

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112864.D
 Acq On : 5 Mar 2019 20:48
 Operator : JU/SJ
 Sample : K1705-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Quant Time: Mar 06 01:45:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	182203	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	713909	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	349453	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	689404	20.00	ng	0.00
76) Chrysene-d12	13.87	240	463432	20.00	ng	0.00
87) Perylene-d12	15.29	264	485829	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1309983	111.84	ng	0.00
7) Phenol-d6	6.38	99	1695350	115.22	ng	0.01
23) Nitrobenzene-d5	7.30	82	1078664	90.41	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	536096	144.50	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1742571	81.80	ng	0.00
79) Terphenyl-d14	12.83	244	1573306	65.81	ng	0.00

Target Compounds

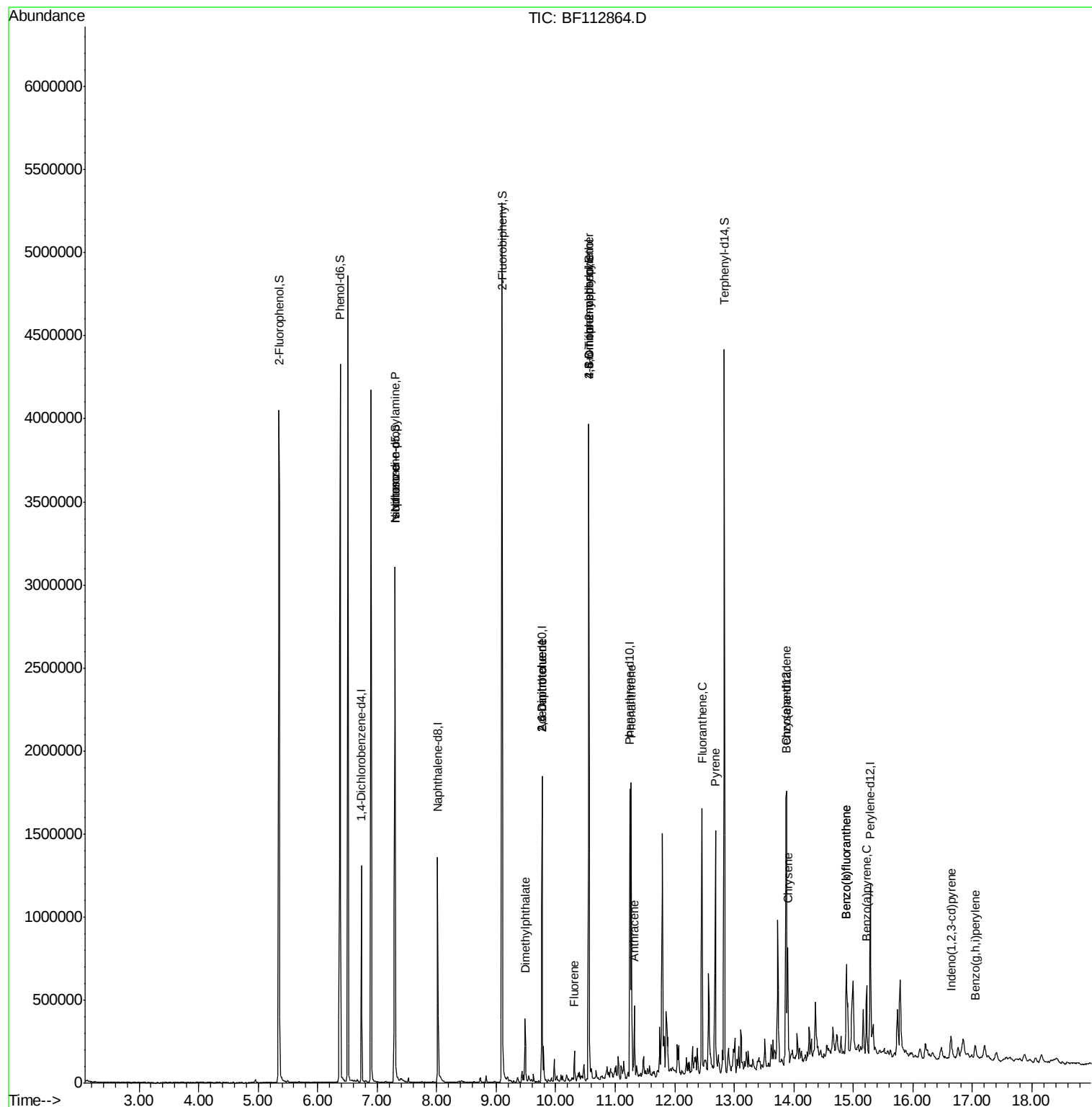
						Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	143708	15.421	ng	# 77
25) Isophorone	7.30	82	1076371	41.877	ng	# 66
50) Dimethylphthalate	9.49	163	151382	5.875	ng	100
51) 2,6-Dinitrotoluene	9.77	165	45112	8.407	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	45112	6.764	ng	# 18
58) Fluorene	10.32	166	47656	2.091	ng	98
65) 4,6-Dinitro-2-methylphenol	10.56	198	1061	4.951	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	30379	4.184	ng	# 1
71) Phenanthrene	11.27	178	664854	19.383	ng	99
72) Anthracene	11.32	178	165379	4.606	ng	97
75) Fluoranthene	12.46	202	690774	18.797	ng	95
78) Pyrene	12.68	202	593675	15.196	ng	99
81) Benzo(a)anthracene	13.86	228	295889	9.212	ng	99
83) Chrysene	13.90	228	247866	7.878	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	90395	3.370	ng	# 90
88) Benzo(b)fluoranthene	14.88	252	385248	12.259	ng	98
89) Benzo(k)fluoranthene	14.88	252	385248	13.534	ng	98
90) Benzo(a)pyrene	15.22	252	191492	6.889	ng	98
92) Benzo(g,h,i)perylene	17.04	276	70464	2.959	ng	95

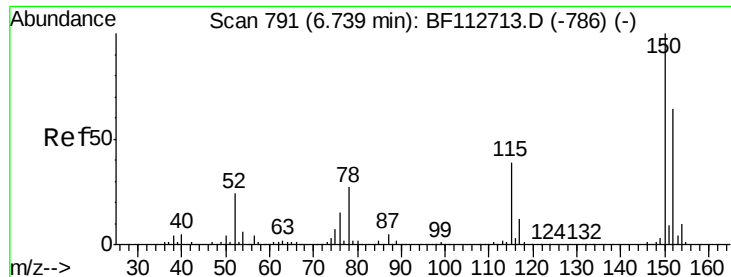
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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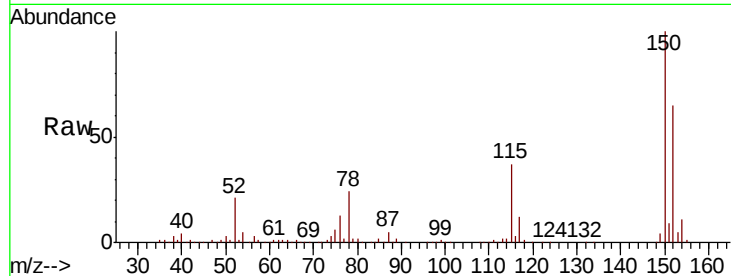


#1

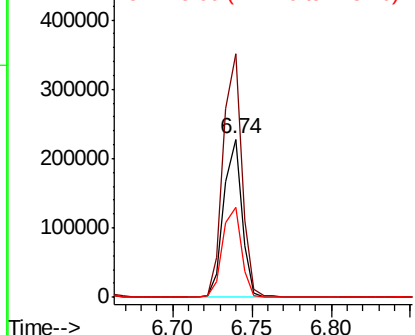
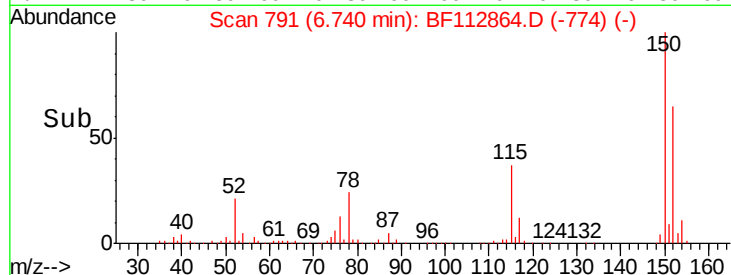
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tgt Ion:152 Resp: 182203
Ion Ratio Lower Upper
152 100
150 153.7 124.2 186.2
115 57.1 48.2 72.4



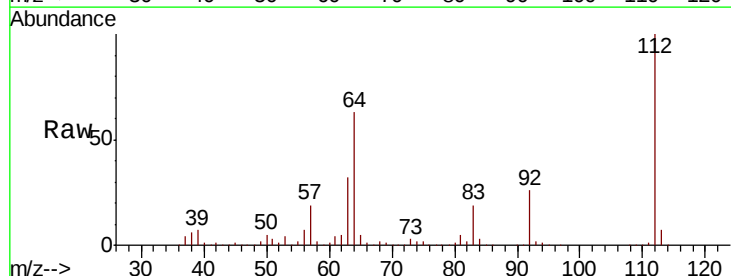
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



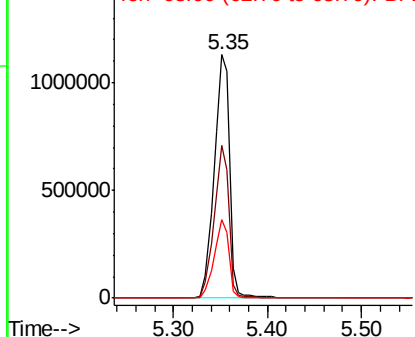
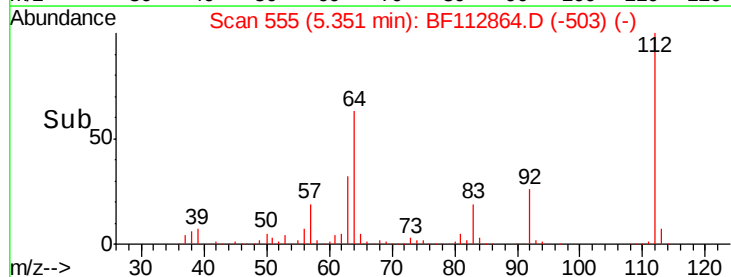
#5

