

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
 Data File : BF112402.D
 Acq On : 5 Feb 2019 18:10
 Operator : JU/SJ
 Sample : K1346-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-020419-A

Quant Time: Feb 05 22:29:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	185112	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	704497	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	301815	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	479764	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	349476	20.00	ng	-0.01
87) Perylene-d12	15.47	264	273869	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	313382	35.96	ng	-0.02
7) Phenol-d6	6.47	99	394073	32.54	ng	-0.02
23) Nitrobenzene-d5	7.39	82	224890	18.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	87782	24.99	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	463121	21.70	ng	-0.02
79) Terphenyl-d14	12.93	244	339007	18.27	ng	-0.02

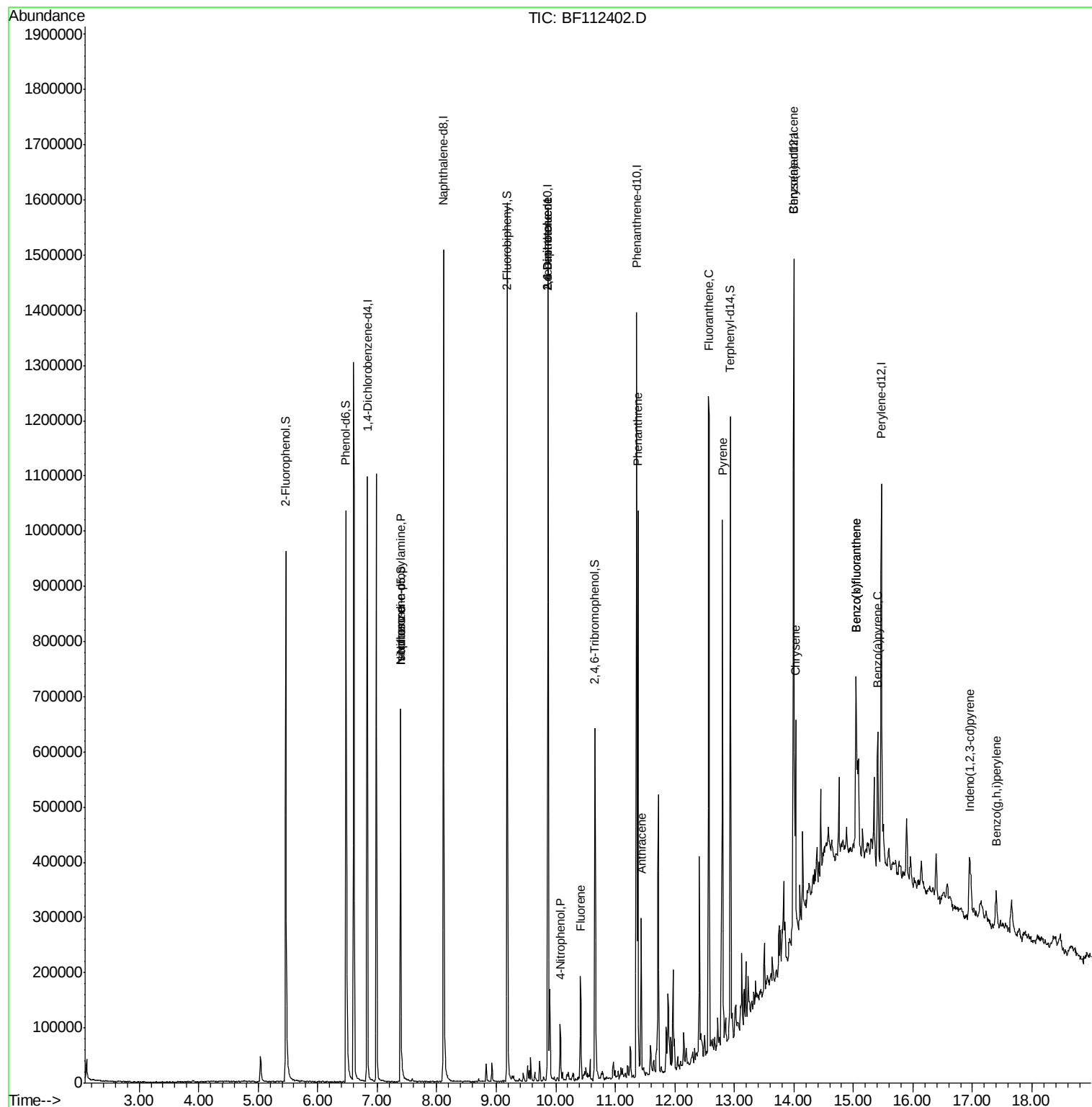
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	31279	3.746	ng	# 74
25) Isophorone	7.39	82	224887	11.724	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	38631	7.356	ng	# 33
56) 4-Nitrophenol	10.07	139	14236	4.733	ng	# 13
57) 2,4-Dinitrotoluene	9.87	165	38631	5.778	ng	# 31
58) Fluorene	10.42	166	55484	2.708	ng	100
71) Phenanthrene	11.38	178	357768	14.344	ng	97
72) Anthracene	11.43	178	121264	4.881	ng	96
75) Fluoranthene	12.57	202	510543	19.084	ng	96
78) Pyrene	12.80	202	390902	16.156	ng	98
81) Benzo(a)anthracene	13.99	228	182853	8.901	ng	99
83) Chrysene	14.03	228	158722	8.094	ng	95
86) Indeno(1,2,3-cd)pyrene	16.95	276	58310	3.753	ng	93
88) Benzo(b)fluoranthene	15.04	252	224310	13.695	ng	98
89) Benzo(k)fluoranthene	15.04	252	224310	14.298	ng	98
90) Benzo(a)pyrene	15.41	252	106822	7.248	ng	# 96
92) Benzo(g,h,i)perylene	17.40	276	52224	4.660	ng	97

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

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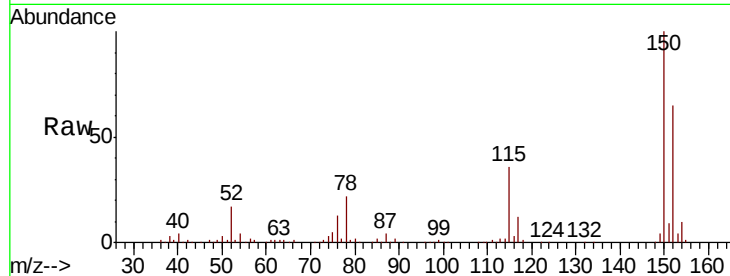


#1

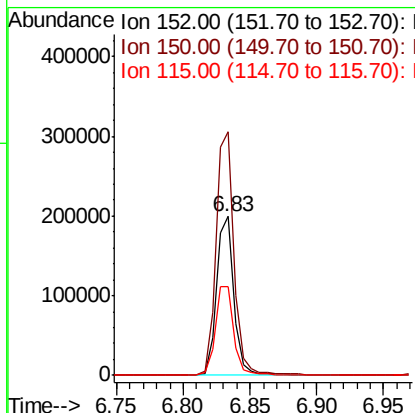
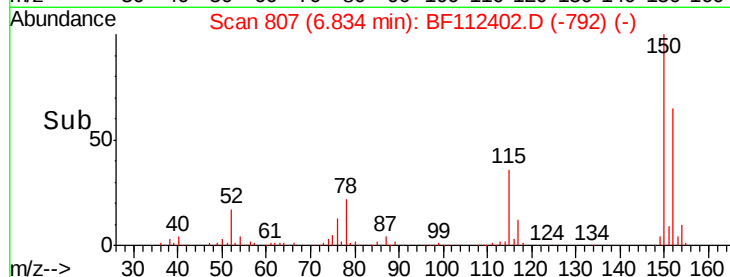
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112402.D
 Acq: 5 Feb 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-020419-A

Tgt Ion:152 Resp: 185112
 Ion Ratio Lower Upper
 152 100
 150 153.3 127.4 191.0
 115 55.8 45.5 68.3



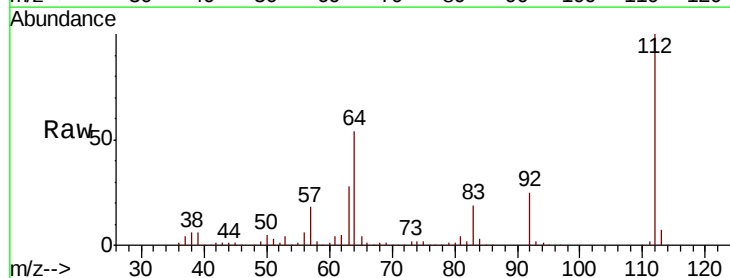
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



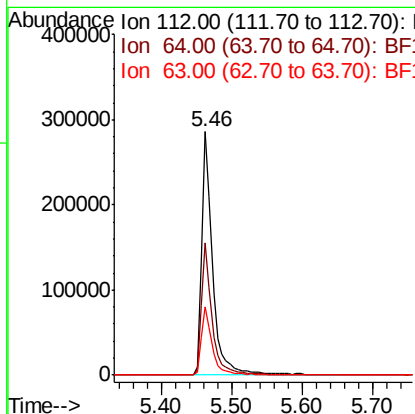
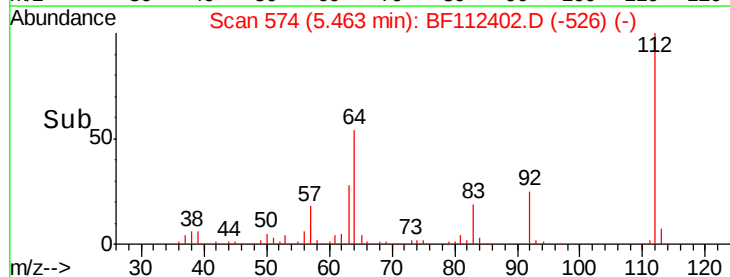
#5

2-Fluorophenol
 Concen: 35.959 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF112402.D
 Acq: 5 Feb 2019 18:10

