

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105023.D
 Acq On : 2 May 2018 11:50
 Operator : JU/SJ
 Sample : J2157-19
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-D

Quant Time: May 03 04:20:08 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

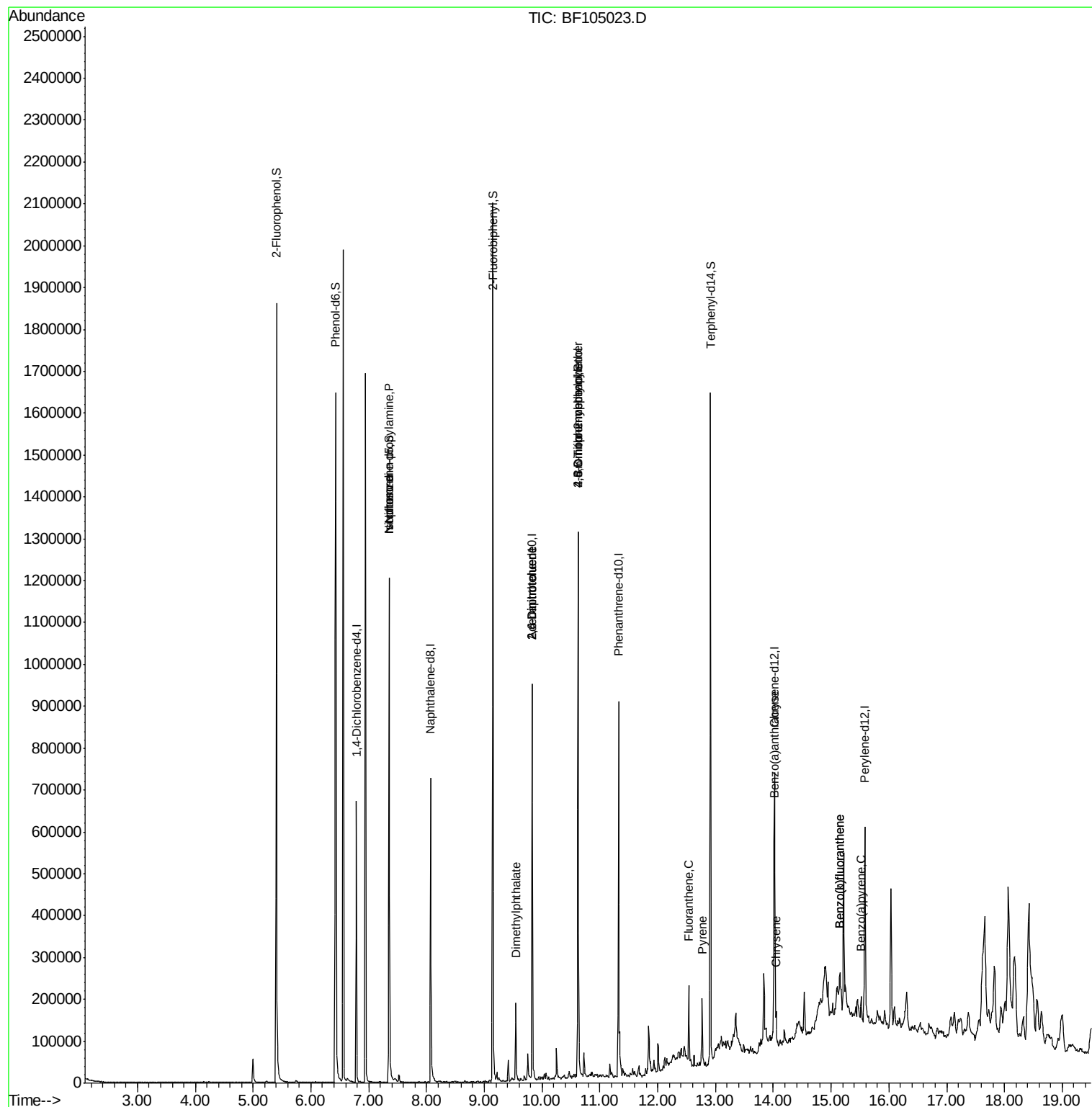
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	92672	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	387422	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	179595	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	315943	20.00	ng	0.00
75) Chrysene-d12	14.02	240	217491	20.00	ng	-0.01
86) Perylene-d12	15.59	264	215300	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	565080	93.24	ng	0.00
7) Phenol-d6	6.43	99	690756	92.76	ng	-0.01
23) Nitrobenzene-d5	7.36	82	410487	69.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	185580	99.61	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	735670	64.71	ng	0.00
78) Terphenyl-d14	12.92	244	590357	61.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	53325	10.958	ng	Qvalue # 71
25) Isophorone	7.36	82	404654	32.253	ng	# 64
49) Dimethylphthalate	9.55	163	79928	5.644	ng	99
50) 2,6-Dinitrotoluene	9.83	165	22429	8.559	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	22429	6.525	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	253	7.486	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	11470	3.413	ng	# 1
74) Fluoranthene	12.54	202	69759	3.795	ng	96
76) Benzidine	12.91	184	7381	Below Cal		# 86
77) Pyrene	12.77	202	62225	3.860	ng	98
80) Benzo(a)anthracene	14.01	228	29680	2.284	ng	93
82) Chrysene	14.05	228	33740	2.528	ng	98
87) Benzo(b)fluoranthene	15.15	252	57658	4.240	ng	# 94
88) Benzo(k)fluoranthene	15.15	252	57658	4.491	ng	# 97
89) Benzo(a)pyrene	15.52	252	29017	2.385	ng	# 88

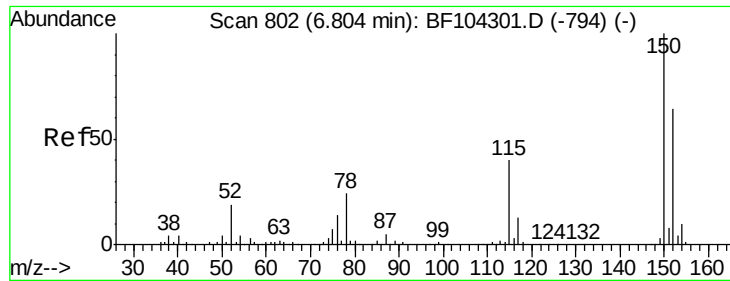
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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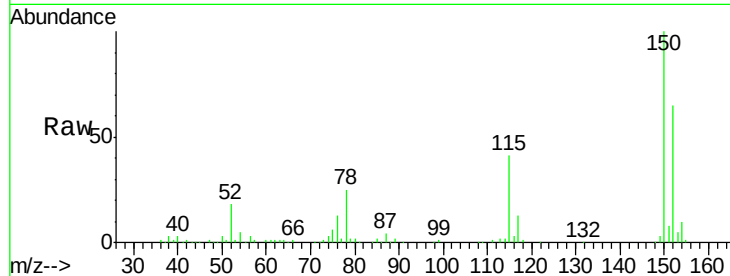


#1

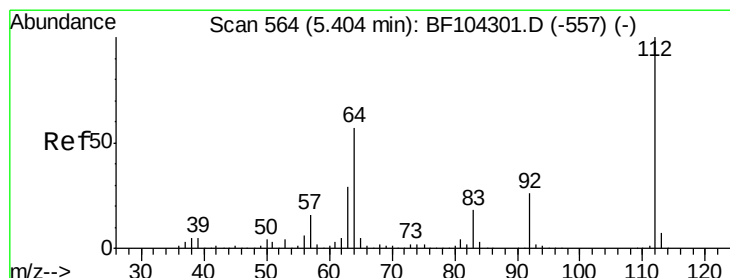
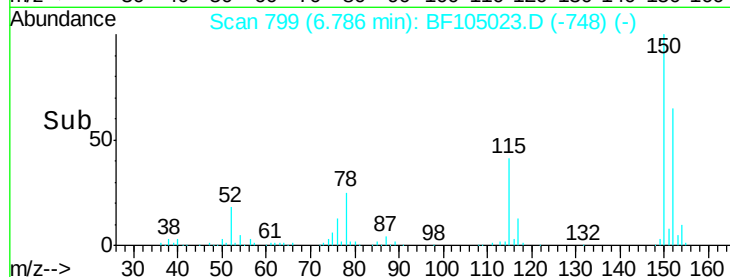
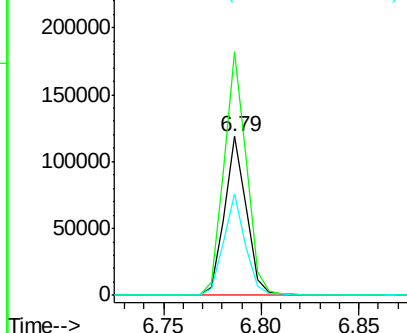
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-D

Tgt Ion:152 Resp: 92672
Ion Ratio Lower Upper
152 100
150 153.6 124.6 186.8
115 63.7 50.1 75.1



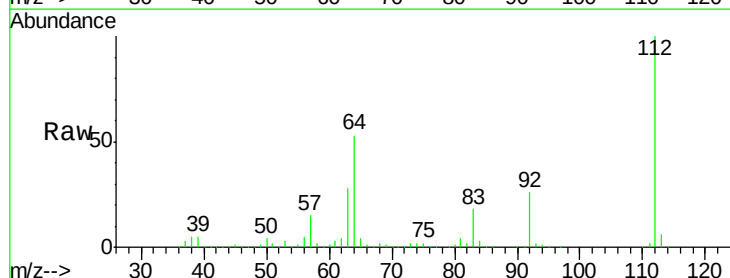
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



