

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050118\
 Data File : BF104982.D
 Acq On : 1 May 2018 14:35
 Operator : JU/SJ
 Sample : J2615-02 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 16:17:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	109428	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	468129	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	214297	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	353739	20.00	ng	0.00
75) Chrysene-d12	14.03	240	232758	20.00	ng	0.05
86) Perylene-d12	15.60	264	228618	20.00	ng	0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	63302	8.85	ng	0.00
7) Phenol-d6	6.43	99	84815	9.65	ng	0.00
23) Nitrobenzene-d5	7.36	82	47646	6.65	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	19419	8.74	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	99155	7.31	ng	0.00
78) Terphenyl-d14	12.91	244	73489	7.20	ng	0.00

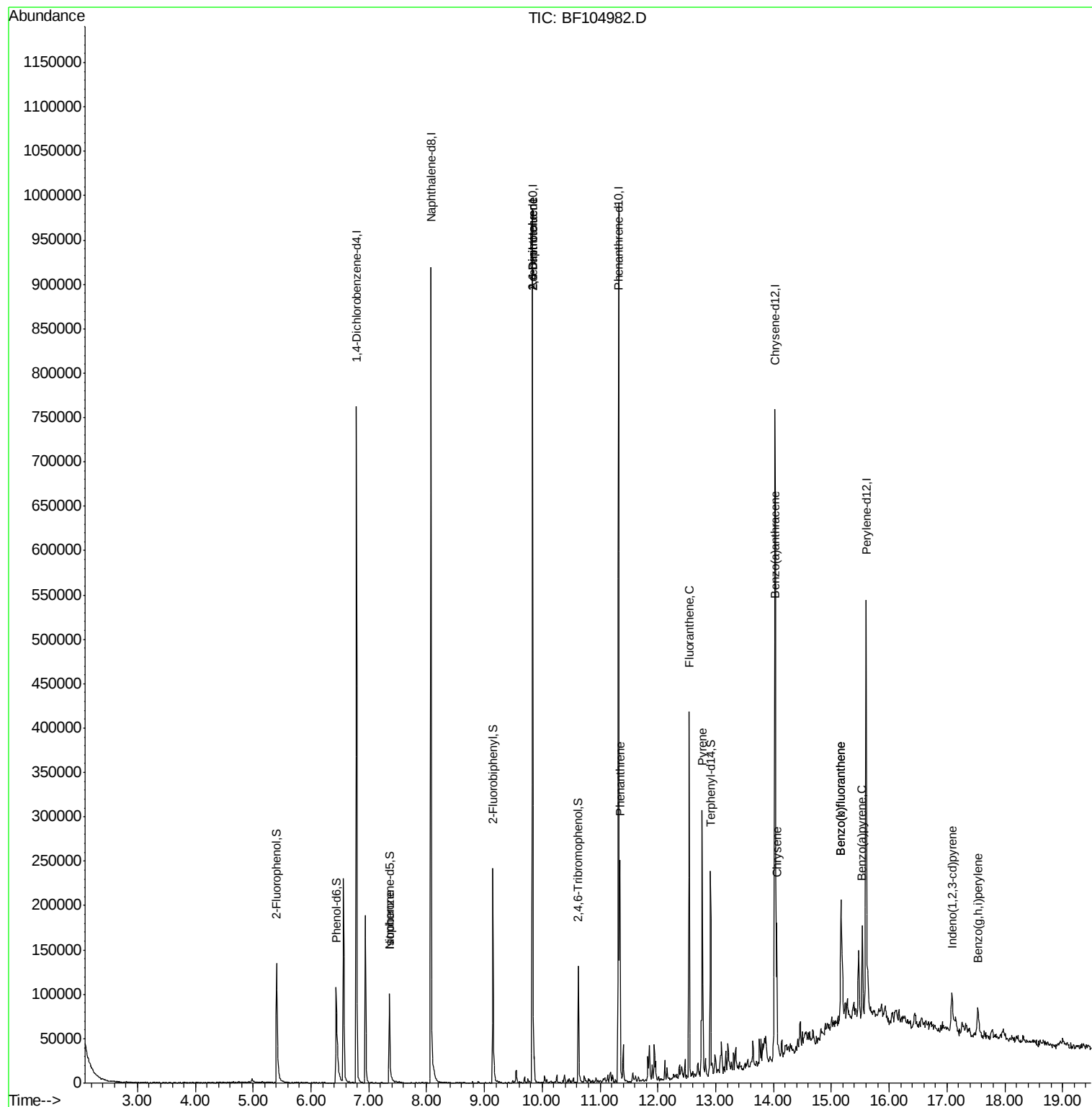
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	1503	Below Cal		# 59
25) Isophorone	7.36	82	47646	3.143	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	27179	8.692	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	27179	6.626	ng	# 23
70) Phenanthrene	11.35	178	82432	4.184	ng	98
74) Fluoranthene	12.54	202	153494	7.458	ng	97
76) Benzydine	12.91	184	1155	Below Cal		# 66
77) Pyrene	12.77	202	135004	7.825	ng	97
80) Benzo(a)anthracene	14.02	228	61787	4.443	ng	97
82) Chrysene	14.06	228	60461	4.233	ng	96
85) Indeno(1,2,3-cd)pyrene	17.09	276	28821	2.375	ng	95
87) Benzo(b)fluoranthene	15.17	252	97436	6.748	ng	97
88) Benzo(k)fluoranthene	15.17	252	97436	7.148	ng	99
89) Benzo(a)pyrene	15.53	252	49781	3.853	ng	94
91) Benzo(a,h,i)perylene	17.53	276	26542	2.582	ng	97

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

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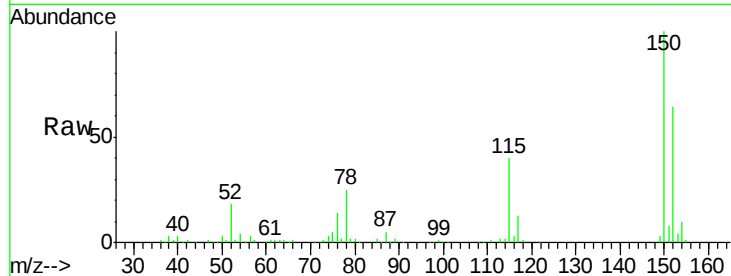


#1

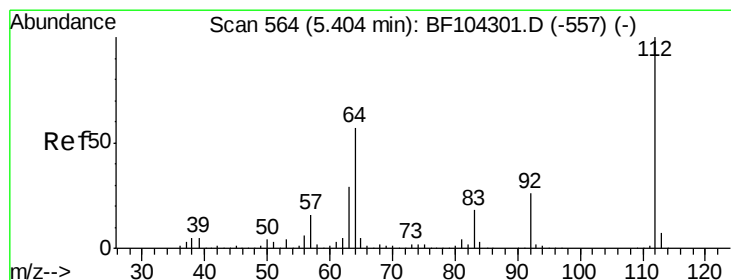
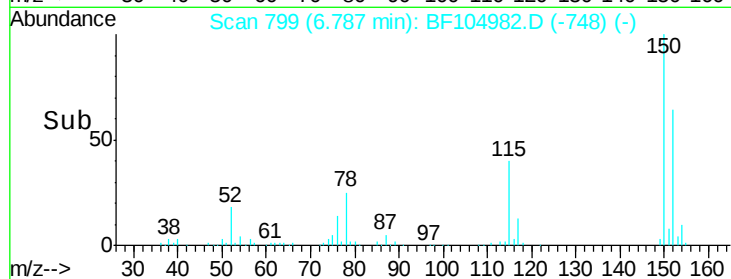
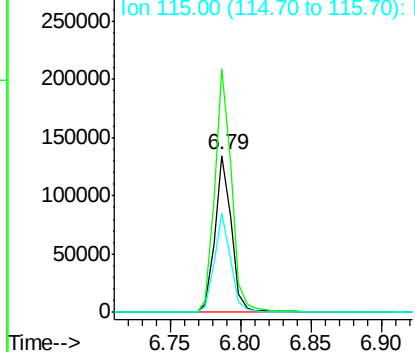
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF104982.D
 Acq: 1 May 2018 14:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 109428
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.6 186.8
 115 62.9 50.1 75.1



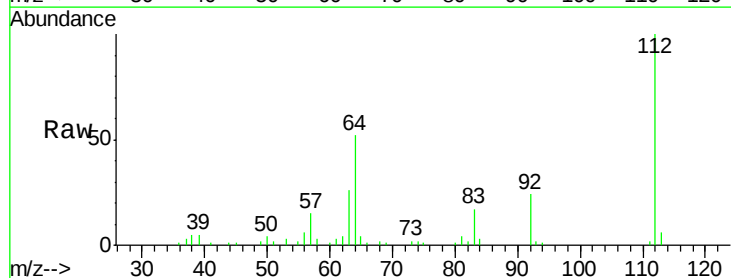
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



