

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101481.D
 Acq On : 18 Dec 2017 15:31
 Operator : SJ/JU
 Sample : I6880-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-D

Quant Time: Dec 19 01:21:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	178213	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	692844	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	286002	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	463489	20.00	ng	0.00
75) Chrysene-d12	13.99	240	325475	20.00	ng	0.00
86) Perylene-d12	15.46	264	300483	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1151170	96.22	ng	0.01
7) Phenol-d6	6.45	99	1412188	94.84	ng	0.00
23) Nitrobenzene-d5	7.38	82	890216	71.52	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	256707	93.15	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1329786	72.13	ng	0.00
78) Terphenyl-d14	12.92	244	981043	72.67	ng	0.00

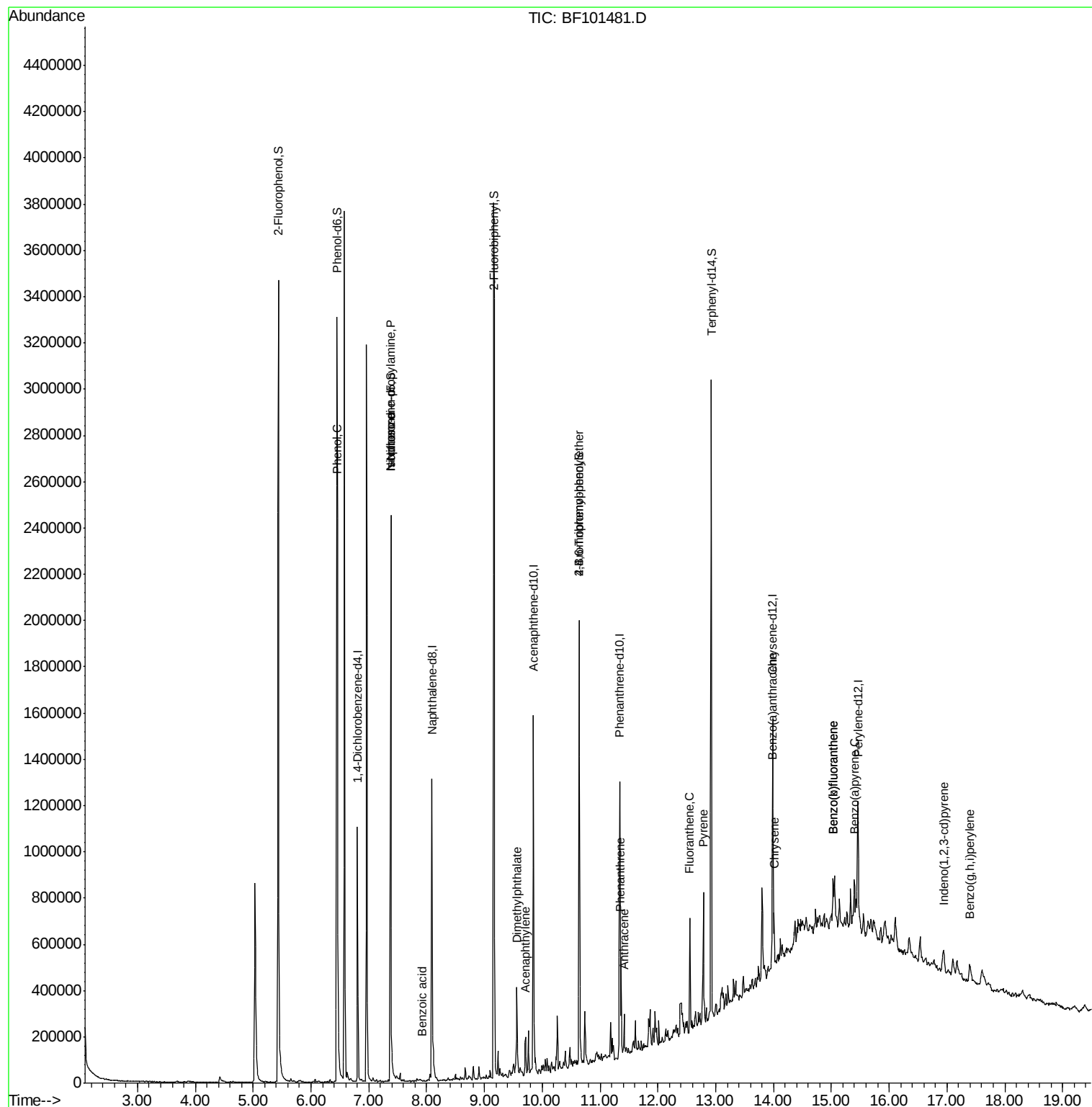
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	58251	3.43	ng	93
19) n-Nitroso-di-n-propylamine	7.38	70	118168	12.08	ng	# 81
25) Isophorone	7.38	82	890210	35.65	ng	# 64
32) Benzoic acid	7.92	122	108	7.97	ng	# 19
48) Acenaphthylene	9.71	152	70670	2.31	ng	99
49) Dimethylphthalate	9.56	163	148373	6.45	ng	# 98
66) 4-Bromophenyl-phenylether	10.64	248	15169	2.91	ng	# 1
70) Phenanthrene	11.36	178	165666	6.43	ng	98
71) Anthracene	11.42	178	75823	2.88	ng	98
74) Fluoranthene	12.55	202	201657	7.45	ng	99
77) Pyrene	12.79	202	226019	9.25	ng	98
80) Benzo(a)anthracene	13.97	228	102391	4.76	ng	97
82) Chrysene	14.01	228	101599	5.01	ng	96
85) Indeno(1,2,3-cd)pyrene	16.94	276	51853	2.87	ng	# 92
87) Benzo(b)fluoranthene	15.03	252	154393	8.43	ng	# 91
88) Benzo(k)fluoranthene	15.03	252	154393	8.67	ng	# 94
89) Benzo(a)pyrene	15.40	252	98683	5.84	ng	# 91
91) Benzo(g,h,i)perylene	17.39	276	60768	4.23	ng	# 92

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

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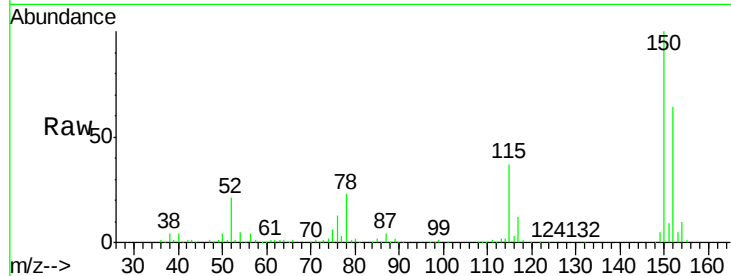


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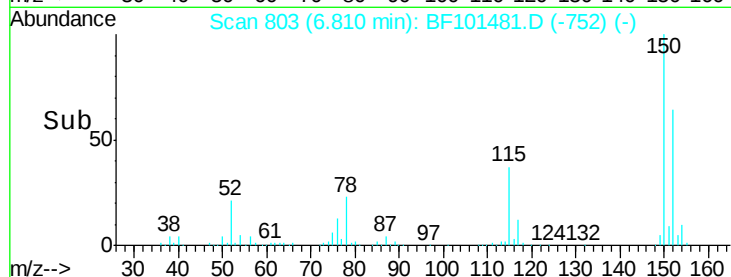
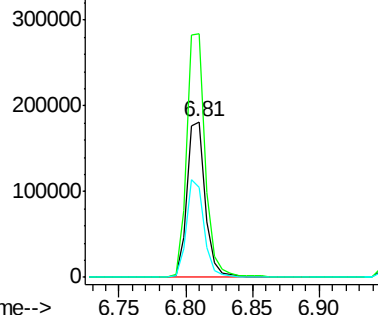
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

Tot Ion:152 Resp: 178213
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 57.9 50.1 75.1



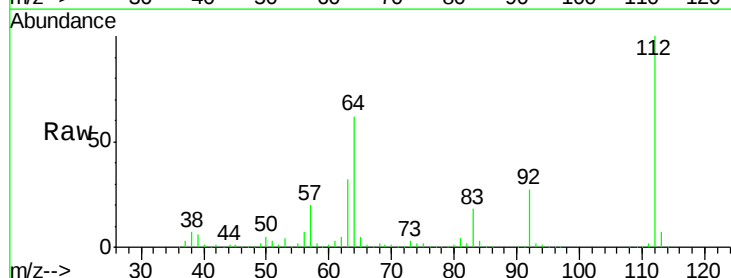
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



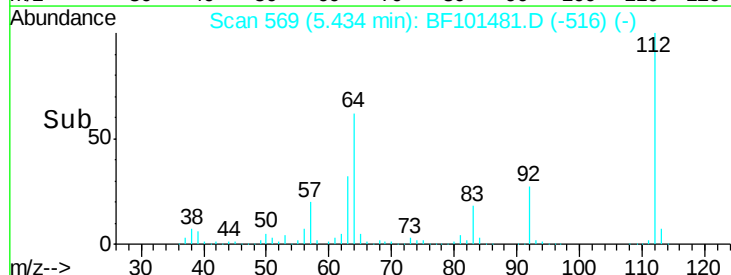
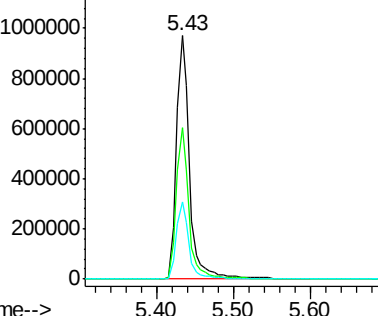
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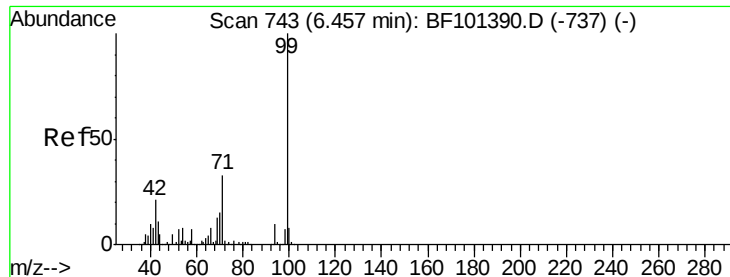
2-Fluorophenol
Concen: 96.22 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion:112 Resp: 1151170
Ion Ratio Lower Upper
112 100
64 62.0 47.9 71.9
63 31.8 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: 94.84 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-D

