

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122818\
 Data File : BF111794.D
 Acq On : 28 Dec 2018 17:45
 Operator : JU/SJ
 Sample : J6193-17 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-D

Quant Time: Dec 29 01:11:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

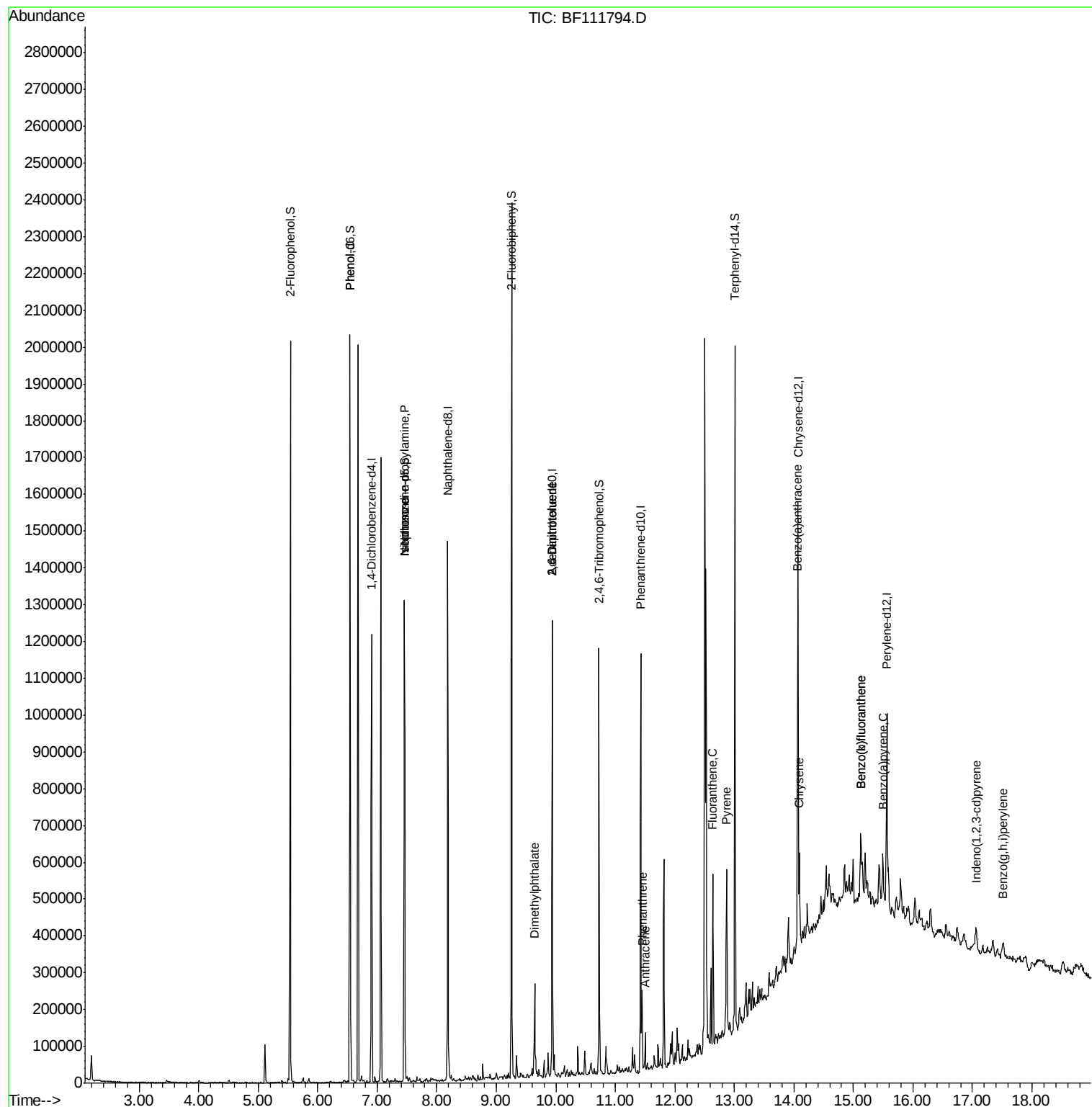
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	161425	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	574674	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	240989	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	374939	20.00	ng	0.01
76) Chrysene-d12	14.07	240	367260	20.00	ng	0.02
87) Perylene-d12	15.56	264	261367	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	482490	50.95	ng	0.02
7) Phenol-d6	6.55	99	606461	50.32	ng	0.02
23) Nitrobenzene-d5	7.46	82	375276	38.01	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	127985	44.95	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	667056	40.35	ng	0.00
79) Terphenyl-d14	13.01	244	571247	29.50	ng	0.01
Target Compounds						
10) Phenol	6.55	94	41172	3.028	ng	83
19) n-Nitroso-di-n-propylamine	7.46	70	52324	6.537	ng	# 77
25) Isophorone	7.46	82	375272	21.411	ng	# 64
50) Dimethylphthalate	9.65	163	89801	5.096	ng	98
51) 2,6-Dinitrotoluene	9.94	165	30872	8.785	ng	# 30
57) 2,4-Dinitrotoluene	9.94	165	30872	7.310	ng	# 25
71) Phenanthrene	11.45	178	73700	3.706	ng	94
72) Anthracene	11.50	178	41355	2.072	ng	92
75) Fluoranthene	12.64	202	175077	8.695	ng	96
78) Pyrene	12.87	202	181628	7.003	ng	96
81) Benzo(a)anthracene	14.06	228	100058	4.774	ng	95
83) Chrysene	14.09	228	90678	4.402	ng	98
86) Indeno(1,2,3-cd)pyrene	17.06	276	35286	2.015	ng	# 85
88) Benzo(b)fluoranthene	15.12	252	125471	8.214	ng	96
89) Benzo(k)fluoranthene	15.12	252	125471	8.628	ng	95
90) Benzo(a)pyrene	15.50	252	65139	4.694	ng	98
92) Benzo(g,h,i)perylene	17.52	276	35932	3.028	ng	# 87

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

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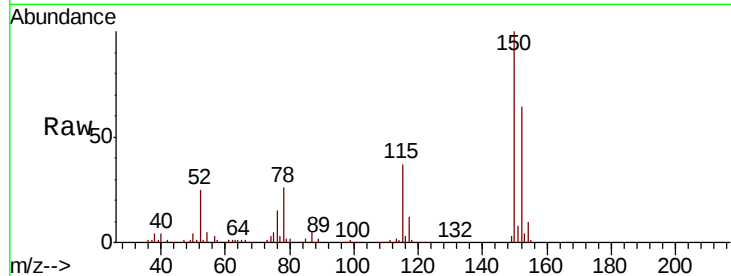


#1

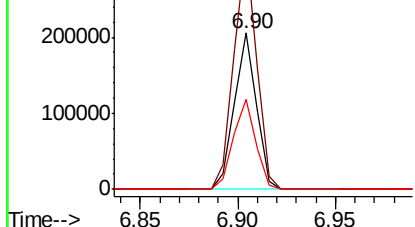
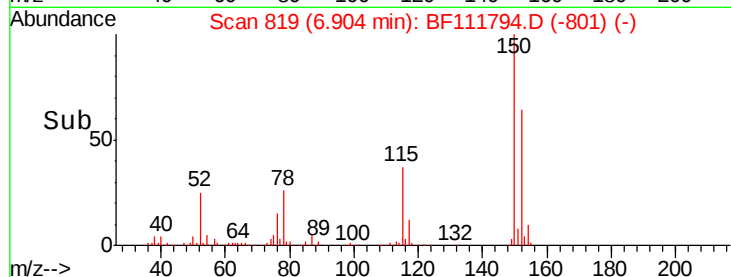
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-D

Tgt Ion:152 Resp: 161425
Ion Ratio Lower Upper
152 100
150 155.8 126.6 189.8
115 57.8 50.7 76.1



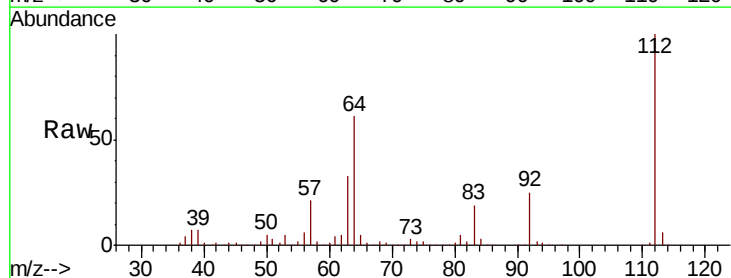
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



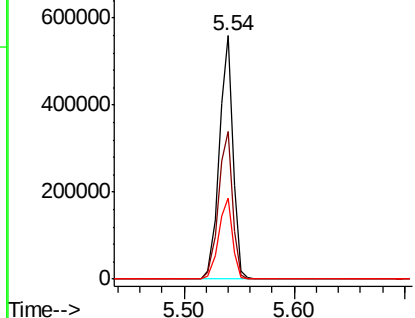
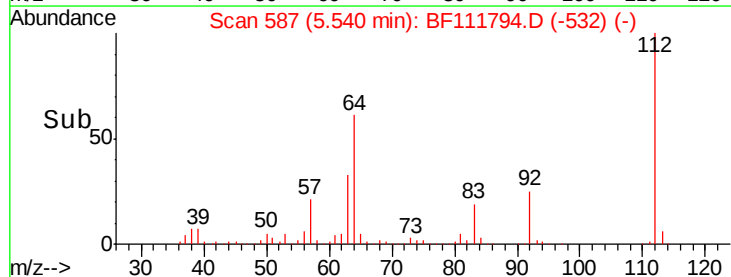
#5

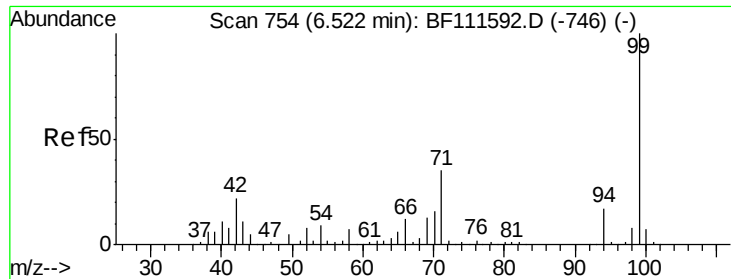
2-Fluorophenol
Concen: 50.948 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion:112 Resp: 482490
Ion Ratio Lower Upper
112 100
64 60.7 51.8 77.6
63 33.3 26.8 40.2