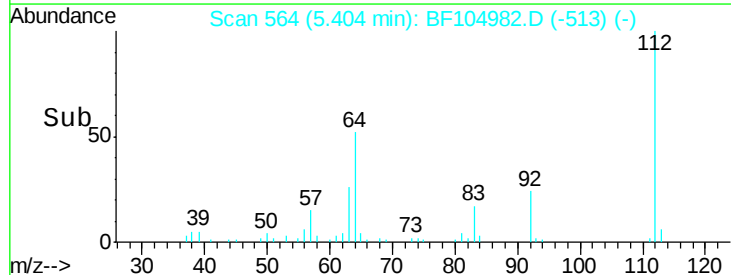
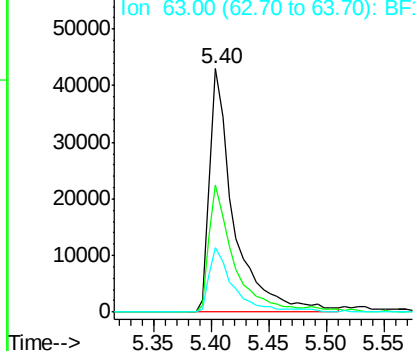
#5

2-Fluorophenol
 Concen: 8.845 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: BF104982.D
 Acq: 1 May 2018 14:35

Tgt Ion:112 Resp: 63302
 Ion Ratio Lower Upper
 112 100
 64 52.2 47.9 71.9
 63 26.3 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: 9.646 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF104982.D

Acq: 1 May 2018 14:35

Instrument :

BNA_F

ClientSampleId :

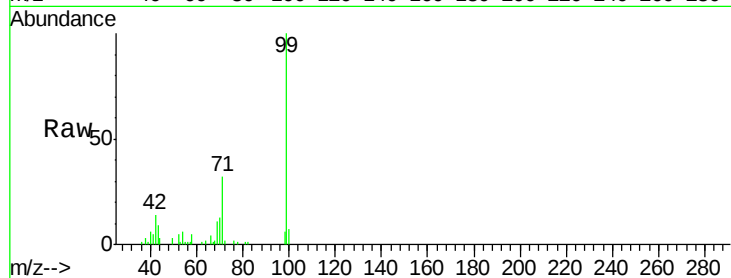
Tot Ion: 99 Resp: 84815

Ion Ratio Lower Upper

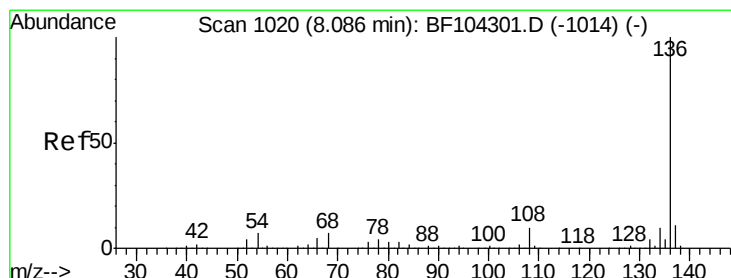
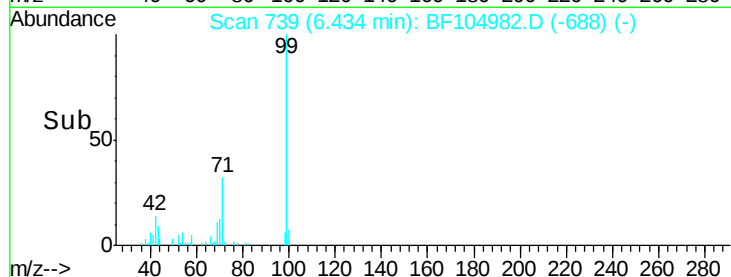
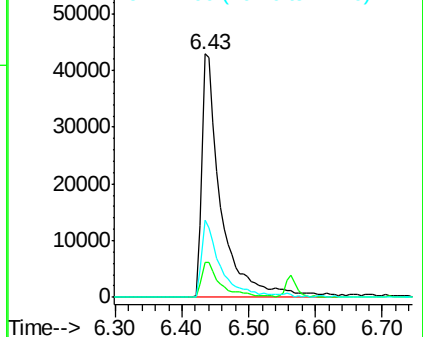
99 100

42 14.5 14.5 21.7

71 31.6 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF104982.D

Acq: 1 May 2018 14:35

Tgt Ion: 136 Resp: 468129

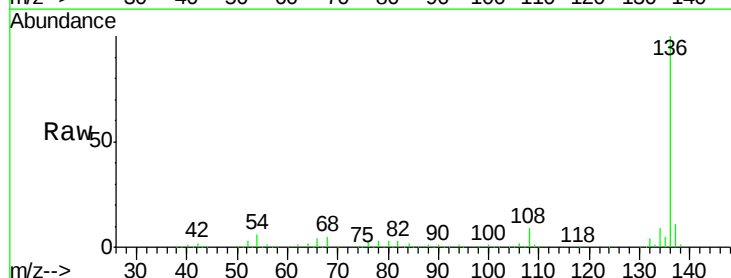
Ion Ratio Lower Upper

136 100

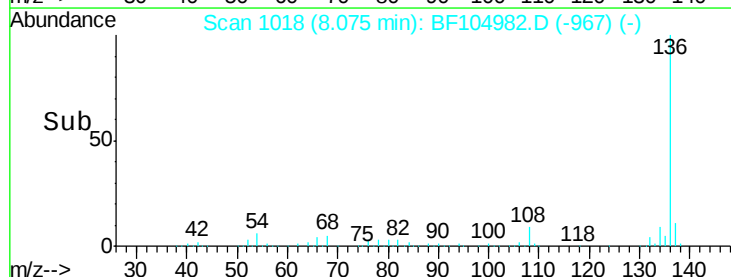
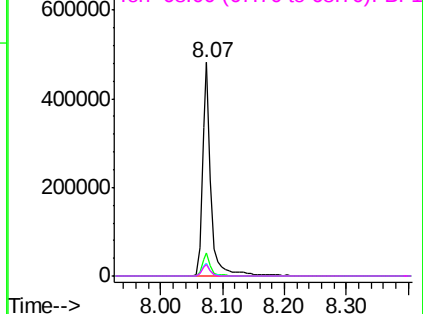
137 10.6 8.9 13.3

54 6.1 6.6 9.8#

68 5.3 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

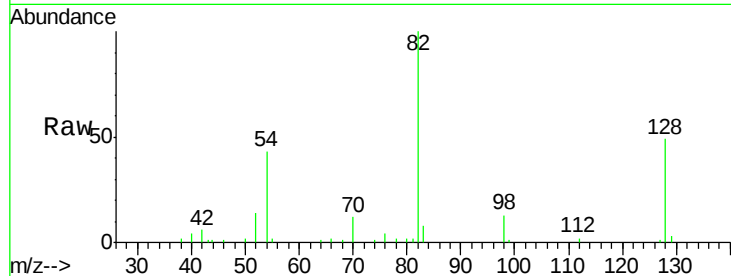




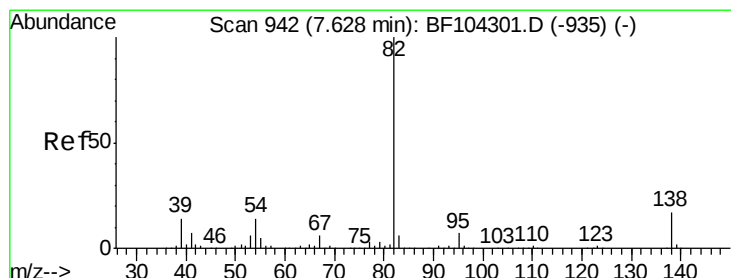
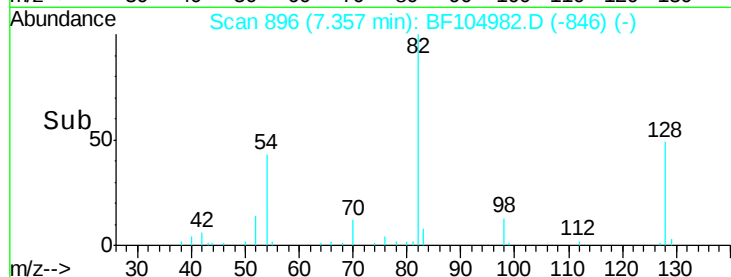
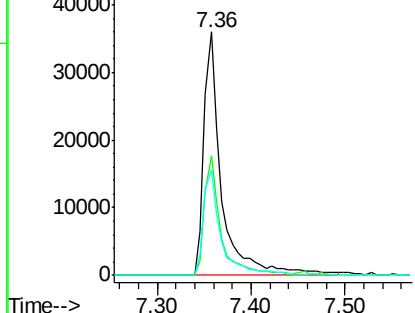
#23
Nitrobenzene-d5
Concen: 6.646 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104982.D
Acq: 1 May 2018 14:35

