

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071720\
 Data File : BP002791.D
 Acq On : 17 Jul 2020 14:37
 Operator : CG/JU
 Sample : L3324-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-26948

Quant Time: Jul 17 15:14:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

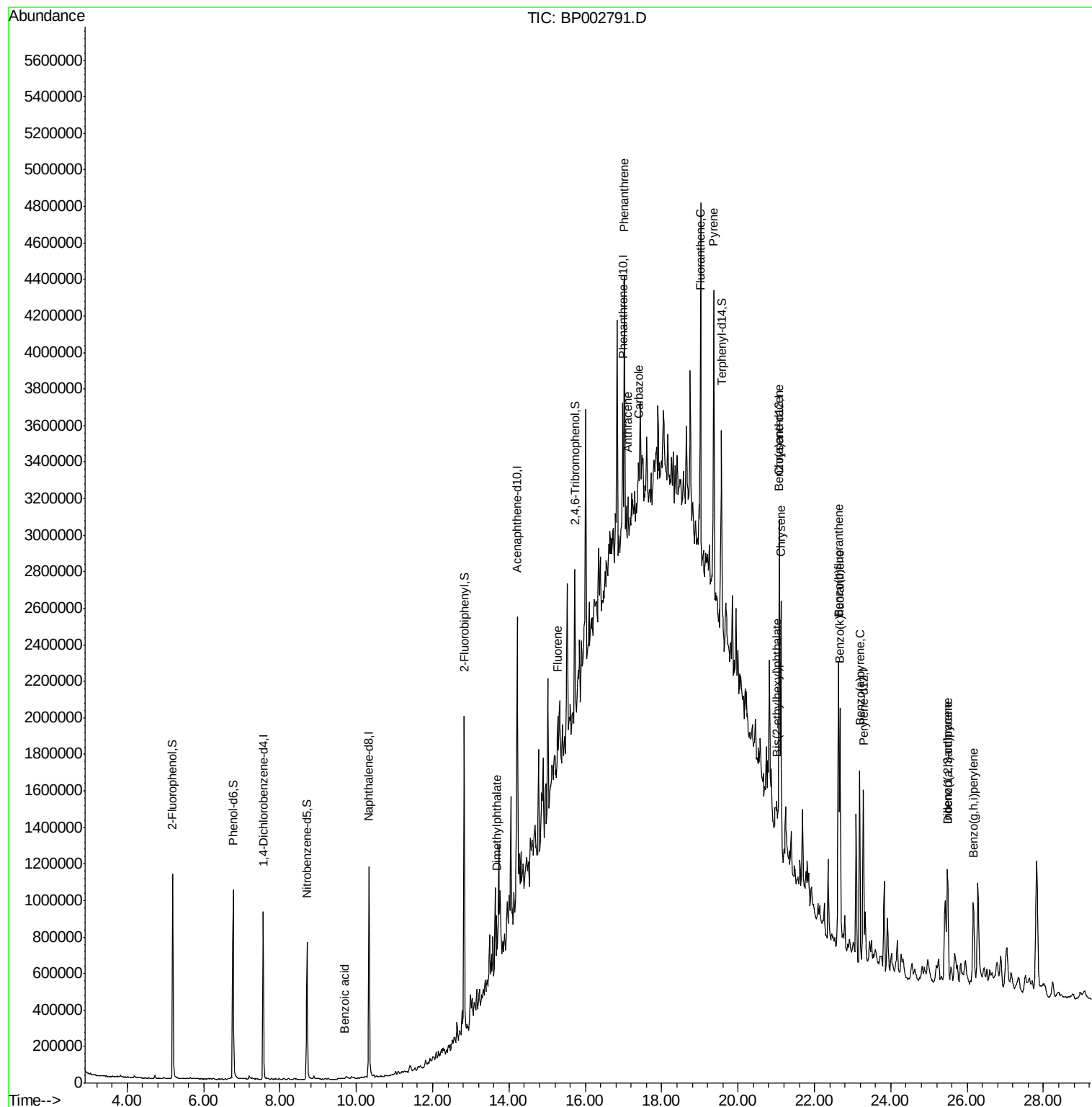
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	238943	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	961816	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	484162	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	649678	20.00	ng	0.01
76) Chrysene-d12	21.09	240	566257	20.00	ng	0.01
86) Perylene-d12	23.28	264	666994	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	510096	36.02	ng	0.00
7) Phenol-d6	6.77	99	700305	34.65	ng	0.01
23) Nitrobenzene-d5	8.70	82	454801	25.29	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	164612	32.57	ng	0.01
45) 2-Fluorobiphenyl	12.82	172	884524	28.26	ng	0.00
79) Terphenyl-d14	19.56	244	583272	23.62	ng	0.00
Target Compounds						
32) Benzoic acid	9.70	122	2329	7.250	ng	# 66
50) Dimethylphthalate	13.67	163	166591	4.512	ng	# 97
58) Fluorene	15.27	166	90417	2.758	ng	# 86
71) Phenanthrene	17.02	178	951873	27.060	ng	# 96
72) Anthracene	17.11	178	203328m	5.890	ng	
73) Carbazole	17.39	167	105180	3.105	ng	# 76
75) Fluoranthene	19.02	202	1575123	38.645	ng	97
78) Pyrene	19.36	202	1298269	33.207	ng	99
81) Benzo(a)anthracene	21.07	228	683440	18.645	ng	99
83) Chrysene	21.12	228	806218	23.106	ng	97
84) Bis(2-ethylhexyl)phthalate	21.02	149	45571	2.124	ng	# 94
87) Indeno(1,2,3-cd)pyrene	25.49	276	561399	11.645	ng	97
88) Benzo(b)fluoranthene	22.63	252	1132750m	27.350	ng	
89) Benzo(k)fluoranthene	22.66	252	391609m	9.599	ng	
90) Benzo(a)pyrene	23.19	252	704844	17.959	ng	98
91) Dibenzo(a,h)anthracene	25.49	278	136372	3.508	ng	# 84
92) Benzo(a,h,i)perylene	26.16	276	553853	14.051	ng	99

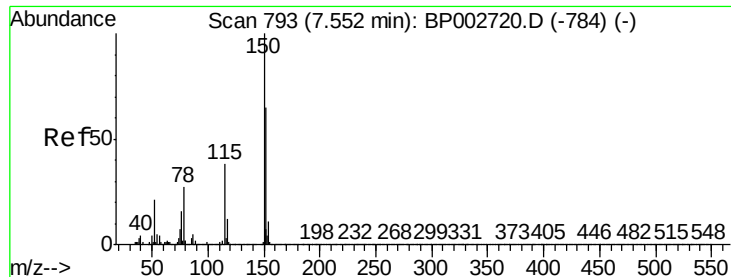
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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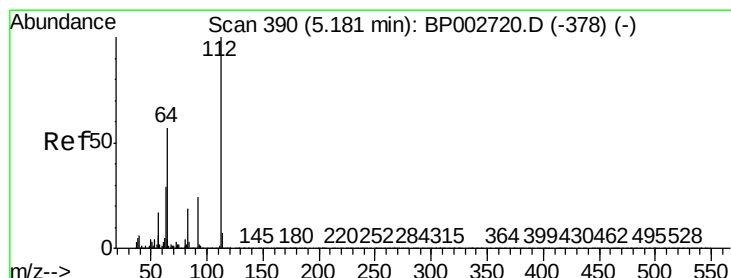
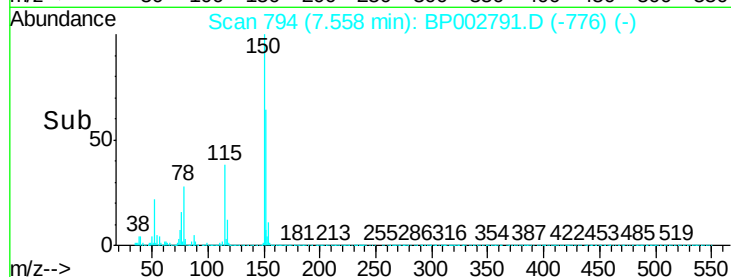
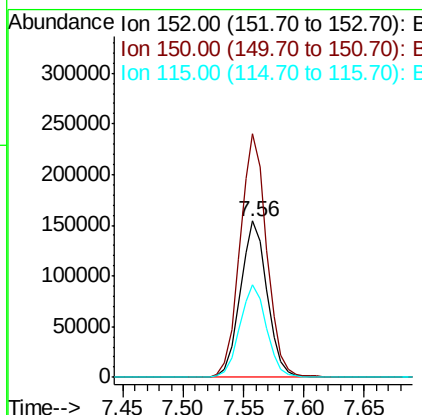
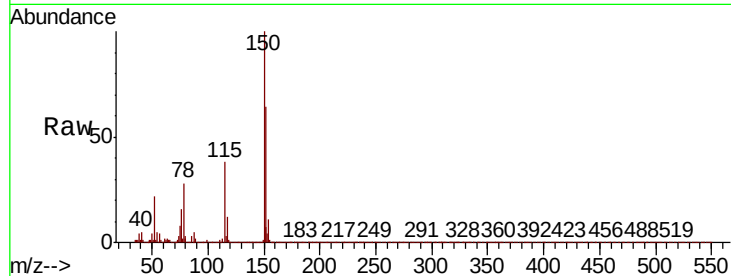