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: 50.319 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-D

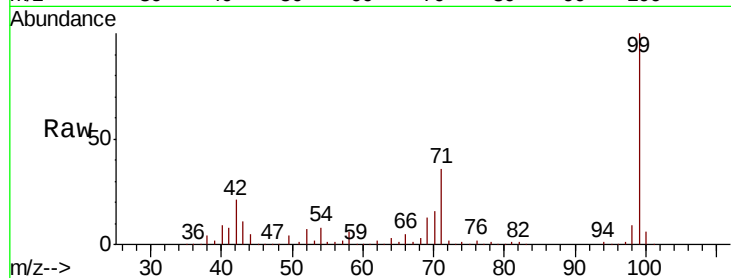
Tgt Ion: 99 Resp: 606461

Ion Ratio Lower Upper

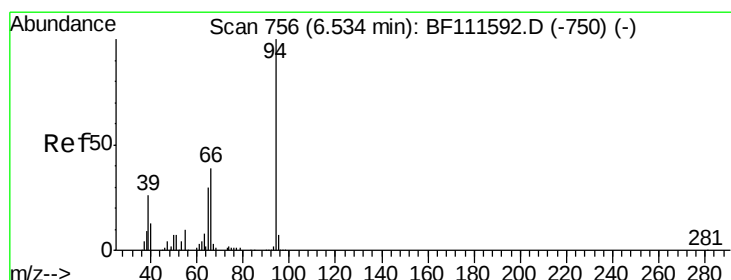
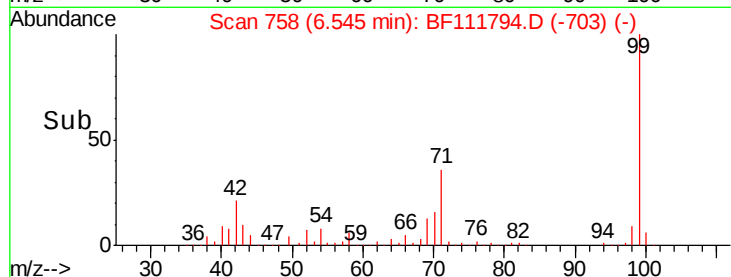
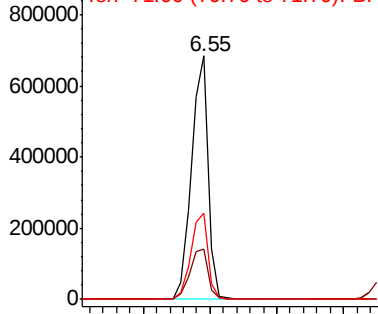
99 100

42 20.9 17.4 26.0

71 35.5 26.1 39.1



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: 3.028 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

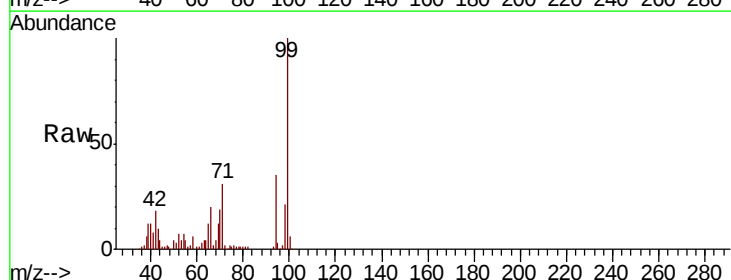
Tgt Ion: 94 Resp: 41172

Ion Ratio Lower Upper

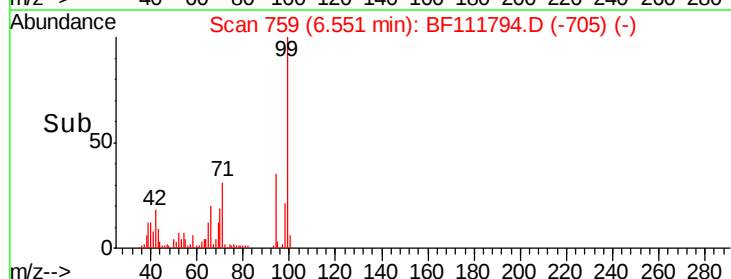
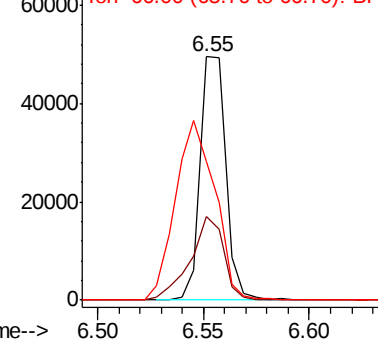
94 100

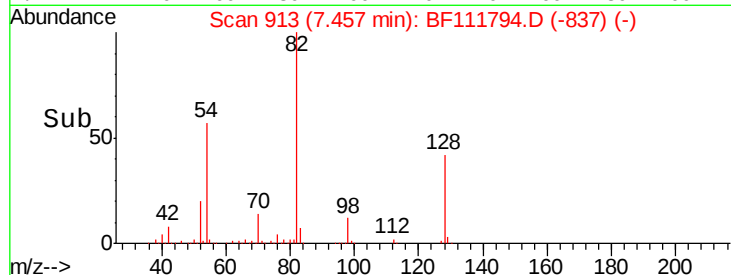
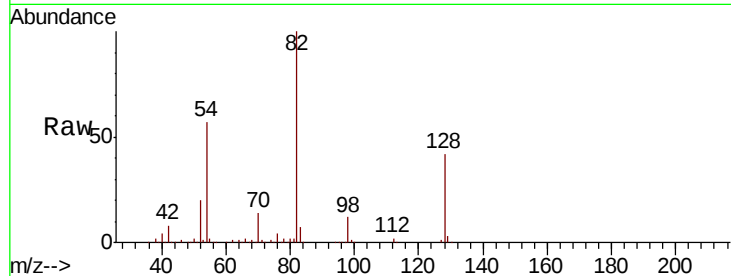
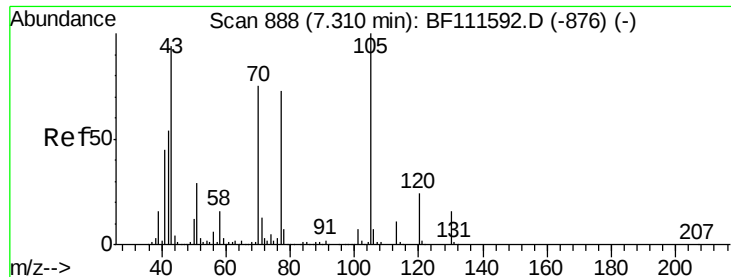
65 34.4 11.7 51.7

66 57.1 21.0 61.0



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

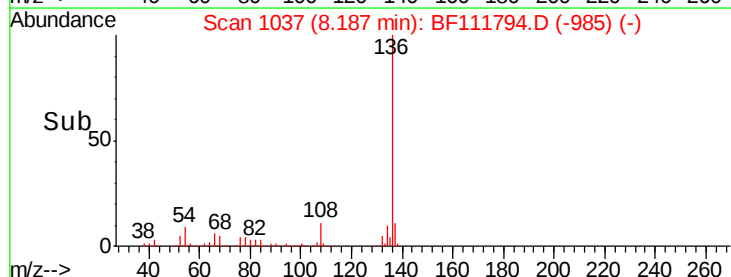
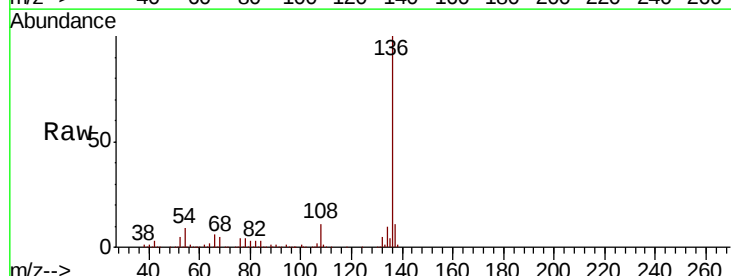
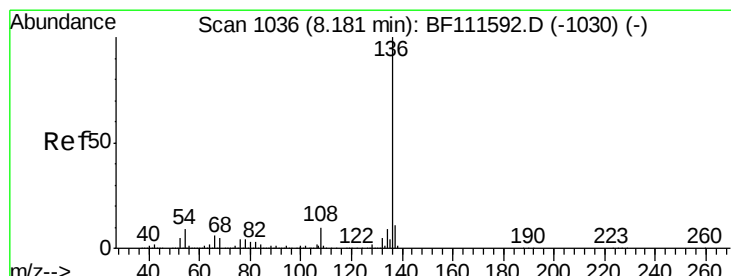
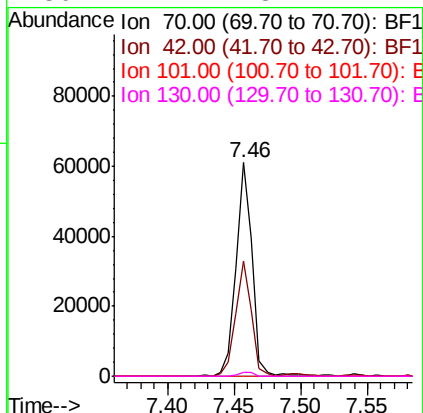




#19
n-Nitroso-di-n-propylamine
Concen: 6.537 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

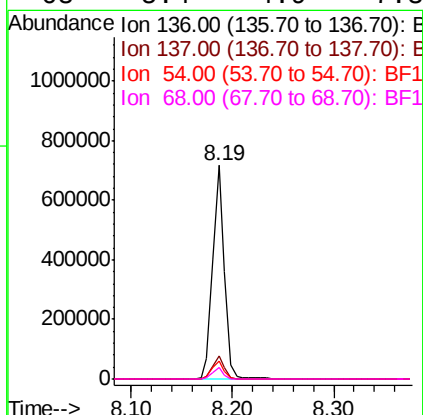
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-D

