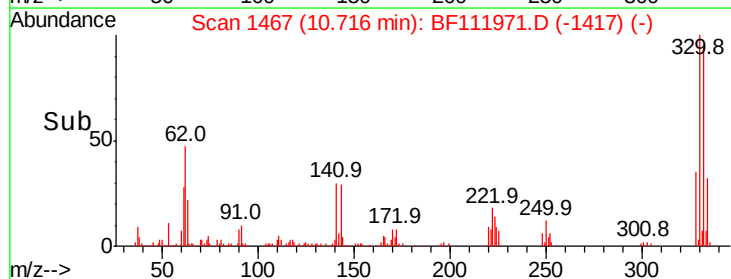
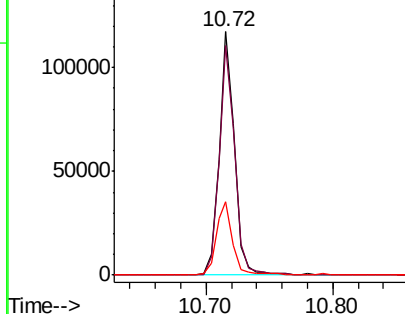


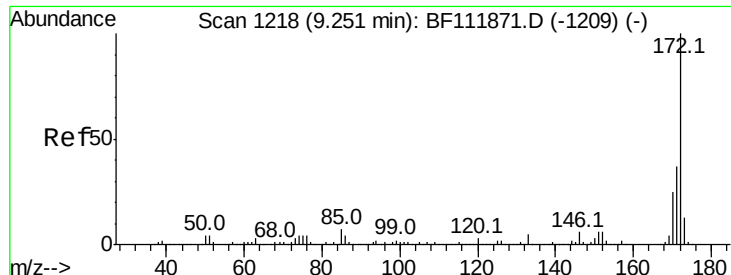
#42
2,4,6-Tribromophenol
Concen: 44.302 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111971.D
Acq: 10 Jan 2019 1:10

Tgt Ion:330 Resp: 99689
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 32.1 23.7 35.5



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

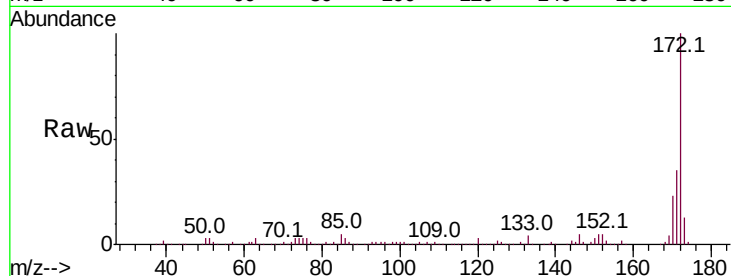




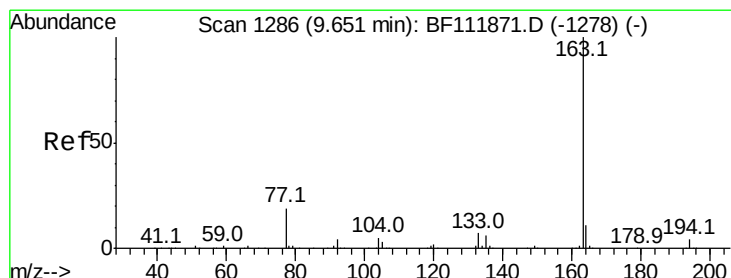
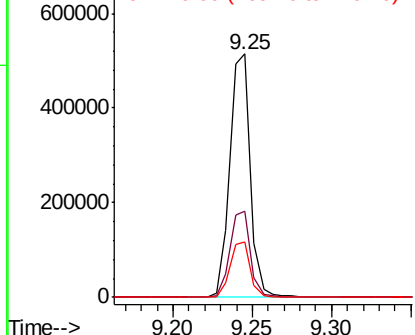
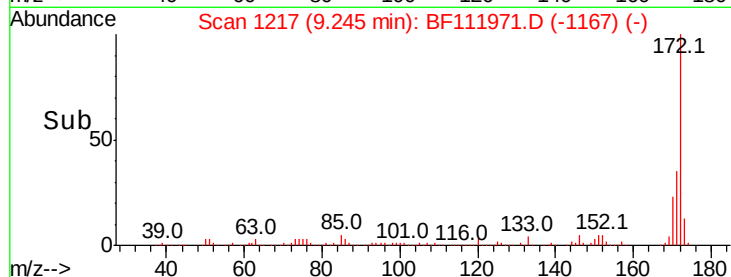
#45
 2-Fluorobiphenyl
 Concen: 39.054 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111971.D
 Acq: 10 Jan 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	22.6	19.8	29.8

