

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
 Data File : BF108351.D
 Acq On : 21 Aug 2018 21:36
 Operator : JU/SJ
 Sample : J4521-28DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245DL

Quant Time: Aug 21 23:19:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	174361	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	668637	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	313921	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	523759	20.00	ng	-0.02
75) Chrysene-d12	14.20	240	368276	20.00	ng	-0.02
86) Perylene-d12	15.75	264	347578	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	97905	10.17	ng	-0.01
7) Phenol-d6	6.61	99	133984	10.47	ng	-0.02
23) Nitrobenzene-d5	7.56	82	83800	6.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	27096	8.65	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	170624	8.73	ng	-0.02
78) Terphenyl-d14	13.12	244	127047	8.77	ng	-0.02

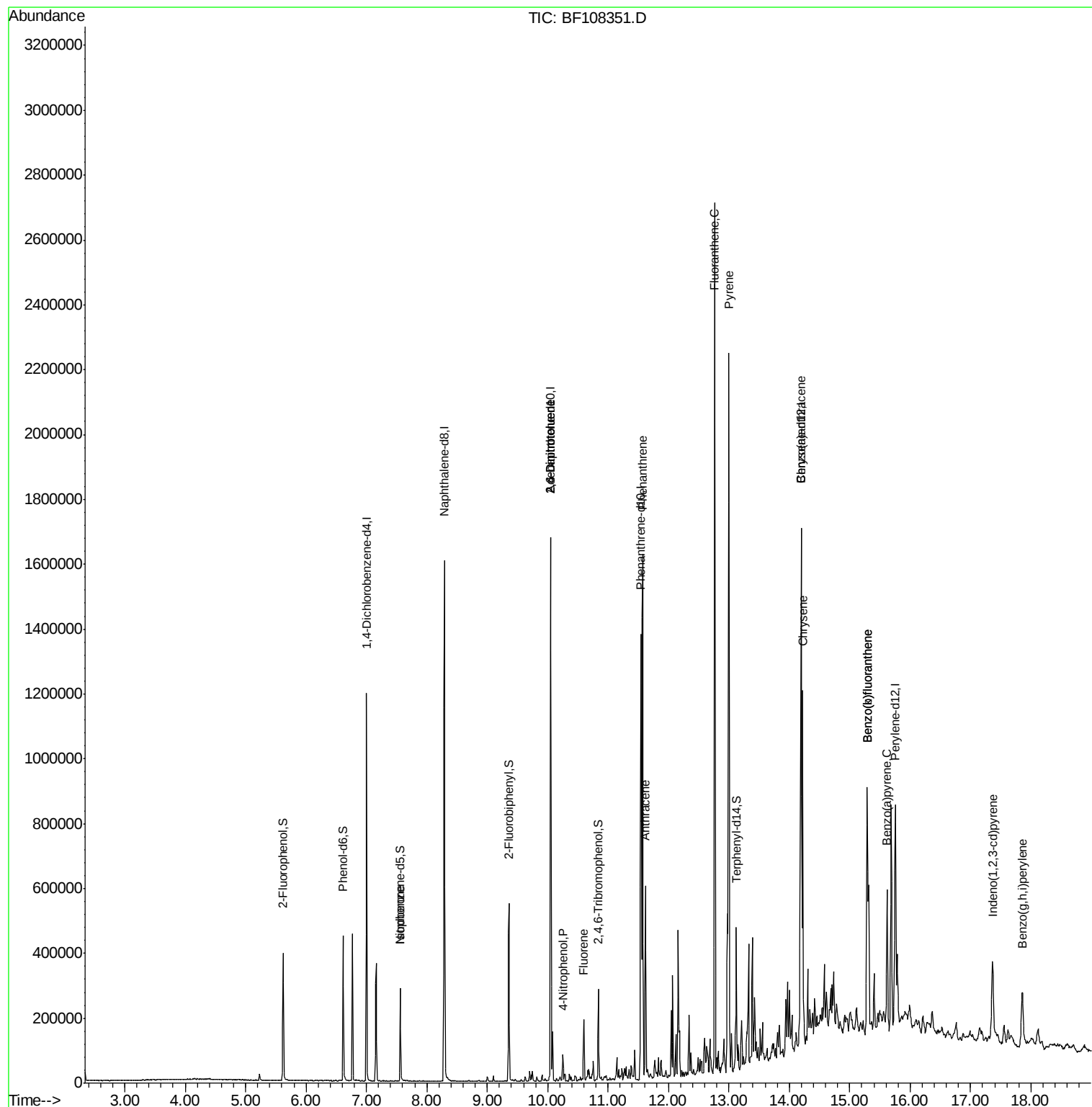
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.56	82	83798	3.669	ng	# 64
50) 2,6-Dinitrotoluene	10.05	165	40594	8.873	ng	# 26
55) 4-Nitrophenol	10.25	139	10575	2.790	ng	# 10
56) 2,4-Dinitrotoluene	10.05	165	40594	6.893	ng	# 24
57) Fluorene	10.60	166	54369	2.676	ng	99
70) Phenanthrene	11.57	178	585360	23.695	ng	99
71) Anthracene	11.62	178	218418	8.626	ng	98
74) Fluoranthene	12.77	202	1072713	39.787	ng	96
77) Pyrene	13.00	202	915797	39.278	ng	100
80) Benzo(a)anthracene	14.19	228	507677	24.020	ng	98
82) Chrysene	14.22	228	366276	18.903	ng	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	164516	9.799	ng	# 88
87) Benzo(b)fluoranthene	15.29	252	659697	31.763	ng	98
88) Benzo(k)fluoranthene	15.29	252	659697	34.554	ng	# 97
89) Benzo(a)pyrene	15.62	252	215120	11.567	ng	96
91) Benzo(g,h,i)perylene	17.85	276	139243	9.189	ng	# 87

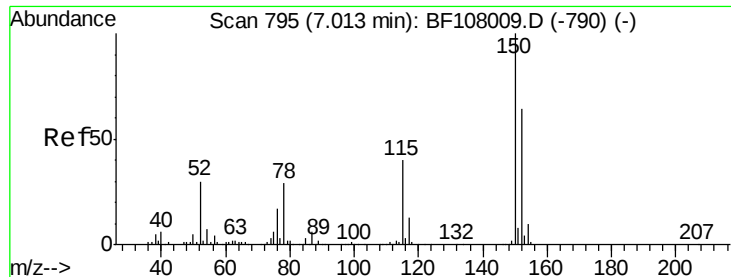
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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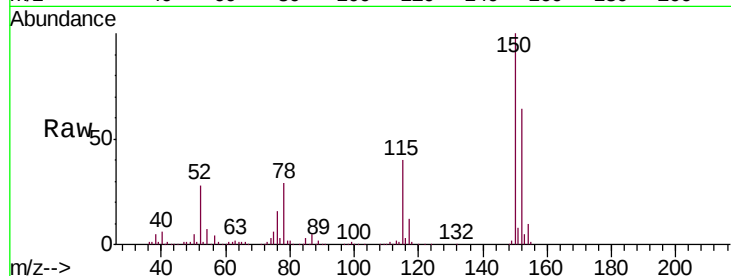


#1

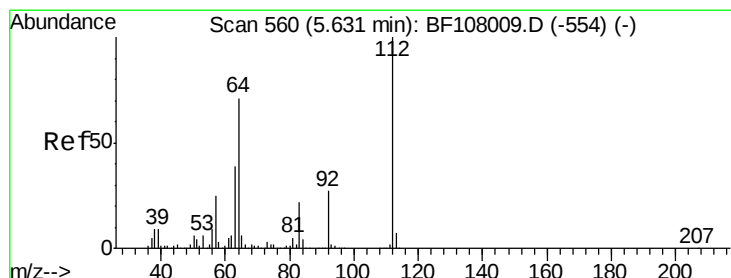
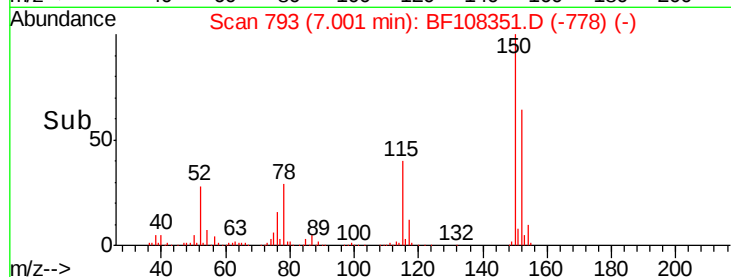
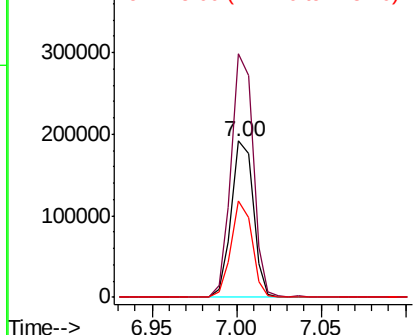
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	62.1	50.1	75.1



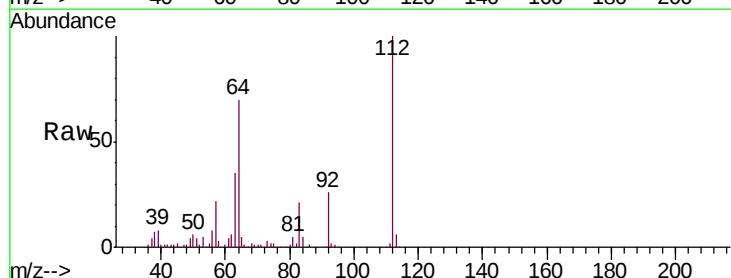
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