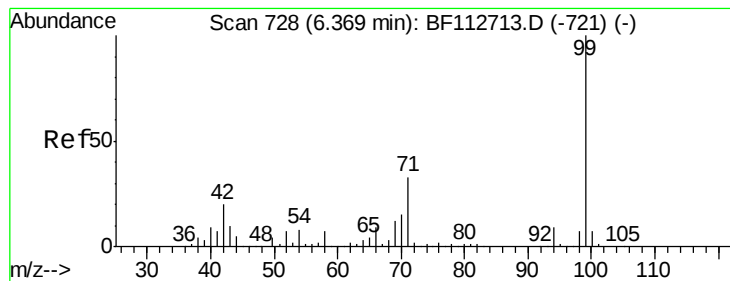
2-Fluorophenol
Concen: 111.839 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion:112 Resp: 1309983
Ion Ratio Lower Upper
112 100
64 62.5 47.6 71.4
63 32.5 24.4 36.6



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: 115.223 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

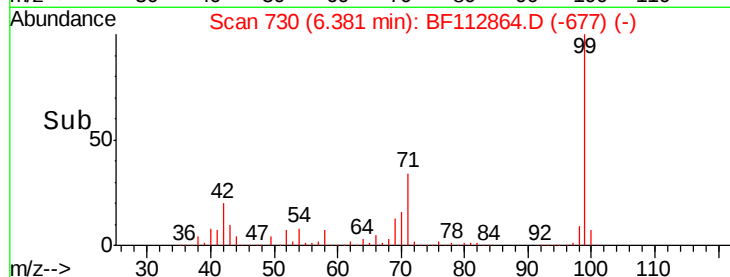
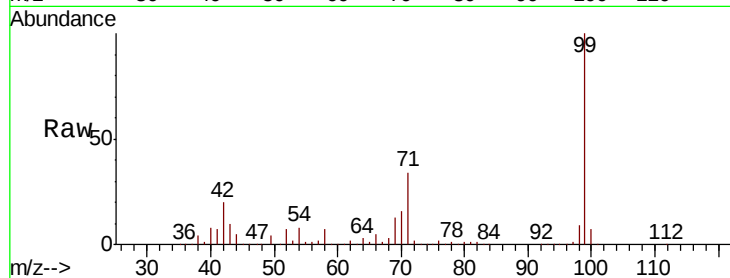
Tgt Ion: 99 Resp: 1695350

Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

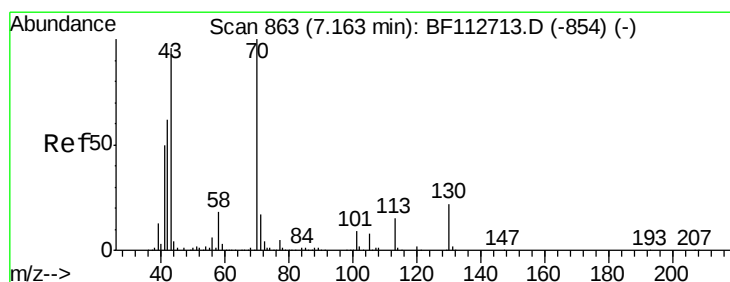
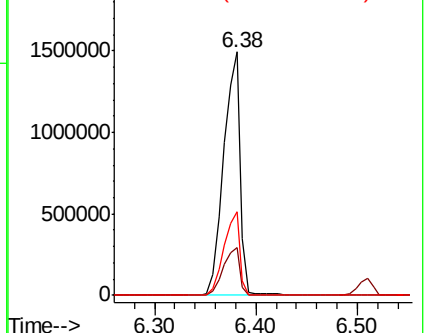
71 34.2 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.421 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Tgt Ion: 70 Resp: 143708

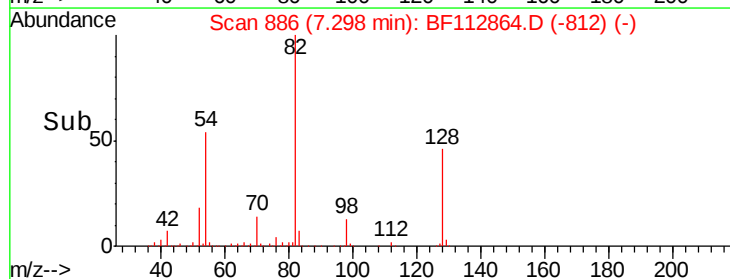
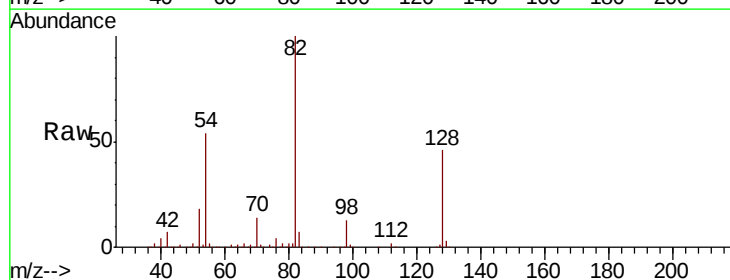
Ion Ratio Lower Upper

70 100

42 50.2 49.9 74.9

101 0.0 7.4 11.2#

130 2.1 17.4 26.2#

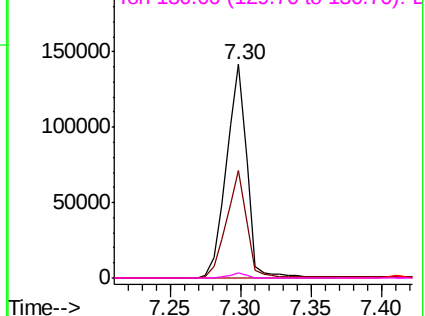


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

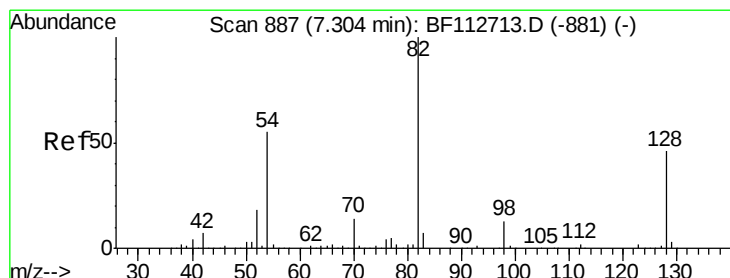
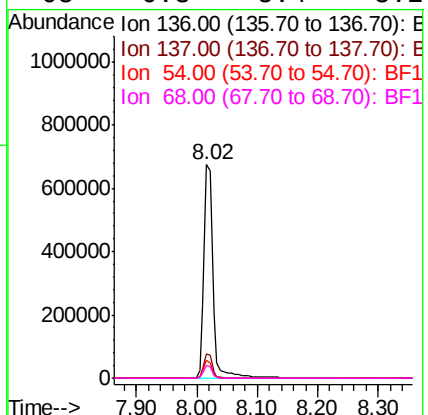
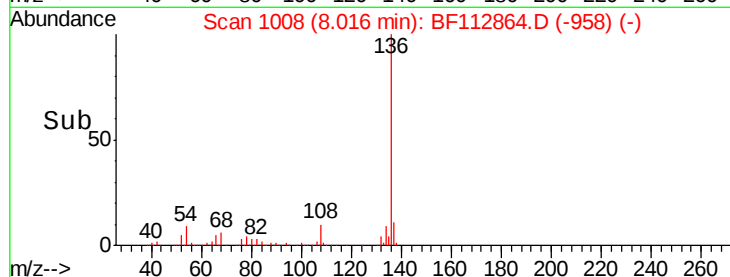
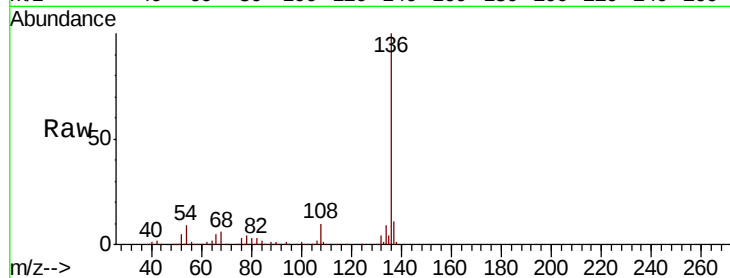




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

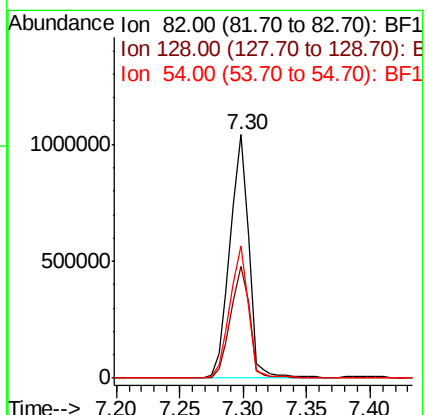
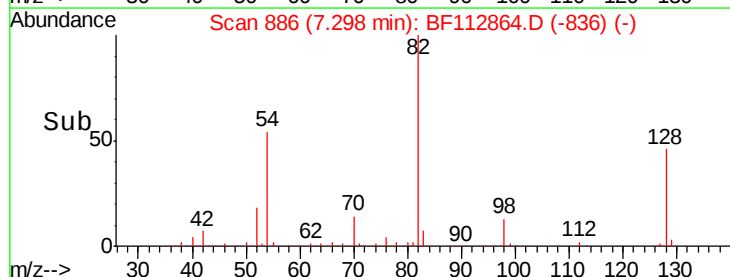
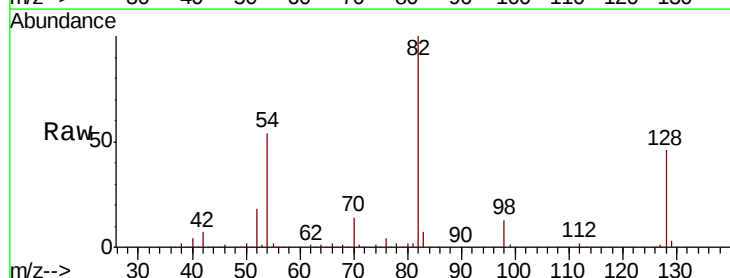
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tgt Ion:	136	Resp:	713909
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.6	7.3	10.9
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 90.411 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion:	82	Resp:	1078664
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.3	54.5
54	54.4	43.7	65.5