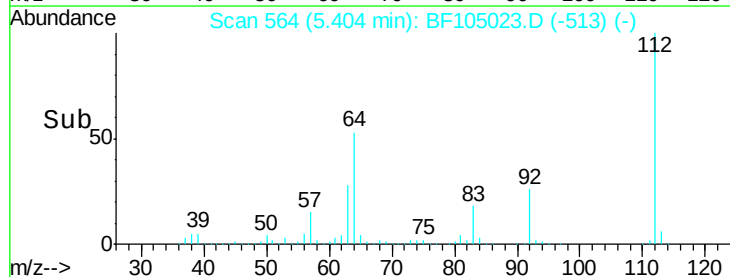
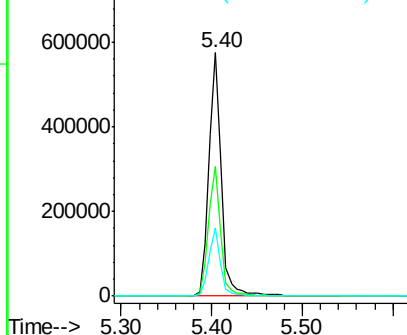
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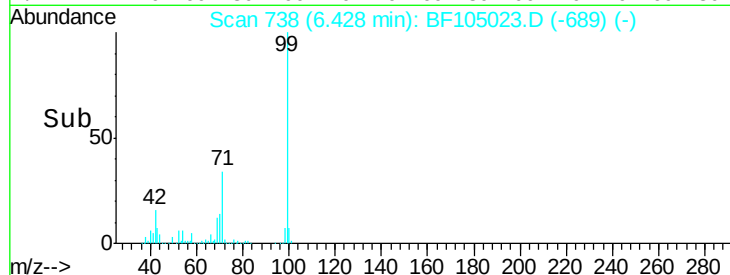
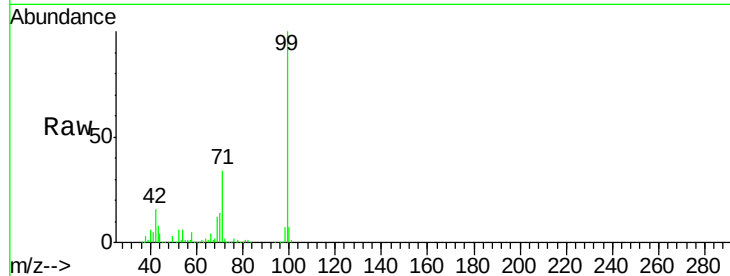
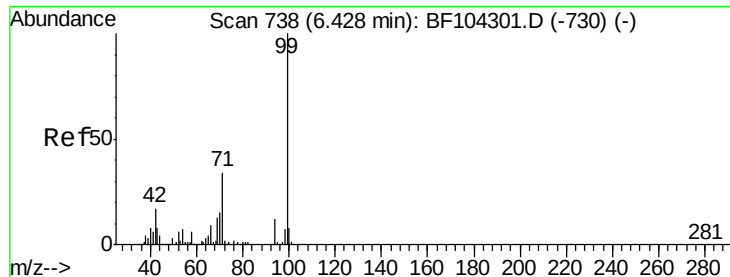
2-Fluorophenol
Concen: 93.236 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

Tgt Ion:112 Resp: 565080
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 27.8 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: 92.760 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-D

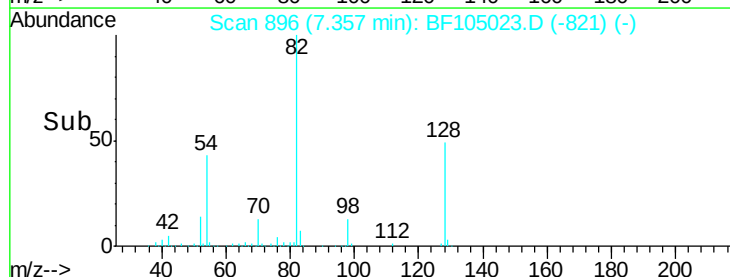
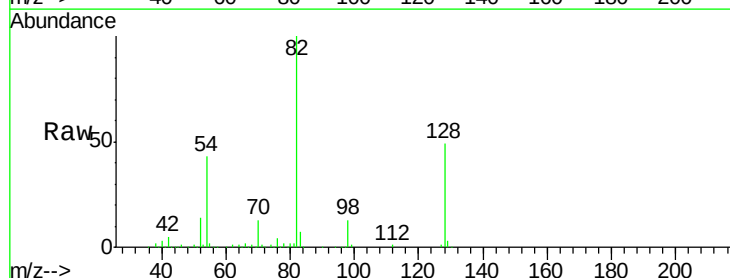
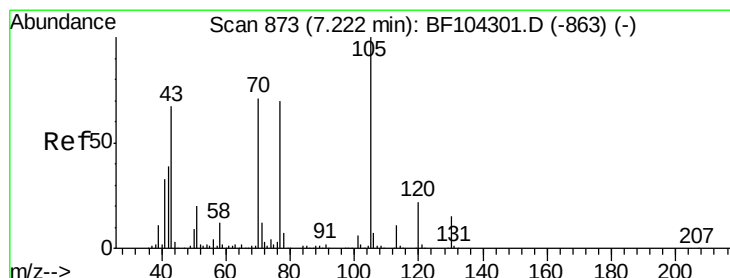
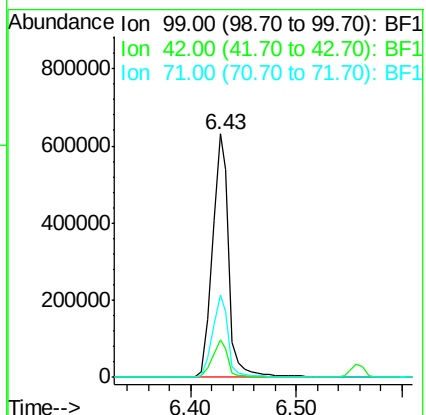
Tgt Ion: 99 Resp: 690756

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 33.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.958 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

Tgt Ion: 70 Resp: 53325

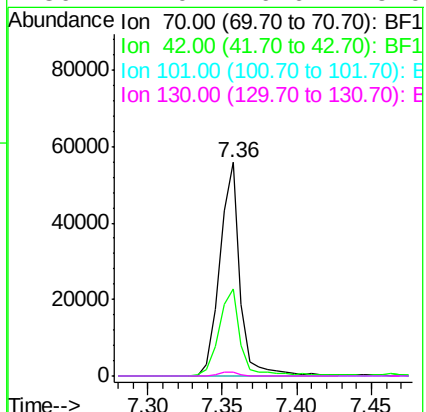
Ion Ratio Lower Upper

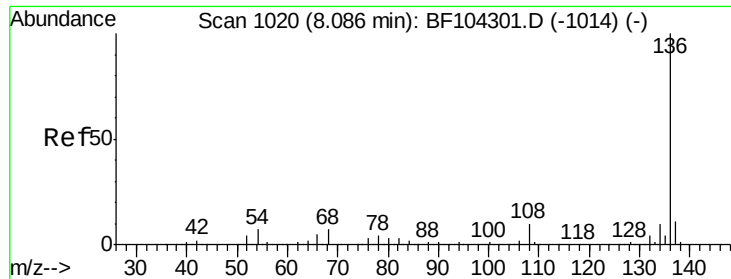
70 100

42 40.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

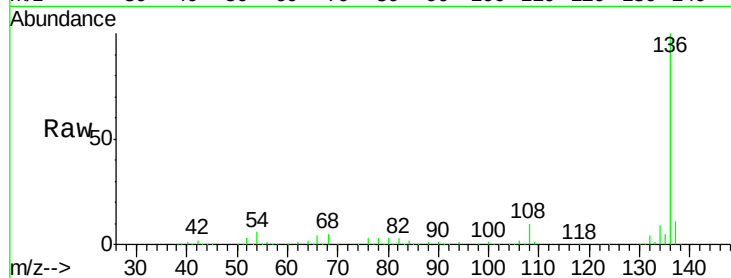




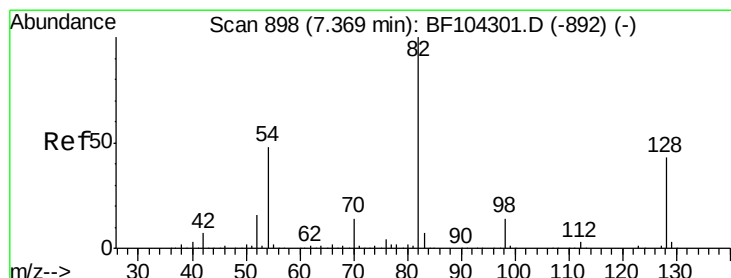
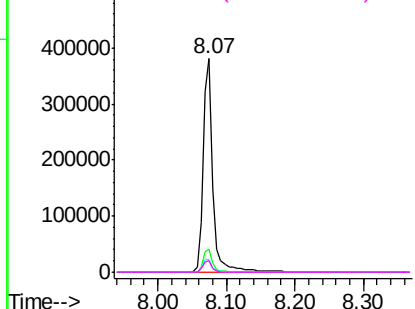
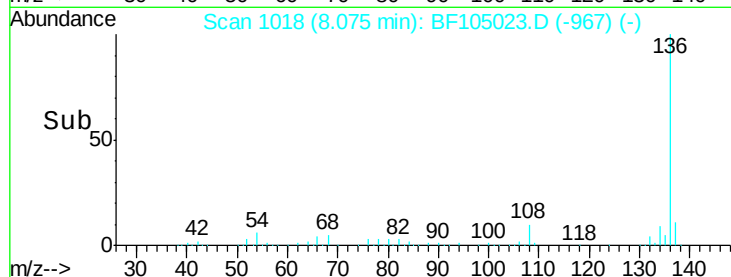
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-D

