

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109304.D
 Acq On : 25 Sep 2018 23:27
 Operator : JU/SJ
 Sample : J5044-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:29:23 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	6.71	152	114282	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	427088	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	180444	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	300616	20.00	ng	0.00
75) Chrysene-d12	13.84	240	258896	20.00	ng	0.00
86) Perylene-d12	15.24	264	191916	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	454302	65.48	ng	0.00
7) Phenol-d6	6.35	99	573682	64.80	ng	-0.01
23) Nitrobenzene-d5	7.27	82	350056	48.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	106504	59.87	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	646616	54.05	ng	0.00
78) Terphenyl-d14	12.80	244	542825	51.46	ng	0.00

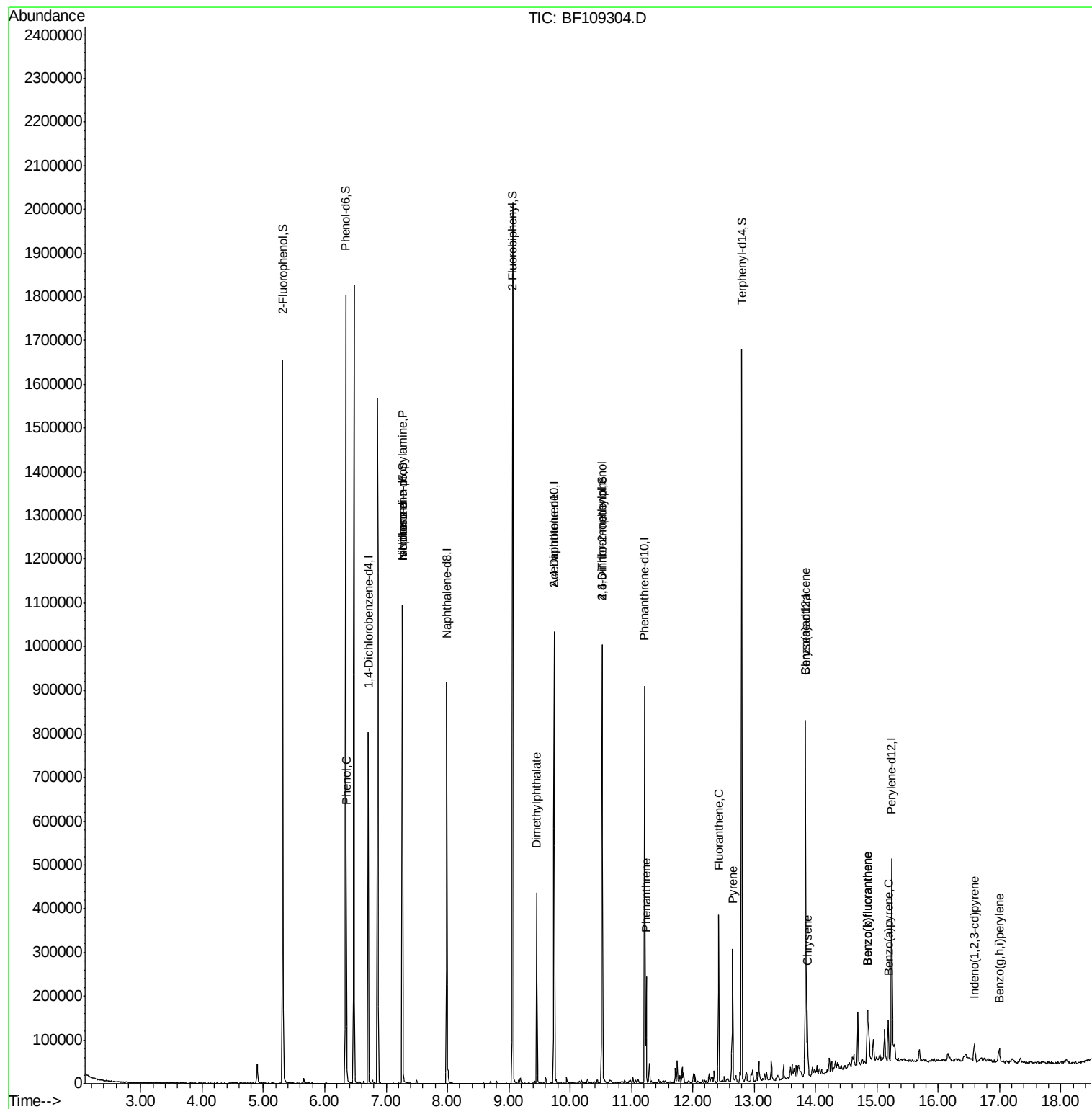
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	24259	2.419	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	46624	8.037	ng	# 76
25) Isophorone	7.27	82	290418	22.292	ng	# 64
49) Dimethylphthalate	9.46	163	154868	11.800	ng	99
56) 2,4-Dinitrotoluene	9.74	165	23547	7.160	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	106	6.596	ng	# 1
70) Phenanthrene	11.24	178	81372	5.421	ng	97
74) Fluoranthene	12.42	202	138421	8.630	ng	95
77) Pyrene	12.65	202	125542	6.766	ng	97
80) Benzo(a)anthracene	13.83	228	57059	3.659	ng	97
82) Chrysene	13.87	228	59566	3.854	ng	96
85) Indeno(1,2,3-cd)pyrene	16.59	276	26520	2.117	ng	# 91
87) Benzo(b)fluoranthene	14.85	252	79283	7.518	ng	97
88) Benzo(k)fluoranthene	14.85	252	79283	7.923	ng	99
89) Benzo(a)pyrene	15.19	252	40058	4.216	ng	99
91) Benzo(g,h,i)perylene	16.99	276	24339	3.177	ng	95

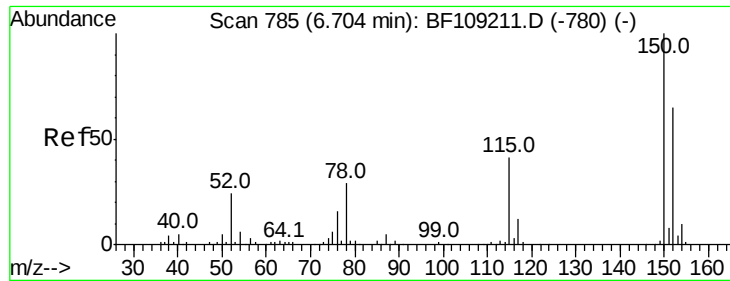
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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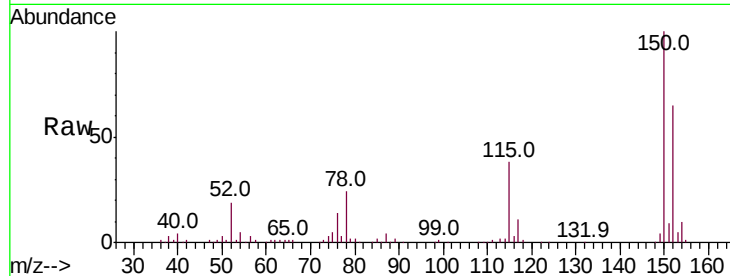


#1

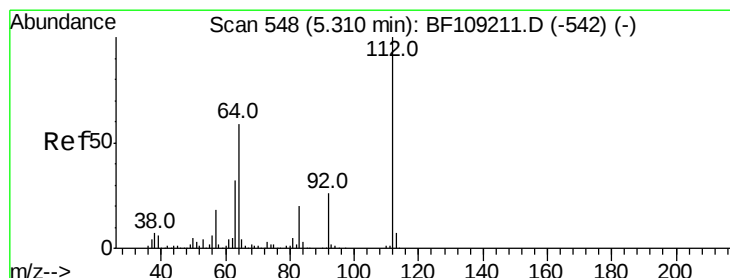
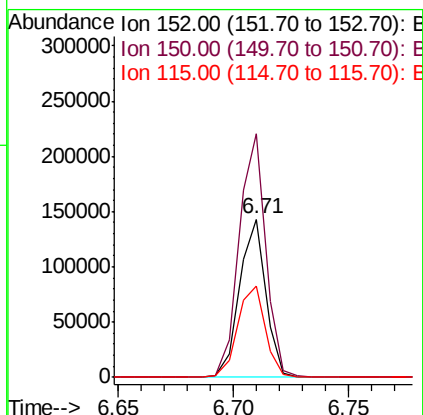
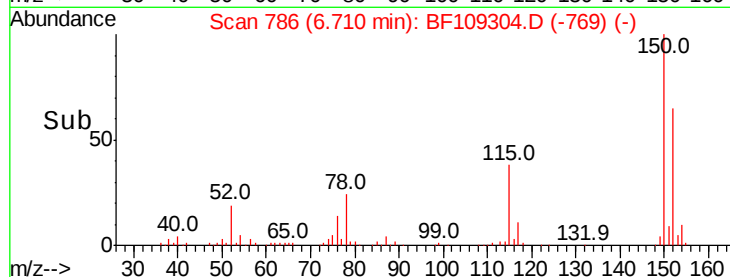
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 114282
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.6 186.8
 115 58.1 50.1 75.1



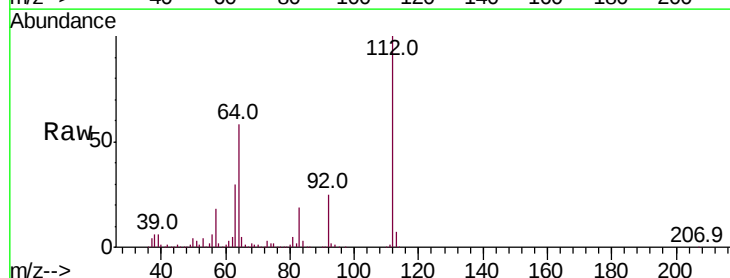
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



