

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100518\
 Data File : BF109622.D
 Acq On : 5 Oct 2018 21:32
 Operator : JU/SJ
 Sample : J5255-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-2

Quant Time: Oct 06 05:57:09 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

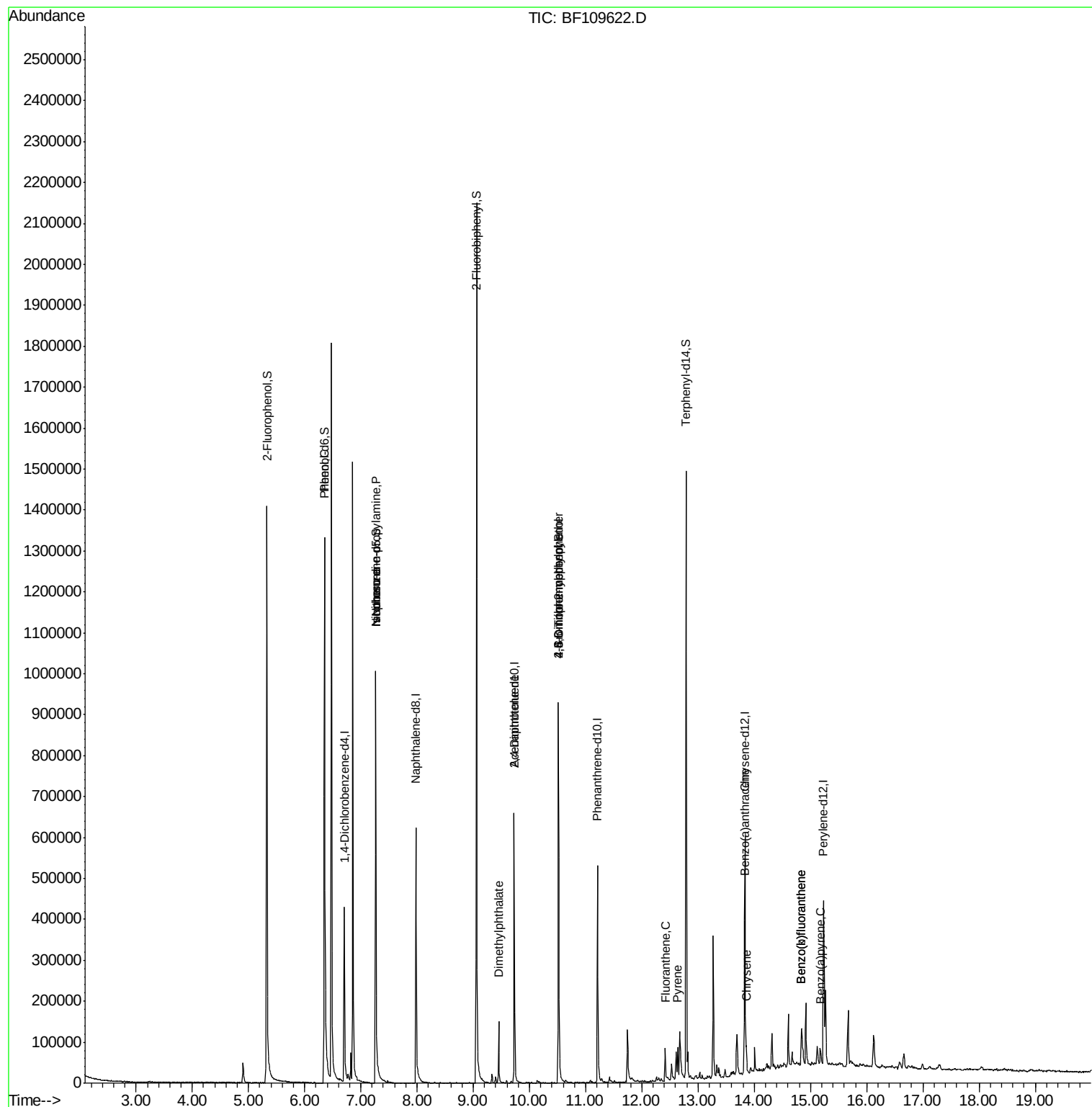
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	83032	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	321170	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	142747	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	229807	20.00	ng	0.00
75) Chrysene-d12	13.83	240	193952	20.00	ng	-0.01
86) Perylene-d12	15.23	264	200922	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	465556	92.35	ng	0.01
7) Phenol-d6	6.35	99	617495	95.99	ng	0.00
23) Nitrobenzene-d5	7.26	82	401689	73.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	127455	90.57	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	727818	76.90	ng	-0.02
78) Terphenyl-d14	12.79	244	525725	66.52	ng	-0.02
Target Compounds						
10) Phenol	6.36	94	19763	2.713	ng	# 39
19) n-Nitroso-di-n-propylamine	7.26	70	53922	12.793	ng	# 78
25) Isophorone	7.26	82	389362	39.742	ng	# 64
49) Dimethylphthalate	9.45	163	67708	6.521	ng	99
56) 2,4-Dinitrotoluene	9.73	165	17931	6.892	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.52	198	121	6.633	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7606	2.981	ng	# 1
74) Fluoranthene	12.42	202	38520	3.141	ng	95
77) Pyrene	12.64	202	37307	2.684	ng	99
80) Benzo(a)anthracene	13.82	228	24231	2.074	ng	94
82) Chrysene	13.86	228	27673	2.390	ng	99
87) Benzo(b)fluoranthene	14.84	252	60029	5.437	ng	96
88) Benzo(k)fluoranthene	14.84	252	60029	5.730	ng	98
89) Benzo(a)pyrene	15.18	252	20054	2.016	ng	95

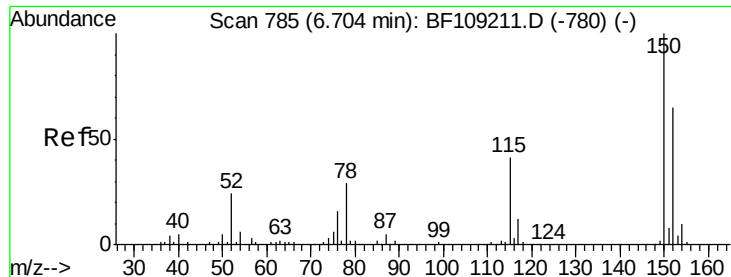
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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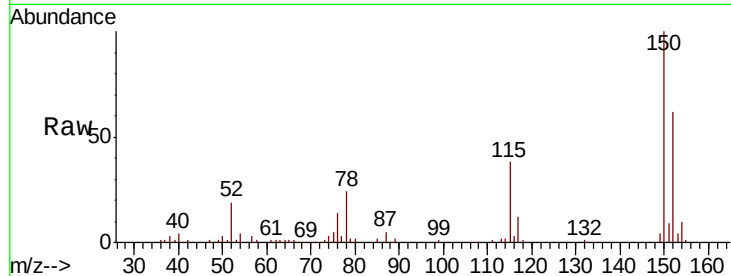




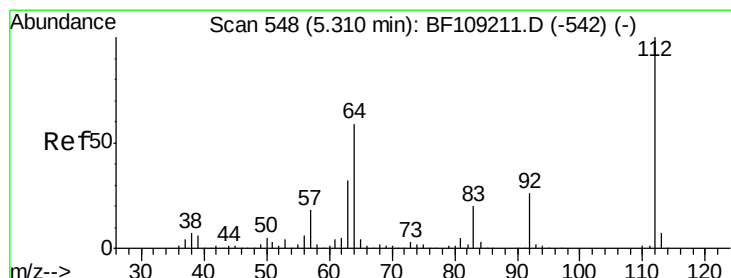
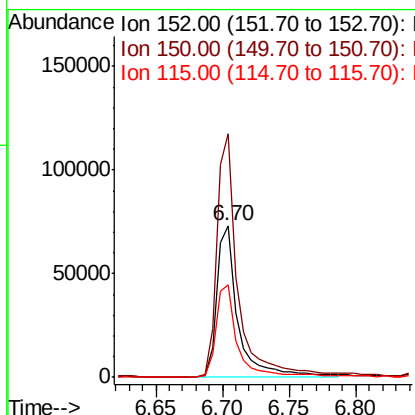
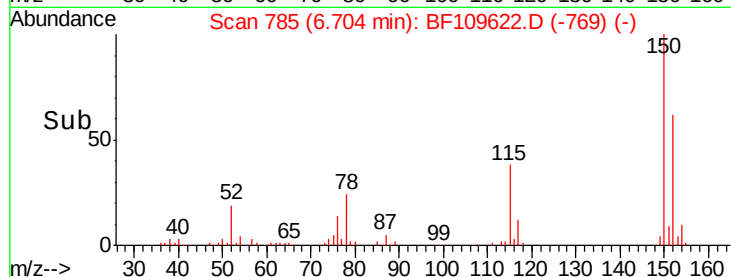
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-2

Tgt Ion:152 Resp: 83032
 Ion Ratio Lower Upper
 152 100
 150 160.5 124.6 186.8
 115 60.6 50.1 75.1

