

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109240.D
 Acq On : 22 Sep 2018 23:43
 Operator : JU/SJ
 Sample : J5021-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:51:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	108053	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	402217	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	170598	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	259078	20.00	ng	0.00
75) Chrysene-d12	13.84	240	214752	20.00	ng	0.00
86) Perylene-d12	15.24	264	166011	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	534792	81.52	ng	0.00
7) Phenol-d6	6.35	99	675812	80.73	ng	-0.01
23) Nitrobenzene-d5	7.27	82	413412	60.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	121905	72.49	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	543827	48.08	ng	-0.01
78) Terphenyl-d14	12.79	244	377597	43.15	ng	-0.01

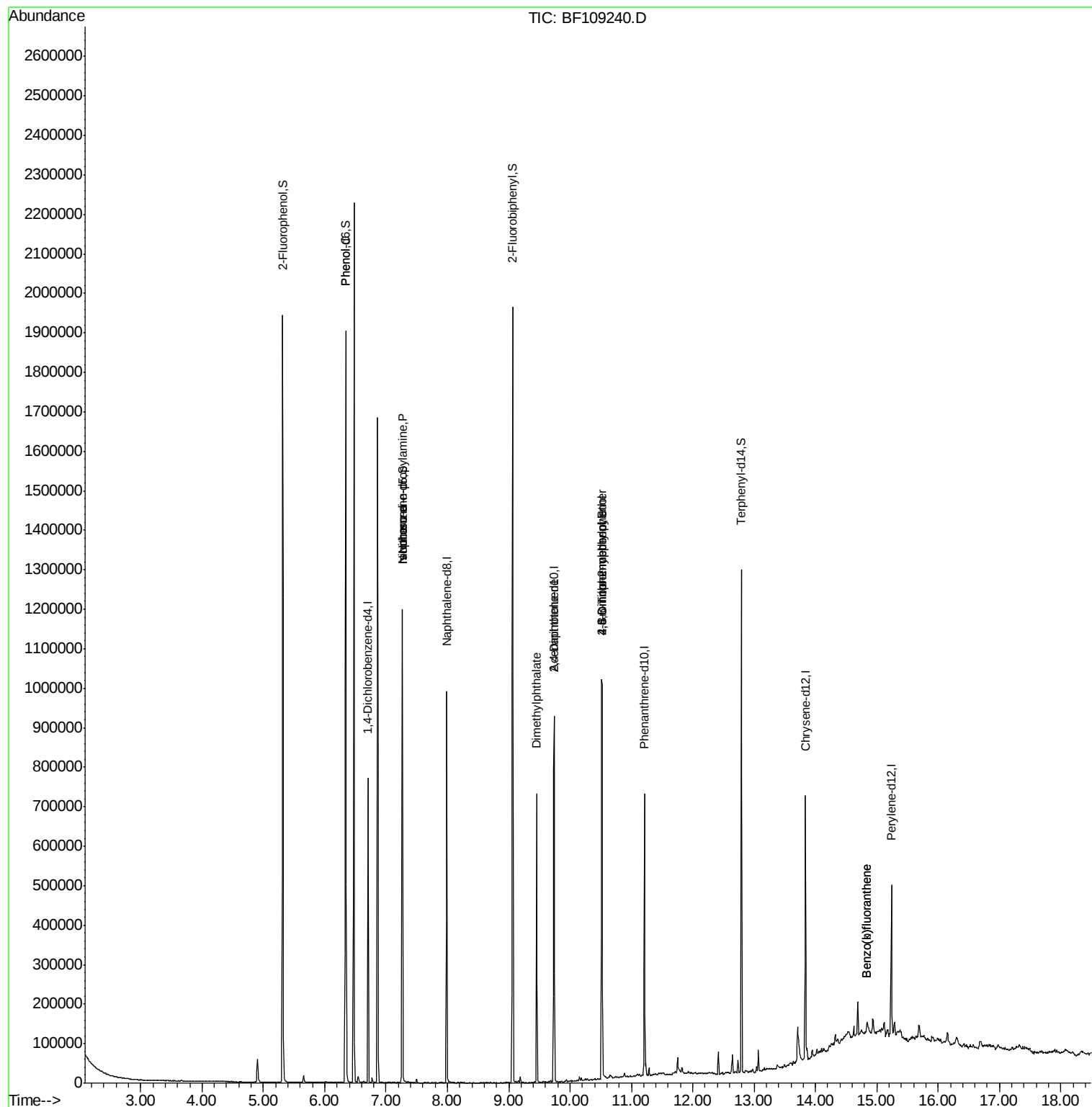
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.35	94	30222	3.188	ng	82
19) n-Nitroso-di-n-propylamine	7.26	70	56218	10.249	ng	# 77
25) Isophorone	7.27	82	390187	31.801	ng	# 64
49) Dimethylphthalate	9.46	163	249115	20.077	ng	99
56) 2,4-Dinitrotoluene	9.74	165	21907	7.045	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	123	6.622	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7484	2.601	ng	# 1
87) Benzo(b)fluoranthene	14.84	252	18520	2.030	ng	# 79
88) Benzo(k)fluoranthene	14.84	252	18520	2.140	ng	# 82

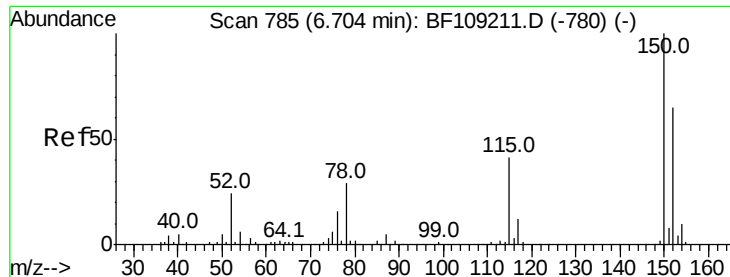
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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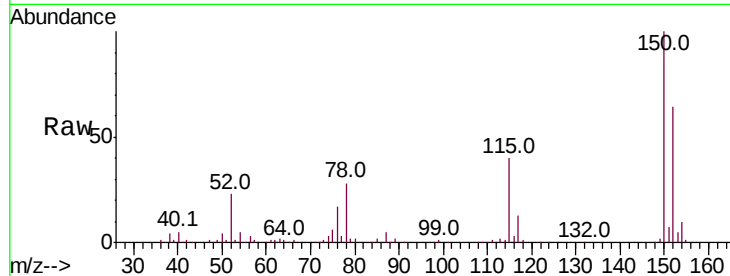


#1

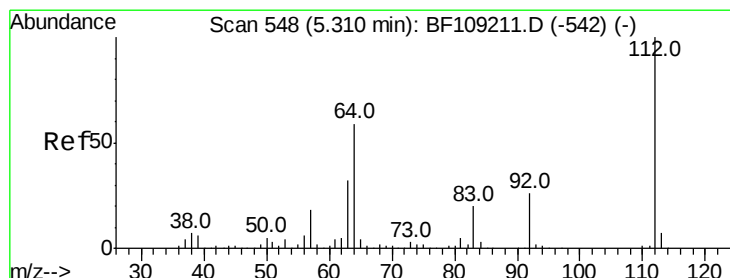
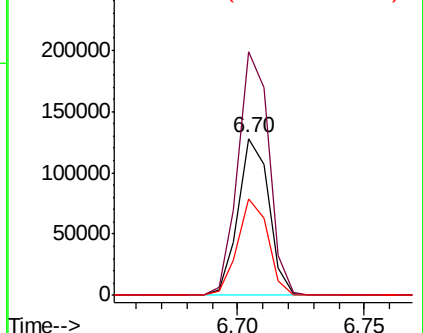
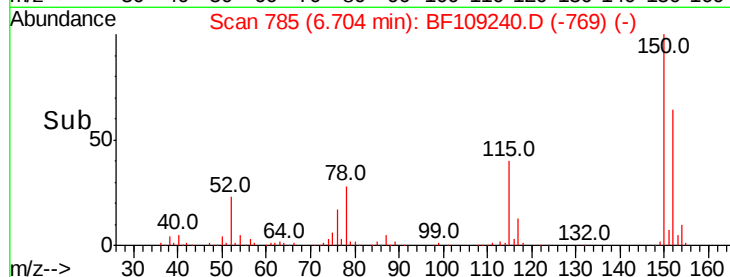
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109240.D
Acq: 22 Sep 2018 23:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108053
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 61.8 50.1 75.1