Tgt Ion:112 Resp: 313382
 Ion Ratio Lower Upper
 112 100
 64 54.1 45.7 68.5
 63 28.2 23.6 35.4



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: 32.541 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

CL-02-020419-A

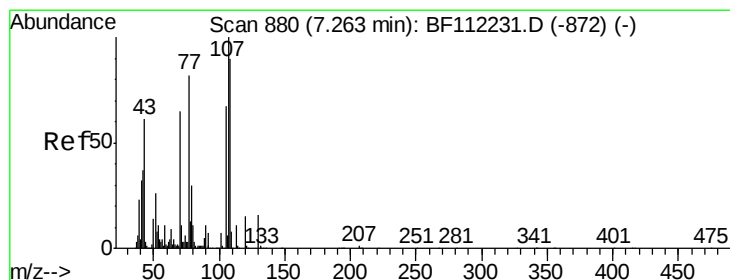
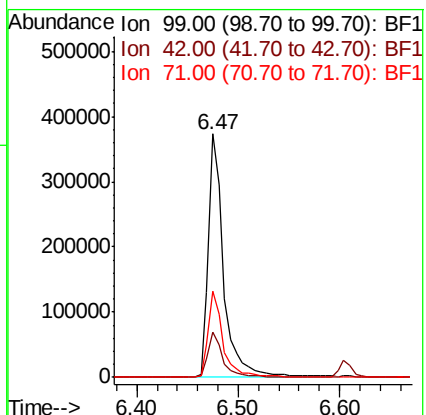
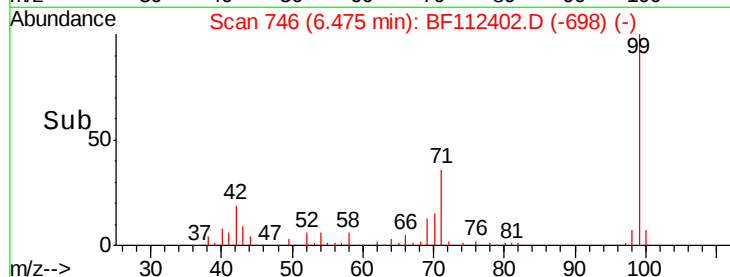
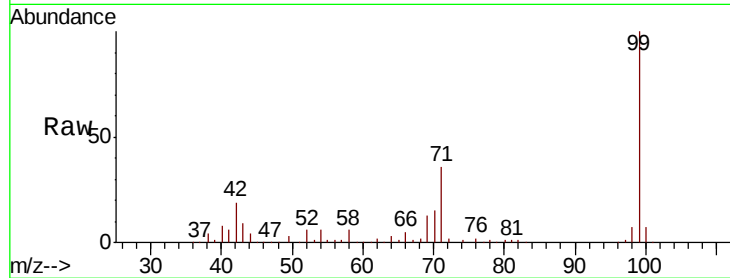
Tgt Ion: 99 Resp: 394073

Ion Ratio Lower Upper

99 100

42 18.8 15.1 22.7

71 35.5 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.746 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

Tgt Ion: 70 Resp: 31279

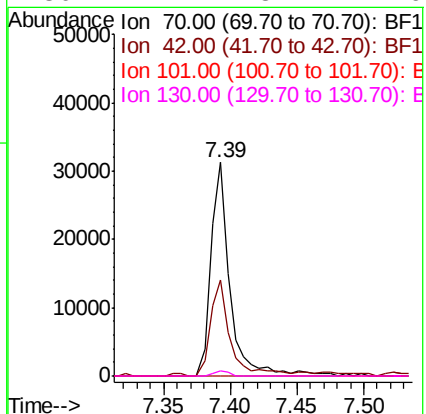
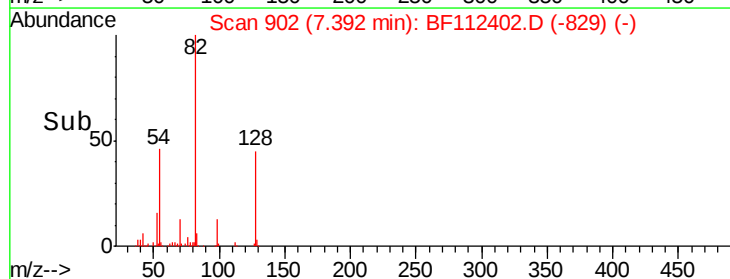
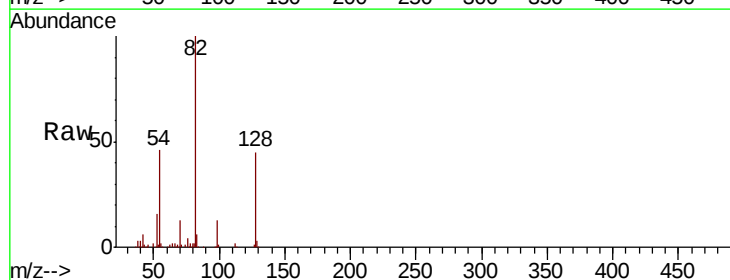
Ion Ratio Lower Upper

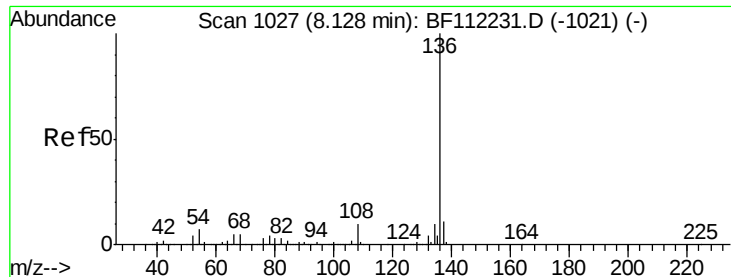
70 100

42 45.1 47.6 71.4#

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

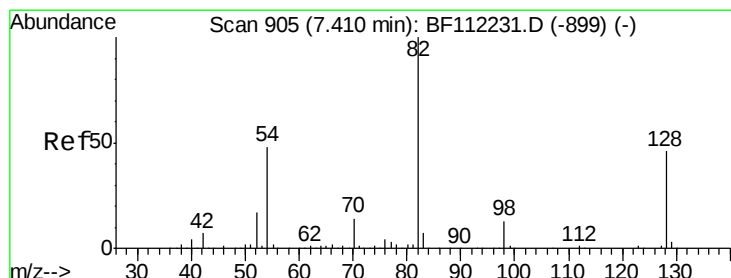
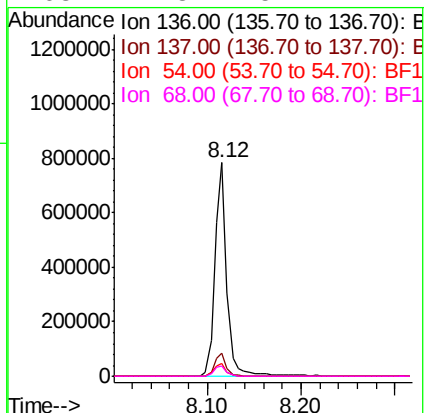
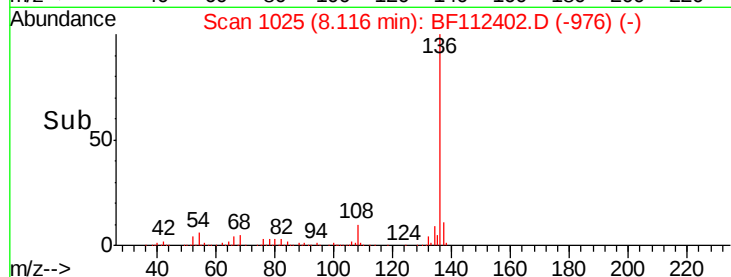
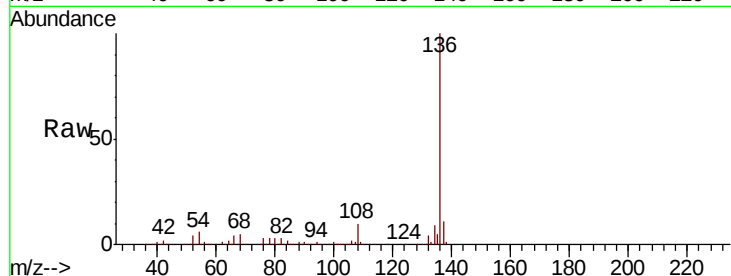




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

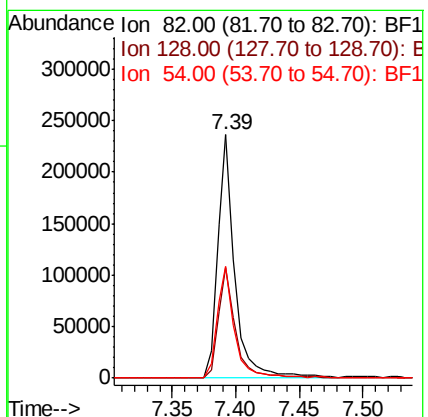
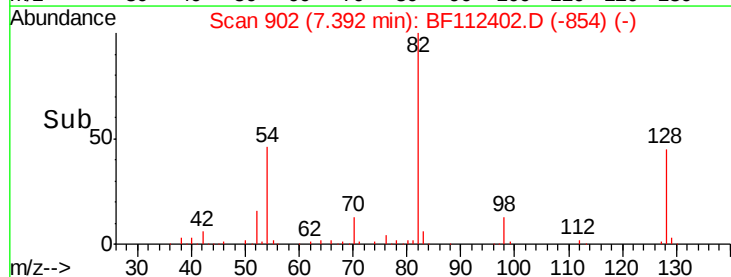
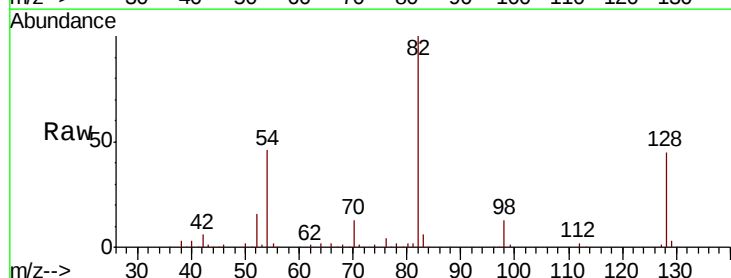
Instrument :
BNA_F
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CL-02-020419-A