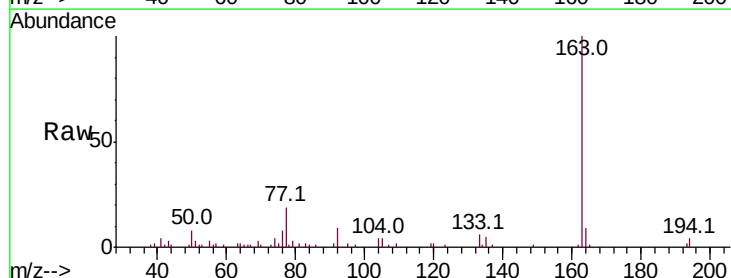


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

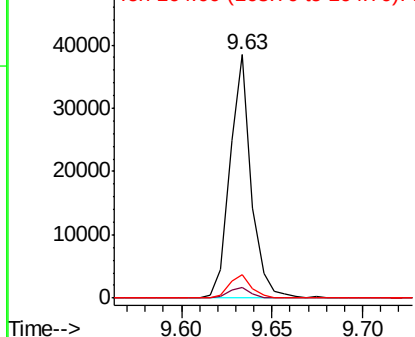
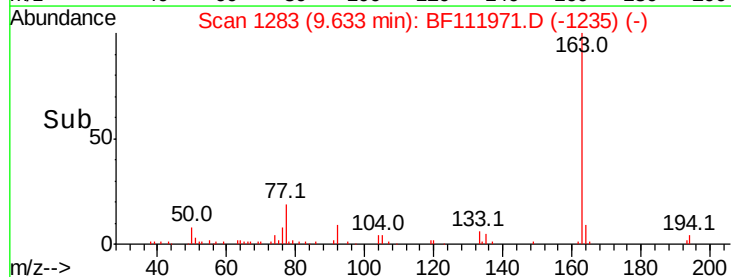


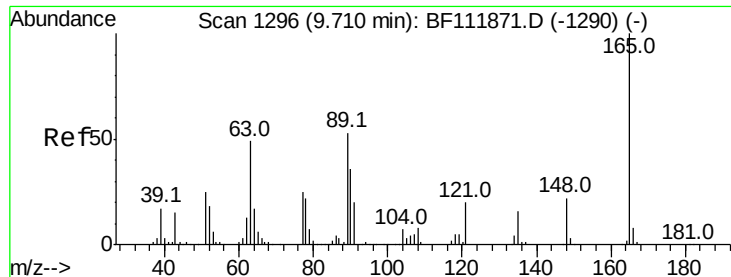
#50
 Dimethylphthalate
 Concen: 2.410 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.02 min
 Lab File: BF111971.D
 Acq: 10 Jan 2019 1:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	9.4	8.5	12.7