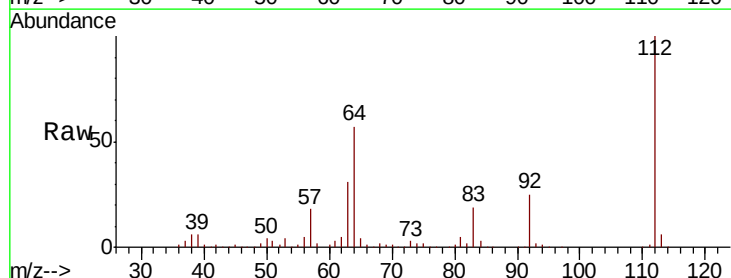


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

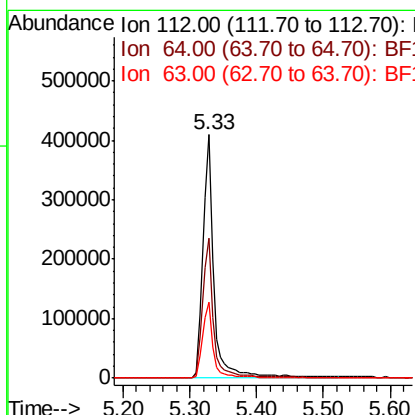
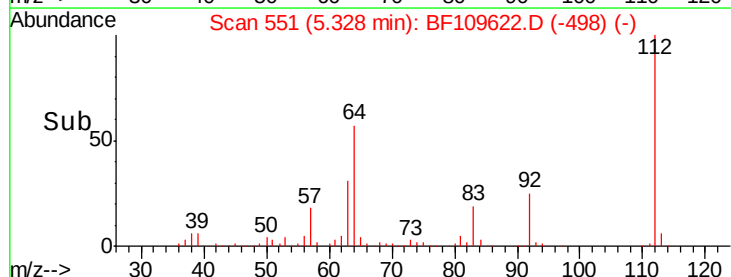


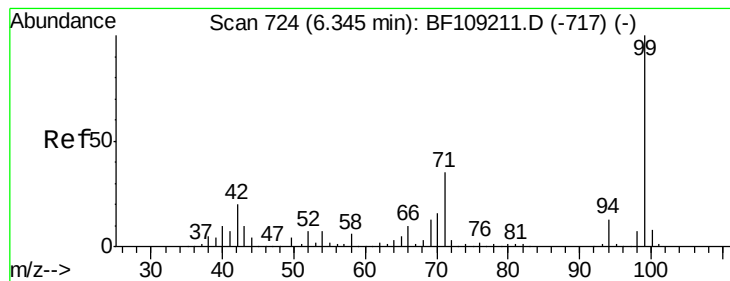
#5
 2-Fluorophenol
 Concen: 92.351 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Tgt Ion:112 Resp: 465556
 Ion Ratio Lower Upper
 112 100
 64 57.3 47.9 71.9
 63 31.0 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: 95.993 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109622.D

Acq: 5 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-2

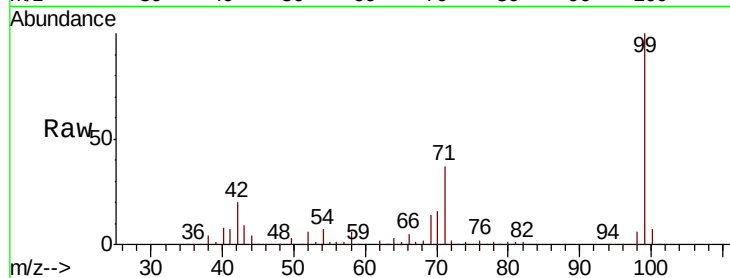
Tgt Ion: 99 Resp: 617495

Ion Ratio Lower Upper

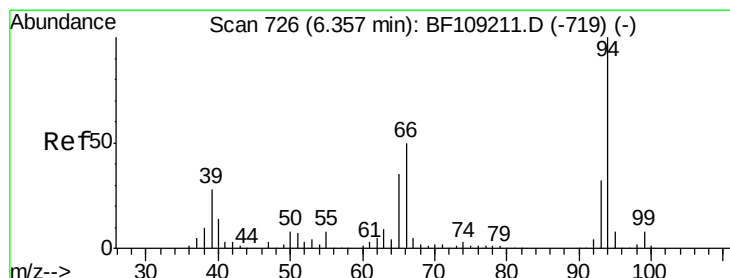
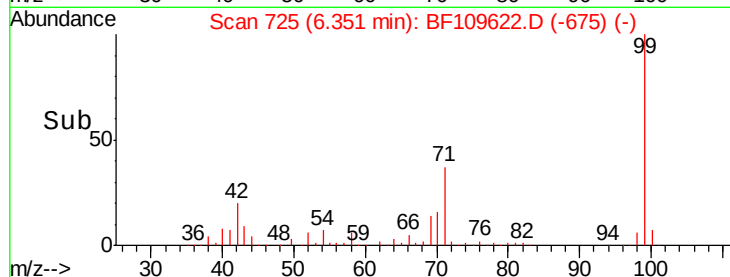
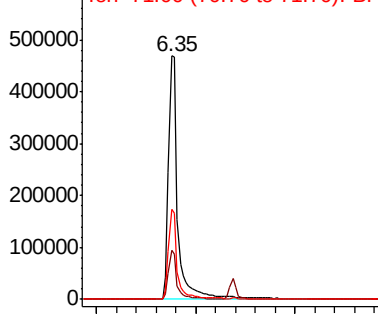
99 100

42 20.1 14.5 21.7

71 36.9 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: 2.713 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109622.D

Acq: 5 Oct 2018 21:32

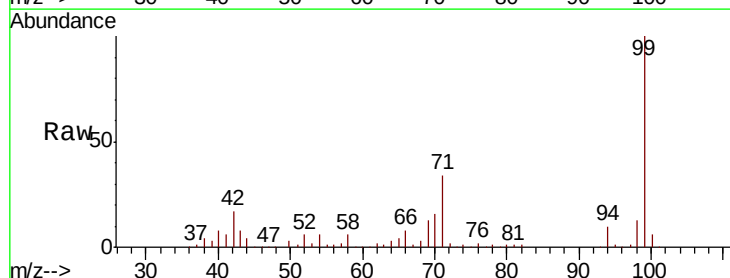
Tgt Ion: 94 Resp: 19763

Ion Ratio Lower Upper

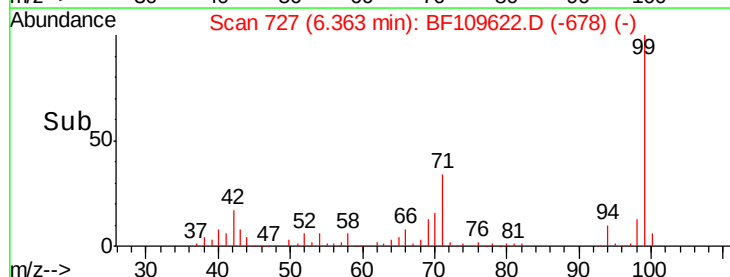
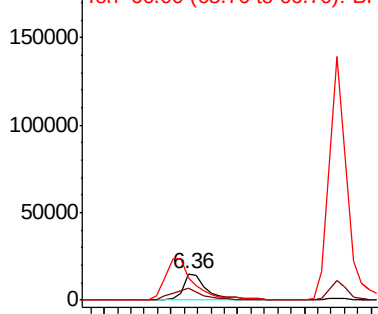
94 100

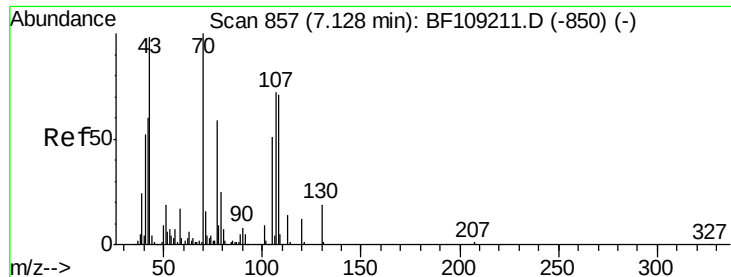
65 44.9 7.9 47.9

66 85.7 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

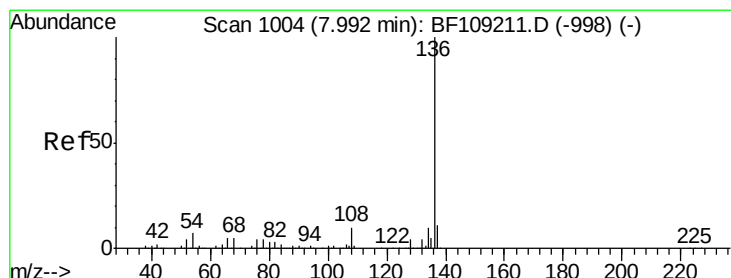
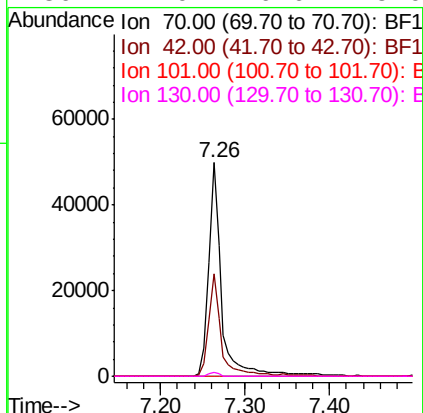
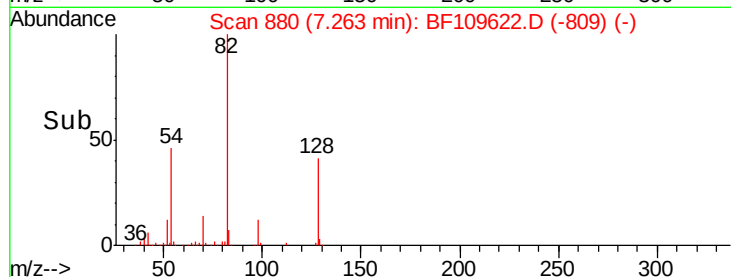
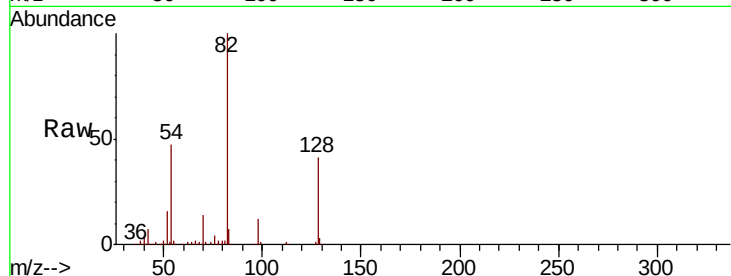




