

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
 Data File : BF110332.D
 Acq On : 31 Oct 2018 14:59
 Operator : JU/SJ
 Sample : J5202-09 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 16:49:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 31 14:18:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	67665	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	239827	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	97840	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	190974	20.00	ng	0.00
76) Chrysene-d12	14.17	240	185666	20.00	ng	0.00
87) Perylene-d12	15.71	264	122068	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	192618	46.36	ng	0.00
7) Phenol-d6	6.59	99	227455	42.80	ng	-0.01
23) Nitrobenzene-d5	7.53	82	130698	32.32	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	45518	46.97	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	227212	36.47	ng	0.00
79) Terphenyl-d14	13.10	244	258581	28.96	ng	0.00

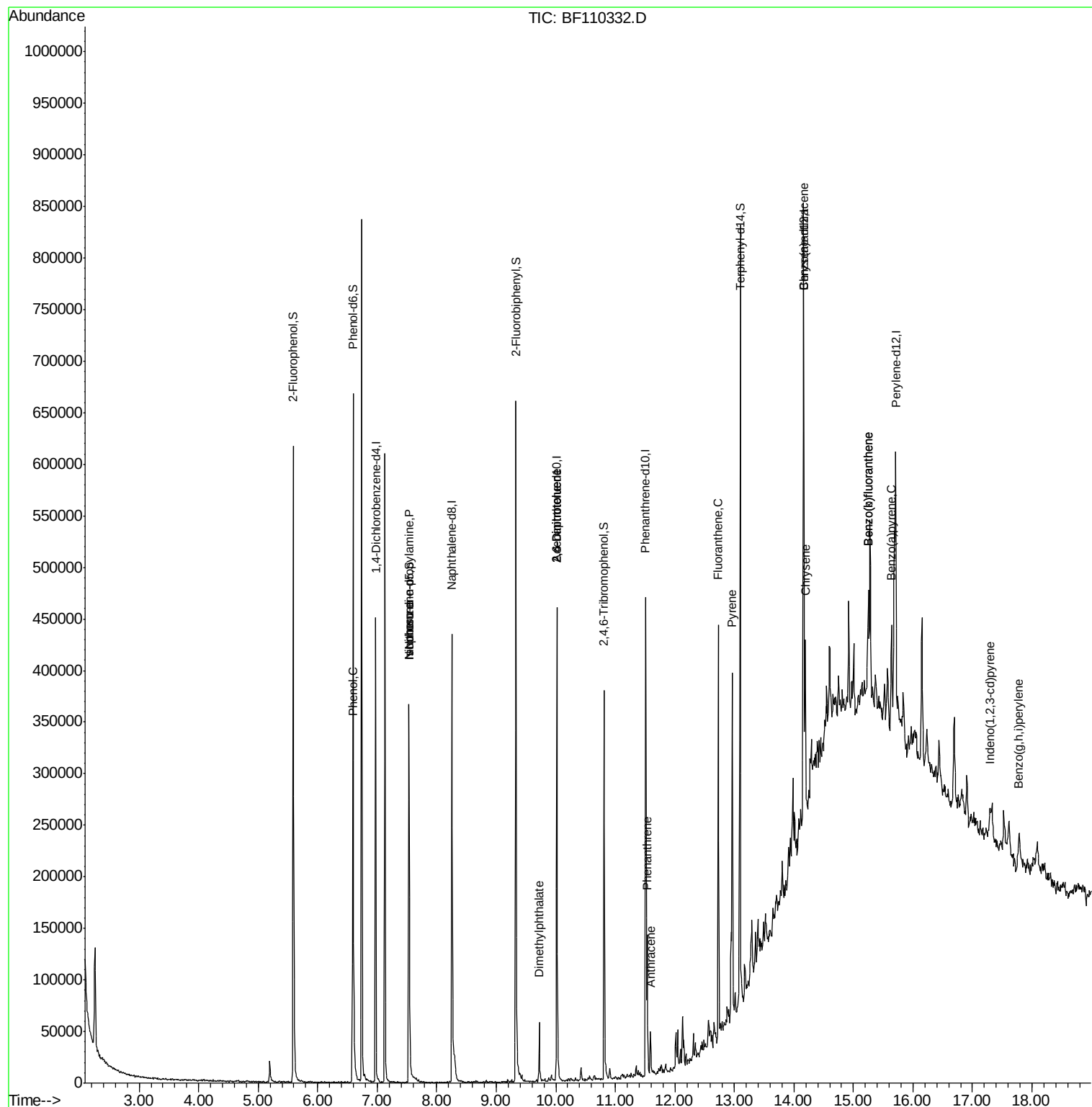
Target Compounds				Qvalue		
9) Benzaldehyde	6.59	77	237	Below Cal	#	1
10) Phenol	6.60	94	14274	2.513 ng	#	74
19) n-Nitroso-di-n-propylamine	7.53	70	17507	5.135 ng	#	78
25) Isophorone	7.53	82	130697	18.962 ng	#	67
50) Dimethylphthalate	9.72	163	26545	3.675 ng		99
51) 2,6-Dinitrotoluene	10.02	165	12412	7.978 ng	#	21
57) 2,4-Dinitrotoluene	10.02	165	12412	6.281 ng	#	17
71) Phenanthrene	11.53	178	49391	4.943 ng		99
72) Anthracene	11.59	178	22186	2.215 ng		97
75) Fluoranthene	12.73	202	151741	14.963 ng		98
77) Benzidine	12.88	184	232	Below Cal	#	1
78) Pyrene	12.96	202	142412	10.699 ng		96
81) Benzo(a)anthracene	14.16	228	80062	7.272 ng		97
83) Chrysene	14.19	228	70057	6.699 ng		97
86) Indeno(1,2,3-cd)pyrene	17.29	276	19911	2.295 ng		95
88) Benzo(b)fluoranthene	15.24	252	81774	11.601 ng	#	85
89) Benzo(k)fluoranthene	15.24	252	81774	11.800 ng	#	84
90) Benzo(a)pyrene	15.64	252	39743	6.127 ng	#	91
92) Benzo(a,h,i)perylene	17.79	276	18861	3.420 ng	#	82

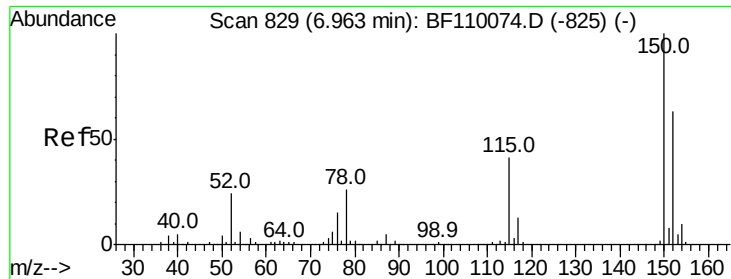
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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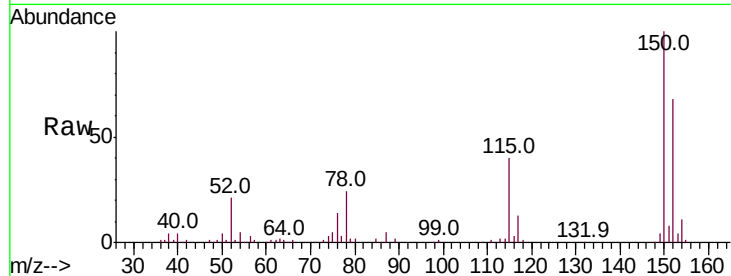


#1

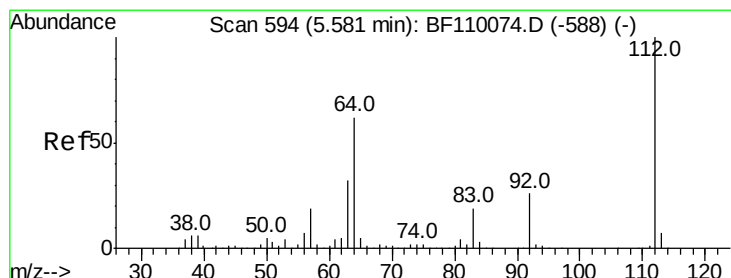
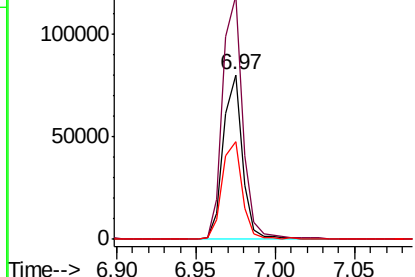
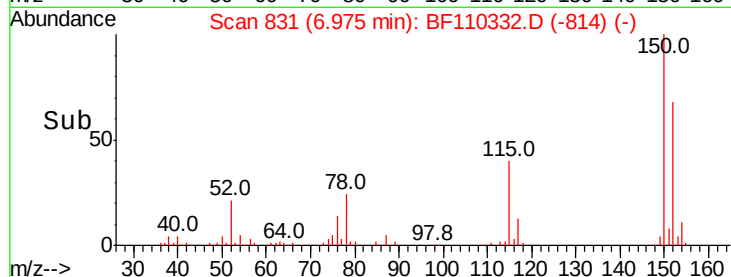
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF110332.D
Acq: 31 Oct 2018 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67665
Ion Ratio Lower Upper
152 100
150 147.7 122.7 184.1
115 59.0 49.1 73.7



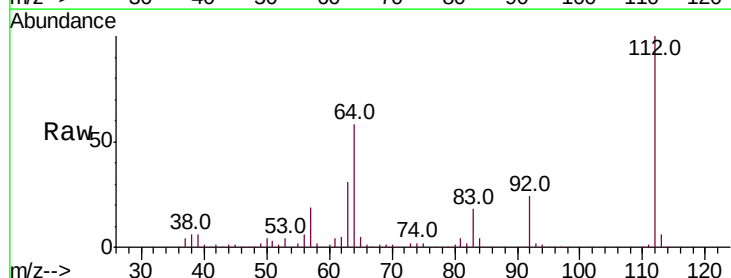
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



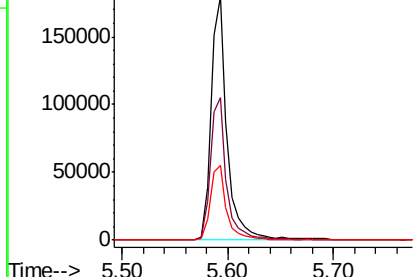
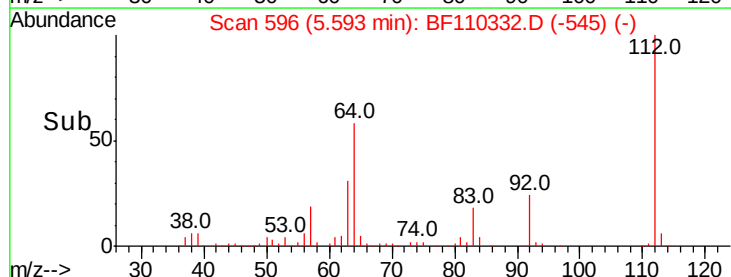
#5