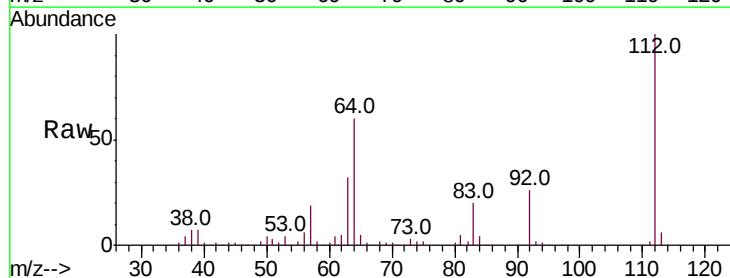
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



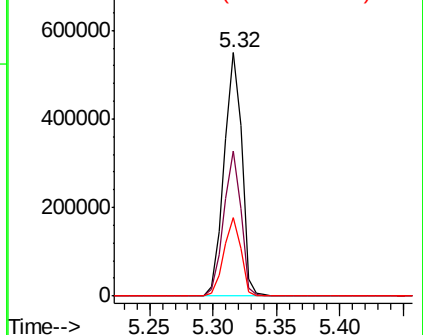
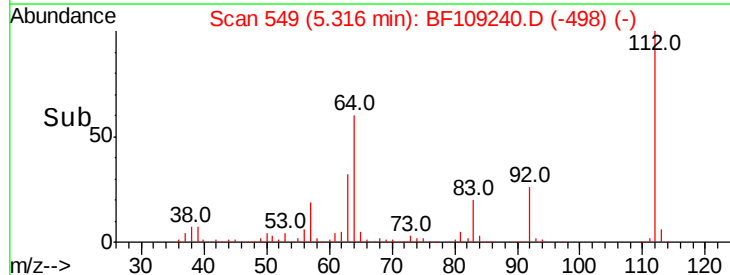
#5

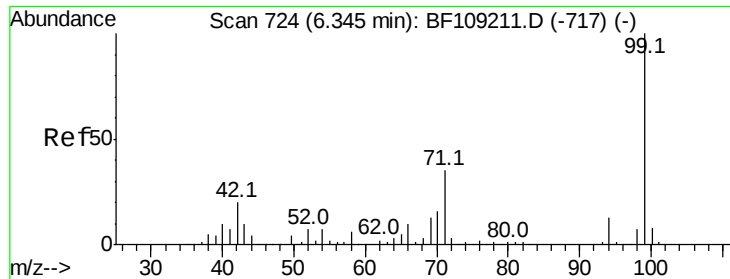
2-Fluorophenol
Concen: 81.520 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109240.D
Acq: 22 Sep 2018 23:43

Tgt Ion:112 Resp: 534792
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 32.2 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: 80.731 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109240.D

Acq: 22 Sep 2018 23:43

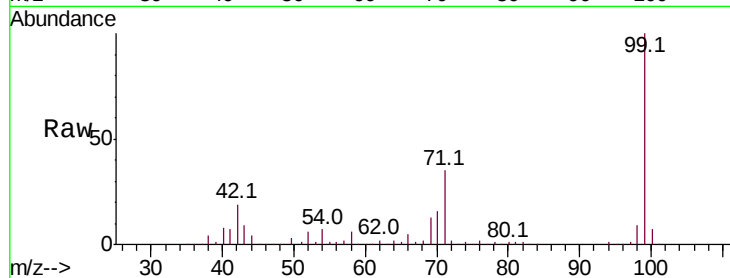
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 675812

Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.5	21.7
71	34.7	25.4	38.0

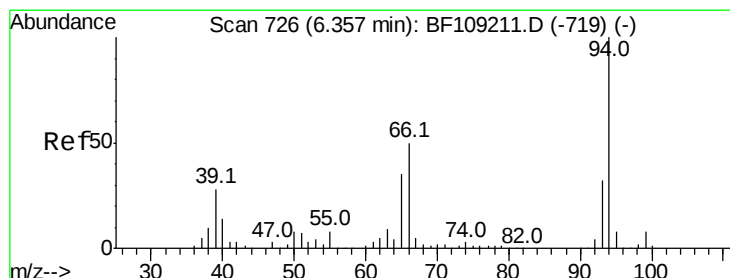
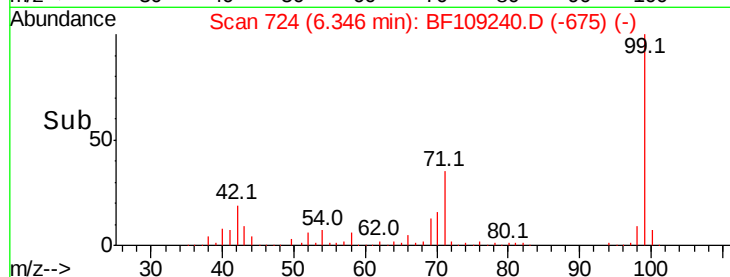
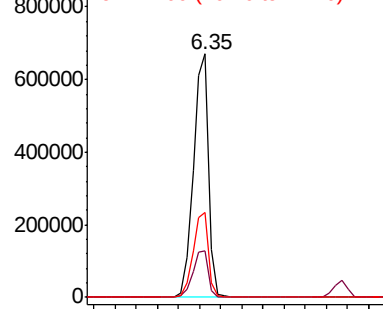


Abundance

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: 3.188 ng

RT: 6.35 min Scan# 725

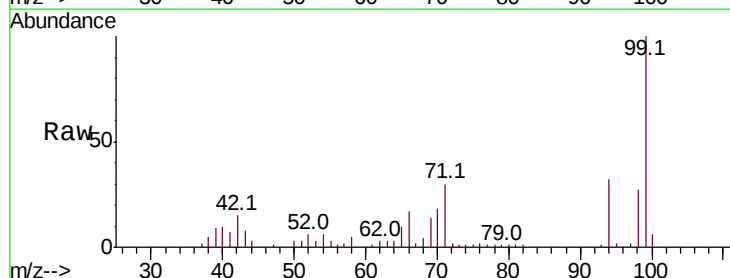
Delta R.T. -0.02 min

Lab File: BF109240.D

Acq: 22 Sep 2018 23:43

Tgt Ion: 94 Resp: 30222

Ion	Ratio	Lower	Upper
94	100		
65	32.0	7.9	47.9
66	51.9	16.2	56.2

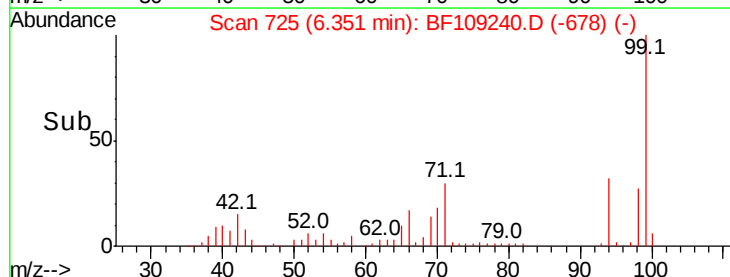
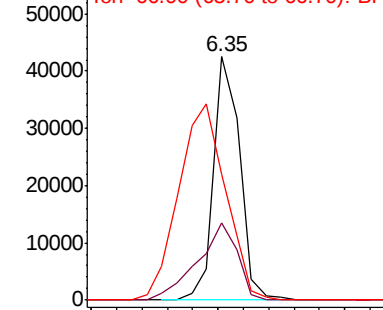