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

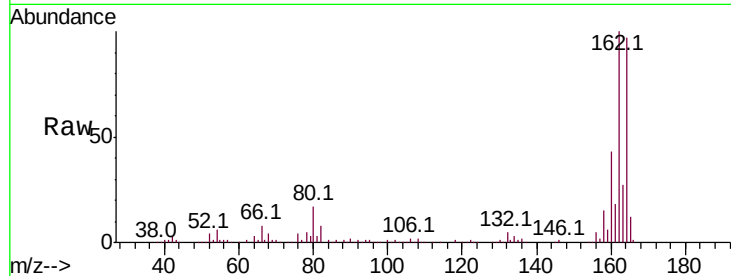




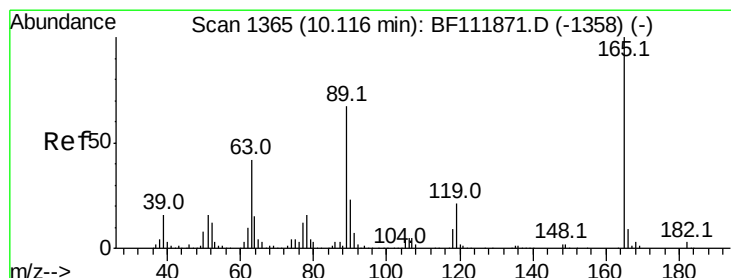
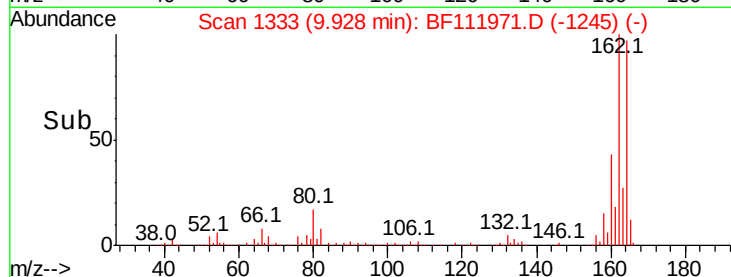
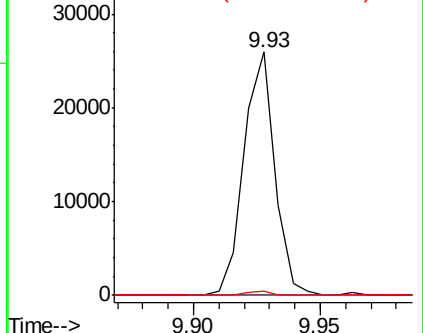
#51
 2,6-Dinitrotoluene
 Concen: 7.578 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF111971.D
 Acq: 10 Jan 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.2	69.2#
89	2.0	42.2	63.2#



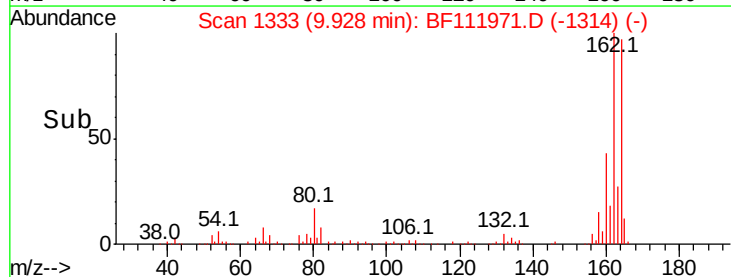
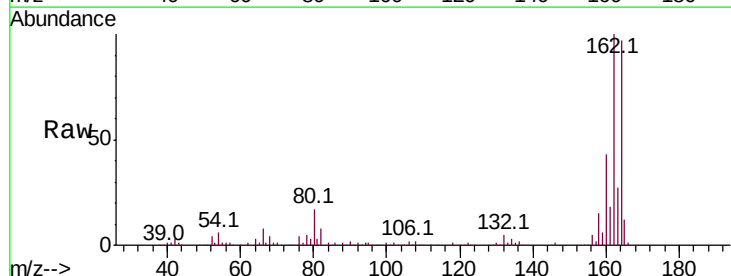
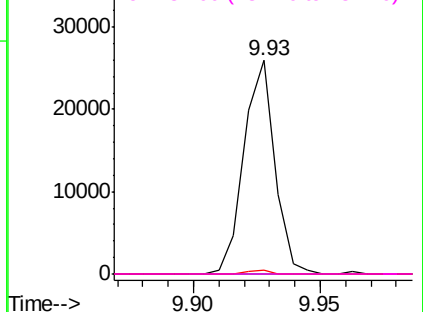
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

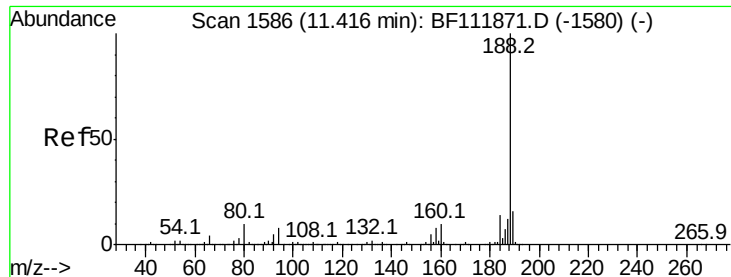


#57
 2,4-Dinitrotoluene
 Concen: 5.865 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF111971.D
 Acq: 10 Jan 2019 1:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.1	51.1#
89	2.0	53.5	80.3#
182	0.0	2.0	3.0#

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
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111971.D

Acq: 10 Jan 2019 1:10

Instrument :

BNA_F

ClientSampleId :