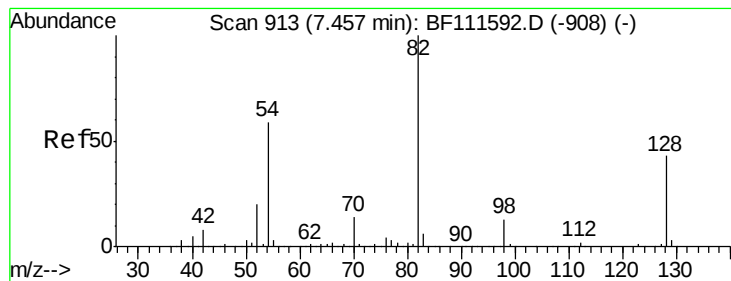
Tgt Ion: 70 Resp: 52324
Ion Ratio Lower Upper
70 100
42 54.1 53.2 79.8
101 0.0 8.2 12.4#
130 2.1 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion: 136 Resp: 574674
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 8.5 7.7 11.5
68 5.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 38.011 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-D

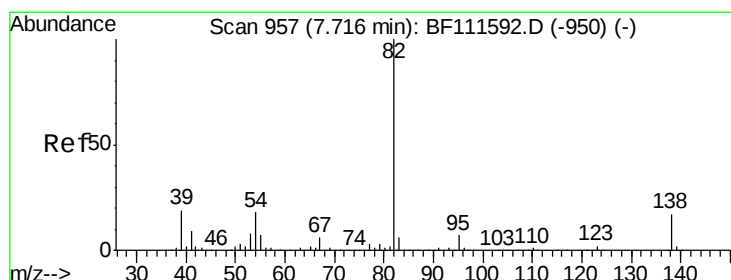
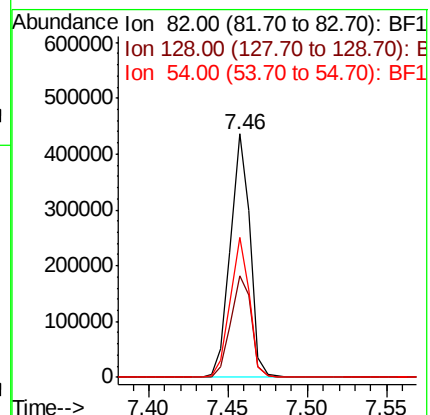
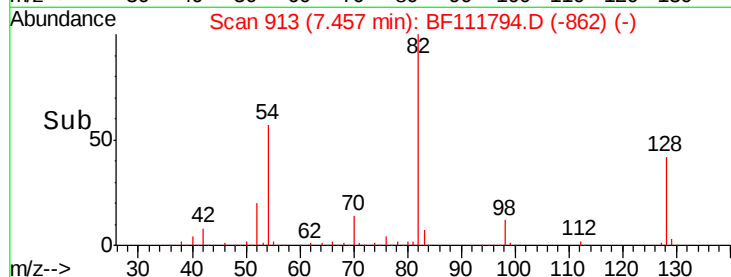
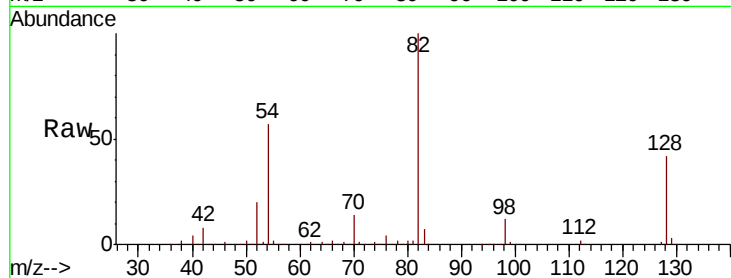
Tgt Ion: 82 Resp: 375276

Ion Ratio Lower Upper

82 100

128 41.7 37.4 56.2

54 57.3 47.6 71.4



#25

Isophorone

Concen: 21.411 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

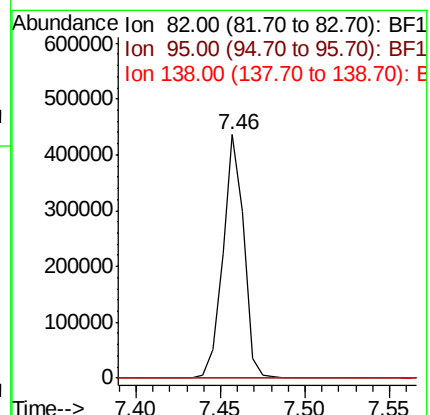
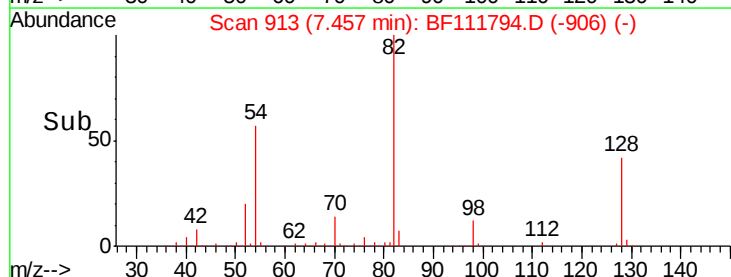
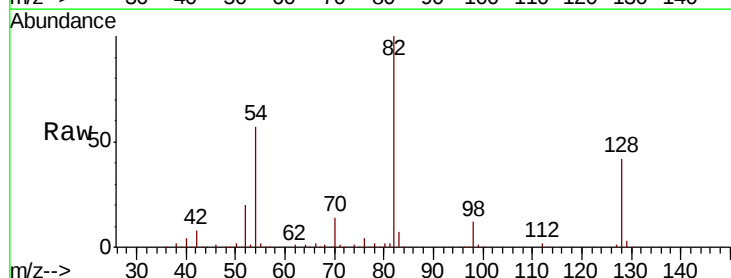
Tgt Ion: 82 Resp: 375272

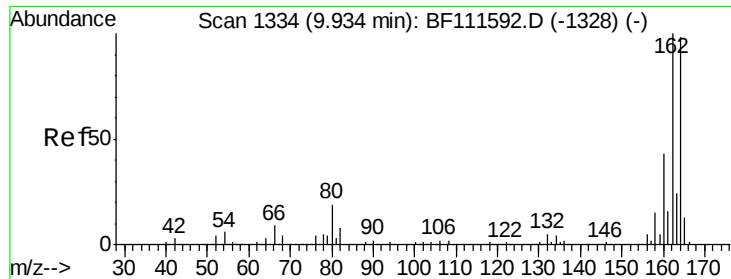
Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

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BNA_F

ClientSampleId :

CL-02-122718-D

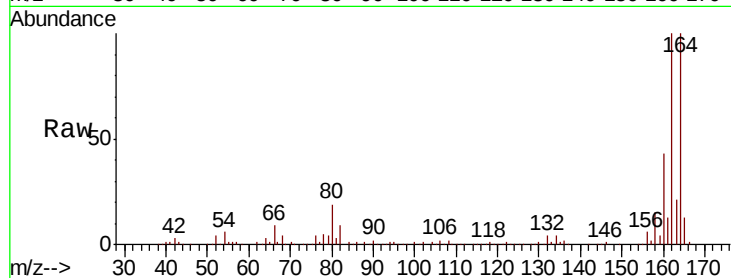
Tgt Ion:164 Resp: 240989

Ion Ratio Lower Upper

164 100

162 100.3 81.4 122.0

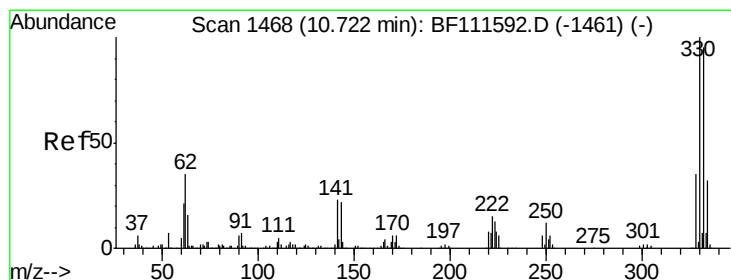
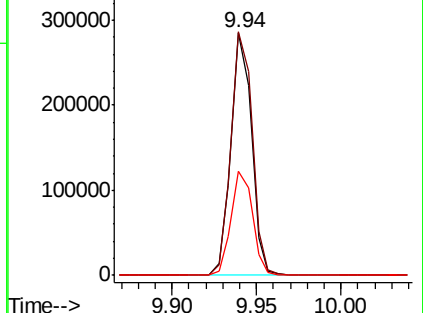
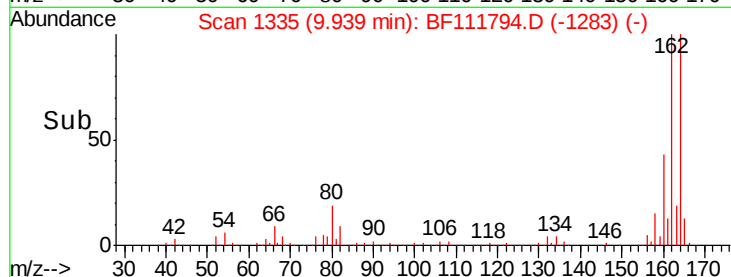
160 43.0 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 44.947 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

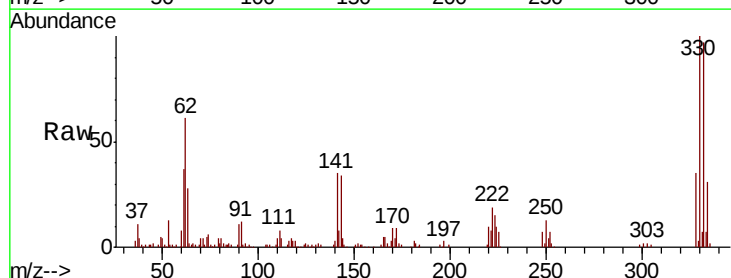
Tgt Ion:330 Resp: 127985

Ion Ratio Lower Upper

330 100

332 98.2 76.0 114.0

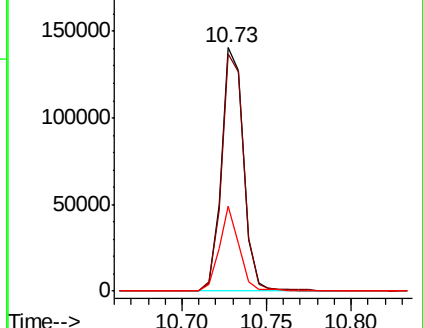
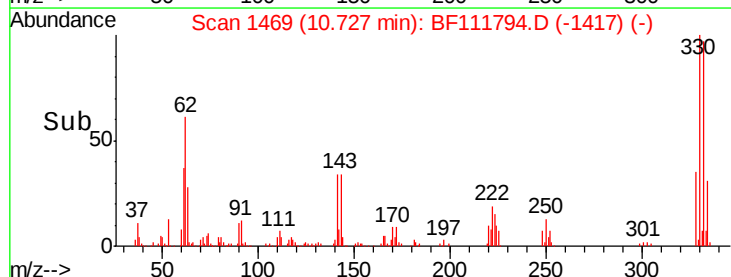
141 31.7 31.0 46.6