Tgt Ion: 136 Resp: 387422
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 5.9 6.6 9.8#
68 5.3 5.0 7.4

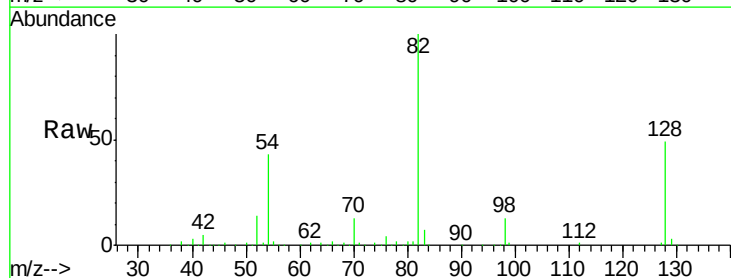


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

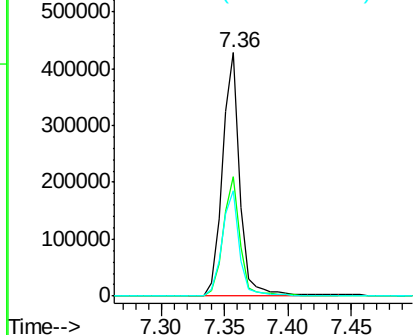
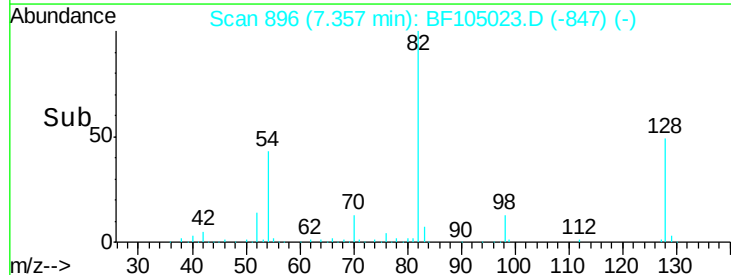


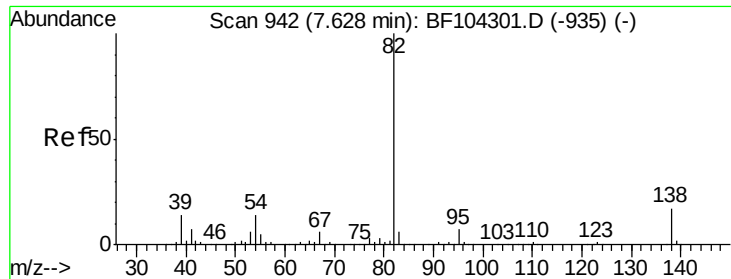
#23
Nitrobenzene-d5
Concen: 69.186 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

Tgt Ion: 82 Resp: 410487
Ion Ratio Lower Upper
82 100
128 49.1 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): E
Ion 54.00 (53.70 to 54.70): BF1

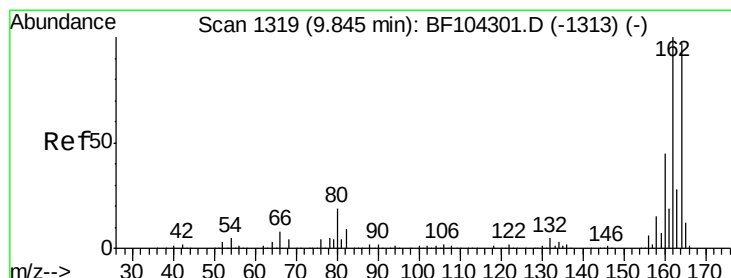
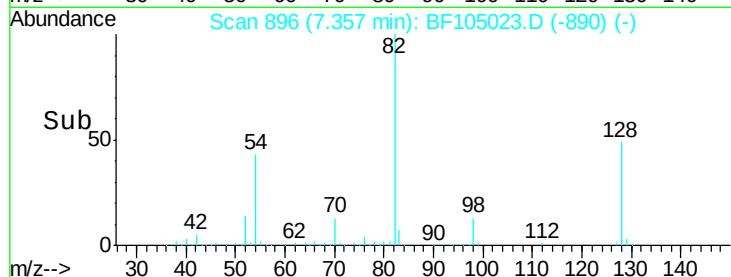
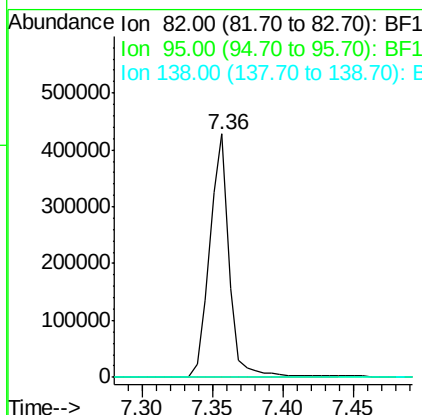
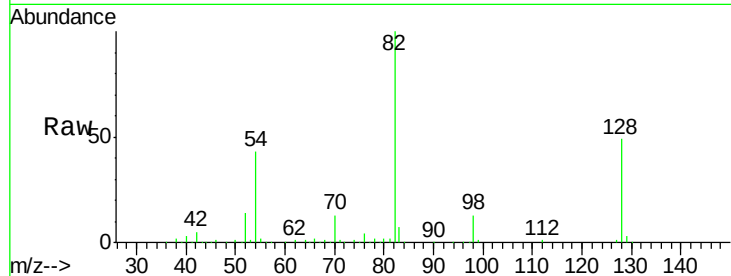




#25
Isophorone
Concen: 32.253 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

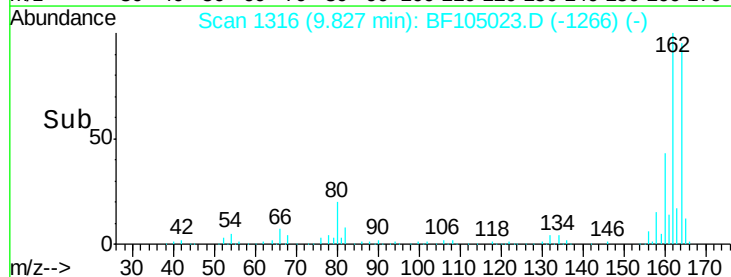
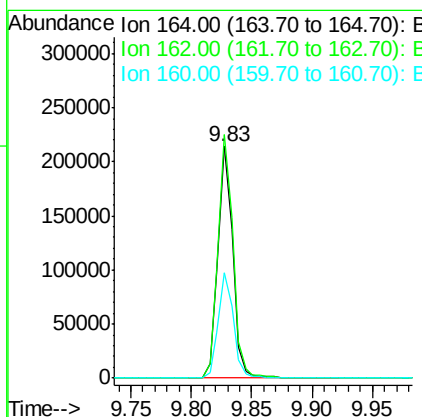
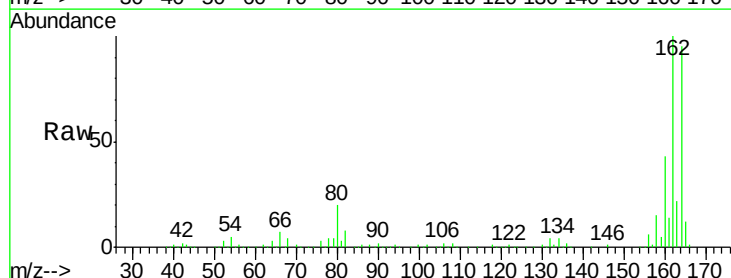
Instrument :
BNA_F
ClientSampleId :
CL-02-043018-D

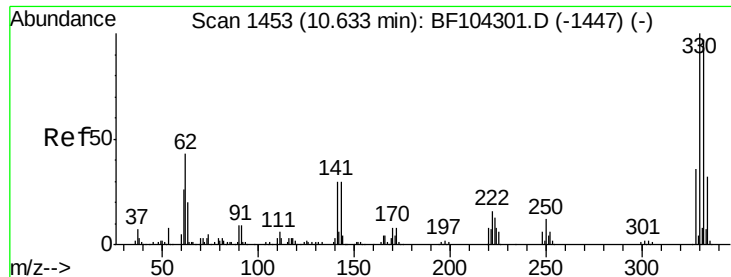
Tgt Ion: 82 Resp: 404654
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

Tgt Ion: 164 Resp: 179595
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 45.3 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 99.614 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-D