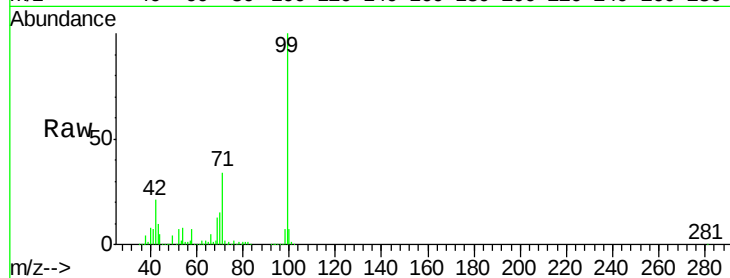
Tot Ion: 99 Resp: 1412188

Ion Ratio Lower Upper

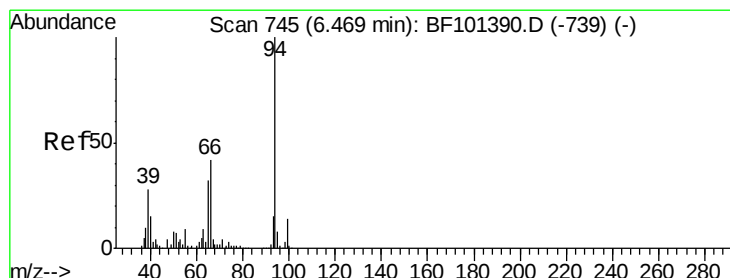
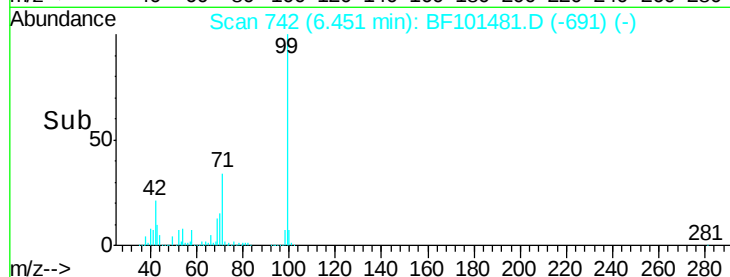
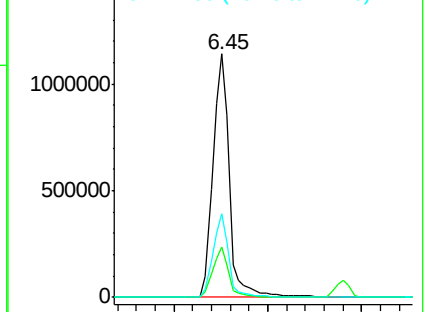
99 100

42 20.8 14.5 21.7

71 34.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.43 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

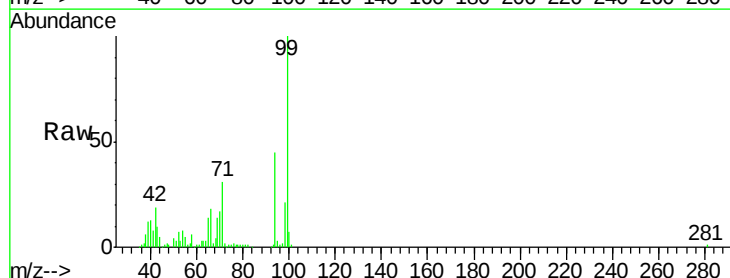
Tgt Ion: 94 Resp: 58251

Ion Ratio Lower Upper

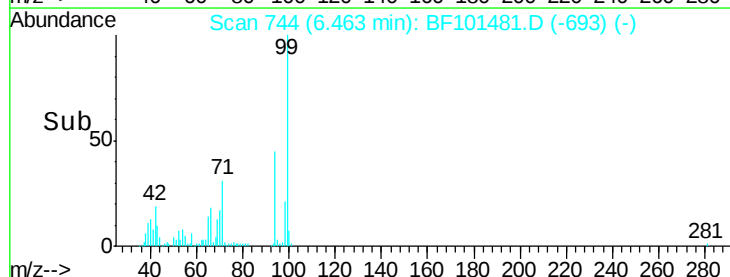
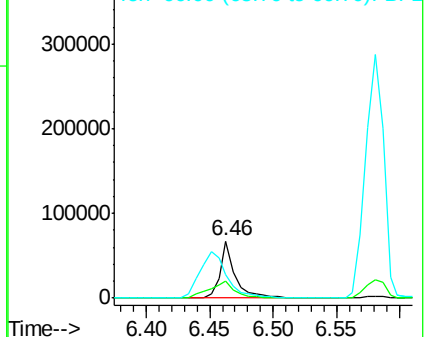
94 100

65 30.8 7.9 47.9

66 41.0 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

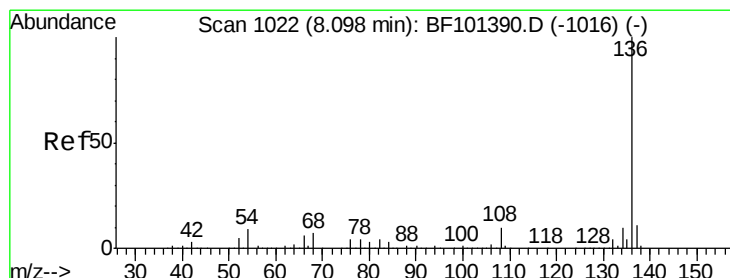
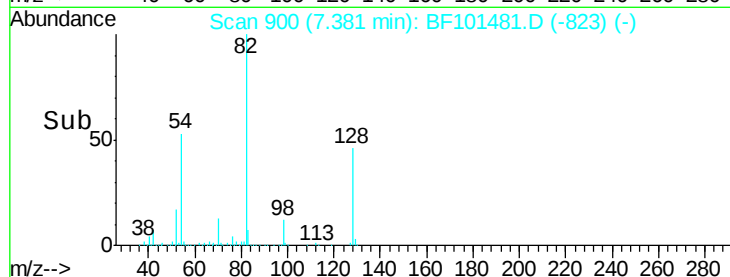
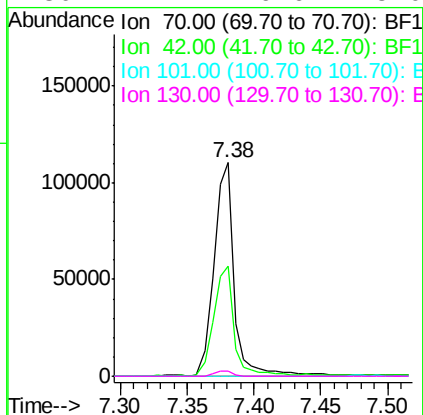
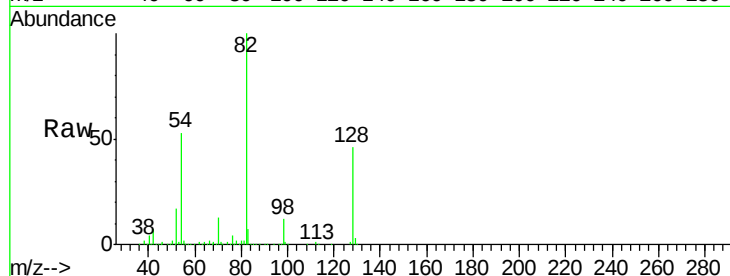




#19
n-Nitroso-di-n-propylamine
Concen: 12.08 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

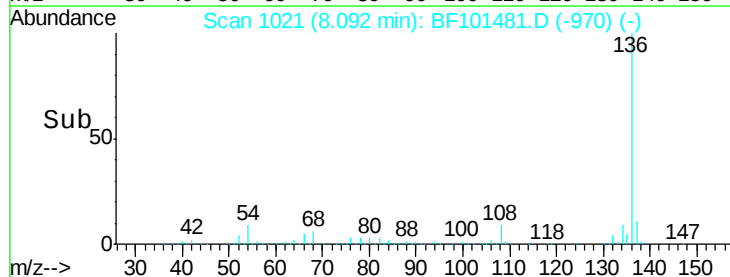
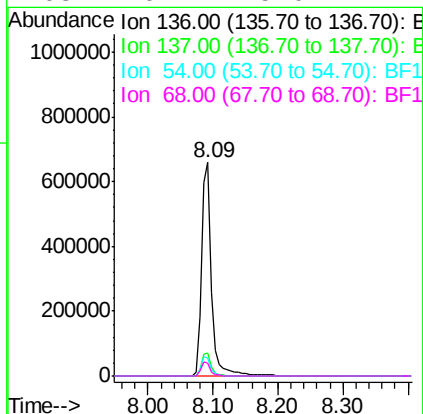
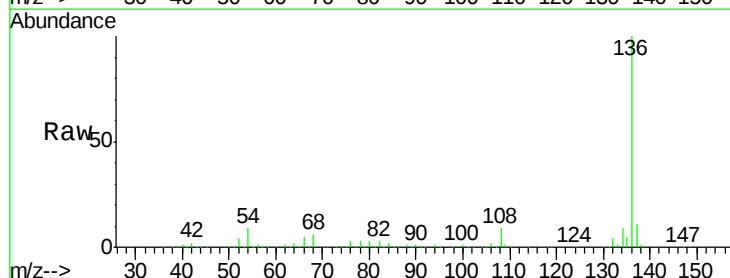
Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

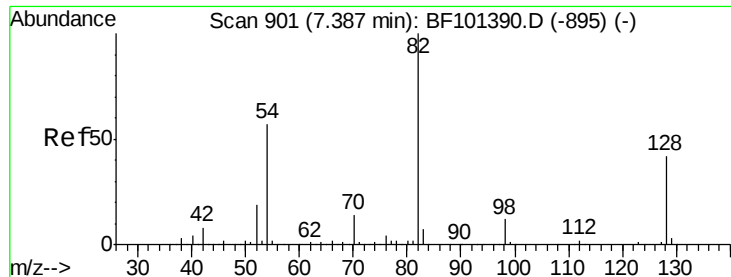
Tot Ion: 70 Resp: 118168
Ion Ratio Lower Upper
70 100
42 51.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion: 136 Resp: 692844
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.5 6.6 9.8
68 6.2 5.0 7.4