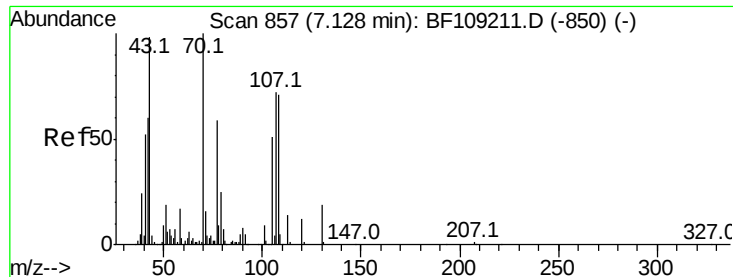
Abundance

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

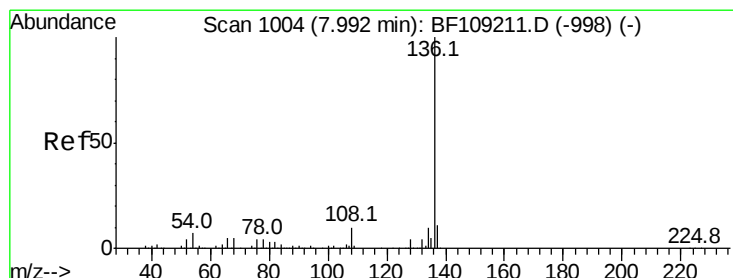
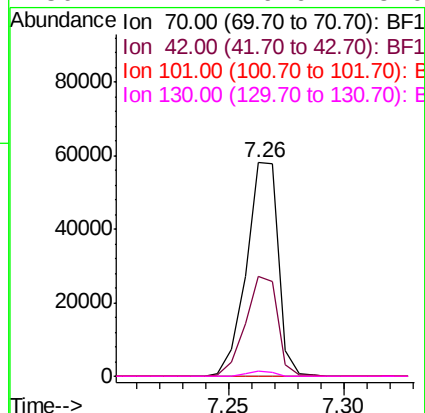
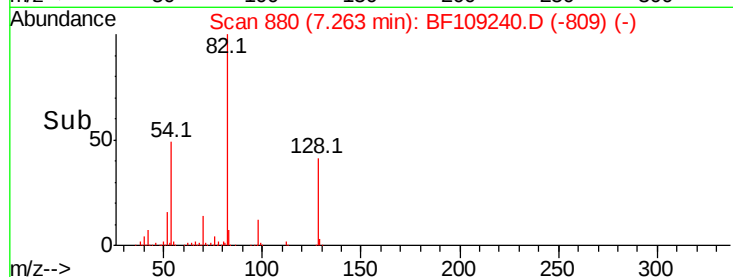
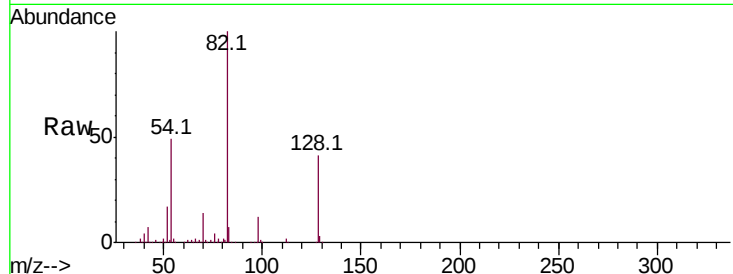




#19
n-Nitroso-di-n-propylamine
Concen: 10.249 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109240.D
Acq: 22 Sep 2018 23:43

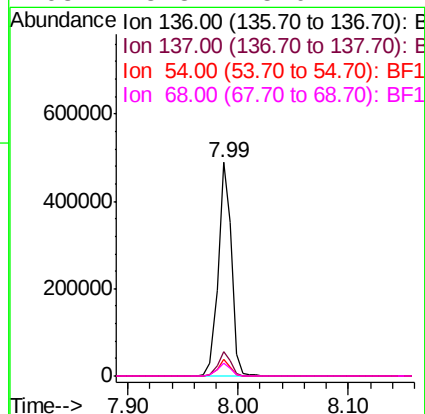
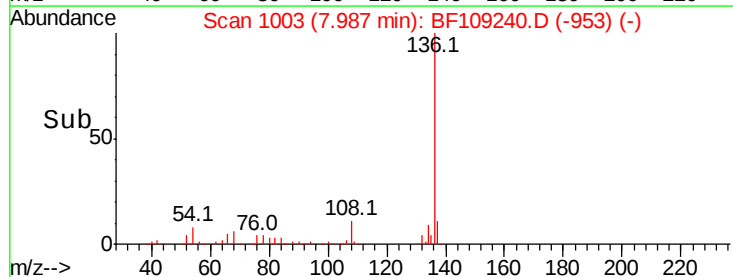
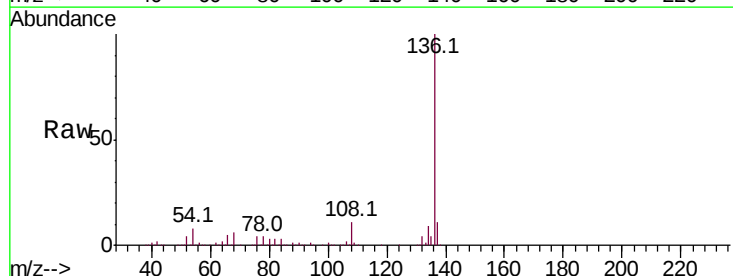
Instrument :
BNA_F
ClientSampleId :

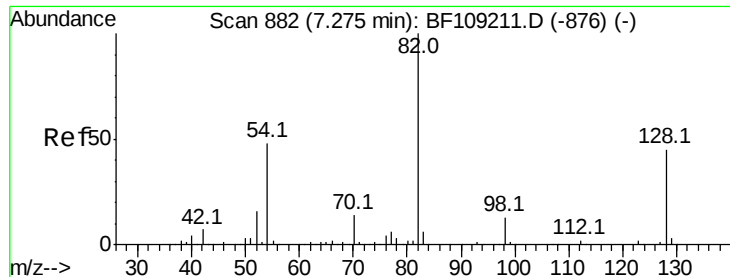
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	46.9	47.5	71.3#	
101	0.0	7.4	11.2#	
130	2.1	16.6	25.0#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109240.D
Acq: 22 Sep 2018 23:43

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	7.6	6.6	9.8	
68	5.8	5.0	7.4	