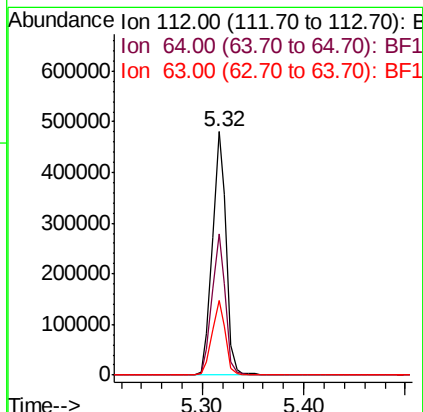
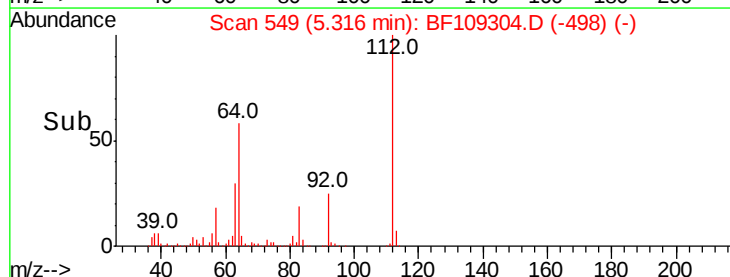
#5

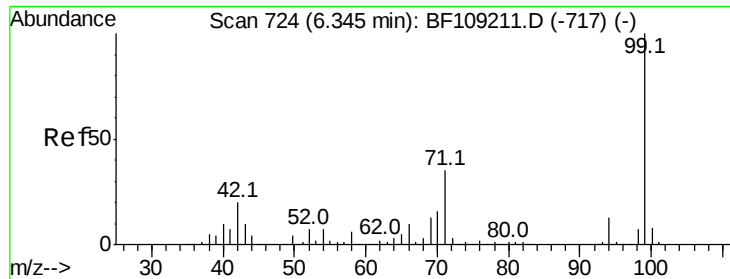
2-Fluorophenol
 Concen: 65.476 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

Tgt Ion:112 Resp: 454302
 Ion Ratio Lower Upper
 112 100
 64 58.2 47.9 71.9
 63 30.5 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: 64.795 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109304.D

Acq: 25 Sep 2018 23:27

Instrument :

BNA_F

ClientSampleId :

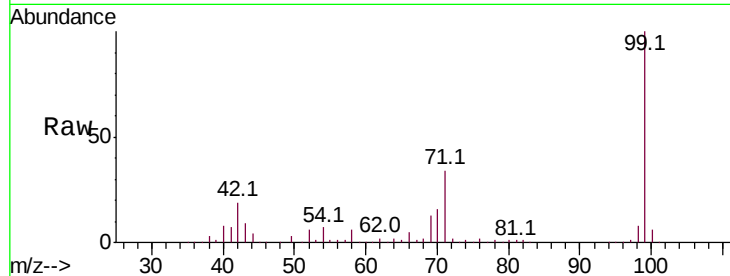
Tot Ion: 99 Resp: 573682

Ion Ratio Lower Upper

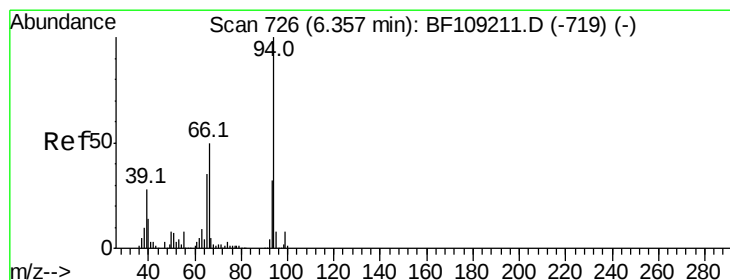
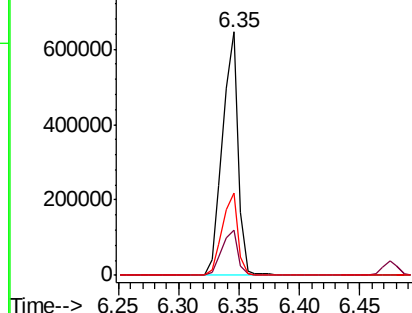
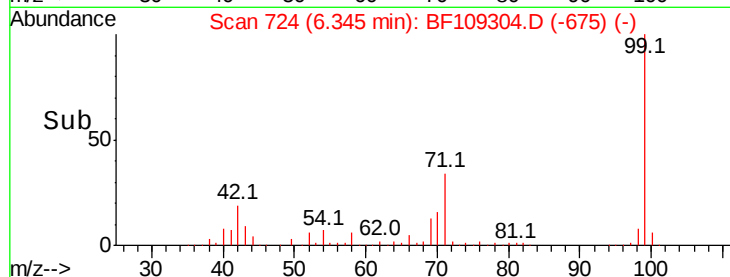
99 100

42 18.7 14.5 21.7

71 34.1 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: 2.419 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109304.D

Acq: 25 Sep 2018 23:27

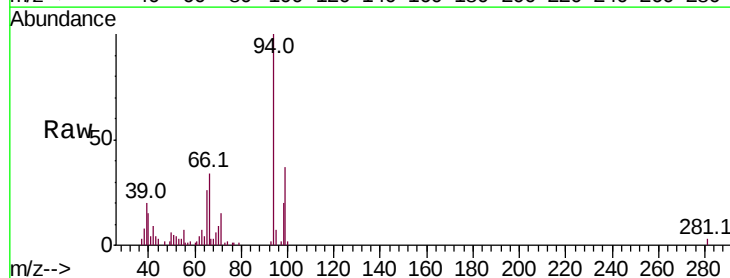
Tgt Ion: 94 Resp: 24259

Ion Ratio Lower Upper

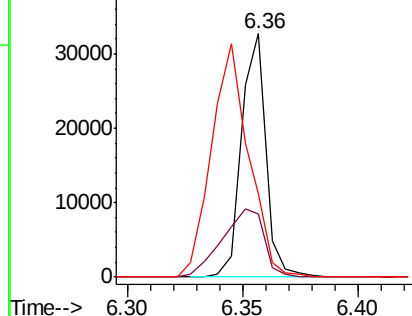
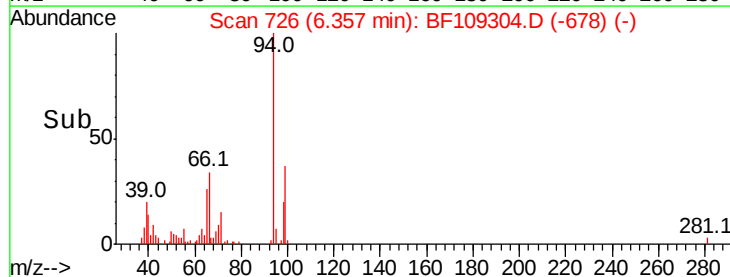
94 100

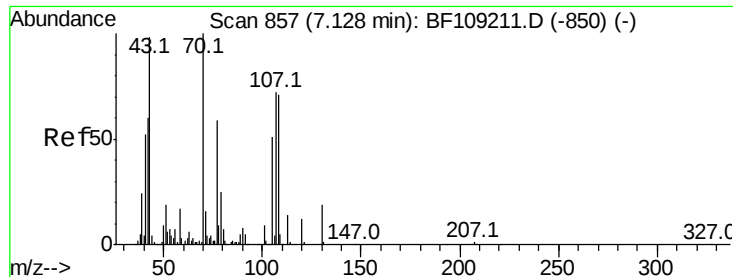
65 25.8 7.9 47.9

66 34.5 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

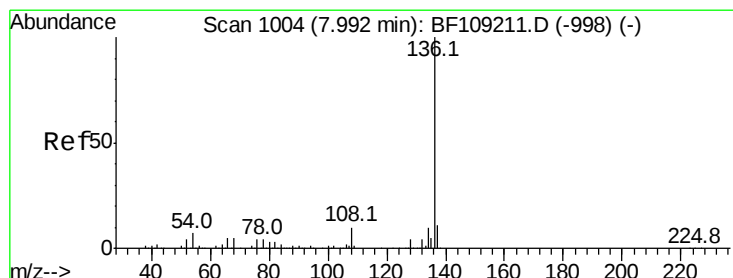
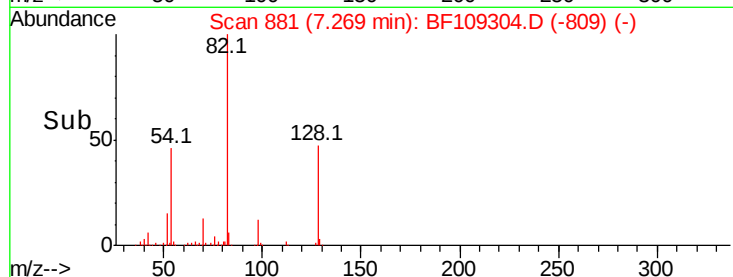
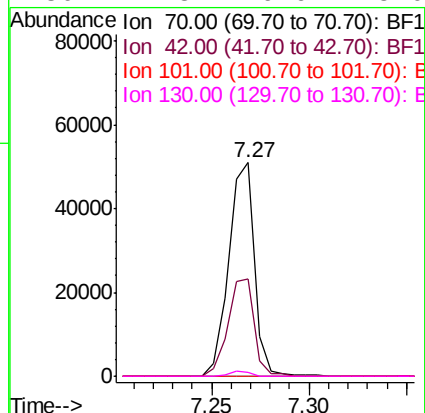
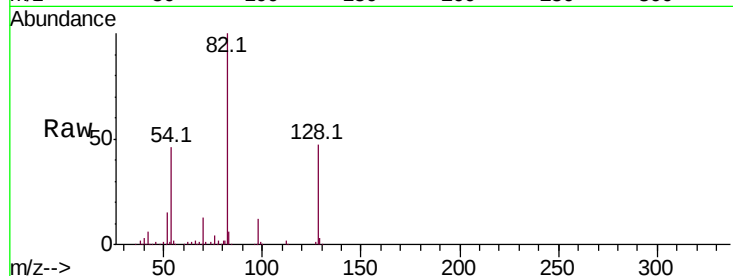