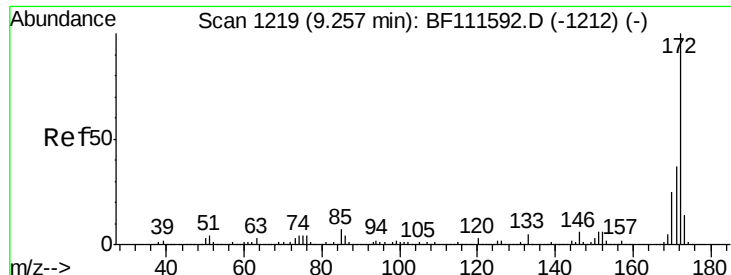


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

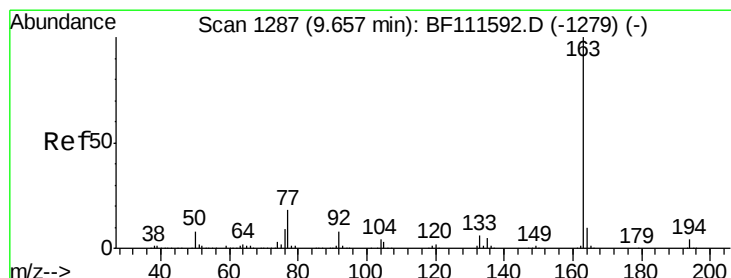
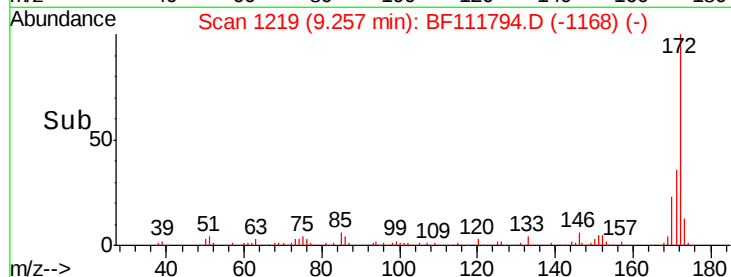
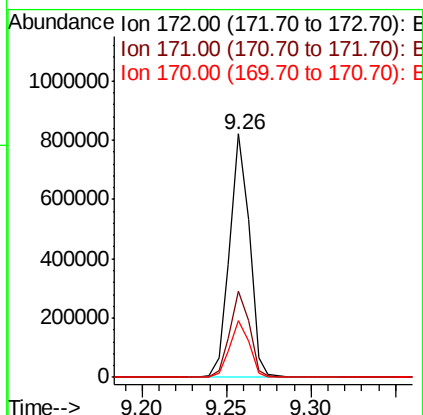
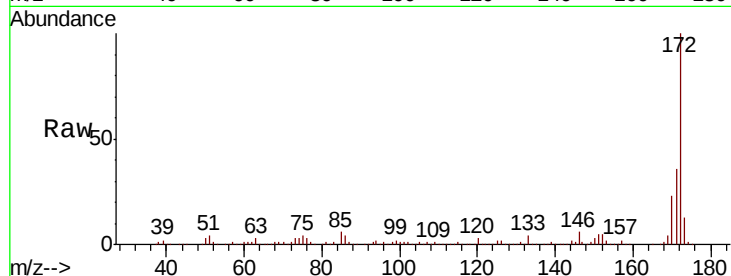




#45
2-Fluorobiphenyl
Concen: 40.346 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

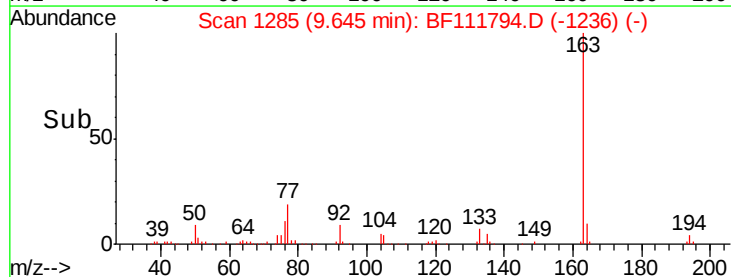
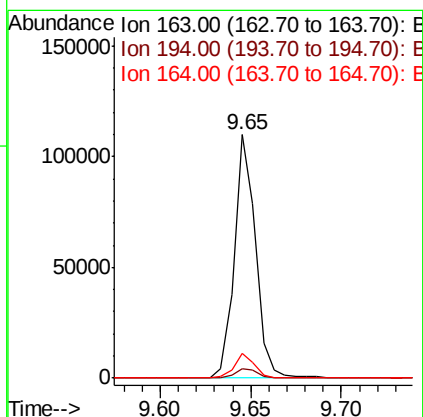
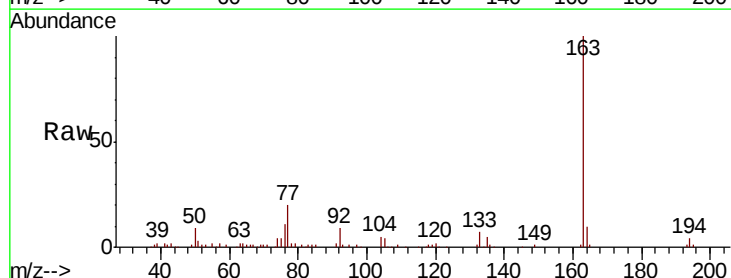
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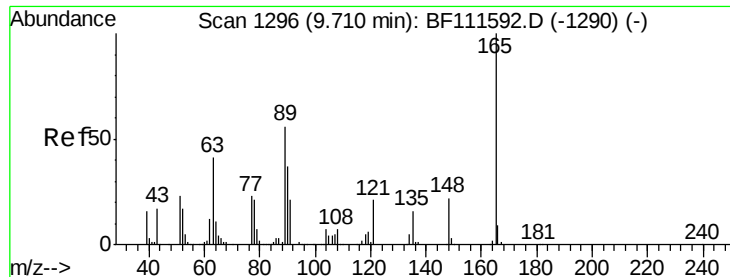
Tgt Ion:172 Resp: 667056
Ion Ratio Lower Upper
172 100
171 35.6 33.0 49.4
170 23.4 22.3 33.5



#50
Dimethylphthalate
Concen: 5.096 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion:163 Resp: 89801
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.2 8.9 13.3

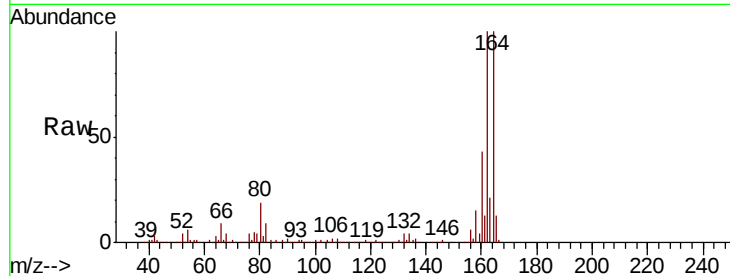




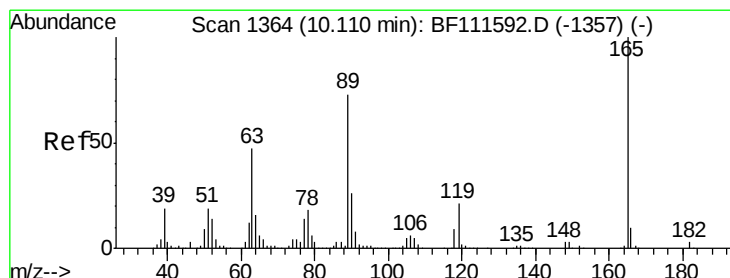
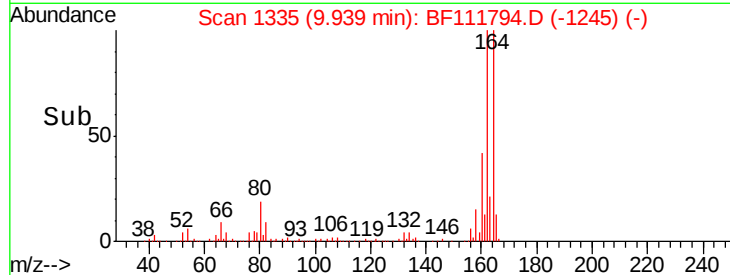
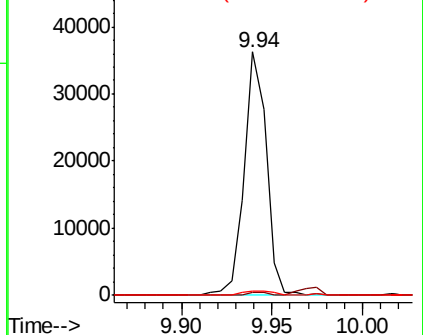
#51
2,6-Dinitrotoluene
Concen: 8.785 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.23 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-D

Tgt Ion:165 Resp: 30872
Ion Ratio Lower Upper
165 100
63 1.4 40.5 60.7#
89 1.8 40.0 60.0#