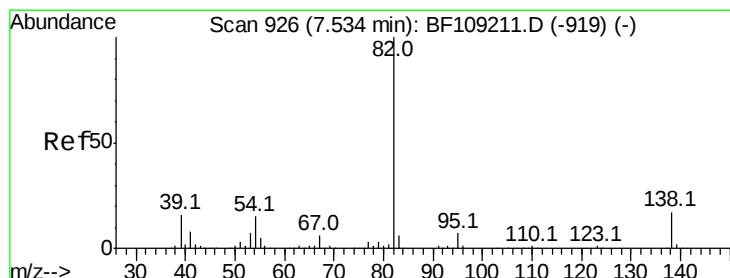
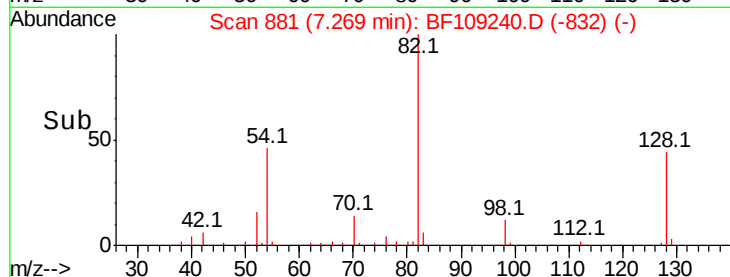
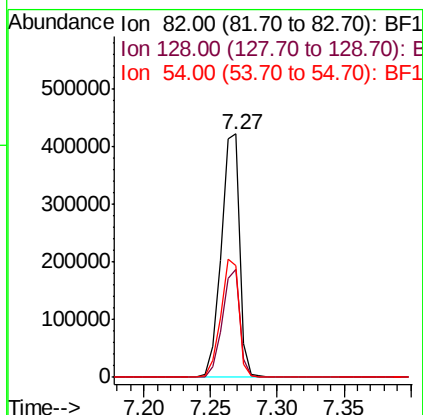
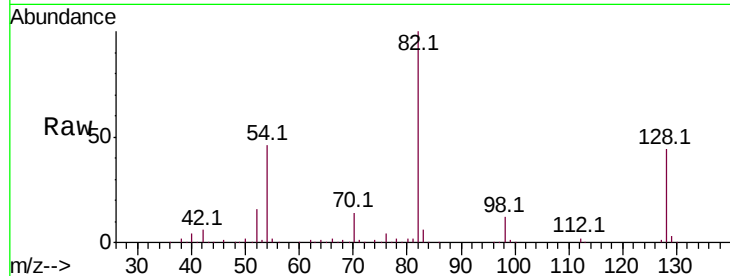




#23
 Nitrobenzene-d5
 Concen: 60.675 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109240.D
 Acq: 22 Sep 2018 23:43

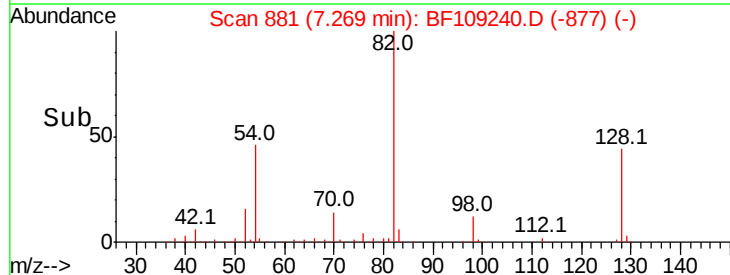
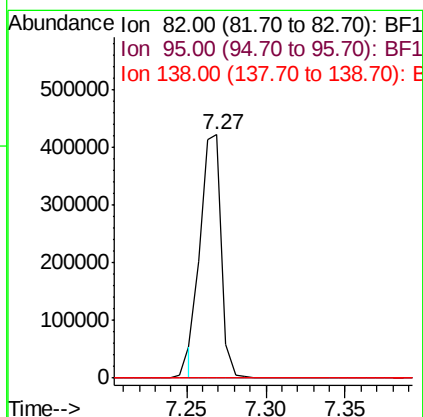
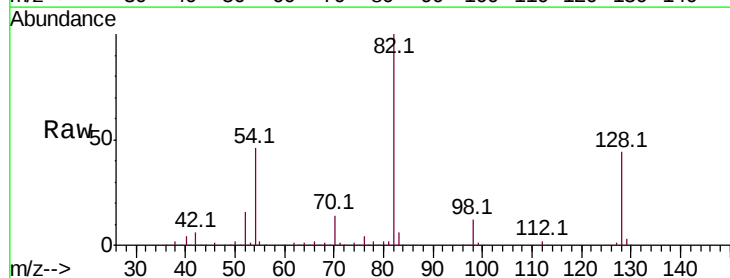
Instrument :
 BNA_F
 ClientSampleId :

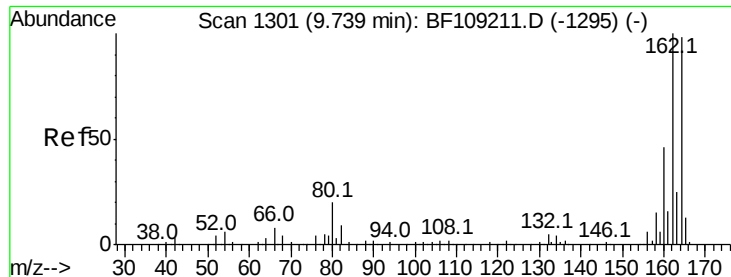
Tot Ion: 82 Resp: 413412
 Ion Ratio Lower Upper
 82 100
 128 44.3 36.1 54.1
 54 46.0 41.4 62.2



#25
 Isophorone
 Concen: 31.801 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF109240.D
 Acq: 22 Sep 2018 23:43

Tgt Ion: 82 Resp: 390187
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

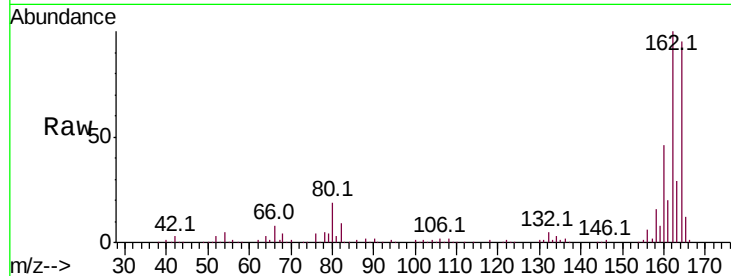




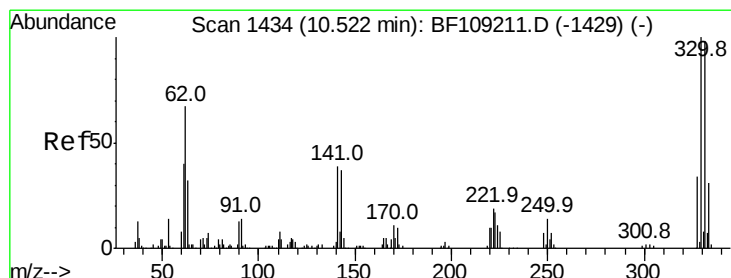
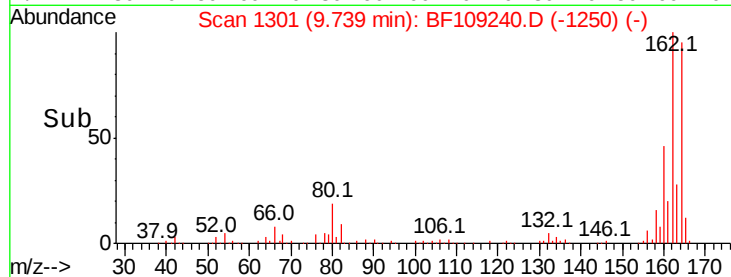
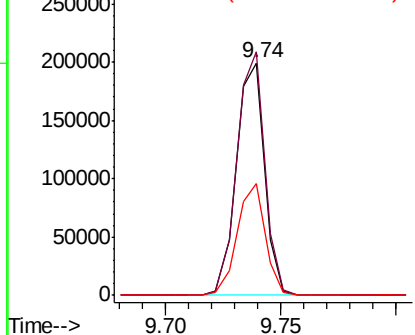
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109240.D
 Acq: 22 Sep 2018 23:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 170598
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 48.3 38.3 57.5