#19
n-Nitroso-di-n-propylamine
Concen: 8.037 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

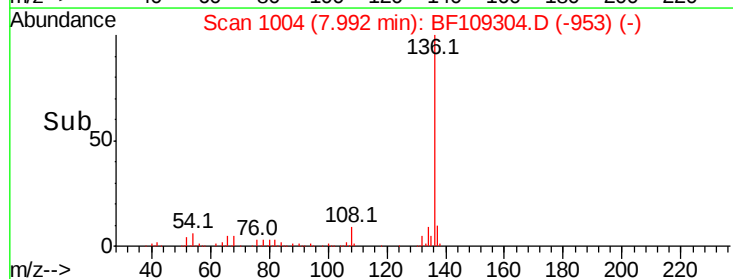
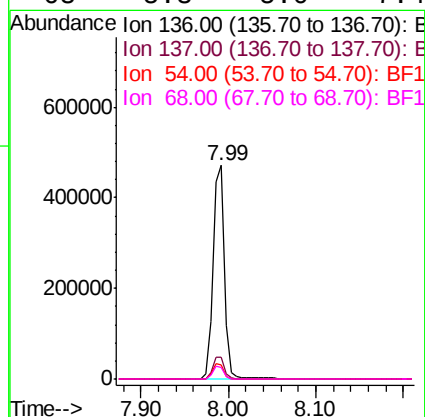
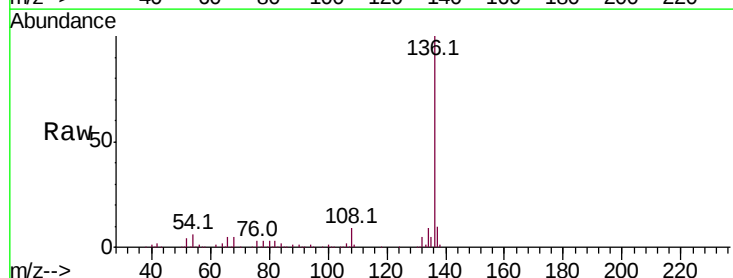
Instrument :
BNA_F
ClientSampleId :

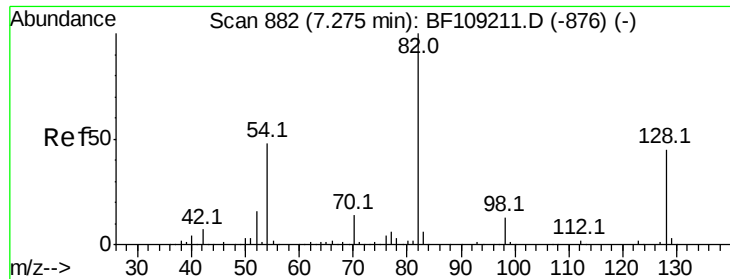
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.4	47.5	71.3#
101	0.0	7.4	11.2#
130	1.8	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.4	6.6	9.8#
68	5.3	5.0	7.4

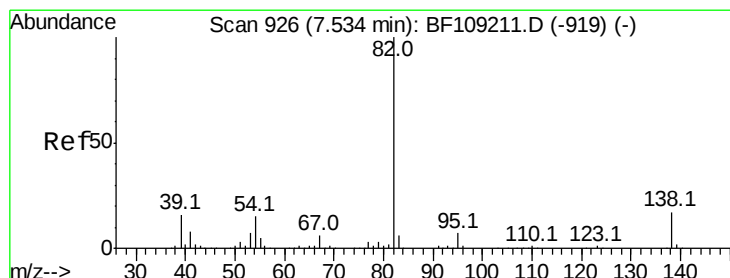
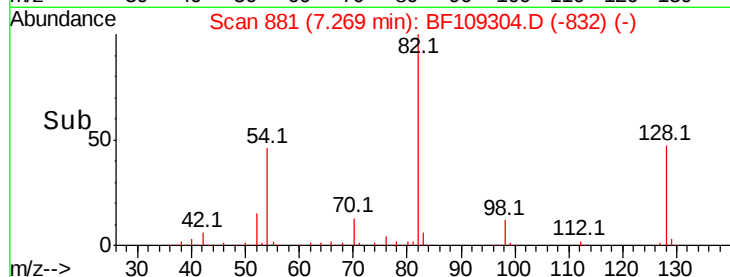
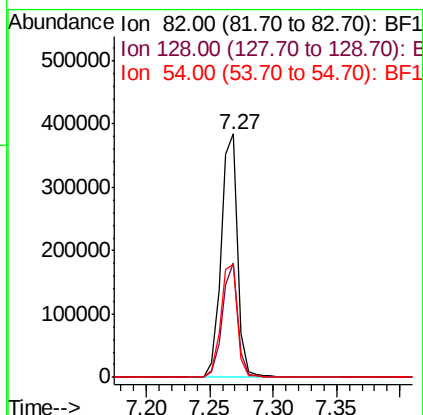
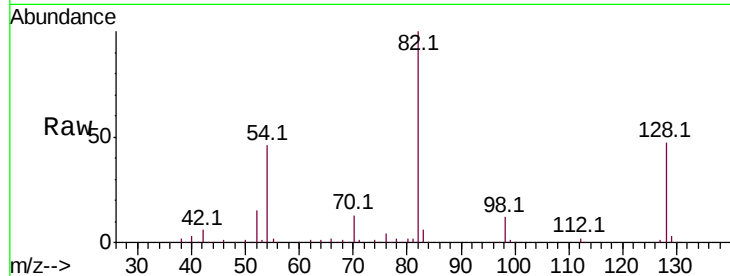




#23
 Nitrobenzene-d5
 Concen: 48.384 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

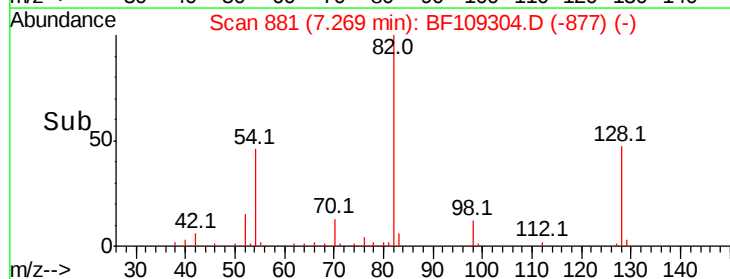
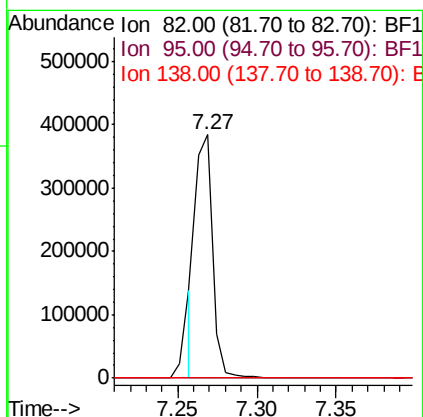
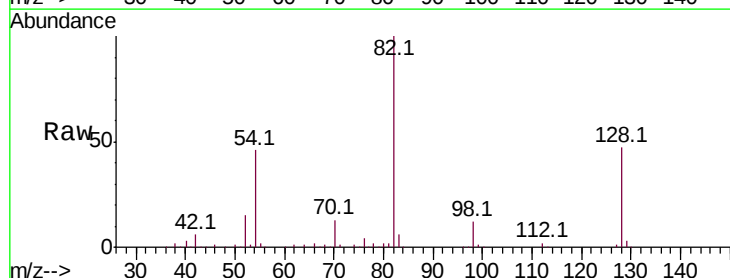
Instrument :
 BNA_F
 ClientSampleId :

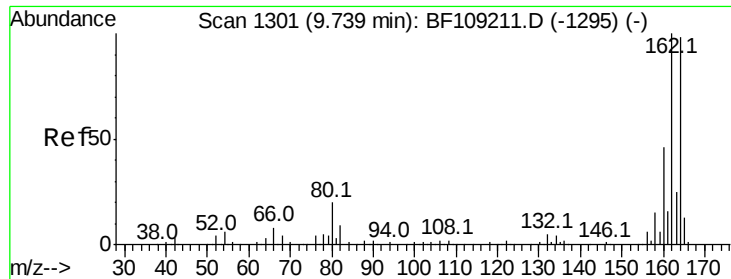
Tot Ion	82	Resp	350056
Ion Ratio	Lower	Upper	
82	100		
128	46.9	36.1	54.1
54	46.3	41.4	62.2



#25
 Isophorone
 Concen: 22.292 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

Tgt Ion	82	Resp	290418
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

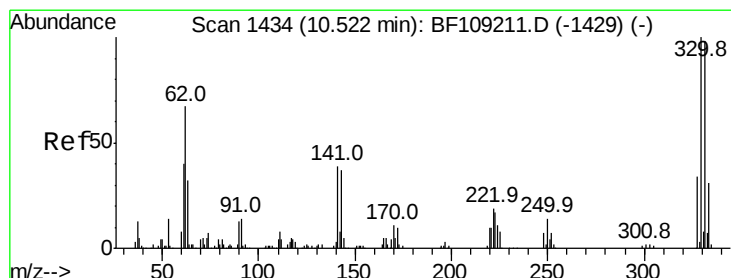
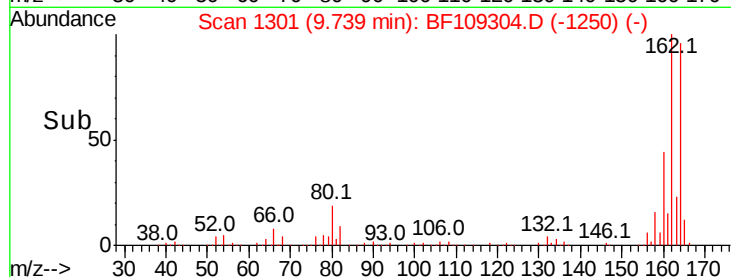
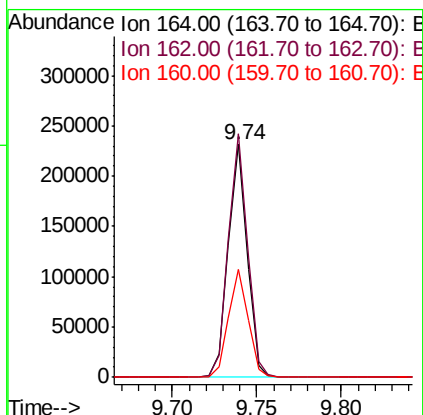
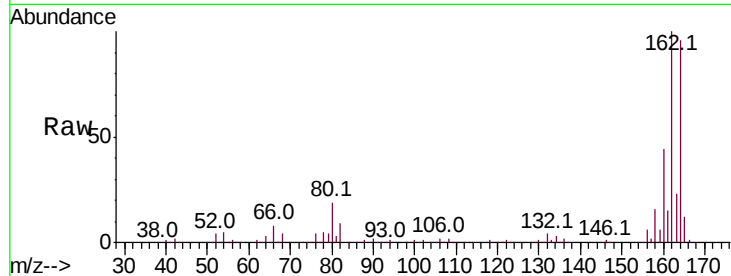