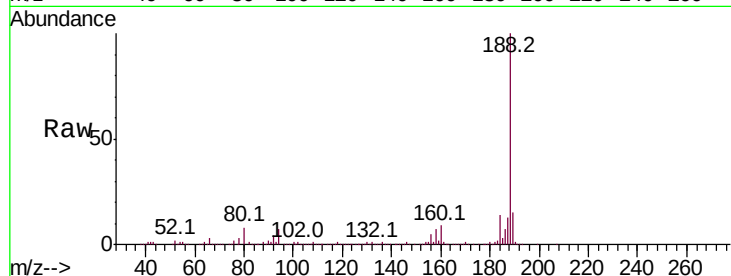
Tot Ion:188 Resp: 321667

Ion Ratio Lower Upper

188 100

94 7.2 6.6 10.0

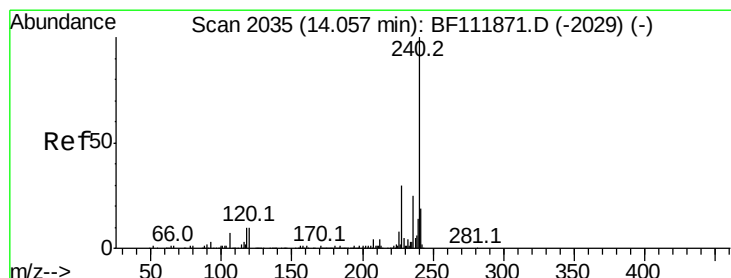
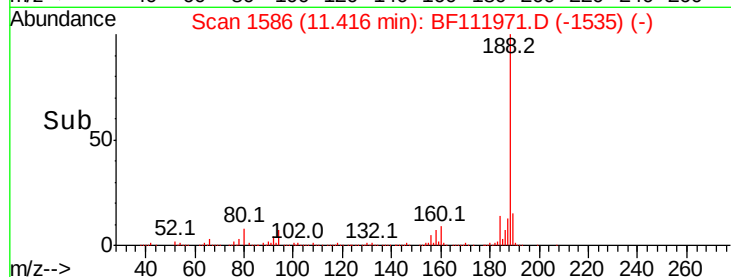
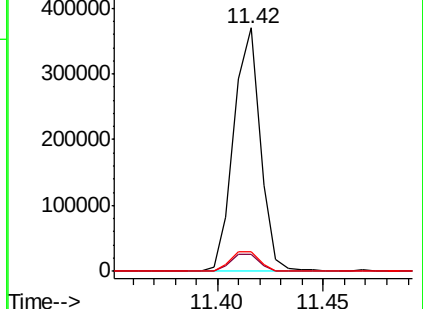
80 8.3 7.7 11.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF111971.D

Acq: 10 Jan 2019 1:10

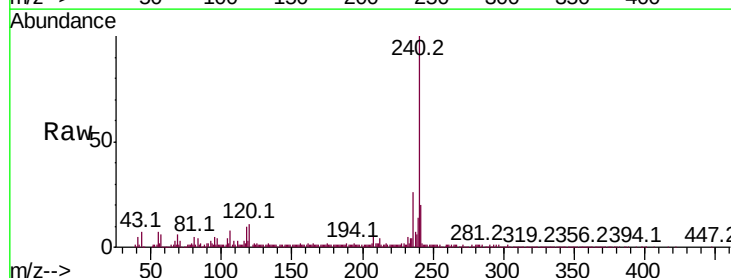
Tgt Ion:240 Resp: 192811

Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

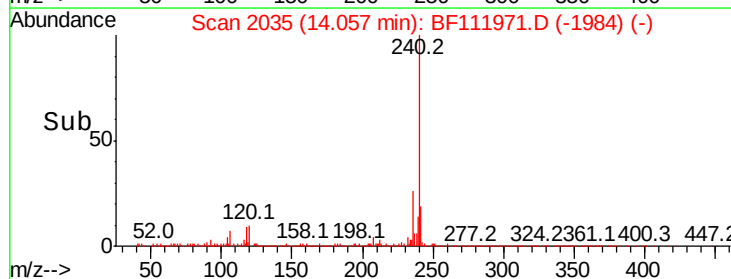
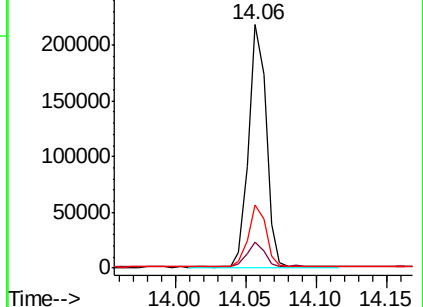
236 26.0 20.2 30.4