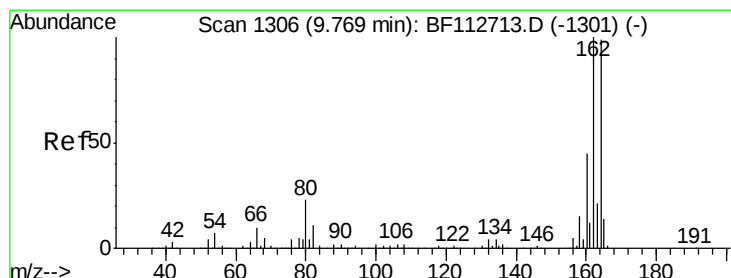
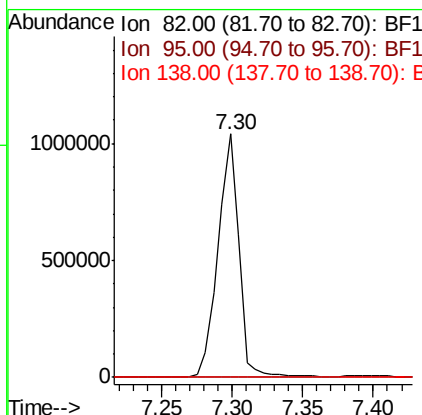
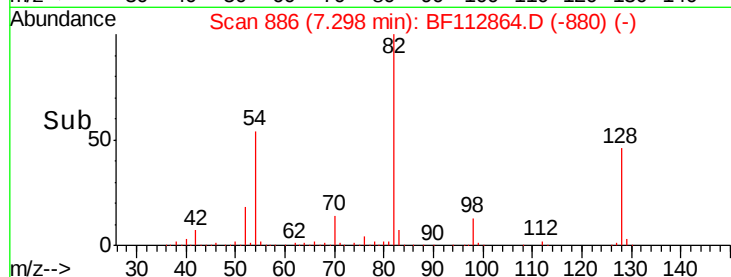
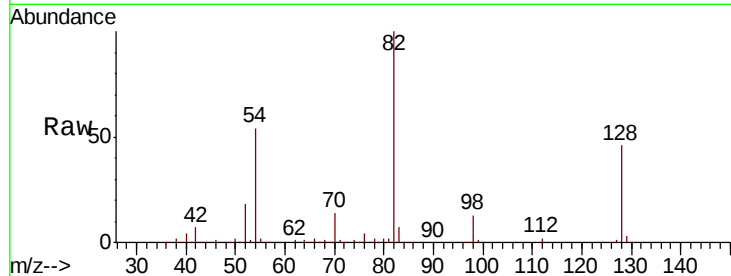




#25
Isophorone
Concen: 41.877 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

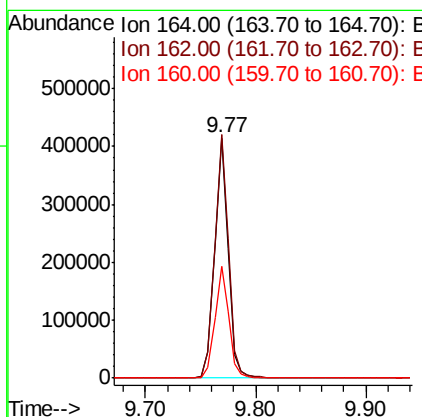
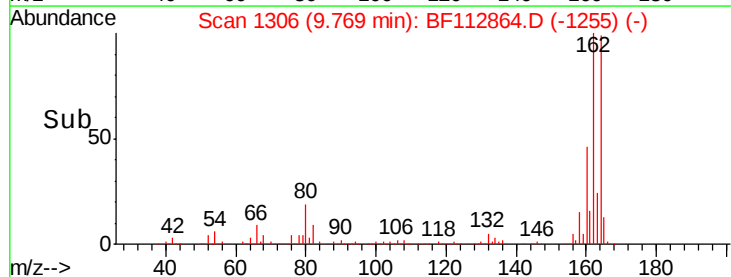
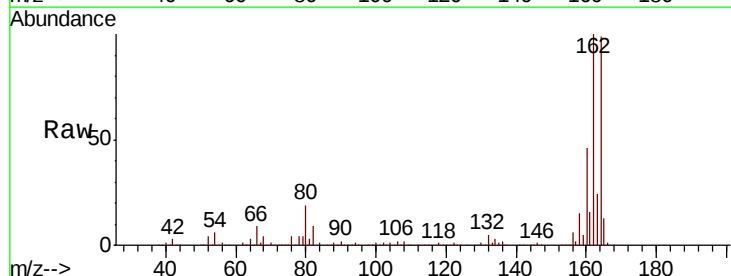
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tgt Ion: 82 Resp: 1076371
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion: 164 Resp: 349453
Ion Ratio Lower Upper
164 100
162 101.5 80.6 120.8
160 46.4 36.0 54.0

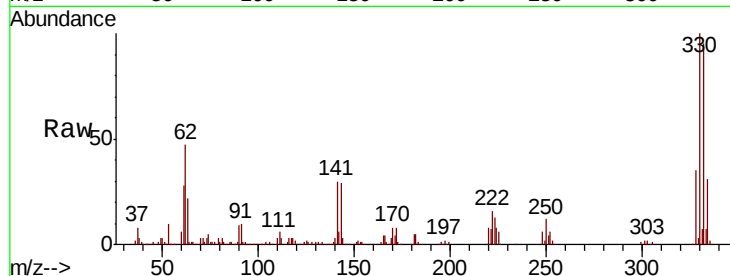




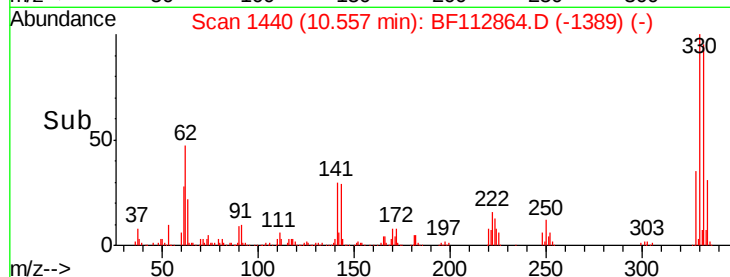
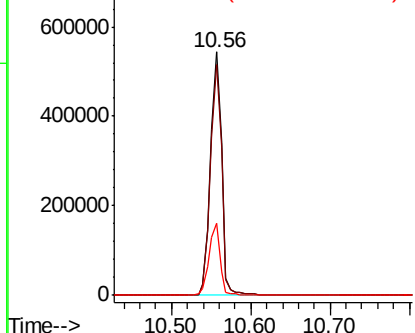
#42
 2,4,6-Tribromophenol
 Concen: 144.505 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112864.D
 Acq: 5 Mar 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Tgt Ion:330 Resp: 536096
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.2 114.4
 141 29.5 27.0 40.6

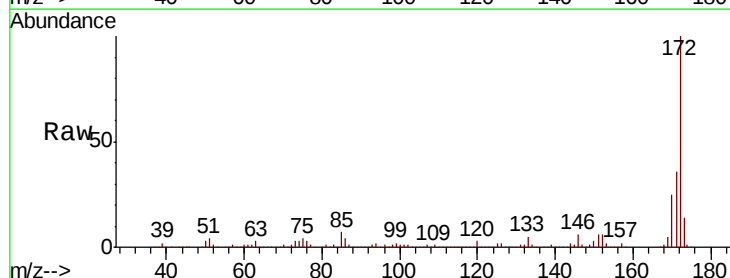


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

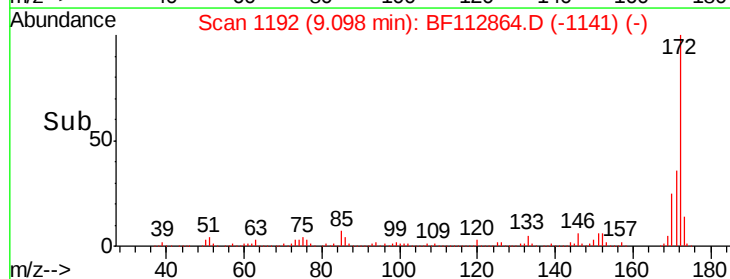
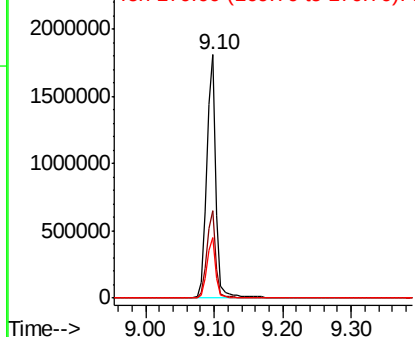


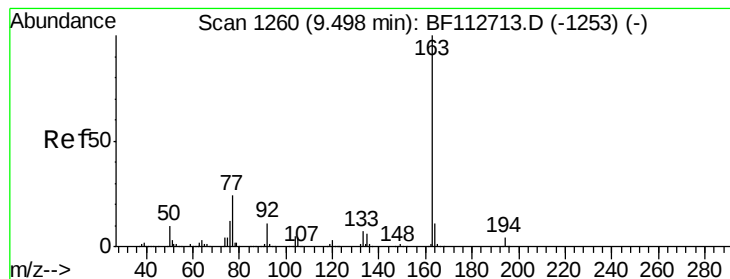
#45
 2-Fluorobiphenyl
 Concen: 81.800 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112864.D
 Acq: 5 Mar 2019 20:48

Tgt Ion:172 Resp: 1742571
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 24.7 20.0 30.0



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





#50

Dimethylphthalate

Concen: 5.875 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

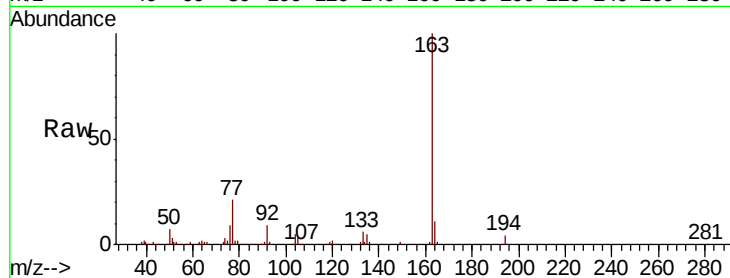
Tgt Ion:163 Resp: 151382

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

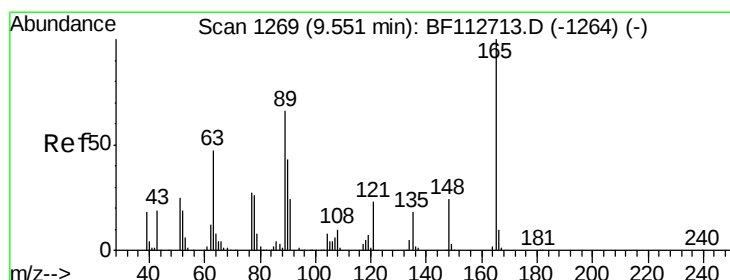
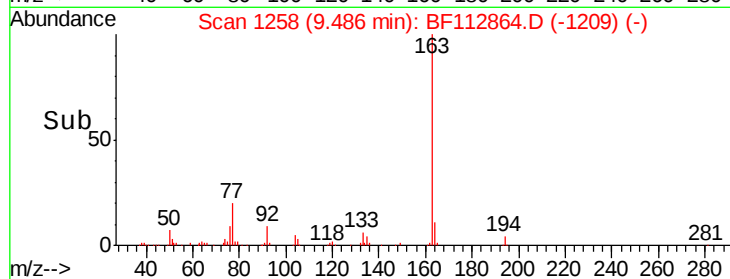
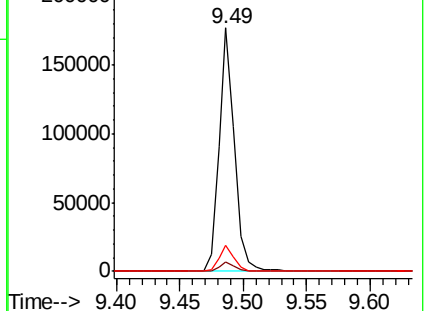
164 10.6 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.407 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