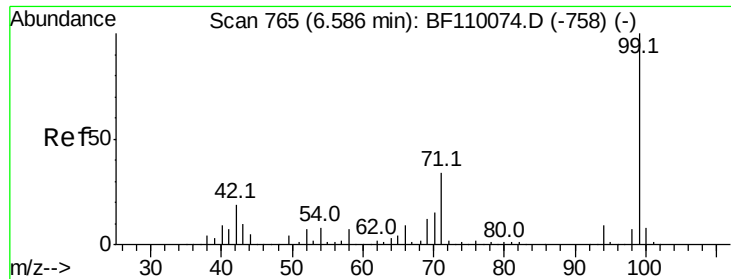
2-Fluorophenol
Concen: 46.356 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF110332.D
Acq: 31 Oct 2018 14:59

Tgt Ion:112 Resp: 192618
Ion Ratio Lower Upper
112 100
64 58.4 44.1 66.1
63 30.7 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: 42.797 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

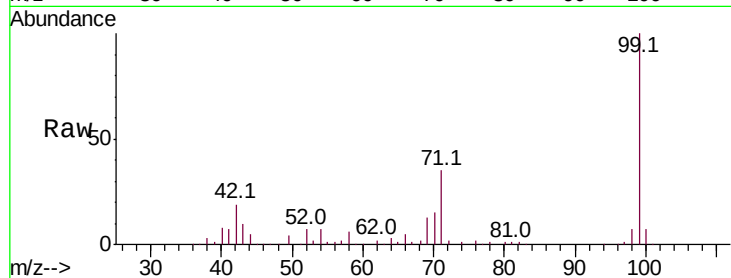
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 227455

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.8	23.6
71	34.6	28.0	42.0

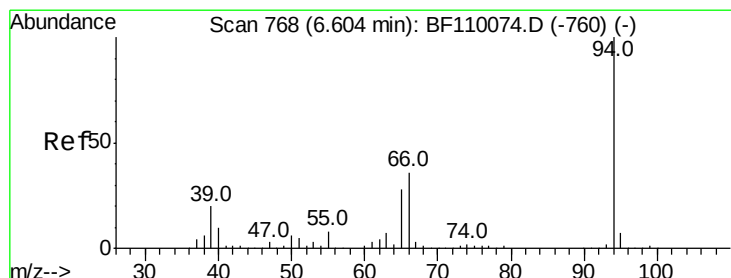
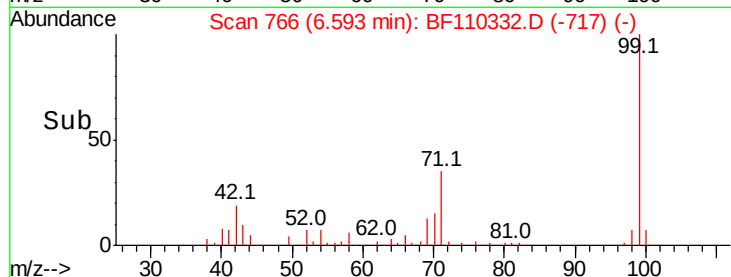
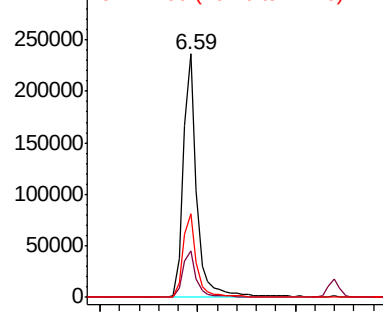


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.513 ng

RT: 6.60 min Scan# 768

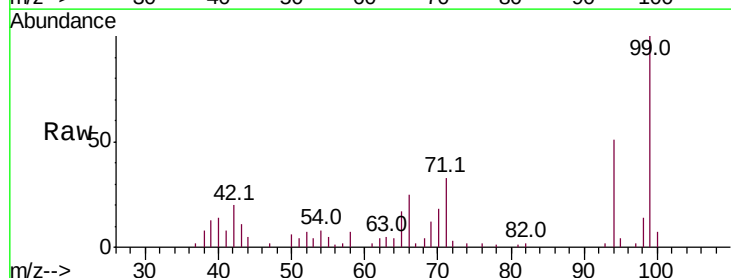
Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

Tgt Ion: 94 Resp: 14274

Ion	Ratio	Lower	Upper
94	100		
65	32.9	25.3	65.3
66	49.2	54.5	94.5#

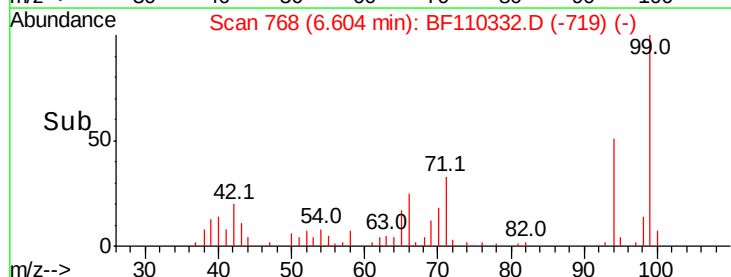
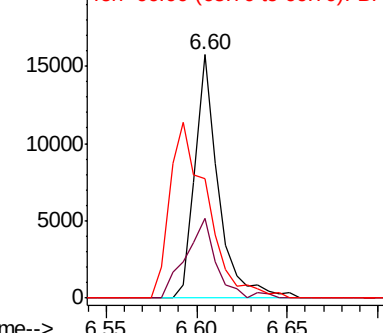


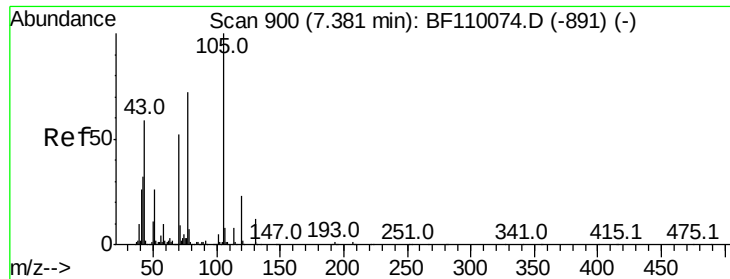
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

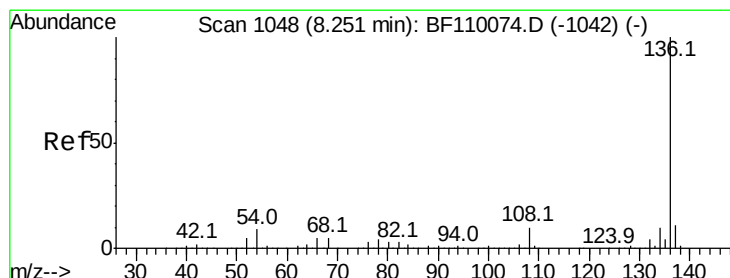
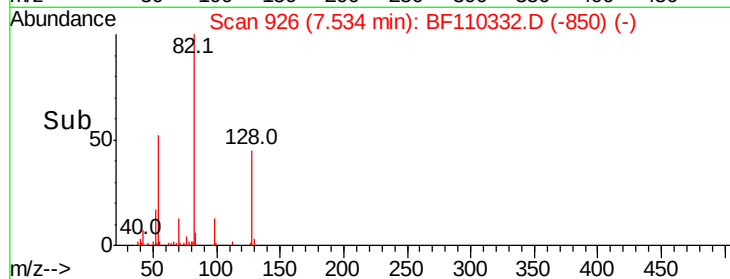
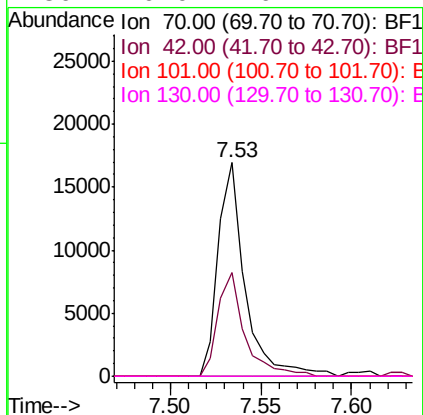
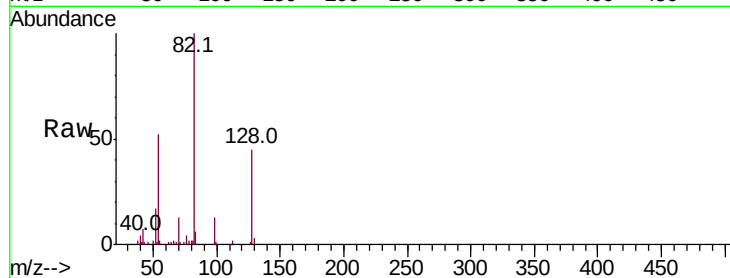




#19
n-Nitroso-di-n-propylamine
Concen: 5.135 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF110332.D
Acq: 31 Oct 2018 14:59

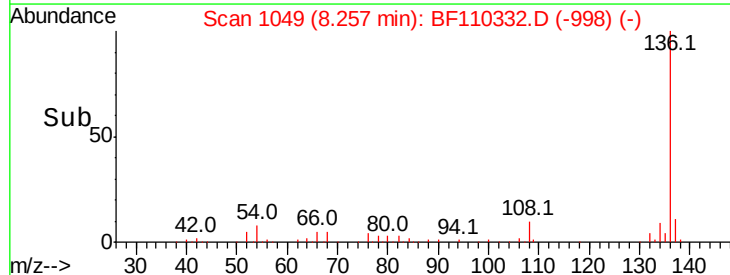
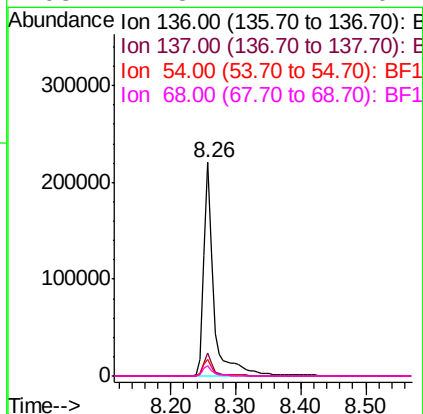
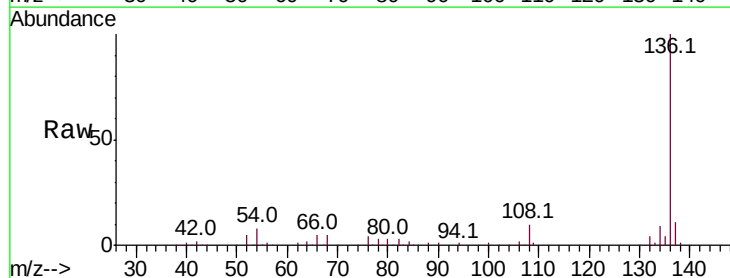
Instrument :
BNA_F
ClientSampled :