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 47646
Ion Ratio Lower Upper
82 100
128 49.2 36.1 54.1
54 43.1 41.4 62.2

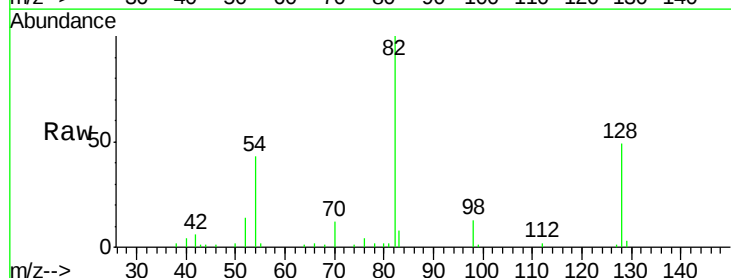


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

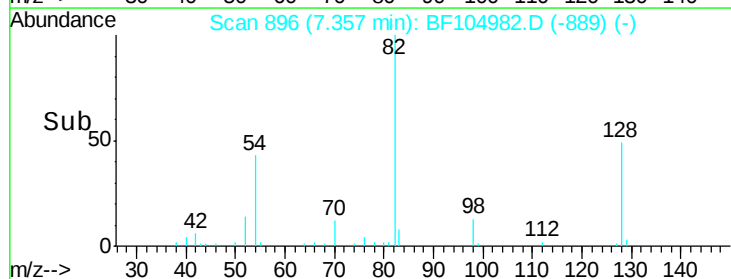
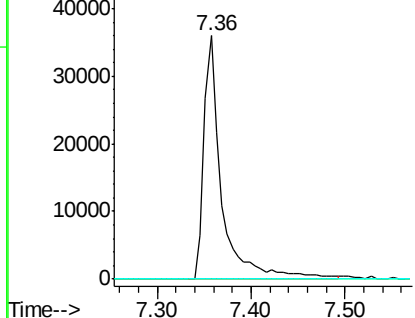


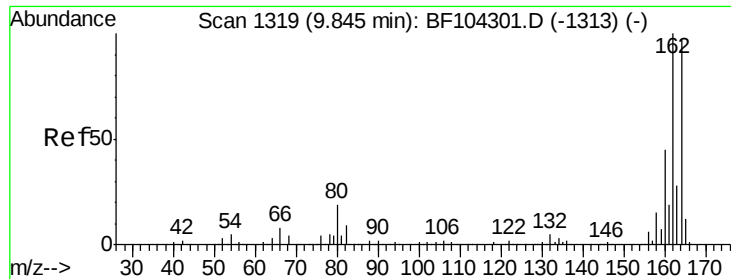
#25
Isophorone
Concen: 3.143 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF104982.D
Acq: 1 May 2018 14:35

Tgt Ion: 82 Resp: 47646
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

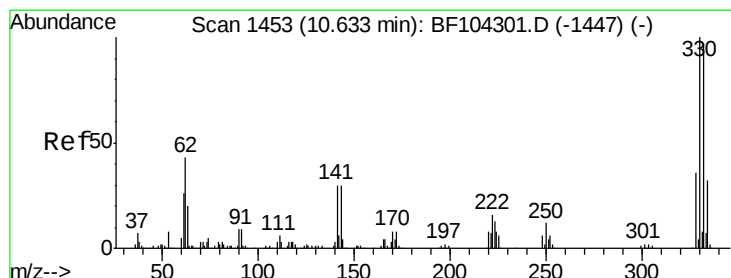
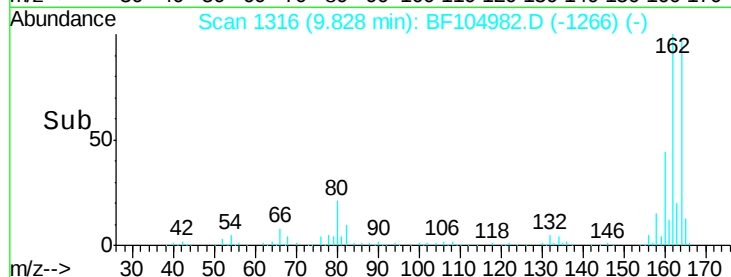
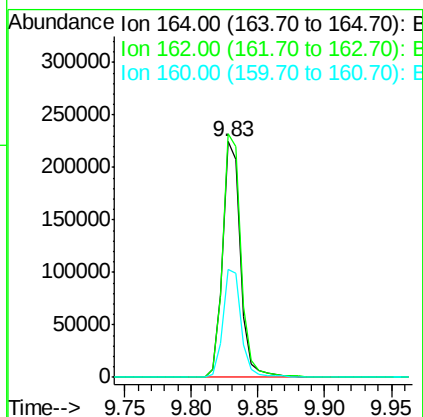
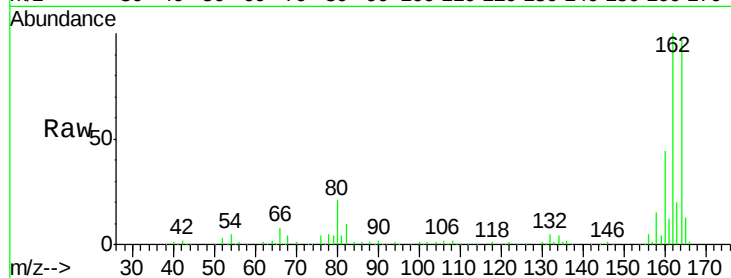




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF104982.D
Acq: 1 May 2018 14:35

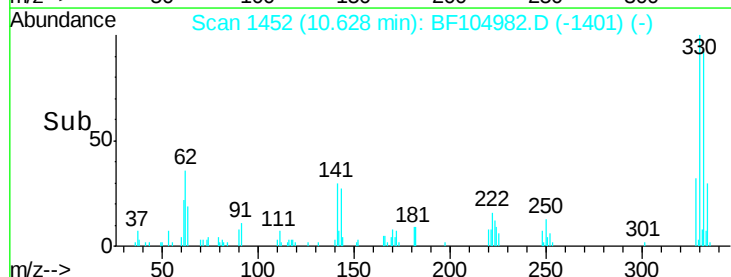
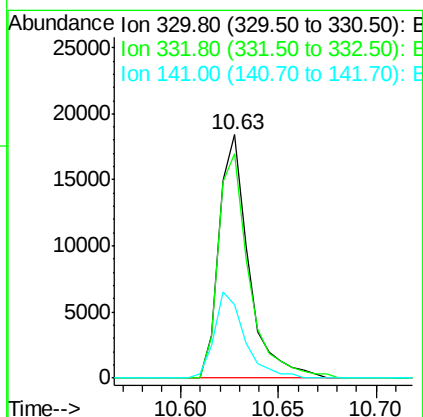
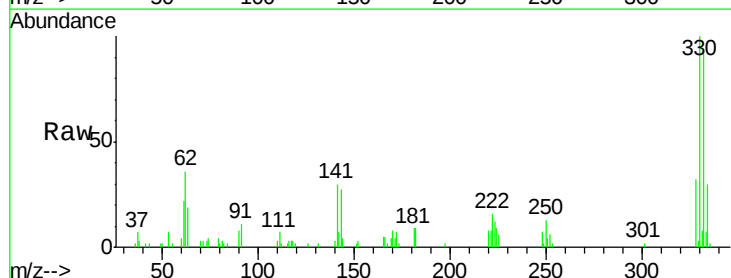
Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 214297
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 45.8 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 8.736 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BF104982.D
Acq: 1 May 2018 14:35

Tgt Ion:330 Resp: 19419
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 36.4 29.9 44.9