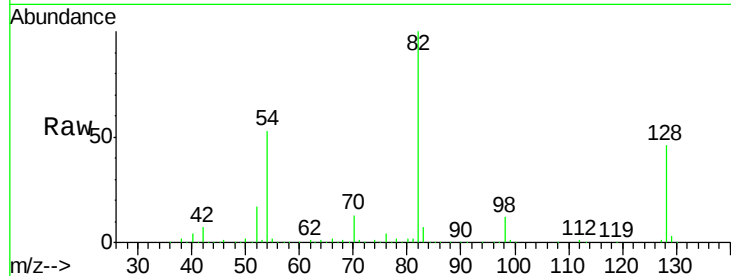




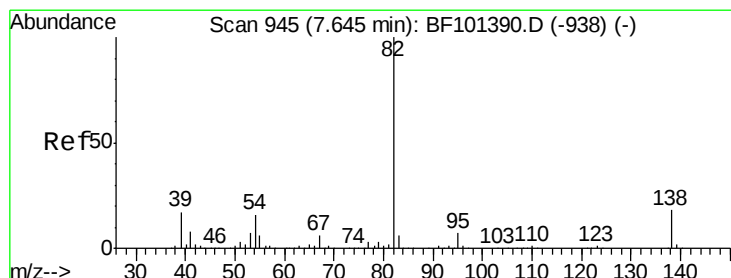
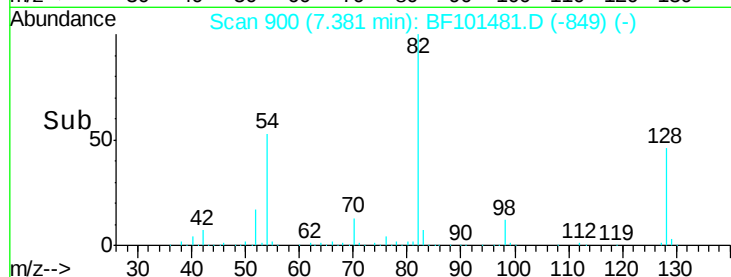
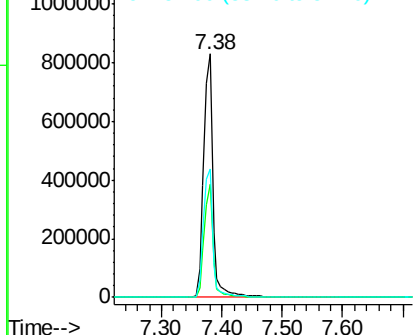
#23
Nitrobenzene-d5
Concen: 71.52 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

Tot Ion: 82 Resp: 890216
Ion Ratio Lower Upper
82 100
128 46.4 36.1 54.1
54 52.8 41.4 62.2

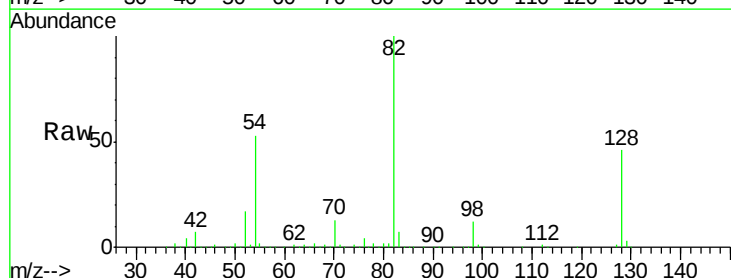


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

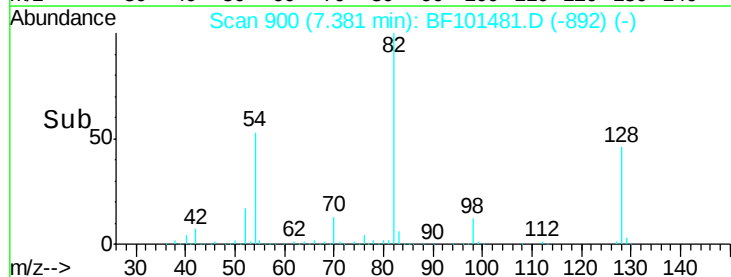
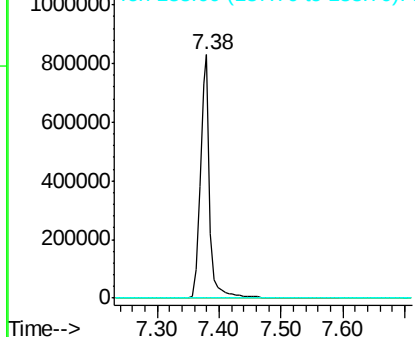


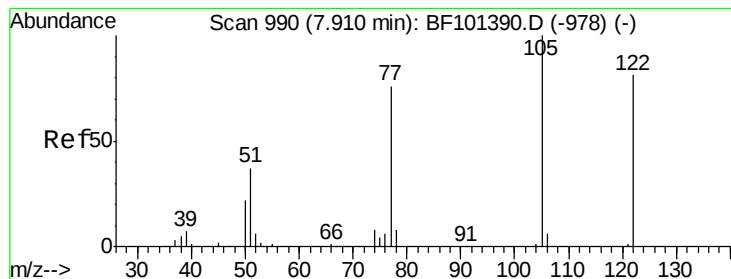
#25
Isophorone
Concen: 35.65 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.25 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion: 82 Resp: 890210
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





#32

Benzoic acid

Concen: 7.97 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.01 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-D

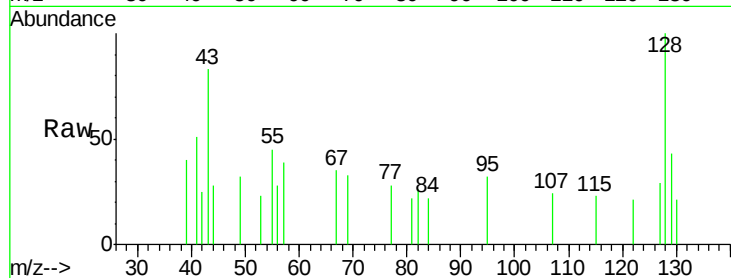
Tot Ion:122 Resp: 108

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

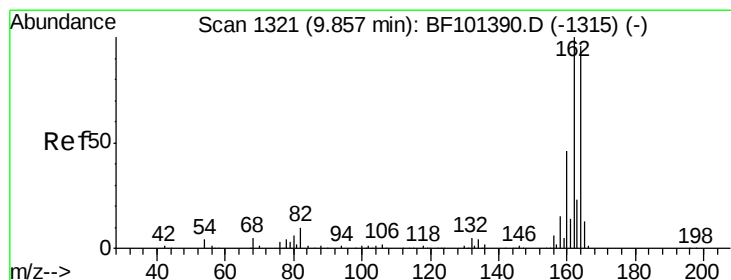
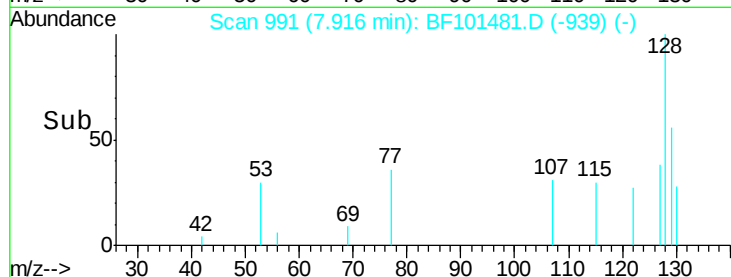
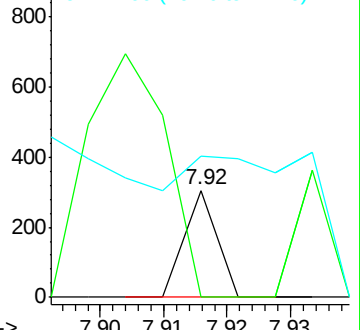
77 132.5 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

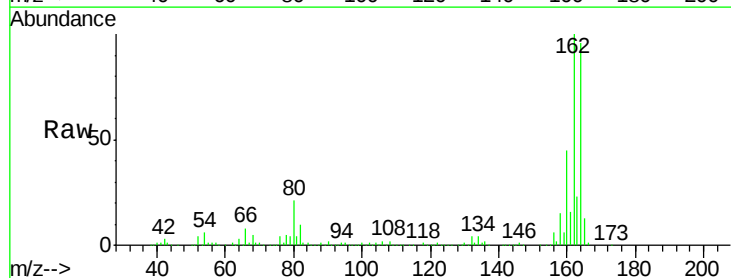
Tgt Ion:164 Resp: 286002

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

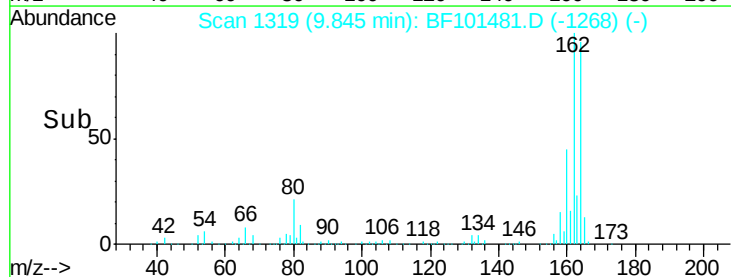
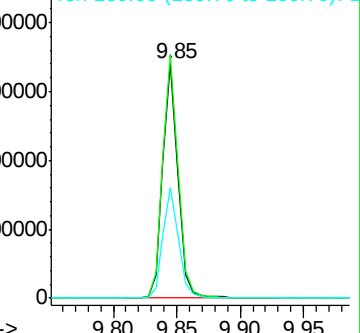
160 47.2 38.3 57.5