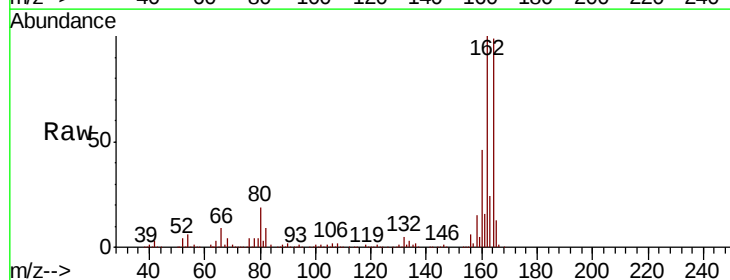
Tgt Ion:165 Resp: 45112

Ion Ratio Lower Upper

165 100

63 1.8 54.1 81.1#

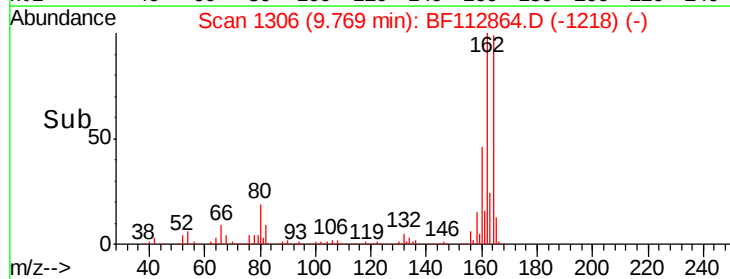
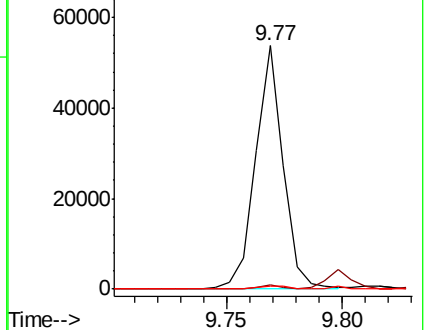
89 1.3 52.8 79.2#



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

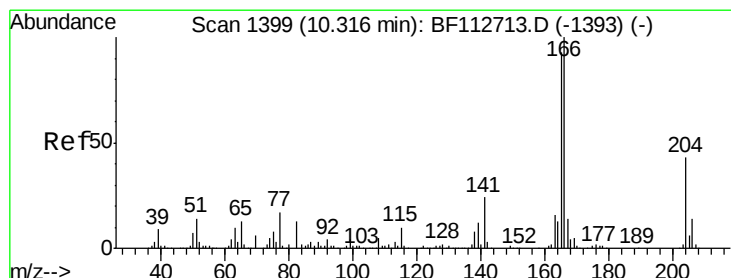
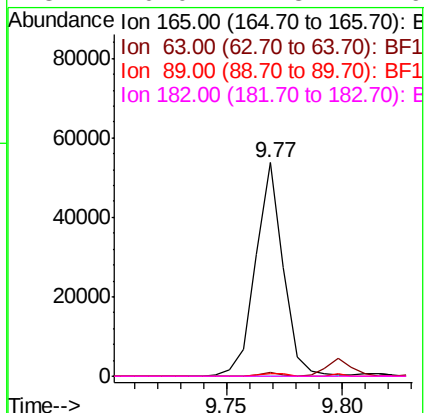
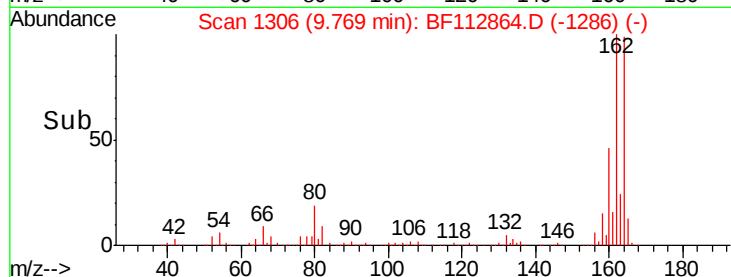
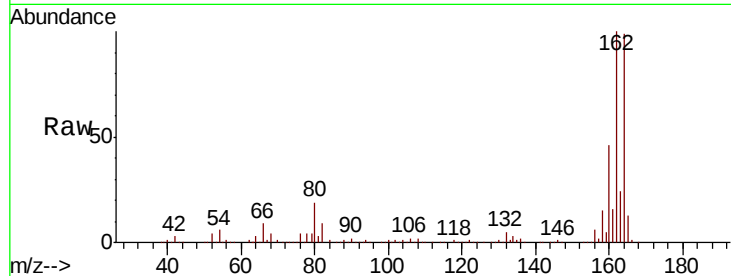




#57
2,4-Dinitrotoluene
Concen: 6.764 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

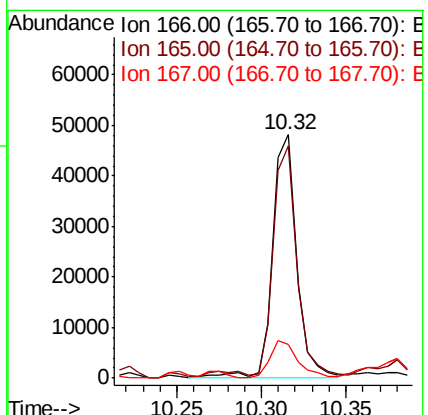
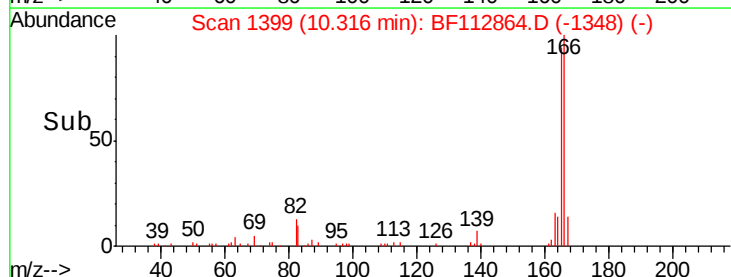
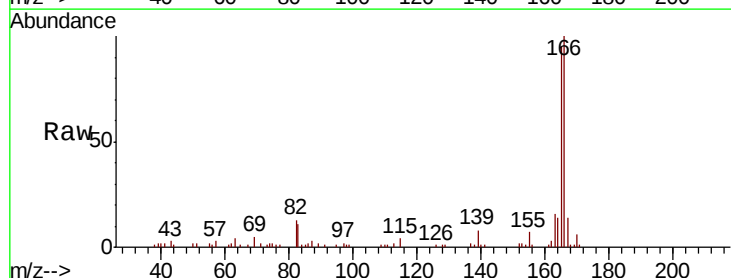
Instrument :
BNA_F
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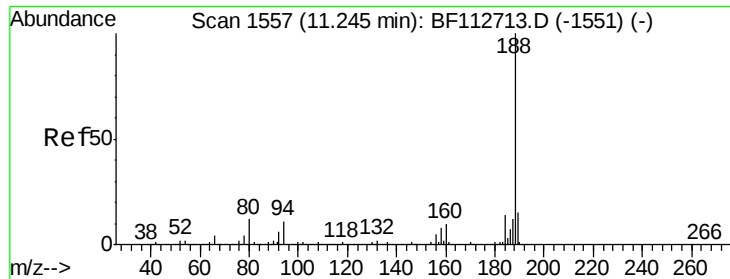
Tgt Ion:	165	Resp:	45112
Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#



#58
Fluorene
Concen: 2.091 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion:	166	Resp:	47656
Ion	Ratio	Lower	Upper
166	100		
165	95.5	74.7	112.1
167	14.1	11.0	16.6

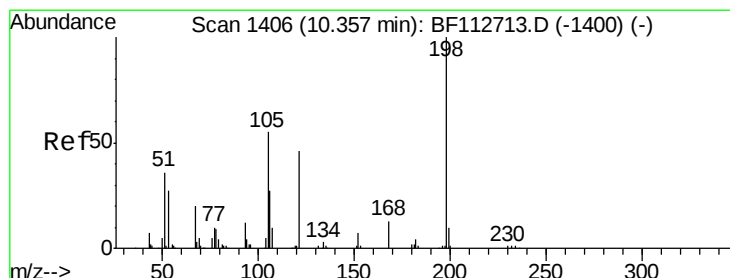
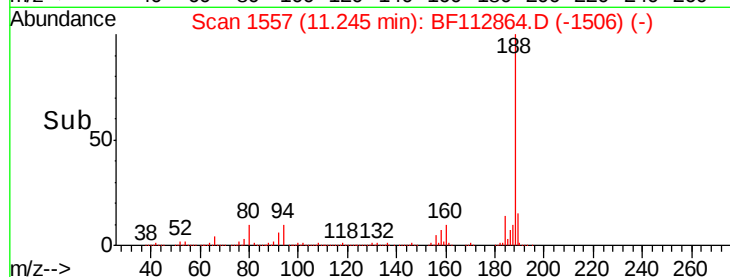
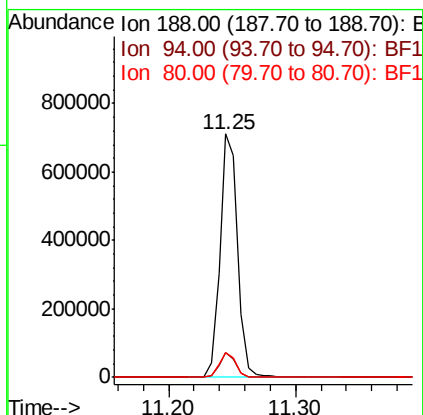
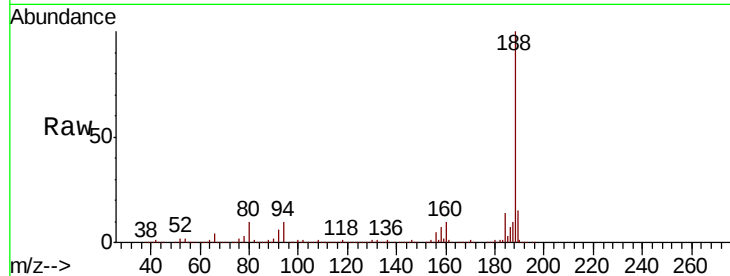