Tgt Ion:	136	Resp:	704497
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.8	5.9	8.9#
68	4.8	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 18.393 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:	82	Resp:	224890
Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.8	56.8
54	45.8	39.7	59.5





#25

Isophorone

Concen: 11.724 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

CL-02-020419-A

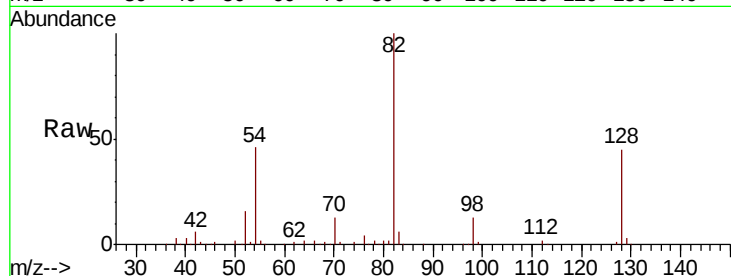
Tgt Ion: 82 Resp: 224887

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

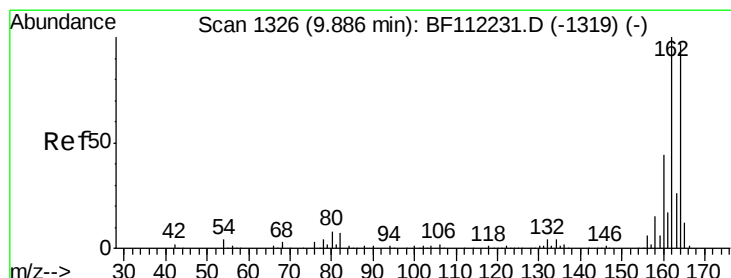
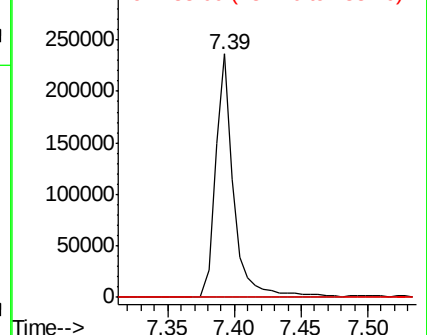
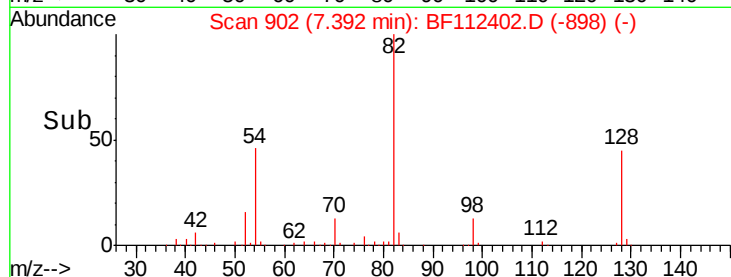
138 0.0 15.4 23.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

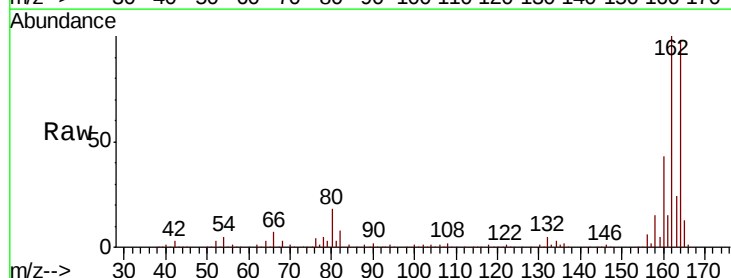
Tgt Ion: 164 Resp: 301815

Ion Ratio Lower Upper

164 100

162 102.3 82.2 123.4

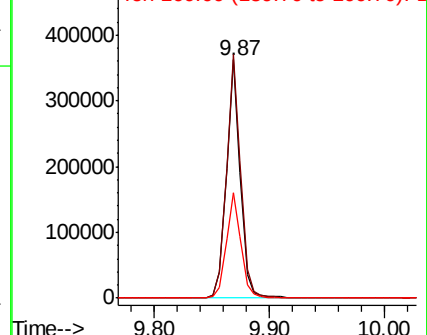
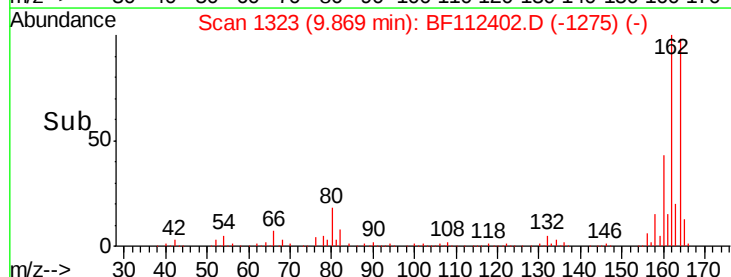
160 44.3 36.2 54.4



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: 24.987 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

Instrument :

BNA_F

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CL-02-020419-A

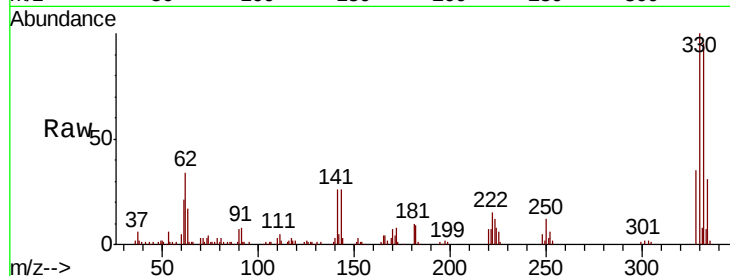
Tgt Ion:330 Resp: 87782

Ion Ratio Lower Upper

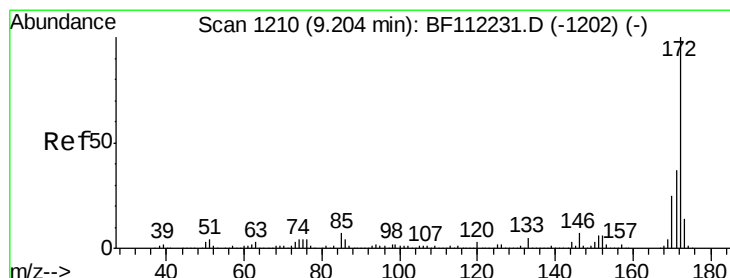
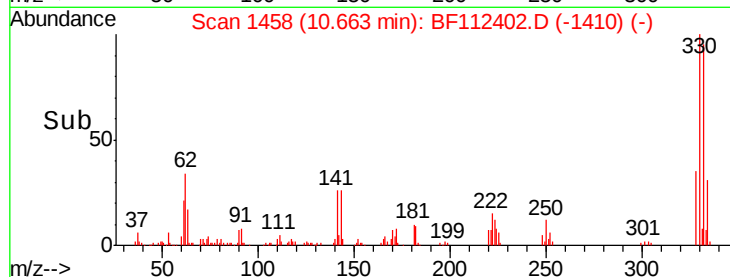
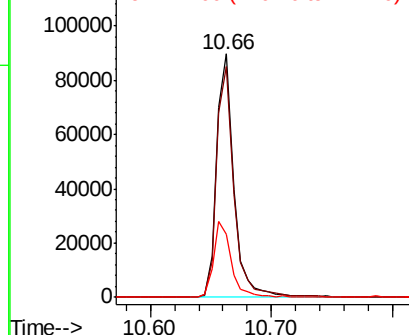
330 100

332 95.6 76.6 114.8

141 31.7 24.3 36.5



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: 21.702 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

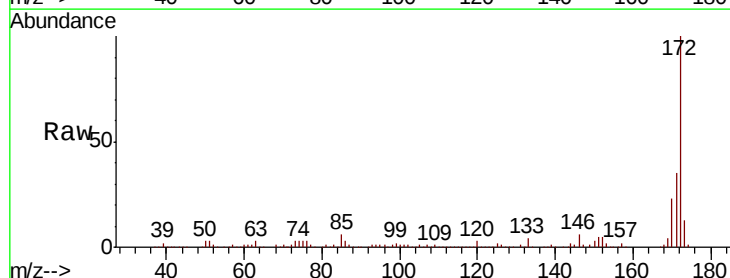
Tgt Ion:172 Resp: 463121

Ion Ratio Lower Upper

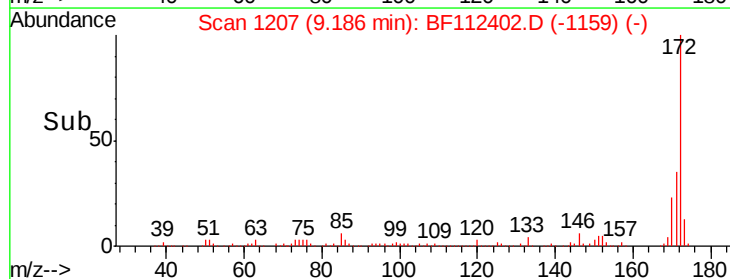
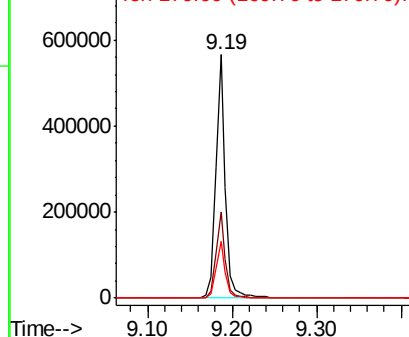
172 100