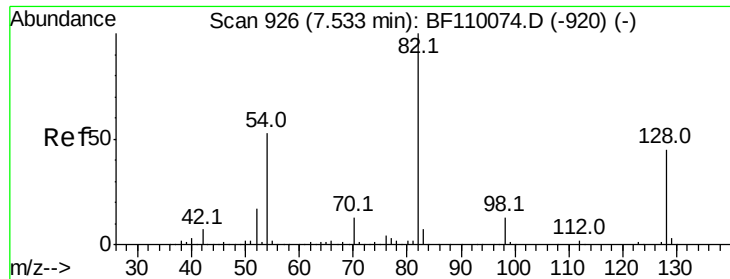
Tot Ion: 70 Resp: 17507
Ion Ratio Lower Upper
70 100
42 48.4 47.4 71.2
101 0.0 7.3 10.9#
130 0.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF110332.D
Acq: 31 Oct 2018 14:59

Tgt Ion: 136 Resp: 239827
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.8 5.4 8.2
68 4.8 4.2 6.2

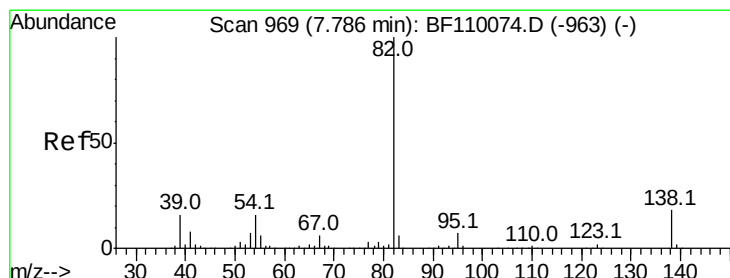
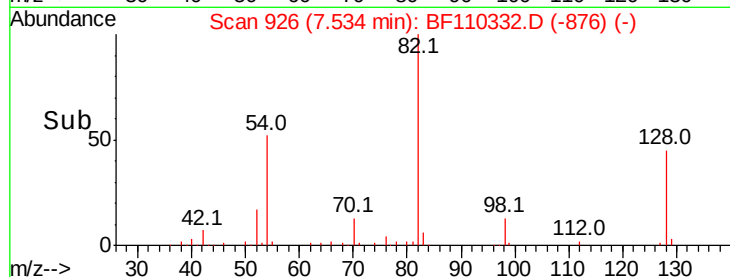
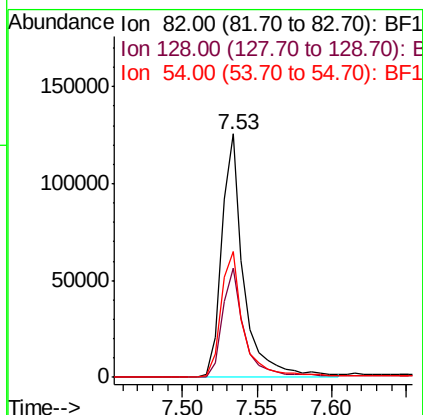
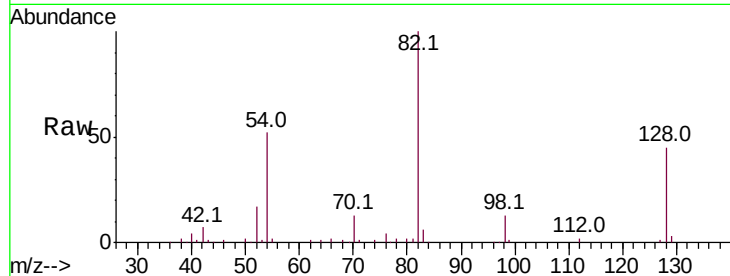




#23
 Nitrobenzene-d5
 Concen: 32.324 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF110332.D
 Acq: 31 Oct 2018 14:59

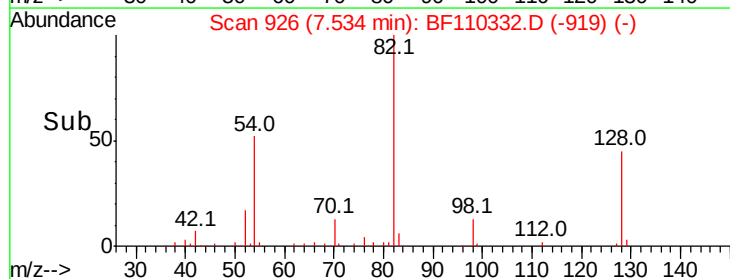
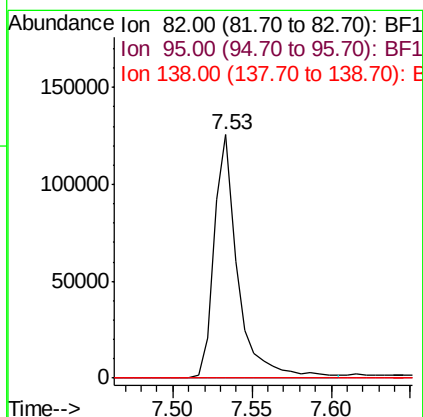
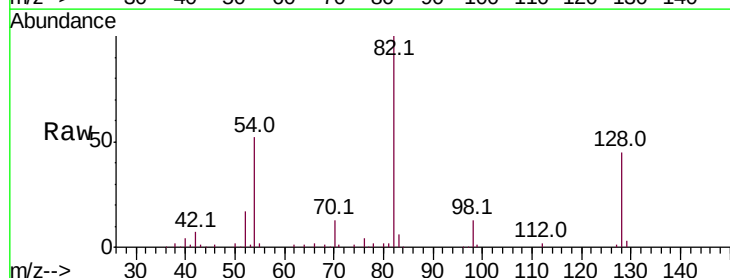
Instrument :
 BNA_F
 ClientSampleId :

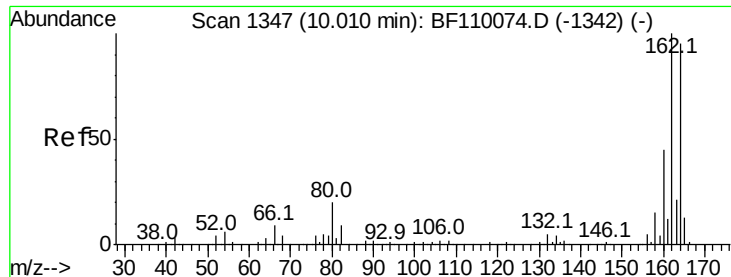
Tot Ion	82	Resp	130698
Ion Ratio	Lower	Upper	
82	100		
128	44.7	34.2	51.2
54	51.5	38.6	58.0



#25
 Isophorone
 Concen: 18.962 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.26 min
 Lab File: BF110332.D
 Acq: 31 Oct 2018 14:59

Tgt Ion	82	Resp	130697
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

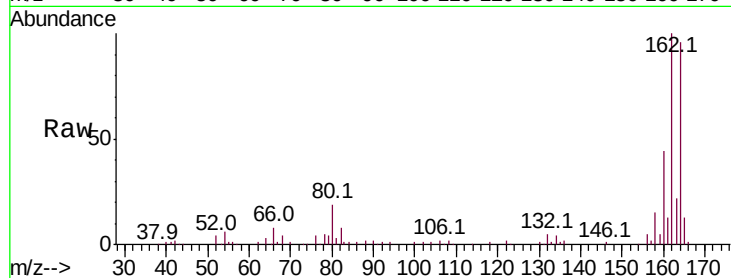
Instrument :

BNA_F

ClientSampled :

Tot Ion:164 Resp: 97840

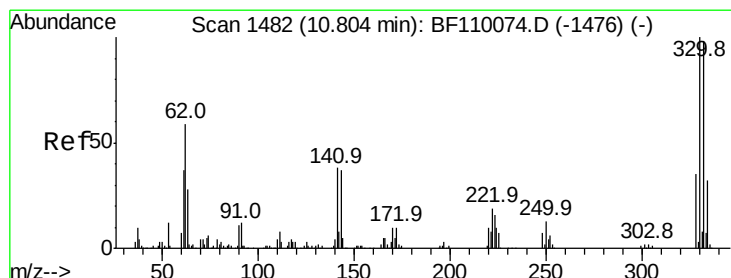
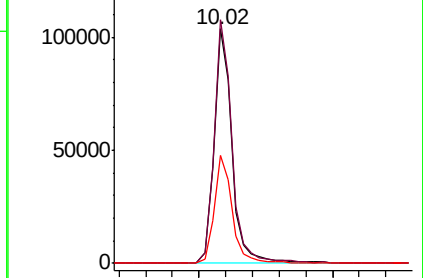
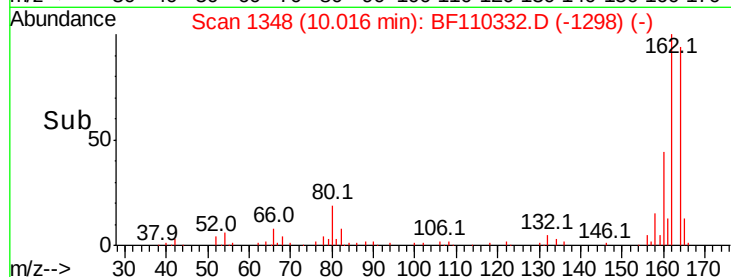
Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.0	124.6
160	45.8	37.0	55.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 46.966 ng