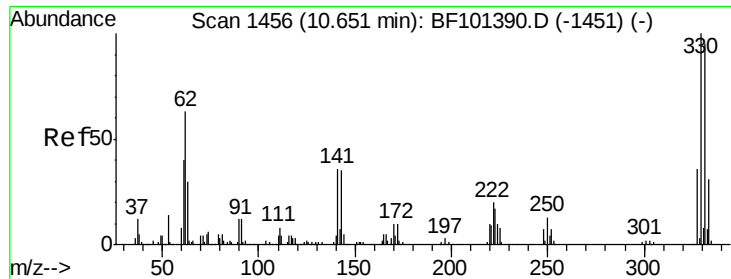


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

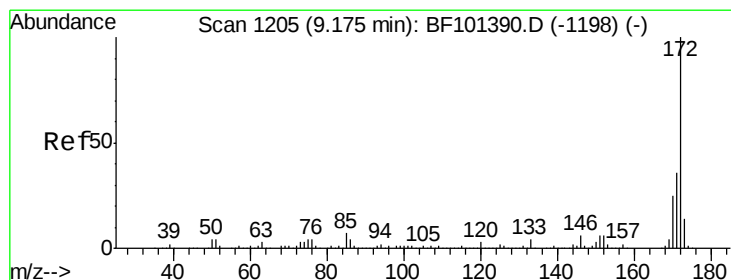
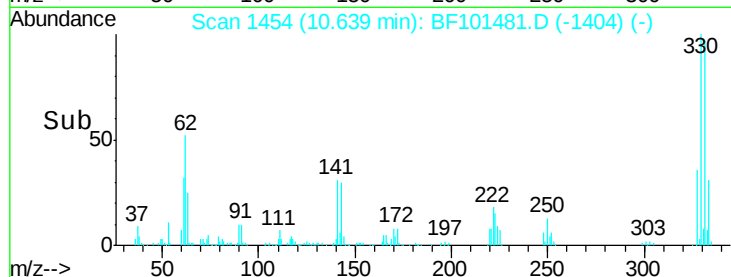
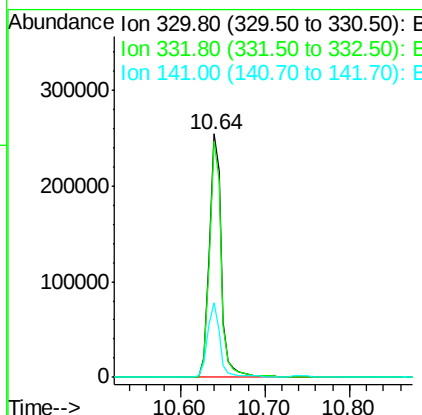
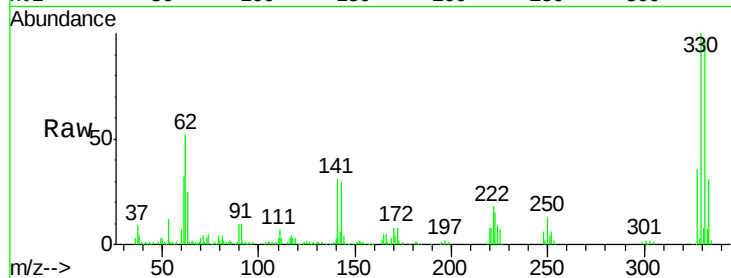




#41
 2,4,6-Tribromophenol
 Concen: 93.15 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

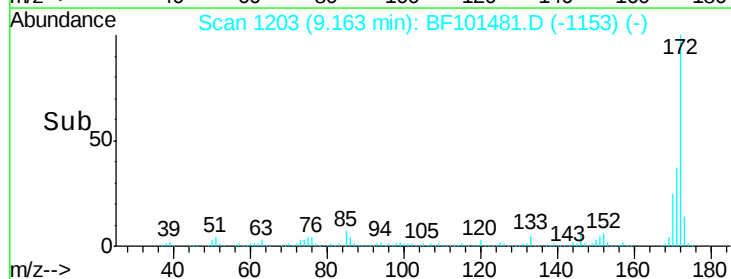
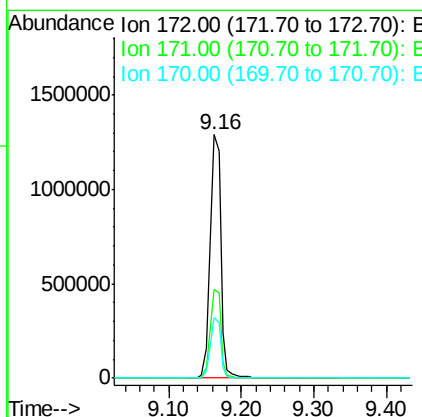
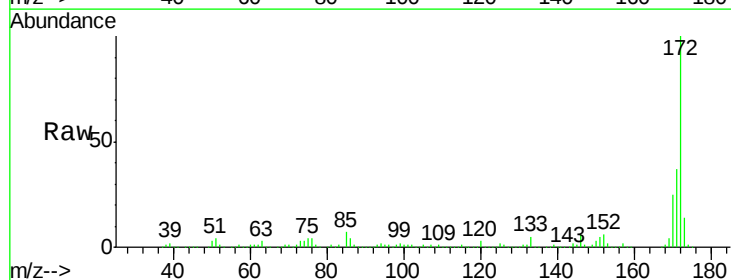
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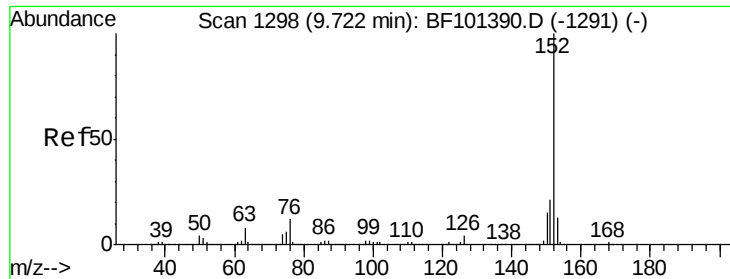
Tot Ion:330 Resp: 256707
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 30.7 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 72.13 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

Tgt Ion:172 Resp: 1329786
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.7 19.6 29.4

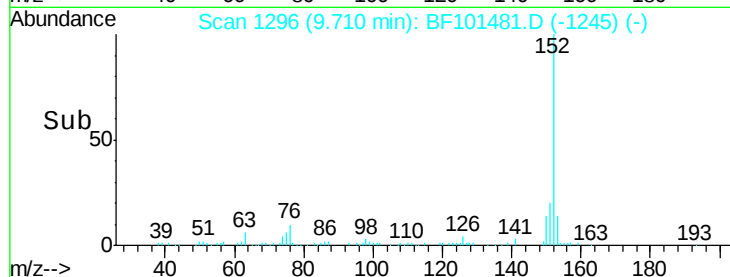
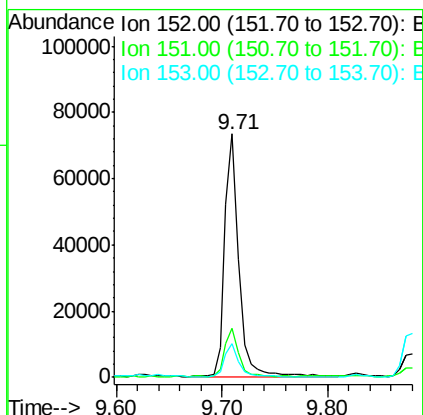
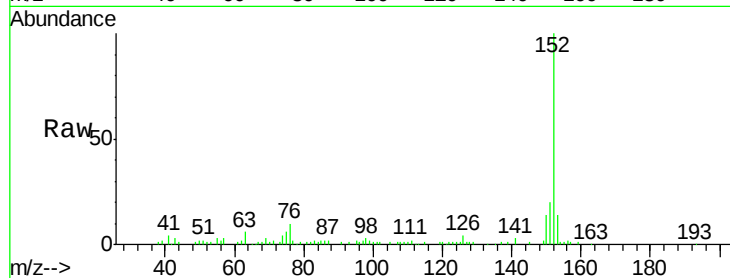




#48
Acenaphthylene
Concen: 2.31 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

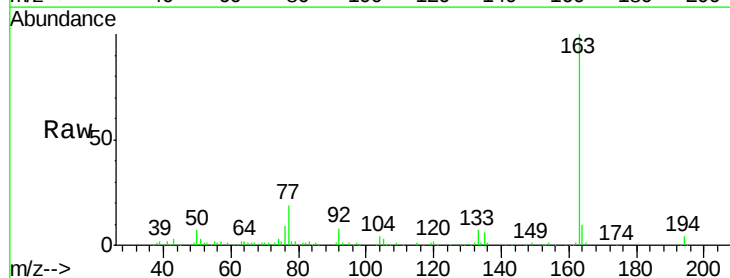
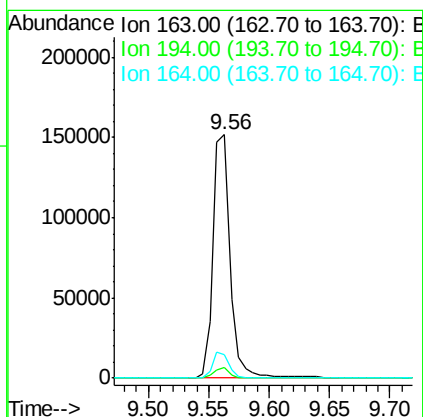
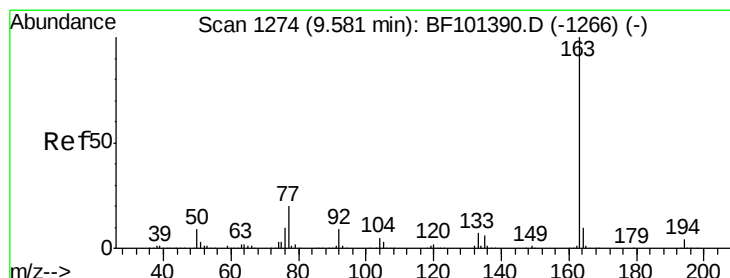
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ClientSampleId :
CL-02-121417-D