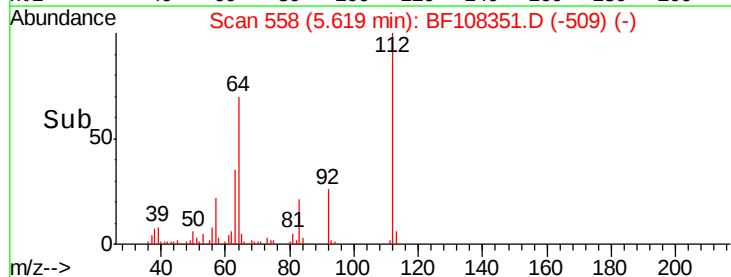
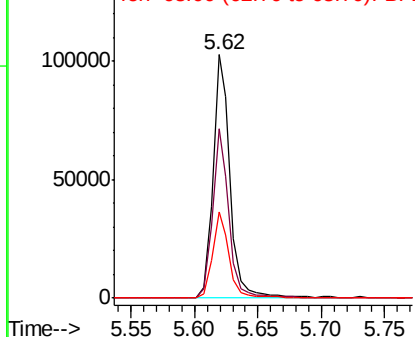
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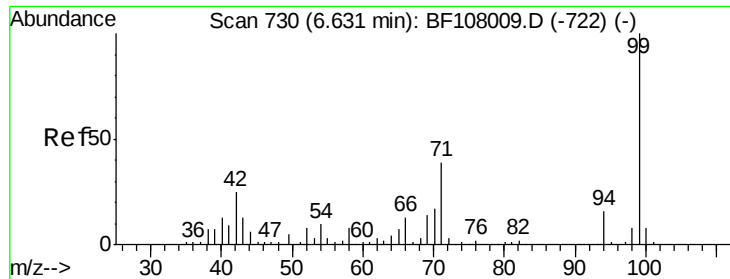
2-Fluorophenol
Concen: 10.166 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	47.9	71.9
63	35.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 10.469 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Instrument :

BNA_F

ClientSampleId :

CHRT-27245DL

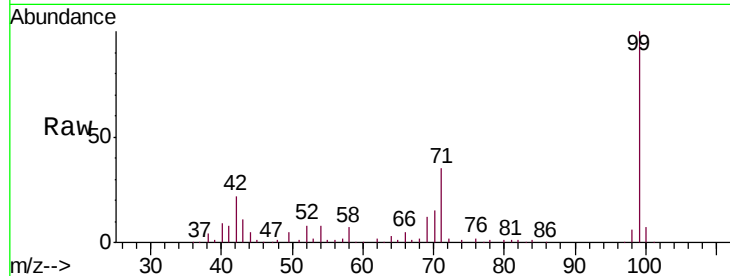
Tgt Ion: 99 Resp: 133984

Ion Ratio Lower Upper

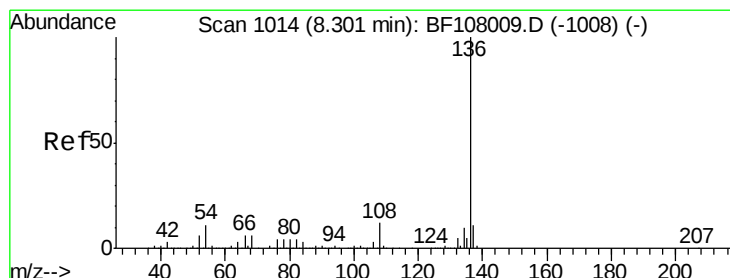
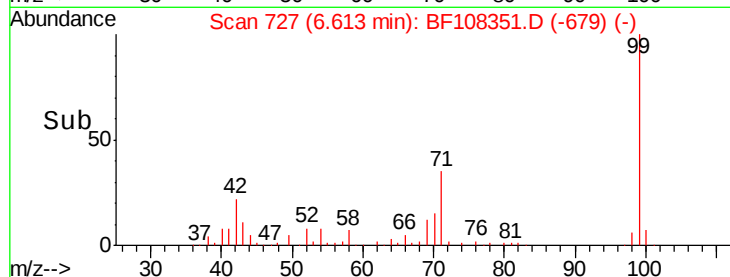
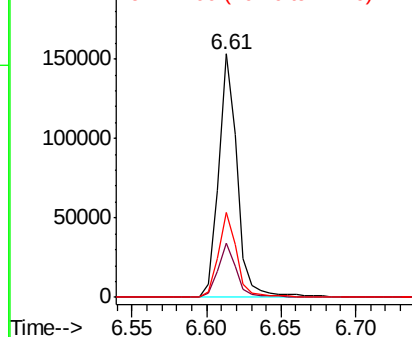
99 100

42 22.0 14.5 21.7#

71 34.6 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Tgt Ion: 136 Resp: 668637

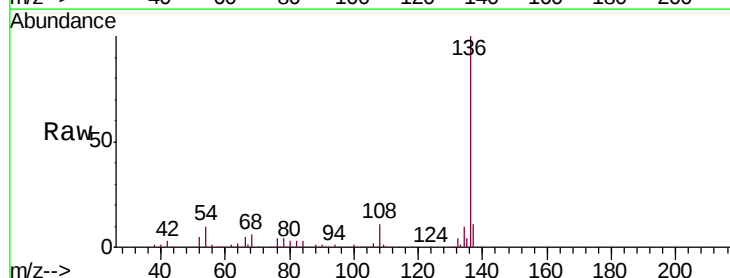
Ion Ratio Lower Upper

136 100

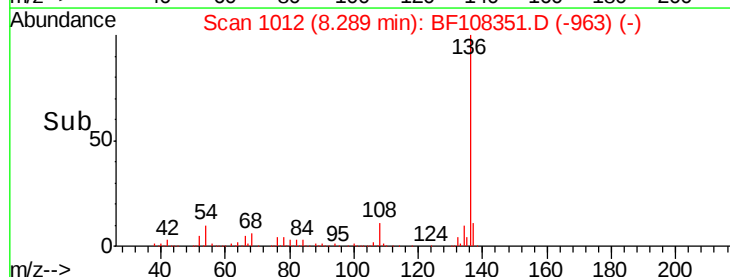
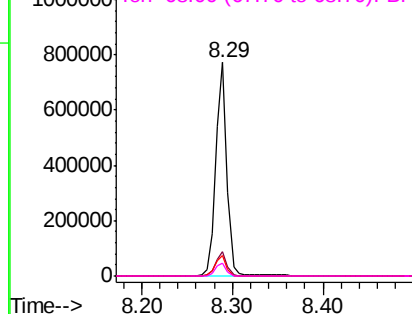
137 11.3 8.9 13.3

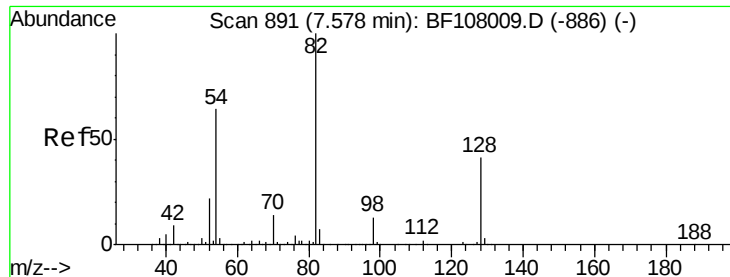
54 9.6 6.6 9.8

68 6.2 5.0 7.4



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

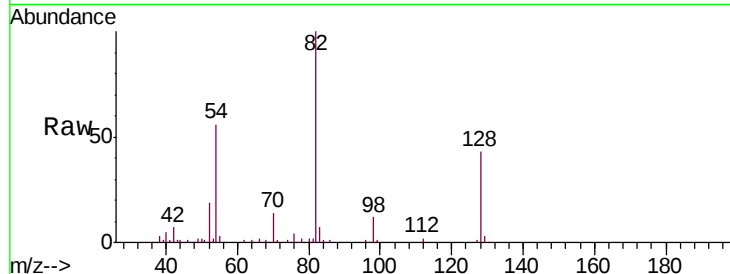




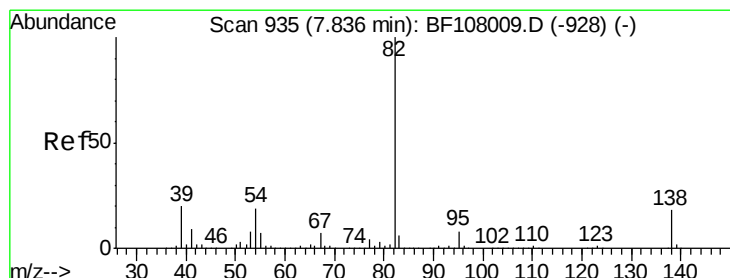
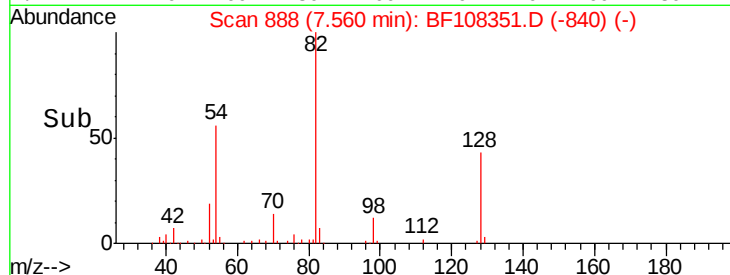
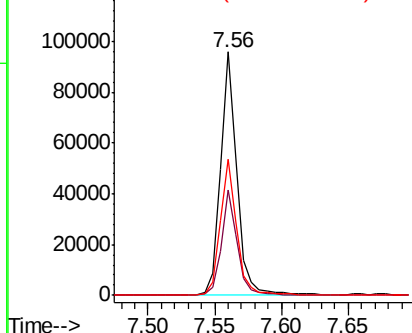
#23
Nitrobenzene-d5
Concen: 6.994 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	56.1	41.4	62.2