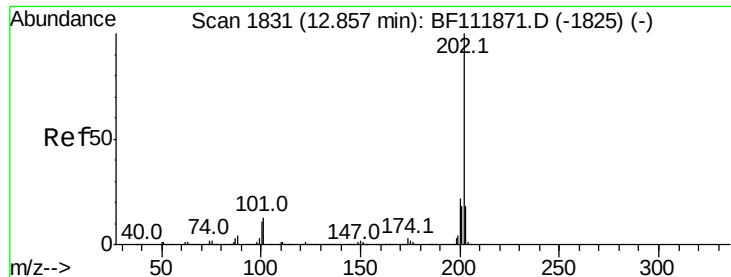


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.777 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF111971.D

Acq: 10 Jan 2019 1:10

Instrument :

BNA_F

ClientSampleId :

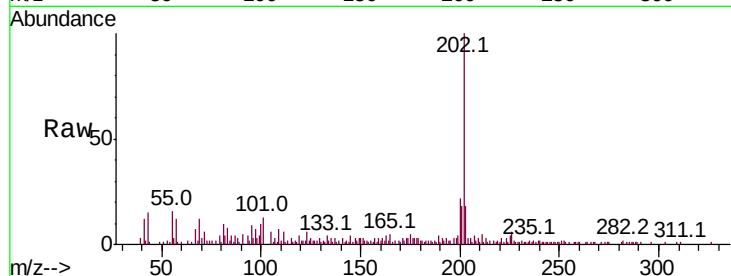
Tot Ion:202 Resp: 36838

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

203 18.4 14.6 21.8

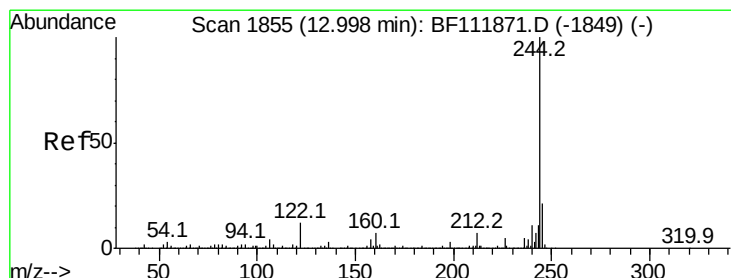
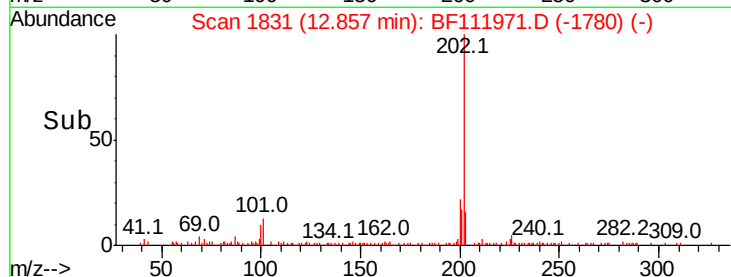
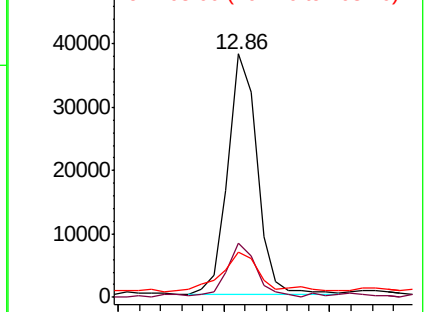


Abundance

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: 39.341 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111971.D