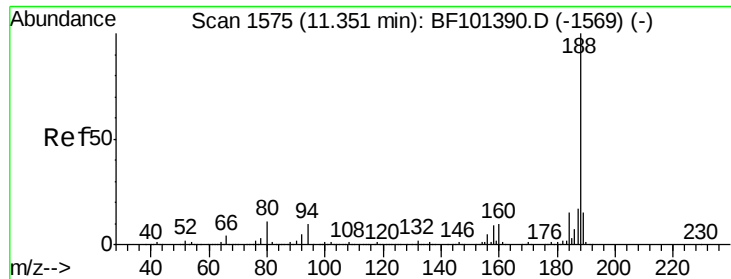
Tot Ion:152 Resp: 70670
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 14.0 10.7 16.1



#49
Dimethylphthalate
Concen: 6.45 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion:163 Resp: 148373
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 9.5 8.2 12.2

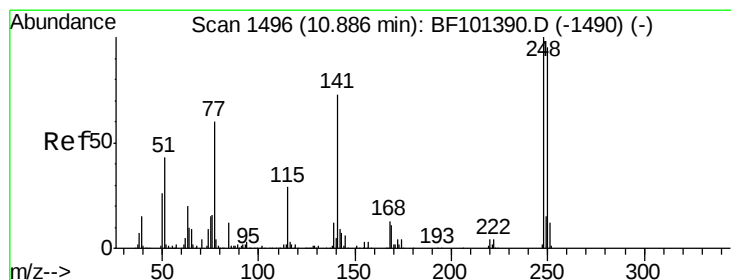
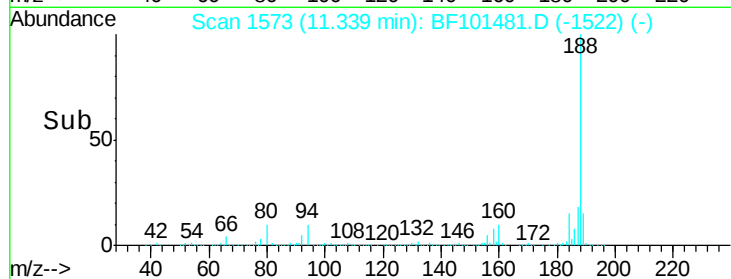
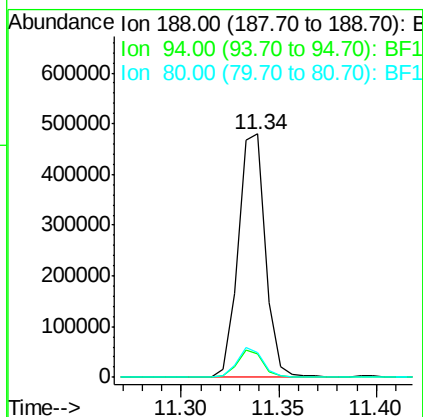
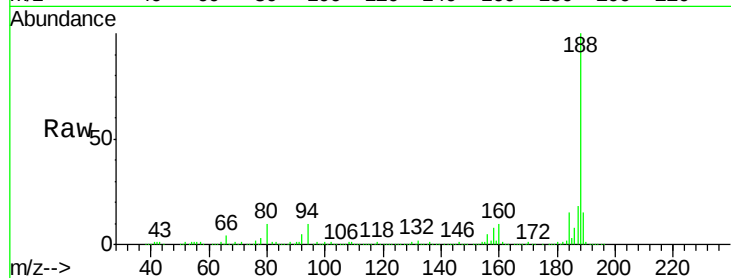




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

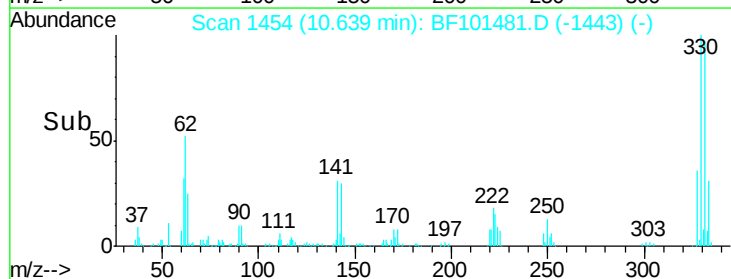
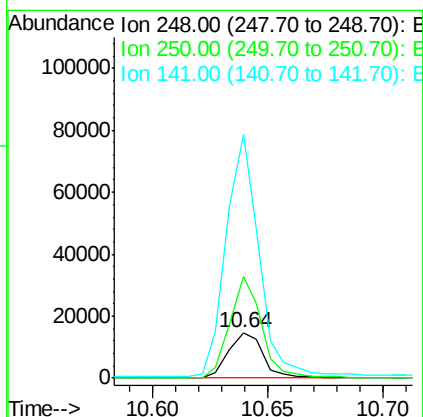
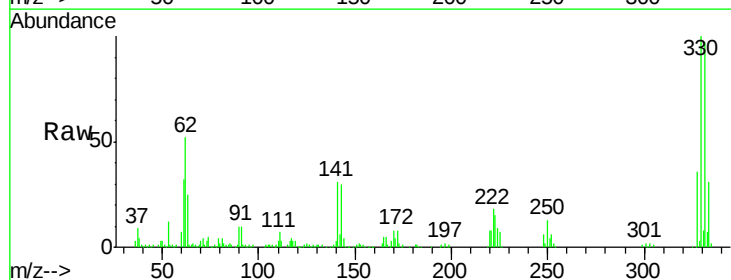
Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

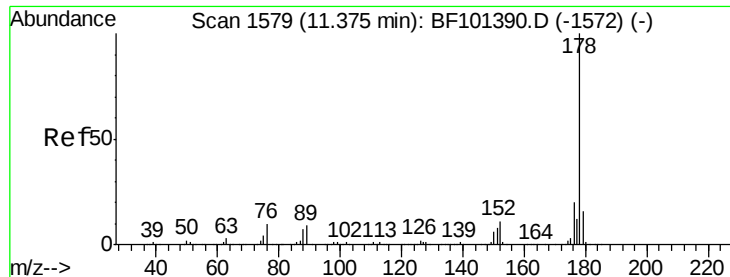
Tot Ion:188 Resp: 463489
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.91 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion:248 Resp: 15169
Ion Ratio Lower Upper
248 100
250 221.7 76.9 115.3#
141 534.8 74.4 111.6#

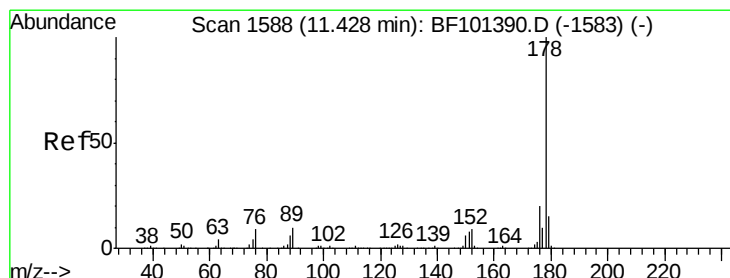
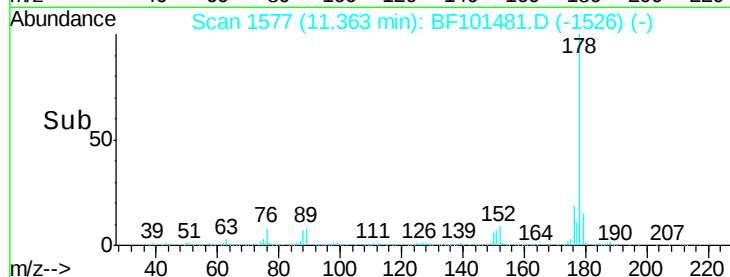
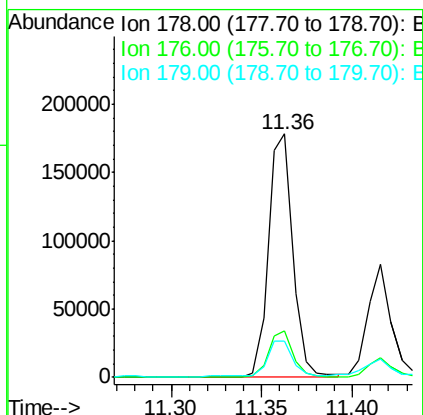
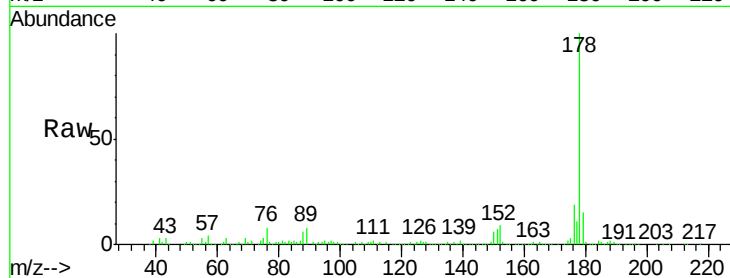




#70
Phenanthrene
Concen: 6.43 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

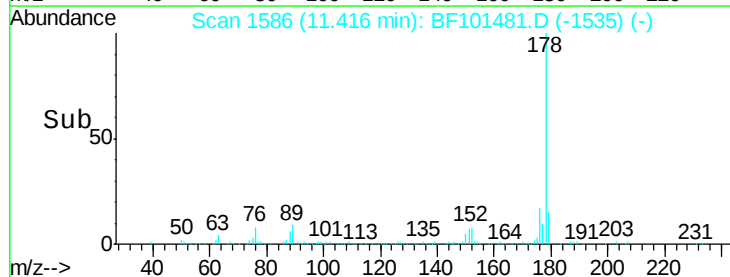
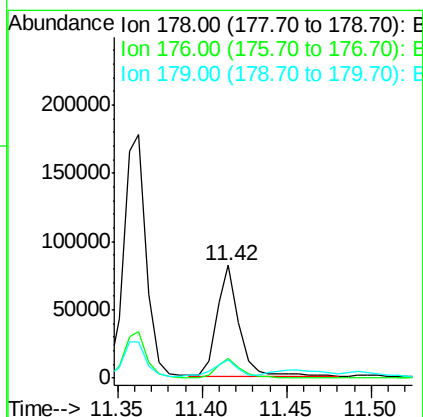
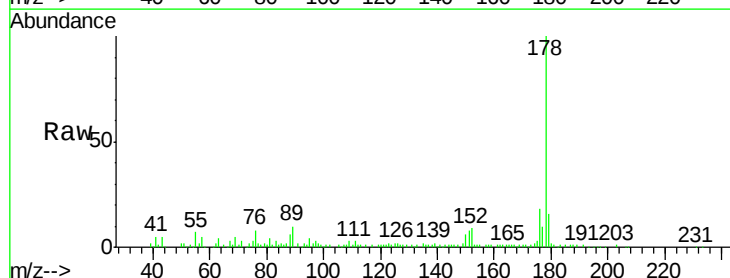
Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