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

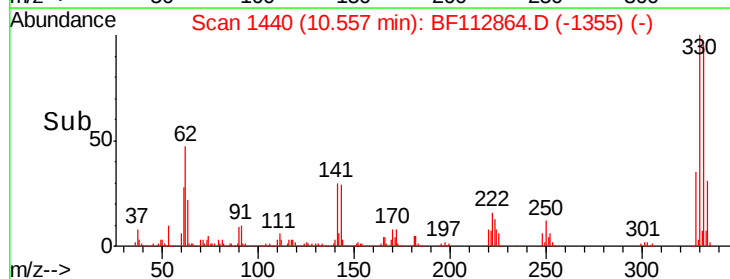
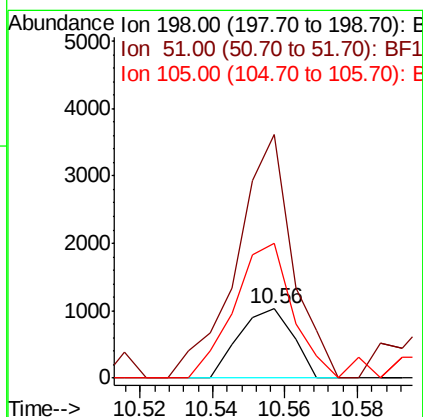
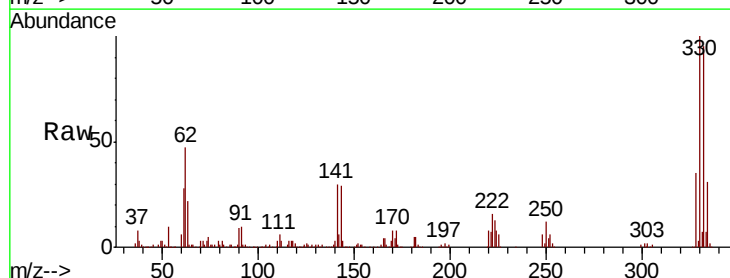
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

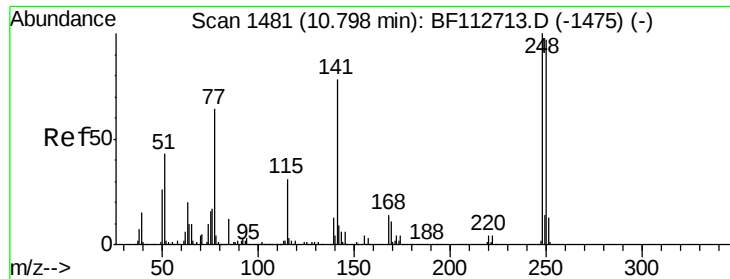
Tgt Ion:188 Resp: 689404
Ion Ratio Lower Upper
188 100
94 10.1 9.0 13.4
80 10.3 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.951 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.20 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion:198 Resp: 1061
Ion Ratio Lower Upper
198 100
51 351.8 43.8 83.8#
105 195.5 36.5 76.5#

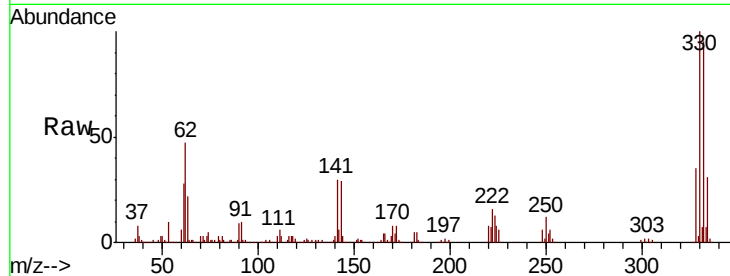




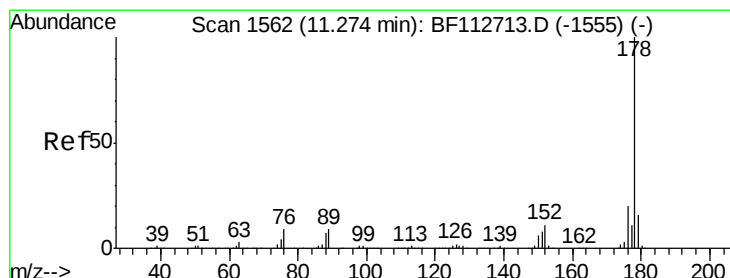
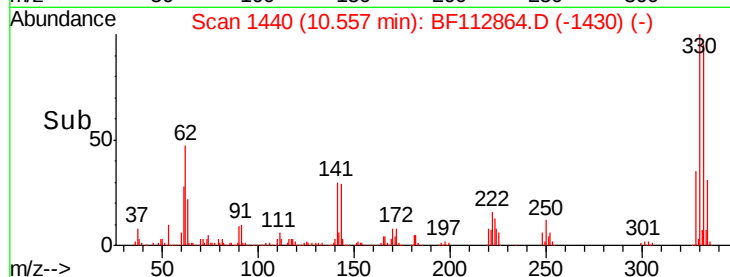
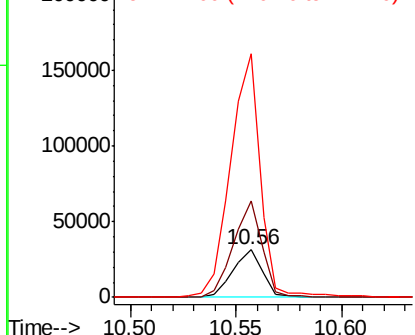
#67
 4-Bromophenyl-phenylether
 Concen: 4.184 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112864.D
 Acq: 5 Mar 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Tgt Ion:248 Resp: 30379
 Ion Ratio Lower Upper
 248 100
 250 201.9 77.5 116.3#
 141 512.8 62.4 93.6#

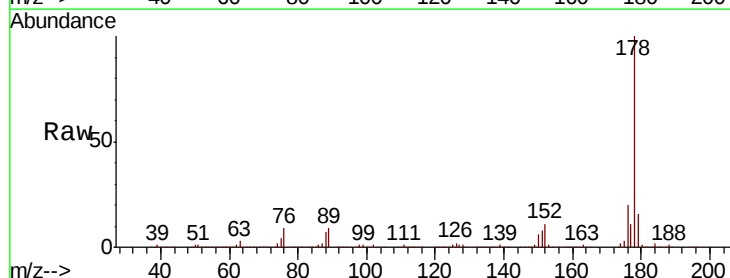


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

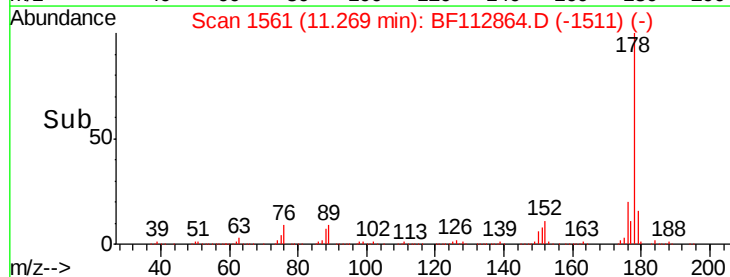
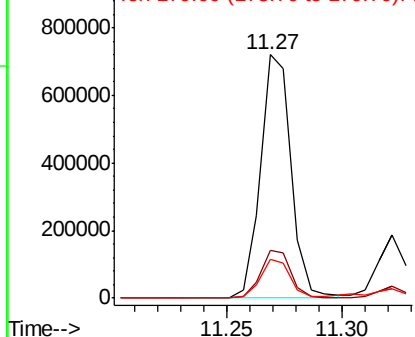


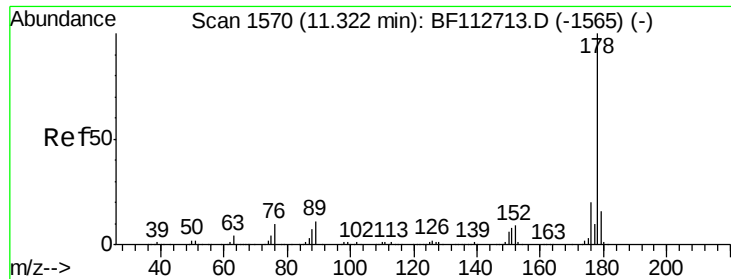
#71
 Phenanthrene
 Concen: 19.383 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF112864.D
 Acq: 5 Mar 2019 20:48

Tgt Ion:178 Resp: 664854
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.3 24.5
 179 15.7 12.7 19.1



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

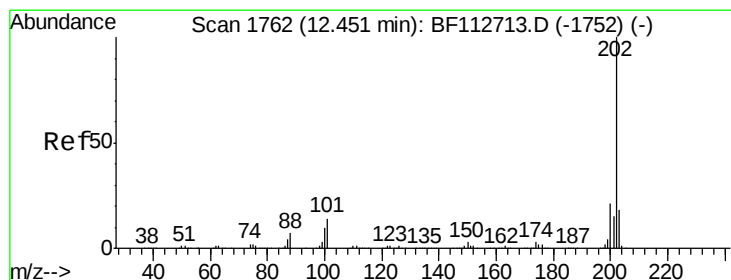
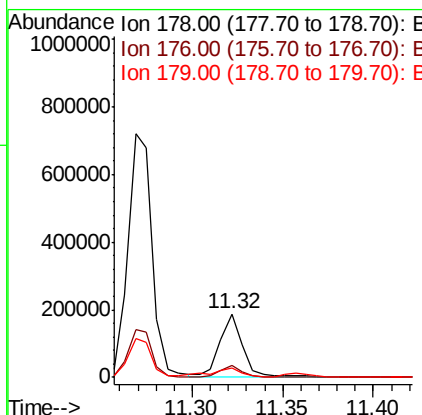
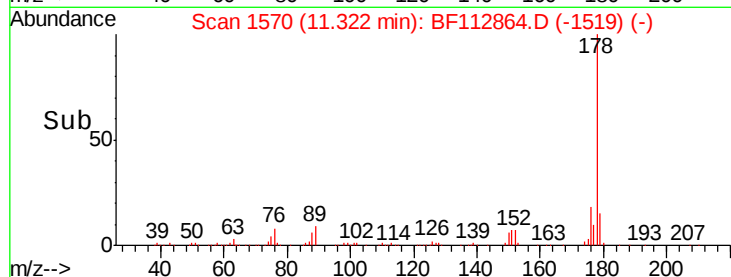
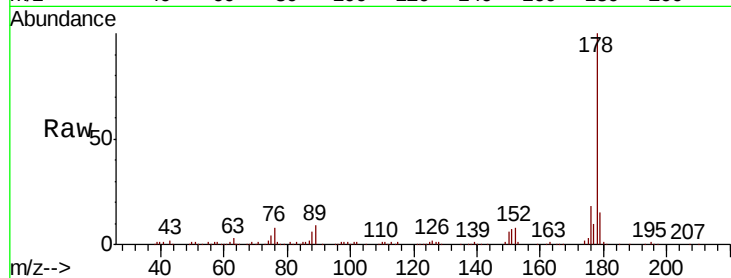