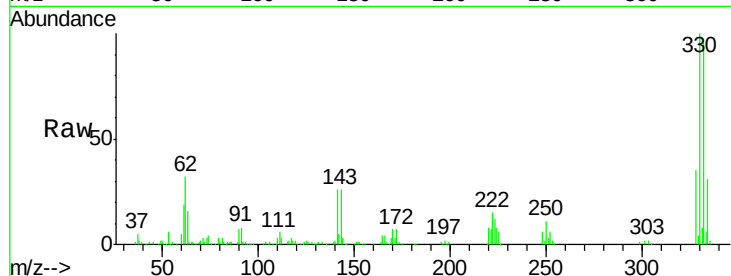
Tgt Ion:330 Resp: 185580

Ion Ratio Lower Upper

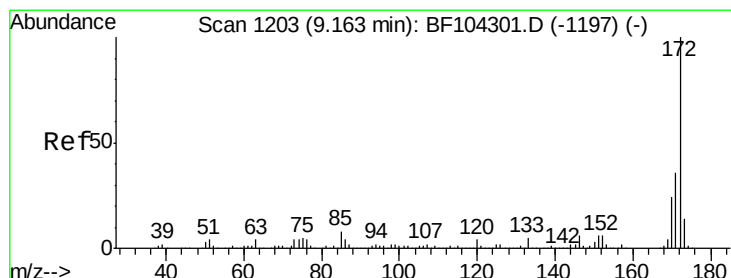
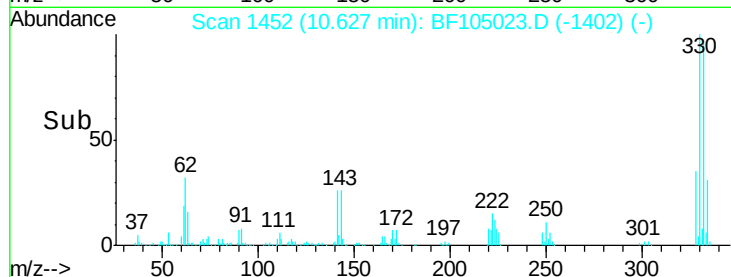
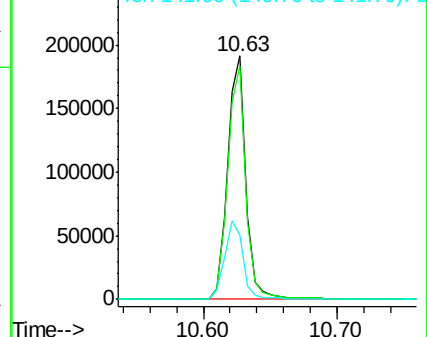
330 100

332 95.4 77.0 115.6

141 32.7 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: 64.711 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

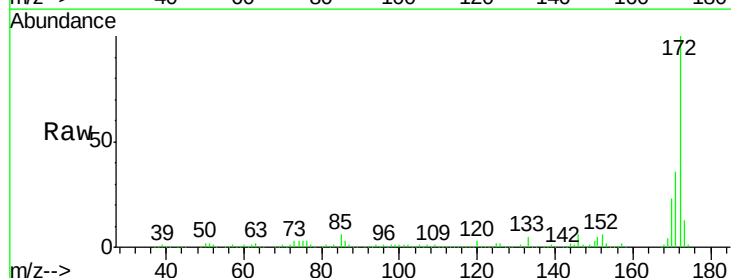
Tgt Ion:172 Resp: 735670

Ion Ratio Lower Upper

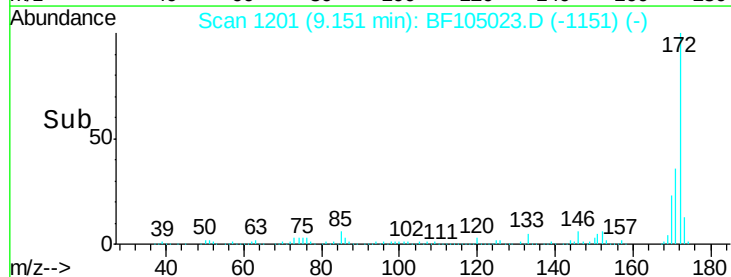
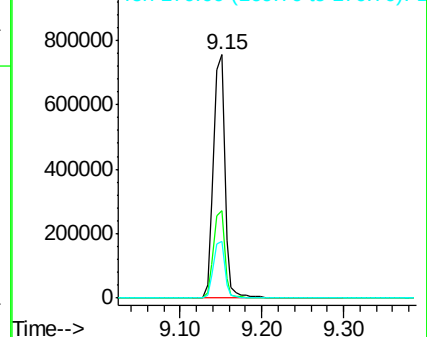
172 100

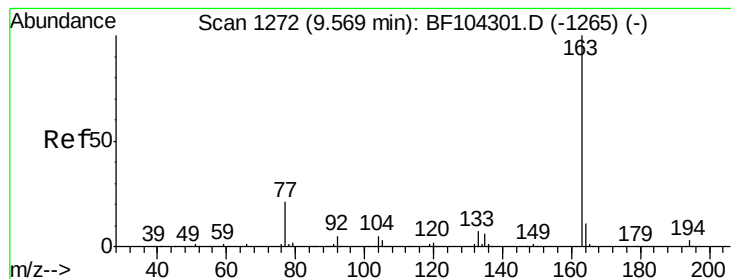
171 35.8 29.7 44.5

170 23.2 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: 5.644 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

Instrument :

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CL-02-043018-D

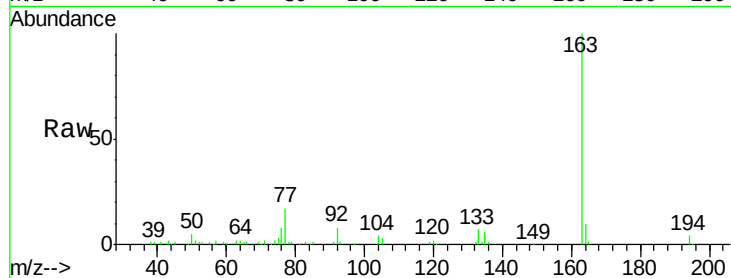
Tgt Ion:163 Resp: 79928

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

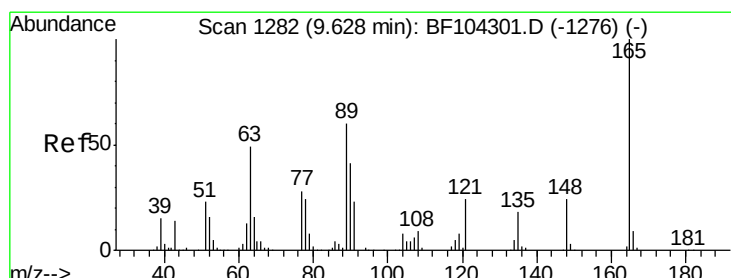
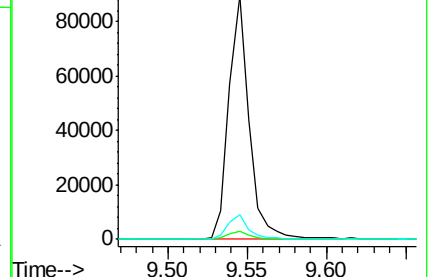
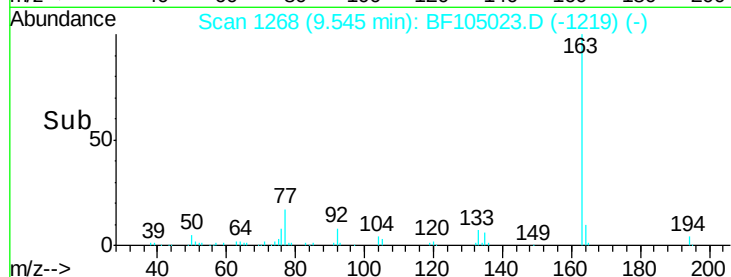
164 9.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.559 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

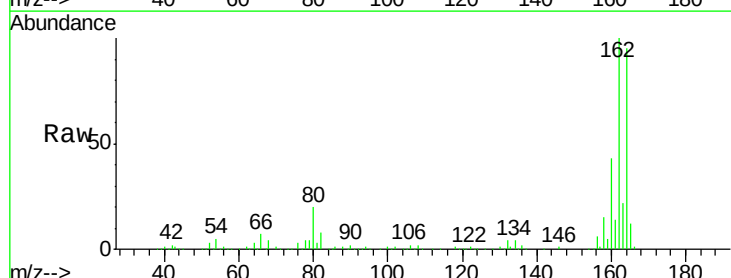
Tgt Ion:165 Resp: 22429

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

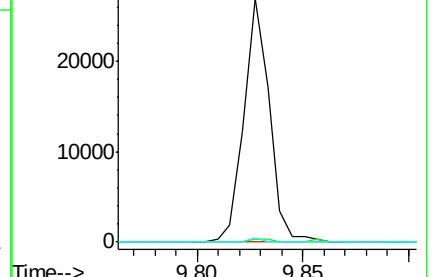
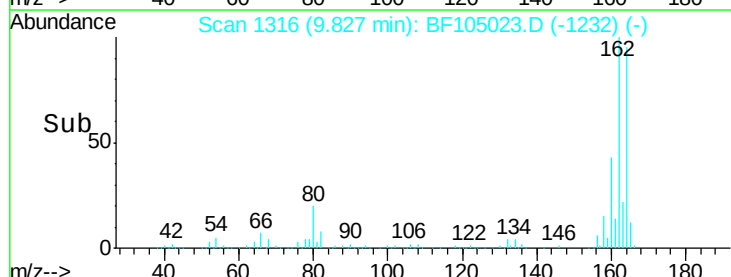
89 1.6 44.0 66.0#