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002791.D
Acq: 17 Jul 2020 14:37

Instrument :
BNA_P
ClientSampleId :
CHRT-26948

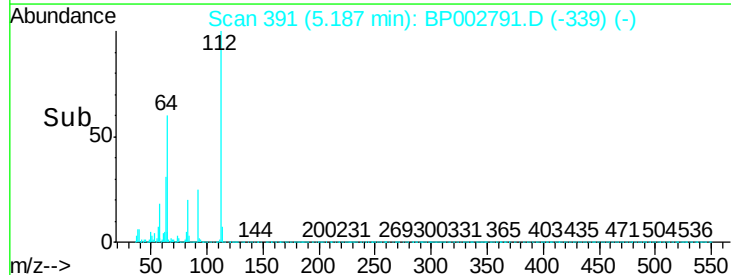
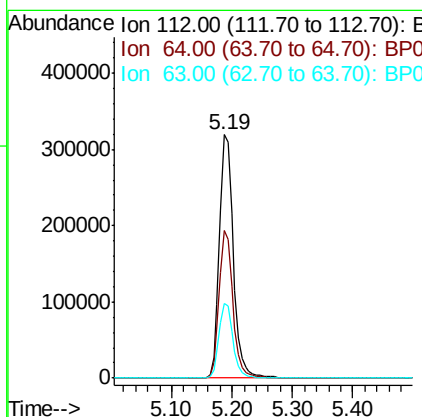
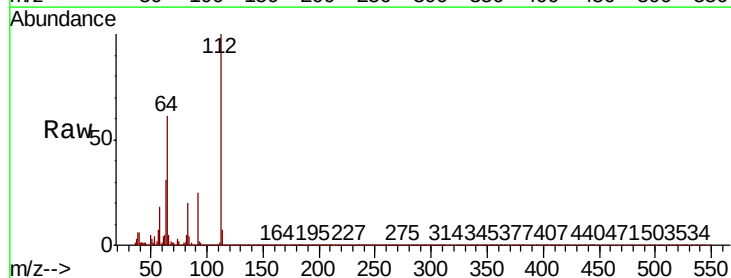
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.7	185.5
115	59.2	47.2	70.8

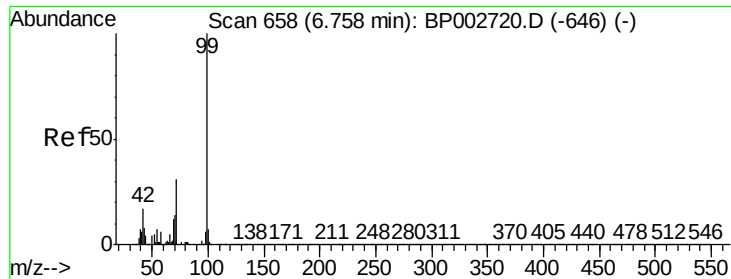


#5

2-Fluorophenol
Concen: 36.018 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002791.D
Acq: 17 Jul 2020 14:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	45.6	68.4
63	30.7	23.5	35.3





#7

Phenol-d6

Concen: 34.648 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

BNA_P

ClientSampleId :

CHRT-26948

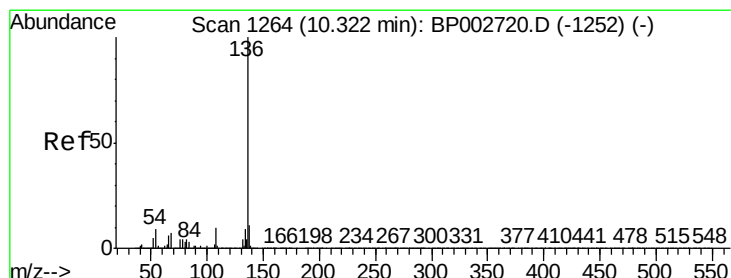
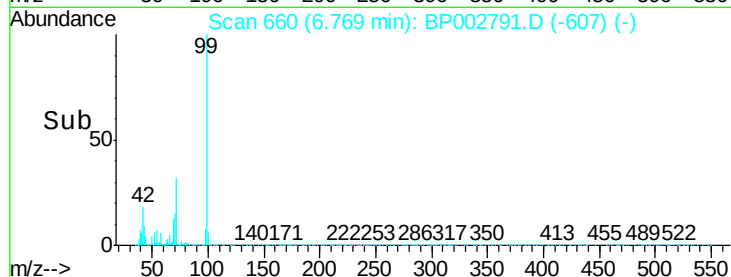
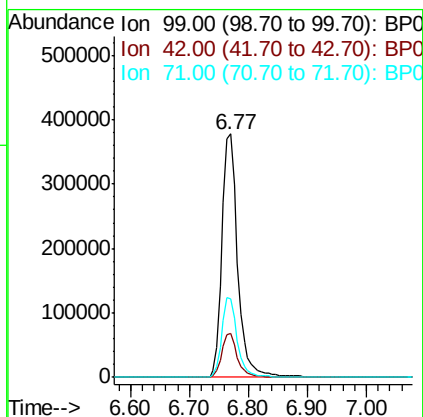
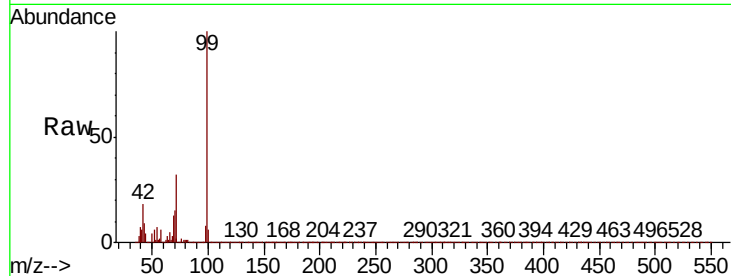
Tot Ion: 99 Resp: 700305

Ion Ratio Lower Upper

99 100

42 17.8 13.4 20.2

71 32.3 24.6 36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Tgt Ion: 136 Resp: 961816