#19
n-Nitroso-di-n-propylamine
Concen: 12.793 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109622.D
Acq: 5 Oct 2018 21:32

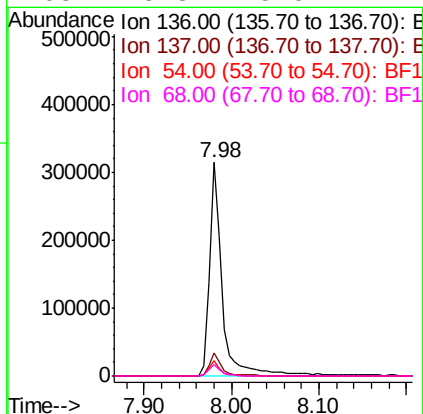
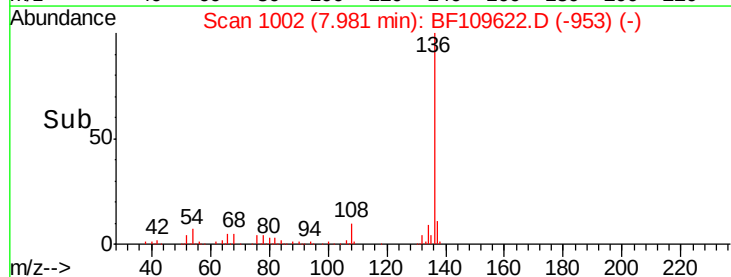
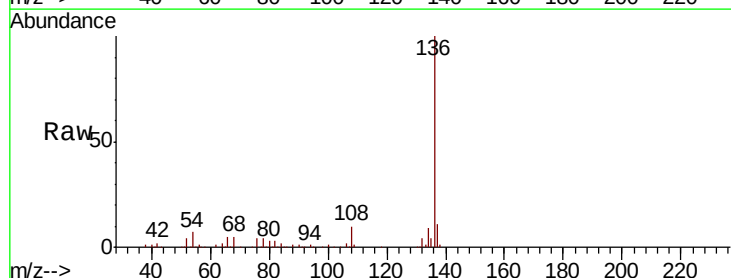
Instrument :
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TRACK-D-2

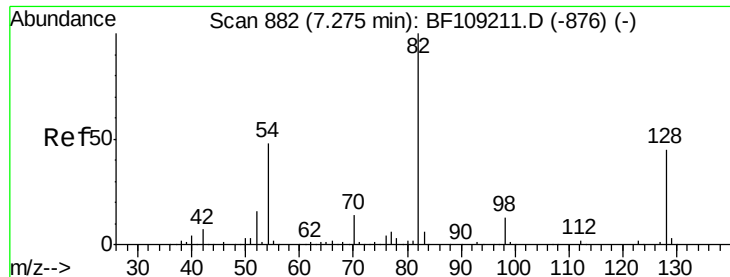
Tgt Ion: 70 Resp: 53922
Ion Ratio Lower Upper
70 100
42 47.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109622.D
Acq: 5 Oct 2018 21:32

Tgt Ion: 136 Resp: 321170
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.0 6.6 9.8
68 5.3 5.0 7.4

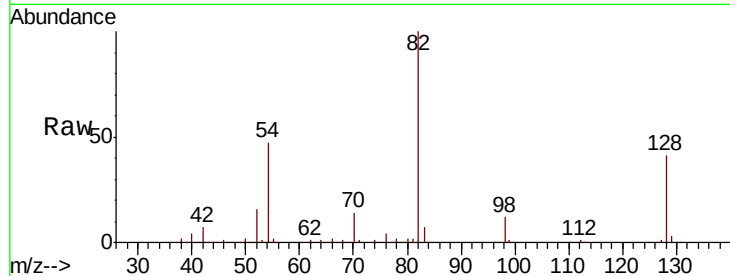




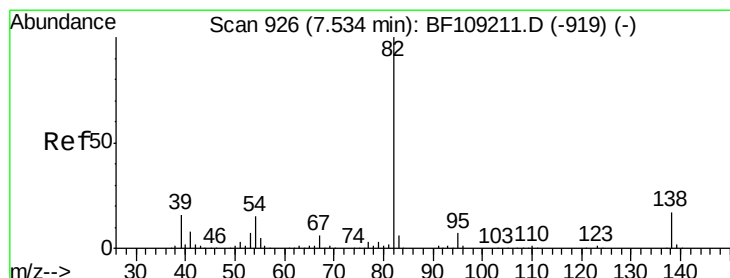
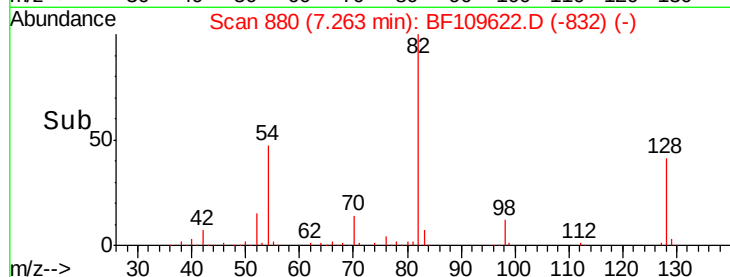
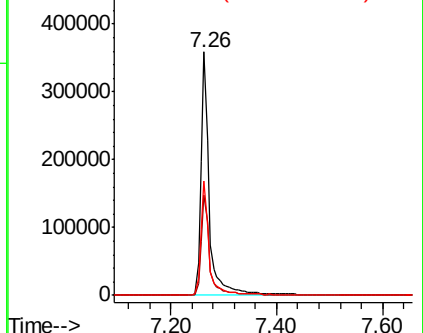
#23
 Nitrobenzene-d5
 Concen: 73.831 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-2

Tgt Ion: 82 Resp: 401689
 Ion Ratio Lower Upper
 82 100
 128 41.3 36.1 54.1
 54 46.8 41.4 62.2

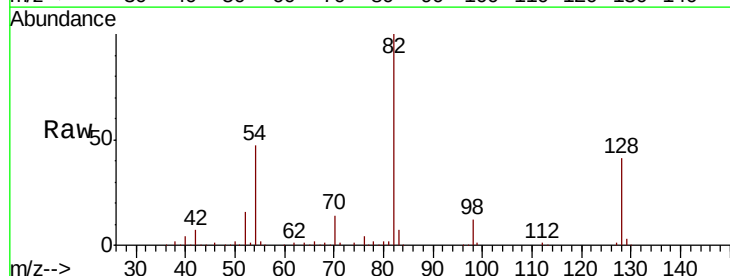


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

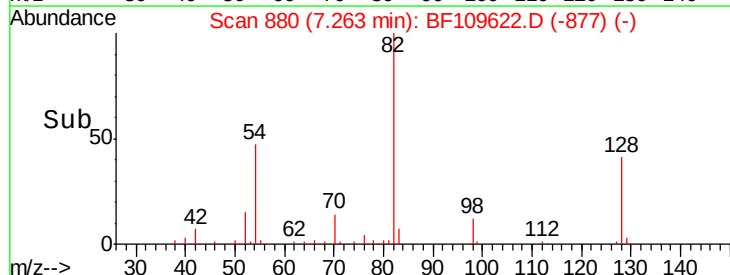
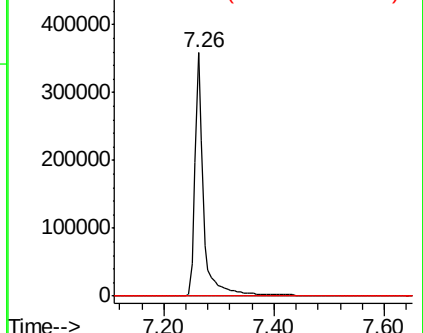