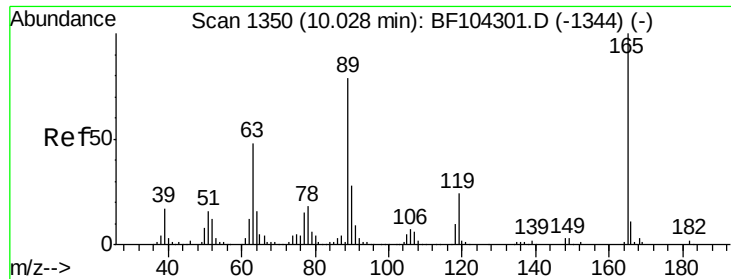


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

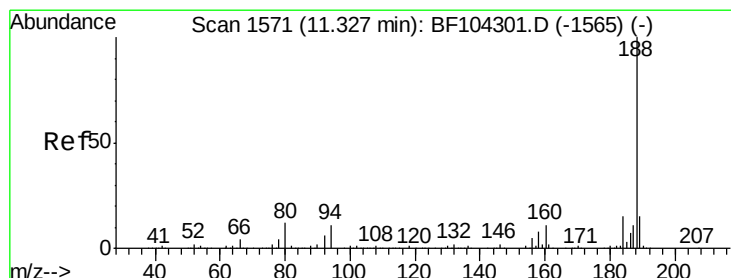
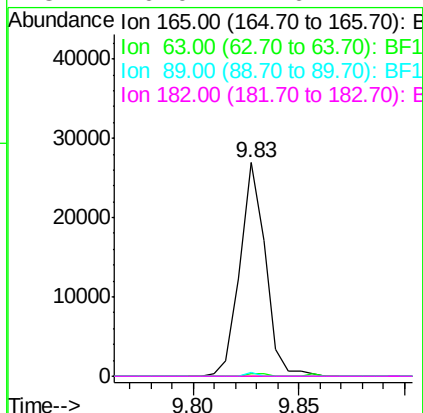
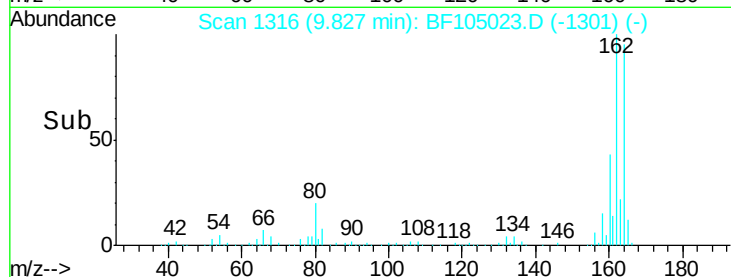
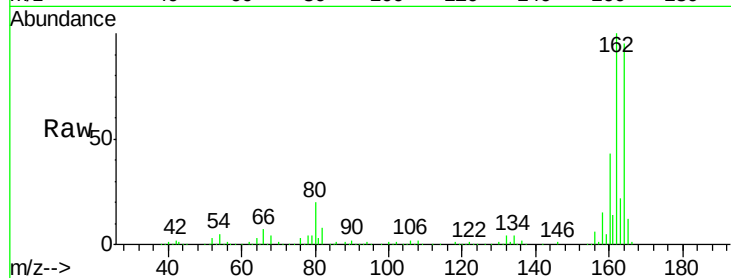




#56
 2,4-Dinitrotoluene
 Concen: 6.525 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105023.D
 Acq: 2 May 2018 11:50

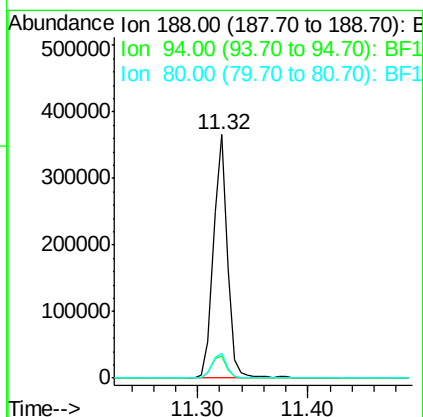
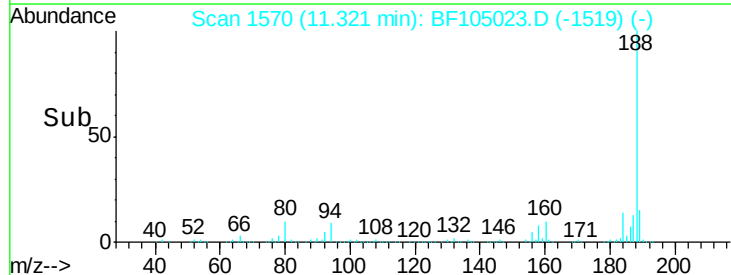
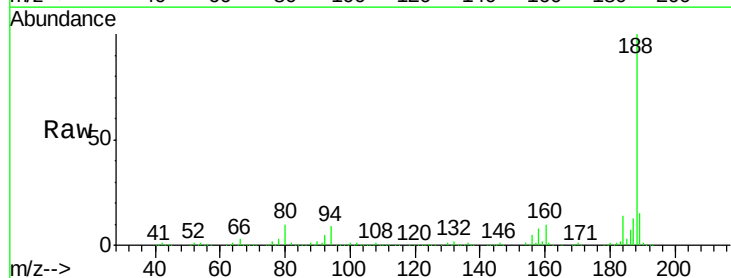
Instrument :
 BNA_F
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 CL-02-043018-D

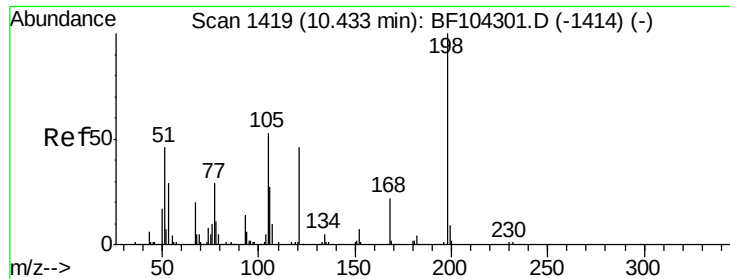
Tgt Ion:	165	Resp:	22429
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF105023.D
 Acq: 2 May 2018 11:50

Tgt Ion:	188	Resp:	315943
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.4	9.2	13.8

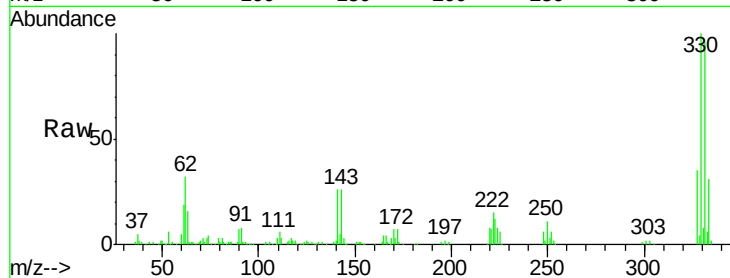




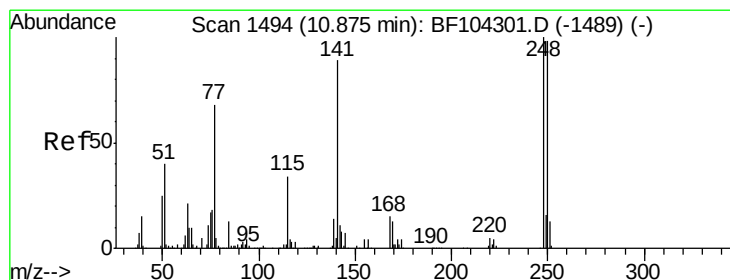
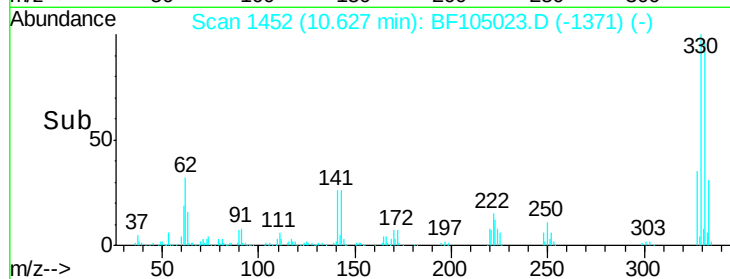
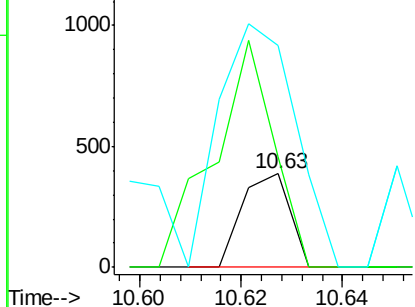
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.486 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.18 min
 Lab File: BF105023.D
 Acq: 2 May 2018 11:50