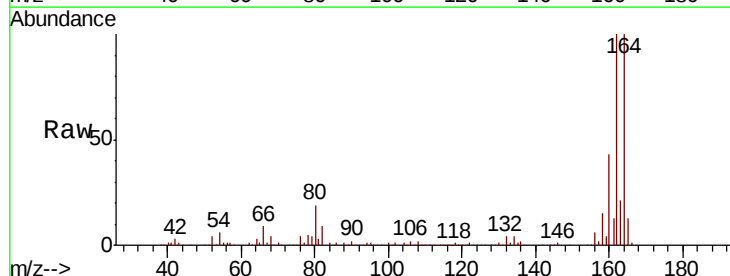


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

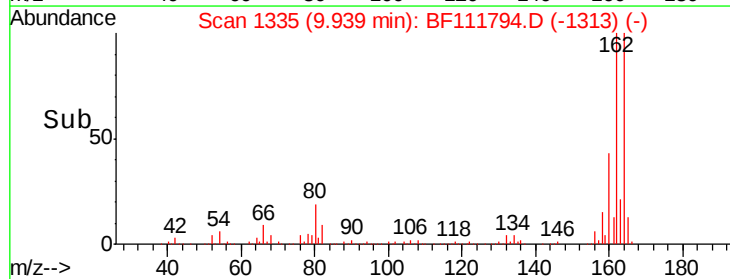
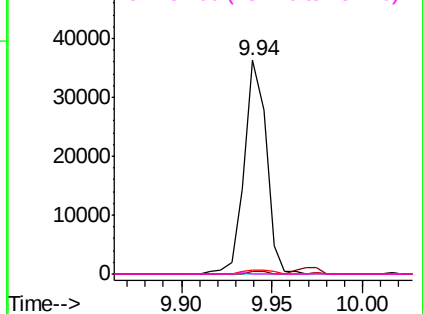


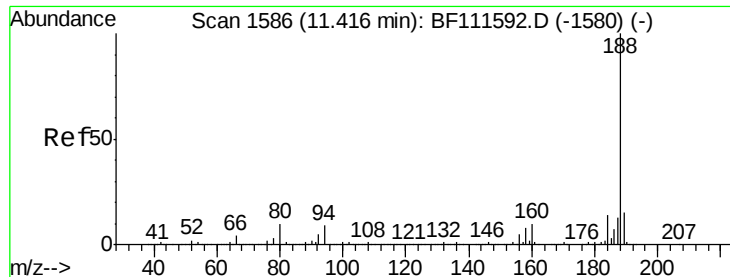
#57
2,4-Dinitrotoluene
Concen: 7.310 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.17 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion:165 Resp: 30872
Ion Ratio Lower Upper
165 100
63 1.4 34.6 52.0#
89 1.8 56.2 84.4#
182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

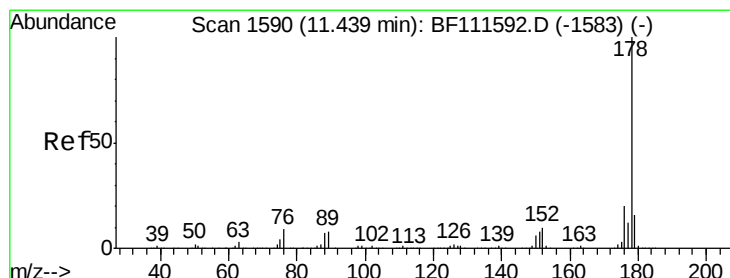
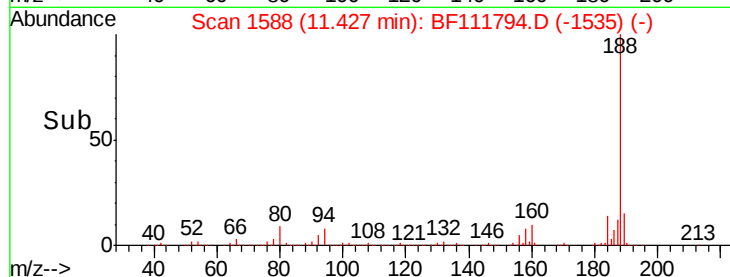
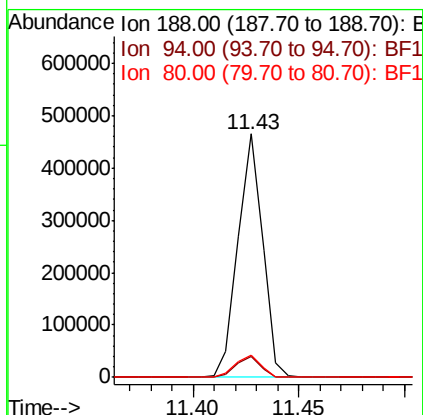
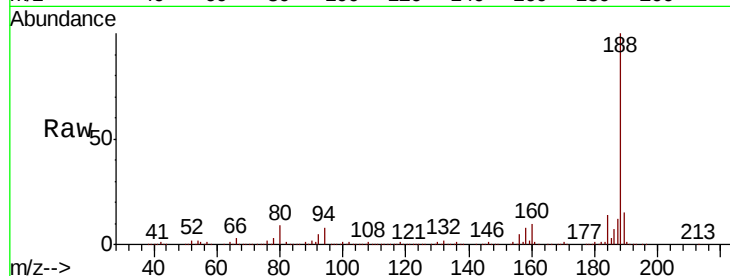




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111794.D
 Acq: 28 Dec 2018 17:45

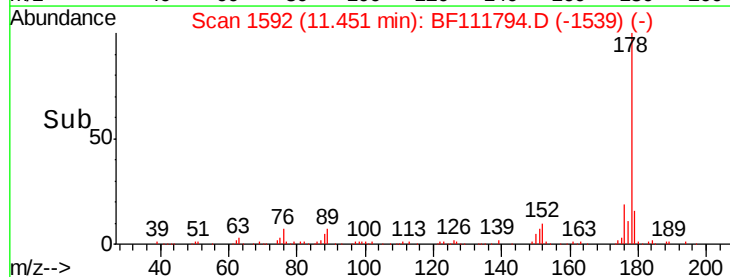
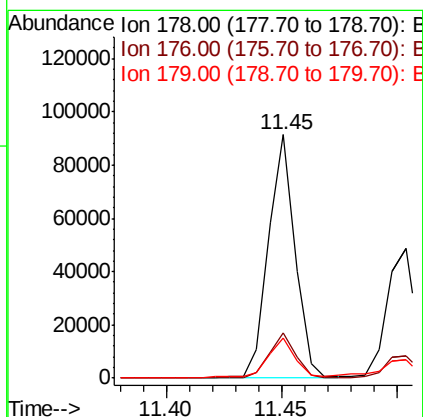
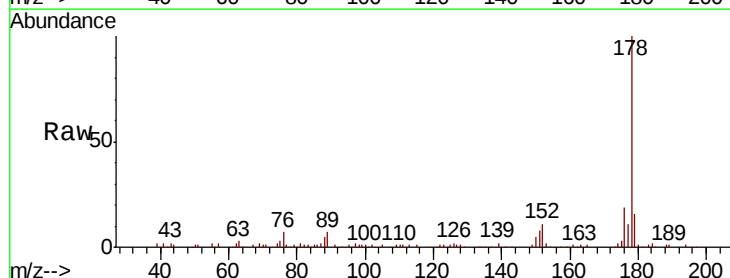
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-D

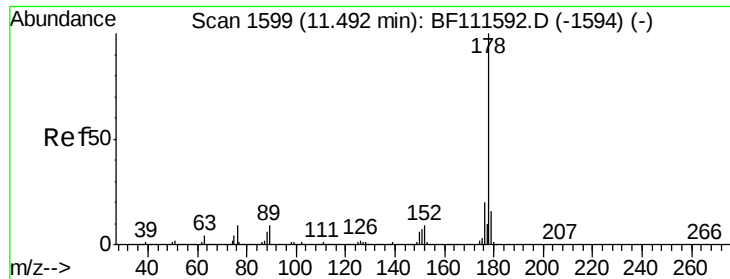
Tgt Ion:188 Resp: 374939
 Ion Ratio Lower Upper
 188 100
 94 8.4 9.6 14.4#
 80 9.1 9.8 14.6#



#71
 Phenanthrene
 Concen: 3.706 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BF111794.D
 Acq: 28 Dec 2018 17:45

Tgt Ion:178 Resp: 73700
 Ion Ratio Lower Upper
 178 100
 176 18.7 18.1 27.1
 179 16.5 14.0 21.0

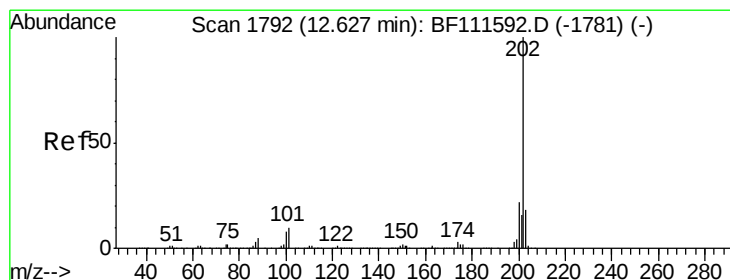
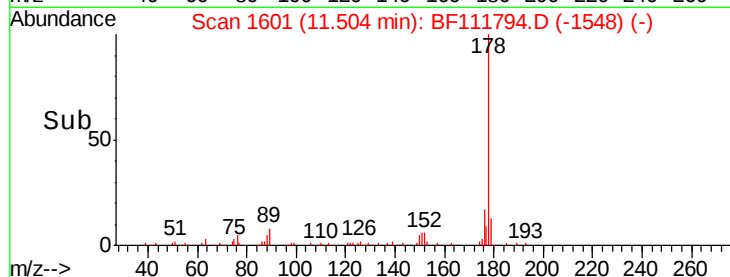
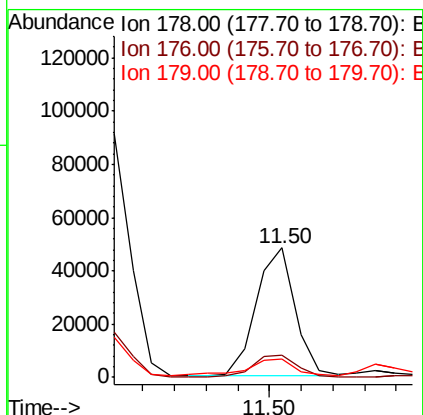
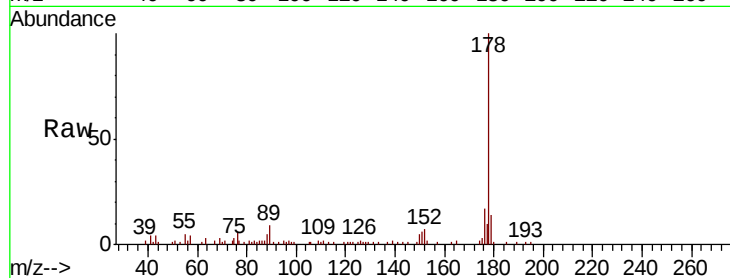