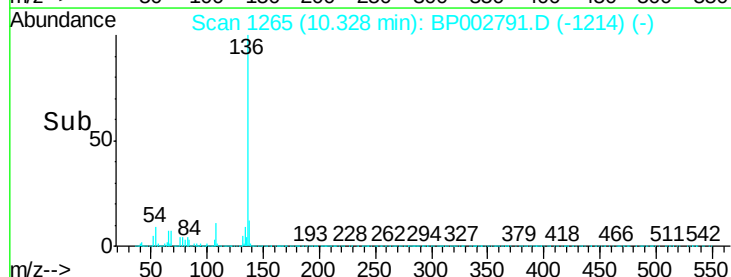
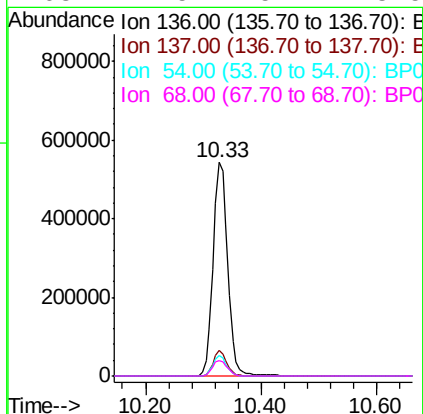
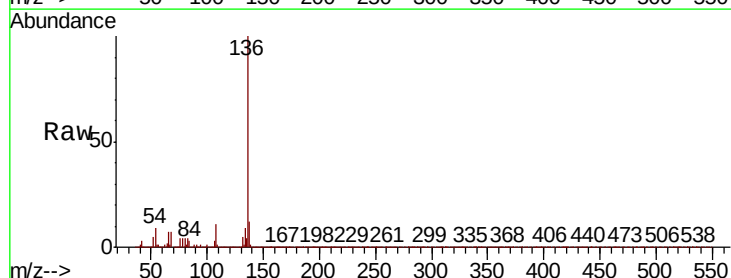
Ion Ratio Lower Upper

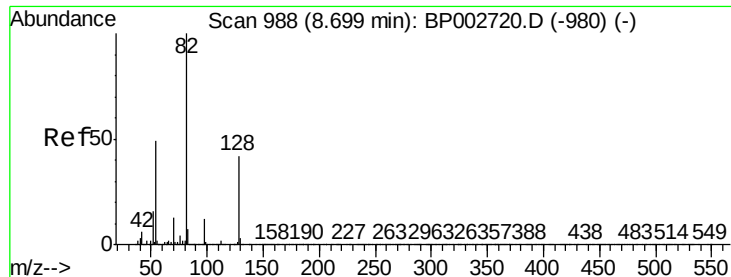
136 100

137 11.8 8.6 13.0

54 9.5 6.9 10.3

68 7.5 5.7 8.5

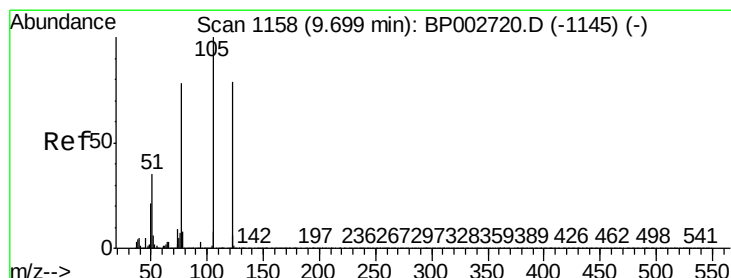
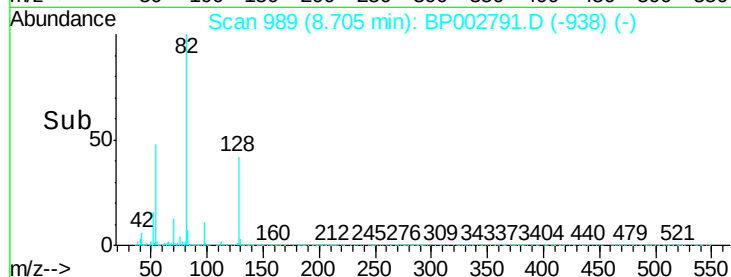
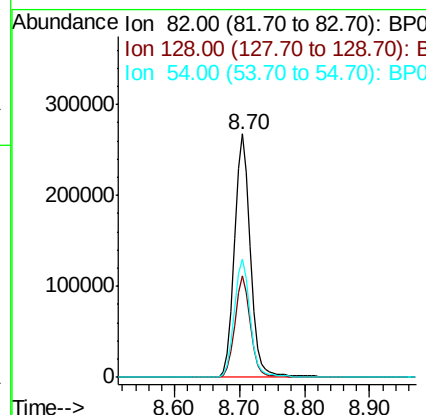
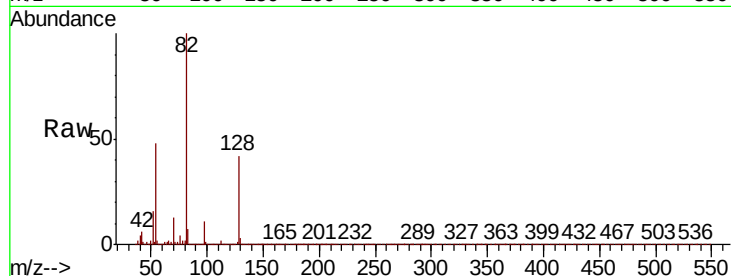




#23
Nitrobenzene-d5
Concen: 25.290 ng
RT: 8.70 min Scan# 989
Delta R.T. 0.00 min
Lab File: BP002791.D
Acq: 17 Jul 2020 14:37

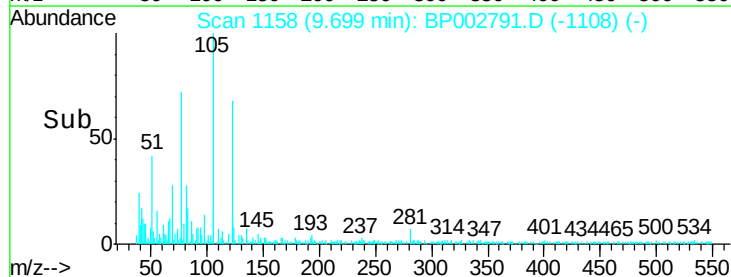
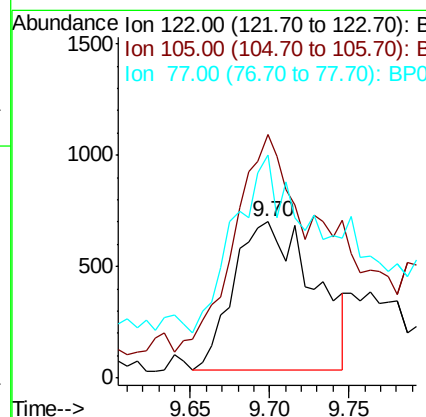
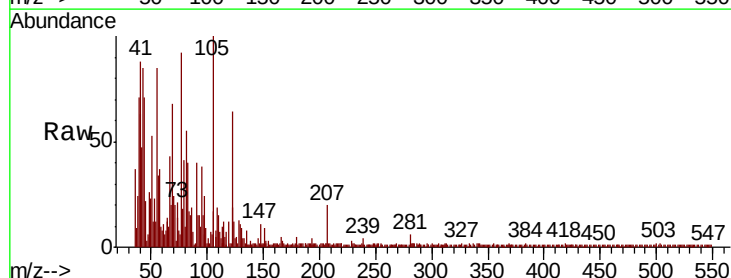
Instrument :
BNA_P
ClientSampleId :
CHRT-26948