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-D

Tgt Ion:198 Resp: 253
 Ion Ratio Lower Upper
 198 100
 51 117.3 37.7 77.7#
 105 236.3 36.3 76.3#

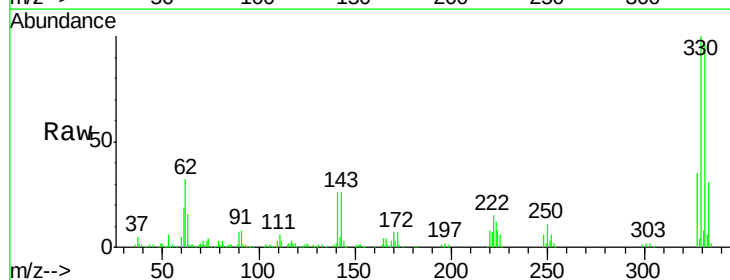


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

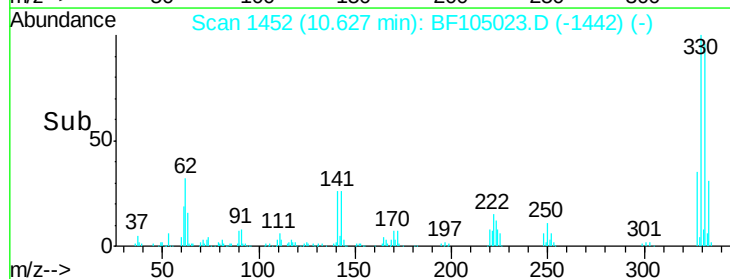
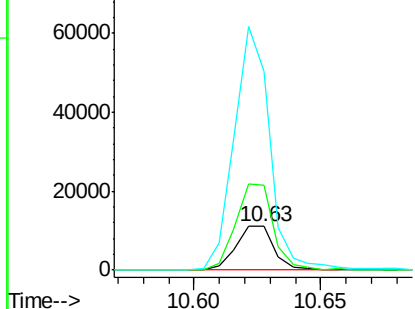


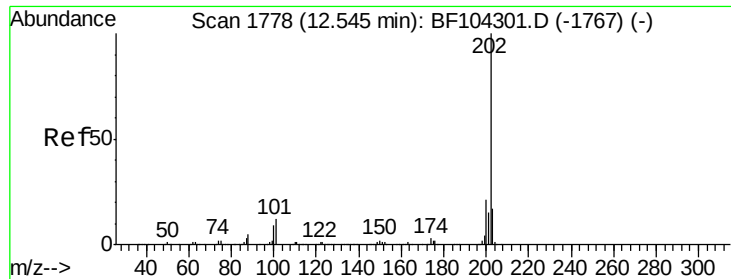
#66
 4-Bromophenyl-phenylether
 Concen: 3.413 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF105023.D
 Acq: 2 May 2018 11:50

Tgt Ion:248 Resp: 11470
 Ion Ratio Lower Upper
 248 100
 250 196.3 76.9 115.3#
 141 455.4 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: 3.795 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-D

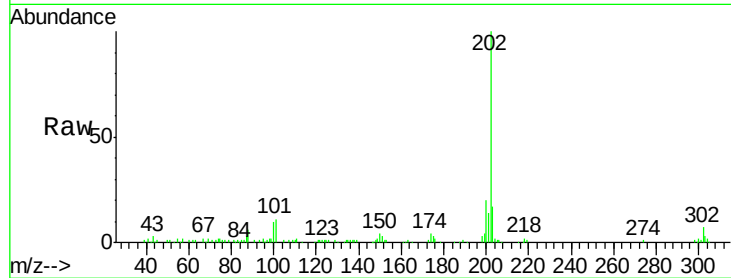
Tgt Ion:202 Resp: 69759

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.1

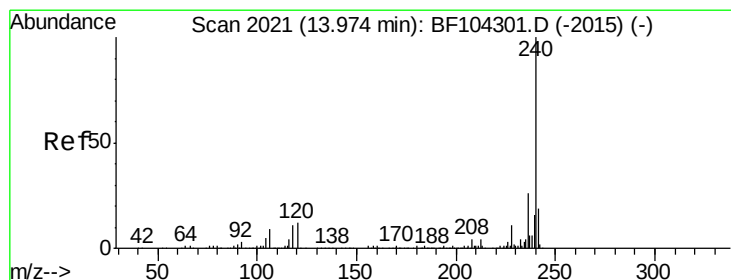
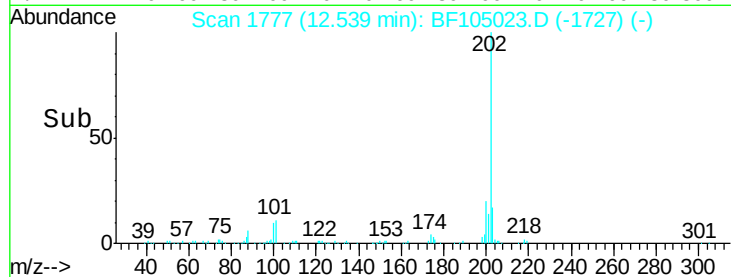
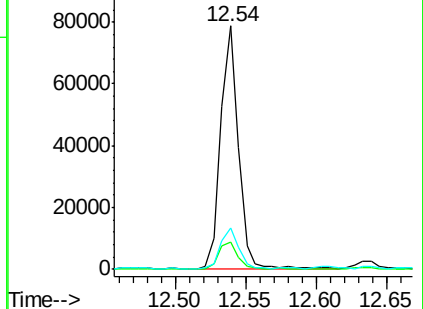
203 17.2 0.0 38.1



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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

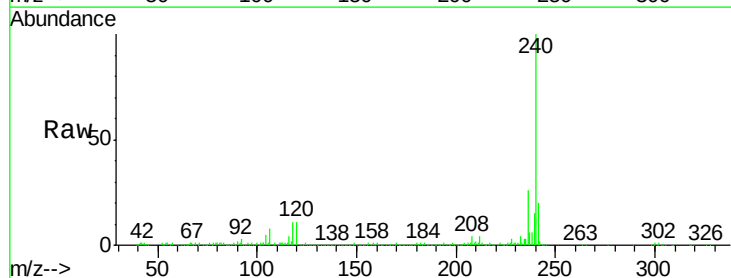
Tgt Ion:240 Resp: 217491

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

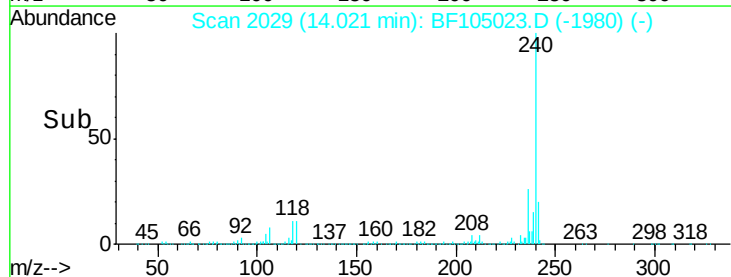
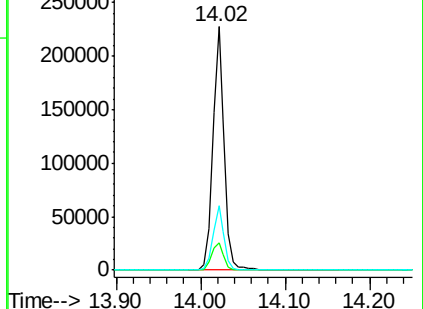
236 26.4 20.7 31.1

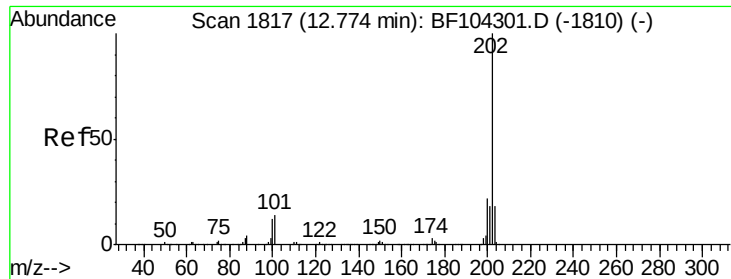


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.860 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-D