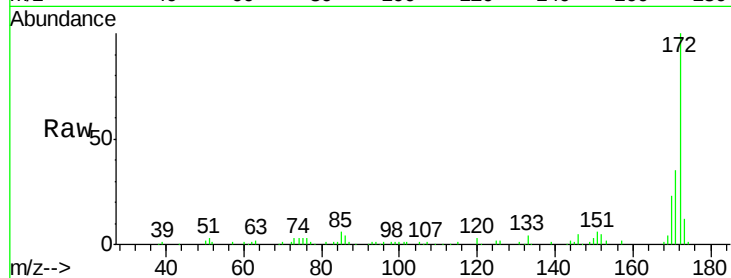




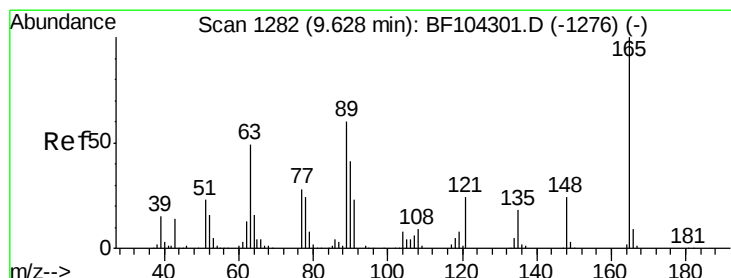
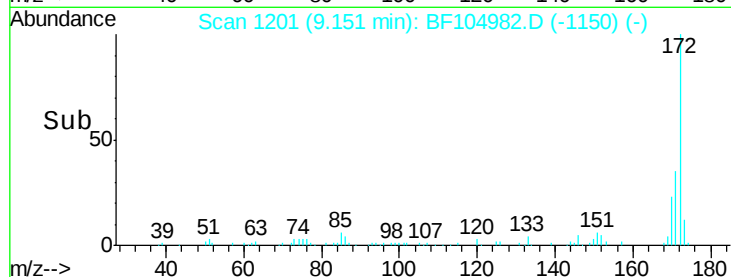
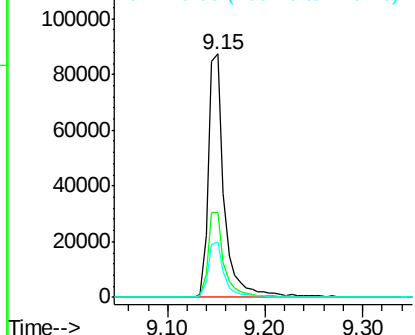
#44
 2-Fluorobiphenyl
 Concen: 7.309 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF104982.D
 Acq: 1 May 2018 14:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 99155
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 22.9 19.6 29.4

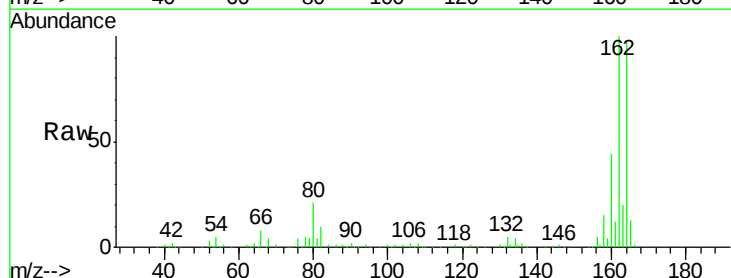


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

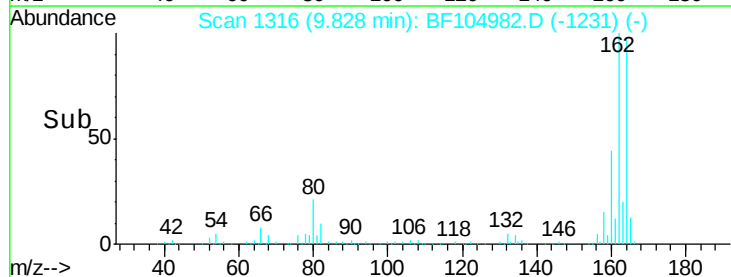
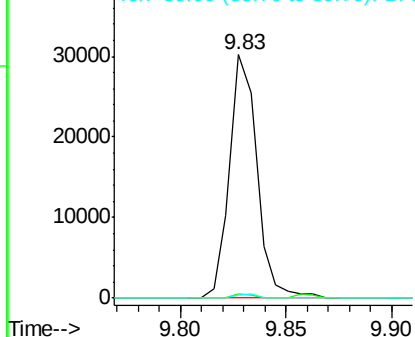


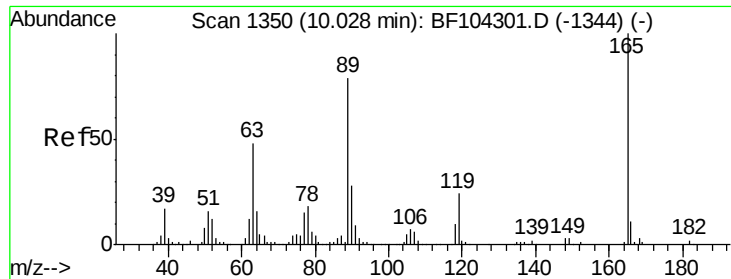
#50
 2,6-Dinitrotoluene
 Concen: 8.692 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.20 min
 Lab File: BF104982.D
 Acq: 1 May 2018 14:35

Tgt Ion:165 Resp: 27179
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 1.2 44.0 66.0#



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

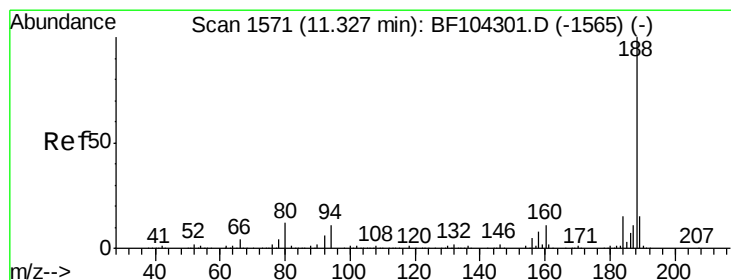
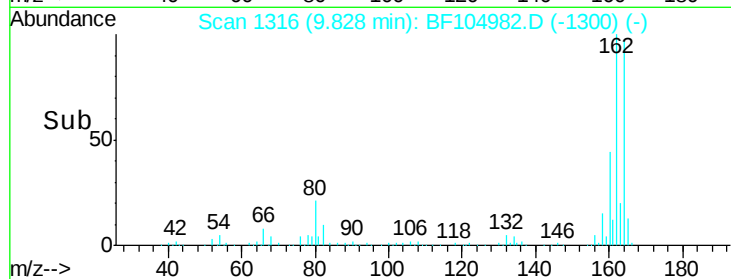
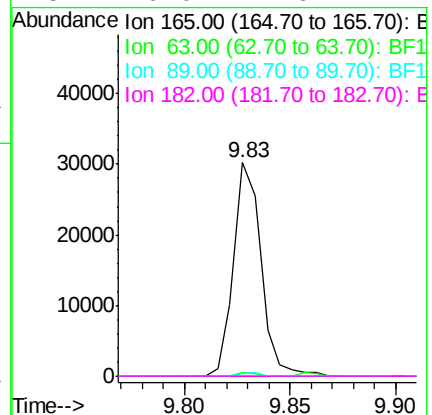
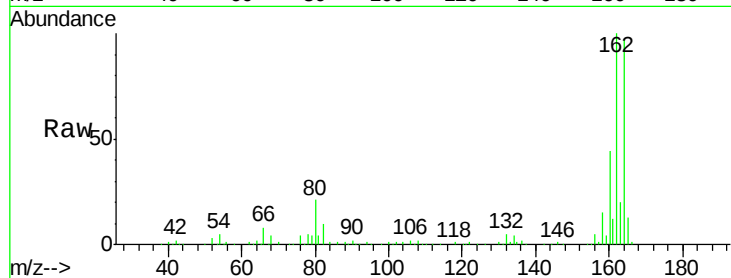




#56
 2,4-Dinitrotoluene
 Concen: 6.626 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104982.D
 Acq: 1 May 2018 14:35

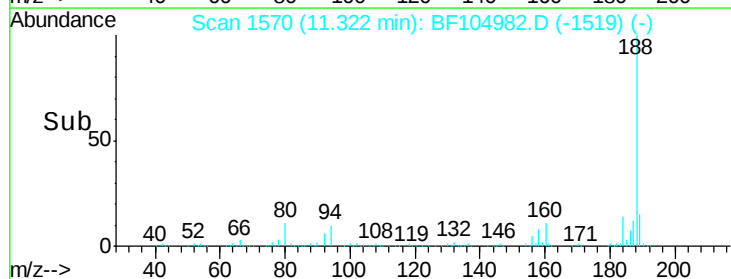
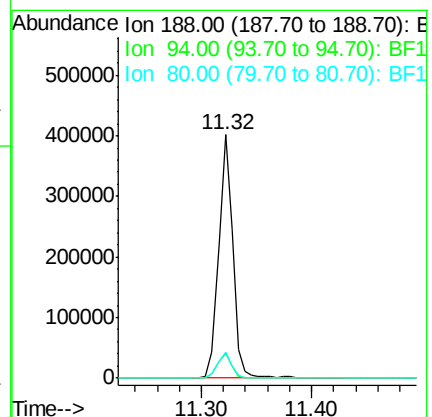
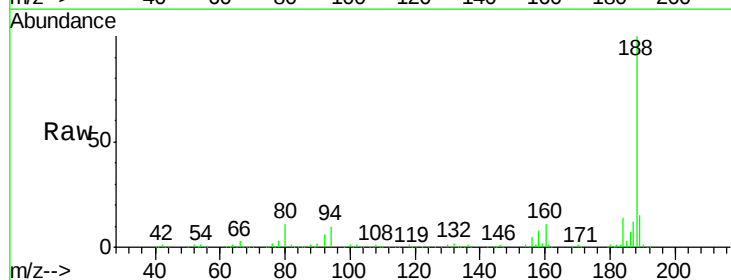
Instrument :
 BNA_F
 ClientSampleId :