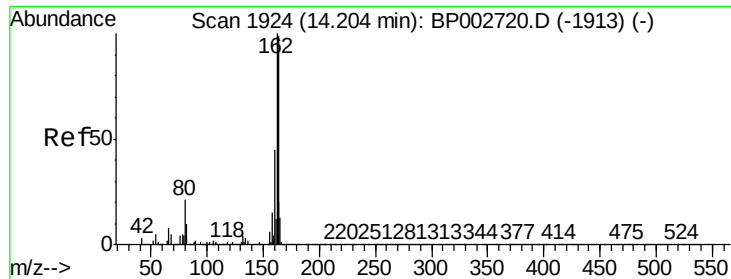
Tot Ion	82	Resp	454801
Ion Ratio	Lower	Upper	
82	100		
128	41.5	33.8	50.8
54	48.3	38.8	58.2



#32
Benzoic acid
Concen: 7.250 ng
RT: 9.70 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BP002791.D
Acq: 17 Jul 2020 14:37

Tgt Ion	122	Resp	2329
Ion Ratio	Lower	Upper	
122	100		
105	155.7	105.4	145.4#
77	142.6	78.5	118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.21 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

BNA_P

ClientSampleId :

CHRT-26948

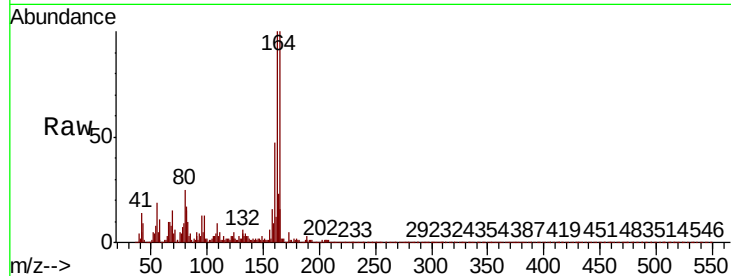
Tot Ion:164 Resp: 484162

Ion Ratio Lower Upper

164 100

162 100.5 80.6 121.0

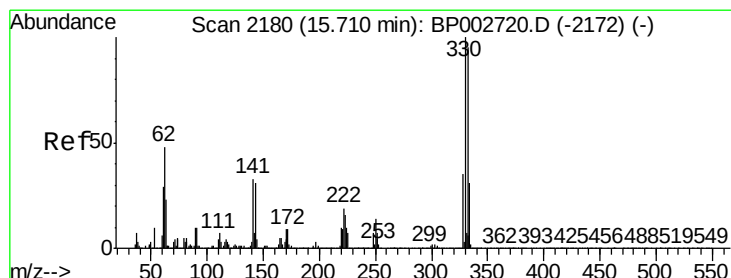
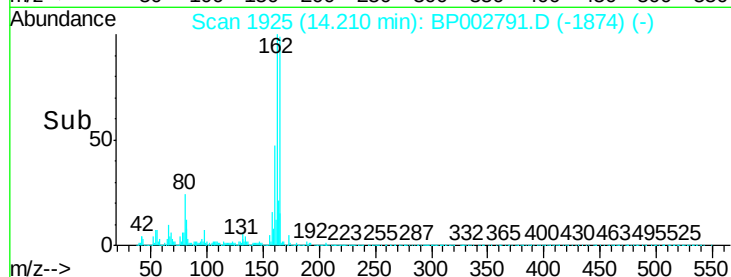
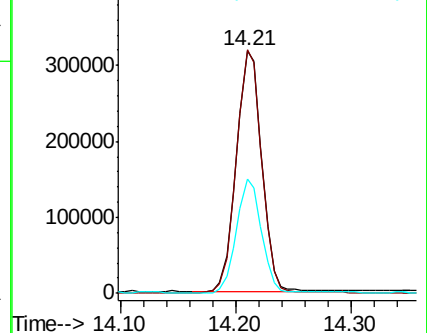
160 47.0 36.4 54.6



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: 32.571 ng

RT: 15.72 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

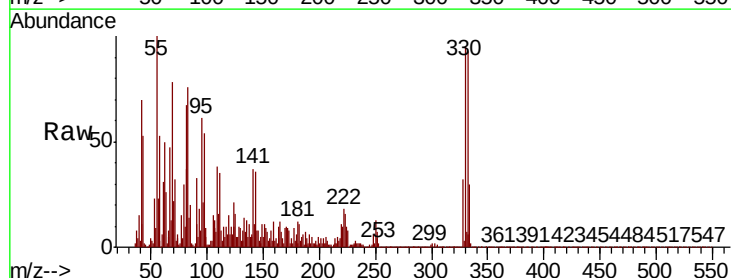
Tgt Ion:330 Resp: 164612

Ion Ratio Lower Upper

330 100

332 96.9 76.5 114.7

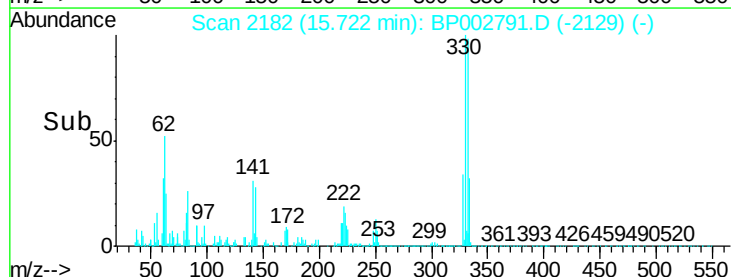
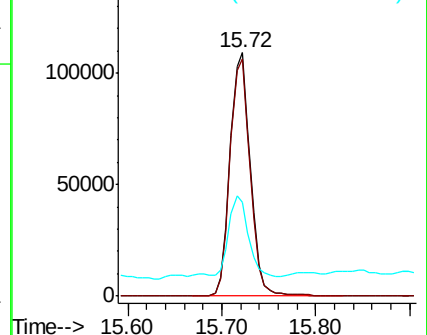
141 31.4 28.8 43.2

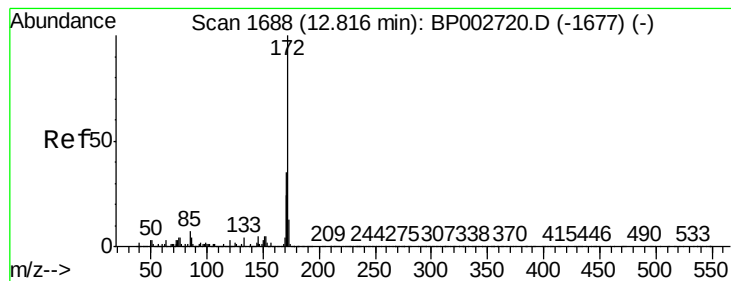


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 28.262 ng

RT: 12.82 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

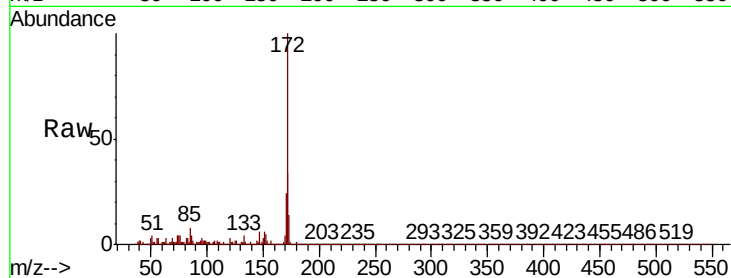
BNA_P

ClientSampleId :