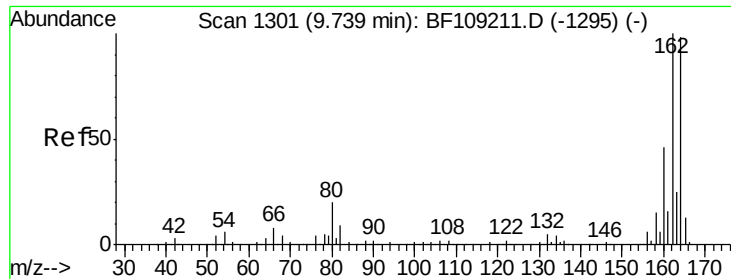
#25
 Isophorone
 Concen: 39.742 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Tgt Ion: 82 Resp: 389362
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109622.D

Acq: 5 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-2

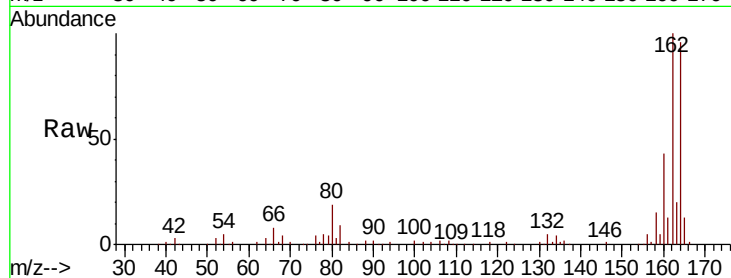
Tgt Ion:164 Resp: 142747

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

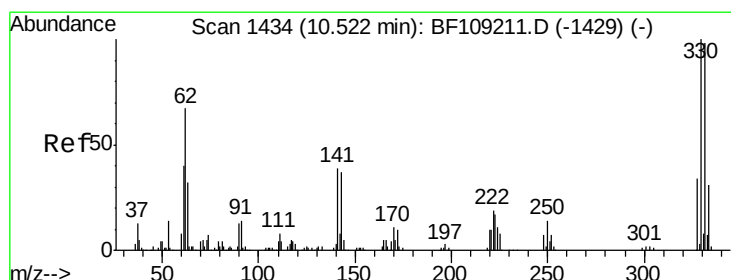
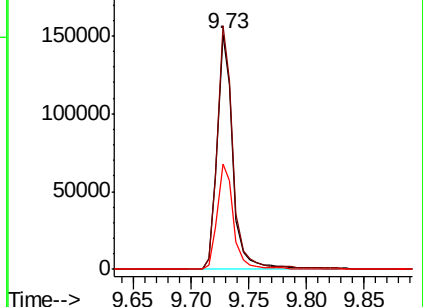
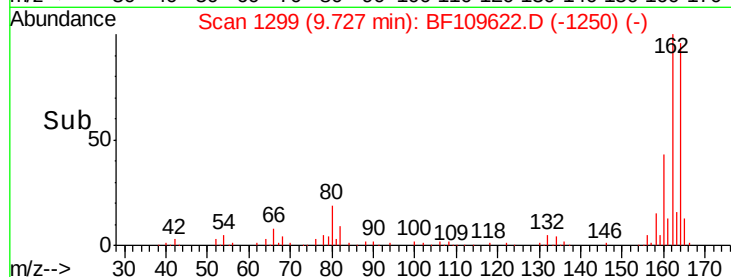
160 45.1 38.3 57.5



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: 90.574 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF109622.D

Acq: 5 Oct 2018 21:32

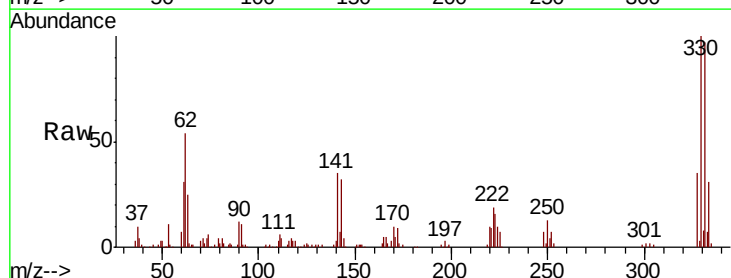
Tgt Ion:330 Resp: 127455

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

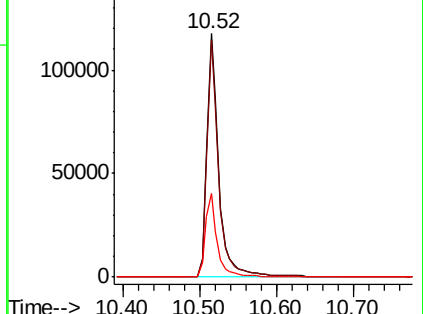
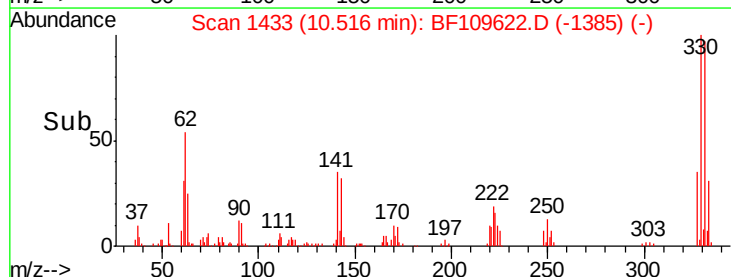
141 34.0 29.9 44.9

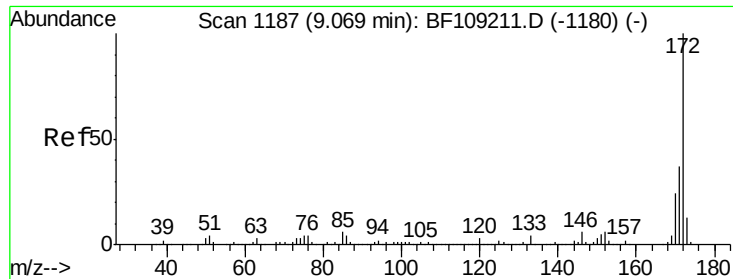


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

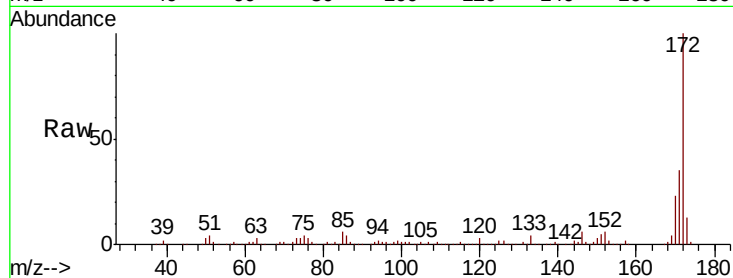




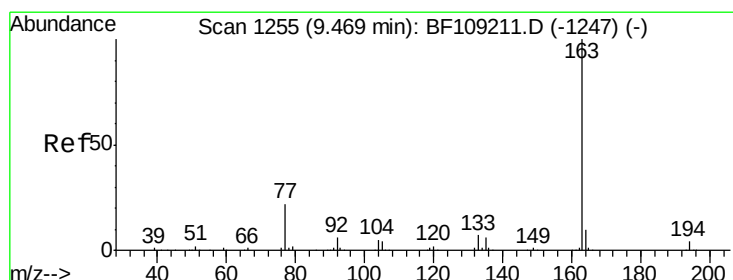
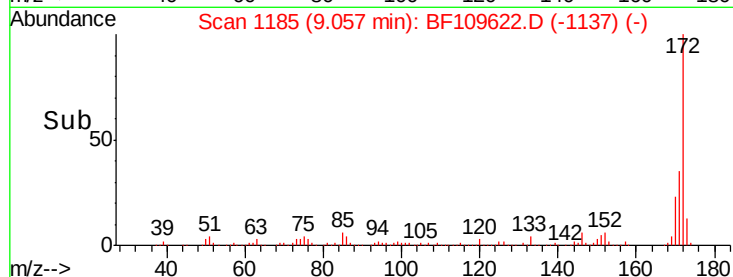
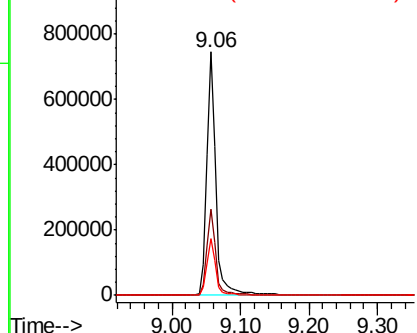
#44
2-Fluorobiphenyl
Concen: 76.898 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109622.D
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.4	19.6	29.4

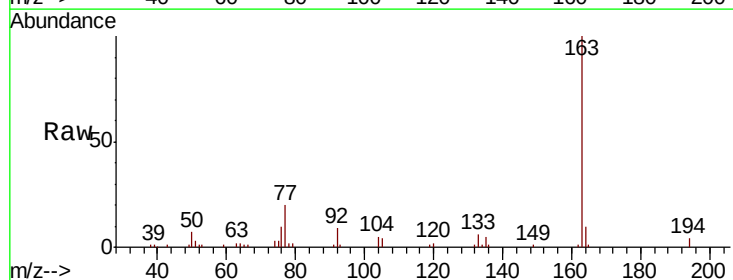


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

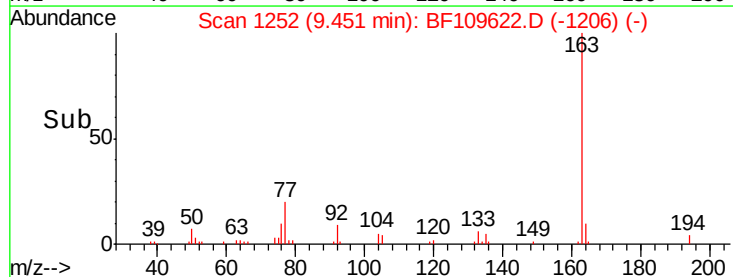
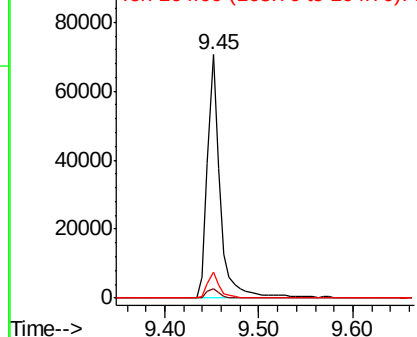