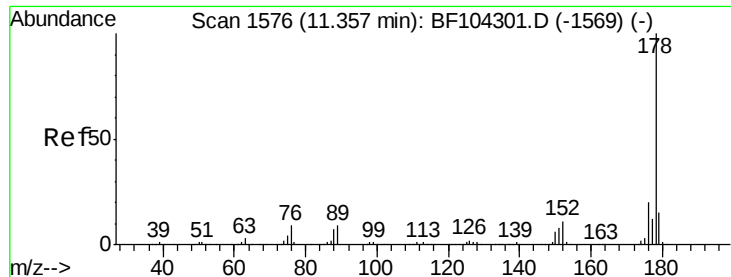
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF104982.D
 Acq: 1 May 2018 14:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.9	9.2	13.8

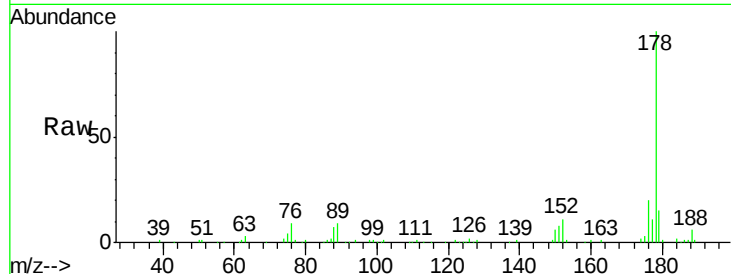




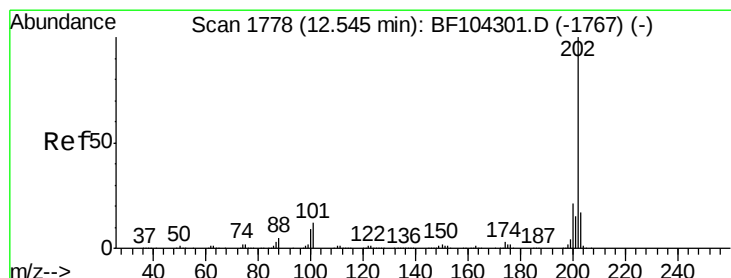
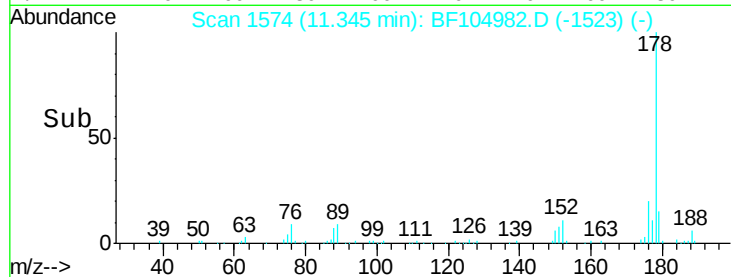
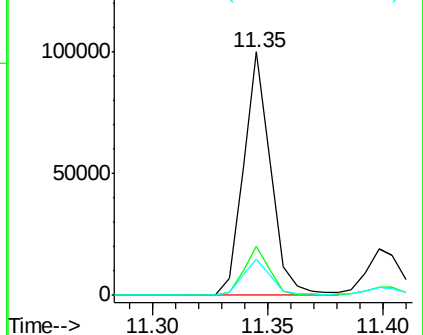
#70
Phenanthrene
Concen: 4.184 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF104982.D
Acq: 1 May 2018 14:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 82432
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.0 13.0 19.6

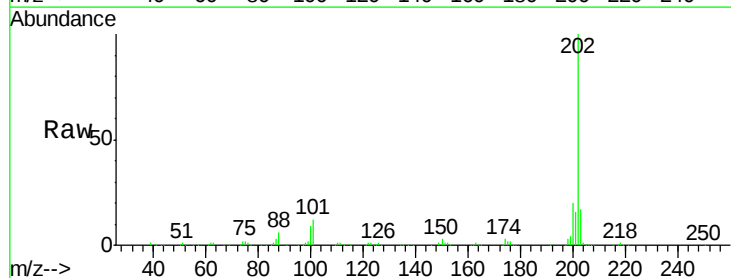


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

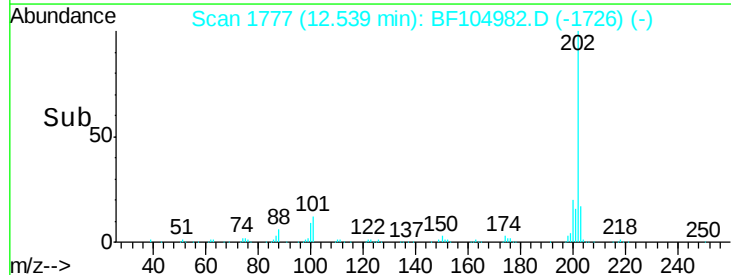
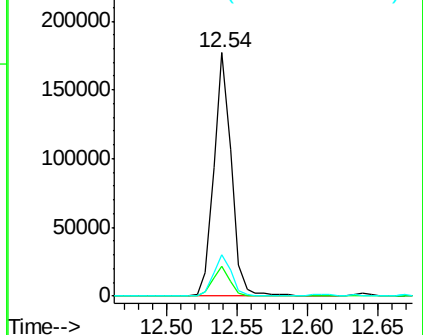


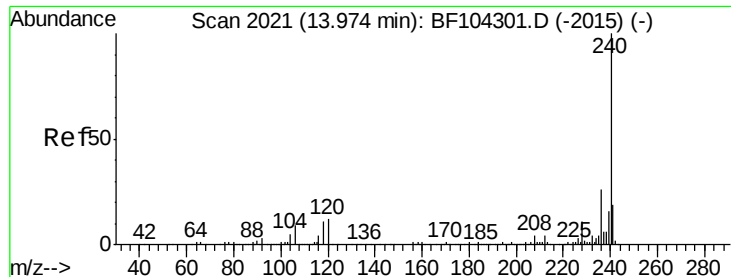
#74
Fluoranthene
Concen: 7.458 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.00 min
Lab File: BF104982.D
Acq: 1 May 2018 14:35

Tgt Ion:202 Resp: 153494
Ion Ratio Lower Upper
202 100
101 12.4 0.0 34.1
203 17.2 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: 14.03 min Scan# 2030

Delta R.T. 0.05 min

Lab File: BF104982.D

Acq: 1 May 2018 14:35

Instrument :

BNA_F

ClientSampleId :