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

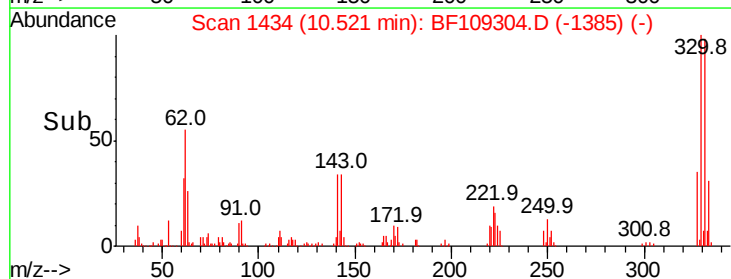
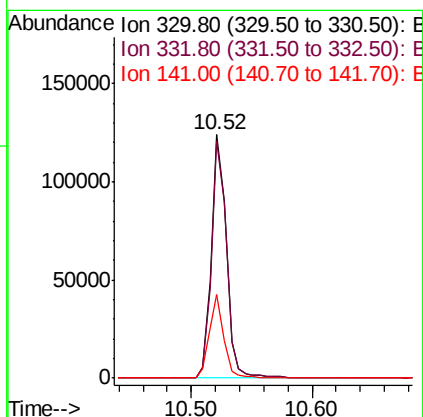
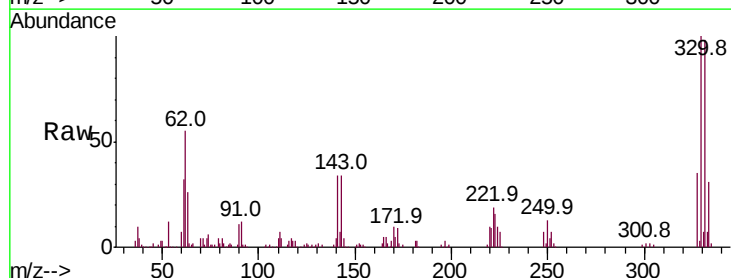
Instrument :
 BNA_F
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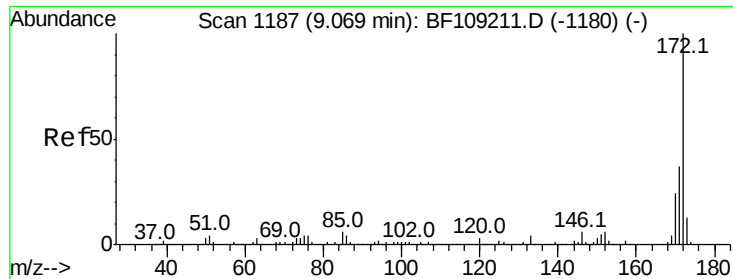
Tot Ion:164 Resp: 180444
 Ion Ratio Lower Upper
 164 100
 162 104.5 86.1 129.1
 160 46.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 59.874 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

Tgt Ion:330 Resp: 106504
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 32.7 29.9 44.9

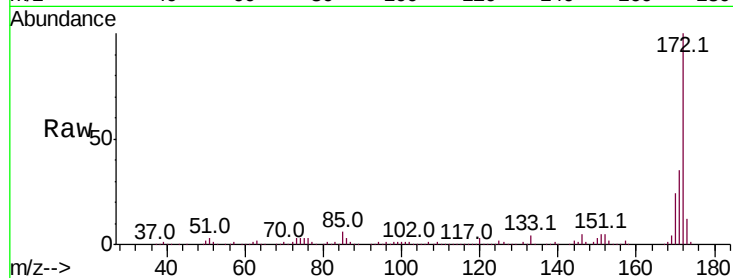




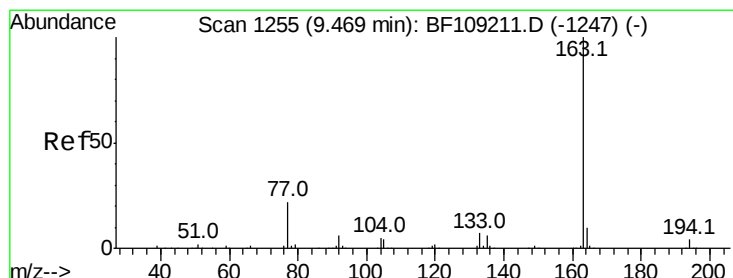
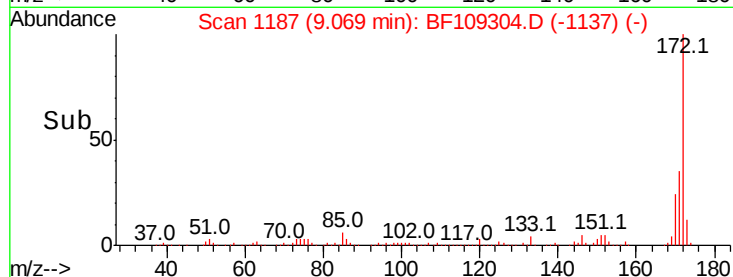
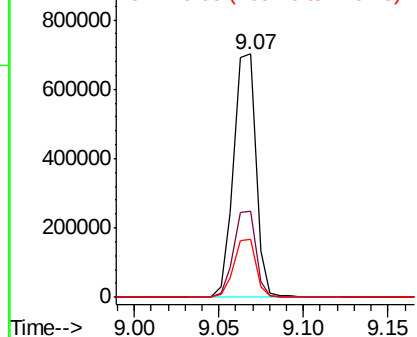
#44
2-Fluorobiphenyl
Concen: 54.046 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 646616
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 23.6 19.6 29.4

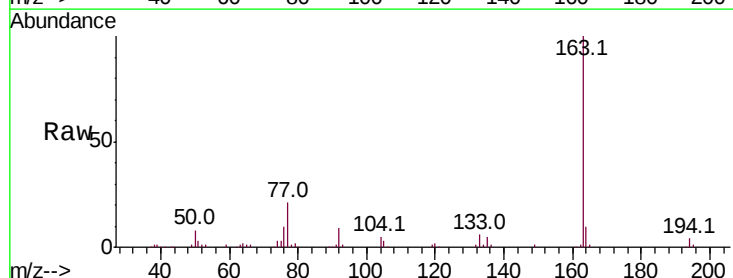


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

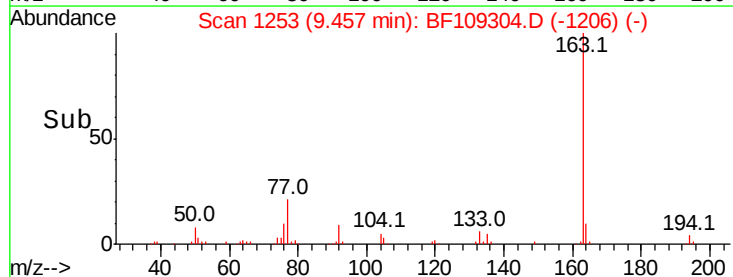
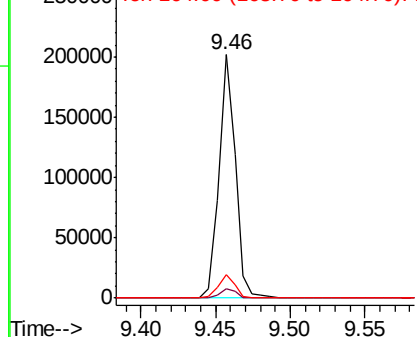


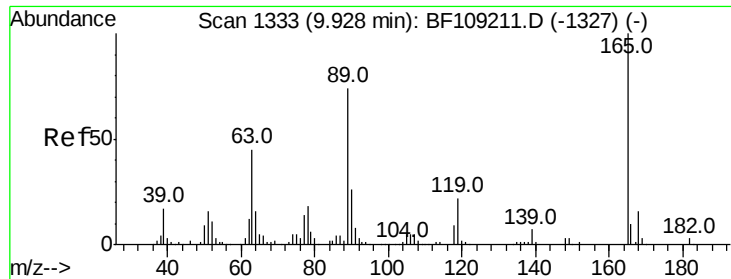
#49
Dimethylphthalate
Concen: 11.800 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

Tgt Ion:163 Resp: 154868
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.8 8.2 12.2



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

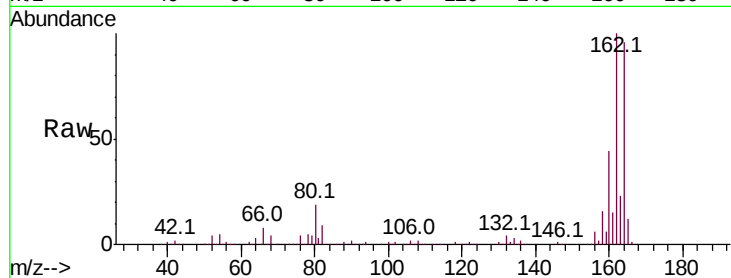




#56
 2,4-Dinitrotoluene
 Concen: 7.160 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