RT: 10.81 min Scan# 1483

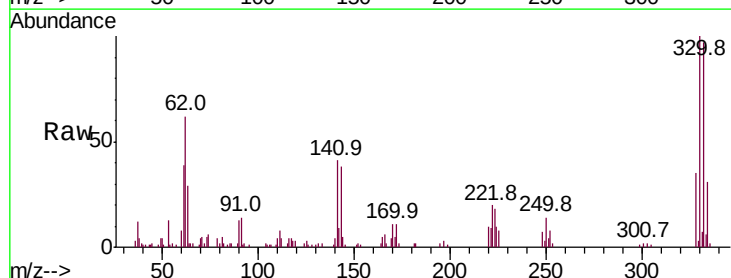
Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

Tgt Ion:330 Resp: 45518

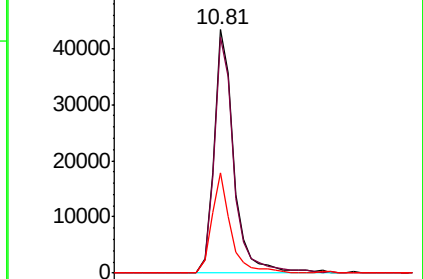
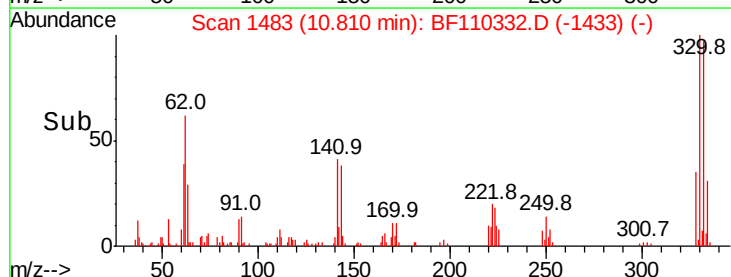
Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	38.9	27.0	40.4

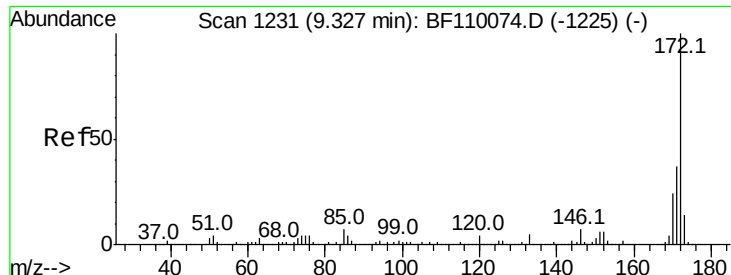


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

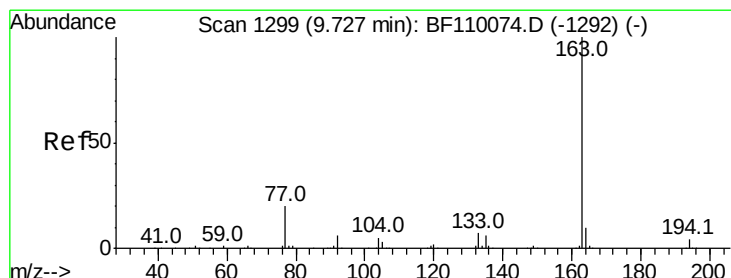
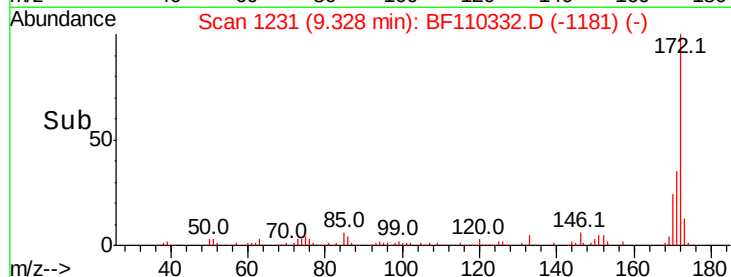
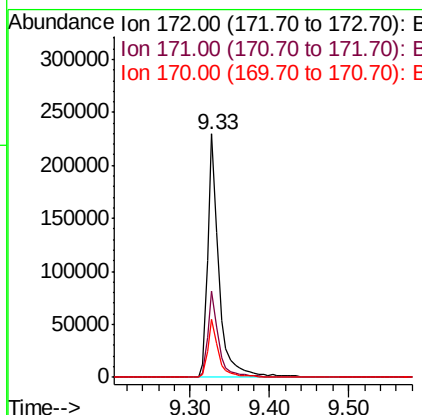
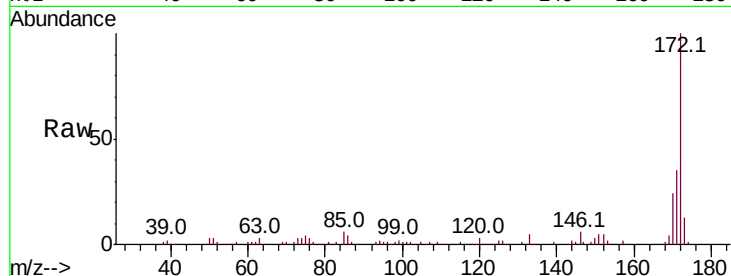




#45
 2-Fluorobiphenyl
 Concen: 36.466 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110332.D
 Acq: 31 Oct 2018 14:59

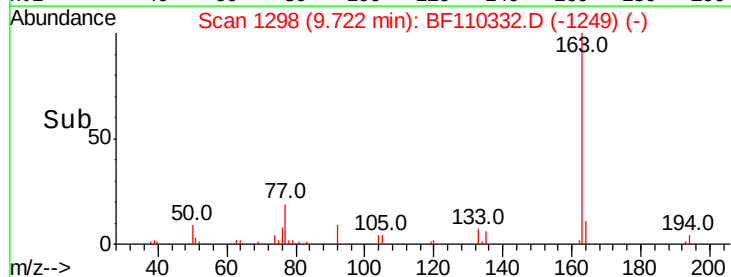
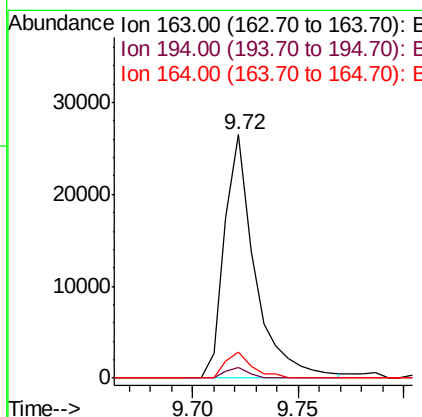
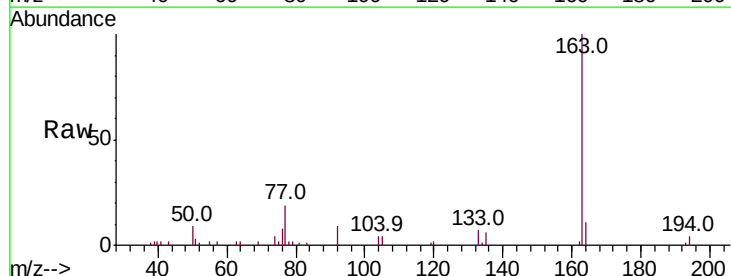
Instrument :
 BNA_F
 ClientSampleId :

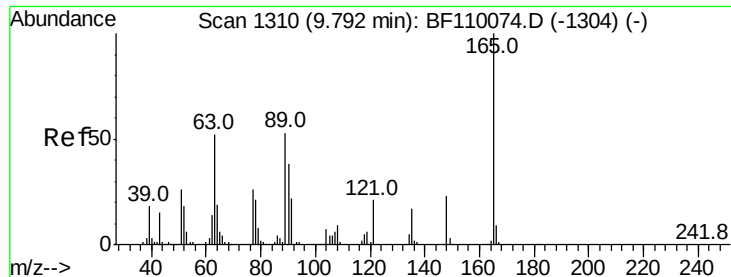
Tot Ion:172 Resp: 227212
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 43.0
 170 23.8 19.7 29.5



#50
 Dimethylphthalate
 Concen: 3.675 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF110332.D
 Acq: 31 Oct 2018 14:59

Tgt Ion:163 Resp: 26545
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.2 4.8
 164 10.5 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 7.978 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.21 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

Instrument :

BNA_F

ClientSampleId :

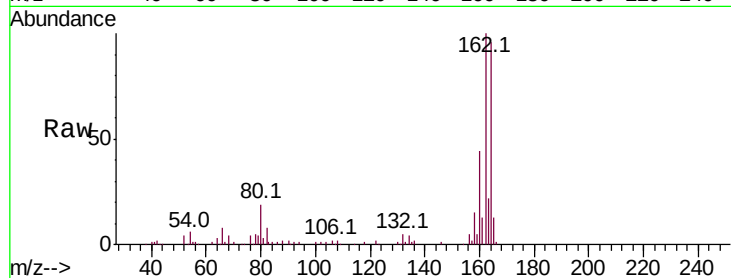
Tot Ion:165 Resp: 12412

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

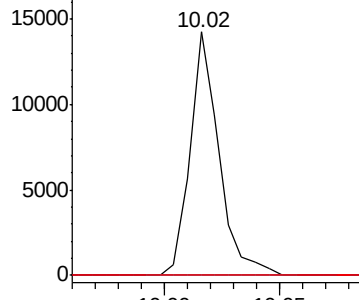
89 0.0 46.6 69.8#



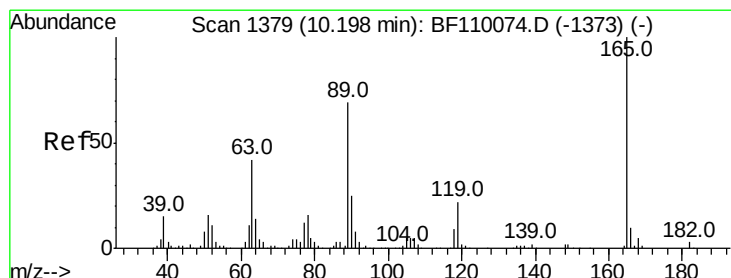
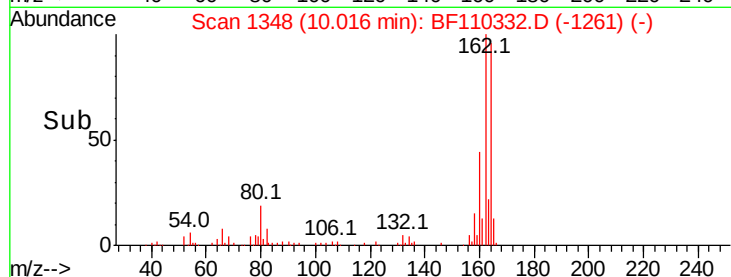
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



Time-->



#57

2,4-Dinitrotoluene

Concen: 6.281 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.20 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