Acq: 10 Jan 2019 1:10

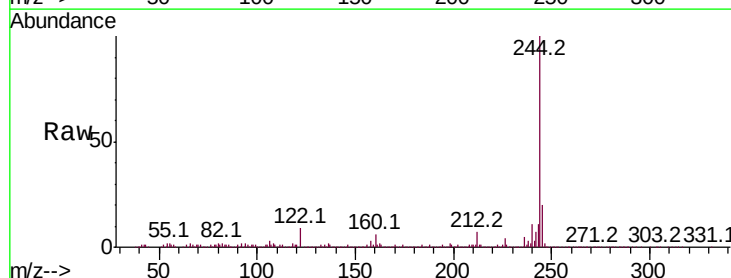
Tgt Ion:244 Resp: 399602

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

122 9.3 9.5 14.3#

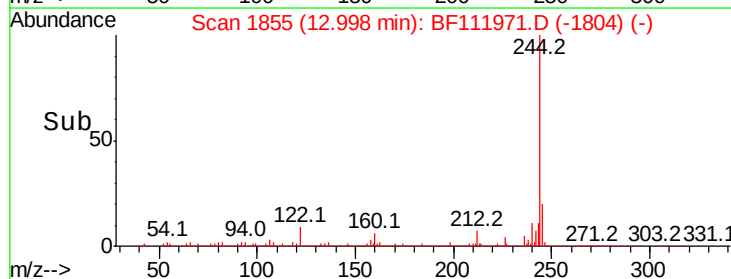
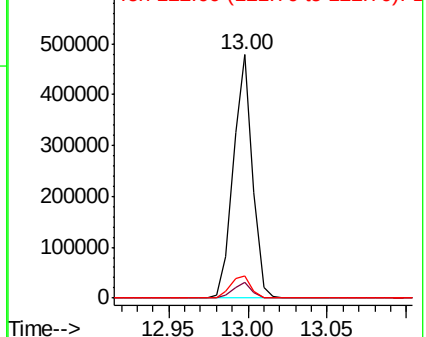


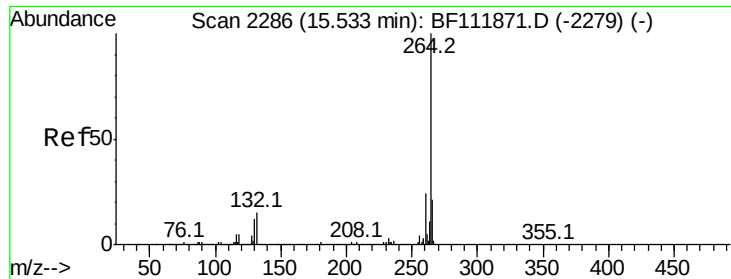
Abundance

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: 15.56 min Scan# 2290

Delta R.T. 0.02 min

Lab File: BF111971.D

Acq: 10 Jan 2019 1:10

Instrument :

BNA_F

ClientSampleId :

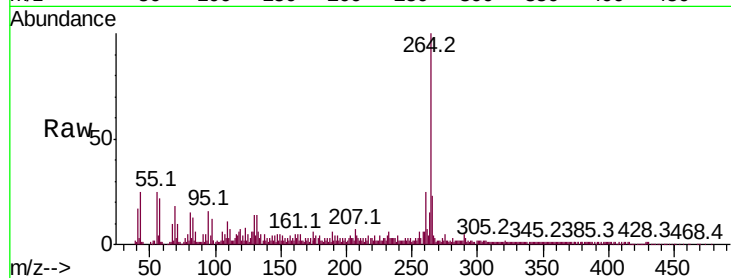
Tot Ion:264 Resp: 157189

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

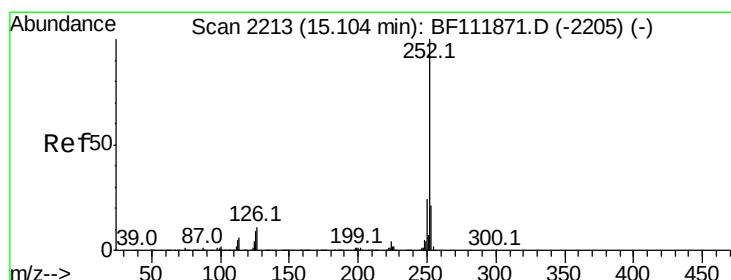
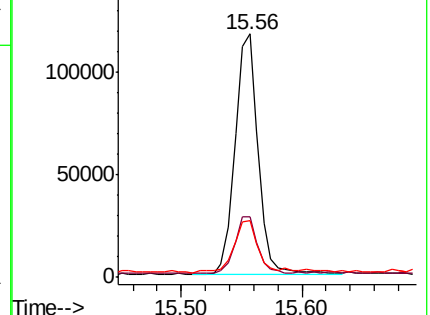
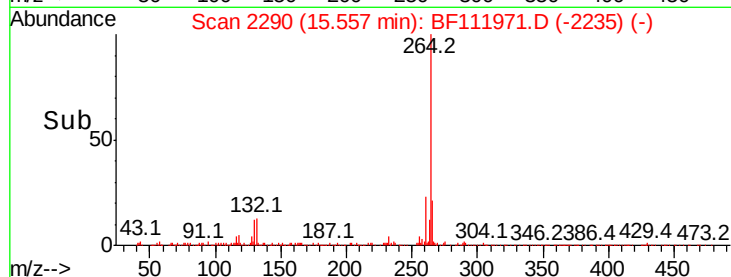
265 23.1 17.1 25.7