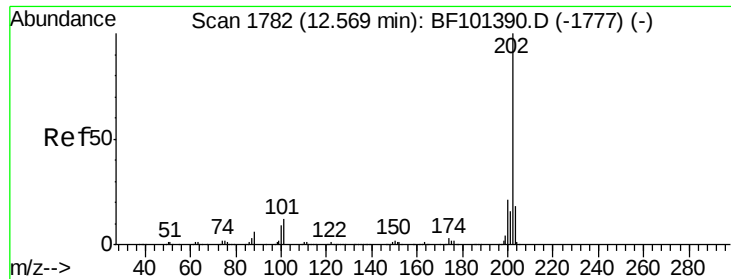
Tot Ion:178 Resp: 165666
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 2.88 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion:178 Resp: 75823
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.2
179 15.8 12.6 19.0

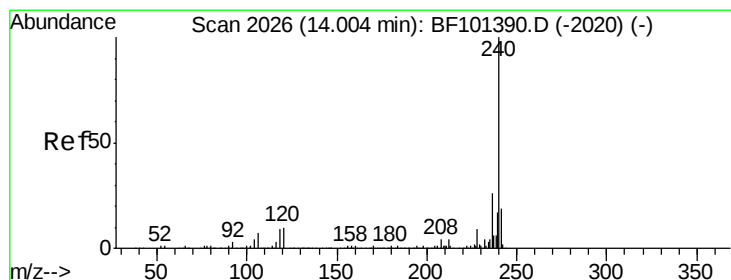
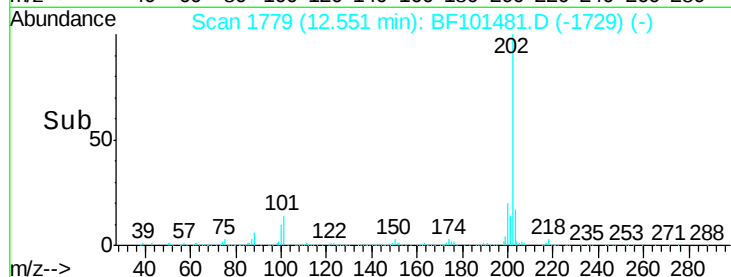
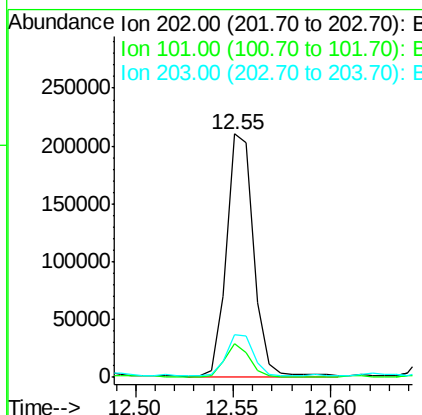
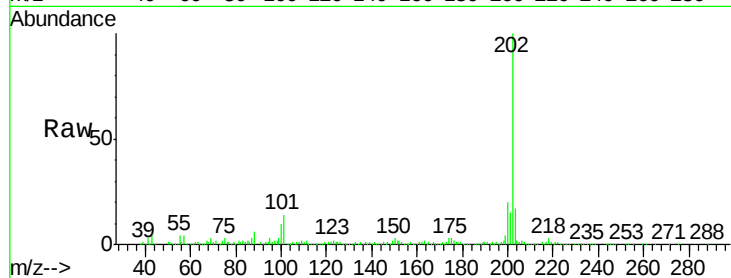




#74
 Fluoranthene
 Concen: 7.45 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

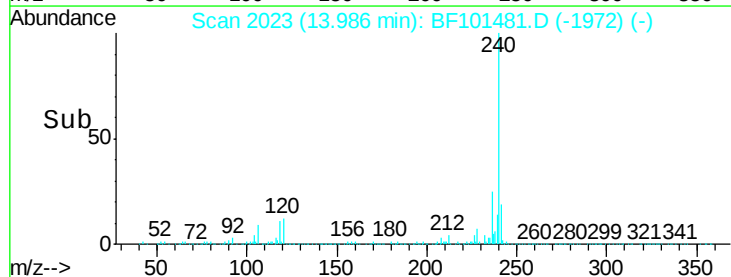
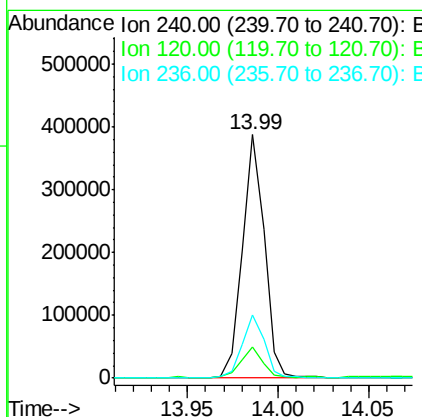
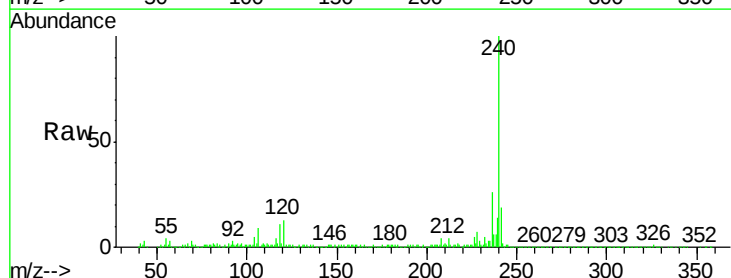
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-D

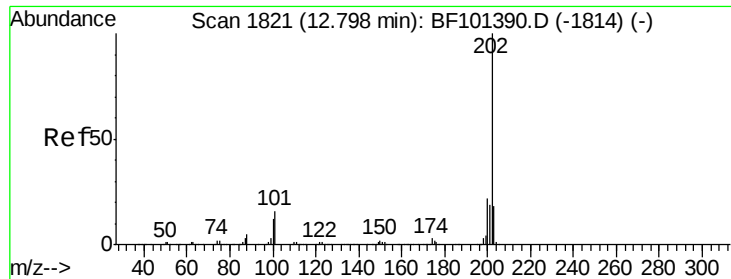
Tot Ion:	202	Resp:	201657
Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.3	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

Tgt Ion:	240	Resp:	325475
Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.5	14.3
236	25.7	20.7	31.1





#77

Pvrene

Concen: 9.25 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-D

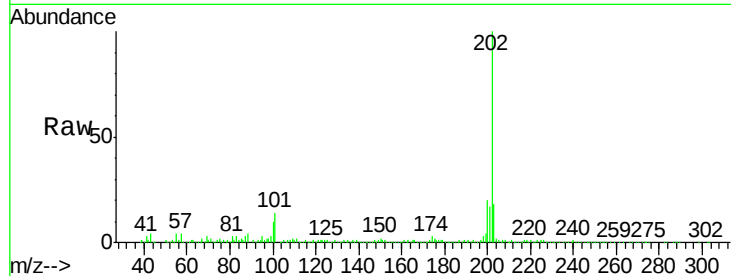
Tot Ion:202 Resp: 226019

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

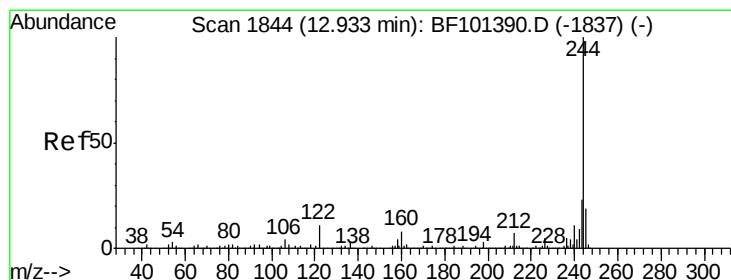
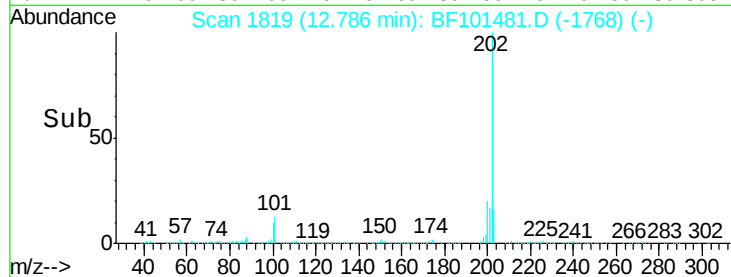
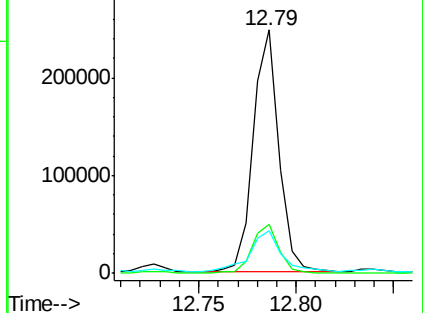
203 17.7 14.3 21.5



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: 72.67 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