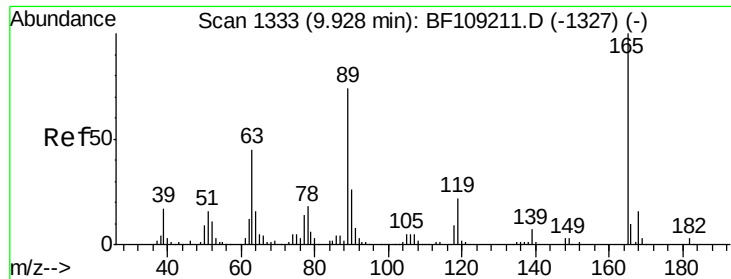
#49
Dimethylphthalate
Concen: 6.521 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109622.D
Acq: 5 Oct 2018 21:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.5	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

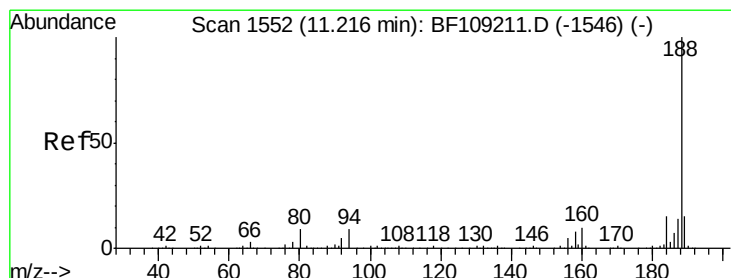
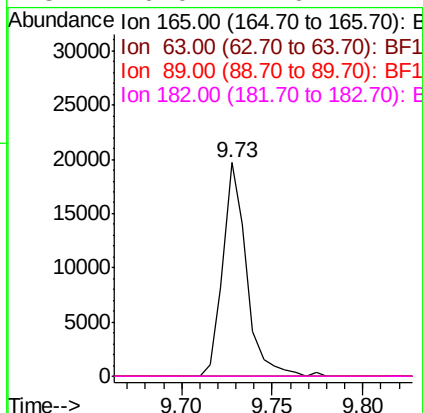
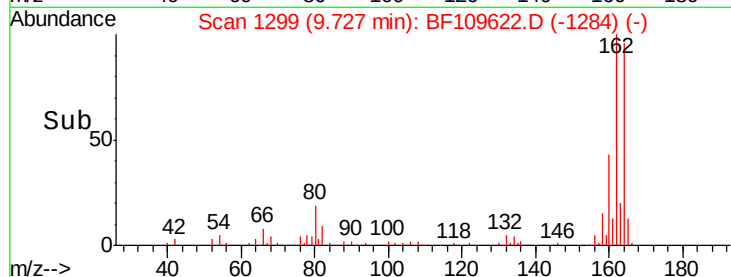
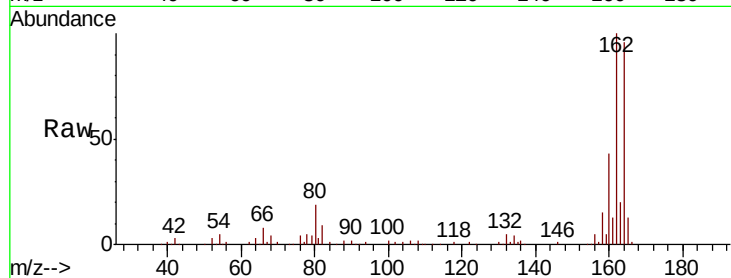




#56
 2,4-Dinitrotoluene
 Concen: 6.892 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

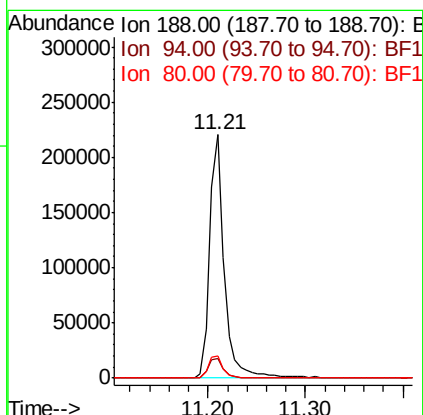
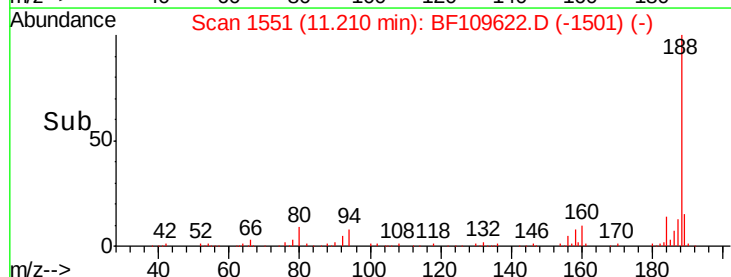
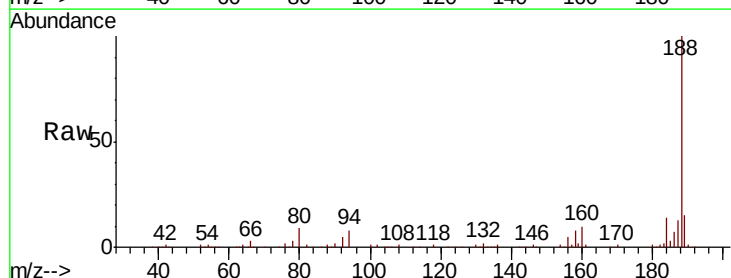
Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-2

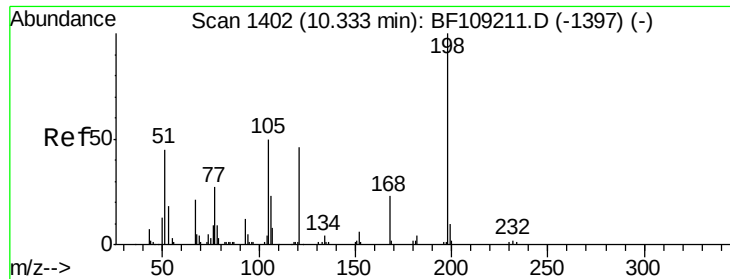
Tgt Ion:	165	Resp:	17931
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Tgt Ion:	188	Resp:	229807
Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	8.9	9.2	13.8#

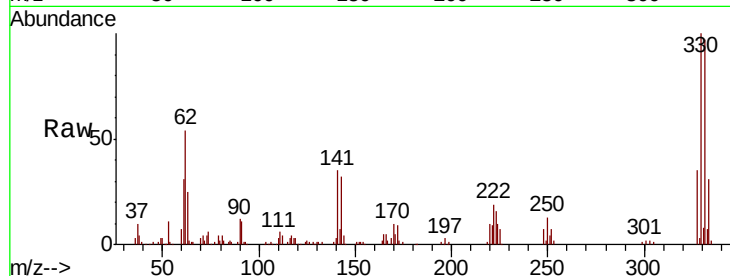




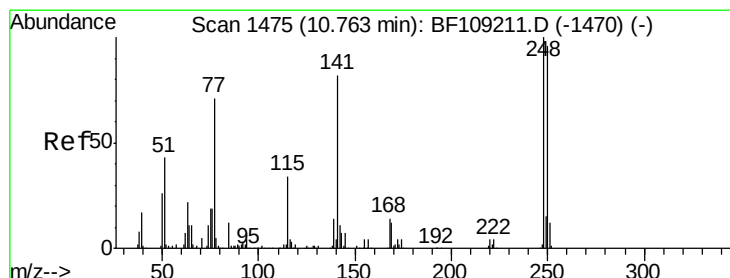
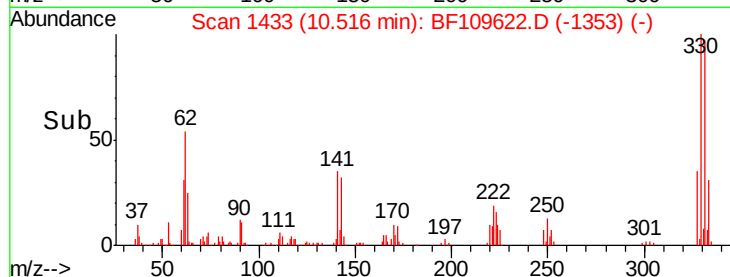
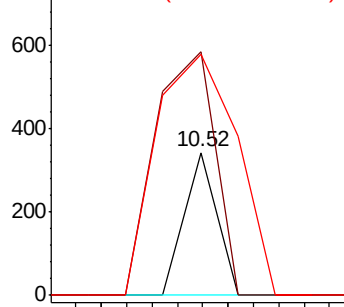
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.633 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-2