#72
 Anthracene
 Concen: 2.072 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF111794.D
 Acq: 28 Dec 2018 17:45

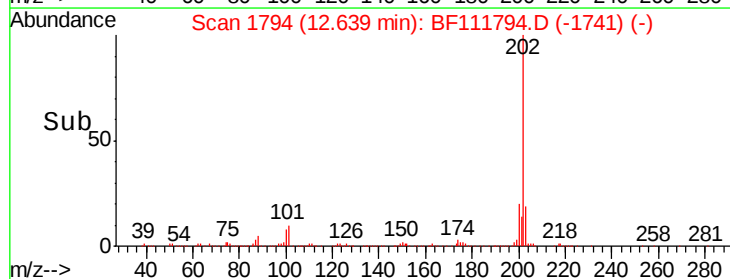
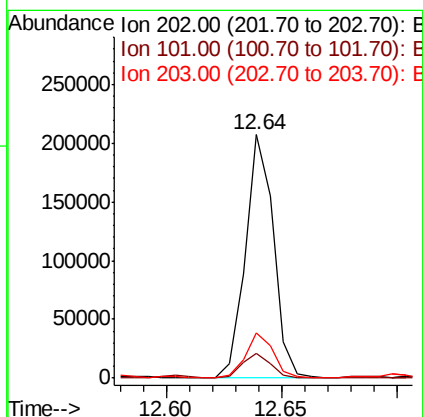
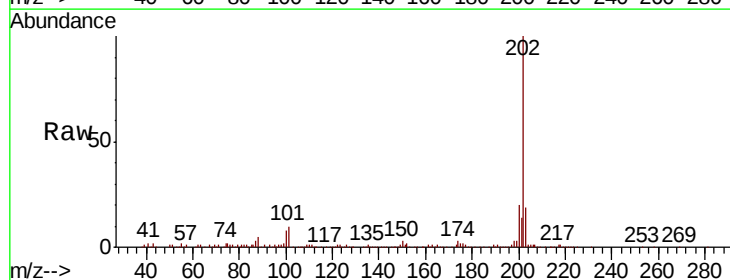
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-D

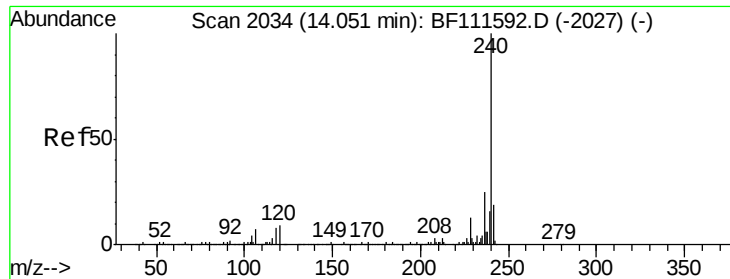
Tgt Ion:178 Resp: 41355
 Ion Ratio Lower Upper
 178 100
 176 17.5 17.2 25.8
 179 13.9 13.8 20.8



#75
 Fluoranthene
 Concen: 8.695 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.01 min
 Lab File: BF111794.D
 Acq: 28 Dec 2018 17:45

Tgt Ion:202 Resp: 175077
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 33.8
 203 18.6 0.0 38.6

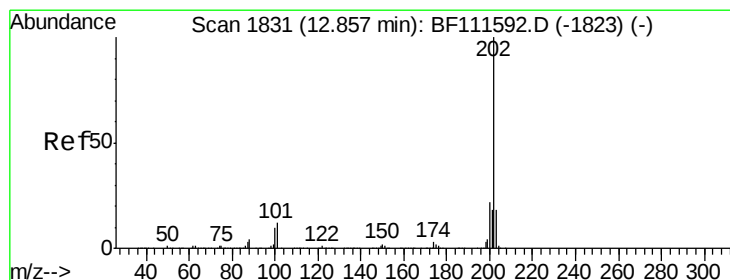
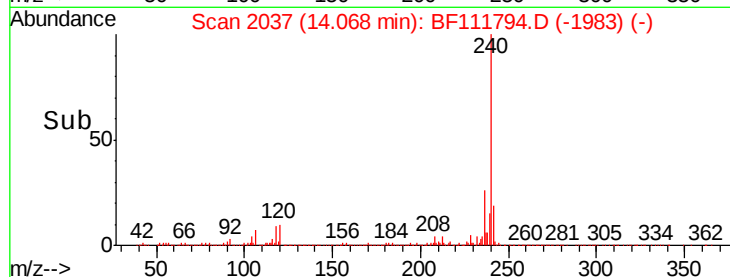
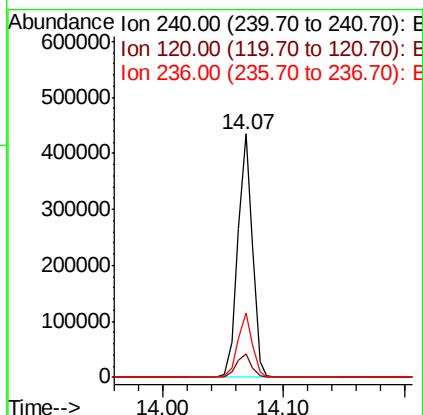
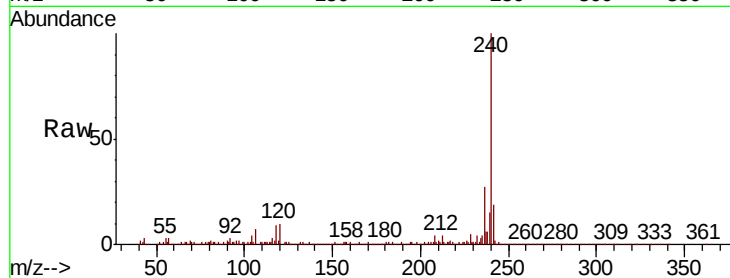




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

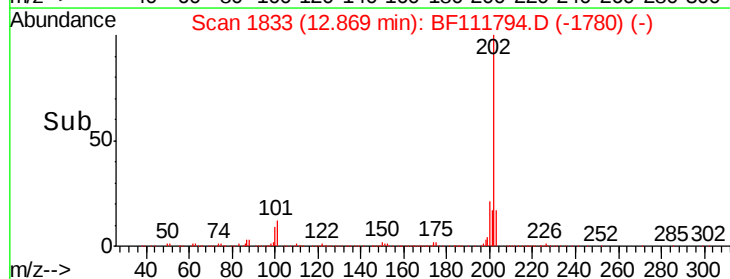
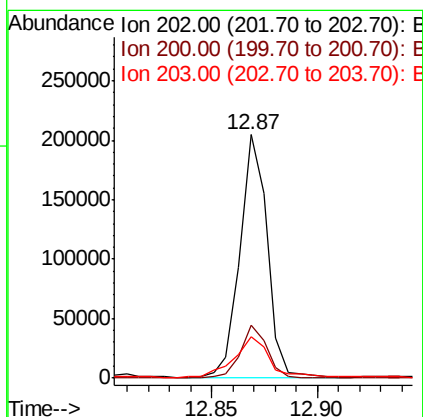
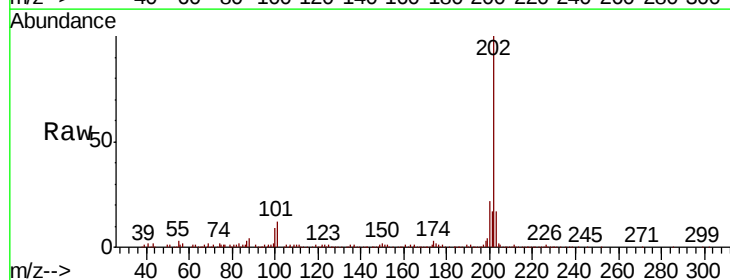
Instrument :
BNA_F
ClientSampleId :
CL-02-122718-D

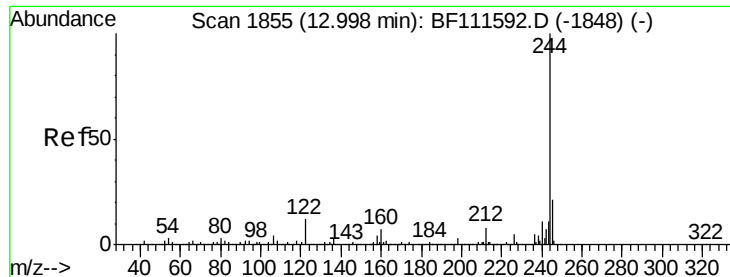
Tgt Ion:240 Resp: 367260
Ion Ratio Lower Upper
240 100
120 9.7 12.2 18.2#
236 26.5 20.2 30.2



#78
Pyrene
Concen: 7.003 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion:202 Resp: 181628
Ion Ratio Lower Upper
202 100
200 21.6 19.0 28.4
203 17.1 15.2 22.8