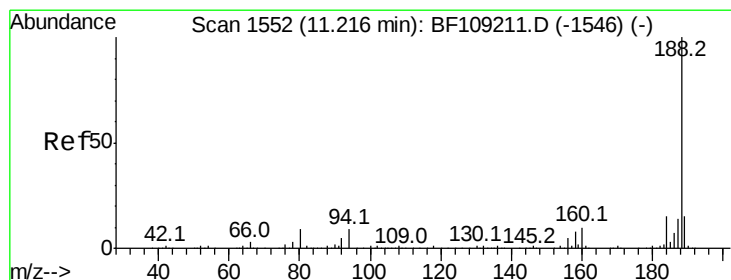
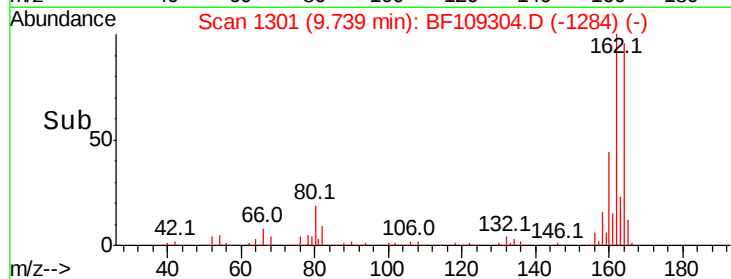
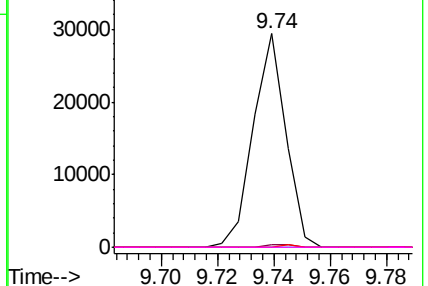


Abundance Ion 165.00 (164.70 to 165.70): E

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



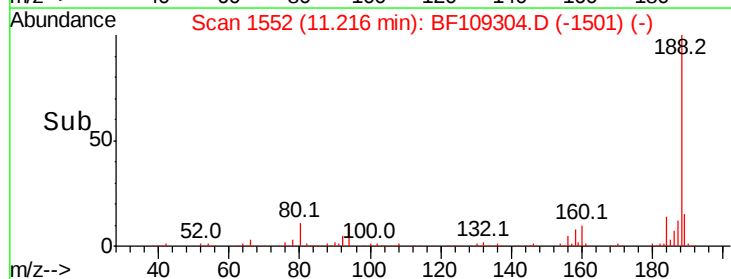
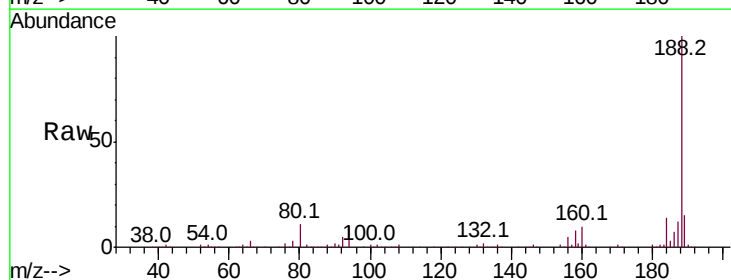
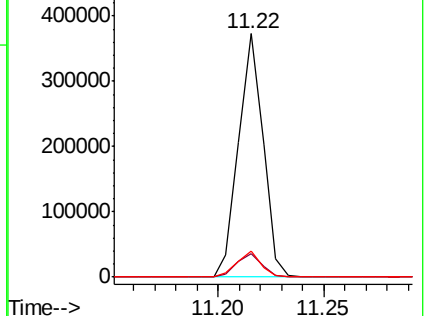
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

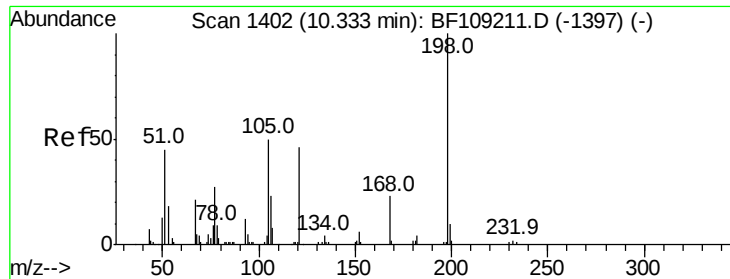
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.7	9.2	13.8

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

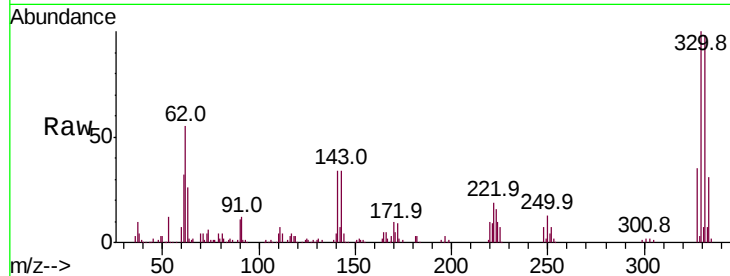




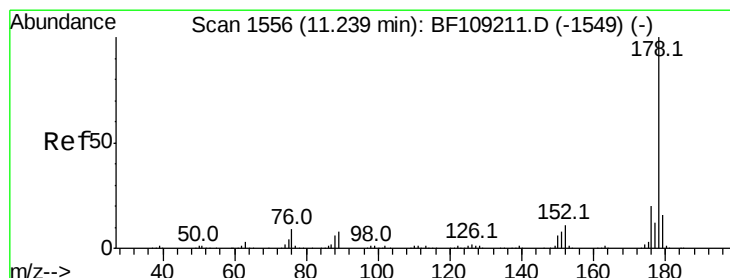
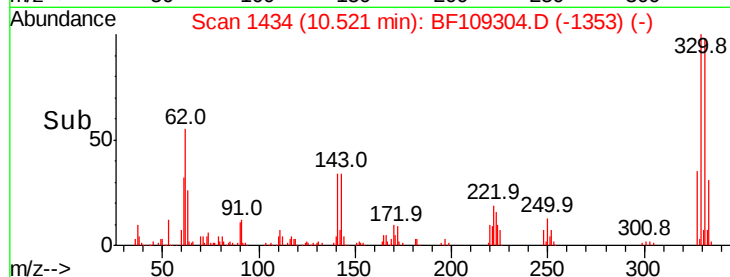
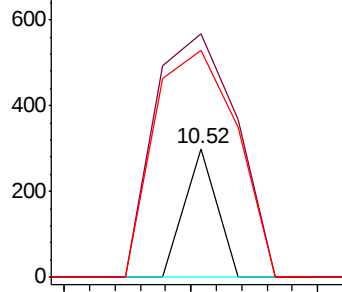
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.596 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 106
 Ion Ratio Lower Upper
 198 100
 51 189.0 37.7 77.7#
 105 176.7 36.3 76.3#

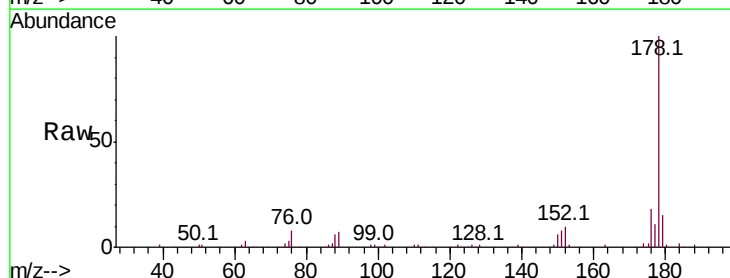


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

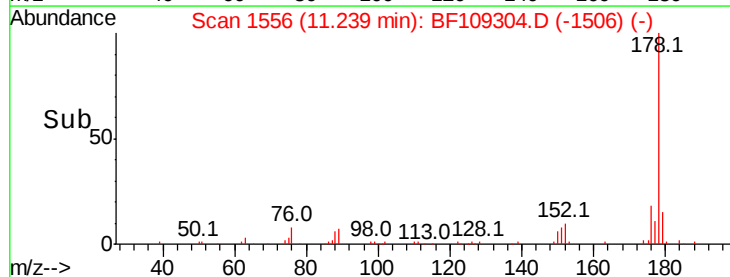
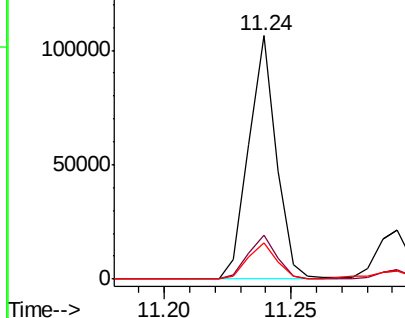


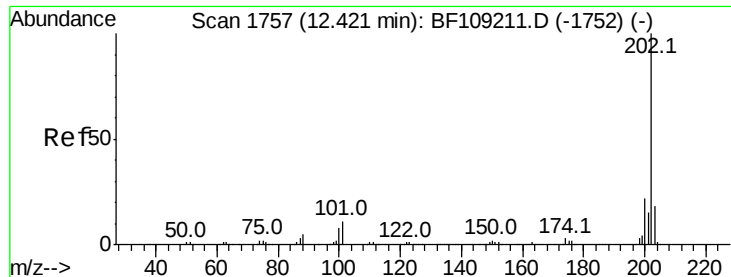
#70
 Phenanthrene
 Concen: 5.421 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

Tgt Ion:178 Resp: 81372
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.8
 179 14.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