Tgt Ion:165 Resp: 12412

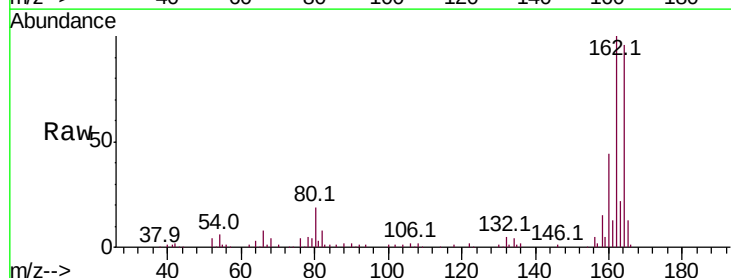
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

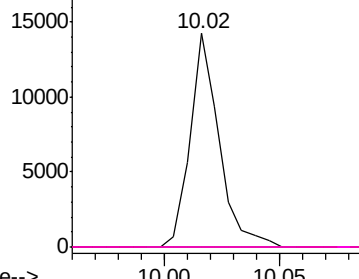


Abundance Ion 165.00 (164.70 to 165.70): E

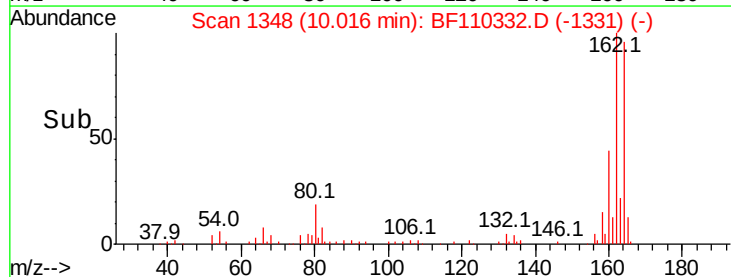
Ion 63.00 (62.70 to 63.70): BF1

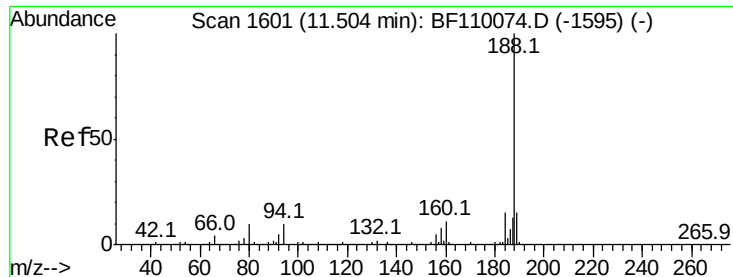
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

Instrument :

BNA_F

ClientSampled :

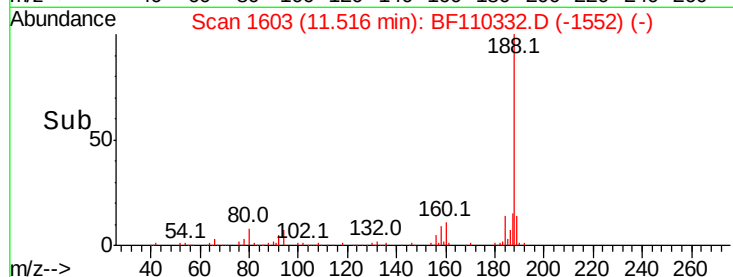
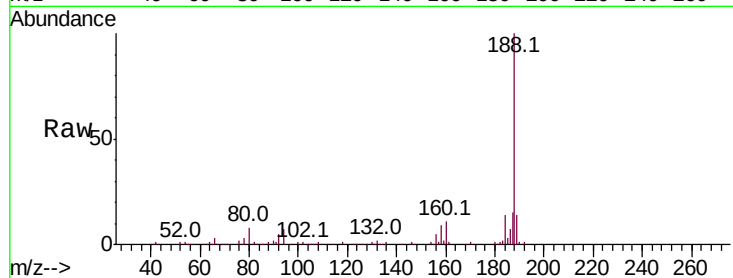
Tot Ion:188 Resp: 190974

Ion Ratio Lower Upper

188 100

94 7.4 7.2 10.8

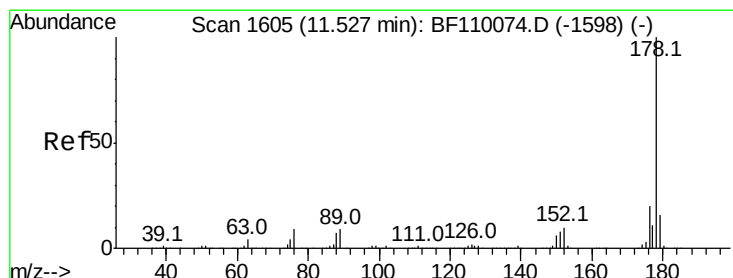
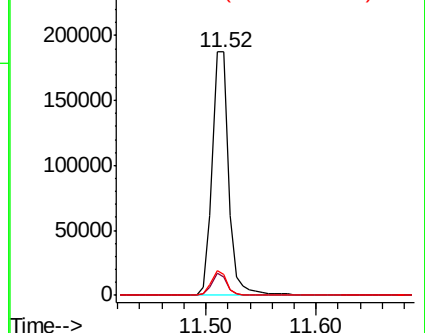
80 8.4 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 4.943 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

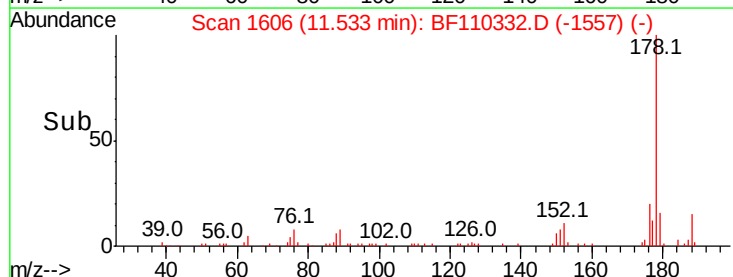
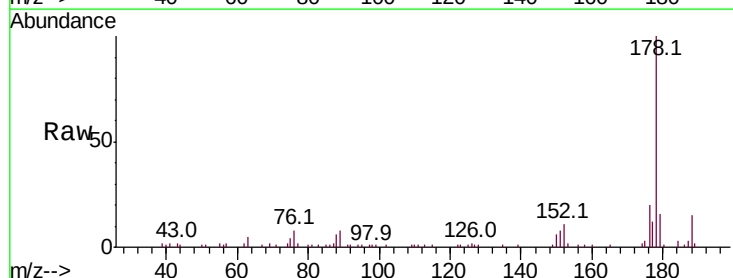
Tgt Ion:178 Resp: 49391

Ion Ratio Lower Upper

178 100

176 20.1 15.5 23.3

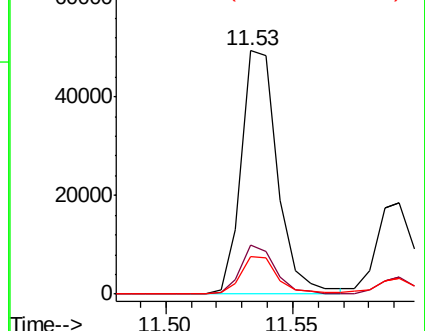
179 15.5 12.5 18.7

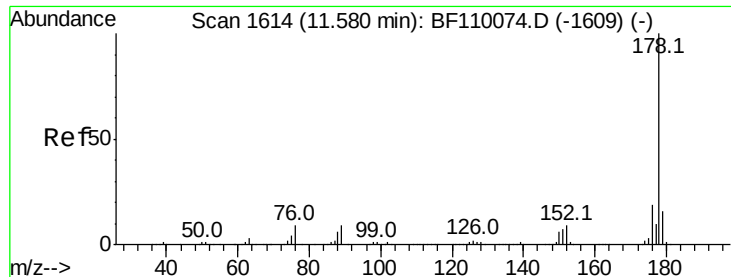


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.215 ng

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

Instrument :

BNA_F

ClientSampleId :

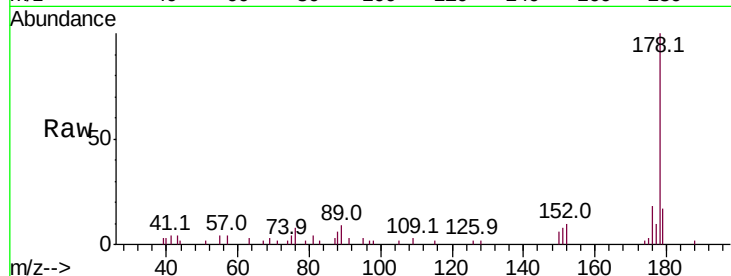
Tot Ion:178 Resp: 22186

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

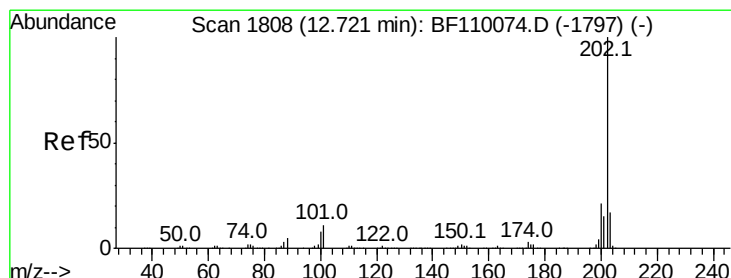
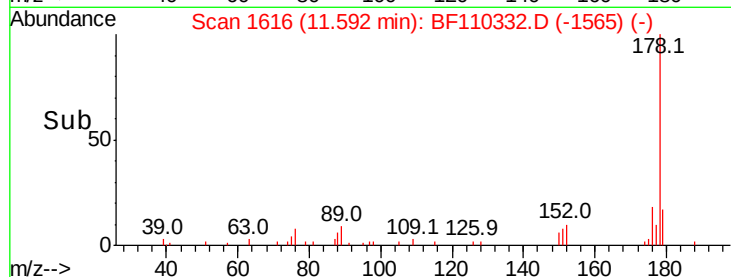
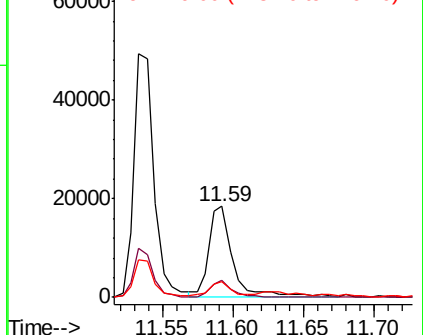
179 16.8 12.6 18.8