#79

Terphenyl-d14

Concen: 29.497 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-D

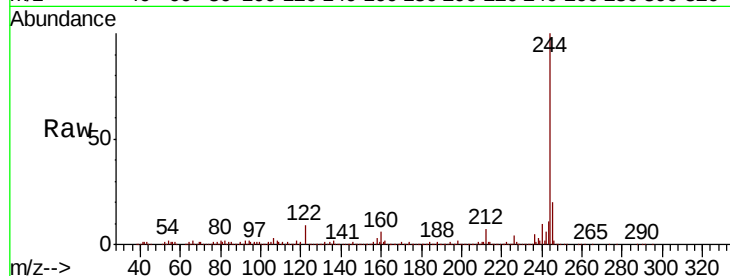
Tgt Ion:244 Resp: 571247

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

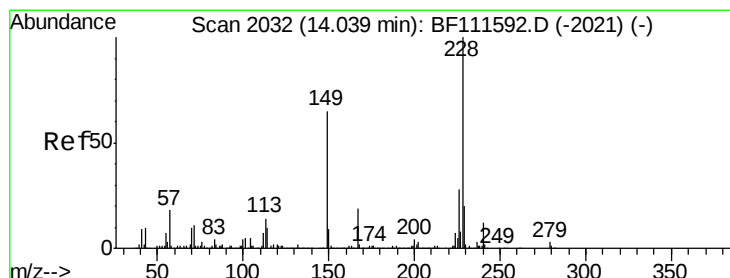
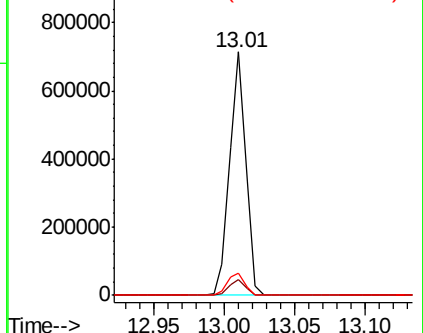
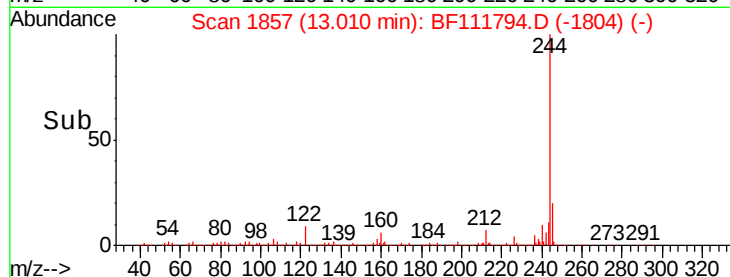
122 9.4 13.1 19.7#



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



#81

Benzo(a)anthracene

Concen: 4.774 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

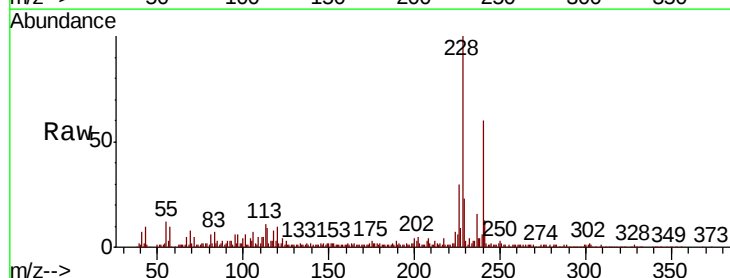
Tgt Ion:228 Resp: 100058

Ion Ratio Lower Upper

228 100

226 30.5 22.6 34.0

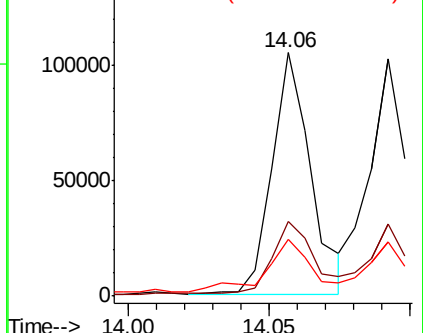
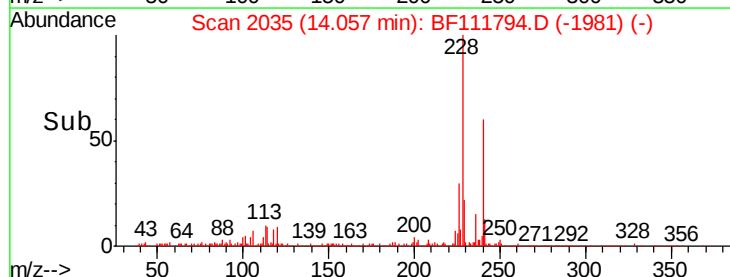
229 23.2 16.3 24.5

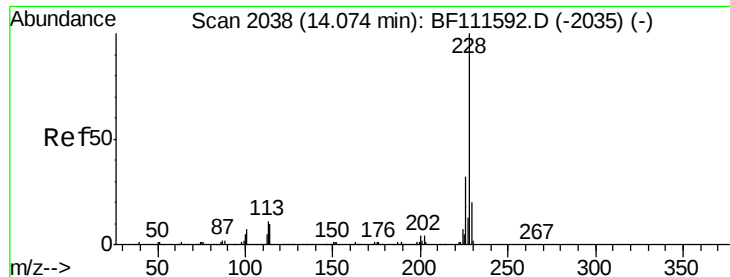


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

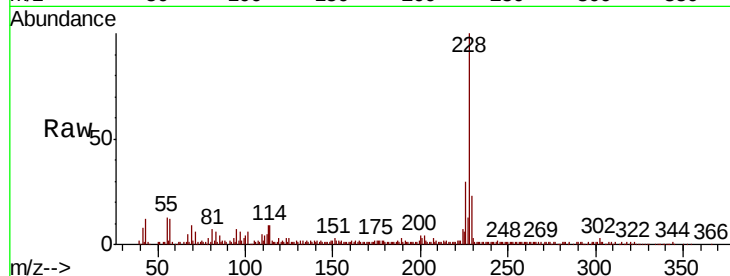




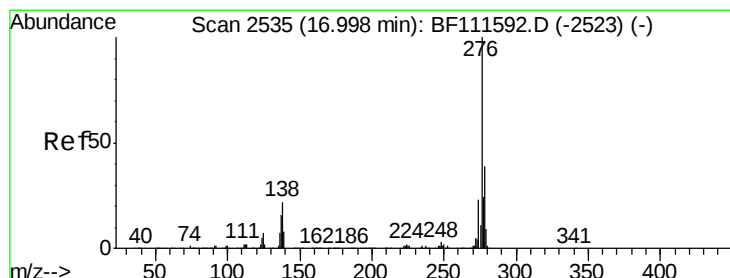
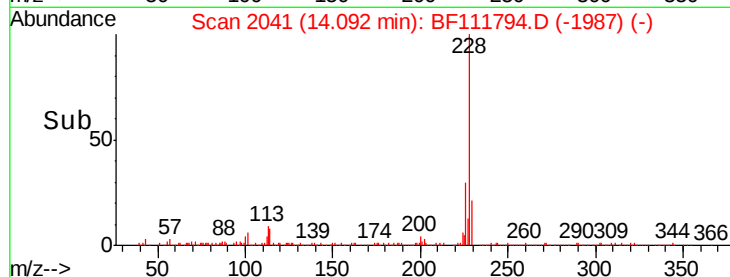
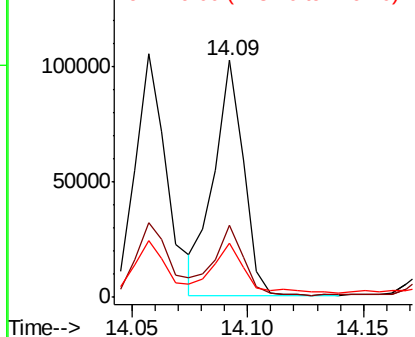
#83
Chrysene
Concen: 4.402 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-D

Tgt Ion:228 Resp: 90678
Ion Ratio Lower Upper
228 100
226 30.4 25.3 37.9
229 22.7 17.2 25.8

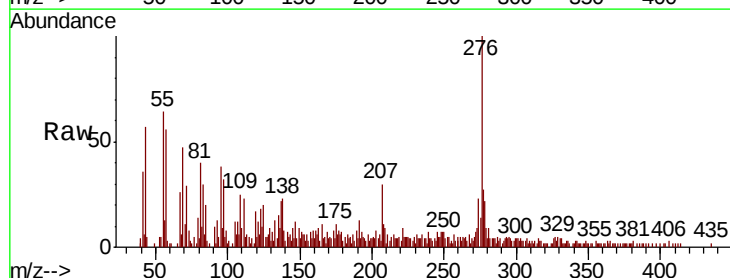


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

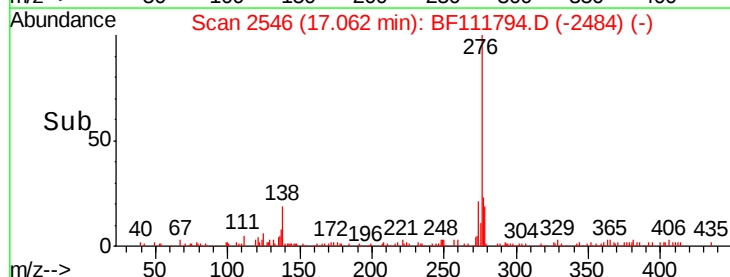
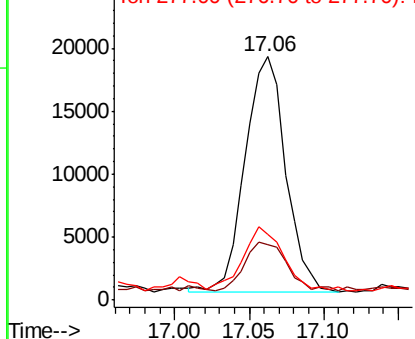


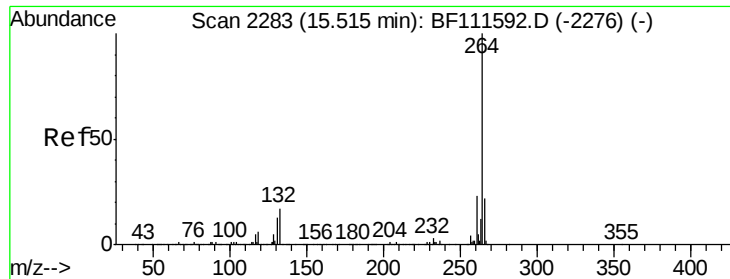
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.015 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.06 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion:276 Resp: 35286
Ion Ratio Lower Upper
276 100
138 21.9 27.8 41.6#
277 27.7 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