#72
 Anthracene
 Concen: 4.606 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF112864.D
 Acq: 5 Mar 2019 20:48

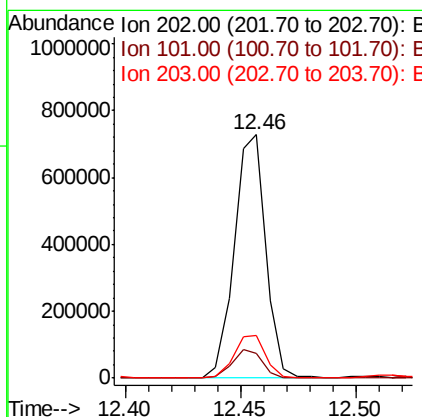
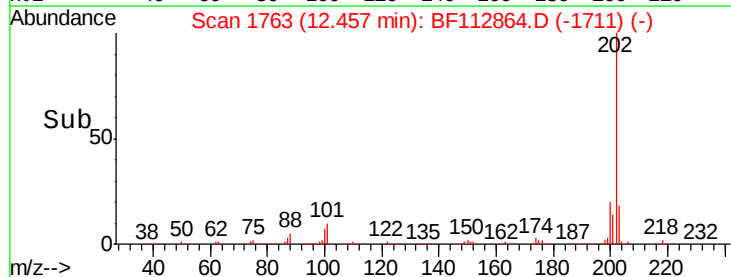
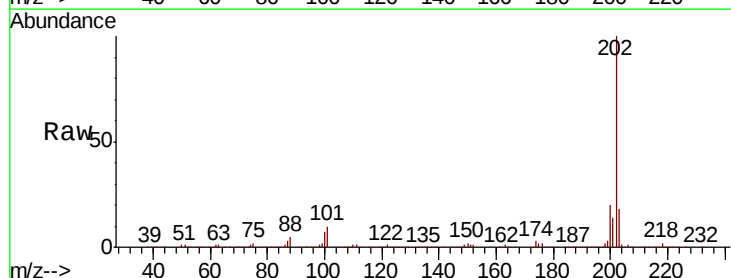
Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

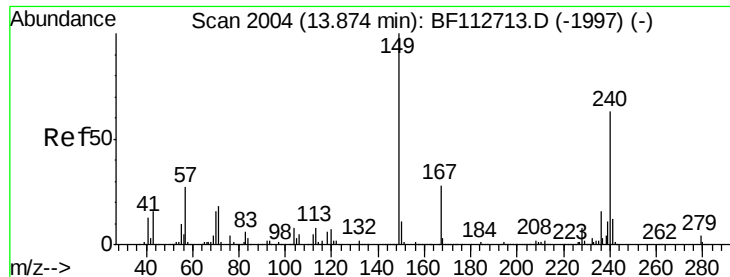
Tgt Ion:178 Resp: 165379
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.6
 179 15.3 13.0 19.6



#75
 Fluoranthene
 Concen: 18.797 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF112864.D
 Acq: 5 Mar 2019 20:48

Tgt Ion:202 Resp: 690774
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 33.8
 203 17.5 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

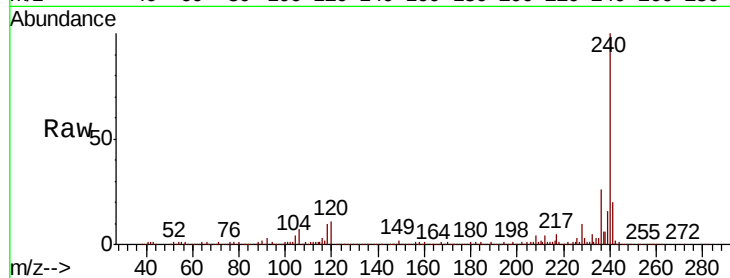
Tgt Ion:240 Resp: 463432

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

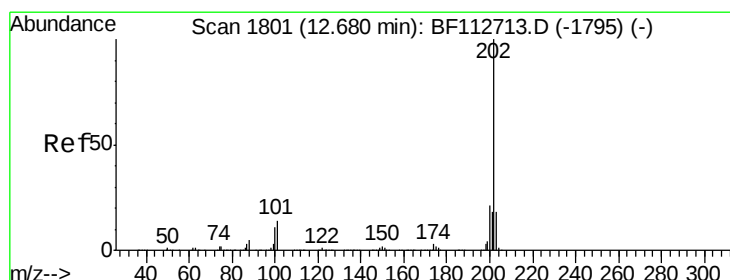
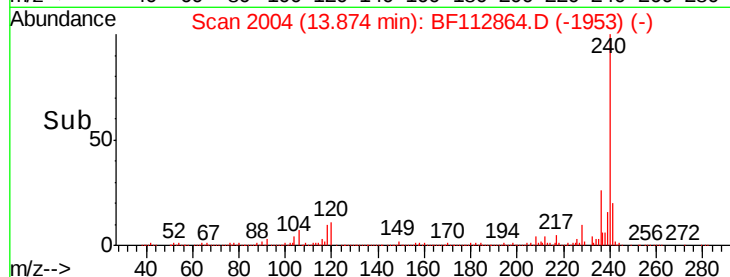
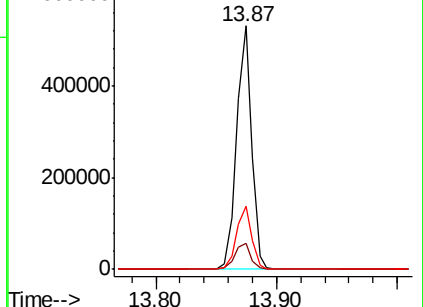
236 26.2 20.7 31.1



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: 15.196 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

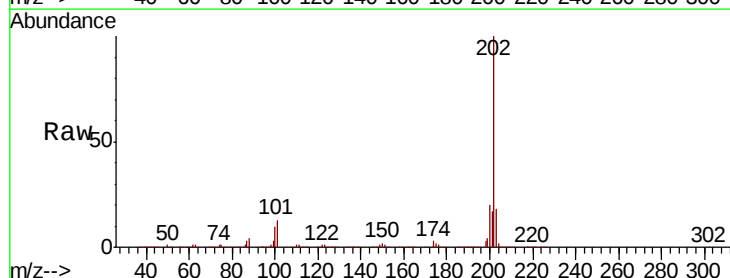
Tgt Ion:202 Resp: 593675

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

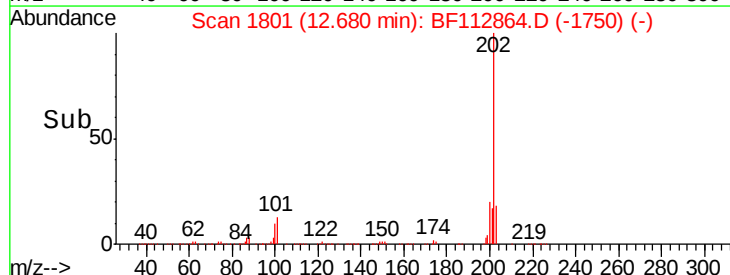
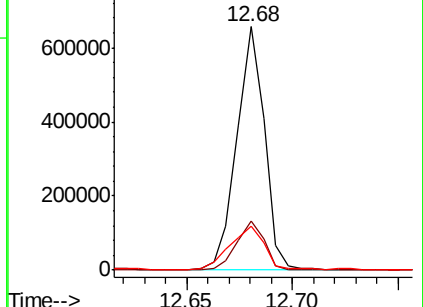
203 17.8 14.4 21.6

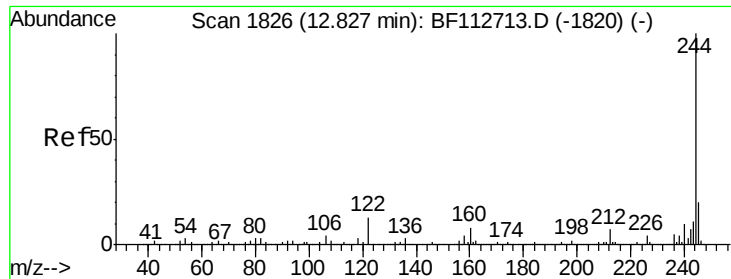


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 65.810 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

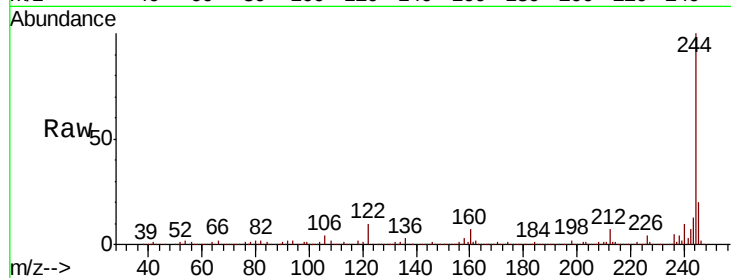
Tgt Ion:244 Resp: 1573306

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.5 10.5 15.7

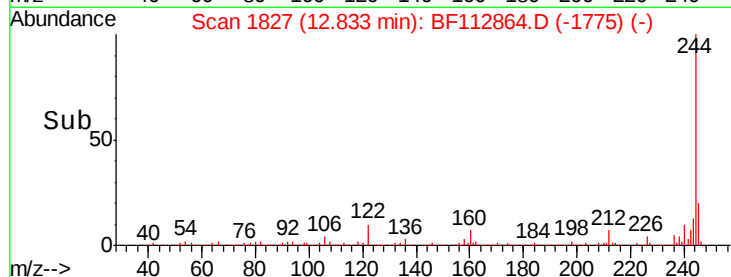


Abundance Ion 244.00 (243.70 to 244.70): E

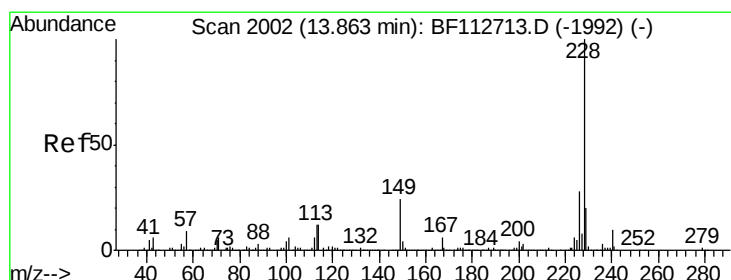
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.83