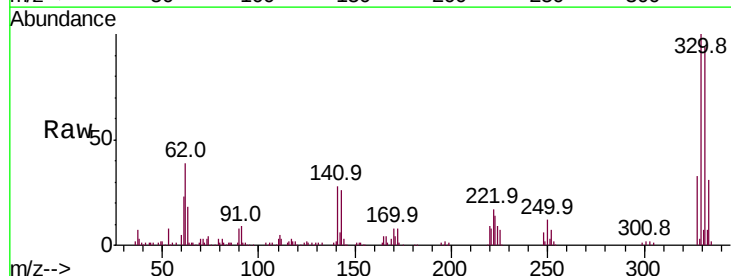


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

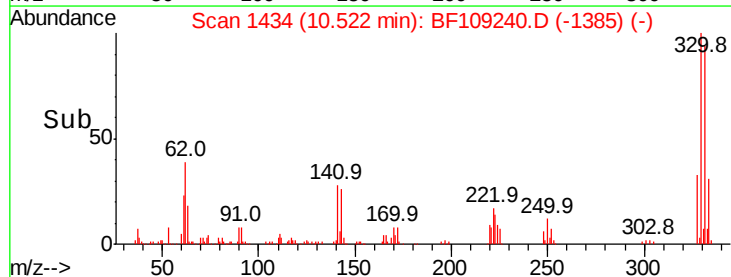
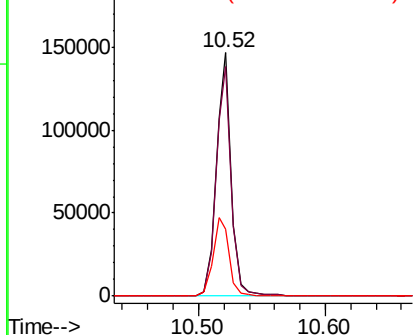


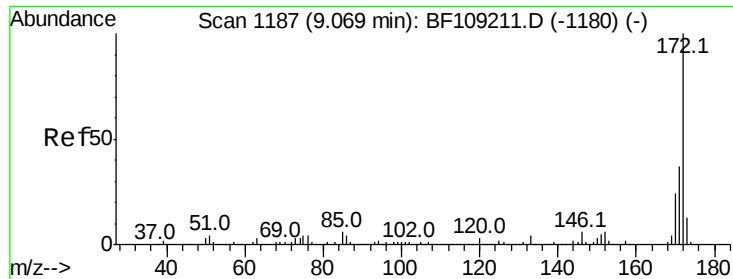
#41
 2,4,6-Tribromophenol
 Concen: 72.487 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109240.D
 Acq: 22 Sep 2018 23:43

Tgt Ion:330 Resp: 121905
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 34.9 29.9 44.9



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

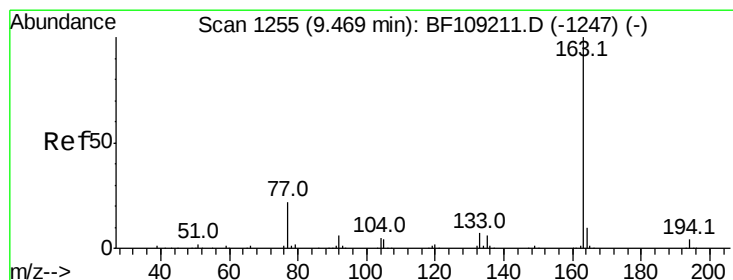
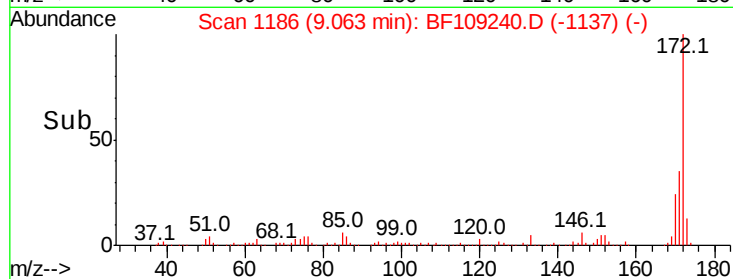
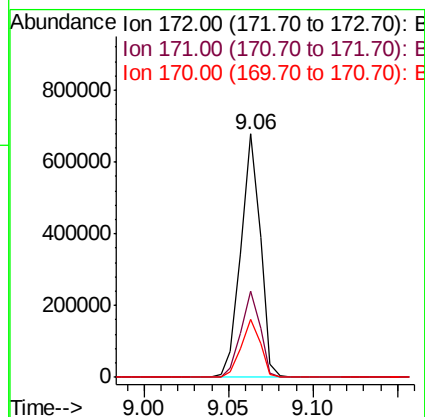
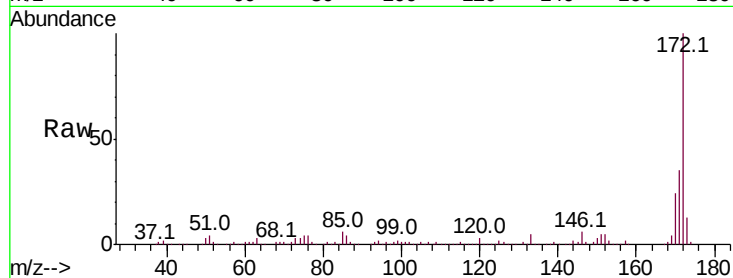




#44
2-Fluorobiphenyl
Concen: 48.078 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109240.D
Acq: 22 Sep 2018 23:43

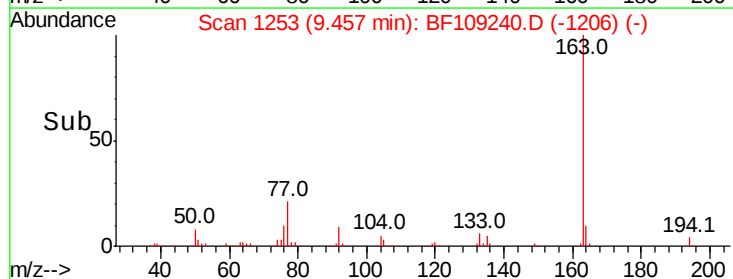
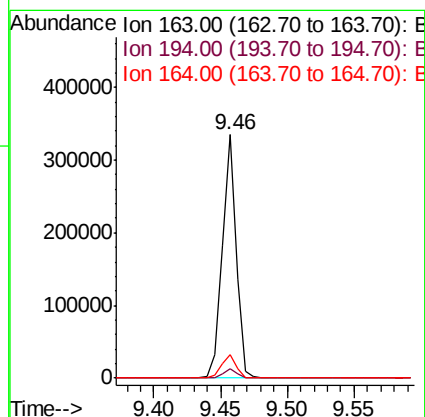
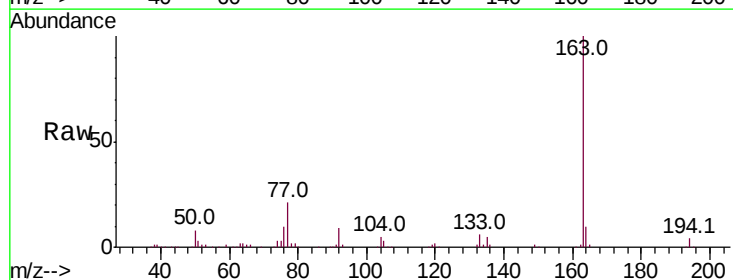
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BNA_F
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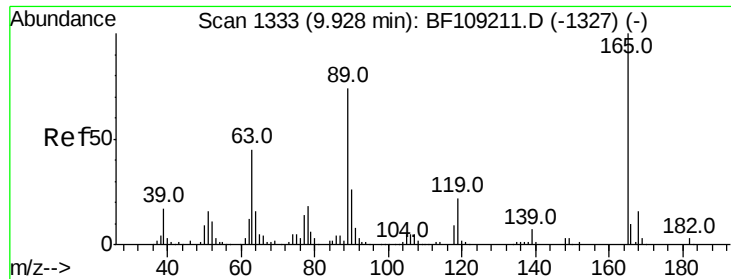
Tot Ion:172 Resp: 543827
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 23.8 19.6 29.4