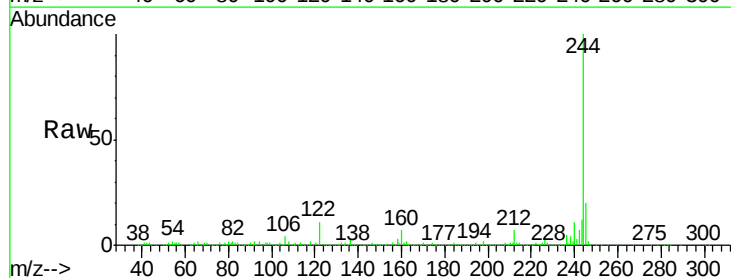
Tgt Ion:244 Resp: 981043

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

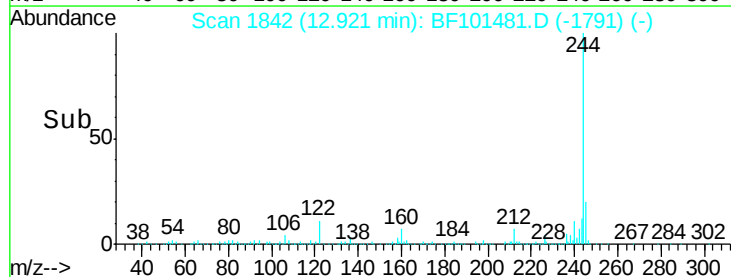
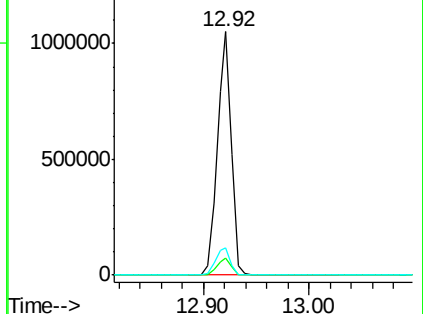
122 11.1 11.0 16.4

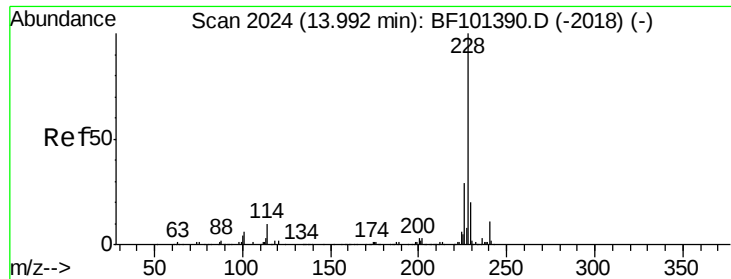


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

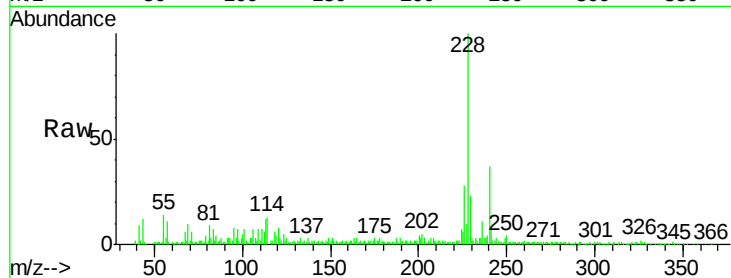




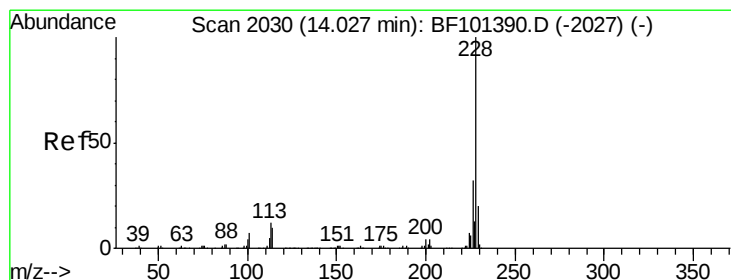
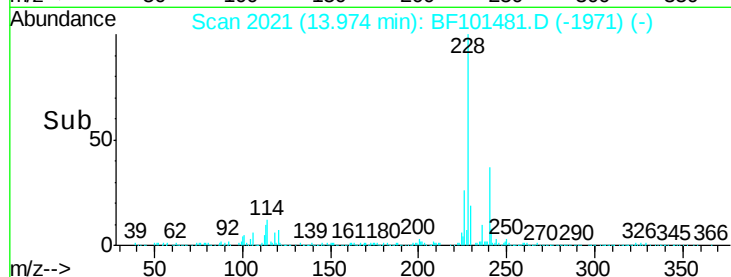
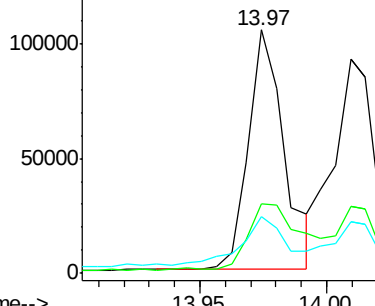
#80
Benzo(a)anthracene
Concen: 4.76 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	23.3	15.8	23.6

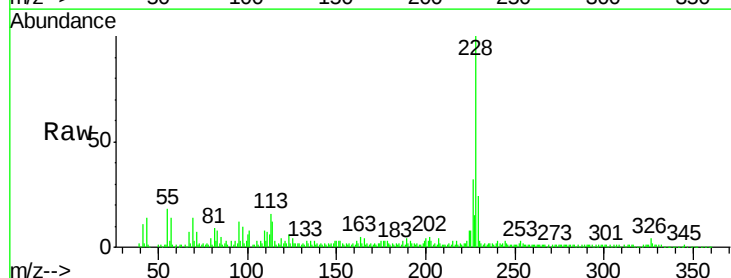


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

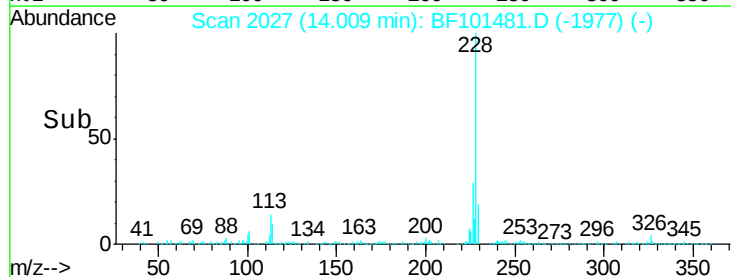
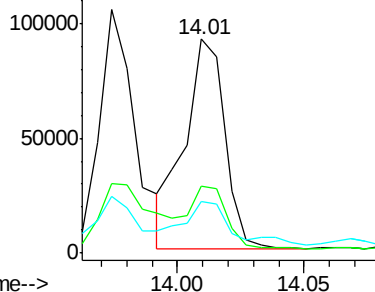


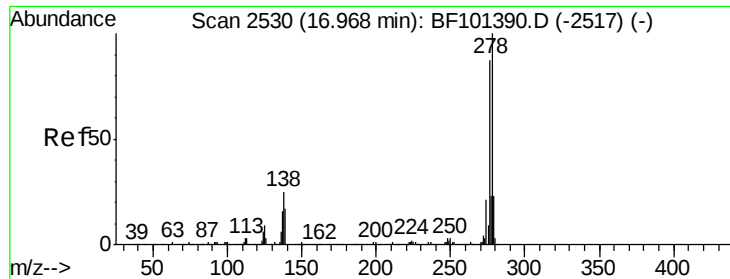
#82
Chrysene
Concen: 5.01 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	24.1	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

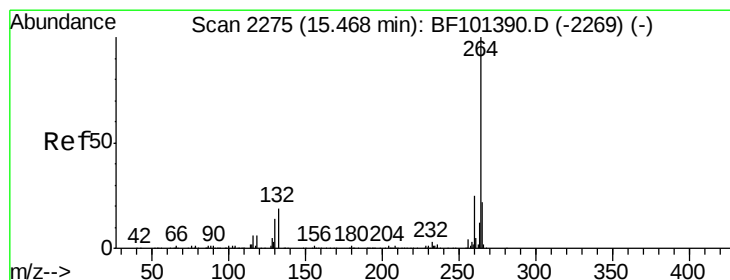
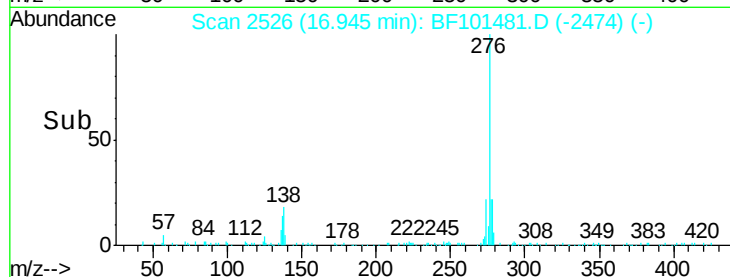
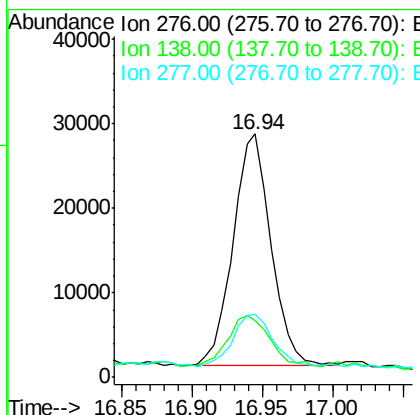
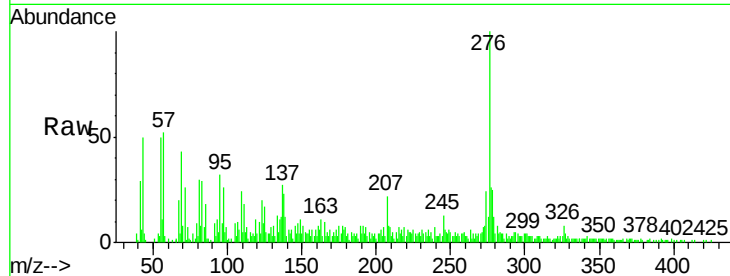




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.87 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