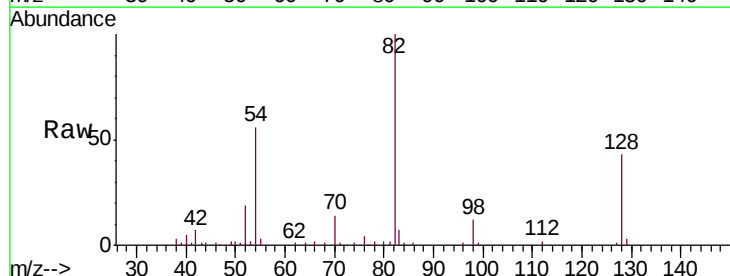


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

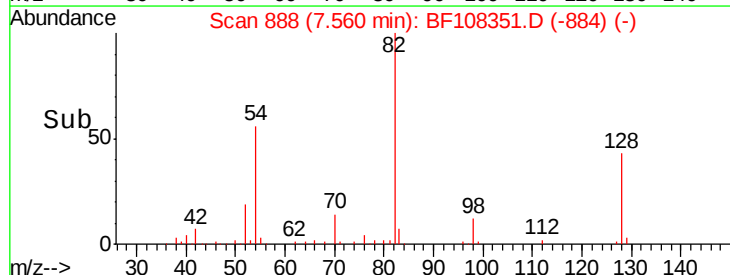
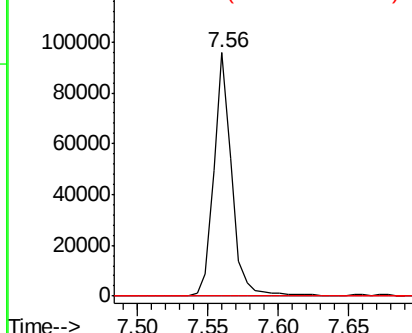


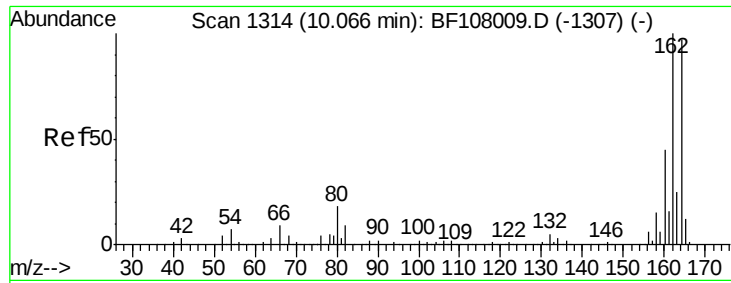
#25
Isophorone
Concen: 3.669 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.28 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

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



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

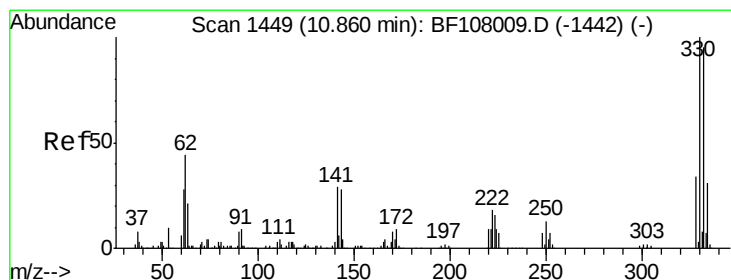
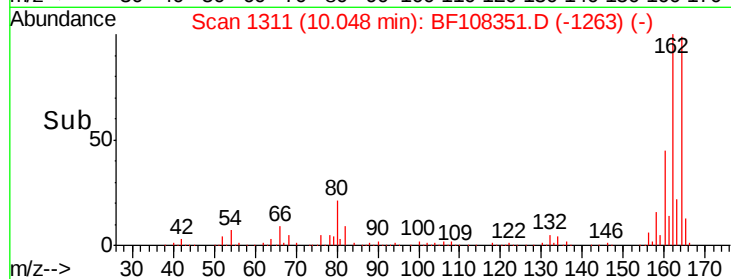
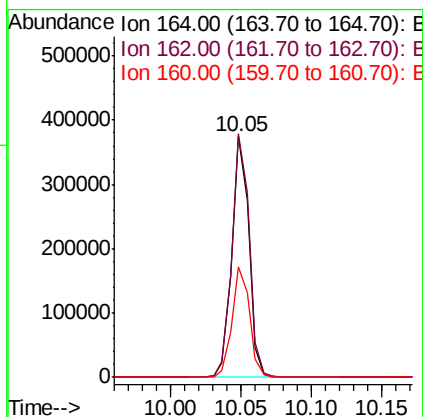
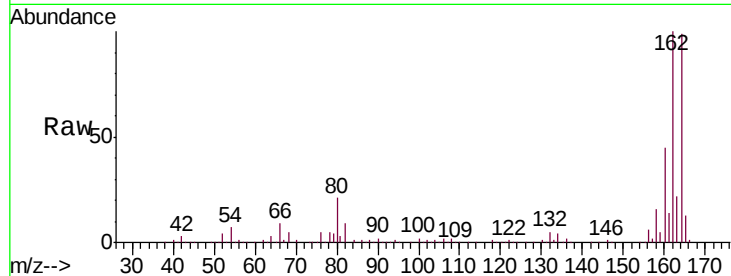




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

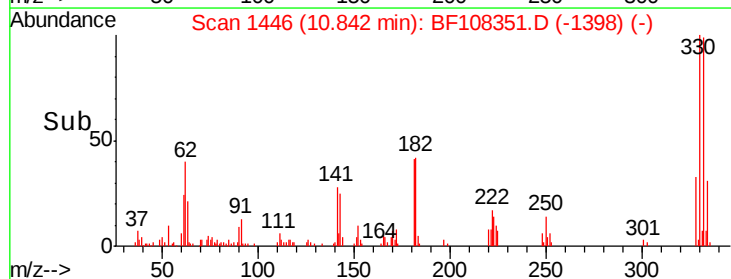
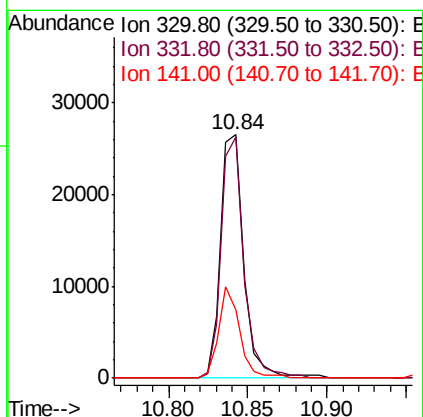
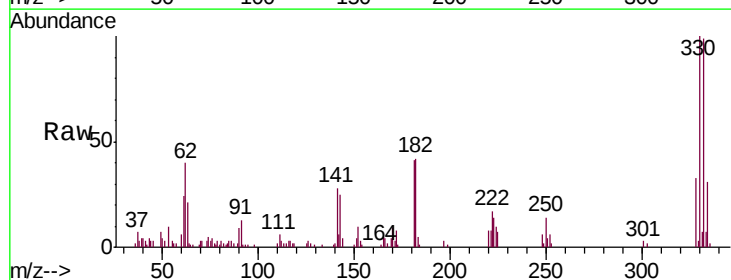
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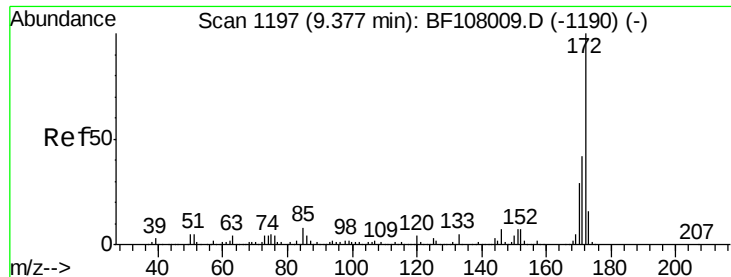
Tgt Ion:164 Resp: 313921
 Ion Ratio Lower Upper
 164 100
 162 101.2 86.1 129.1
 160 46.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 8.653 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Tgt Ion:330 Resp: 27096
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 33.7 29.9 44.9

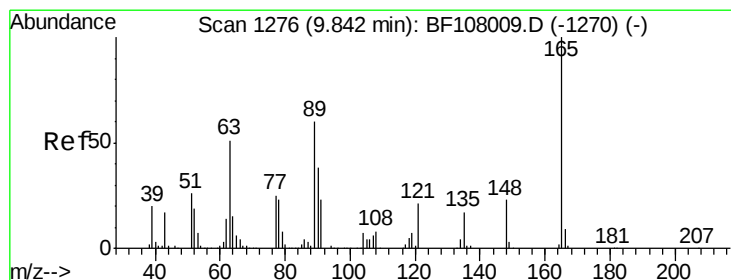
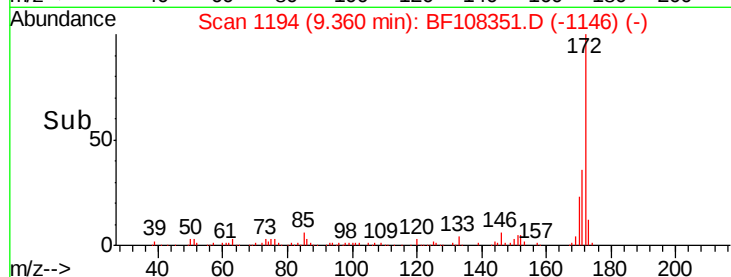
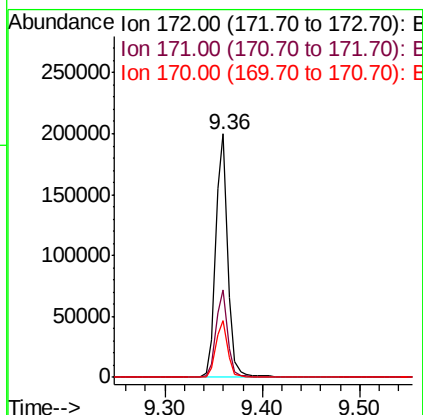
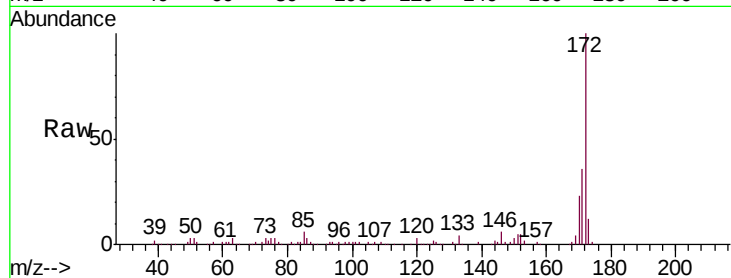