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



#75

Fluoranthene

Concen: 14.963 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

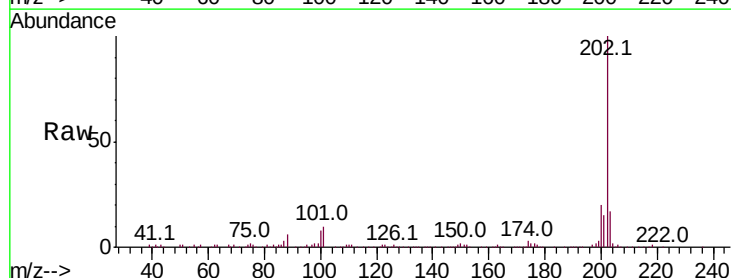
Tgt Ion:202 Resp: 151741

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.4

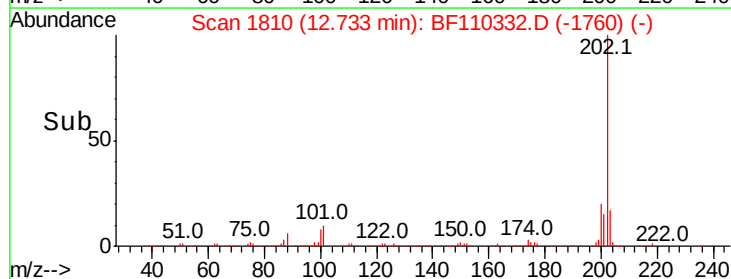
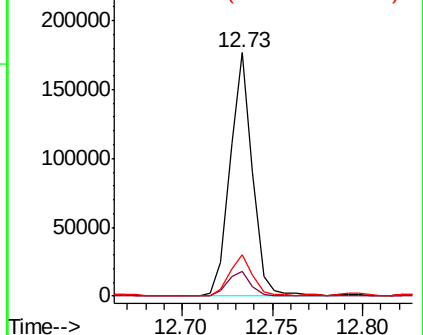
203 17.0 0.0 37.7

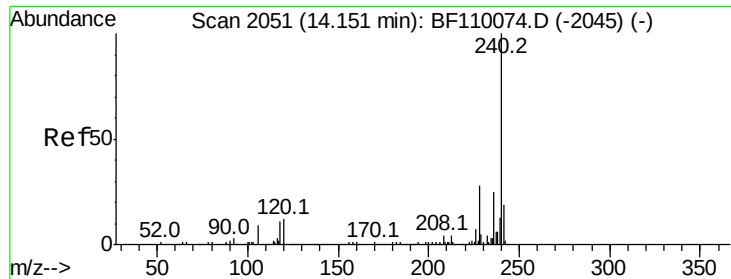


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

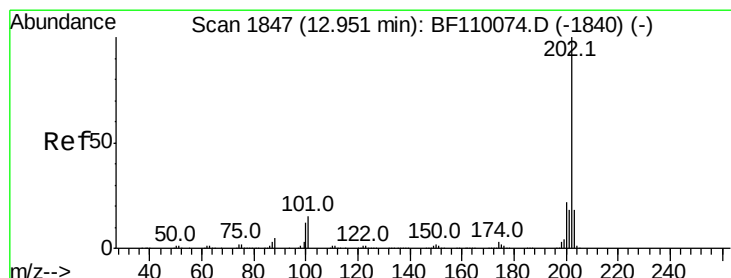
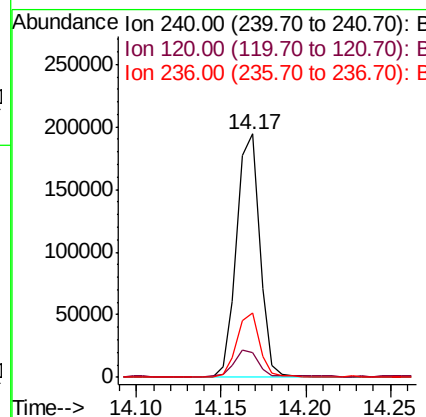
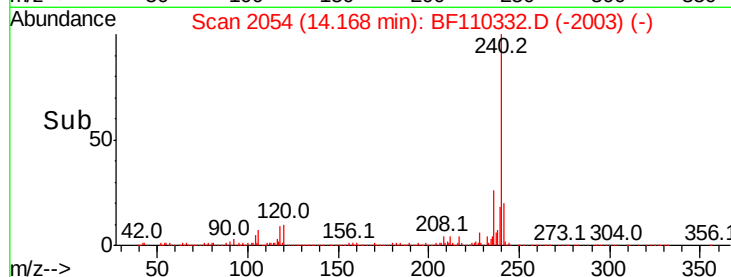
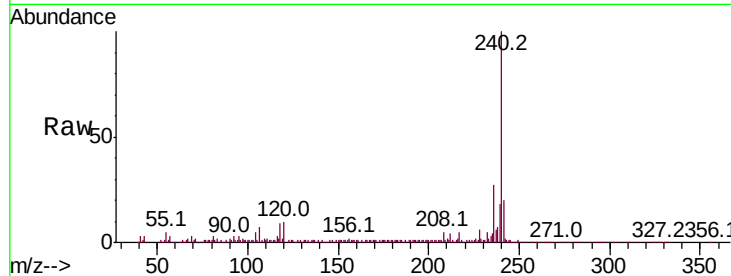




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.17 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BF110332.D
Acq: 31 Oct 2018 14:59

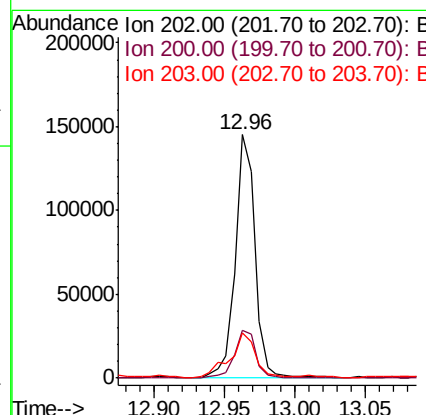
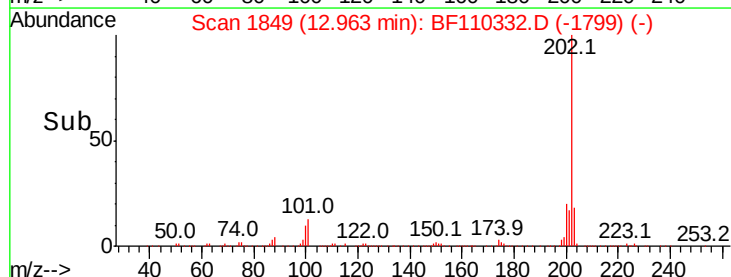
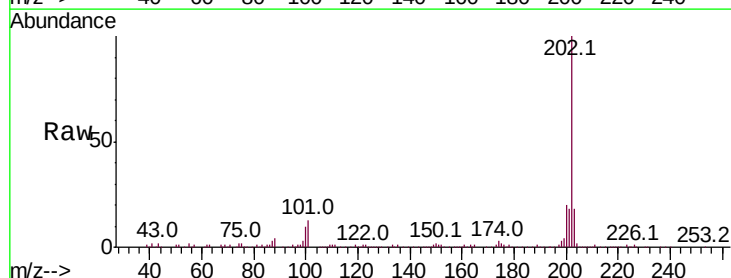
Instrument :
BNA_F
ClientSampleId :

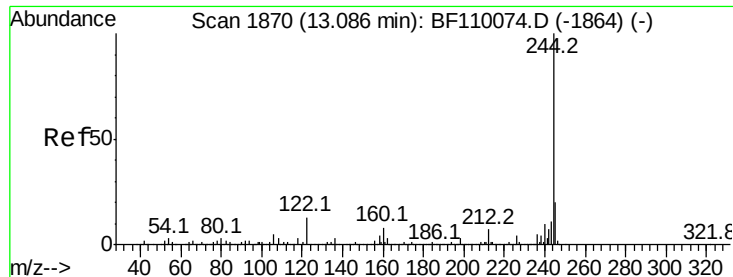
Tot Ion:240 Resp: 185666
Ion Ratio Lower Upper
240 100
120 10.1 8.3 12.5
236 26.5 21.2 31.8



#78
Pyrene
Concen: 10.699 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF110332.D
Acq: 31 Oct 2018 14:59

Tgt Ion:202 Resp: 142412
Ion Ratio Lower Upper
202 100
200 19.7 17.8 26.6
203 18.4 14.2 21.4

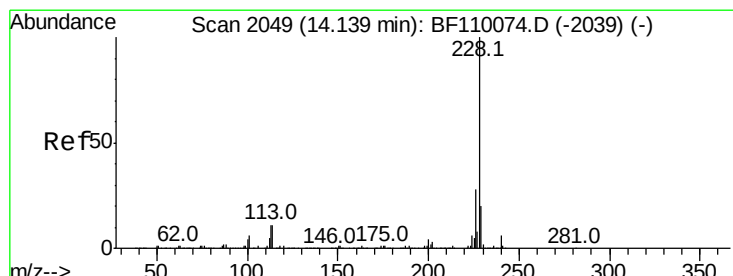
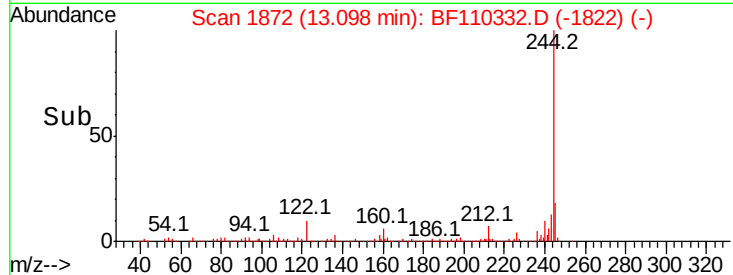
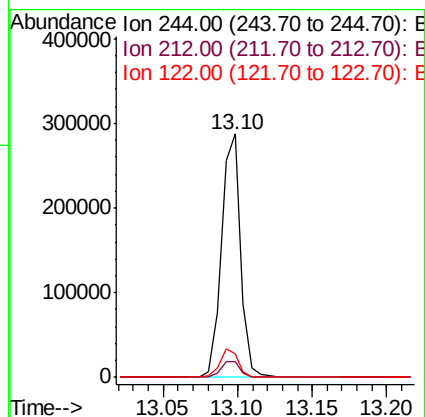
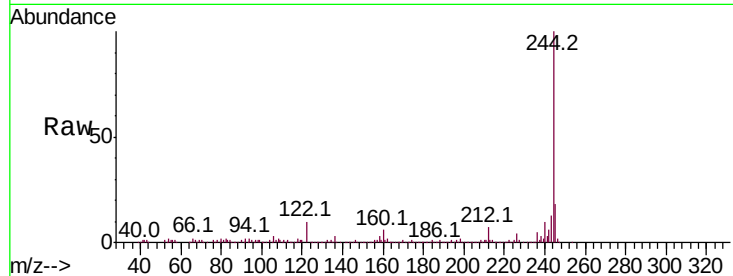