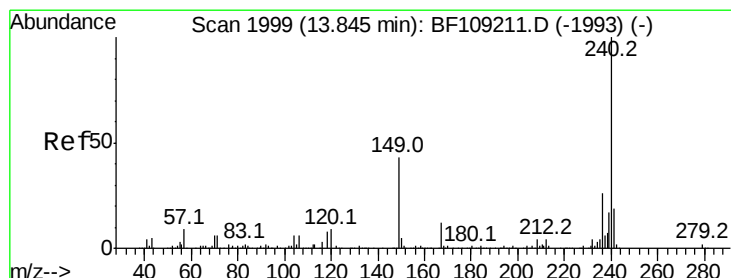
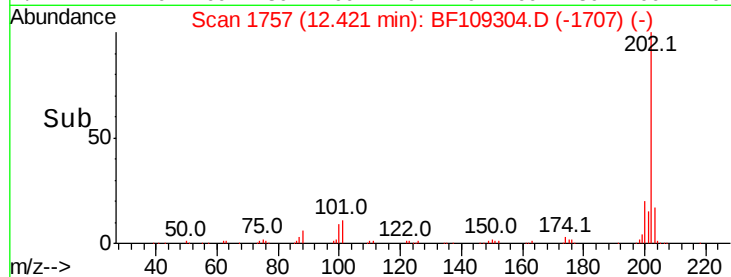
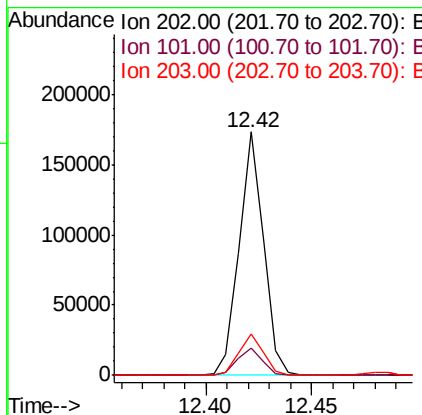
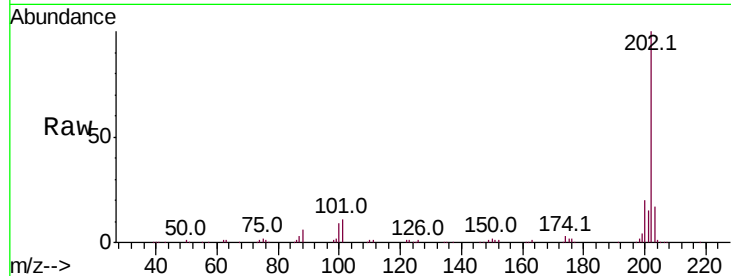




#74
Fluoranthene
Concen: 8.630 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

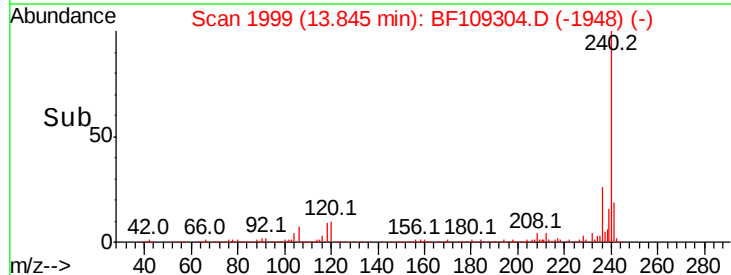
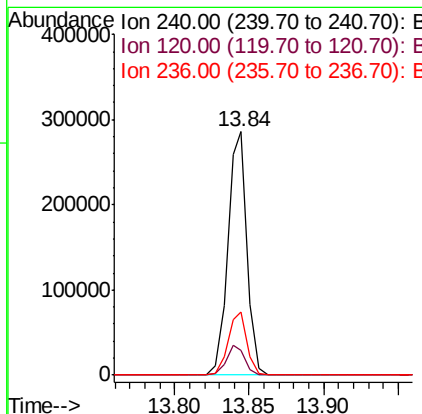
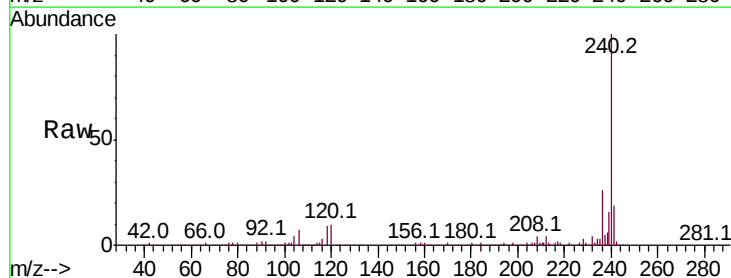
Instrument :
BNA_F
ClientSampleId :

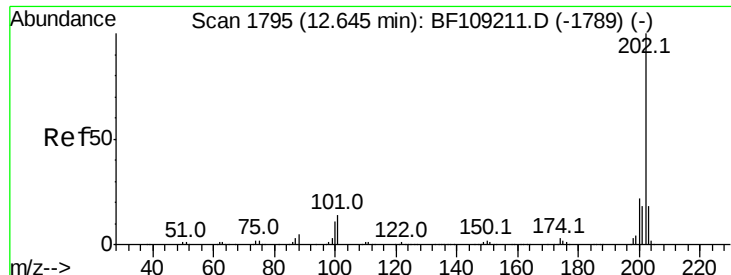
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.0	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	25.9	20.7	31.1

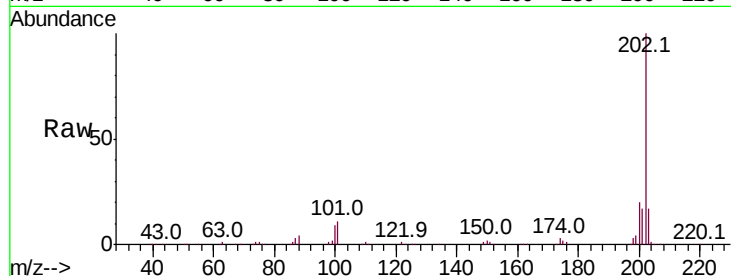




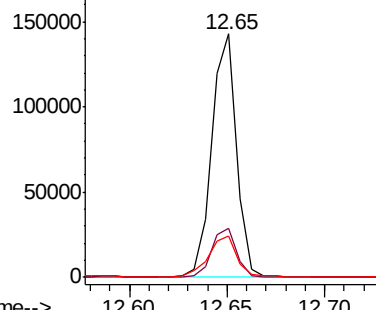
#77
Pvrene
Concen: 6.766 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

Instrument :
BNA_F
ClientSampleId :

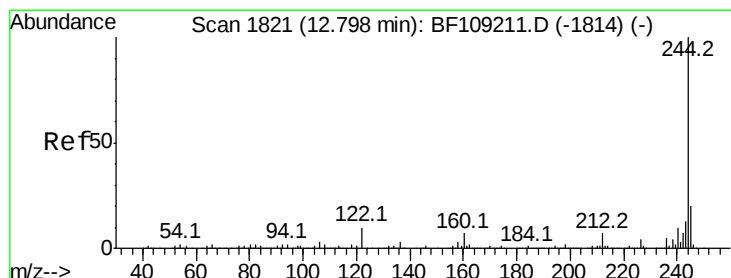
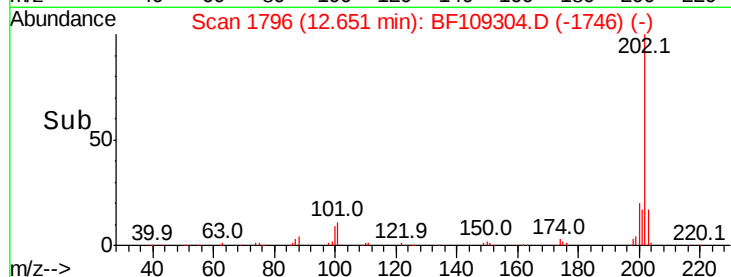
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.4	26.2
203	17.2	14.3	21.5



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

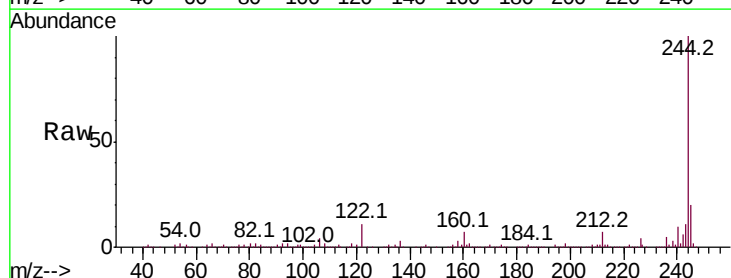


Time-->

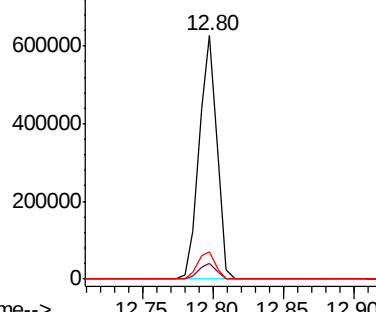


#78
Terphenyl-d14
Concen: 51.456 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

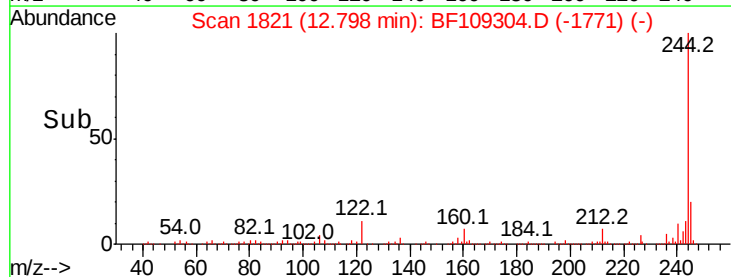
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.1	11.0	16.4