CHRT-26948

Tot Ion:172 Resp: 884524

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.1	42.1
170	24.5	19.3	28.9

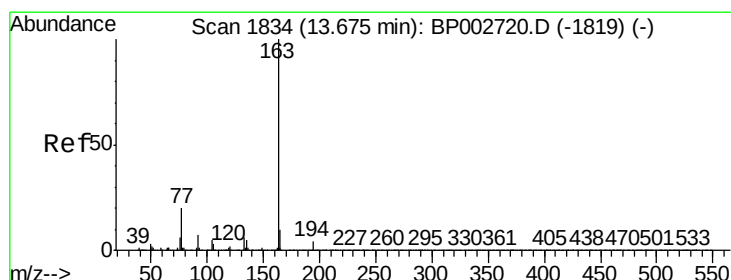
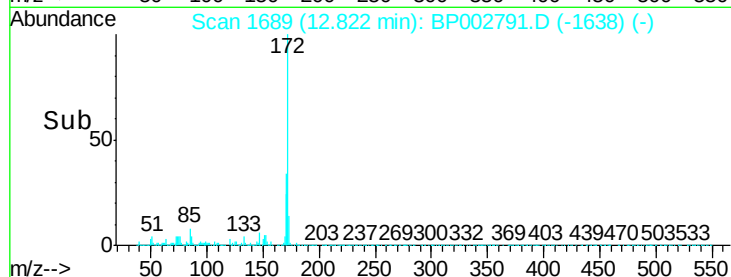
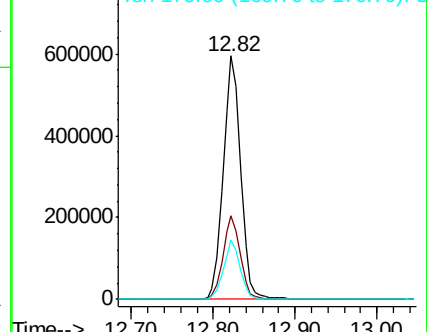


Abundance

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: 4.512 ng

RT: 13.67 min Scan# 1834

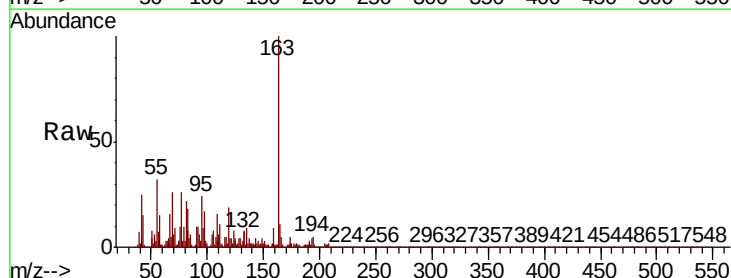
Delta R.T. 0.00 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Tgt Ion:163 Resp: 166591

Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.4	5.2#
164	11.0	7.8	11.8

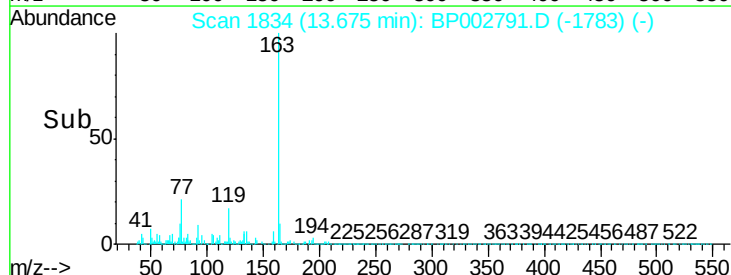
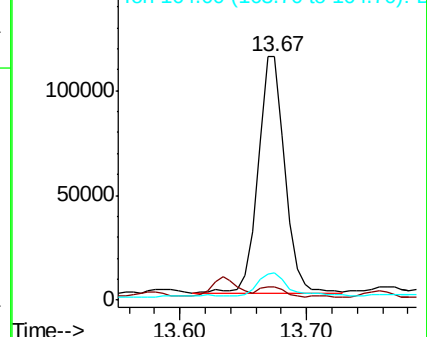


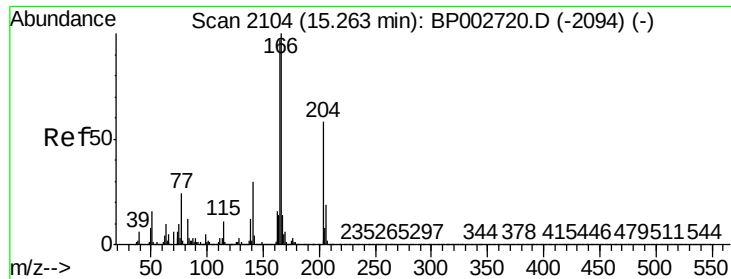
Abundance

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





#58

Fluorene

Concen: 2.758 ng

RT: 15.27 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

BNA_P

ClientSampleId :

CHRT-26948

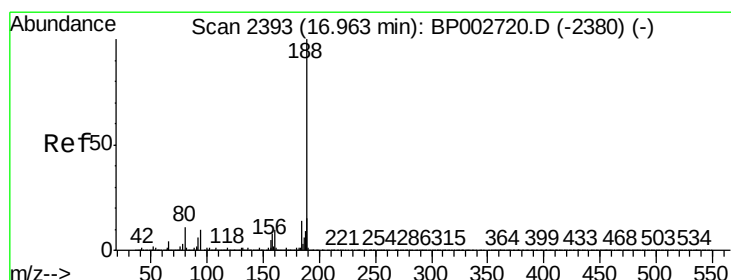
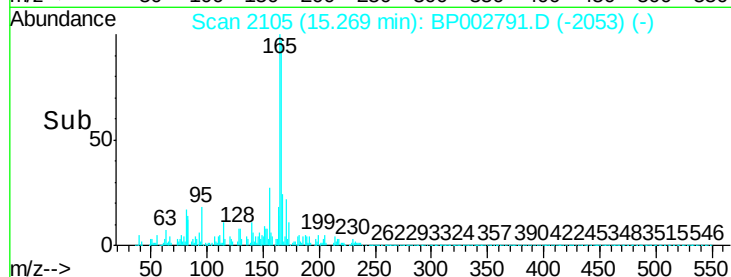
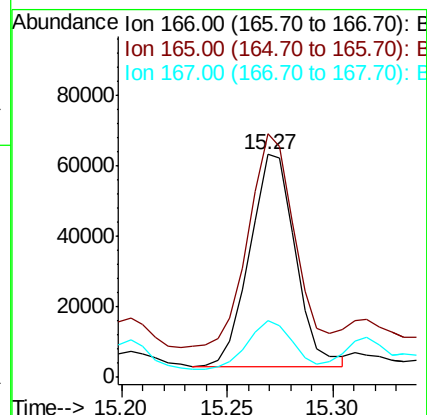
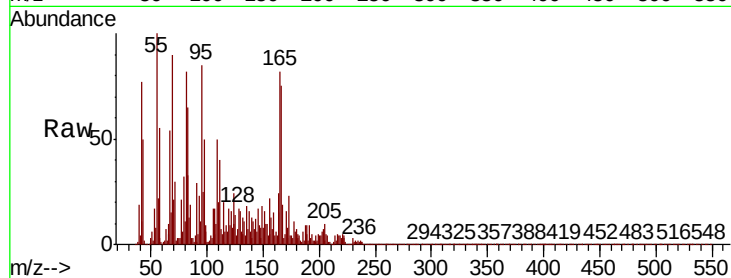
Tot Ion:166 Resp: 90417

Ion Ratio Lower Upper

166 100

165 109.2 77.7 116.5

167 25.6 11.0 16.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.98 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