#44
 2-Fluorobiphenyl
 Concen: 8.726 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

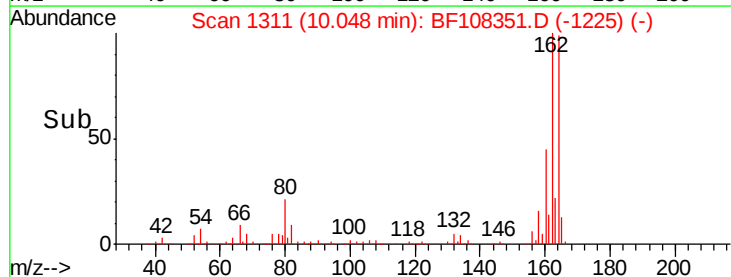
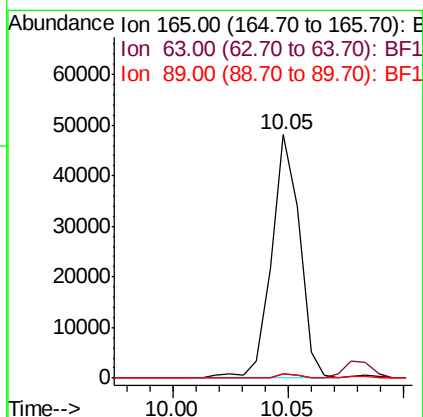
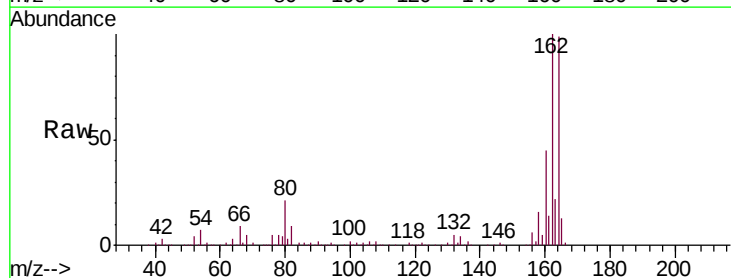
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245DL

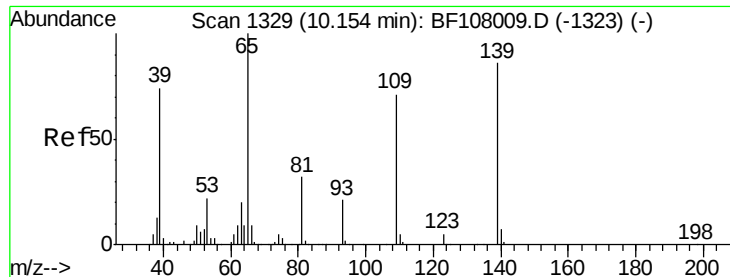
Tgt Ion:172 Resp: 170624
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.2 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.873 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Tgt Ion:165 Resp: 40594
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.7 67.1#
 89 1.8 44.0 66.0#

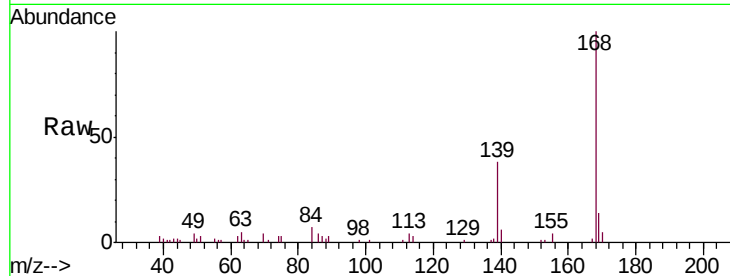




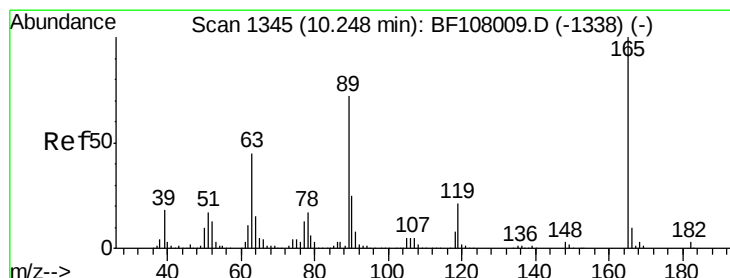
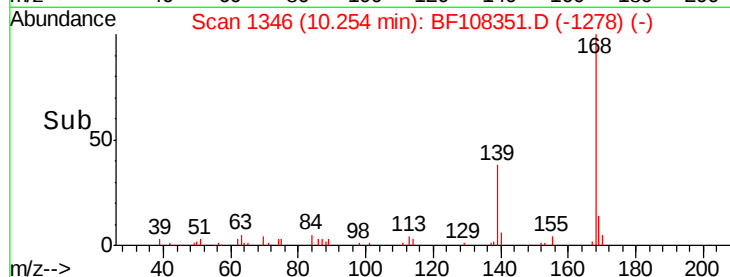
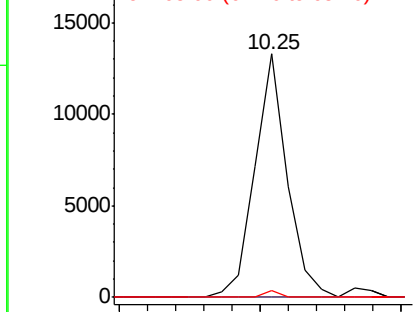
#55
4-Nitrophenol
Concen: 2.790 ng
RT: 10.25 min Scan# 1346
Delta R.T. 0.10 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

Tgt Ion:139 Resp: 10575
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 2.6 72.6 112.6#

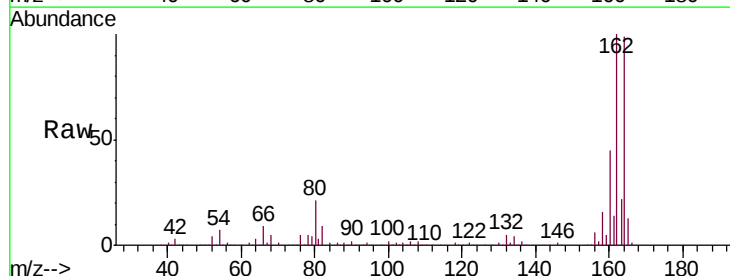


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

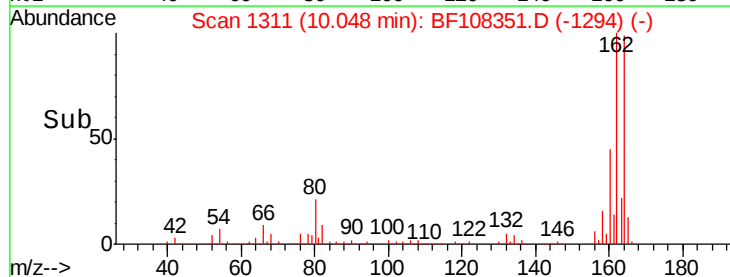
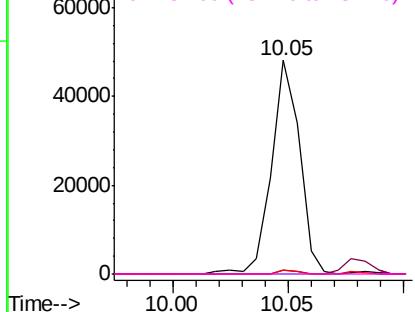


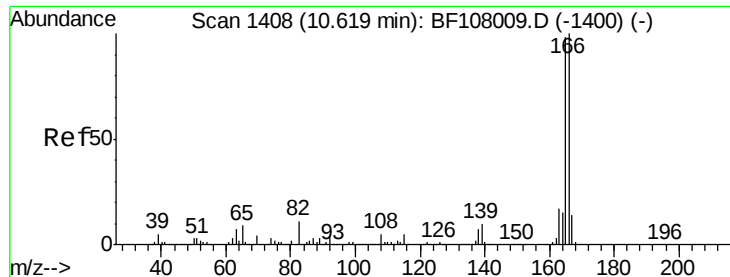
#56
2,4-Dinitrotoluene
Concen: 6.893 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.20 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion:165 Resp: 40594
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#



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

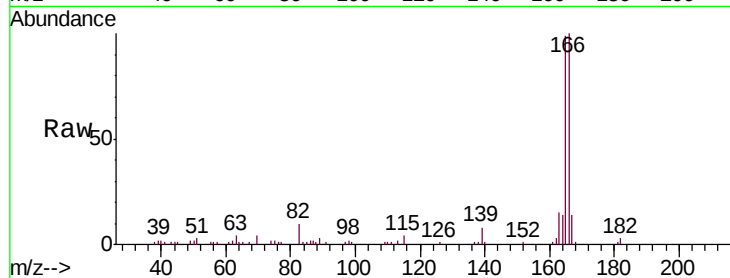




#57
 Fluorene
 Concen: 2.676 ng
 RT: 10.60 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.8
167	13.9	10.6	16.0