Tgt Ion:198 Resp: 121
 Ion Ratio Lower Upper
 198 100
 51 170.8 37.7 77.7#
 105 168.7 36.3 76.3#

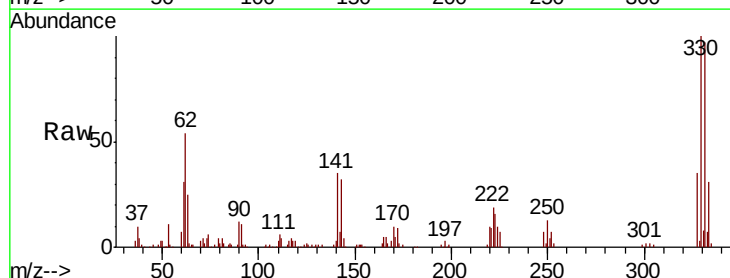


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

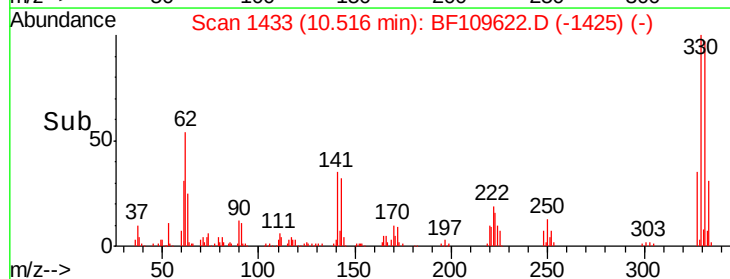
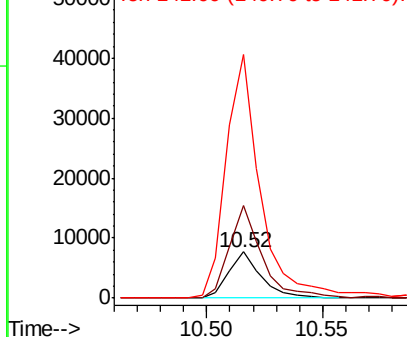


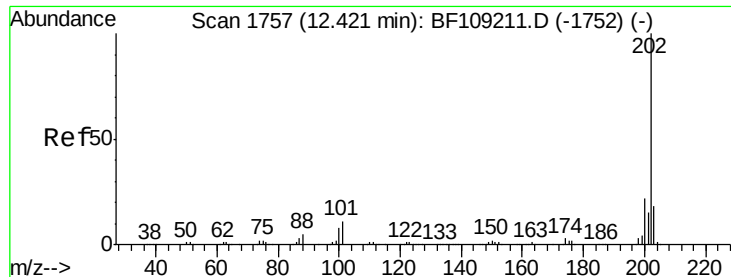
#66
 4-Bromophenyl-phenylether
 Concen: 2.981 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Tgt Ion:248 Resp: 7606
 Ion Ratio Lower Upper
 248 100
 250 200.8 76.9 115.3#
 141 527.4 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

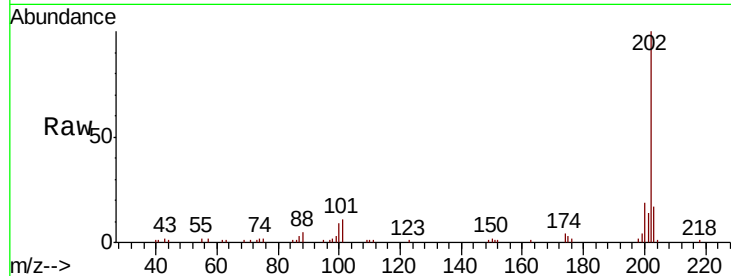




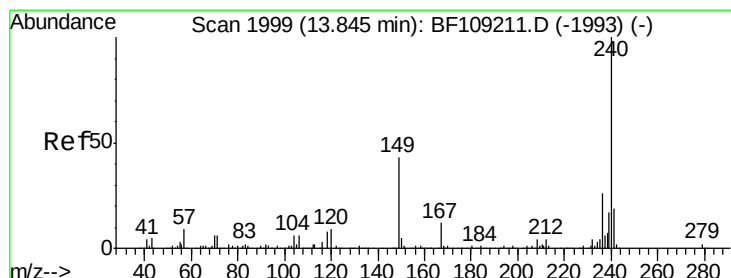
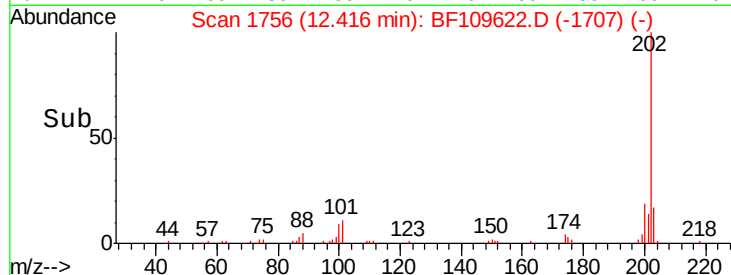
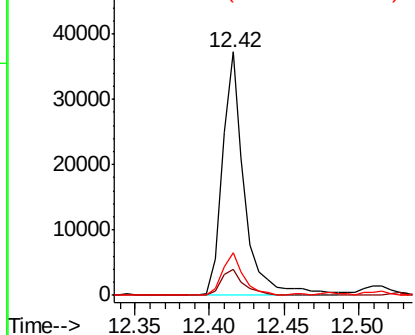
#74
 Fluoranthene
 Concen: 3.141 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.3	0.0	38.1

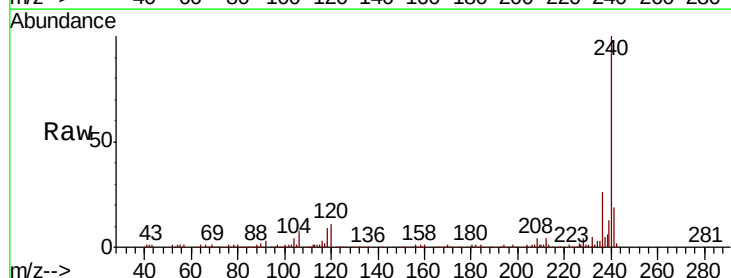


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

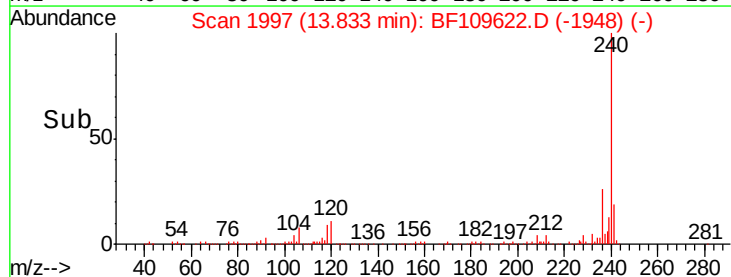
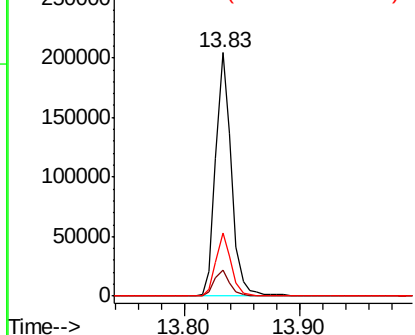


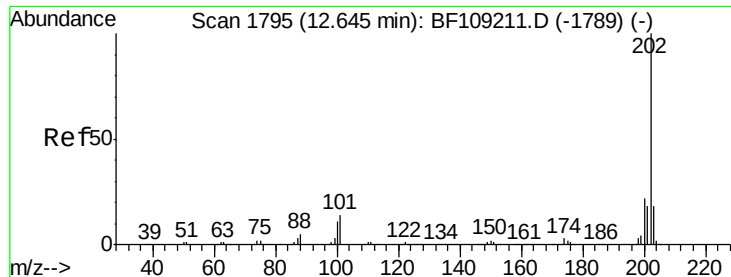
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.01 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	26.0	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