Time--> 12.75 12.80 12.85 12.90



#81

Benzo(a)anthracene

Concen: 9.212 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

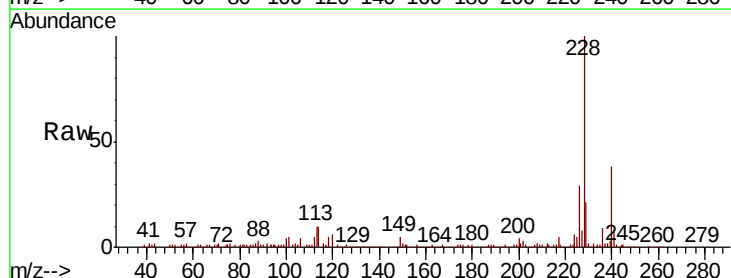
Tgt Ion:228 Resp: 295889

Ion Ratio Lower Upper

228 100

226 28.7 22.2 33.4

229 20.5 16.0 24.0

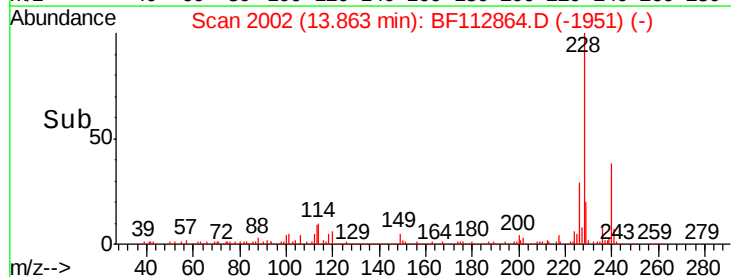


Abundance Ion 228.00 (227.70 to 228.70): E

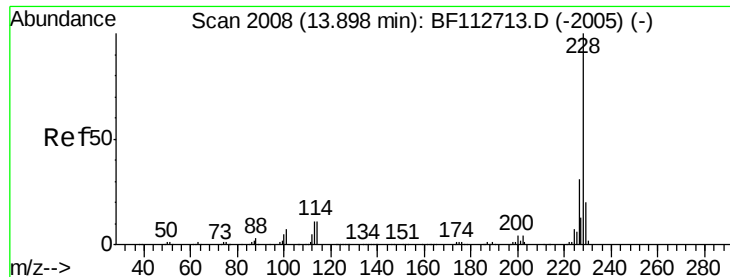
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.86



Time--> 13.85



#83

Chrysene

Concen: 7.878 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

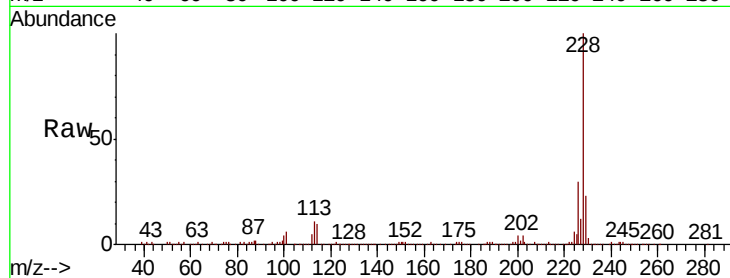
Tgt Ion:228 Resp: 247866

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

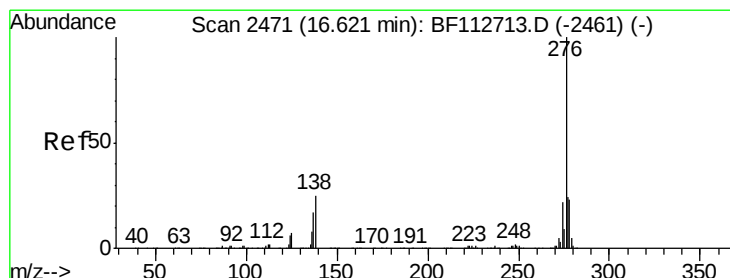
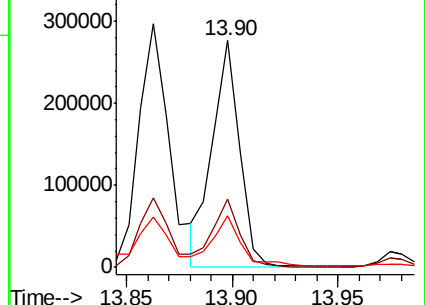
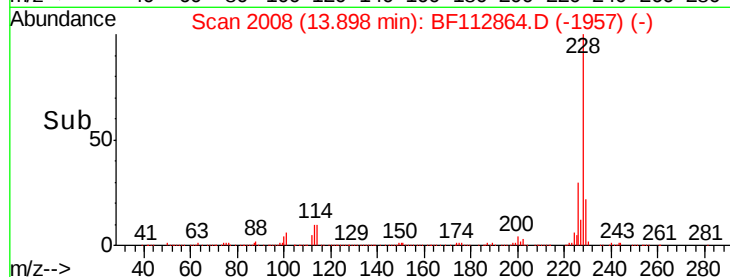
229 22.7 16.3 24.5



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.370 ng

RT: 16.64 min Scan# 2474

Delta R.T. 0.02 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

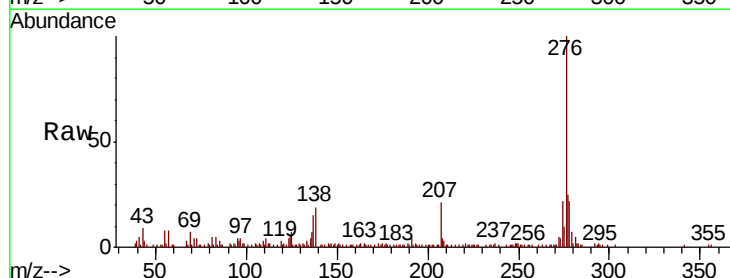
Tgt Ion:276 Resp: 90395

Ion Ratio Lower Upper

276 100

138 19.8 23.2 34.8#

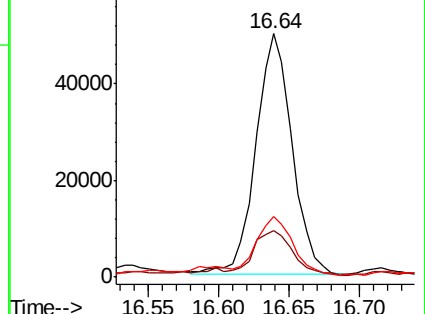
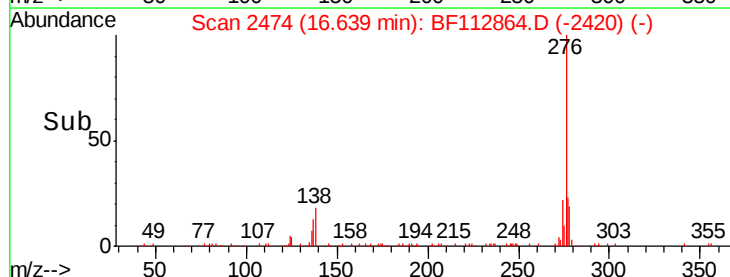
277 23.7 19.9 29.9

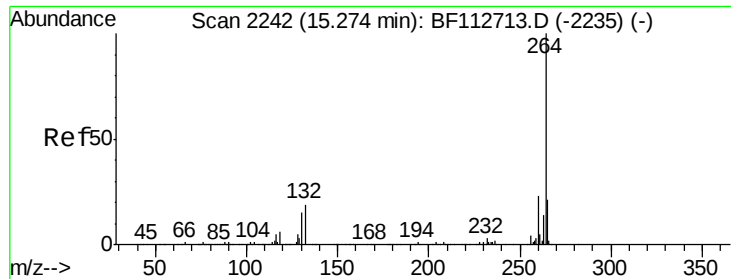


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

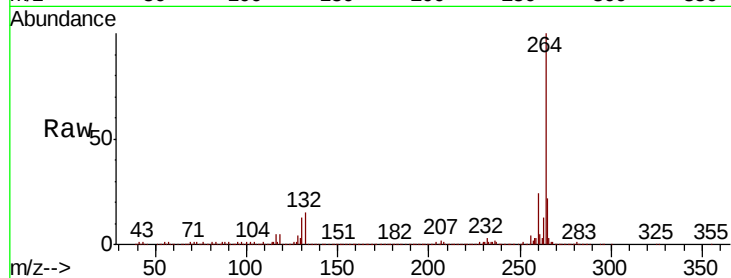
Tgt Ion:264 Resp: 485829

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.7 17.2 25.8

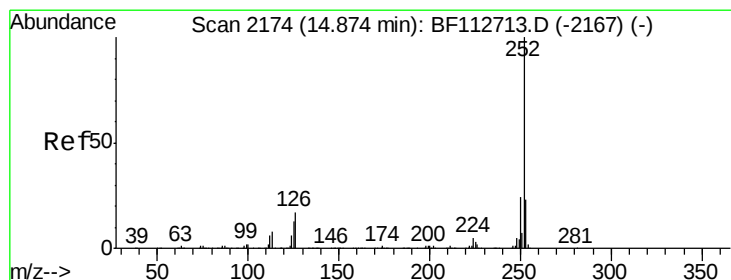
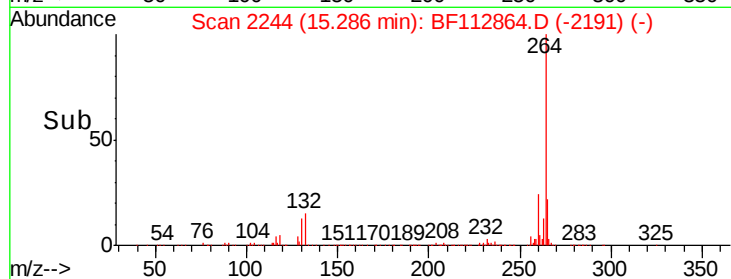
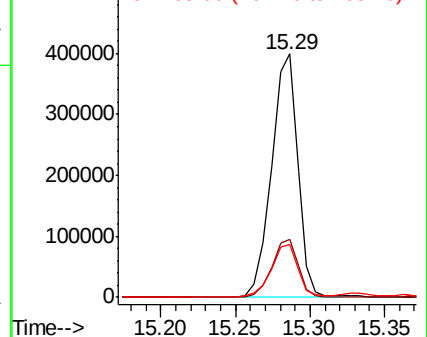