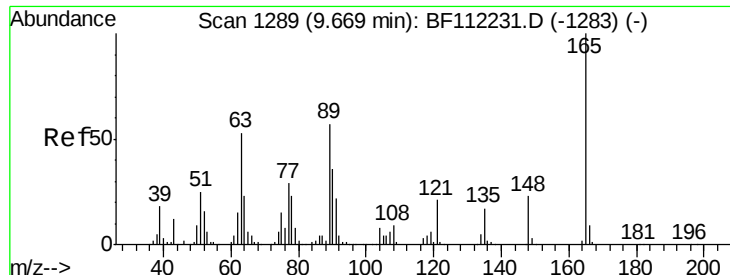
171 35.3 30.5 45.7

170 23.3 20.2 30.4



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

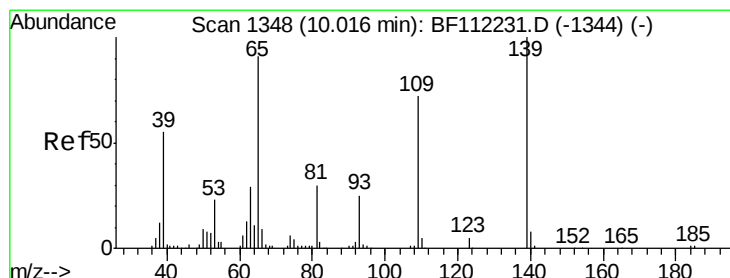
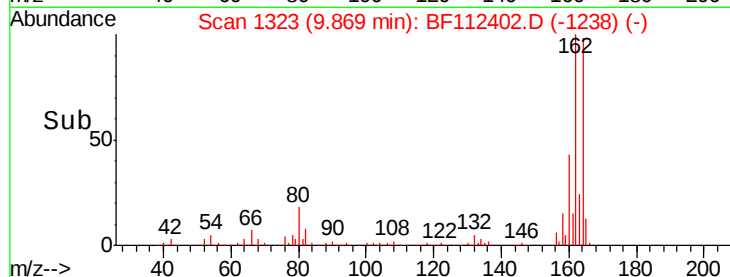
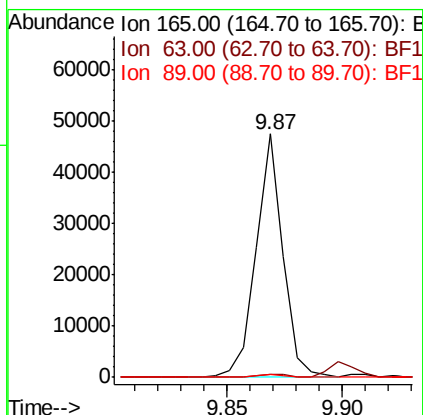
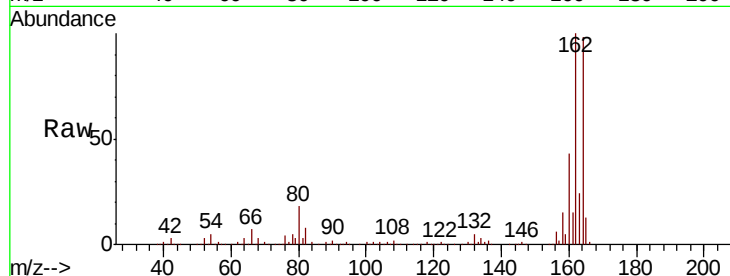




#51
 2,6-Dinitrotoluene
 Concen: 7.356 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112402.D
 Acq: 5 Feb 2019 18:10

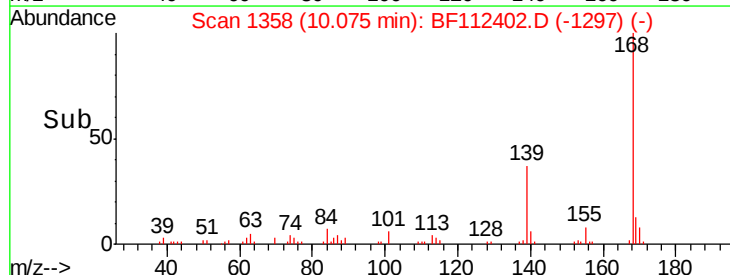
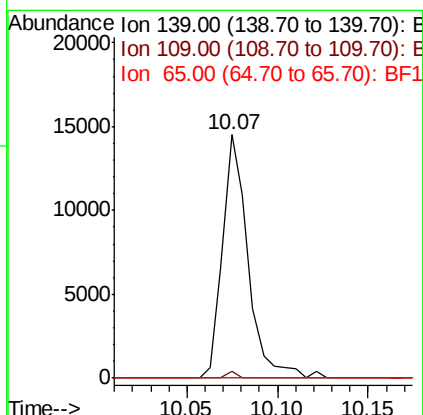
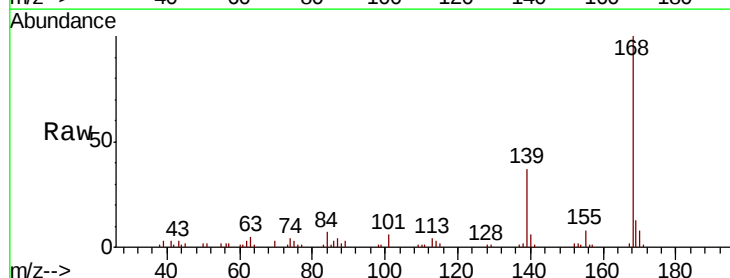
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.8	50.8#
89	1.1	36.9	55.3#



#56
 4-Nitrophenol
 Concen: 4.733 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. 0.06 min
 Lab File: BF112402.D
 Acq: 5 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
139	100		
109	2.7	42.8	82.8#
65	0.0	66.1	106.1#

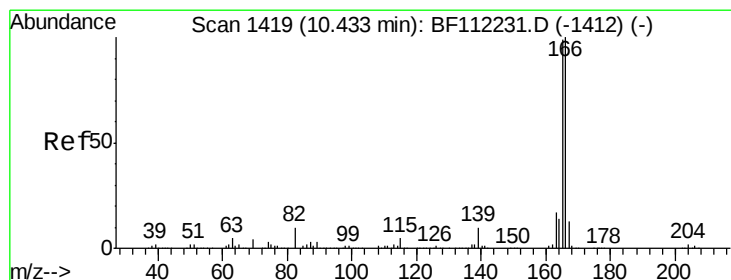
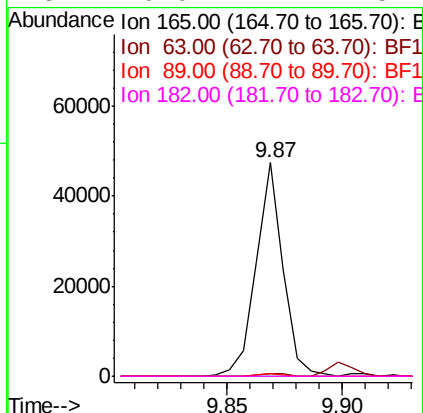
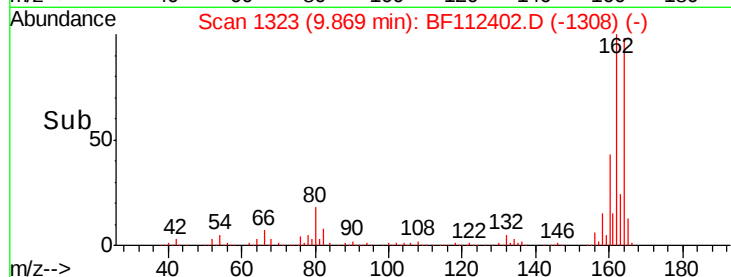
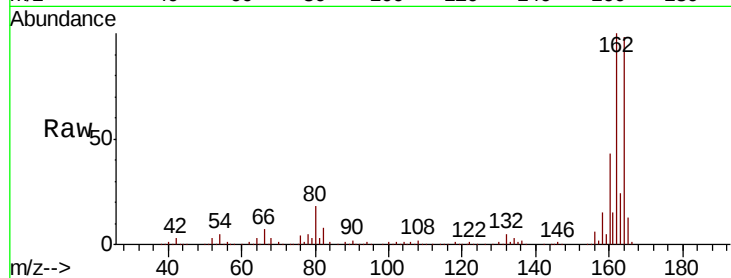




#57
2,4-Dinitrotoluene
Concen: 5.778 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

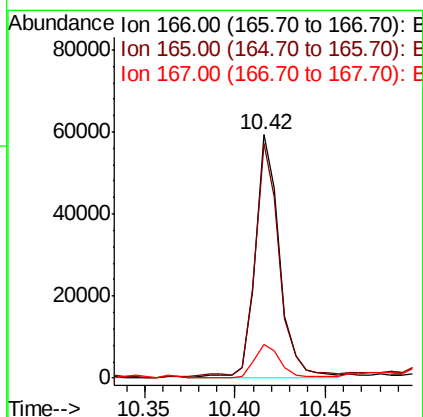
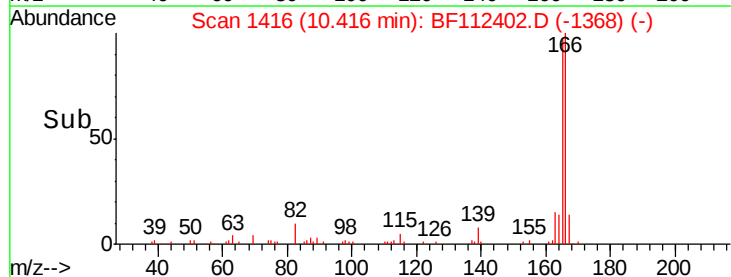
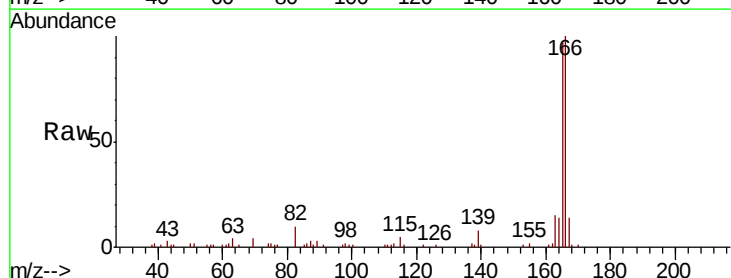
Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