#49
Dimethylphthalate
Concen: 20.077 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109240.D
Acq: 22 Sep 2018 23:43

Tgt Ion:163 Resp: 249115
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.8 8.2 12.2

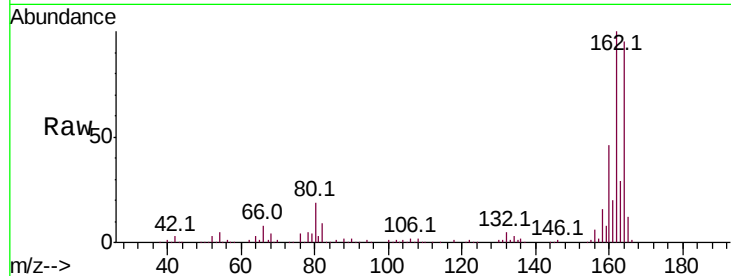




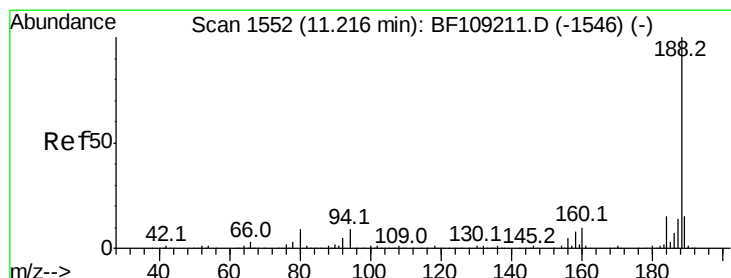
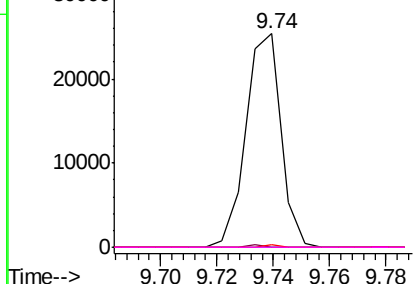
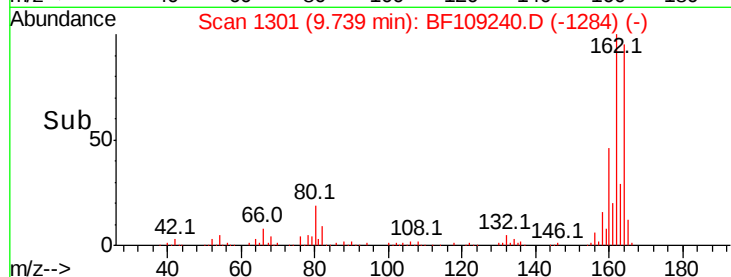
#56
 2,4-Dinitrotoluene
 Concen: 7.045 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109240.D
 Acq: 22 Sep 2018 23:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	21907
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#

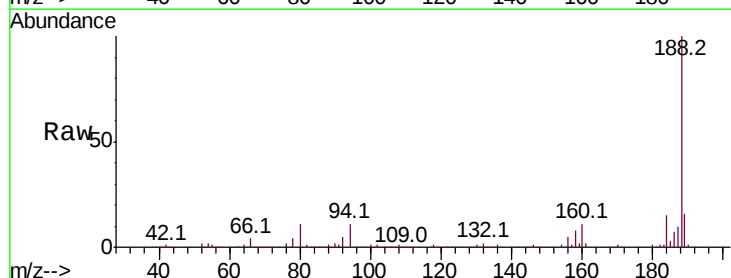


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

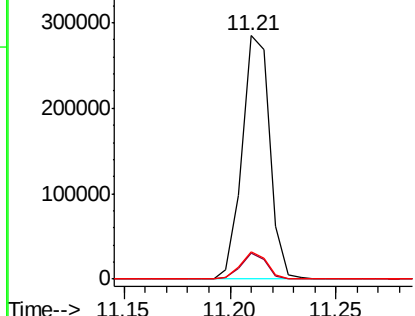
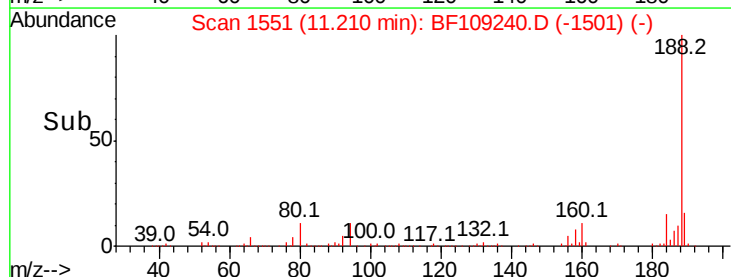


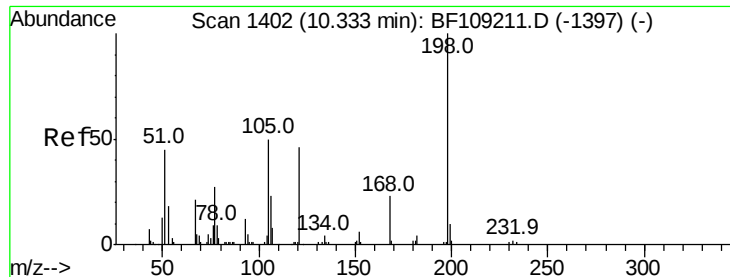
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109240.D
 Acq: 22 Sep 2018 23:43

Tgt Ion:188	Resp:	259078
Ion Ratio	Lower	Upper
188	100	
94	10.5	8.5 12.7
80	11.4	9.2 13.8



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

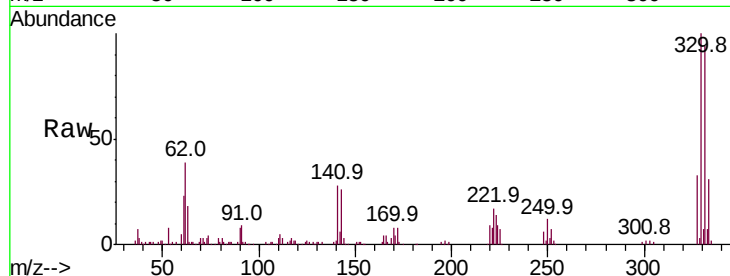




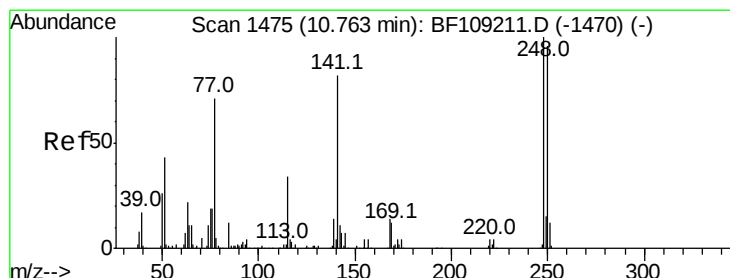
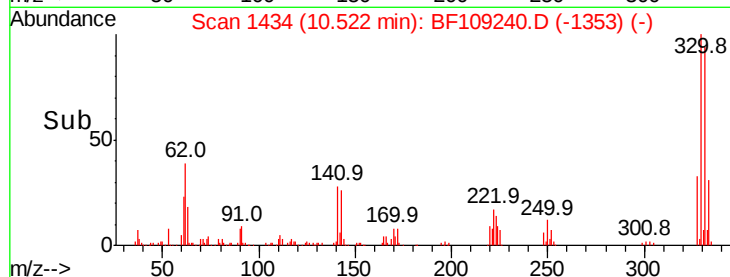
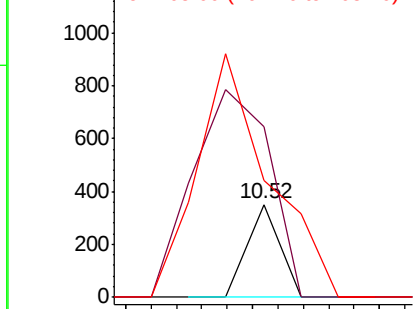
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.622 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109240.D
 Acq: 22 Sep 2018 23:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 123
 Ion Ratio Lower Upper
 198 100
 51 184.9 37.7 77.7#
 105 126.6 36.3 76.3#