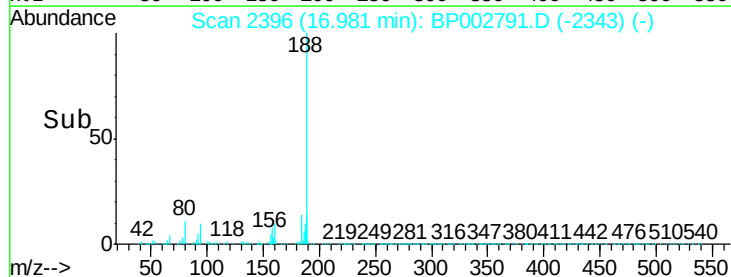
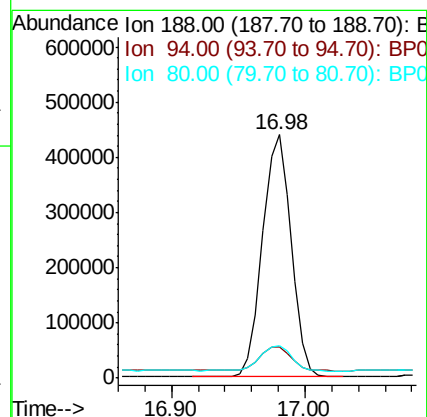
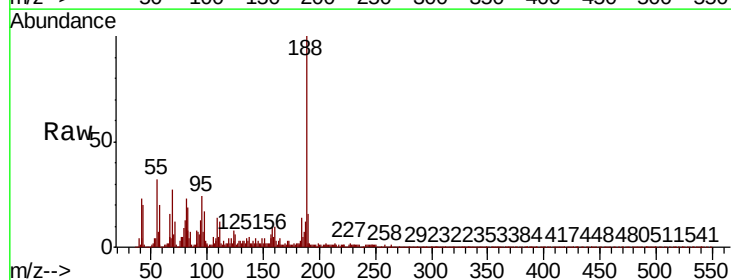
Tgt Ion:188 Resp: 649678

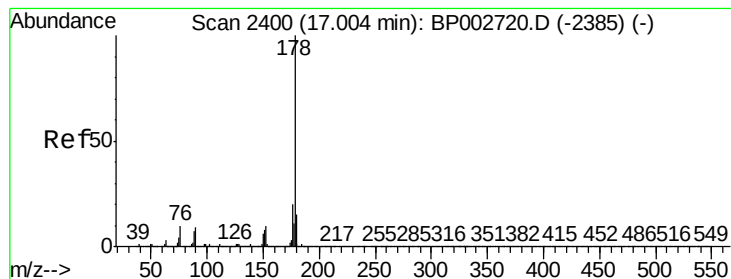
Ion Ratio Lower Upper

188 100

94 12.8 8.1 12.1#

80 13.4 8.9 13.3#





#71

Phenanthrene

Concen: 27.060 ng

RT: 17.02 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

BNA_P

ClientSampleId :

CHRT-26948

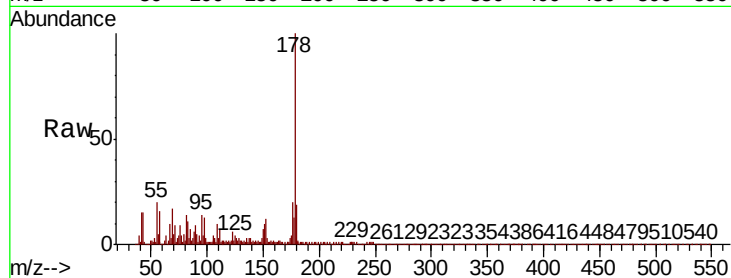
Tot Ion:178 Resp: 951873

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

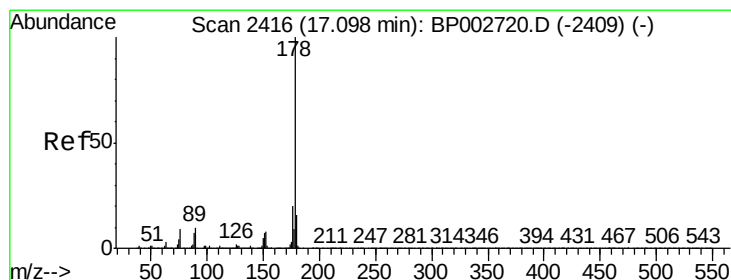
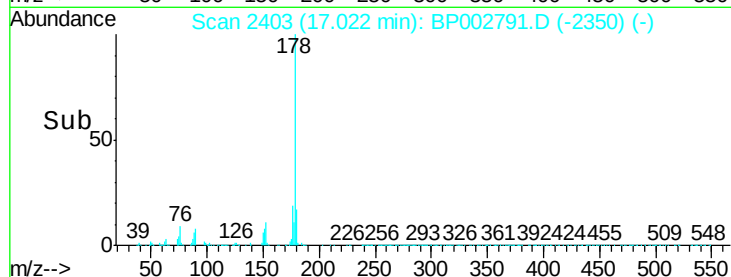
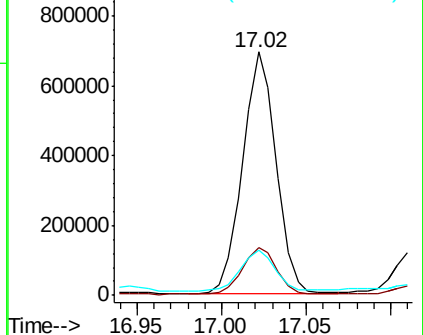
179 18.7 12.3 18.5#



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: 5.890 ng m

RT: 17.11 min Scan# 2418

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

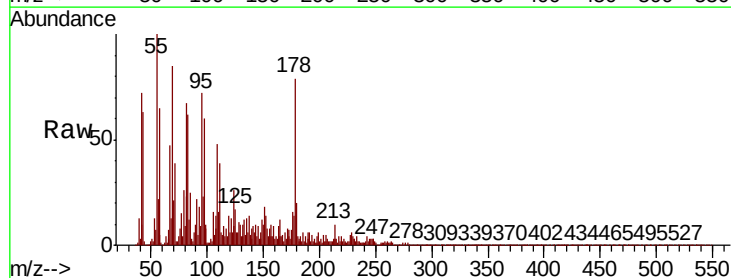
Tgt Ion:178 Resp: 203328

Ion Ratio Lower Upper

178 100

176 20.8 15.6 23.4

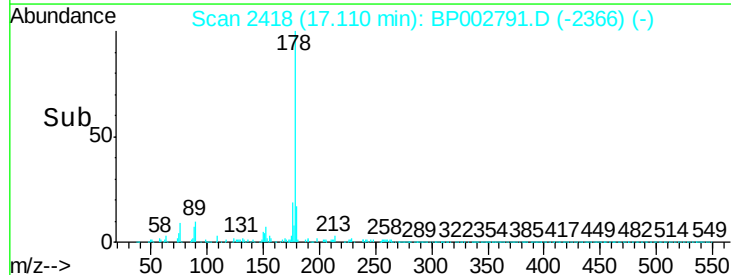
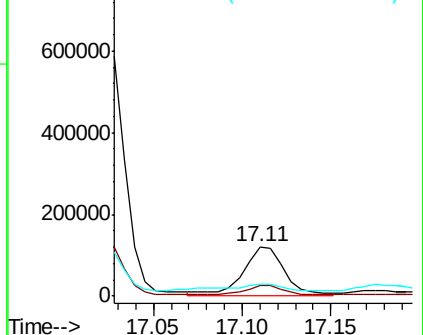
179 25.5 12.6 19.0#