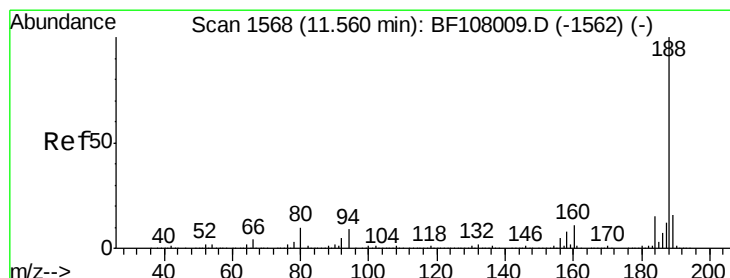
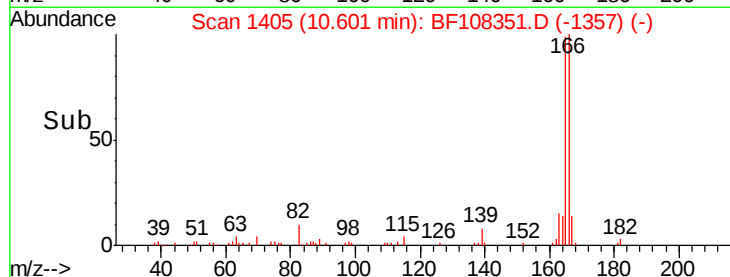
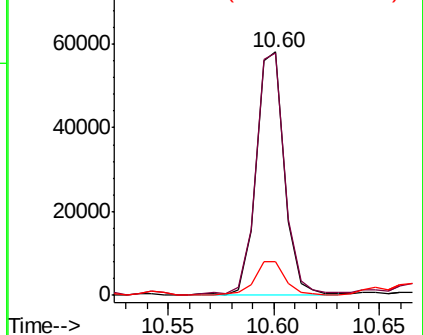


Abundance

Ion 166.00 (165.70 to 166.70): E

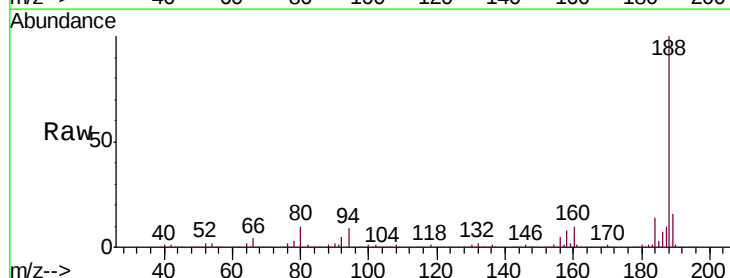
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	10.4	9.2	13.8

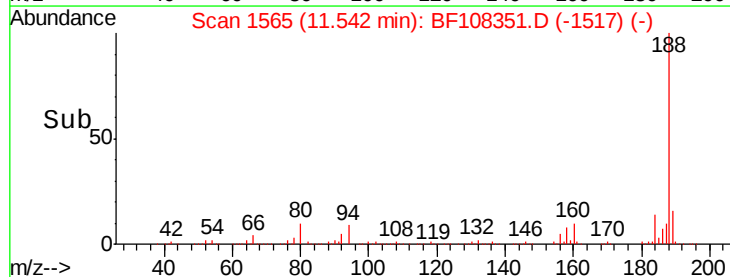
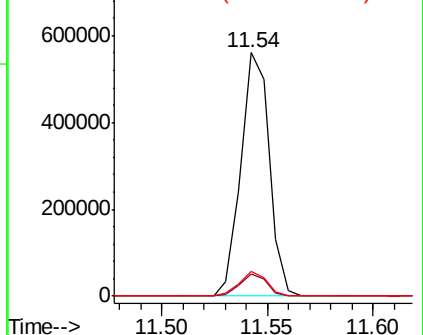


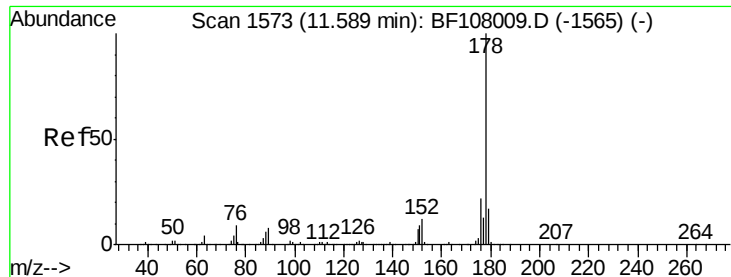
Abundance

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

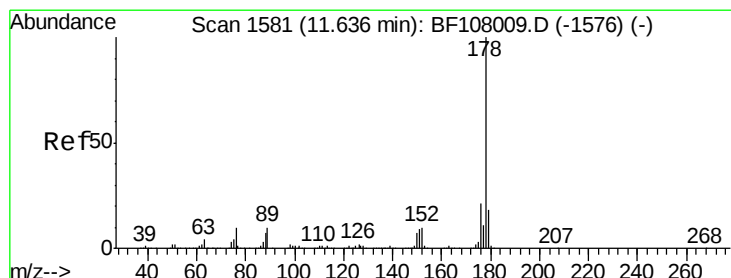
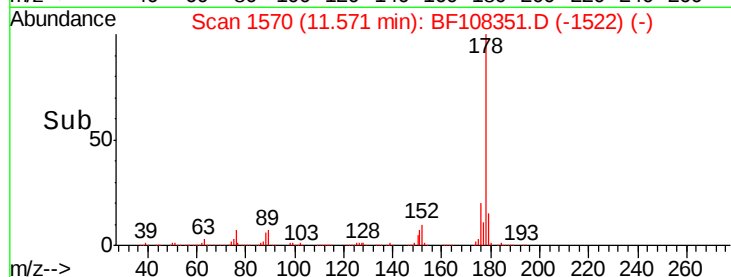
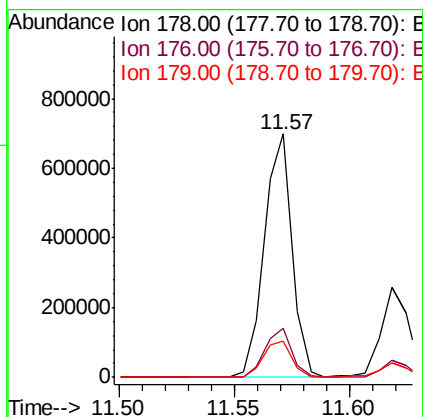
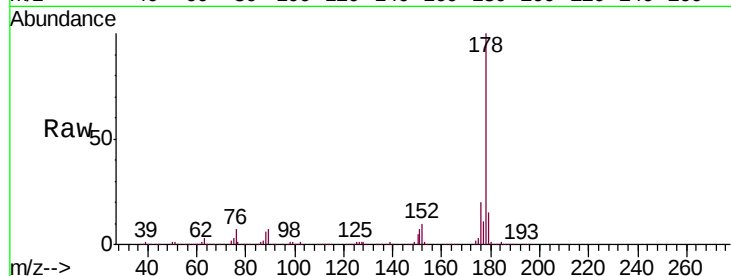




#70
Phenanthrene
Concen: 23.695 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

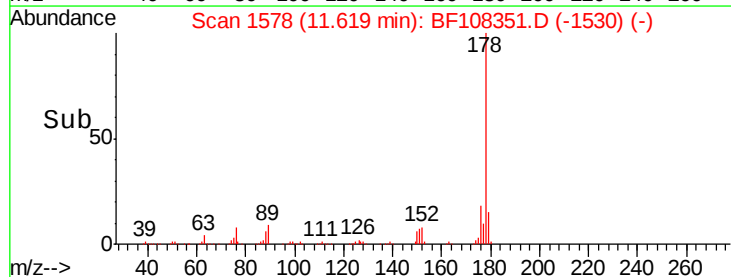
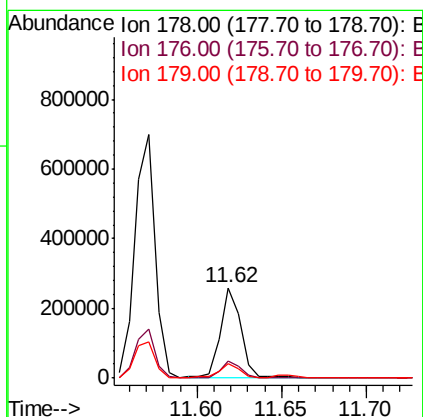
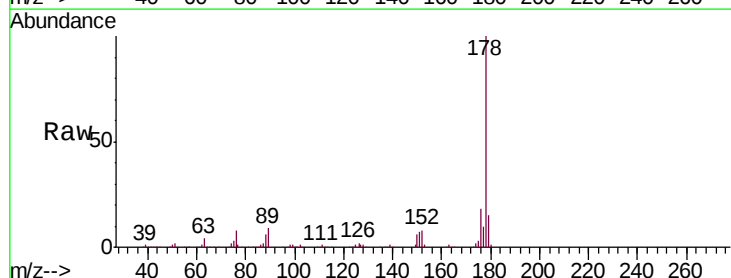
Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

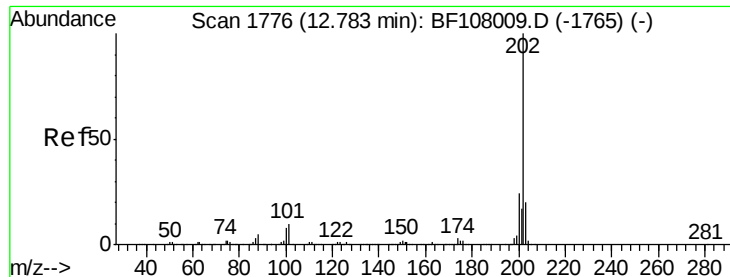
Tgt Ion:178 Resp: 585360
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.1 13.0 19.6



#71
Anthracene
Concen: 8.626 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion:178 Resp: 218418
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.4 12.6 19.0





#74

Fluoranthene

Concen: 39.787 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Instrument :

BNA_F

ClientSampleId :