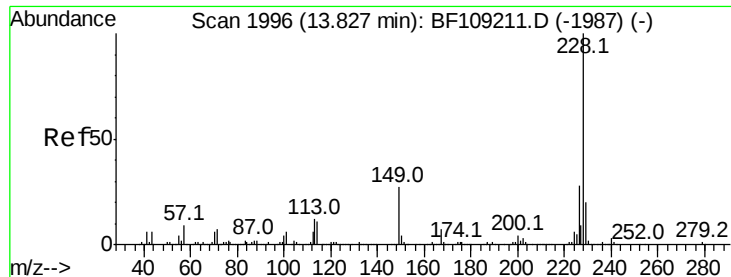


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->

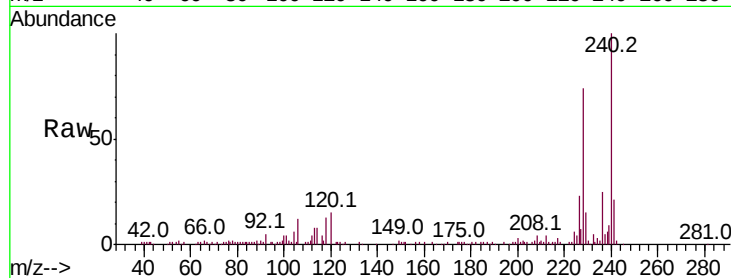




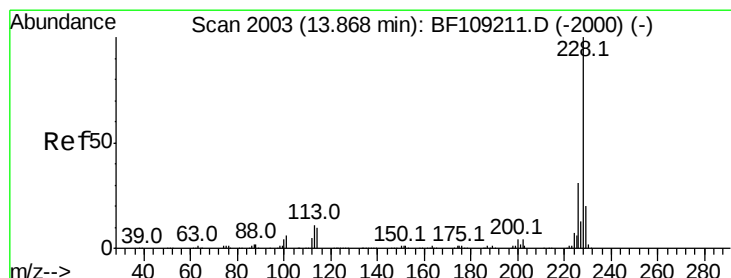
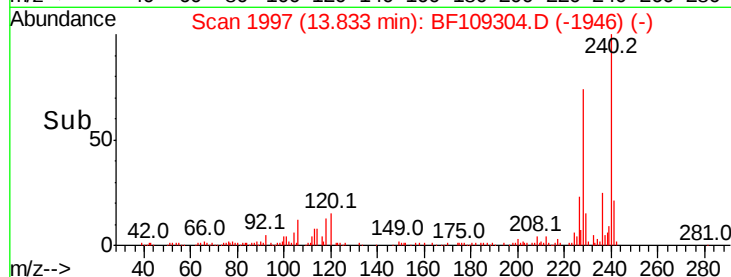
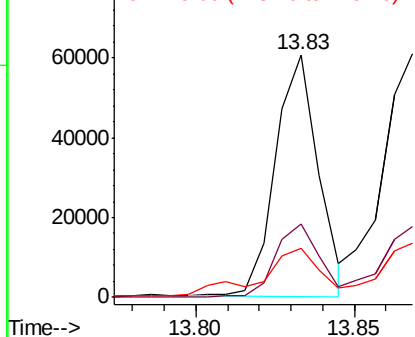
#80
Benzo(a)anthracene
Concen: 3.659 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 57059
Ion Ratio Lower Upper
228 100
226 30.5 22.6 33.8
229 20.3 15.8 23.6

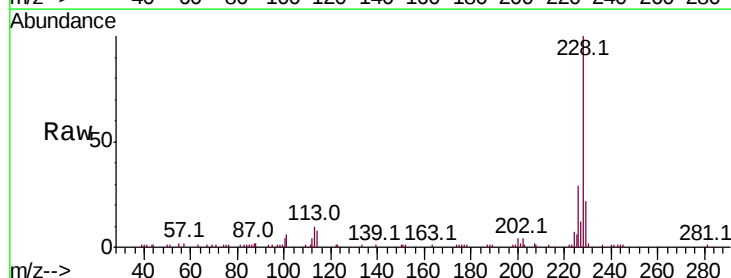


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

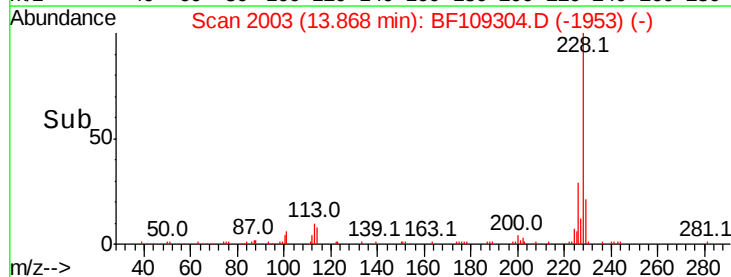
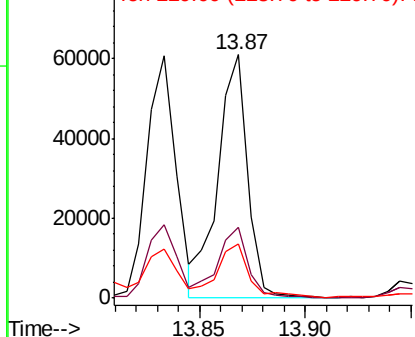


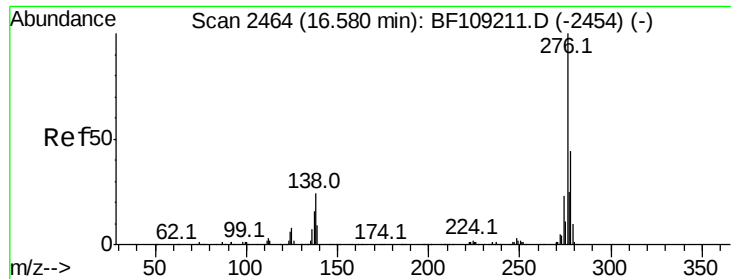
#82
Chrysene
Concen: 3.854 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

Tgt Ion:228 Resp: 59566
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 22.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

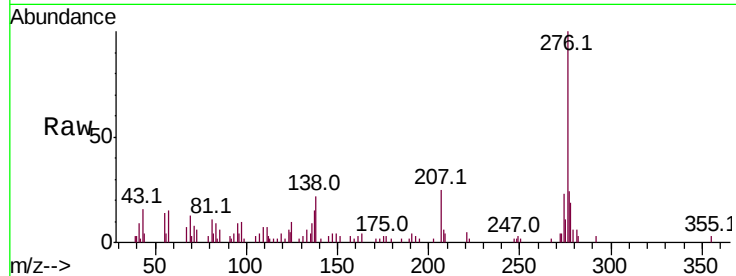




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.117 ng
 RT: 16.59 min Scan# 2466
 Delta R.T. -0.00 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	25.0	37.6#
277	25.9	20.1	30.1

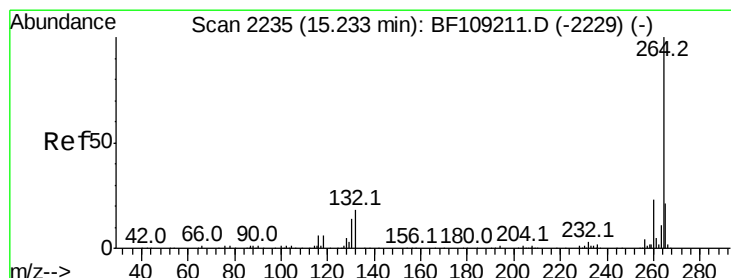
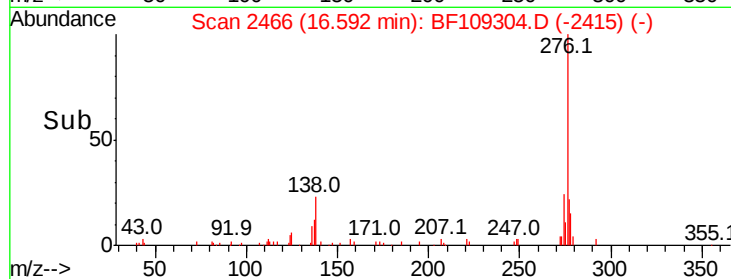
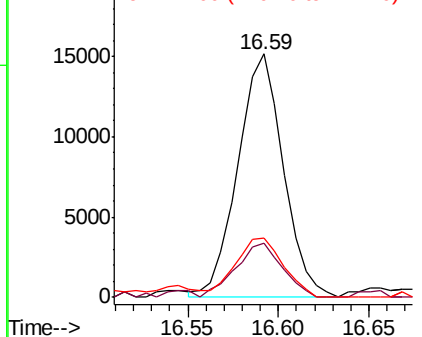


Abundance

Ion 276.00 (275.70 to 276.70): E

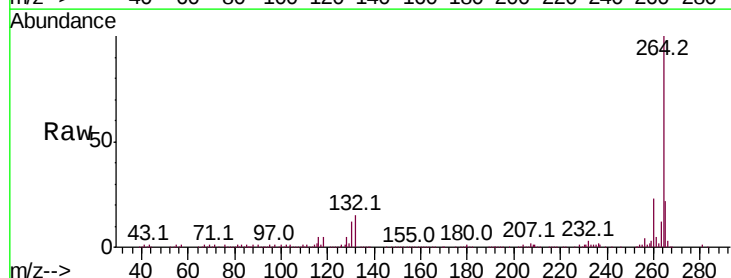
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109304.D
 Acq: 25 Sep 2018 23:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.6	17.5	26.3

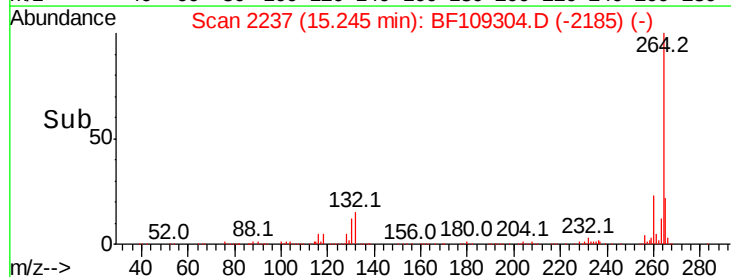
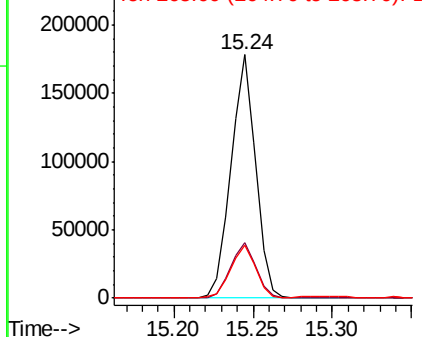