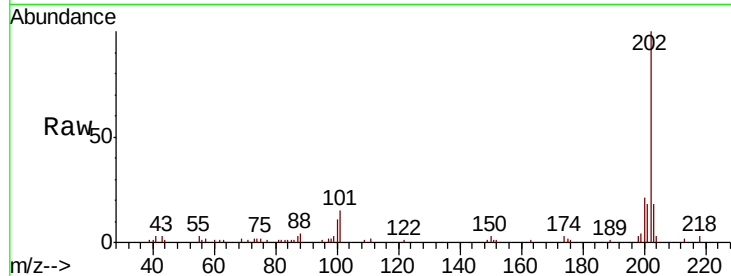




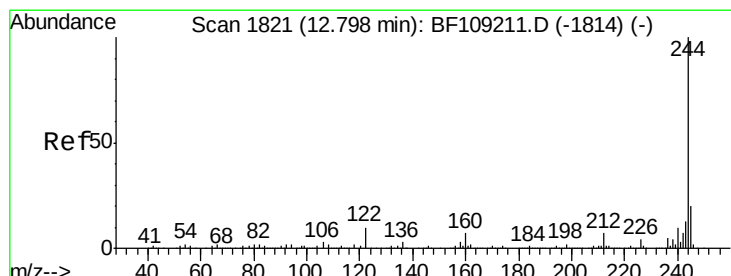
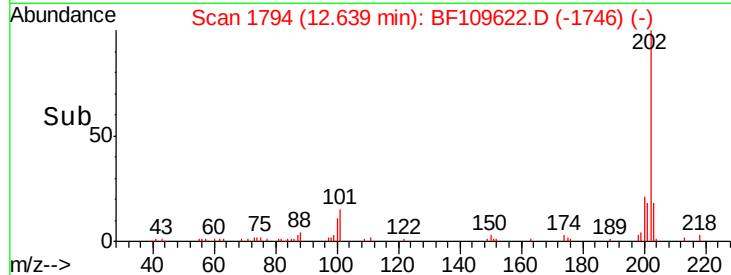
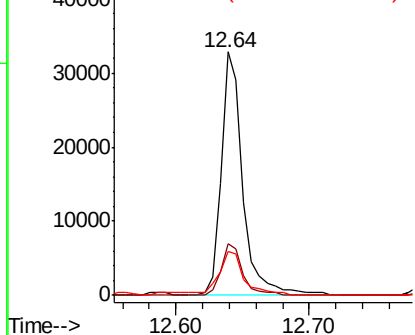
#77
 Pyrene
 Concen: 2.684 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. -0.02 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-2

Tgt Ion: 202 Resp: 37307
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.4 26.2
 203 18.0 14.3 21.5

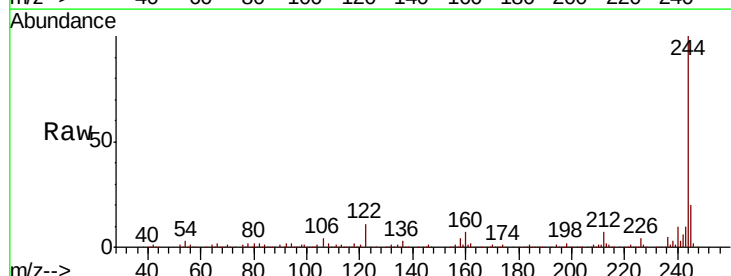


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

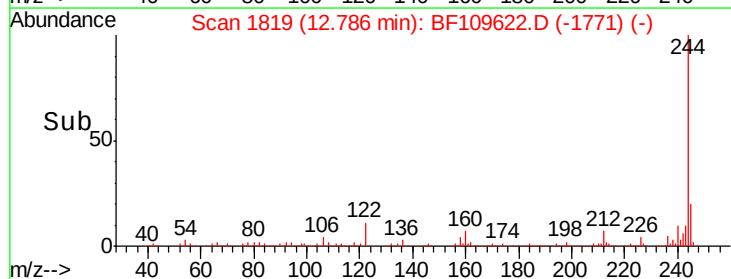
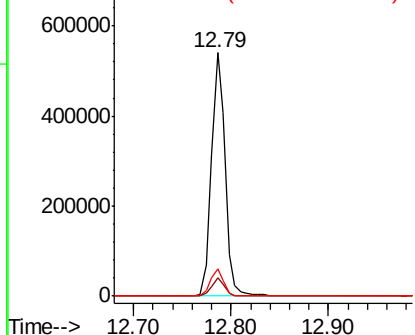


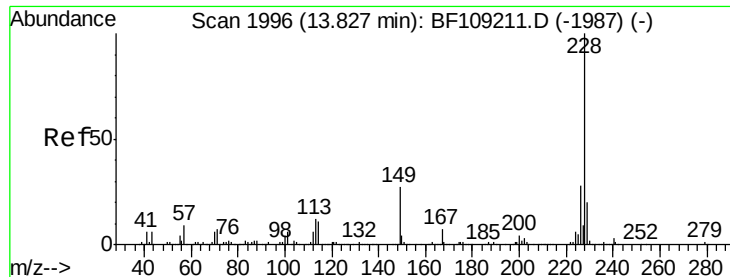
#78
 Terphenyl-d14
 Concen: 66.522 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.02 min
 Lab File: BF109622.D
 Acq: 5 Oct 2018 21:32

Tgt Ion: 244 Resp: 525725
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 11.3 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





#80

Benzo(a)anthracene

Concen: 2.074 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF109622.D

Acq: 5 Oct 2018 21:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-2

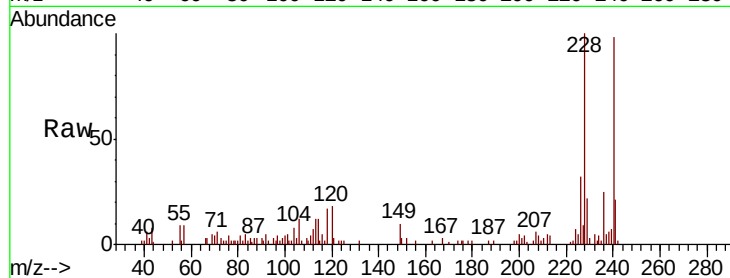
Tgt Ion:228 Resp: 24231

Ion Ratio Lower Upper

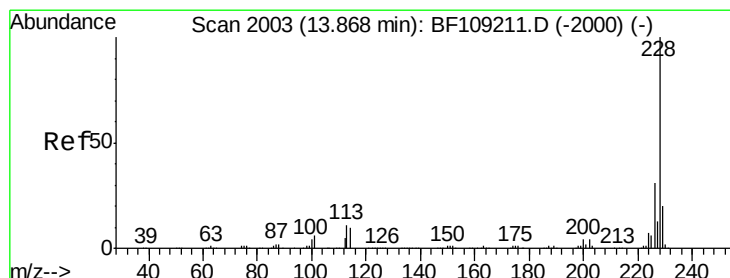
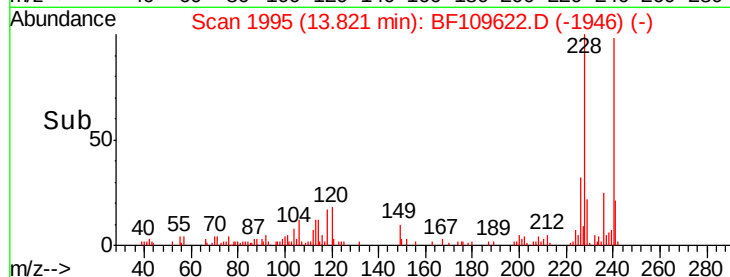
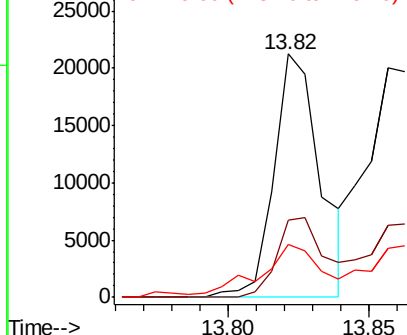
228 100

226 31.7 22.6 33.8

229 21.7 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: 2.390 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF109622.D

Acq: 5 Oct 2018 21:32

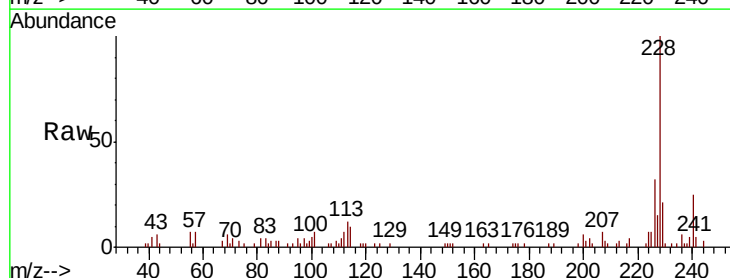
Tgt Ion:228 Resp: 27673

Ion Ratio Lower Upper

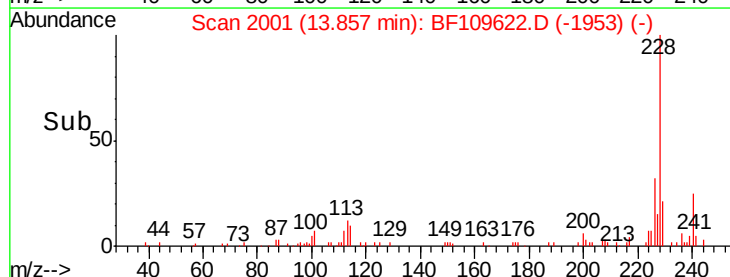
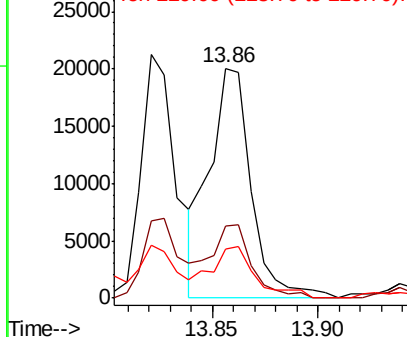
228 100