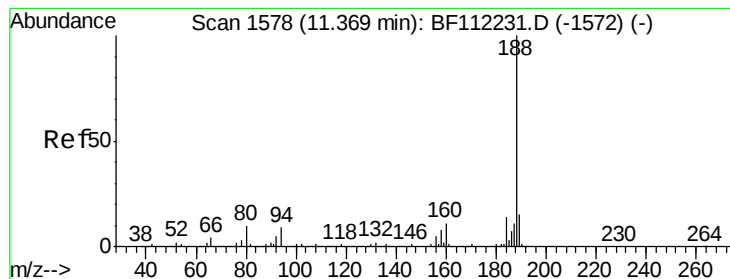
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.9	41.9#
89	1.1	47.9	71.9#
182	0.0	2.2	3.4#



#58
Fluorene
Concen: 2.708 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.1	115.7
167	13.9	11.3	16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

CL-02-020419-A

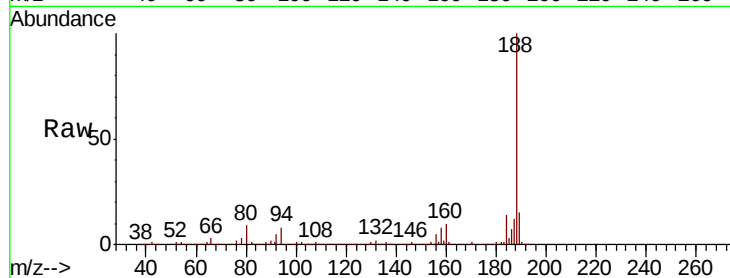
Tgt Ion:188 Resp: 479764

Ion Ratio Lower Upper

188 100

94 8.2 8.2 12.2

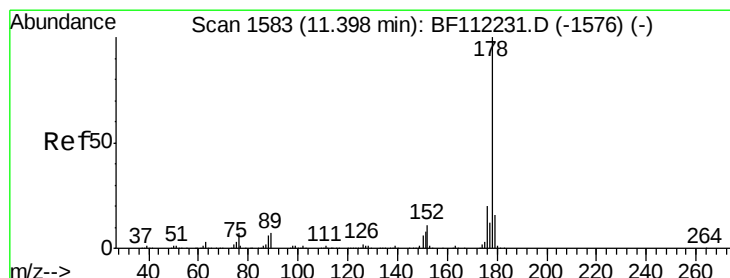
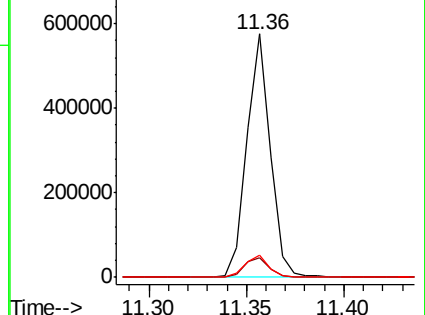
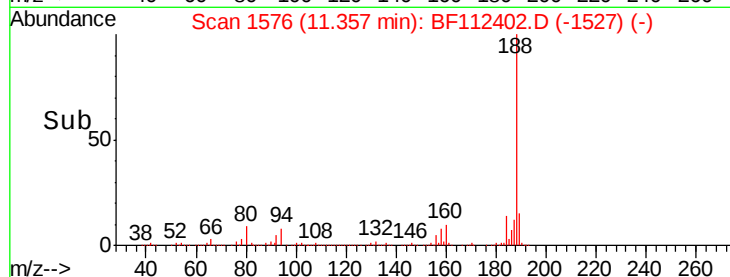
80 9.0 8.9 13.3



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: 14.344 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

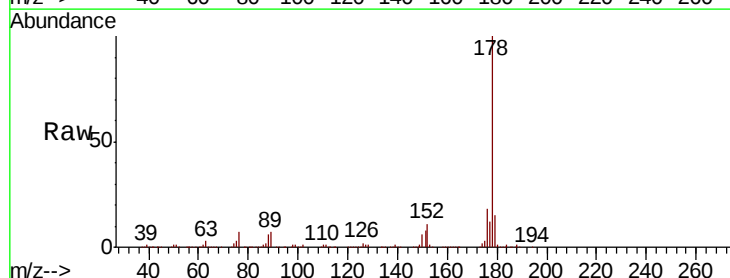
Tgt Ion:178 Resp: 357768

Ion Ratio Lower Upper

178 100

176 18.5 16.3 24.5

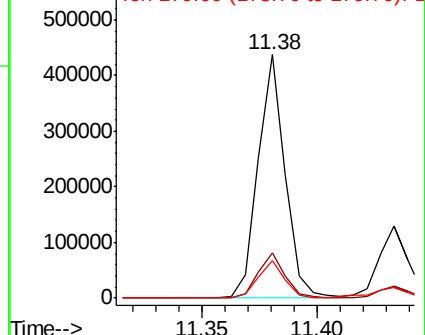
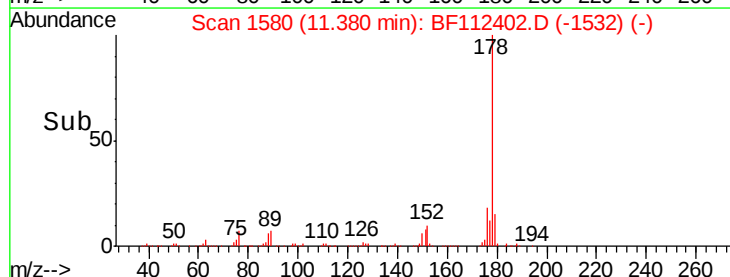
179 15.4 13.0 19.4

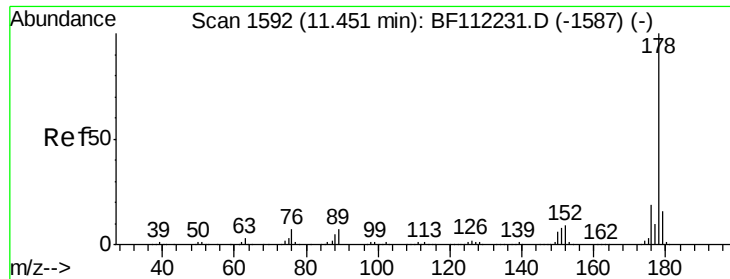


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

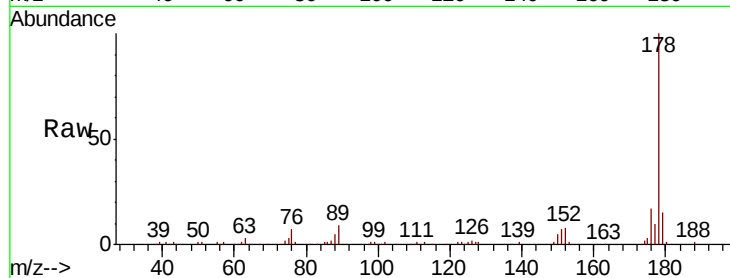




#72
 Anthracene
 Concen: 4.881 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.02 min
 Lab File: BF112402.D
 Acq: 5 Feb 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-020419-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.5	23.3
179	14.7	12.8	19.2

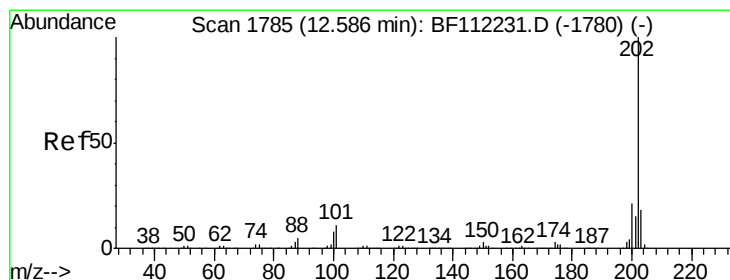
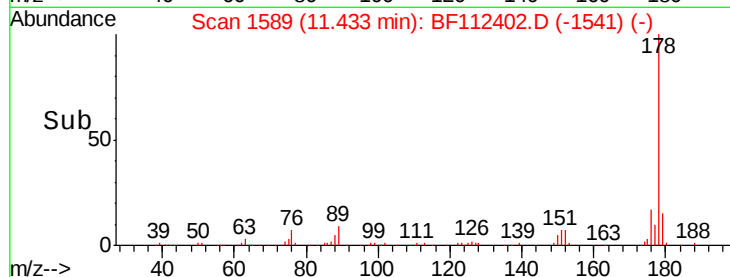
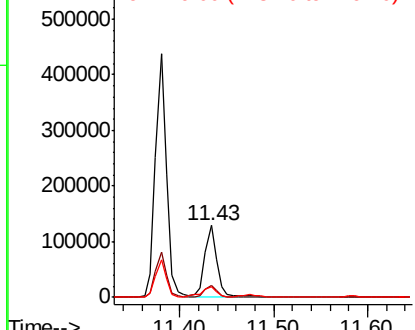


Abundance

Ion 178.00 (177.70 to 178.70): E

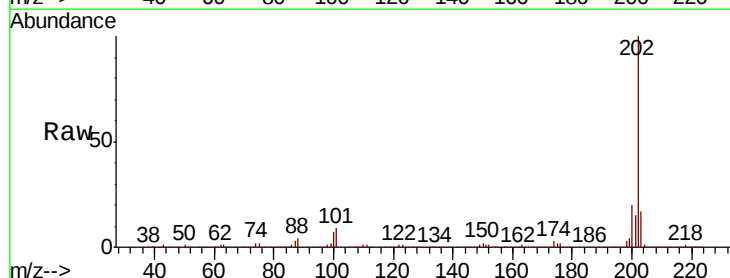
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 19.084 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF112402.D
 Acq: 5 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	31.8
203	17.4	0.0	38.4