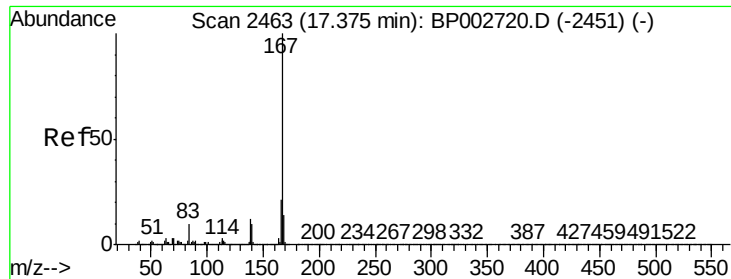


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

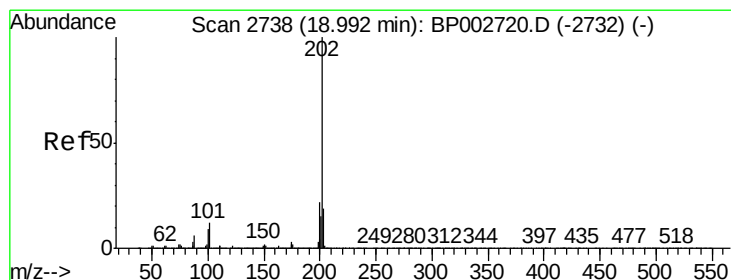
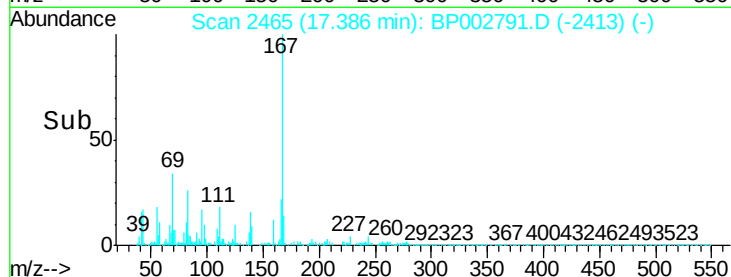
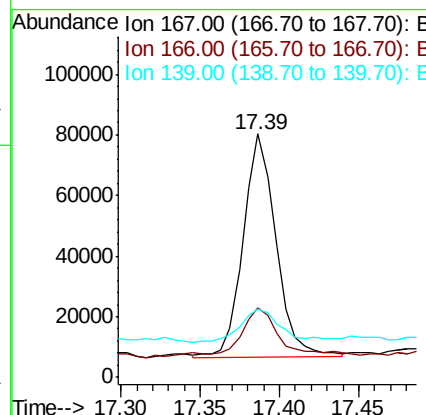
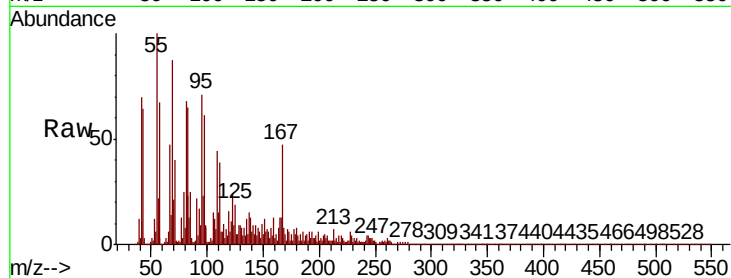




#73
 Carbazole
 Concen: 3.105 ng
 RT: 17.39 min Scan# 2465
 Delta R.T. 0.01 min
 Lab File: BP002791.D
 Acq: 17 Jul 2020 14:37

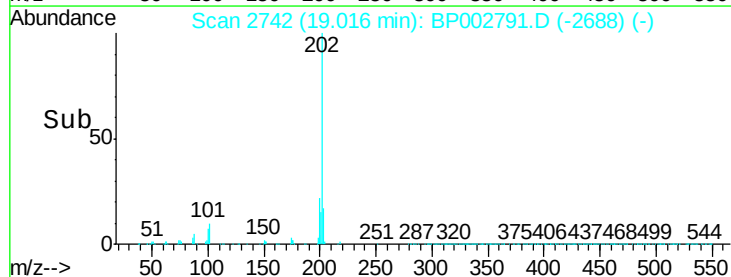
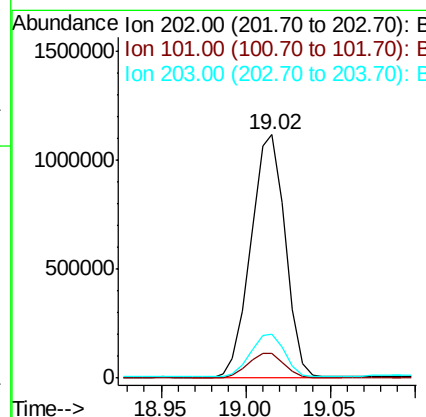
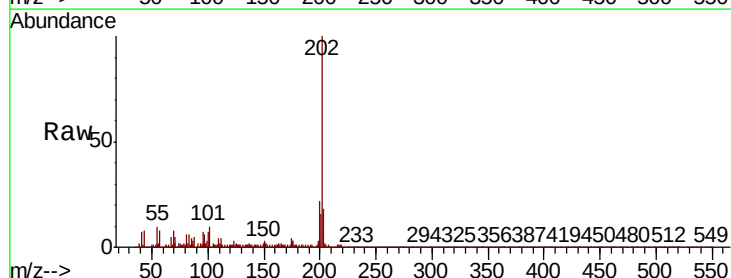
Instrument :
 BNA_P
 ClientSampleId :
 CHRT-26948

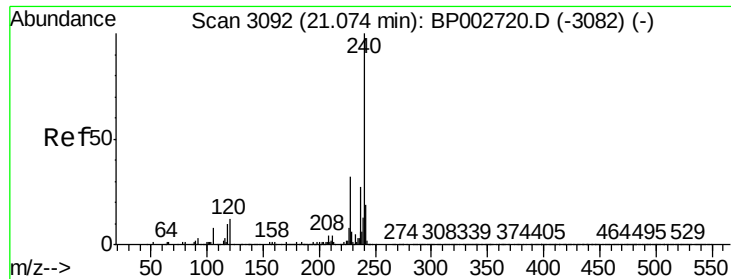
Tot Ion	Ratio	Lower	Upper
167	100		
166	28.3	17.1	25.7#
139	27.8	9.6	14.4#



#75
 Fluoranthene
 Concen: 38.645 ng
 RT: 19.02 min Scan# 2742
 Delta R.T. 0.02 min
 Lab File: BP002791.D
 Acq: 17 Jul 2020 14:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.5
203	17.9	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3094

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

BNA_P

ClientSampleId :

CHRT-26948

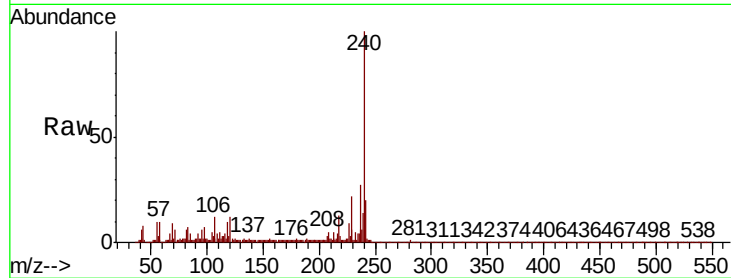
Tot Ion:240 Resp: 566257

Ion Ratio Lower Upper

240 100

120 12.4 9.4 14.2

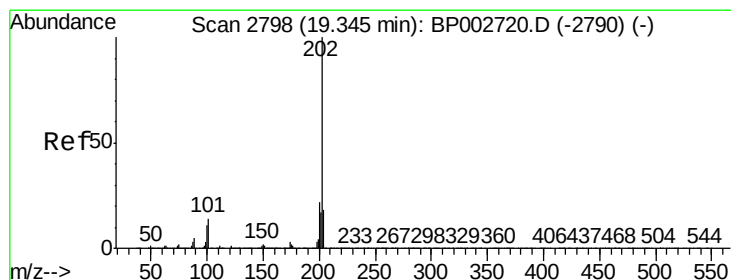
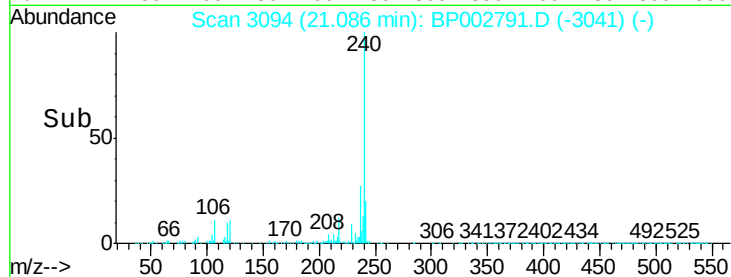
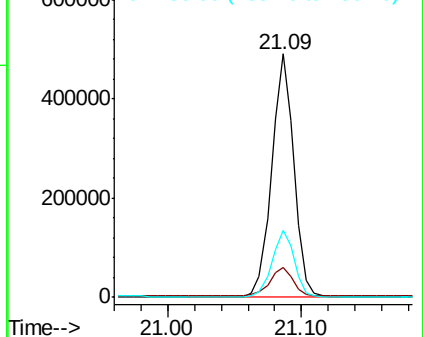
236 27.3 21.3 31.9