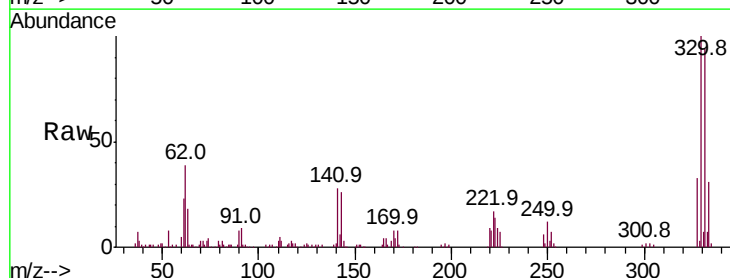


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

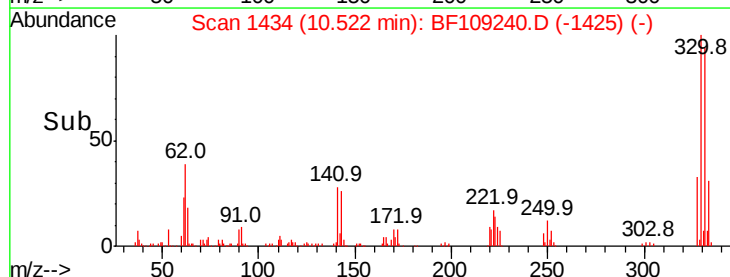
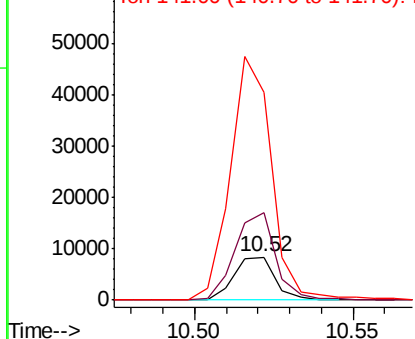


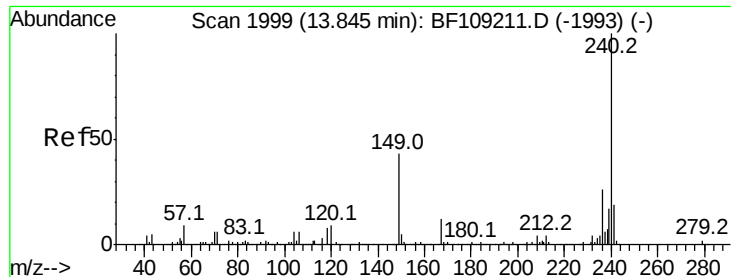
#66
 4-Bromophenyl-phenylether
 Concen: 2.601 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109240.D
 Acq: 22 Sep 2018 23:43

Tgt Ion:248 Resp: 7484
 Ion Ratio Lower Upper
 248 100
 250 205.8 76.9 115.3#
 141 487.8 74.4 111.6#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109240.D

Acq: 22 Sep 2018 23:43

Instrument :

BNA_F

ClientSampleId :

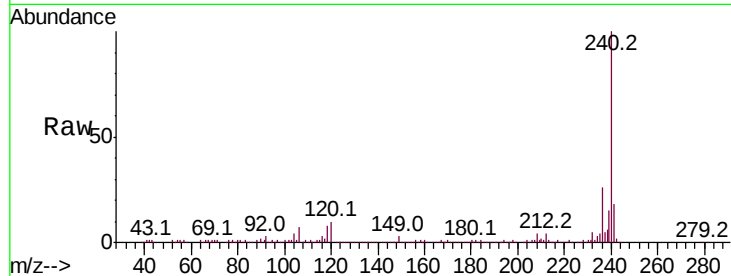
Tot Ion:240 Resp: 214752

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

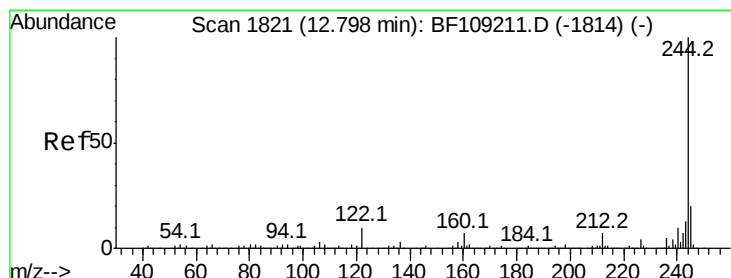
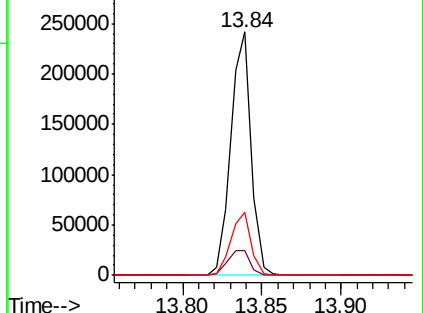
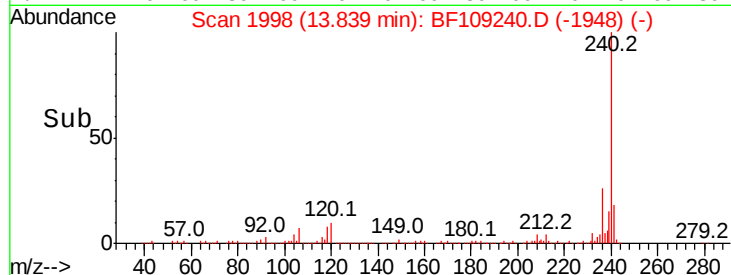
236 25.7 20.7 31.1



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

Terphenyl-d14

Concen: 43.151 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109240.D

Acq: 22 Sep 2018 23:43

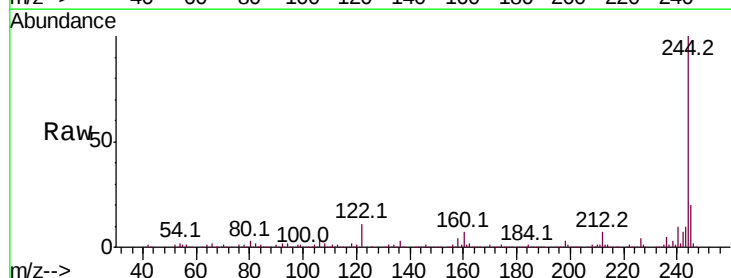
Tgt Ion:244 Resp: 377597

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

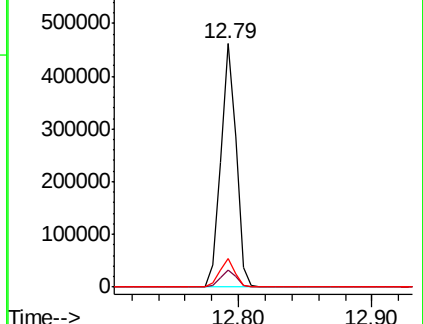
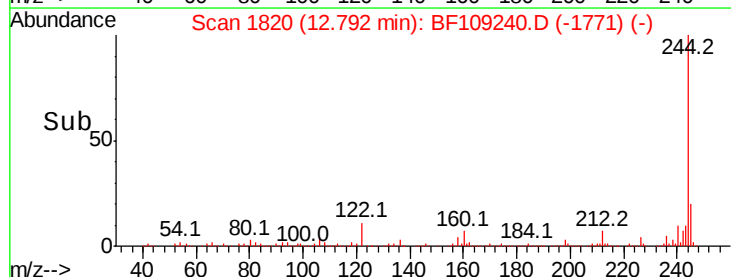
122 11.5 11.0 16.4