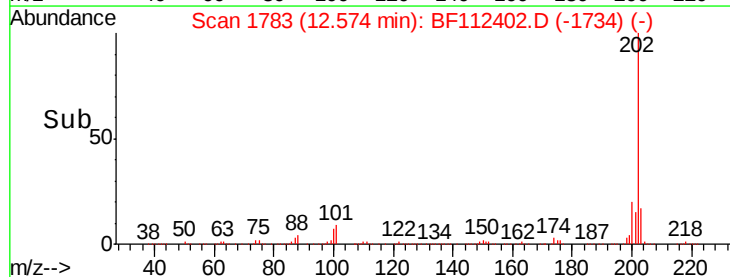
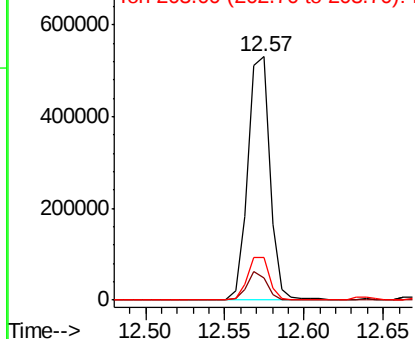


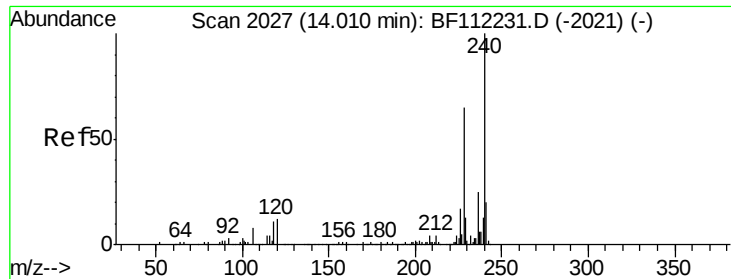
Abundance

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

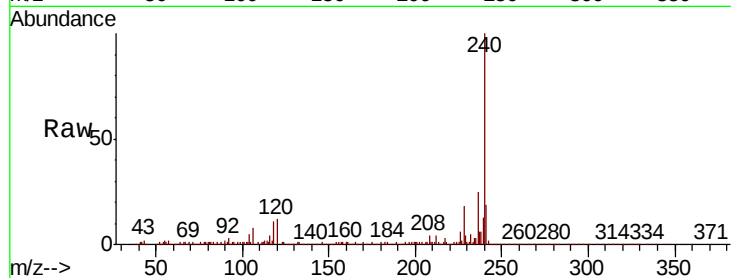




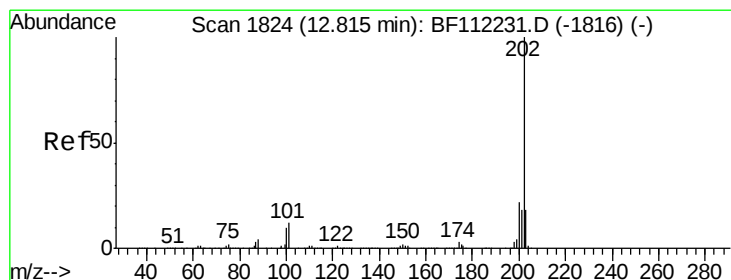
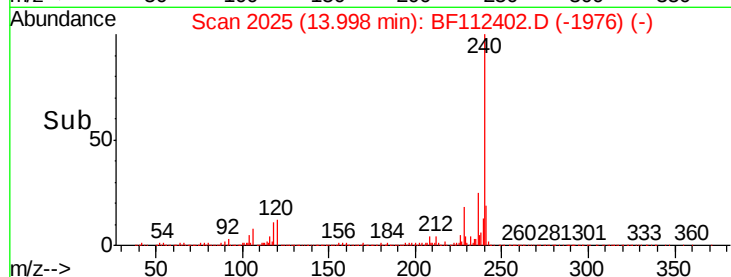
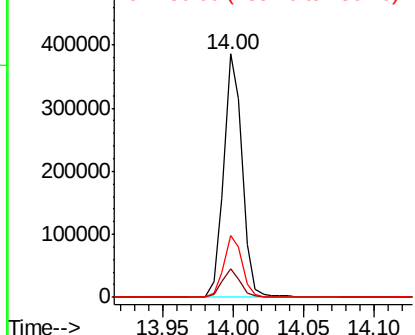
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

Tgt Ion:240 Resp: 349476
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.6
236 25.4 20.7 31.1

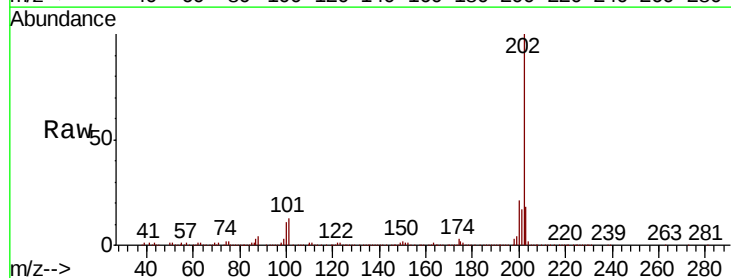


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

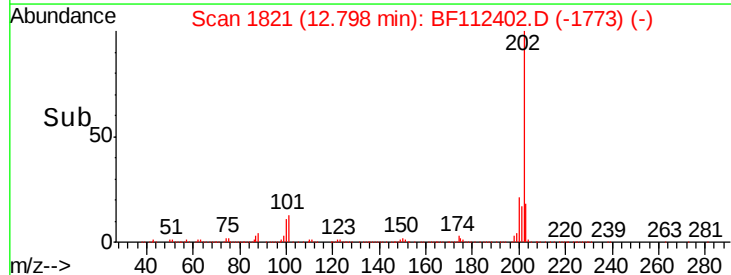
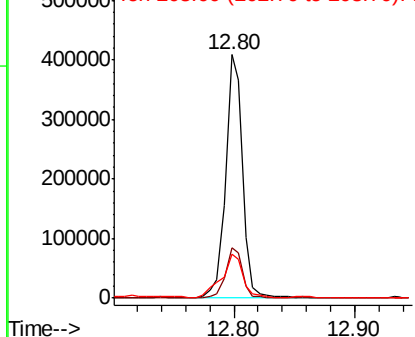


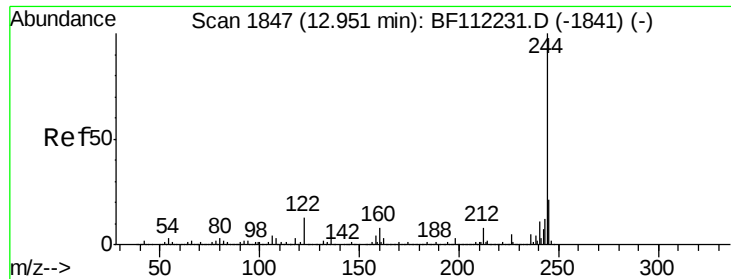
#78
Pyrene
Concen: 16.156 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion:202 Resp: 390902
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.8 14.6 22.0



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

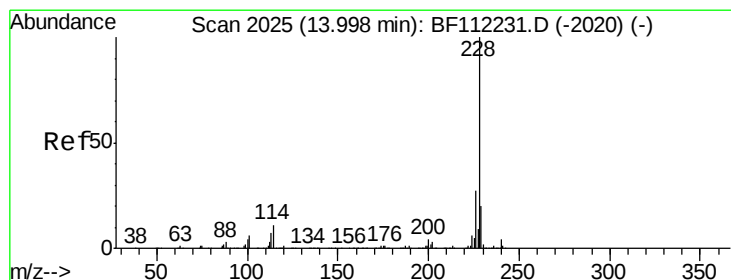
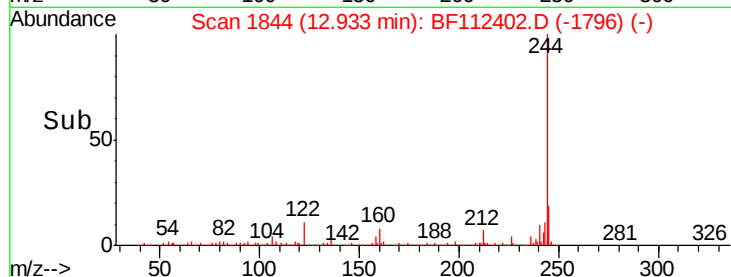
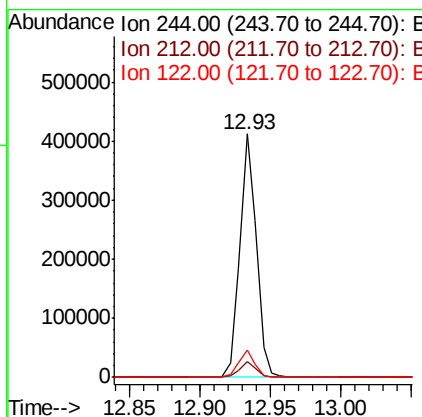
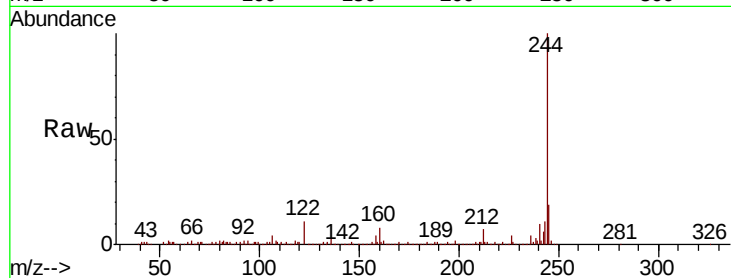