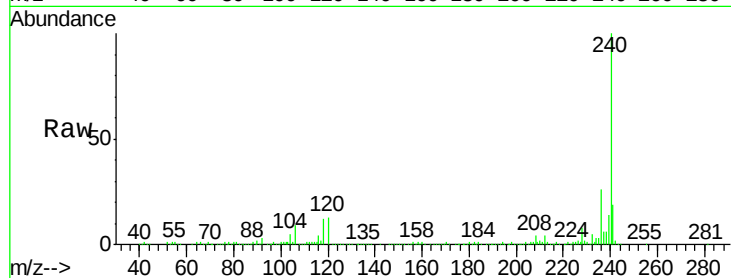
Tot Ion:240 Resp: 232758

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

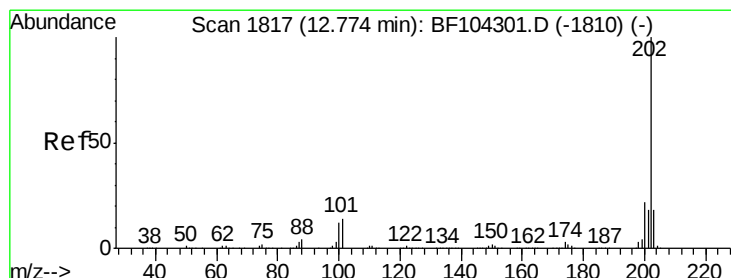
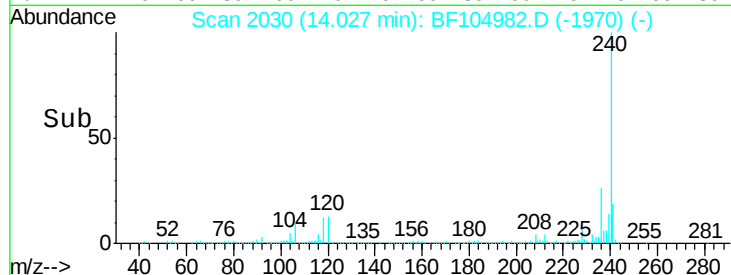
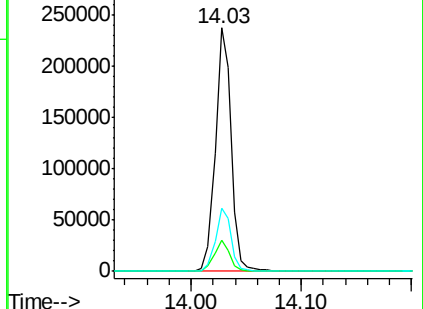
236 25.9 20.7 31.1



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: 7.825 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF104982.D

Acq: 1 May 2018 14:35

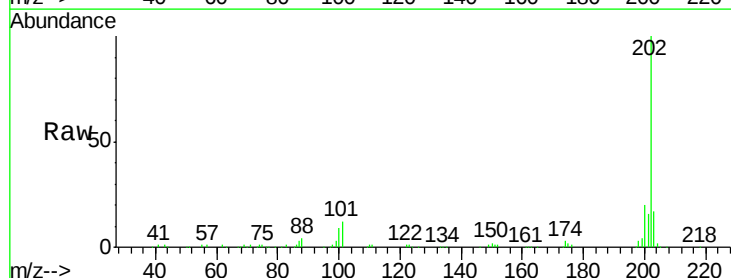
Tgt Ion:202 Resp: 135004

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

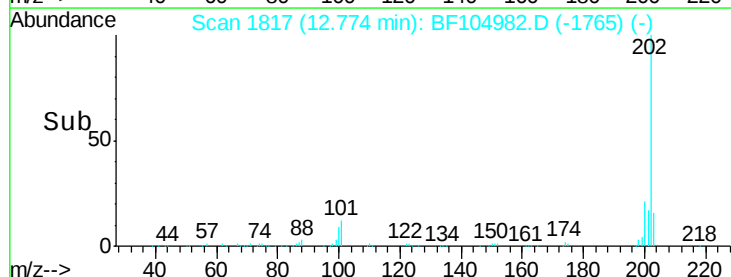
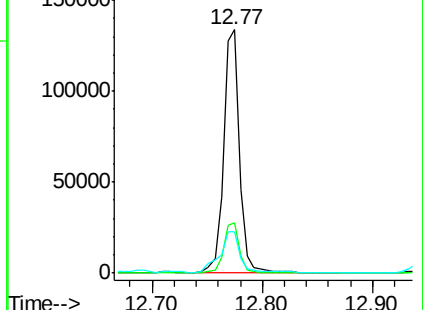
203 16.9 14.3 21.5



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

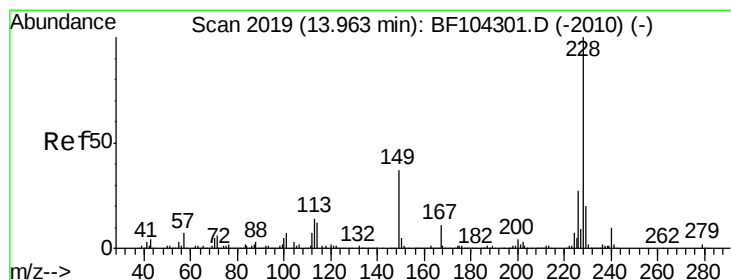
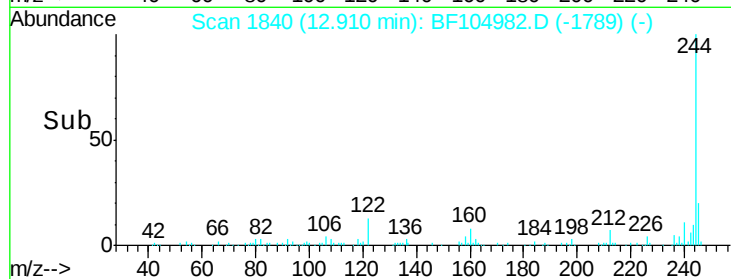
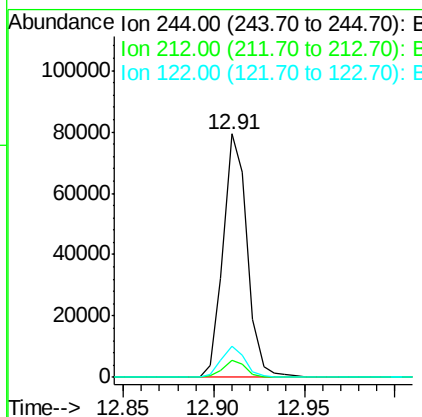
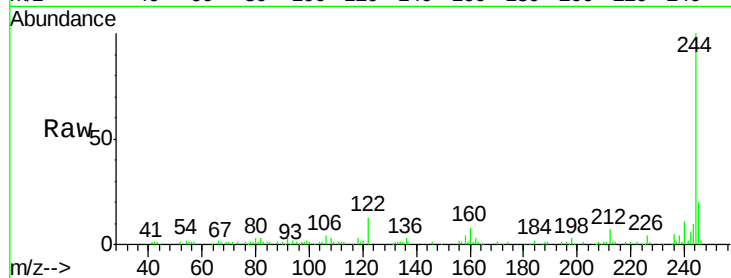




#78
 Terphenyl-d14
 Concen: 7.198 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BF104982.D
 Acq: 1 May 2018 14:35

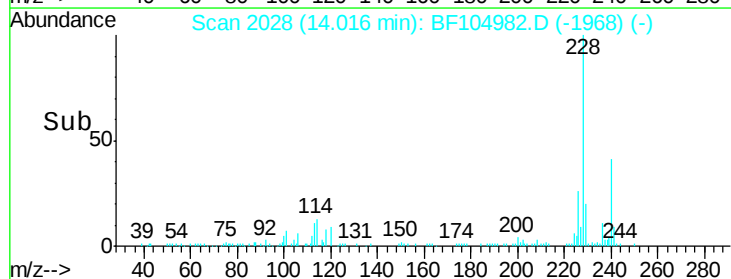
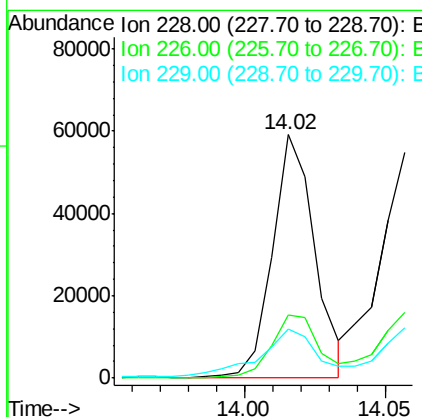
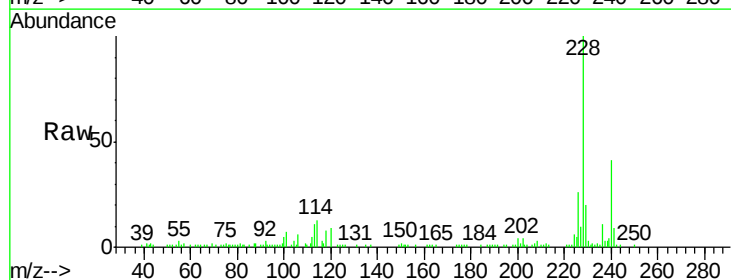
Instrument :
 BNA_F
 ClientSampleId :

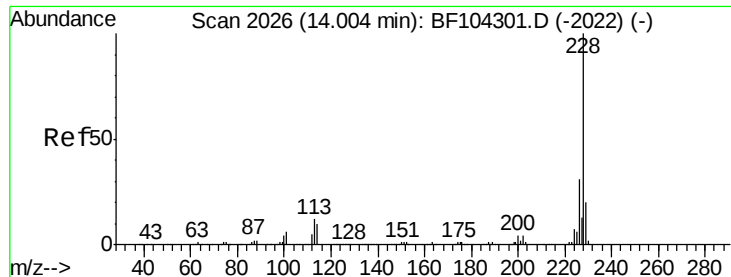
Tot Ion:244 Resp: 73489
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.443 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.05 min
 Lab File: BF104982.D
 Acq: 1 May 2018 14:35