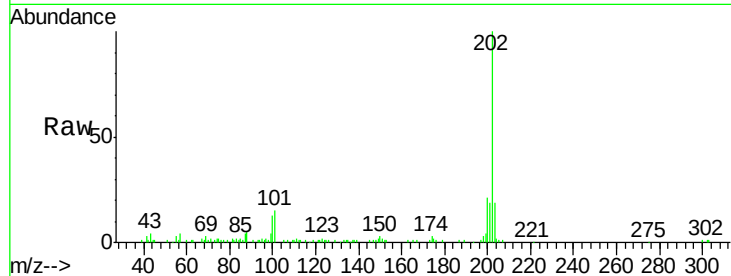
Tgt Ion:202 Resp: 62225

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

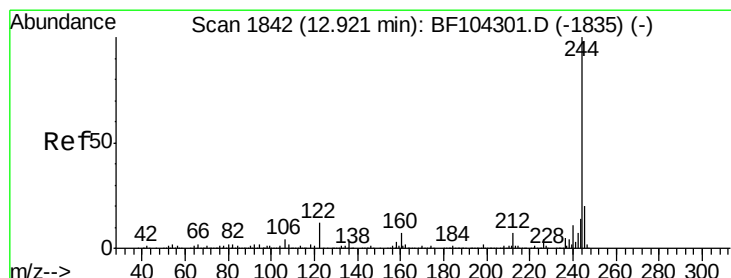
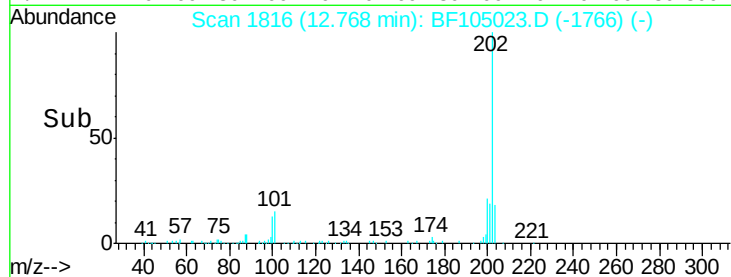
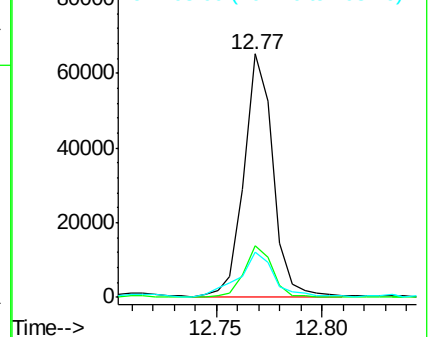
203 18.7 14.3 21.5



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: 61.884 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF105023.D

Acq: 2 May 2018 11:50

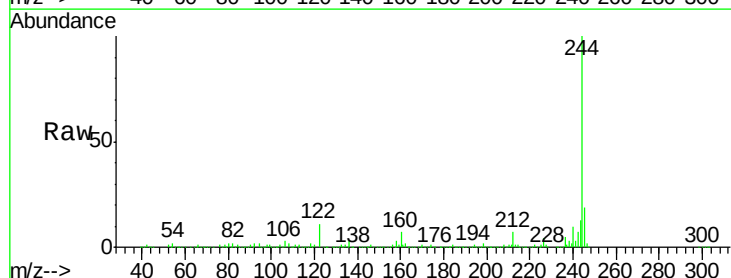
Tgt Ion:244 Resp: 590357

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

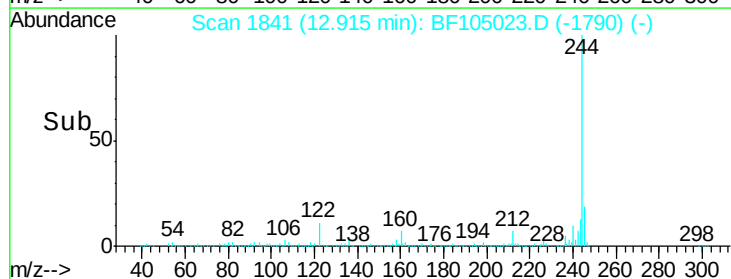
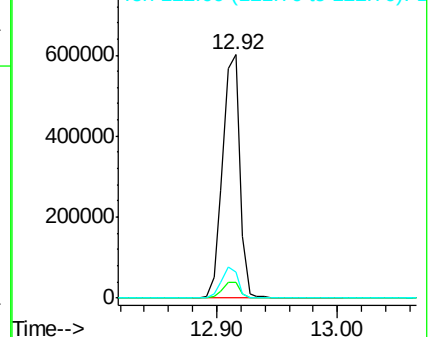
122 10.9 11.0 16.4#

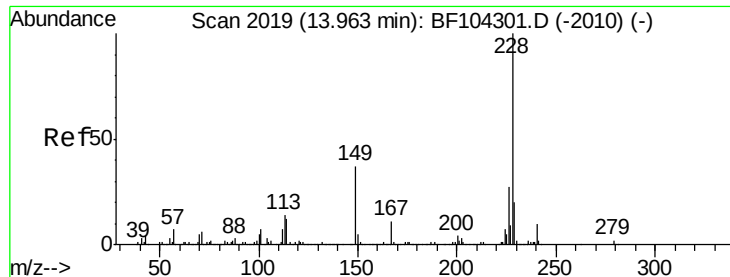


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

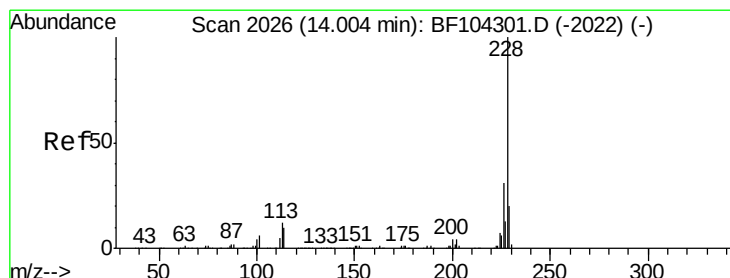
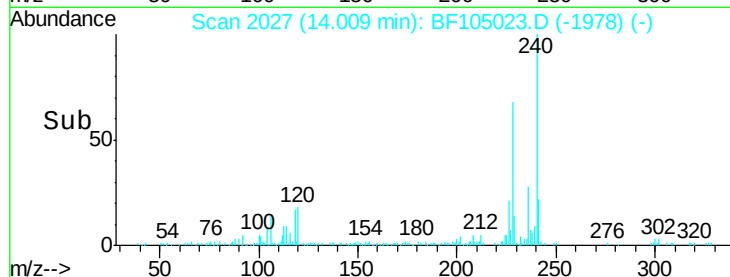
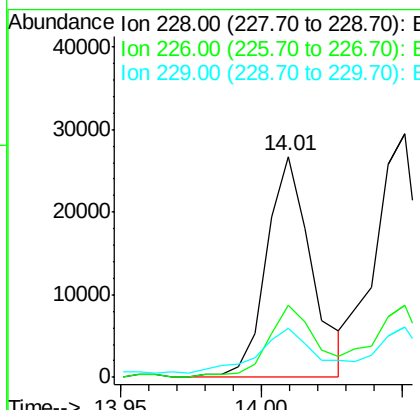
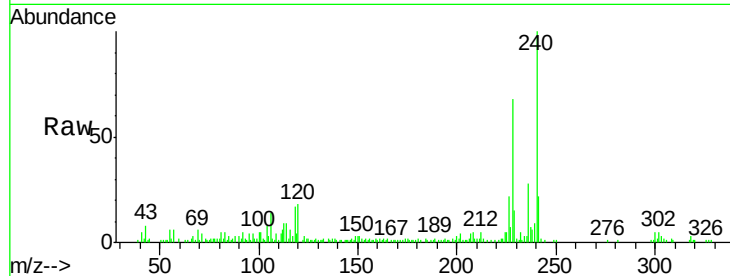




#80
Benzo(a)anthracene
Concen: 2.284 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

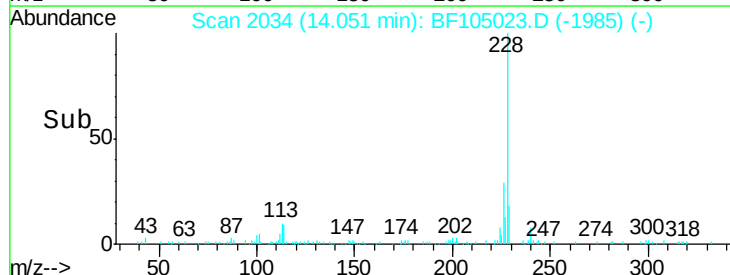
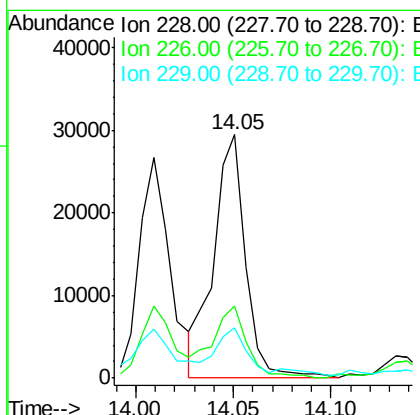
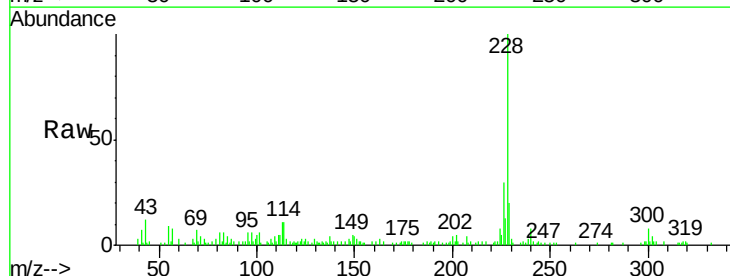
Instrument :
BNA_F
ClientSampleId :
CL-02-043018-D