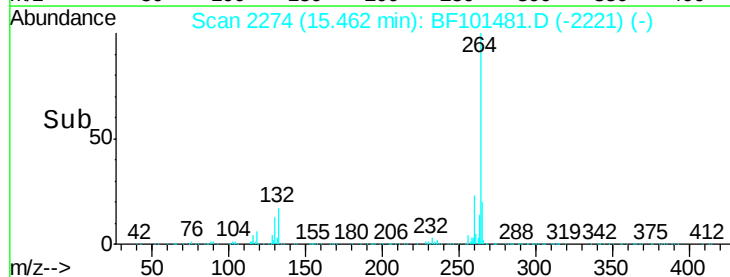
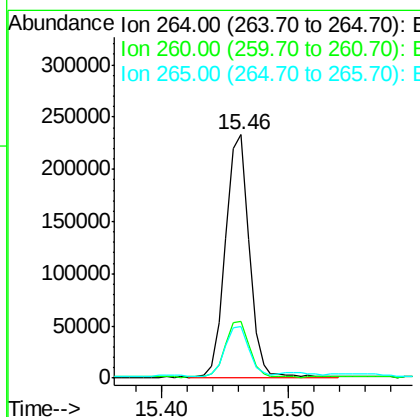
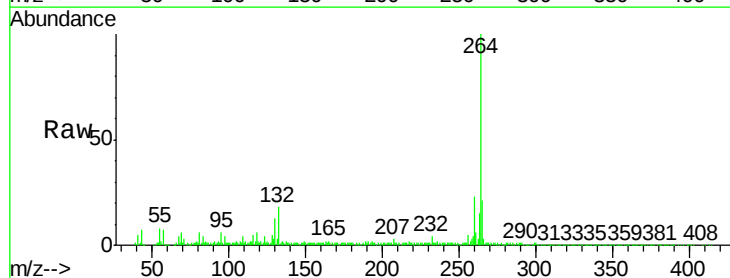
Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

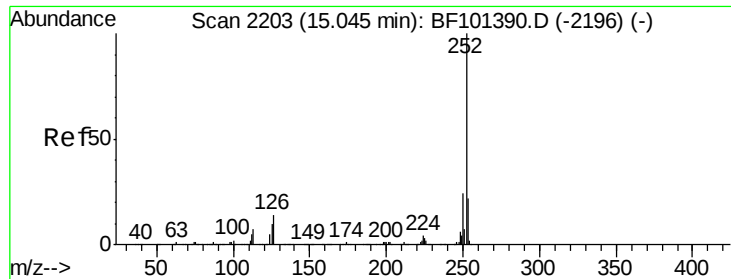
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.0	37.6#
277	23.9	20.1	30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.43 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-D

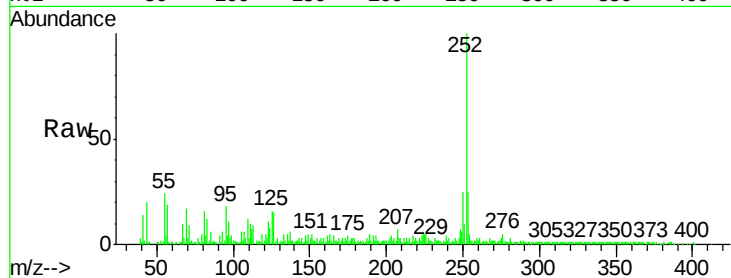
Tot Ion:252 Resp: 154393

Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.6

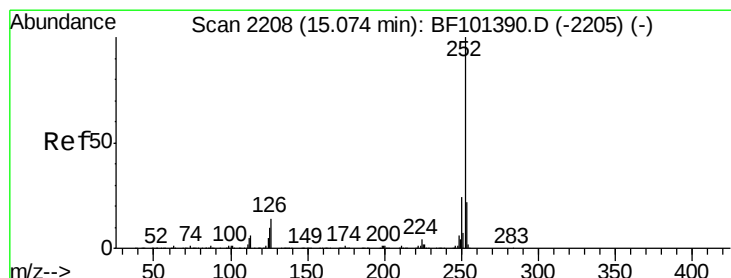
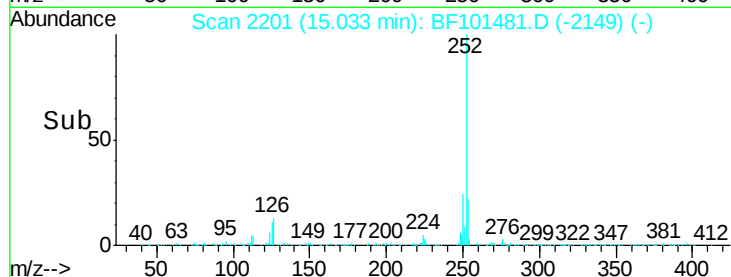
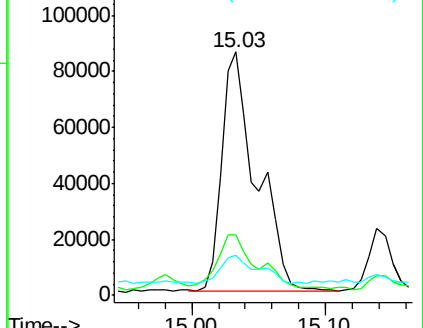
125 16.2 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 8.67 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

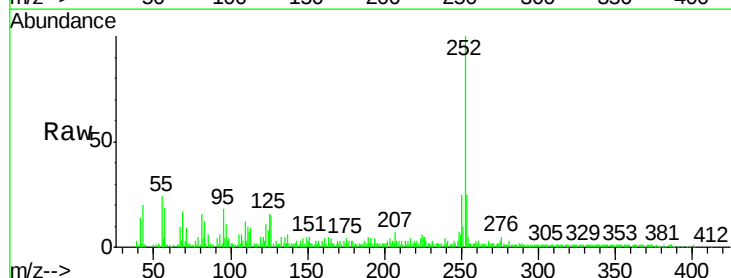
Tgt Ion:252 Resp: 154393

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

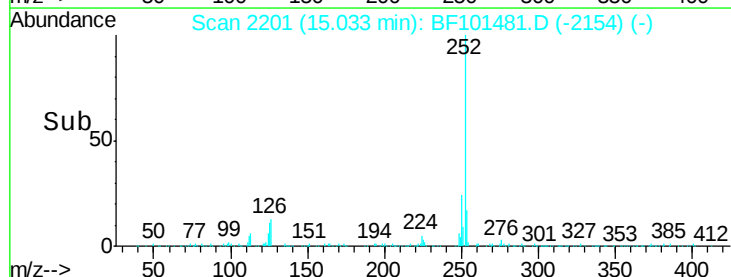
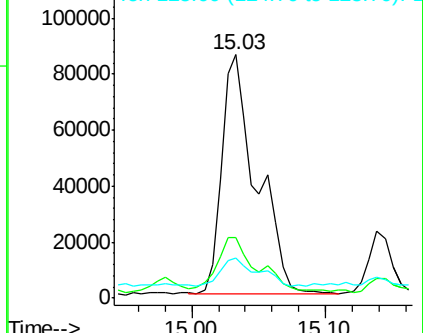
125 16.2 10.2 15.2#

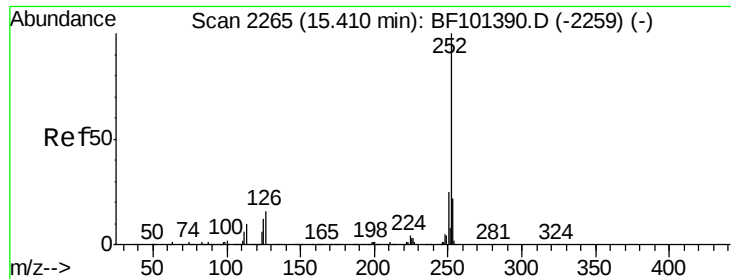


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

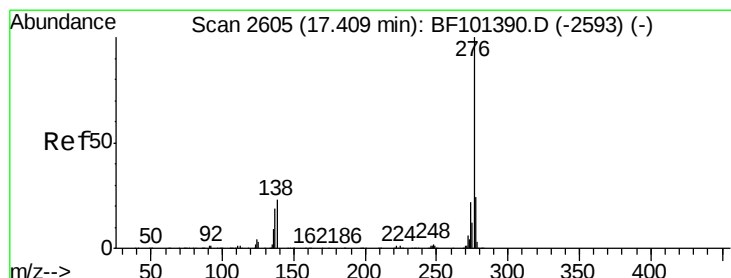
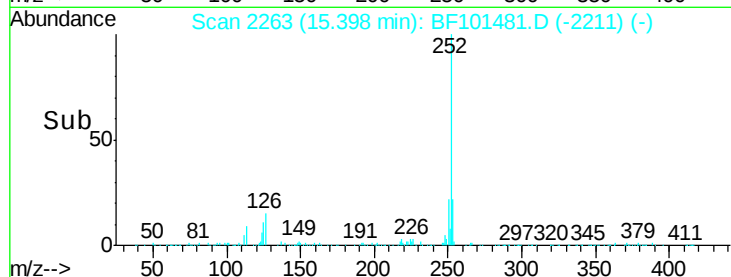
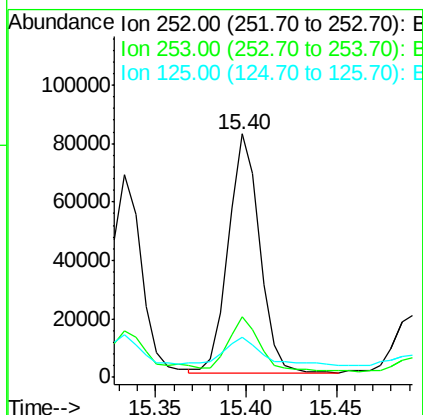
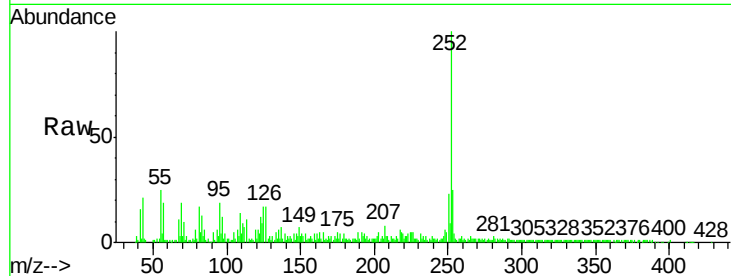




#89
Benzo(a)pyrene
Concen: 5.84 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

Tot Ion:252 Resp: 98683
Ion Ratio Lower Upper
252 100
253 25.1 17.1 25.7
125 16.7 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 4.23 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion:276 Resp: 60768
Ion Ratio Lower Upper
276 100
277 27.5 17.9 26.9#
138 30.8 21.8 32.8