CHRT-27245DL

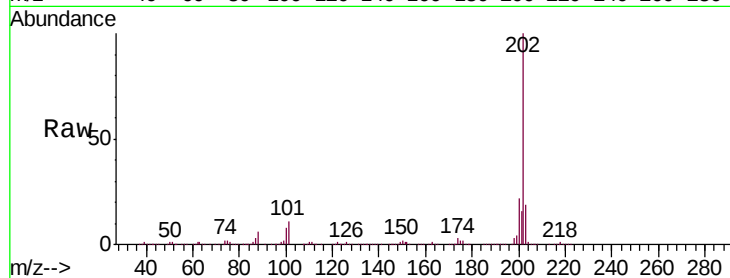
Tgt Ion:202 Resp: 1072713

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.1

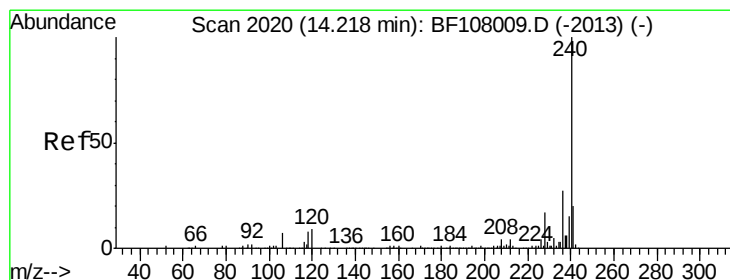
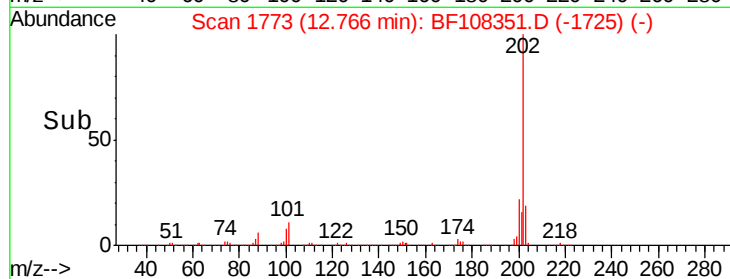
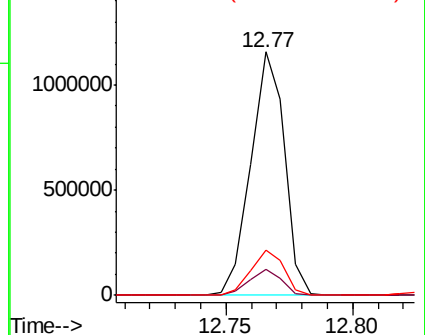
203 18.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

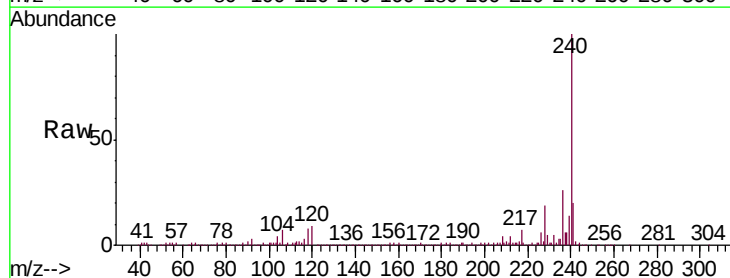
Tgt Ion:240 Resp: 368276

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

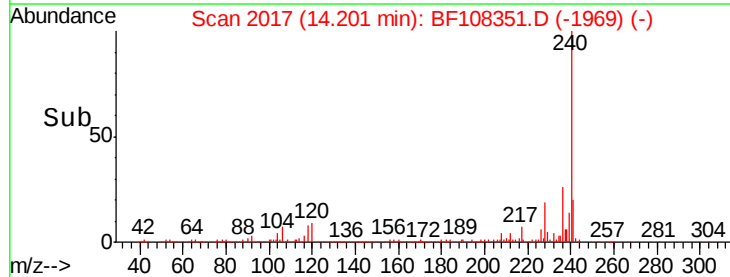
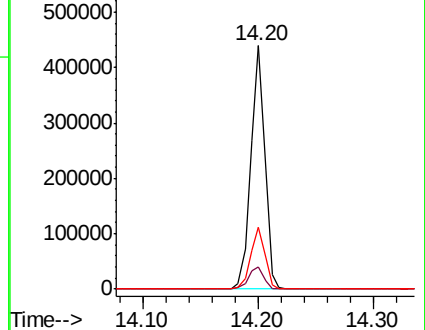
236 25.6 20.7 31.1

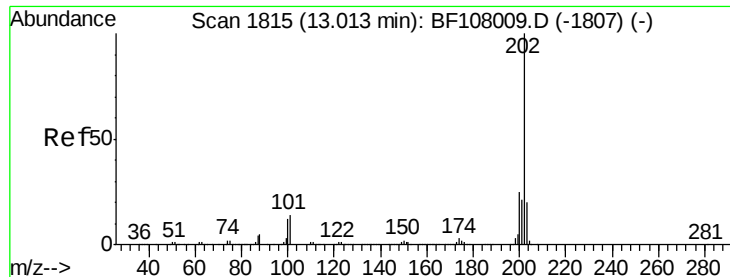


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

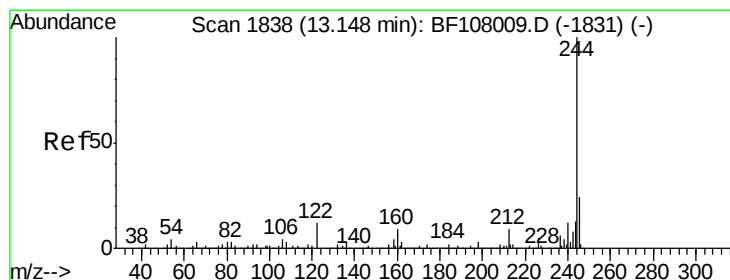
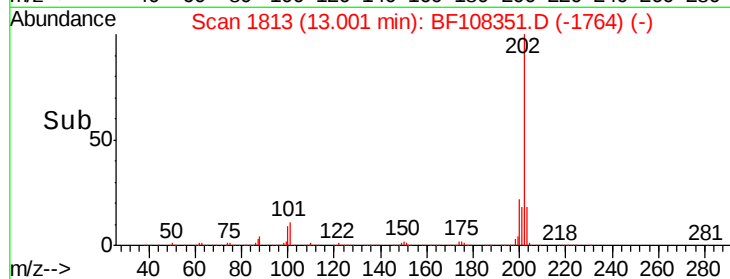
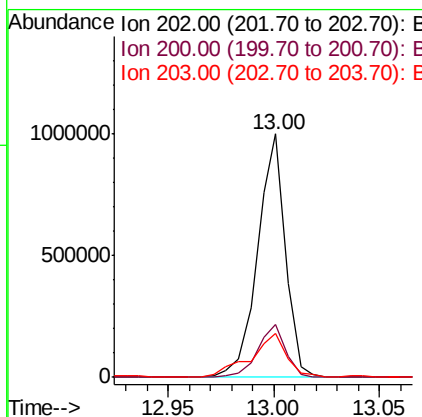
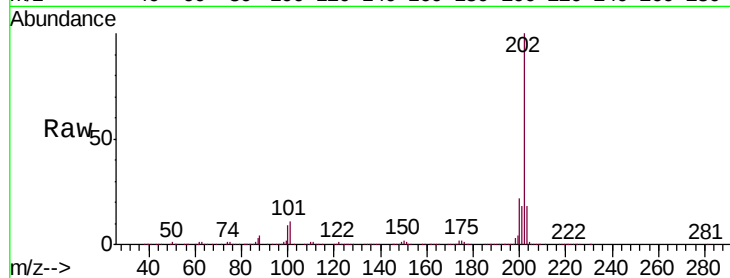




#77
 Pyrene
 Concen: 39.278 ng
 RT: 13.00 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

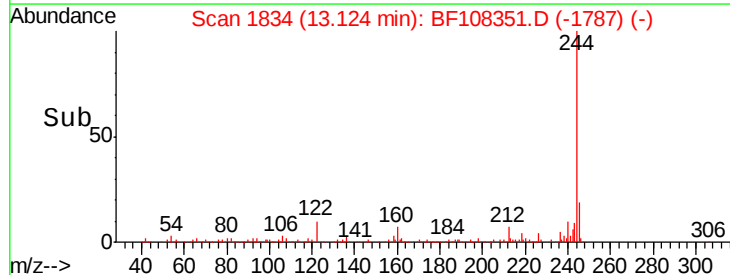
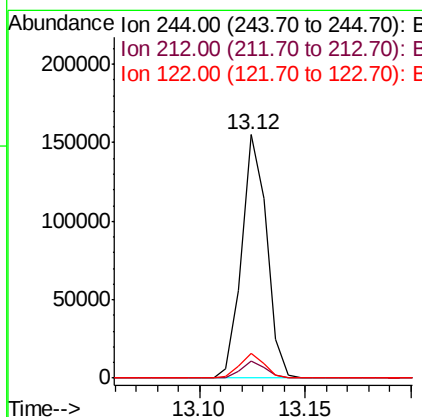
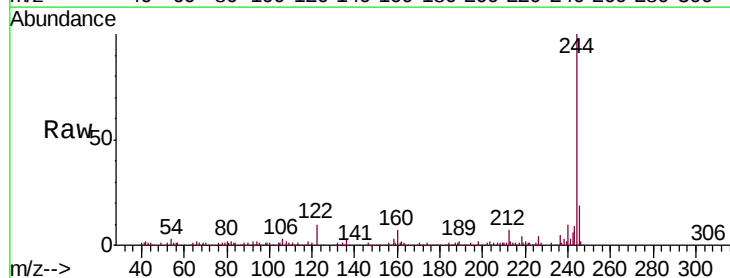
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245DL

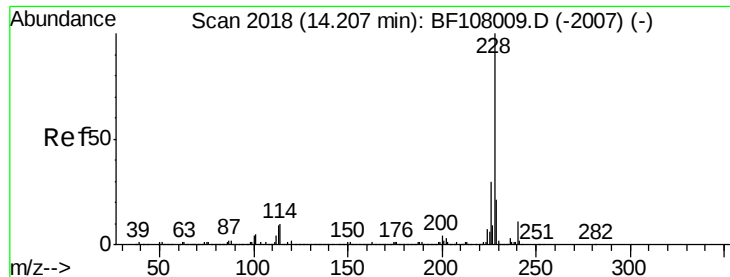
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.0	14.3	21.5