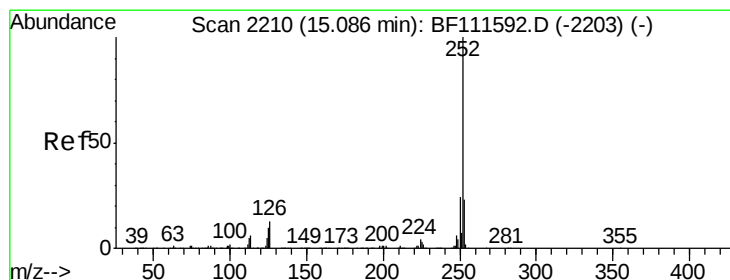
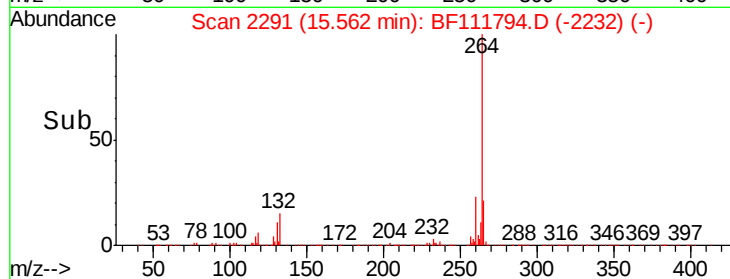
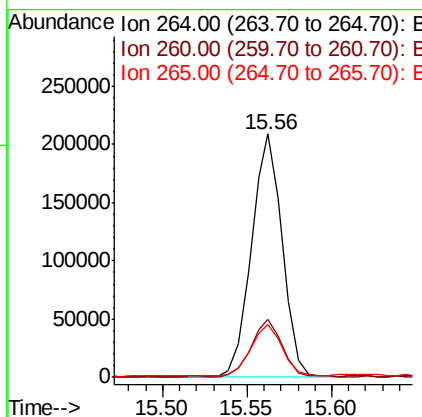
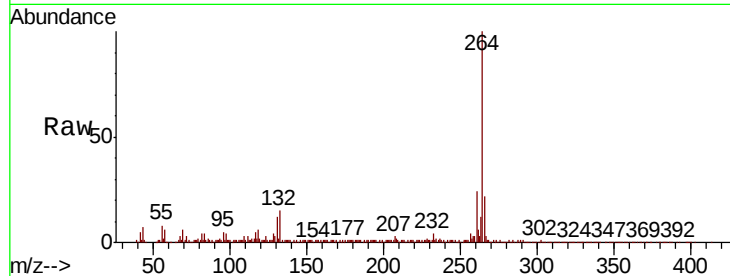


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.05 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-D

Tgt Ion: 264 Resp: 261367

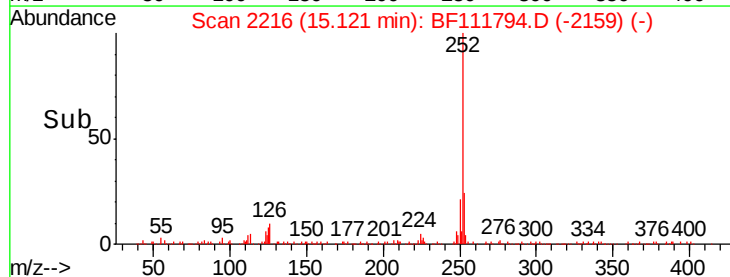
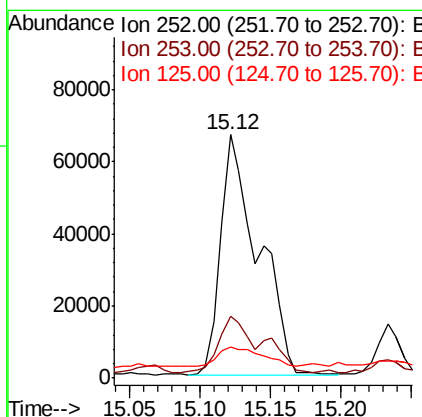
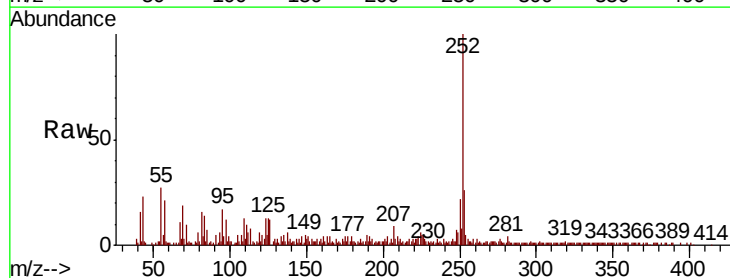
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	21.9	17.7	26.5

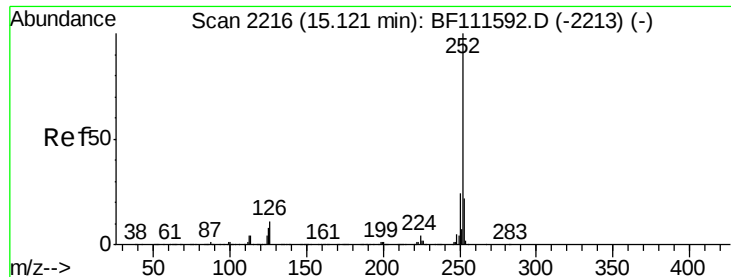


#88
Benzo(b)fluoranthene
Concen: 8.214 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion: 252 Resp: 125471

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	13.0	10.4	15.6

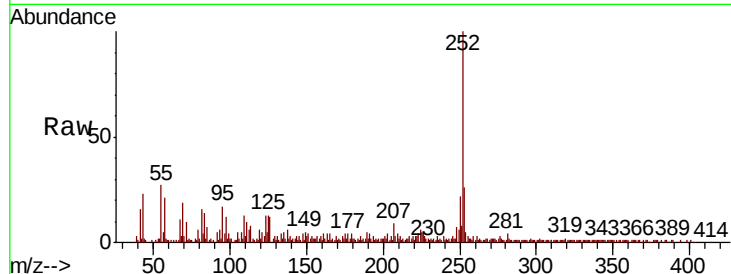




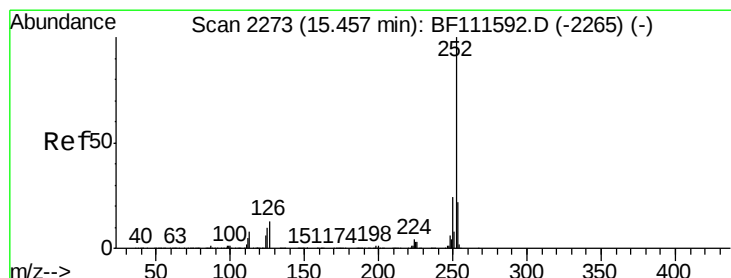
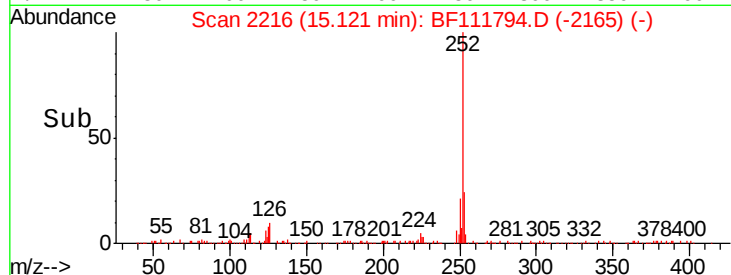
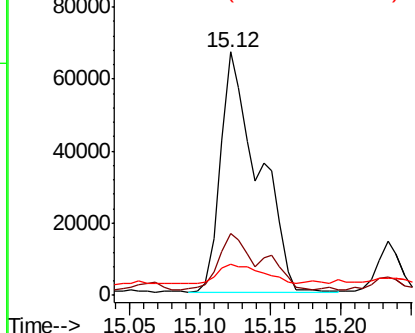
#89
Benzo(k)fluoranthene
Concen: 8.628 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.1	27.1
125	13.0	9.8	14.8

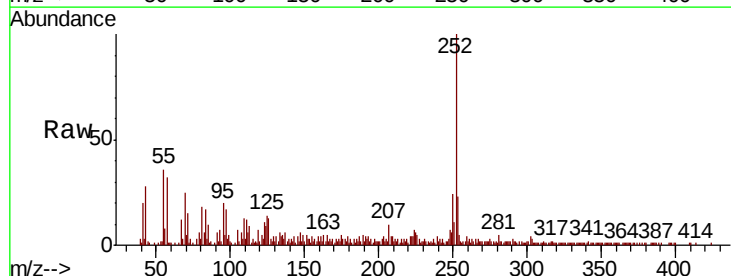


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

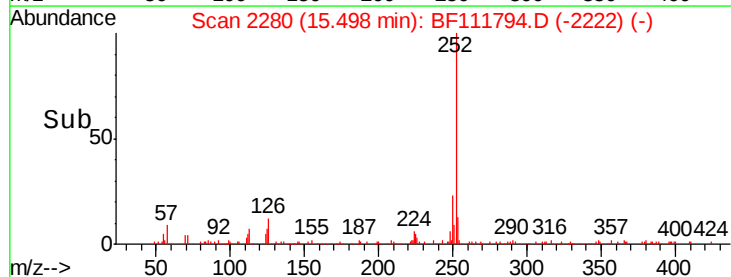
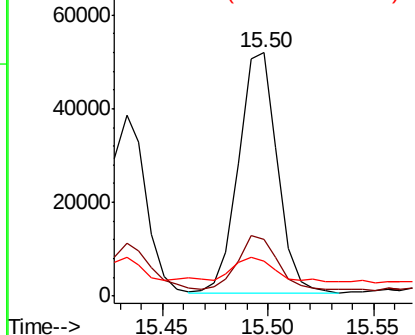


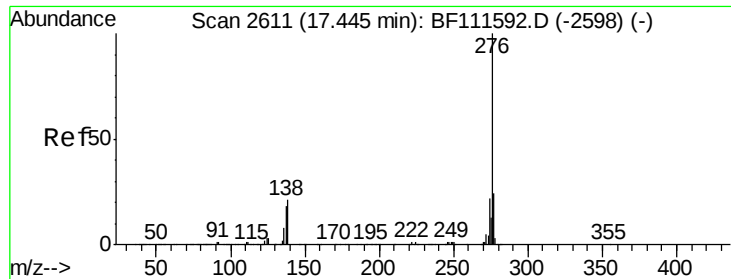
#90
Benzo(a)pyrene
Concen: 4.694 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.04 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	14.4	12.3	18.5



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





#92
 Benzo(g,h,i)perylene
 Concen: 3.028 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. 0.08 min
 Lab File: BF111794.D
 Acq: 28 Dec 2018 17:45

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-D

Tgt Ion: 276 Resp: 35932
 Ion Ratio Lower Upper
 276 100
 277 27.6 19.2 28.8
 138 21.1 24.9 37.3#