Tgt Ion:228 Resp: 61787
 Ion Ratio Lower Upper
 228 100
 226 26.1 22.6 33.8
 229 19.9 15.8 23.6





#82

Chrysene

Concen: 4.233 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.06 min

Lab File: BF104982.D

Acq: 1 May 2018 14:35

Instrument :

BNA_F

ClientSampleId :

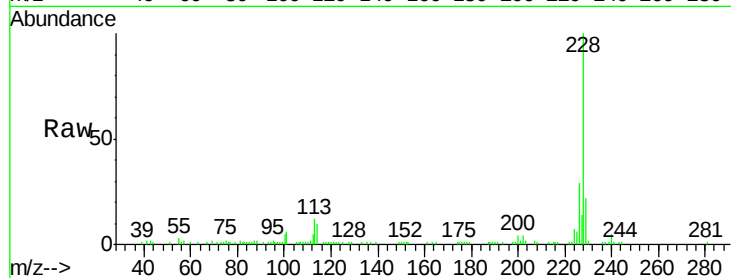
Tot Ion:228 Resp: 60461

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

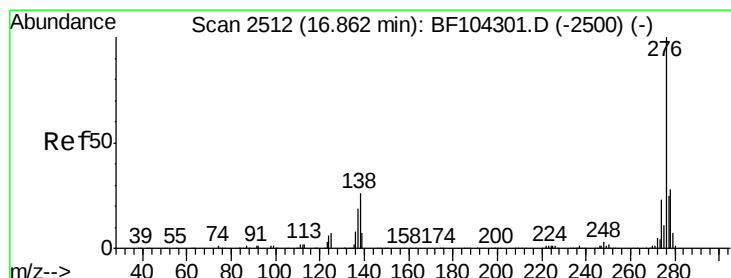
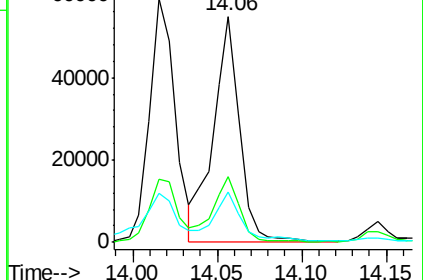
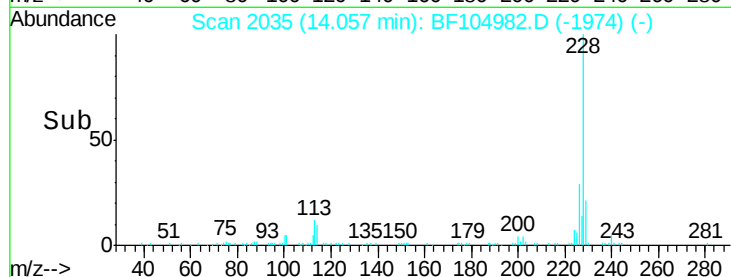
229 22.2 16.2 24.4



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: 2.375 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.19 min

Lab File: BF104982.D

Acq: 1 May 2018 14:35

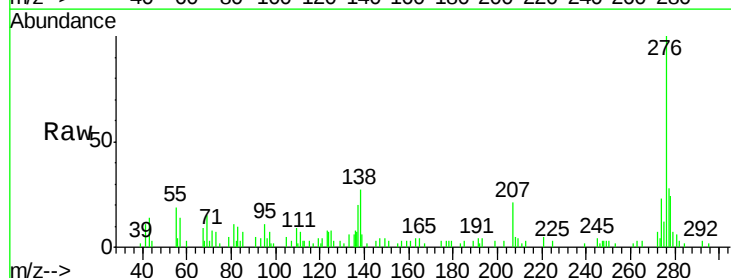
Tgt Ion:276 Resp: 28821

Ion Ratio Lower Upper

276 100

138 28.0 25.0 37.6

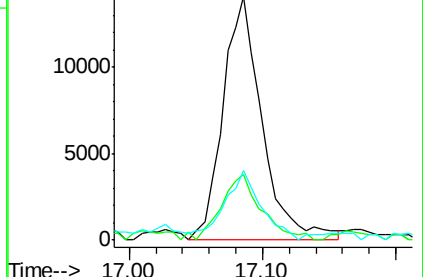
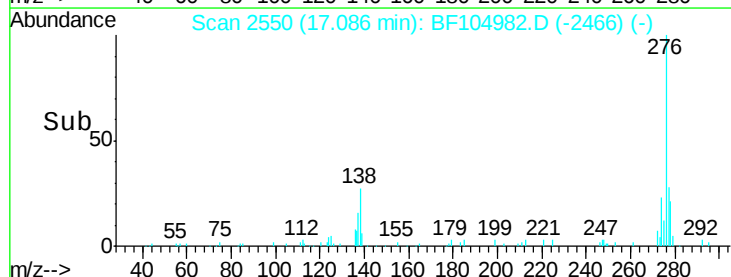
277 27.1 20.1 30.1

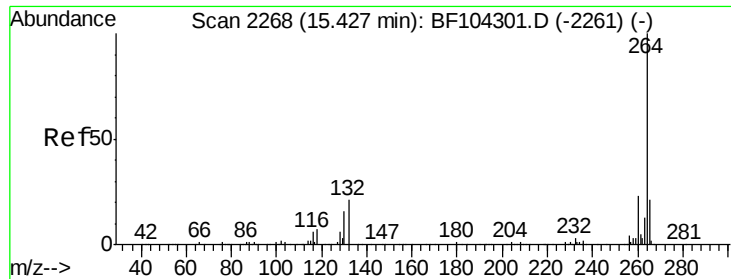


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

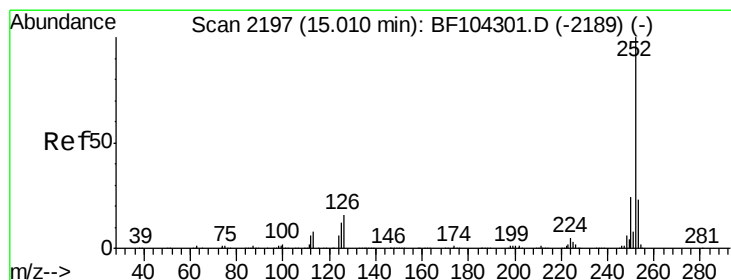
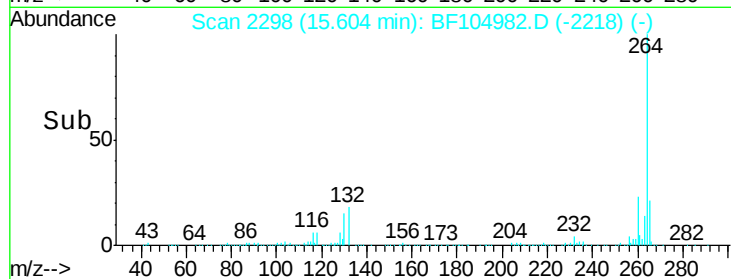
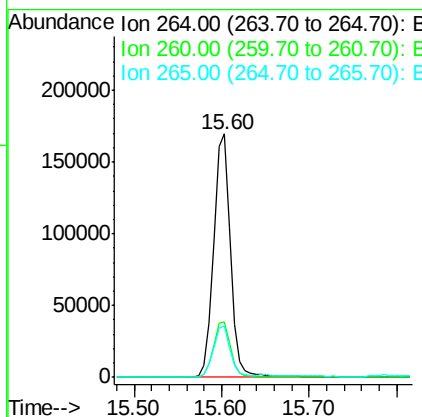
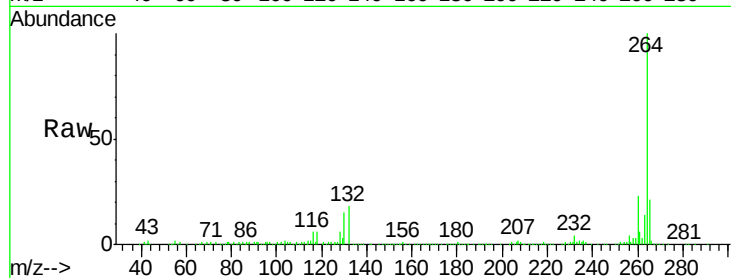




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.17 min
Lab File: BF104982.D
Acq: 1 May 2018 14:35