#78
 Terphenyl-d14
 Concen: 8.771 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.3	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 24.020 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Instrument :

BNA_F

ClientSampleId :

CHRT-27245DL

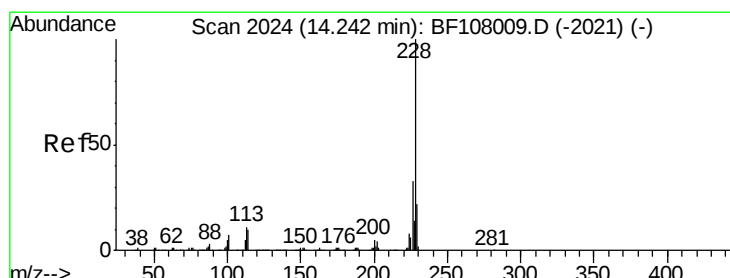
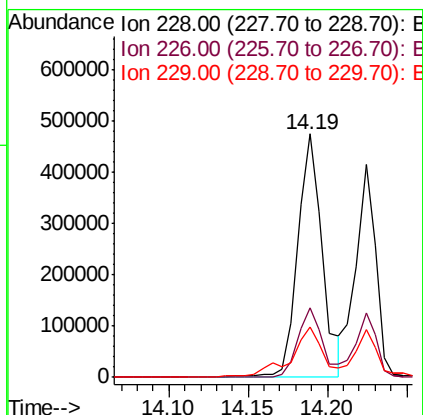
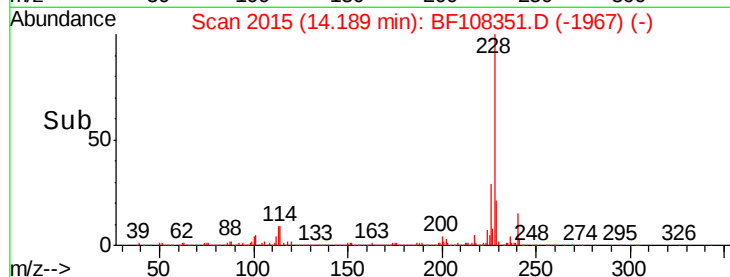
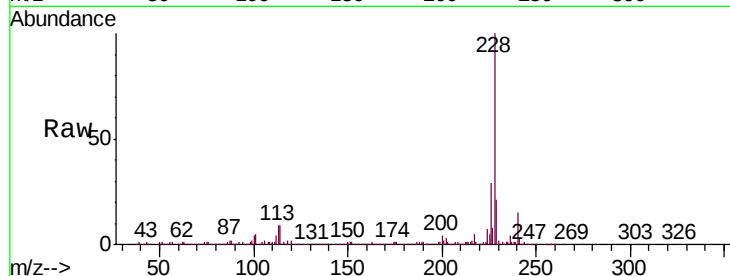
Tgt Ion:228 Resp: 507677

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

229 20.9 15.8 23.6



#82

Chrysene

Concen: 18.903 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

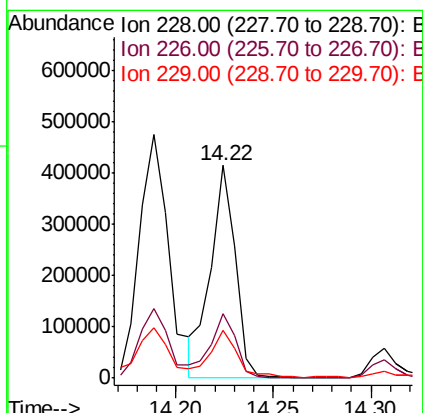
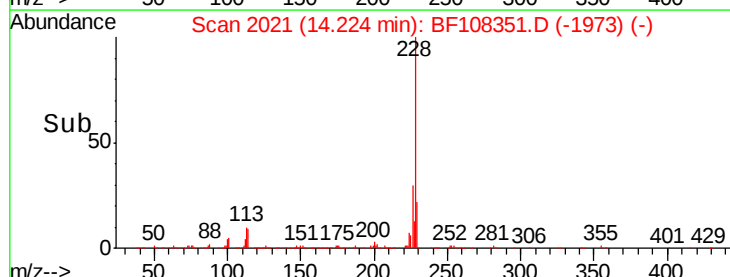
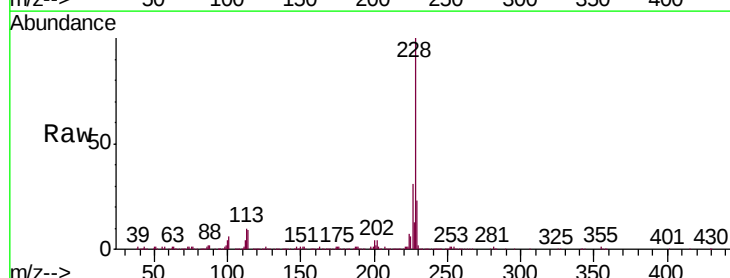
Tgt Ion:228 Resp: 366276

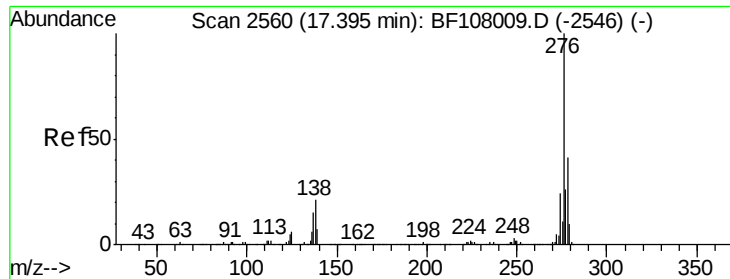
Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 22.7 16.2 24.4

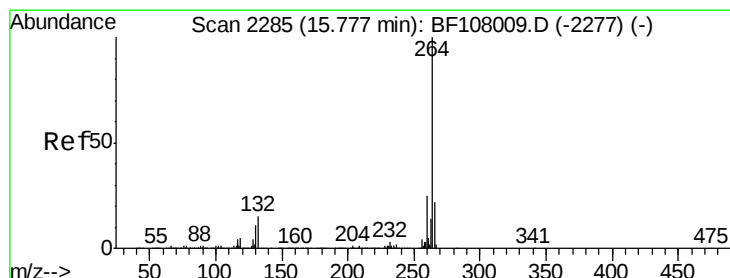
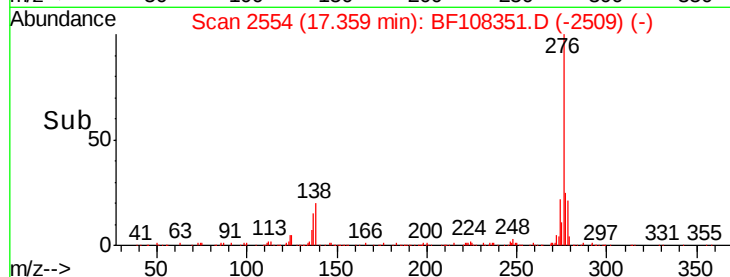
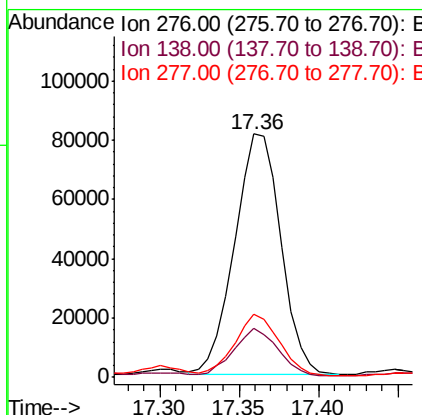
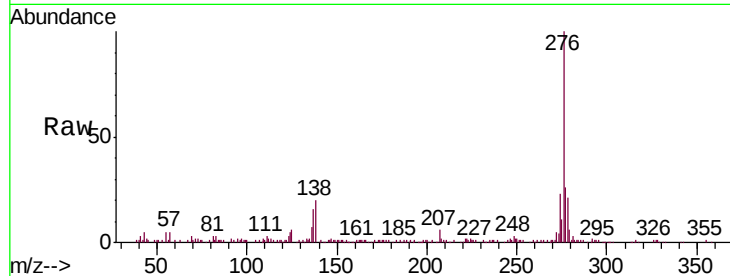




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.799 ng
 RT: 17.36 min Scan# 2554
 Delta R.T. -0.04 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

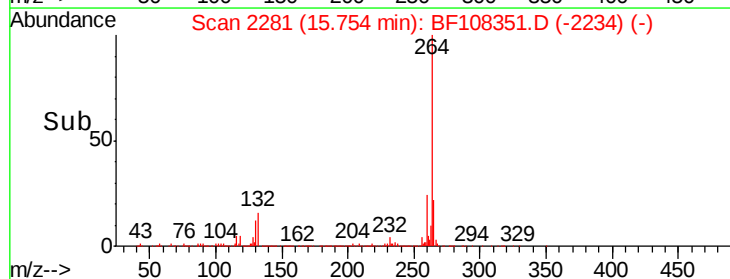
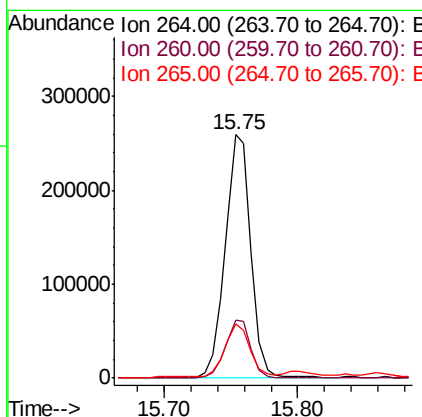
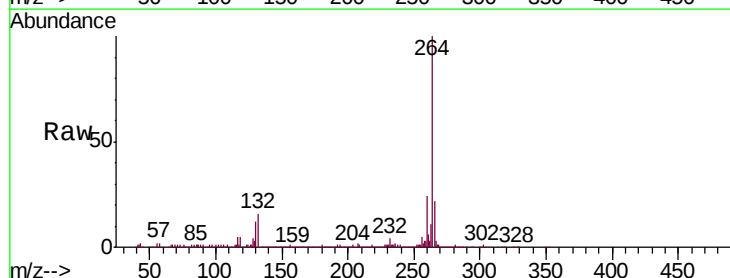
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245DL