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: 2.420 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BF111971.D

Acq: 10 Jan 2019 1:10

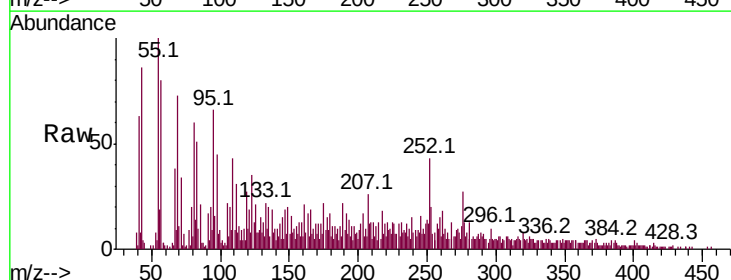
Tgt Ion:252 Resp: 22751

Ion Ratio Lower Upper

252 100

253 45.8 17.0 25.6#

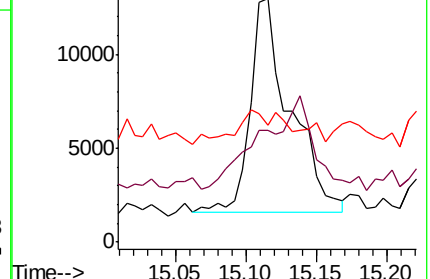
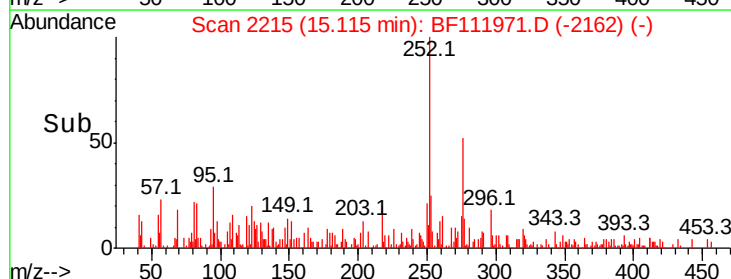
125 48.0 7.1 10.7#

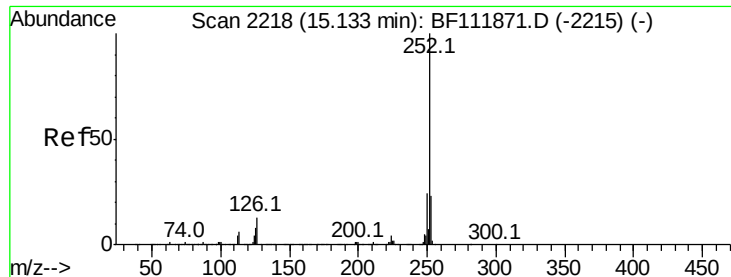


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.574 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF111971.D

Acq: 10 Jan 2019 1:10

Instrument :

BNA_F

ClientSampleId :

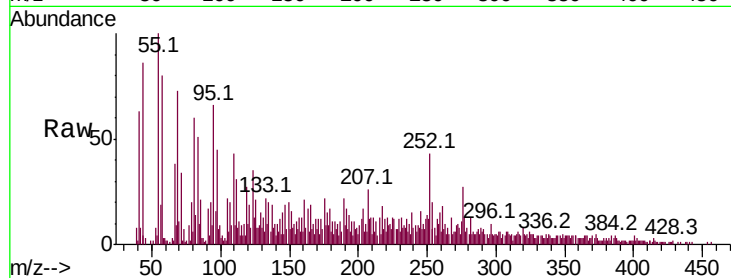
Tot Ion: 252 Resp: 22751

Ion Ratio Lower Upper

252 100

253 45.8 17.8 26.6#

125 48.0 7.0 10.4#



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