#79
 Terphenyl-d14
 Concen: 28.965 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: BF110332.D
 Acq: 31 Oct 2018 14:59

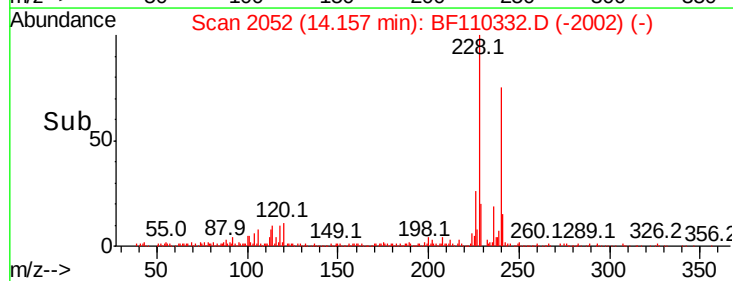
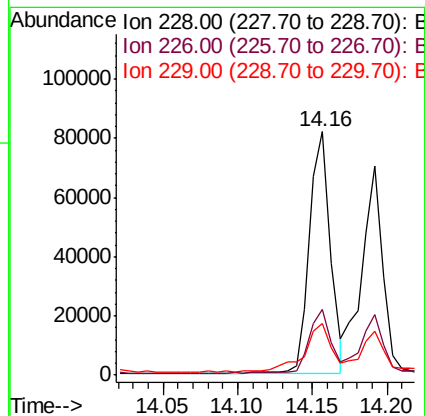
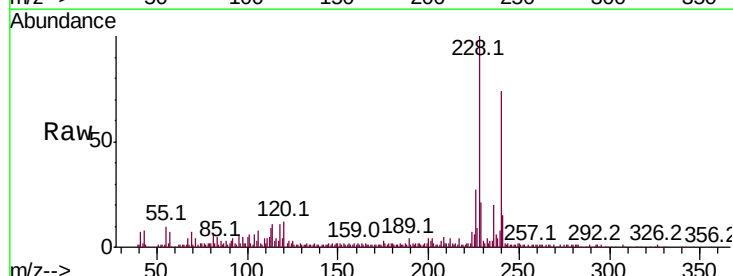
Instrument :
 BNA_F
 ClientSampleId :

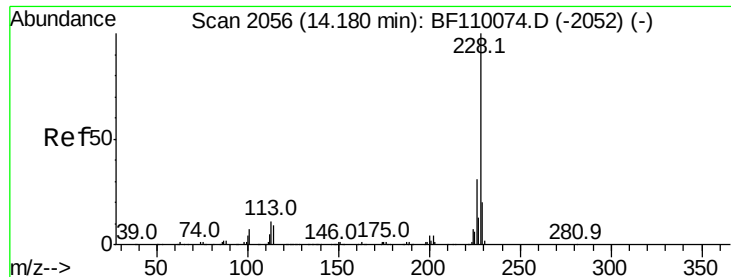
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	9.6	8.7	13.1



#81
 Benzo(a)anthracene
 Concen: 7.272 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.01 min
 Lab File: BF110332.D
 Acq: 31 Oct 2018 14:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	21.4	15.6	23.4





#83

Chrysene

Concen: 6.699 ng

RT: 14.19 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

Instrument :

BNA_F

ClientSampleId :

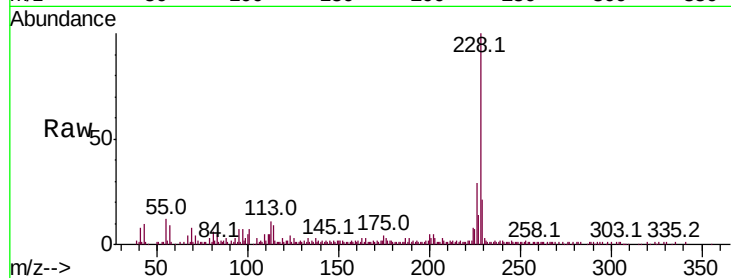
Tot Ion:228 Resp: 70057

Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

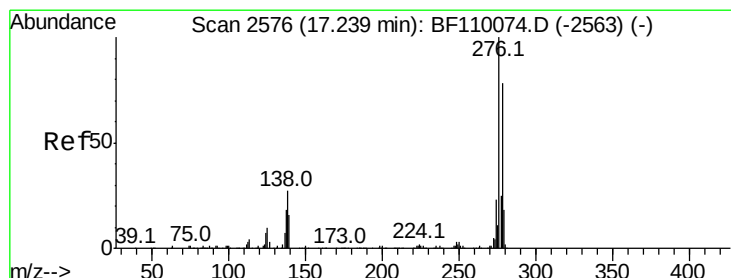
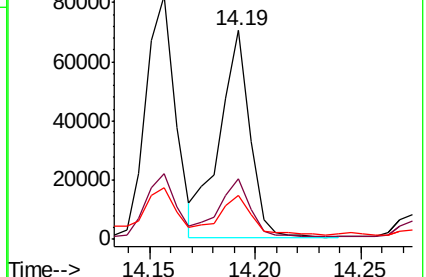
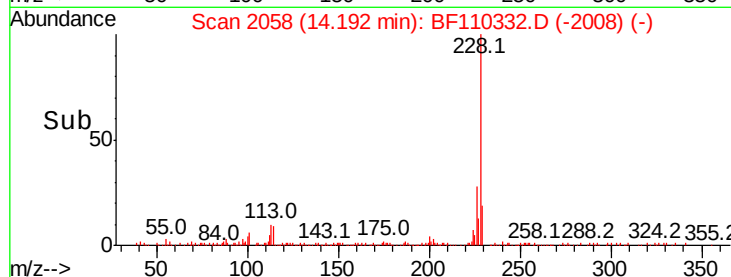
229 21.1 15.9 23.9



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

Indeno(1,2,3-cd)pyrene

Concen: 2.295 ng

RT: 17.29 min Scan# 2585

Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

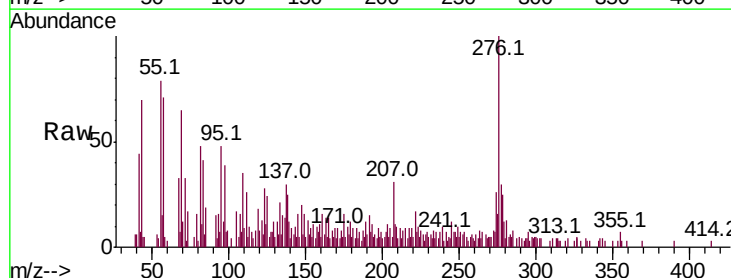
Tgt Ion:276 Resp: 19911

Ion Ratio Lower Upper

276 100

138 26.7 18.5 27.7

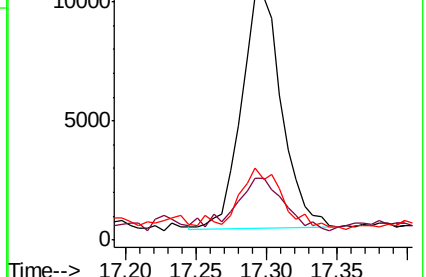
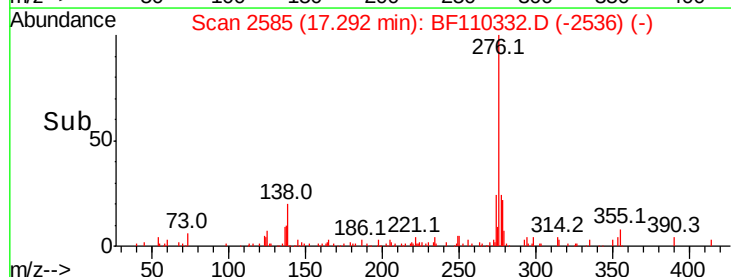
277 26.8 20.0 30.0

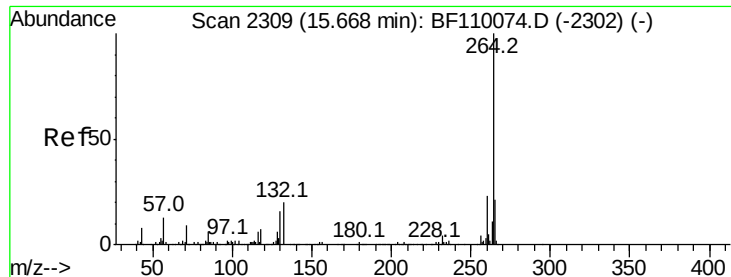


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2316

Delta R.T. 0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

Instrument :

BNA_F

ClientSampleId :

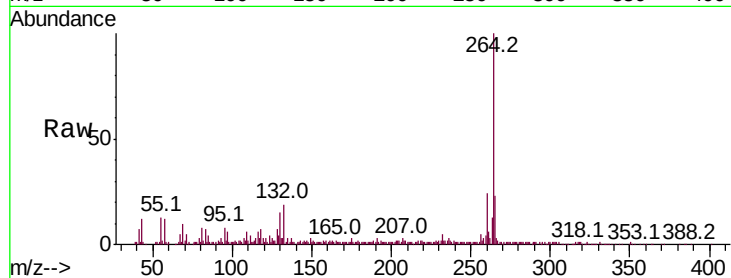
Tot Ion:264 Resp: 122068

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

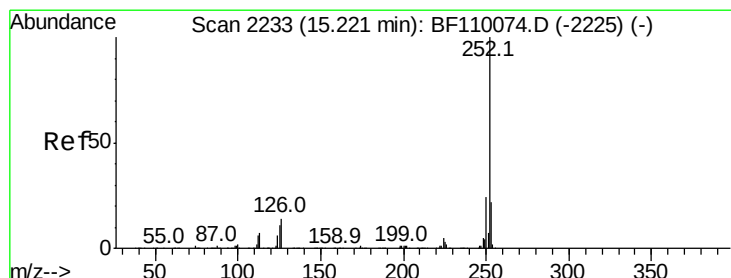
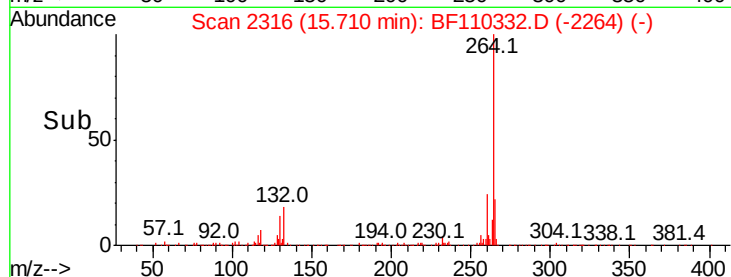
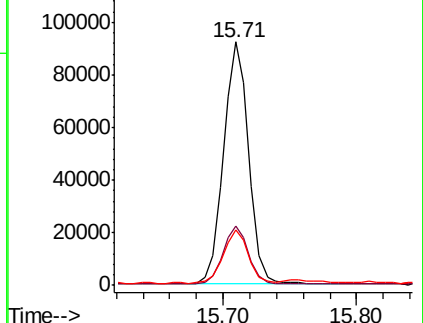
265 22.9 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 11.601 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