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.259 ng

RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF112864.D

Acq: 5 Mar 2019 20:48

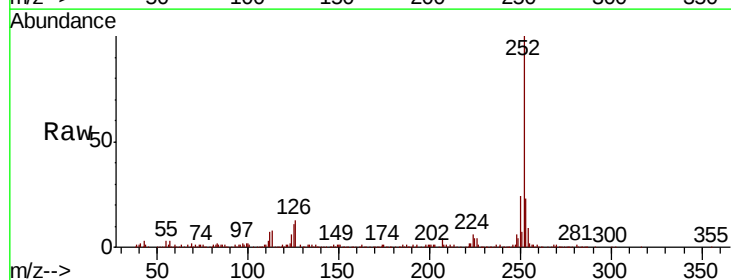
Tgt Ion:252 Resp: 385248

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 11.1 10.2 15.2

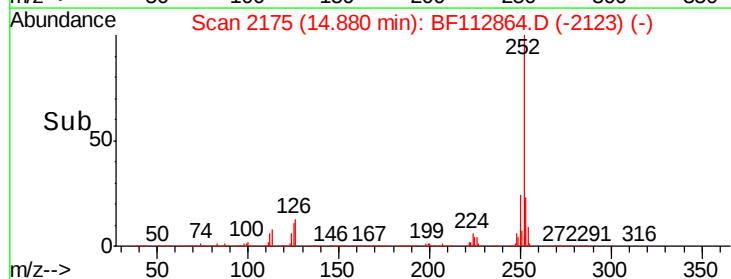
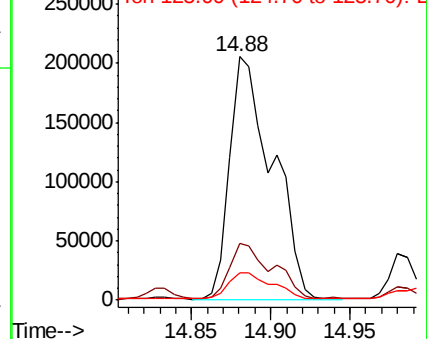


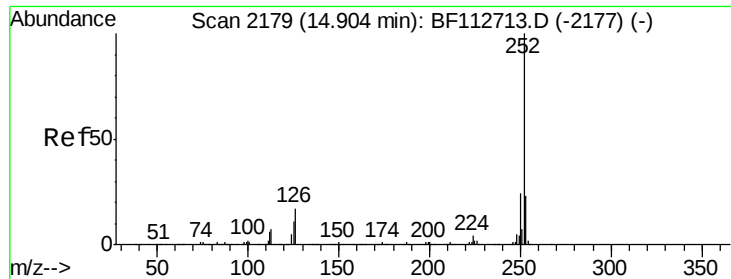
Abundance

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

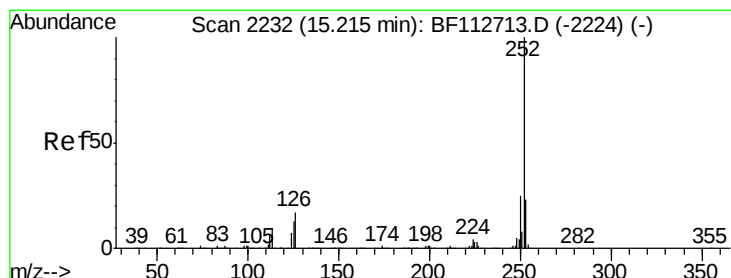
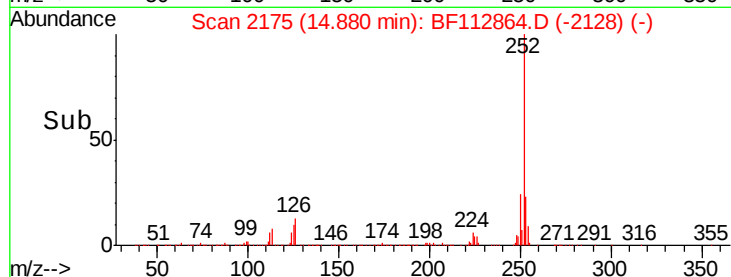
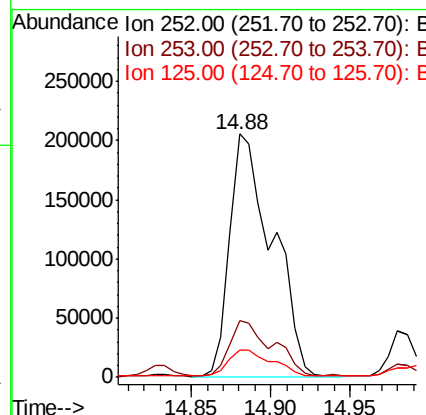
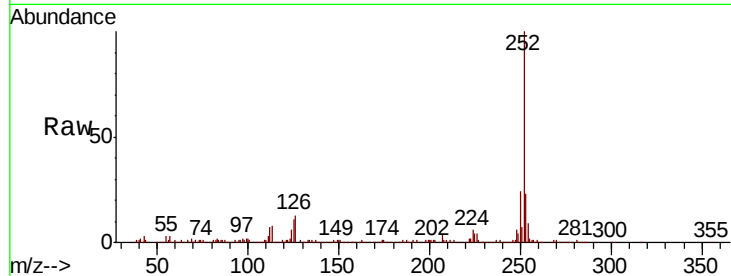




#89
Benzo(k)fluoranthene
Concen: 13.534 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

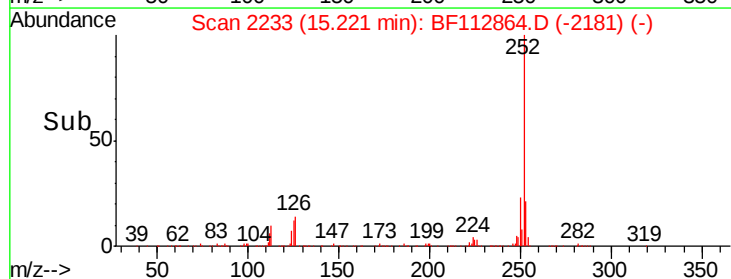
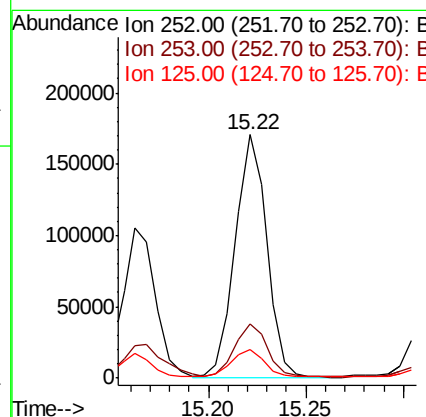
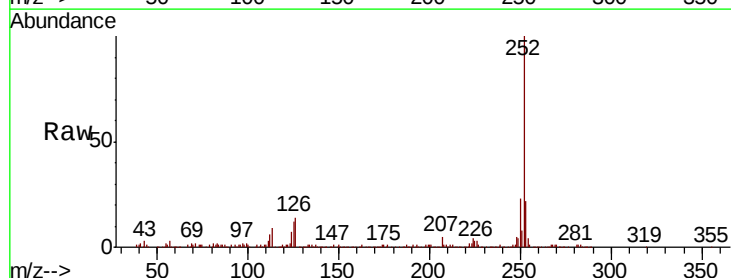
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

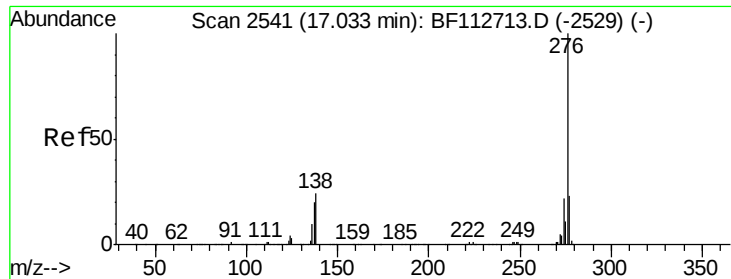
Tgt Ion:252 Resp: 385248
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 11.1 9.8 14.6



#90
Benzo(a)pyrene
Concen: 6.889 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112864.D
Acq: 5 Mar 2019 20:48

Tgt Ion:252 Resp: 191492
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 11.6 10.7 16.1





#92

Benzo(g,h,i)perylene

Concen: 2.959 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BF112864.D

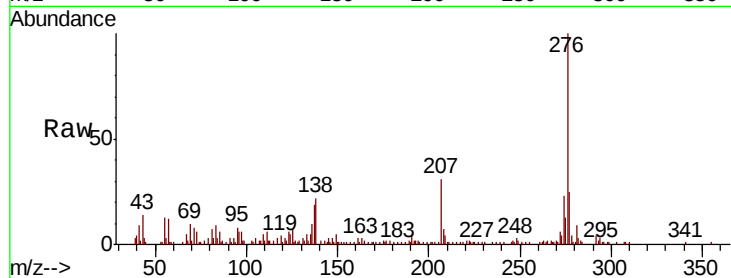
Acq: 5 Mar 2019 20:48

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719



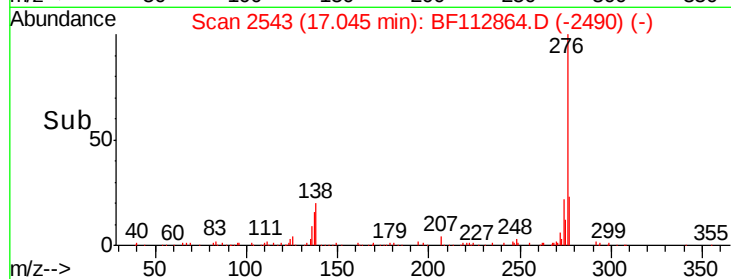
Tgt Ion: 276 Resp: 70464

Ion Ratio Lower Upper

276 100

277 25.1 18.6 27.8

138 21.6 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