#79
 Terphenyl-d14
 Concen: 18.270 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF112402.D
 Acq: 5 Feb 2019 18:10

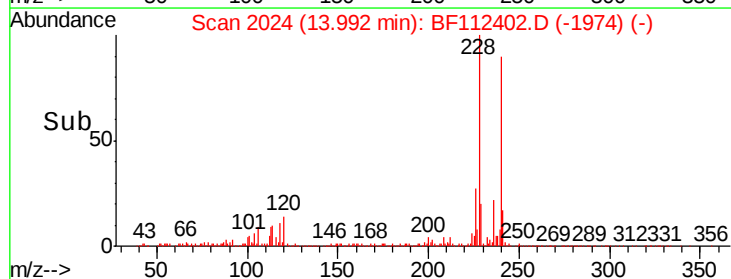
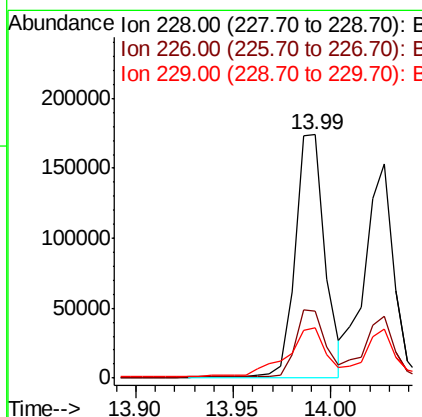
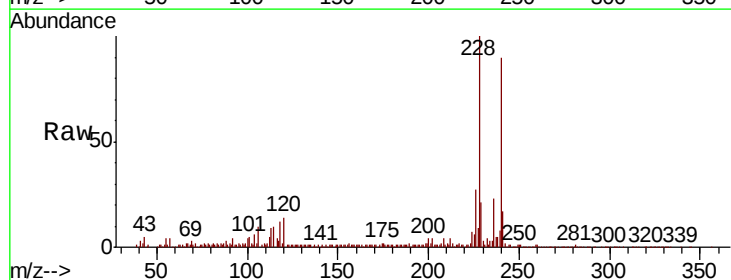
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-020419-A

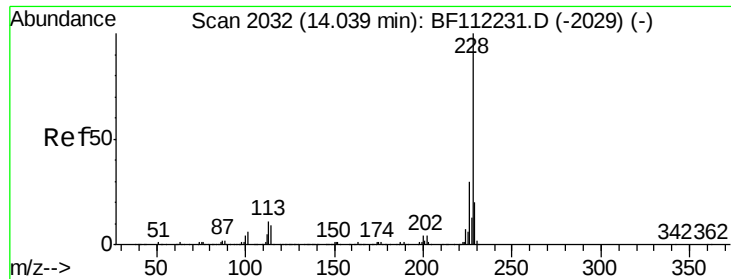
Tgt Ion:244 Resp: 339007
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 11.0 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 8.901 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112402.D
 Acq: 5 Feb 2019 18:10

Tgt Ion:228 Resp: 182853
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.6 34.0
 229 20.8 16.5 24.7





#83

Chrysene

Concen: 8.094 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

CL-02-020419-A

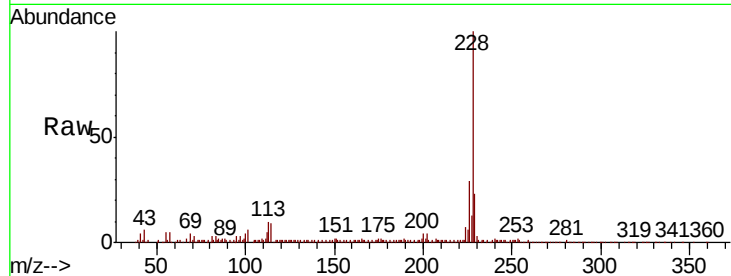
Tgt Ion: 228 Resp: 158722

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

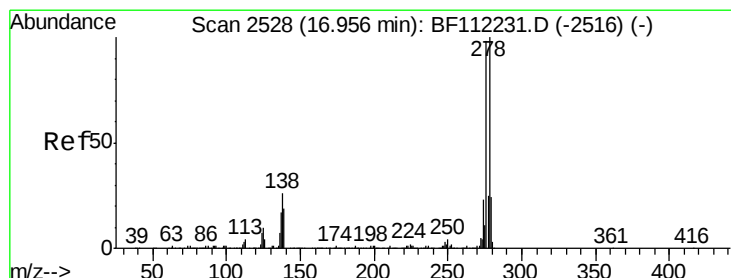
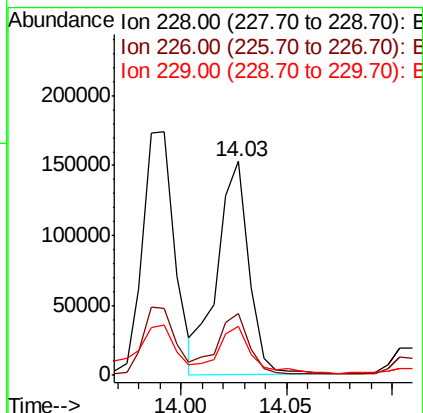
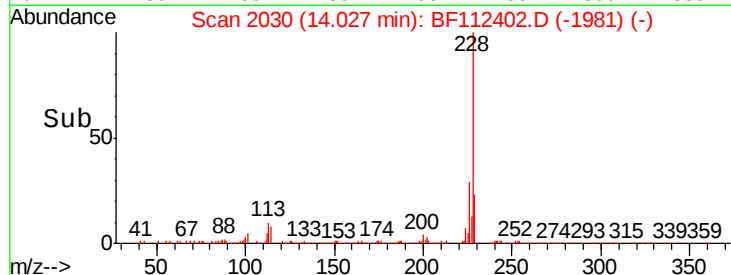
229 23.2 16.6 24.8



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: 3.753 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF112402.D

Acq: 5 Feb 2019 18:10

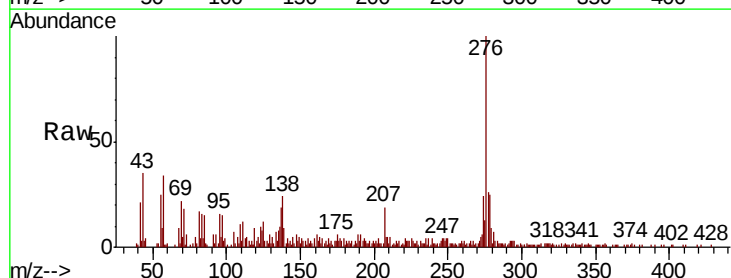
Tgt Ion: 276 Resp: 58310

Ion Ratio Lower Upper

276 100

138 23.4 22.6 34.0

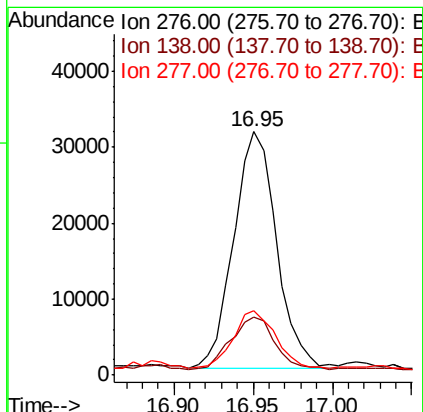
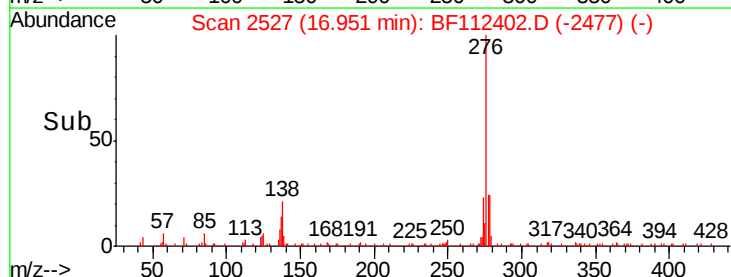
277 23.3 20.3 30.5

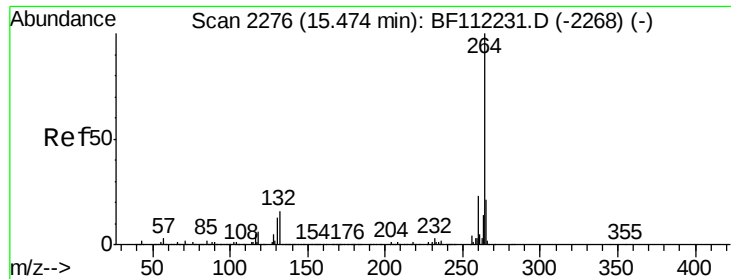


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



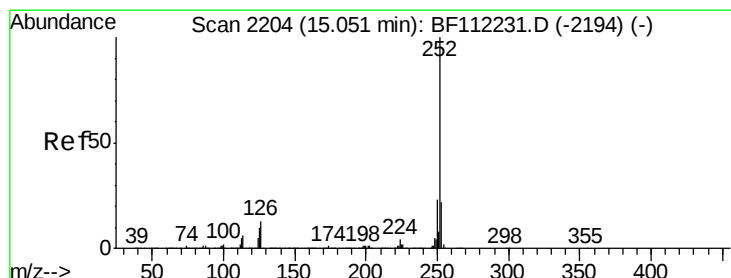
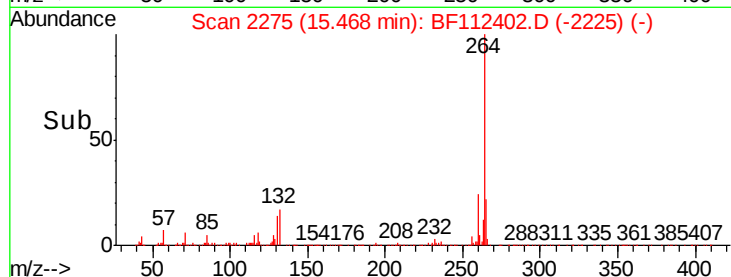
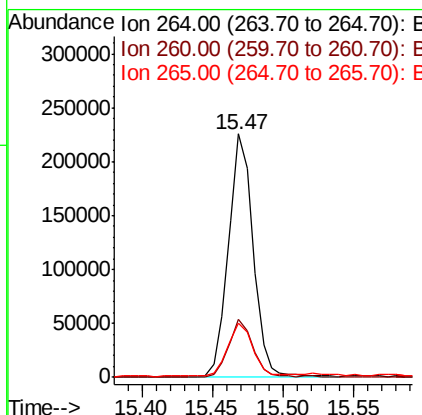
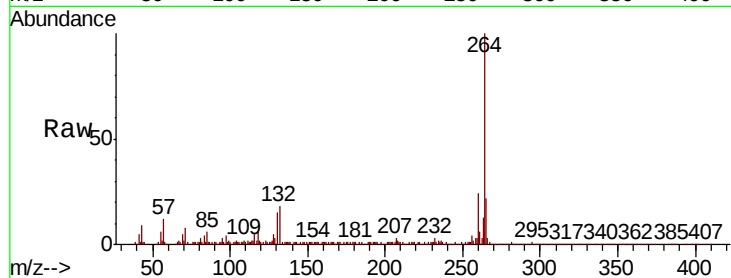