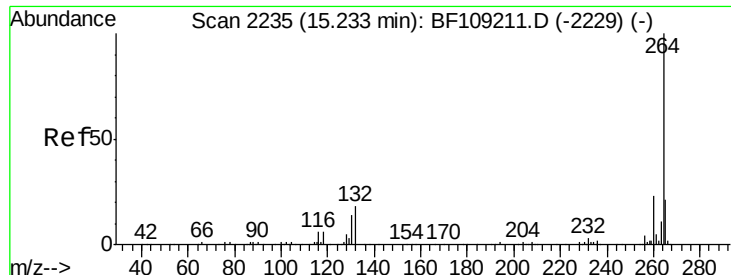
226 31.5 25.0 37.6

229 21.1 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

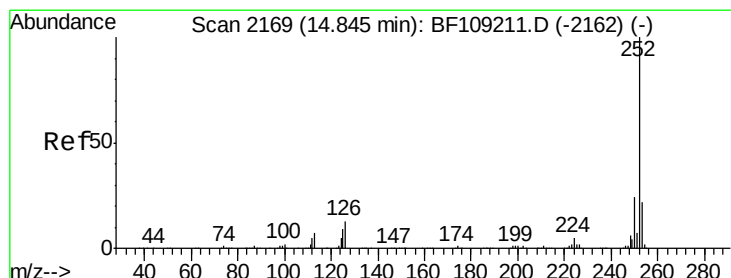
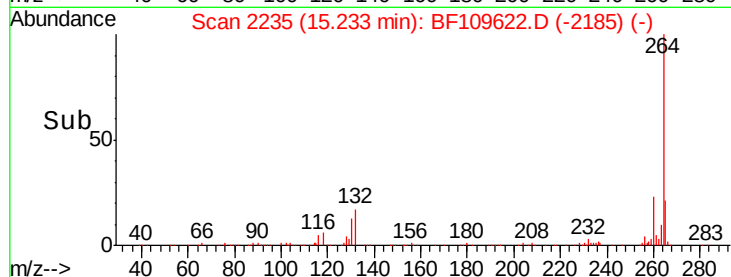
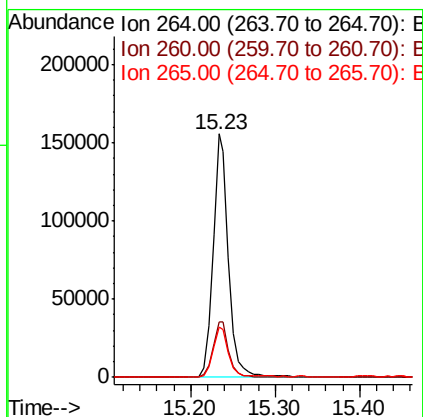
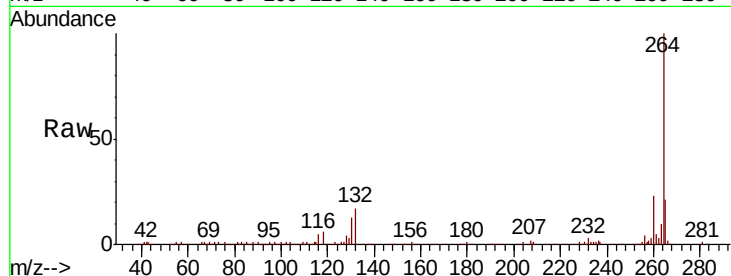




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF109622.D
Acq: 5 Oct 2018 21:32

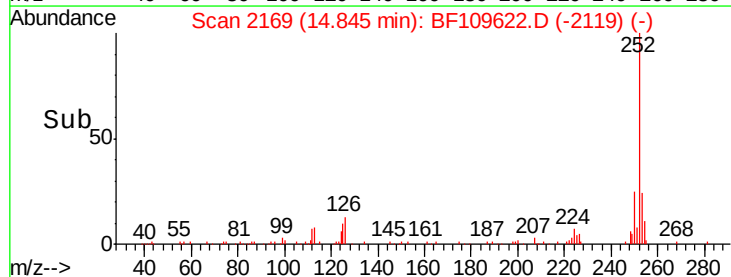
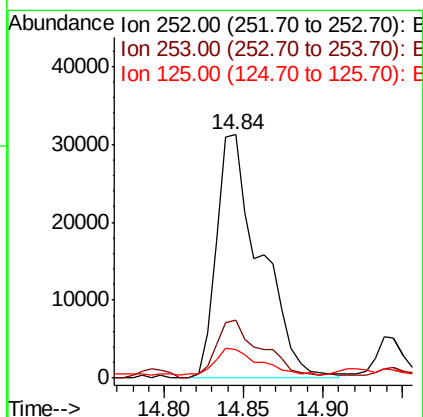
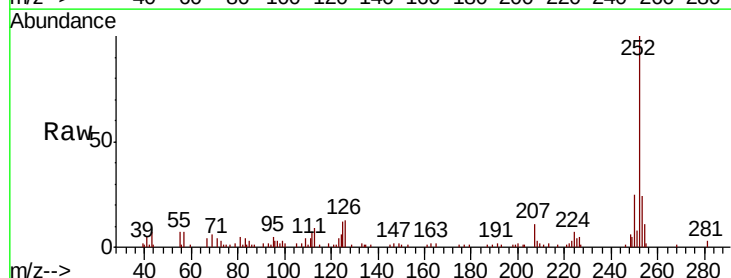
Instrument :
BNA_F
ClientSampleId :
TRACK-D-2

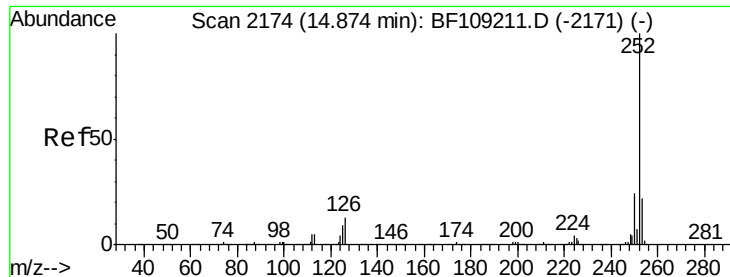
Tgt Ion:264 Resp: 200922
Ion Ratio Lower Upper
264 100
260 22.6 19.2 28.8
265 20.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.437 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109622.D
Acq: 5 Oct 2018 21:32

Tgt Ion:252 Resp: 60029
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 11.9 9.0 13.6

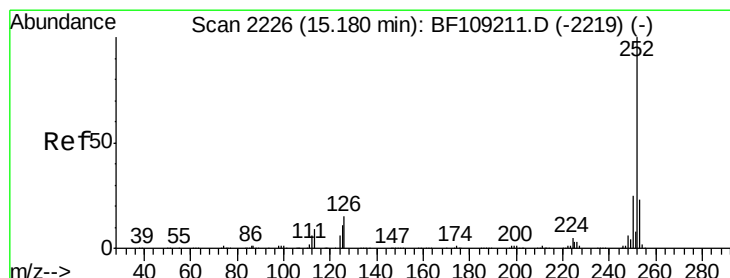
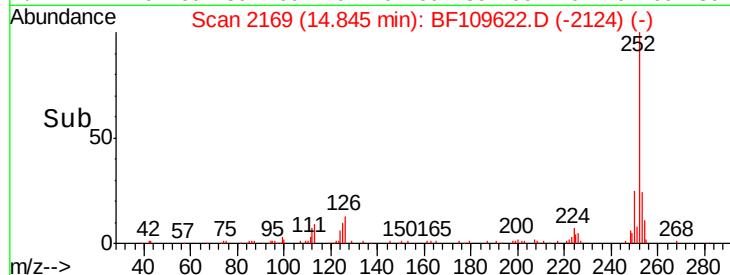
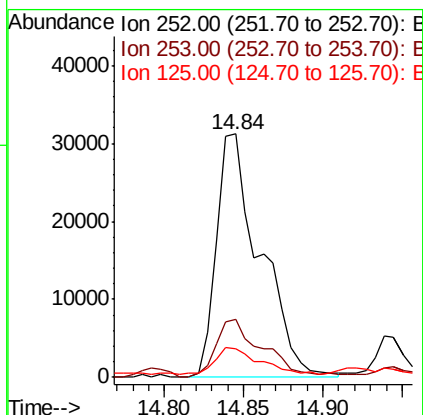
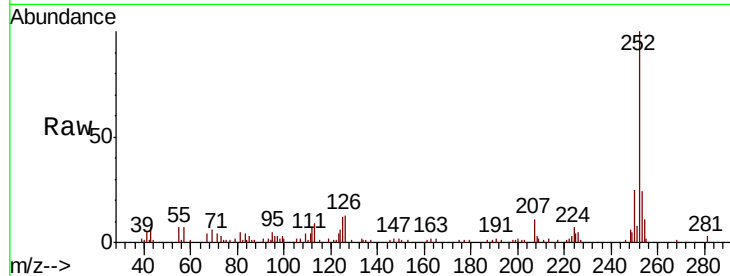




#88
Benzo(k)fluoranthene
Concen: 5.730 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109622.D
Acq: 5 Oct 2018 21:32

Instrument :
BNA_F
ClientSampleId :
TRACK-D-2

Tgt Ion:252 Resp: 60029
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 11.9 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.016 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109622.D
Acq: 5 Oct 2018 21:32

Tgt Ion:252 Resp: 20054
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 13.9 9.8 14.6