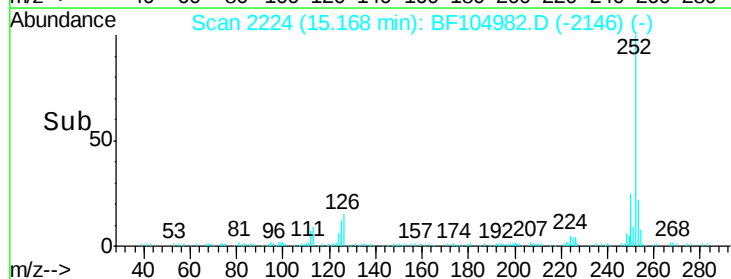
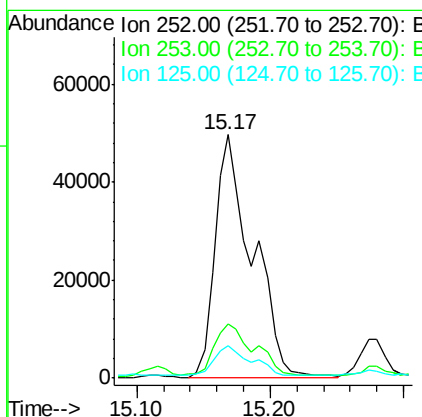
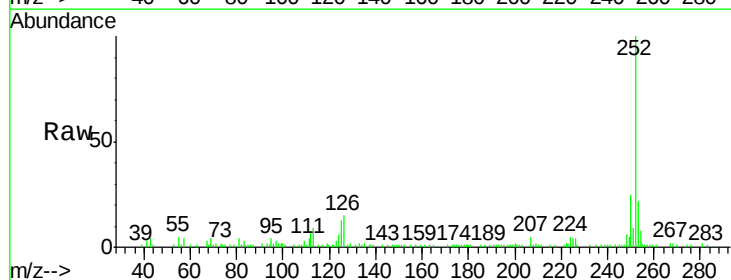
Instrument :
BNA_F
ClientSampleId :

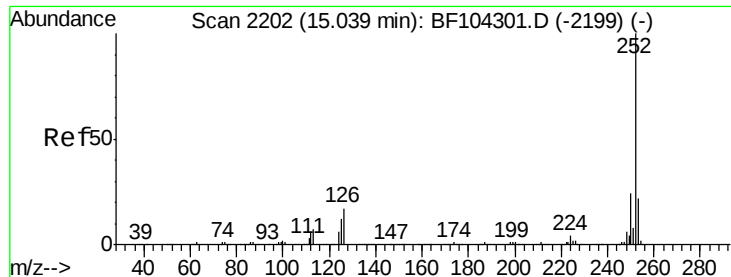
Tot Ion:264 Resp: 228618
Ion Ratio Lower Upper
264 100
260 22.7 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.748 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.16 min
Lab File: BF104982.D
Acq: 1 May 2018 14:35

Tgt Ion:252 Resp: 97436
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 13.4 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 7.148 ng

RT: 15.17 min Scan# 2224

Delta R.T. 0.13 min

Lab File: BF104982.D

Acq: 1 May 2018 14:35

Instrument :

BNA_F

ClientSampleId :

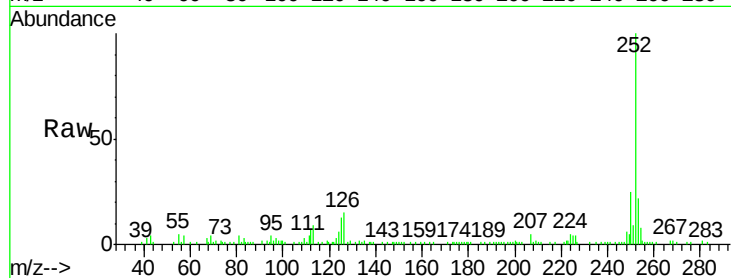
Tot Ion:252 Resp: 97436

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

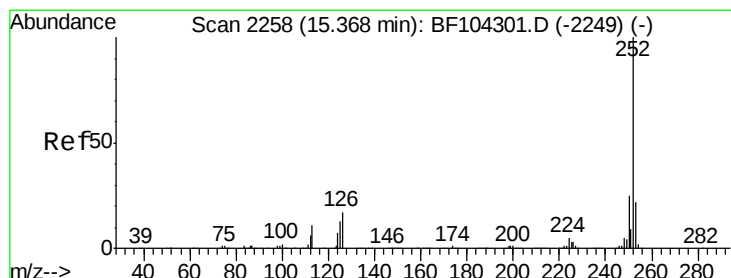
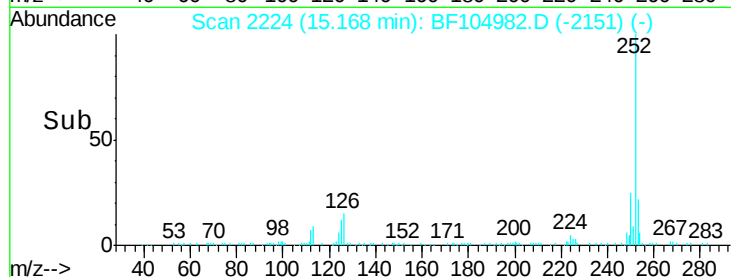
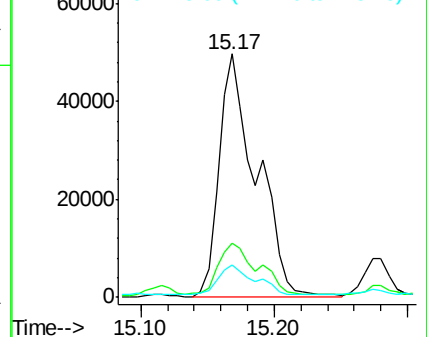
125 13.4 10.2 15.2



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



#89

Benzo(a)pyrene

Concen: 3.853 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.16 min

Lab File: BF104982.D

Acq: 1 May 2018 14:35

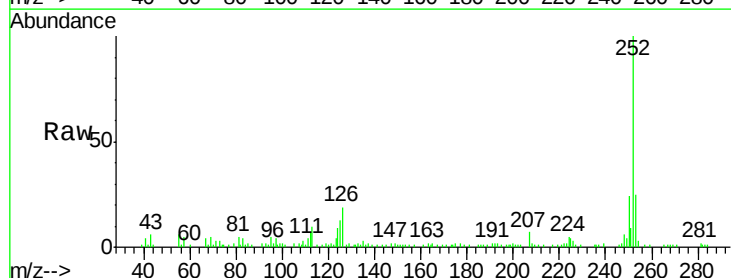
Tgt Ion:252 Resp: 49781

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

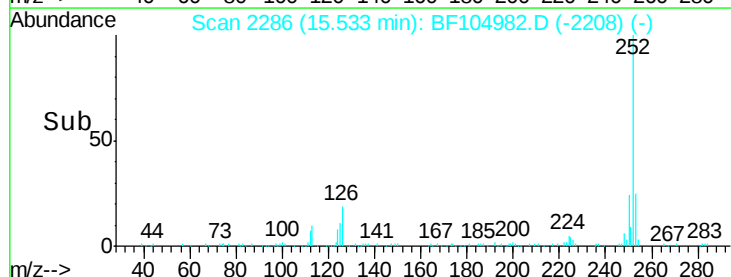
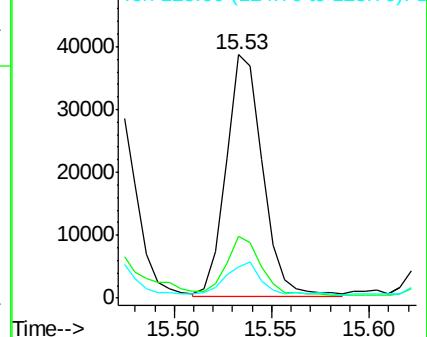
125 12.9 9.8 14.6

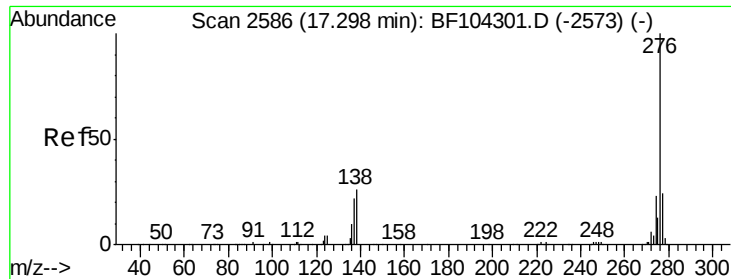


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.582 ng
 RT: 17.53 min Scan# 2626
 Delta R.T. 0.19 min
 Lab File: BF104982.D
 Acq: 1 May 2018 14:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	27.5	21.8	32.8