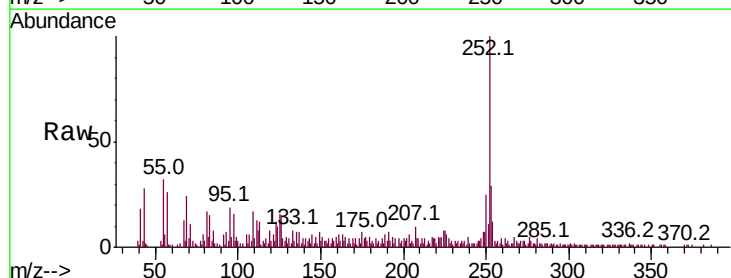
Tgt Ion:252 Resp: 81774

Ion Ratio Lower Upper

252 100

253 28.6 17.2 25.8#

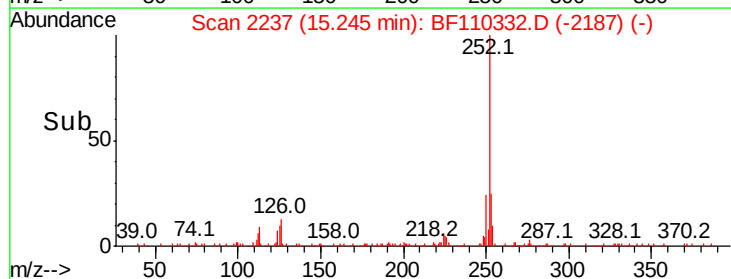
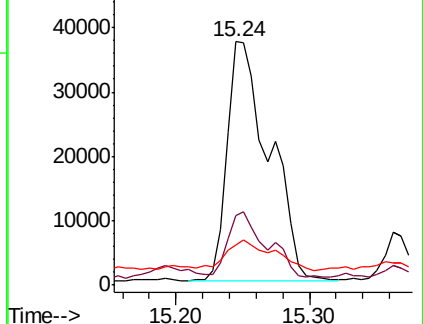
125 16.4 8.2 12.4#

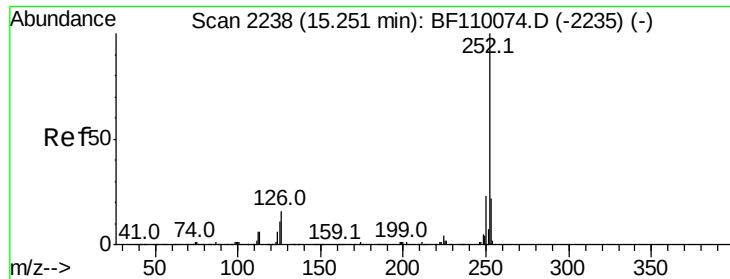


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

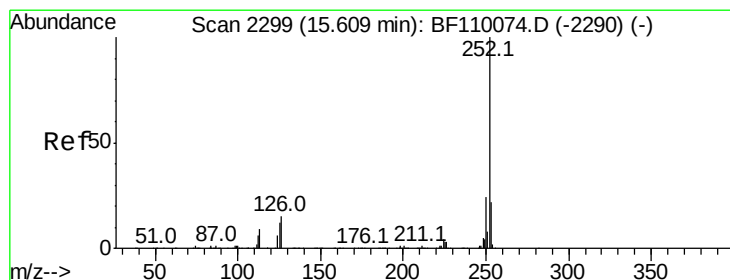
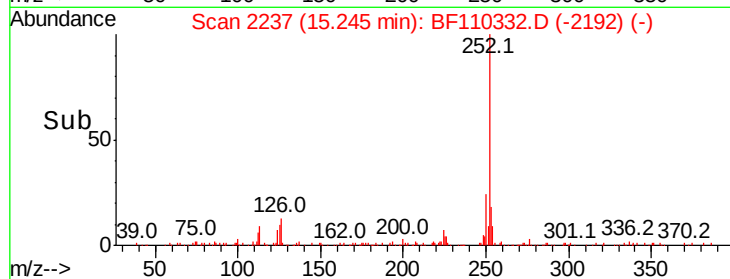
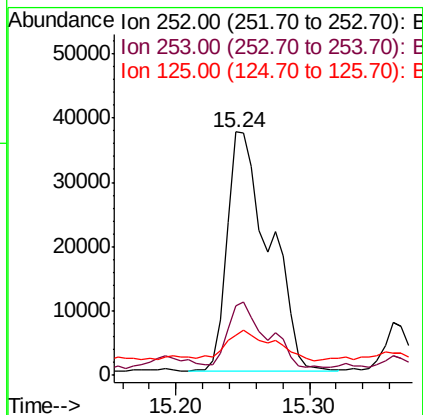
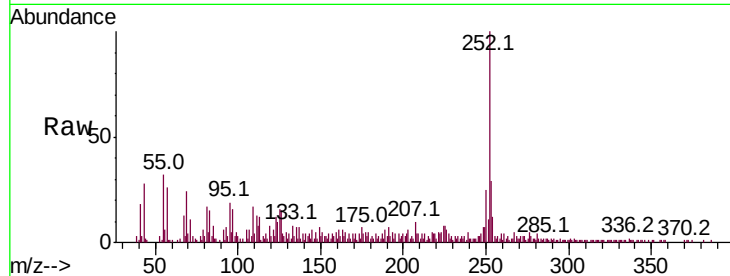




#89
Benzo(k)fluoranthene
Concen: 11.800 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF110332.D
Acq: 31 Oct 2018 14:59

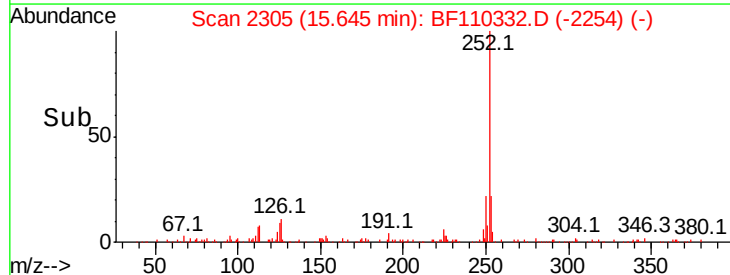
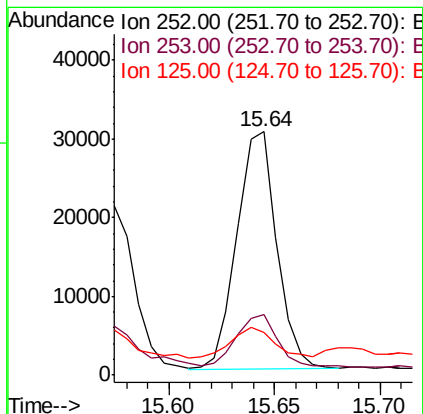
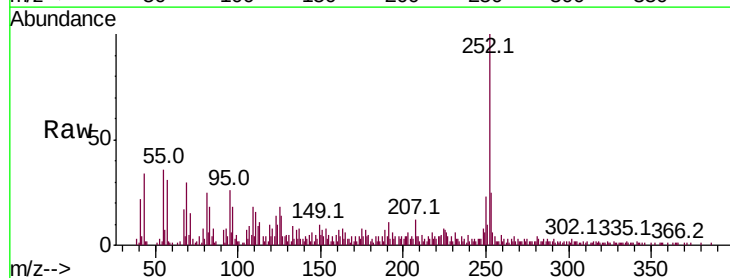
Instrument :
BNA_F
ClientSampleId :

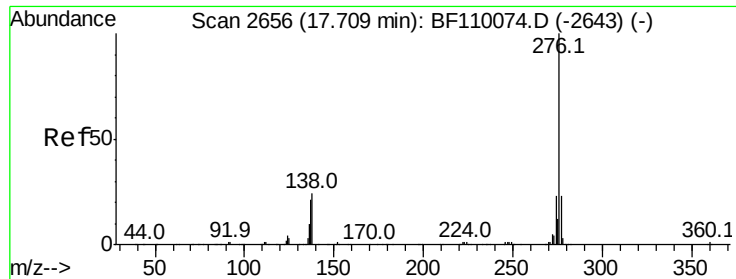
Tot Ion:252 Resp: 81774
Ion Ratio Lower Upper
252 100
253 28.6 17.2 25.8#
125 16.4 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 6.127 ng
RT: 15.64 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BF110332.D
Acq: 31 Oct 2018 14:59

Tgt Ion:252 Resp: 39743
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.4
125 17.7 9.0 13.6#





#92

Benzo(a,h,i)perylene

Concen: 3.420 ng

RT: 17.79 min Scan# 2669

Delta R.T. -0.01 min

Lab File: BF110332.D

Acq: 31 Oct 2018 14:59

Instrument :

BNA_F

ClientSampleId :

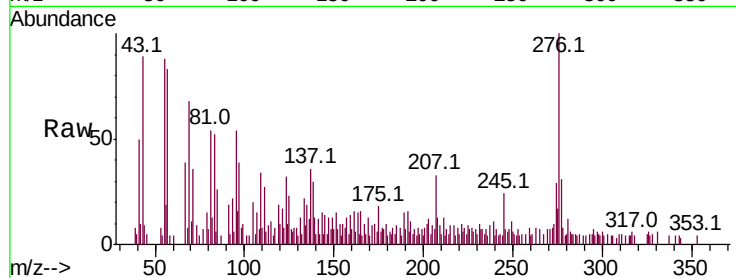
Tot Ion:276 Resp: 18861

Ion Ratio Lower Upper

276 100

277 30.7 18.8 28.2#

138 30.0 16.0 24.0#



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