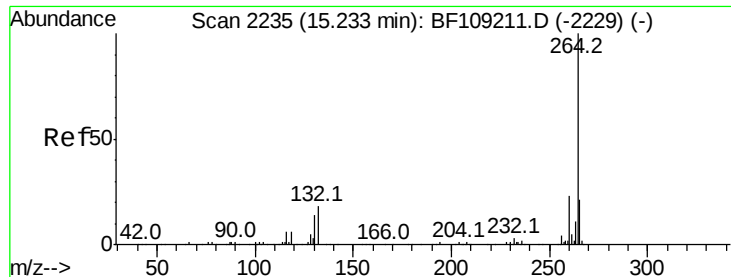


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

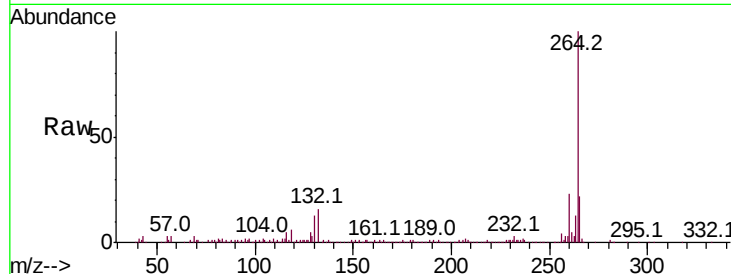




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109240.D
Acq: 22 Sep 2018 23:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.7	17.5	26.3

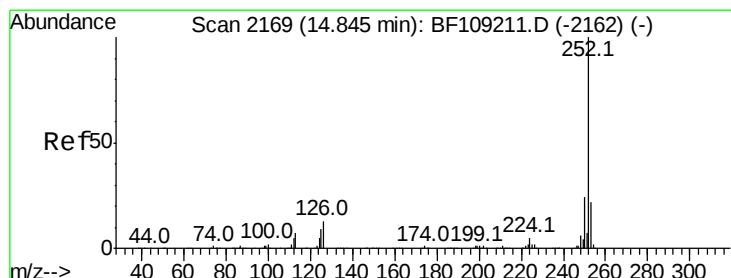
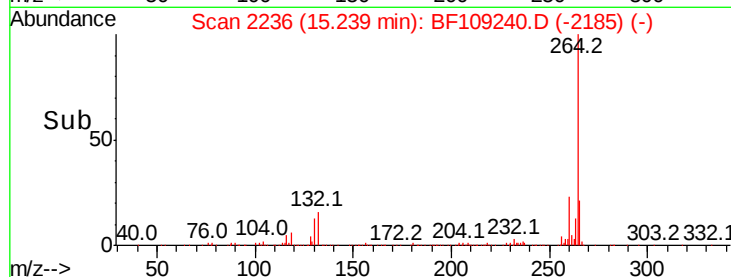
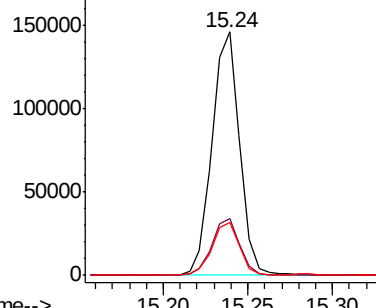


Abundance

Ion 264.00 (263.70 to 264.70): E

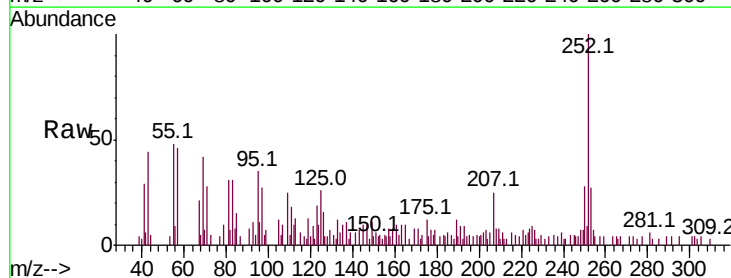
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.030 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF109240.D
Acq: 22 Sep 2018 23:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.0	25.6#
125	25.7	9.0	13.6#

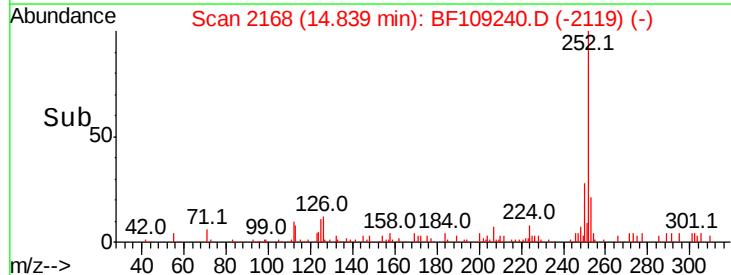
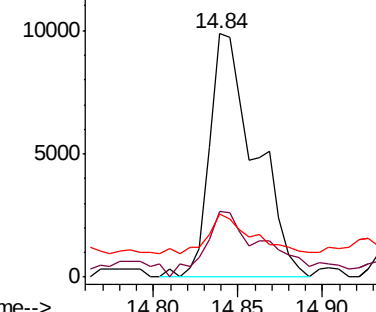


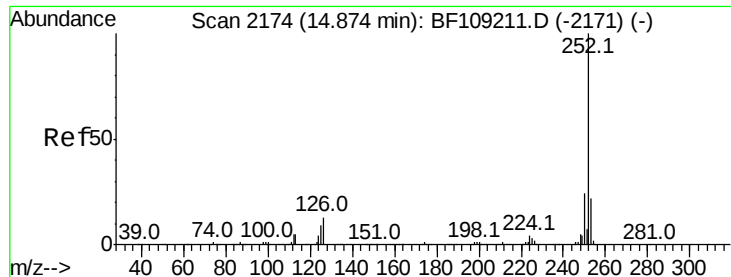
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 2.140 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF109240.D

Acq: 22 Sep 2018 23:43

Instrument :

BNA_F

ClientSampleId :

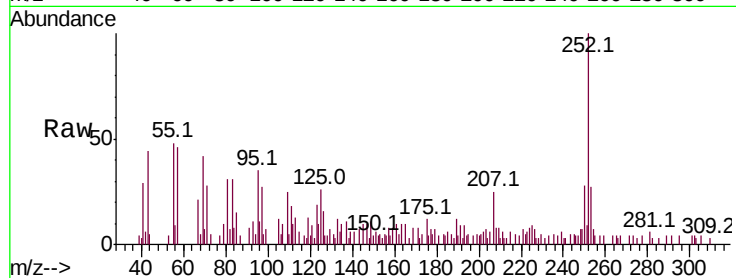
Tot Ion:252 Resp: 18520

Ion Ratio Lower Upper

252 100

253 27.0 17.9 26.9#

125 25.7 10.2 15.2#



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