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

Tgt Ion: 264 Resp: 273869

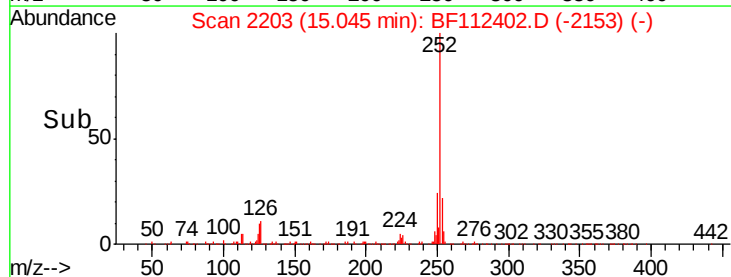
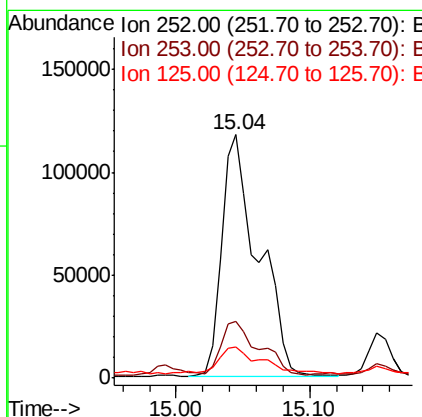
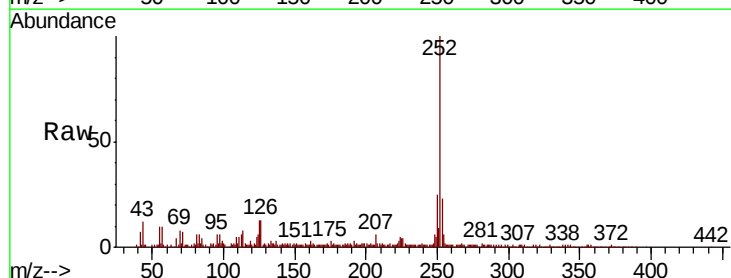
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	22.2	17.0	25.4

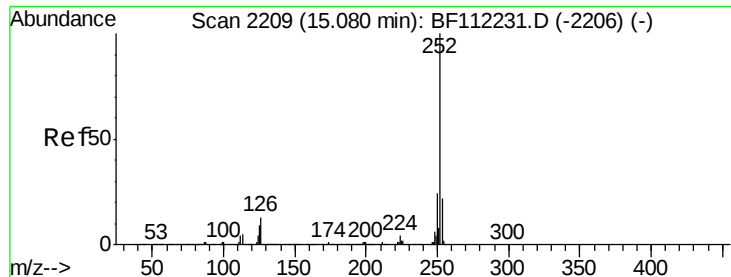


#88
Benzo(b)fluoranthene
Concen: 13.695 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion: 252 Resp: 224310

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.7	8.7	13.1

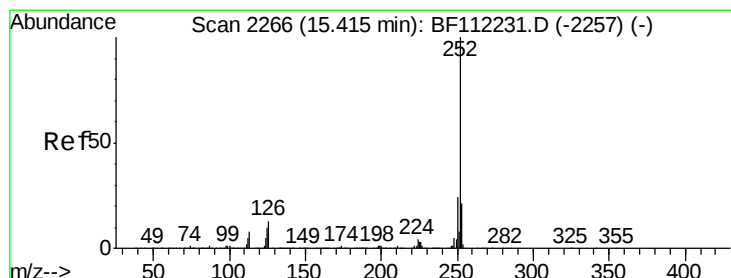
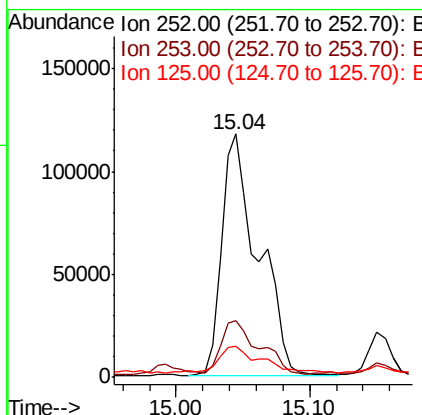
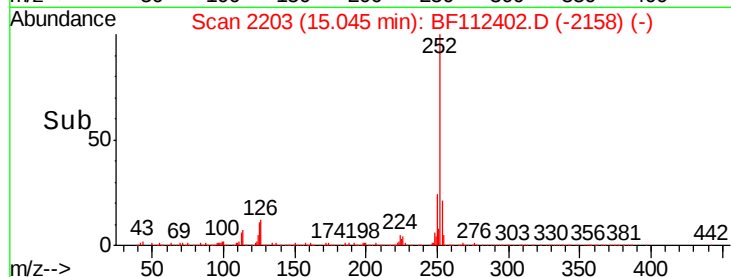
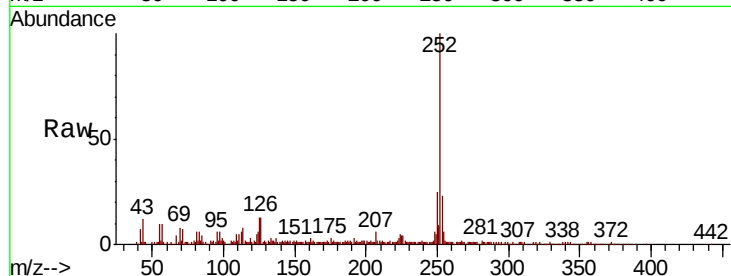




#89
Benzo(k)fluoranthene
Concen: 14.298 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

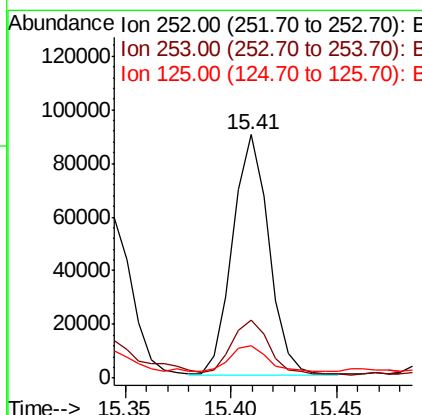
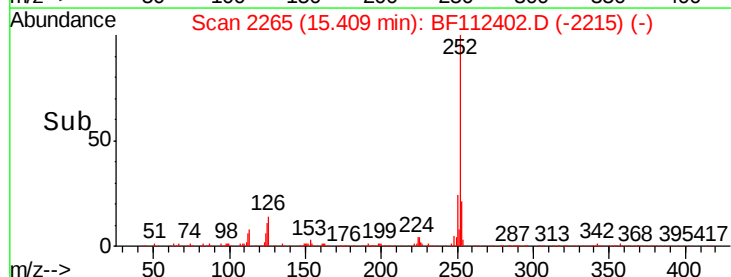
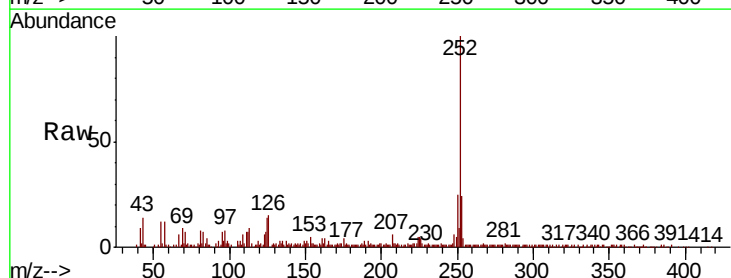
Instrument :
BNA_F
ClientSampleId :
CL-02-020419-A

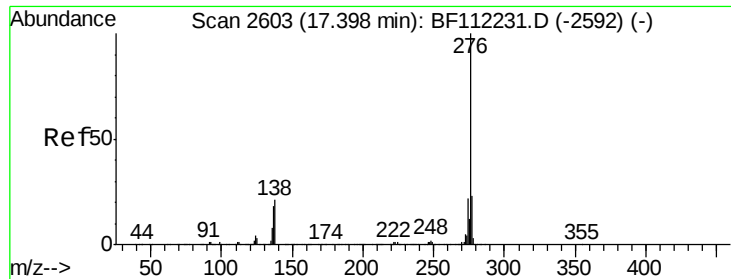
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.7	9.1	13.7



#90
Benzo(a)pyrene
Concen: 7.248 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112402.D
Acq: 5 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	13.5	9.0	13.4#





#92
 Benzo(g,h,i)perylene
 Concen: 4.660 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: BF112402.D
 Acq: 5 Feb 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-020419-A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.4	29.0
138	24.2	19.1	28.7