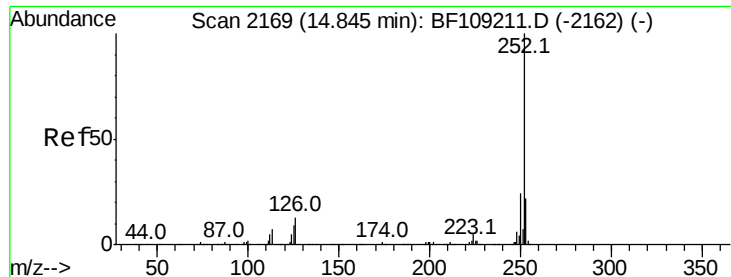
Abundance

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

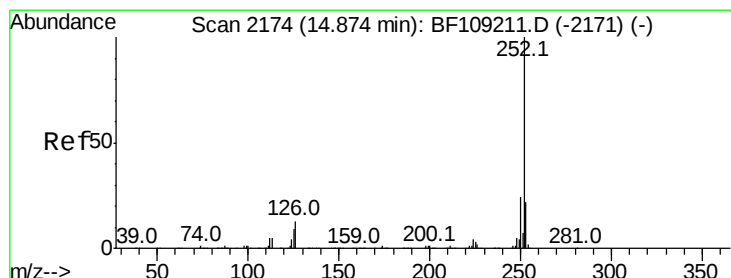
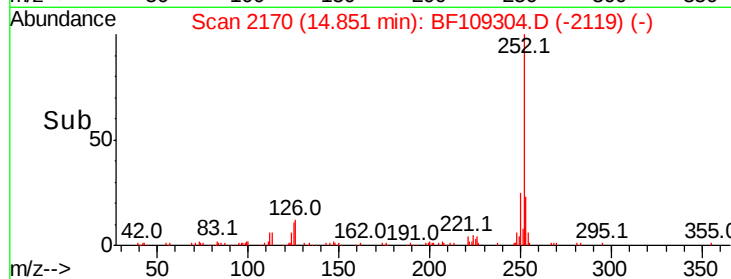
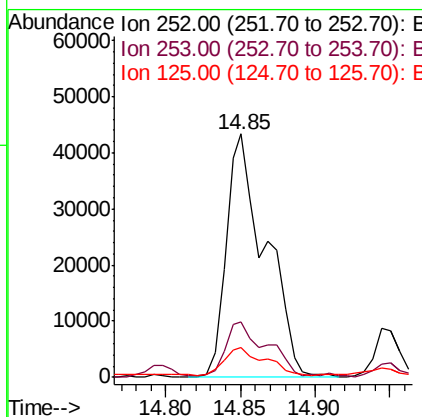
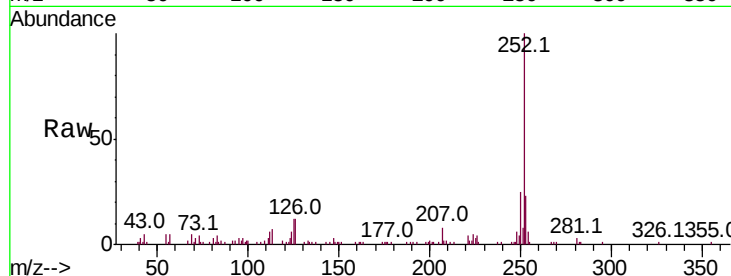




#87
Benzo(b)fluoranthene
Concen: 7.518 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

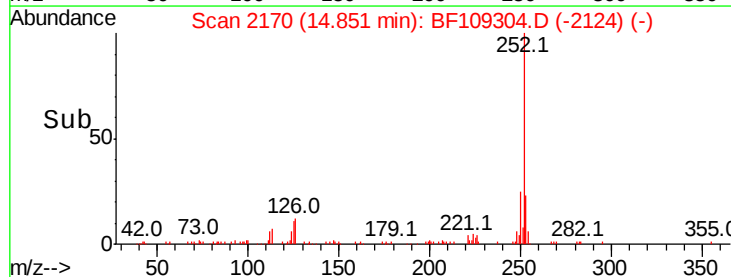
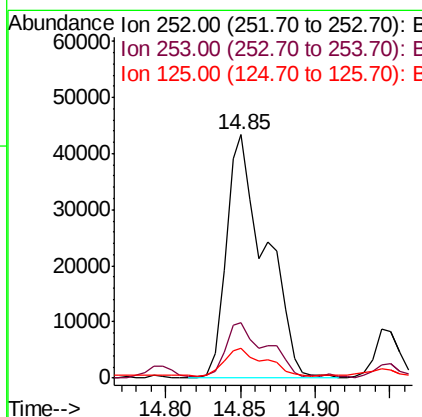
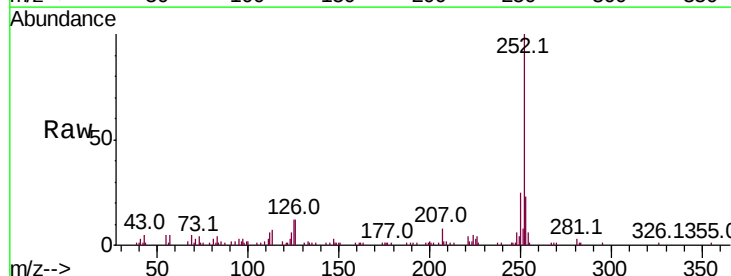
Instrument :
BNA_F
ClientSampled :

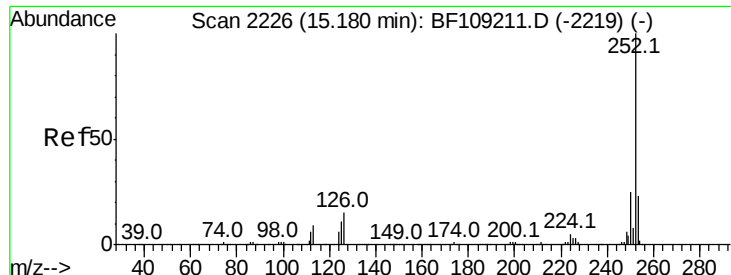
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	12.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 7.923 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109304.D
Acq: 25 Sep 2018 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 4.216 ng

RT: 15.19 min Scan# 2227

Delta R.T. -0.00 min

Lab File: BF109304.D

Acq: 25 Sep 2018 23:27

Instrument :

BNA_F

ClientSampled :

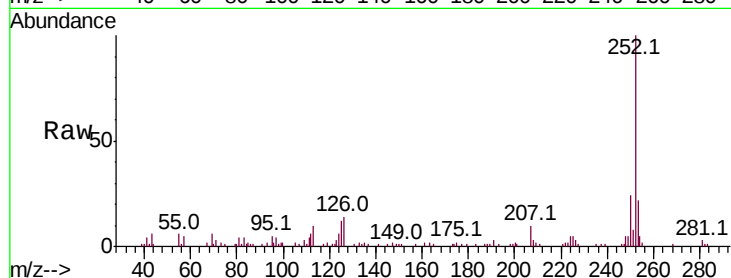
Tot Ion:252 Resp: 40058

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

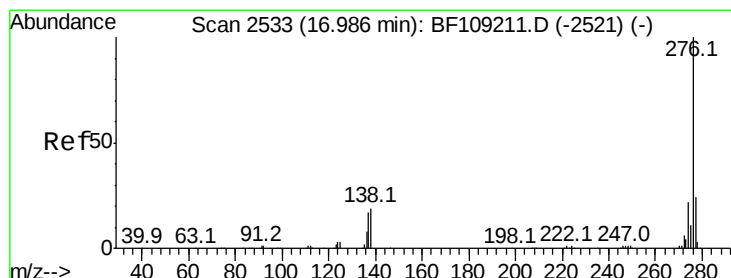
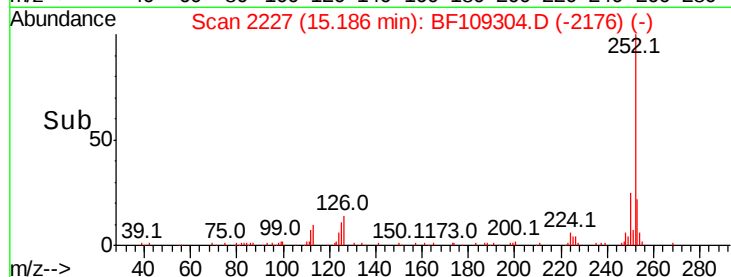
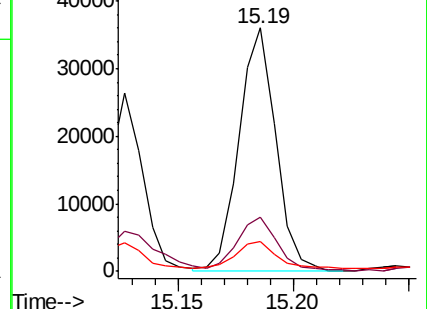
125 12.2 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 3.177 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF109304.D

Acq: 25 Sep 2018 23:27

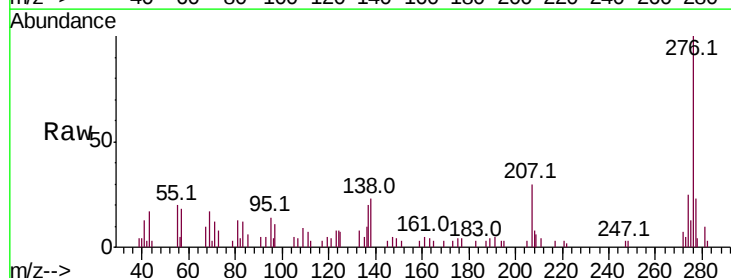
Tgt Ion:276 Resp: 24339

Ion Ratio Lower Upper

276 100

277 22.8 17.9 26.9

138 23.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