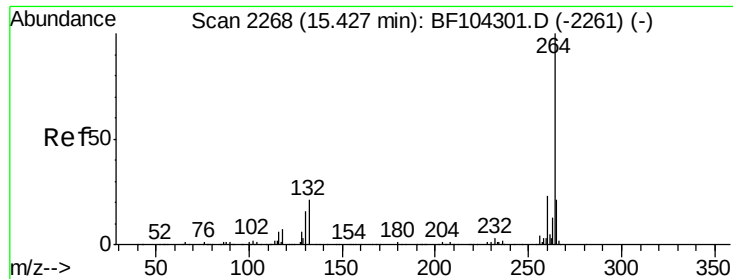
Tgt Ion:228 Resp: 29680
Ion Ratio Lower Upper
228 100
226 32.5 22.6 33.8
229 22.1 15.8 23.6



#82
Chrysene
Concen: 2.528 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

Tgt Ion:228 Resp: 33740
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 20.5 16.2 24.4

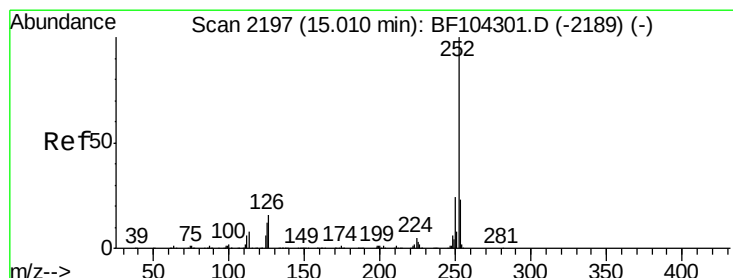
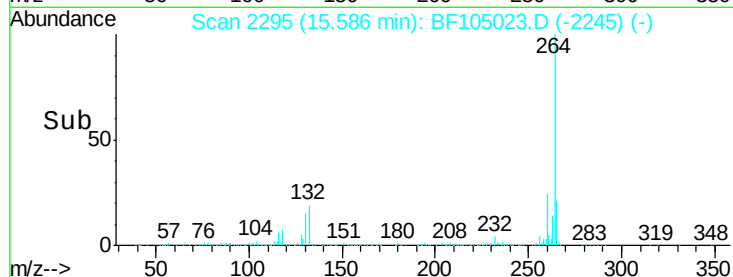
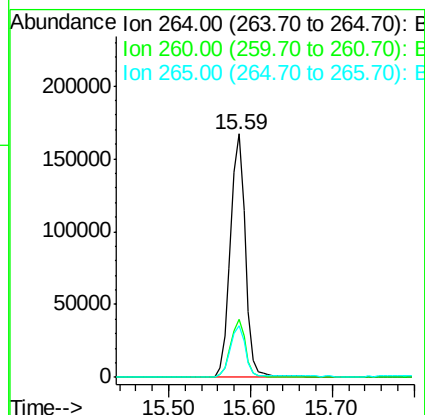
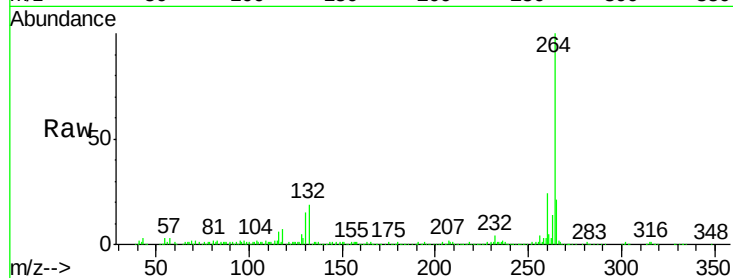




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

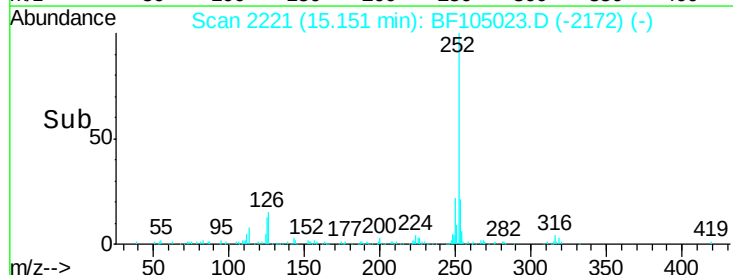
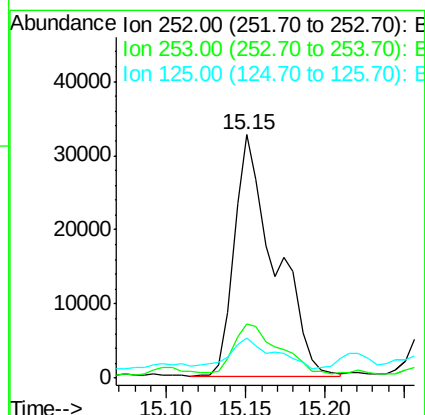
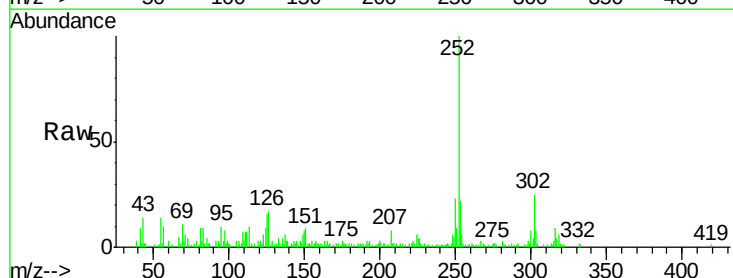
Instrument :
BNA_F
ClientSampleId :
CL-02-043018-D

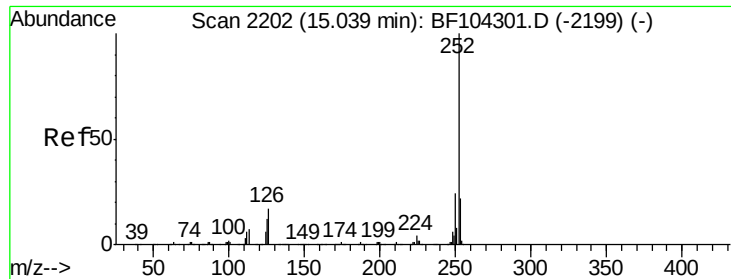
Tgt Ion:264 Resp: 215300
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.240 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

Tgt Ion:252 Resp: 57658
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 16.2 9.0 13.6#

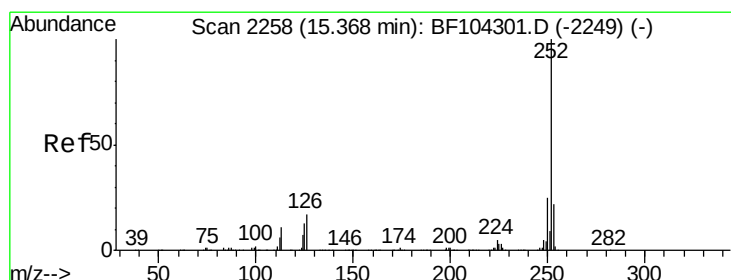
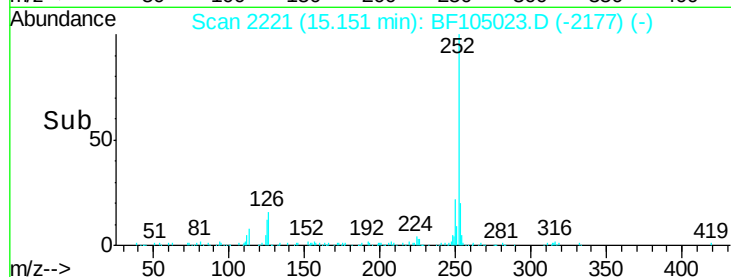
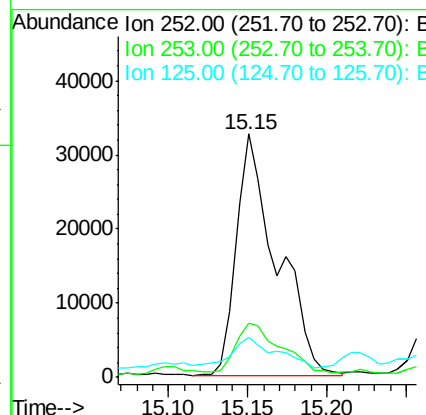
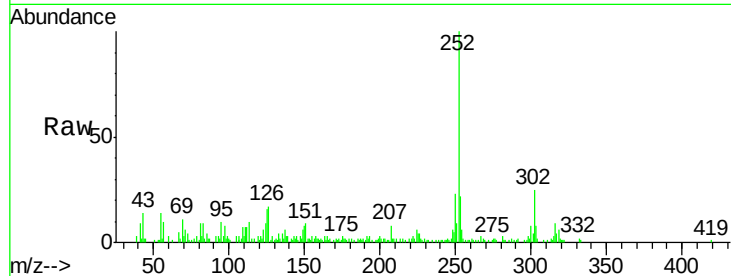




#88
Benzo(k)fluoranthene
Concen: 4.491 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-D

Tgt Ion:252 Resp: 57658
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 16.2 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.385 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF105023.D
Acq: 2 May 2018 11:50

Tgt Ion:252 Resp: 29017
Ion Ratio Lower Upper
252 100
253 26.5 17.1 25.7#
125 17.7 9.8 14.6#