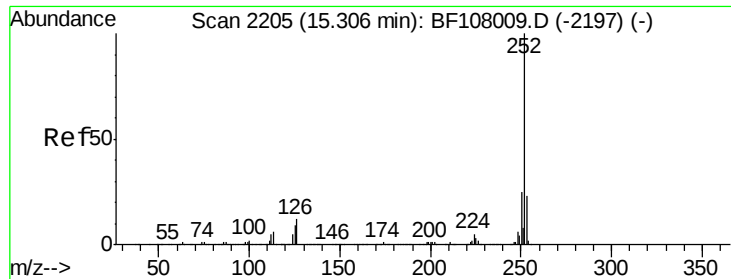
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	25.0	37.6#
277	25.0	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	17.5	26.3

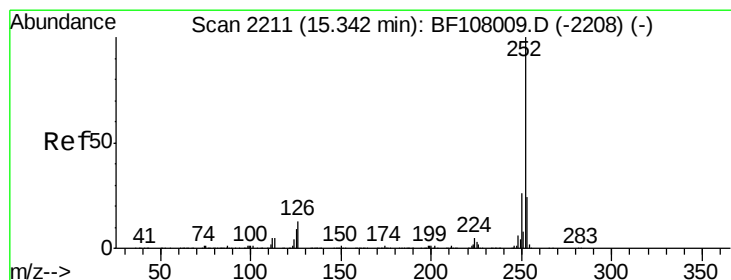
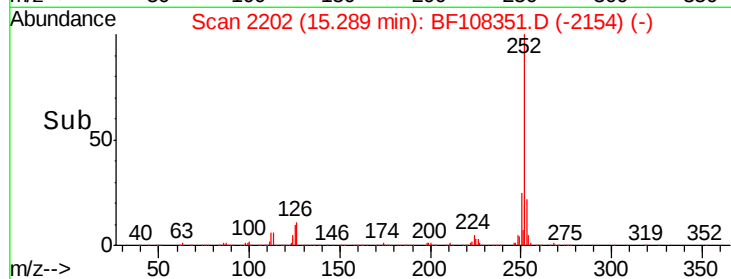
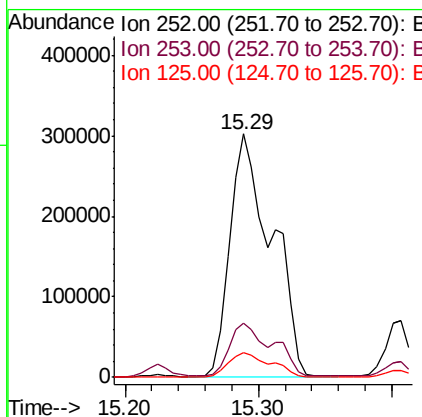
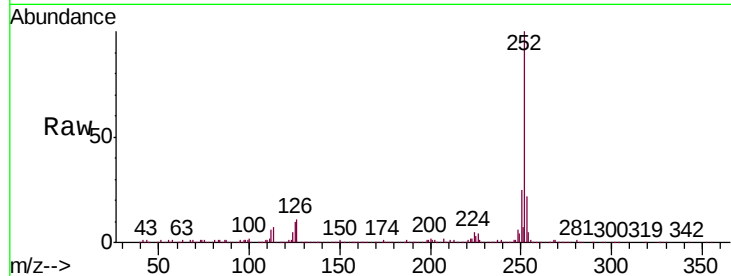




#87
Benzo(b)fluoranthene
Concen: 31.763 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

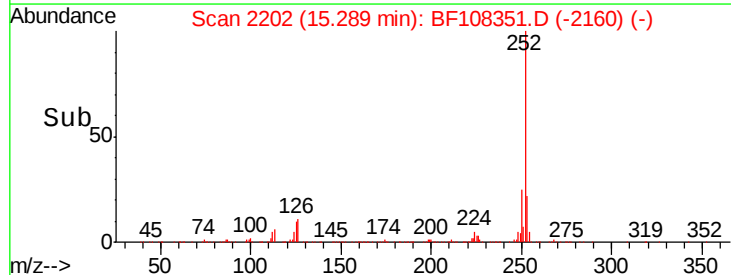
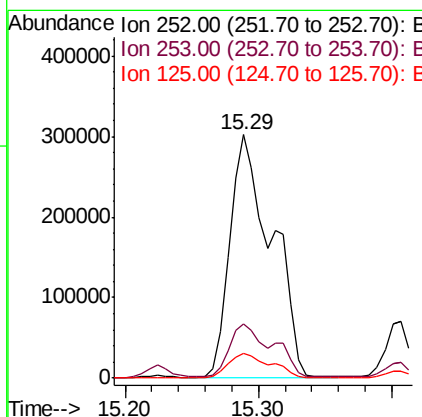
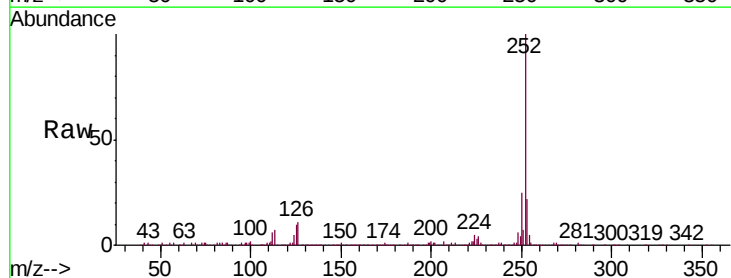
Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

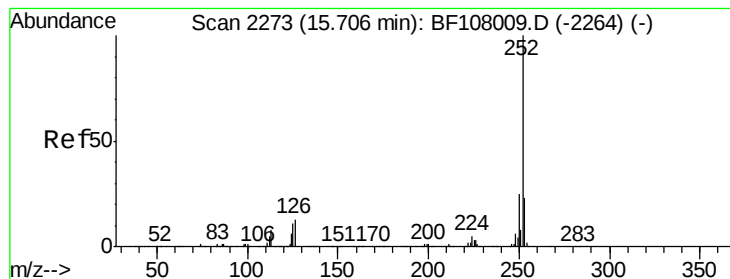
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	10.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 34.554 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.05 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	10.1	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 11.567 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.09 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Instrument :

BNA_F

ClientSampleId :

CHRT-27245DL

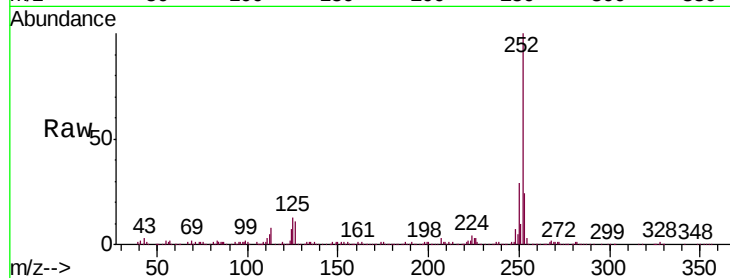
Tgt Ion:252 Resp: 215120

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

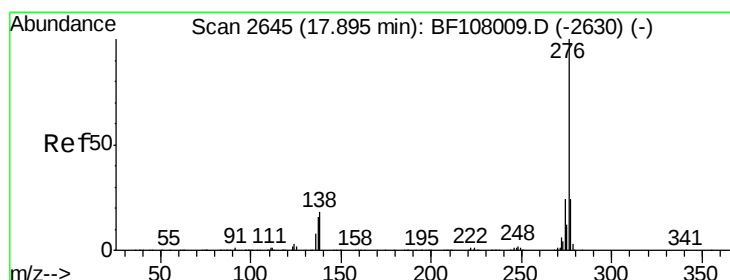
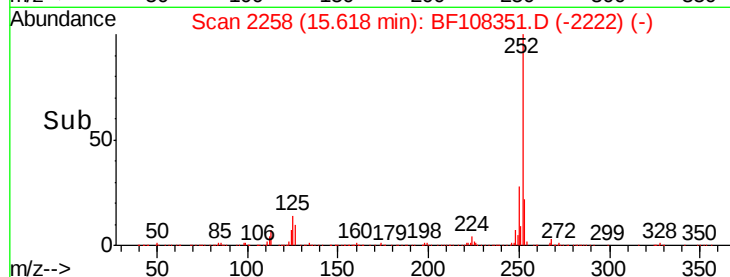
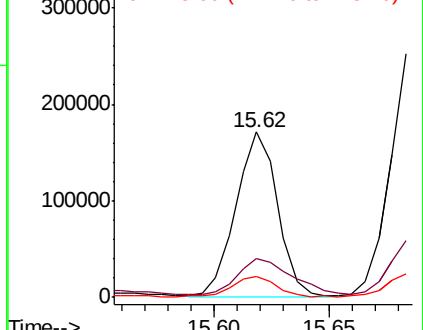
125 13.0 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.189 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.04 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

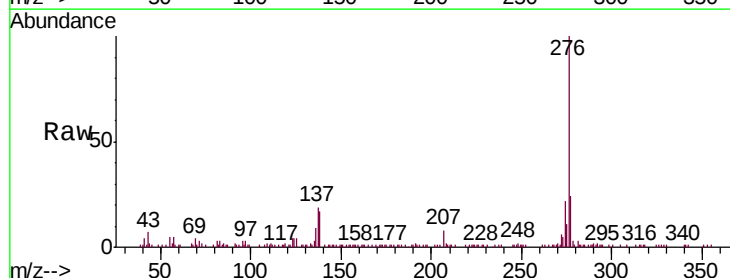
Tgt Ion:276 Resp: 139243

Ion Ratio Lower Upper

276 100

277 24.2 17.9 26.9

138 16.9 21.8 32.8#



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