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: 33.207 ng

RT: 19.36 min Scan# 2801

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

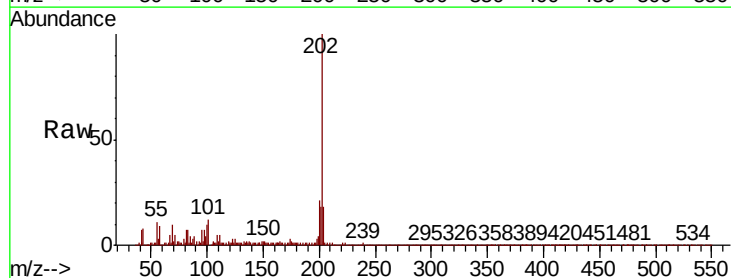
Tgt Ion:202 Resp: 1298269

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

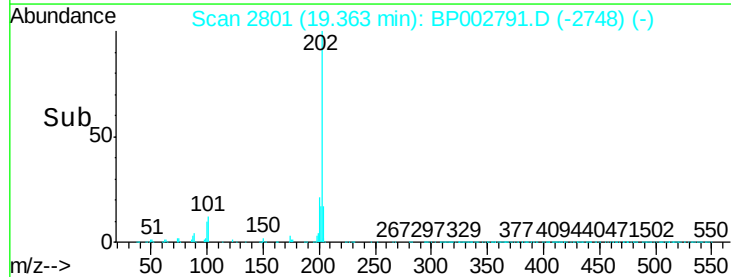
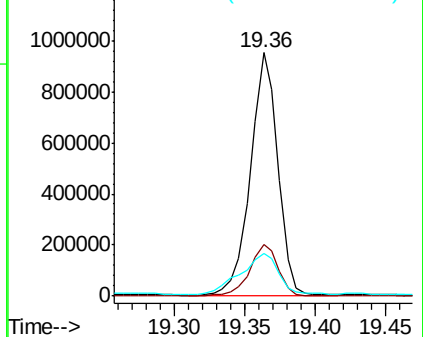
203 17.7 14.5 21.7

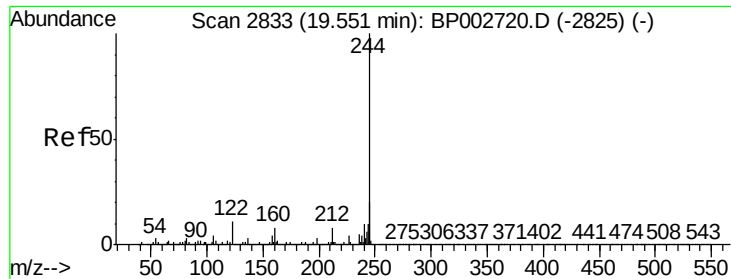


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 23.616 ng

RT: 19.56 min Scan# 2835

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

BNA_P

ClientSampleId :

CHRT-26948

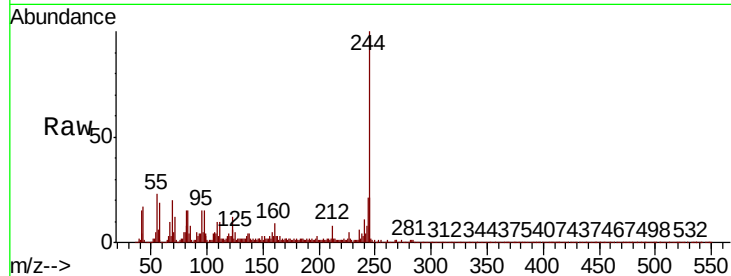
Tot Ion:244 Resp: 583272

Ion Ratio Lower Upper

244 100

212 8.5 6.0 9.0

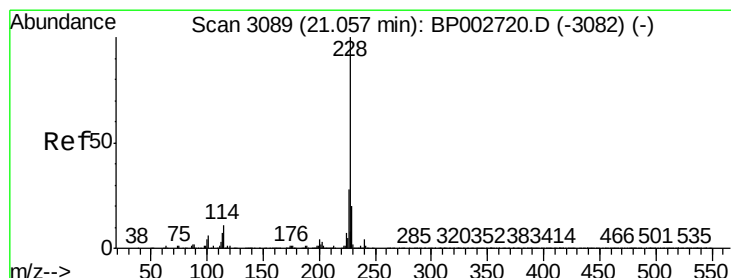
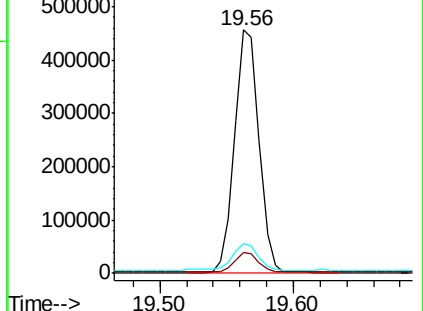
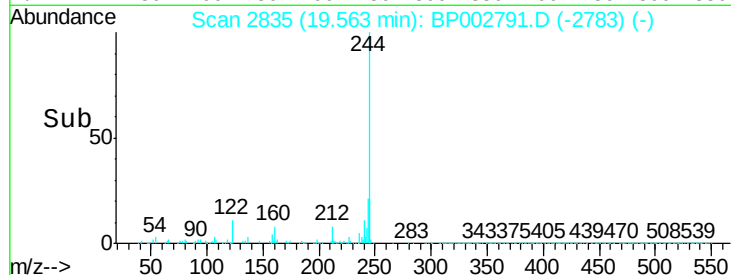
122 12.4 8.9 13.3



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: 18.645 ng

RT: 21.07 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

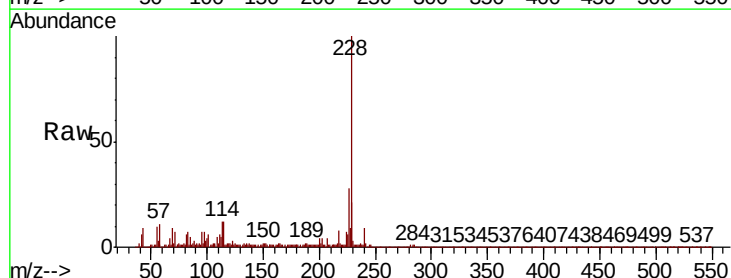
Tgt Ion:228 Resp: 683440

Ion Ratio Lower Upper

228 100

226 27.9 22.6 34.0

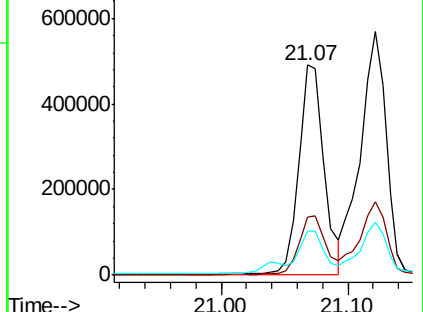
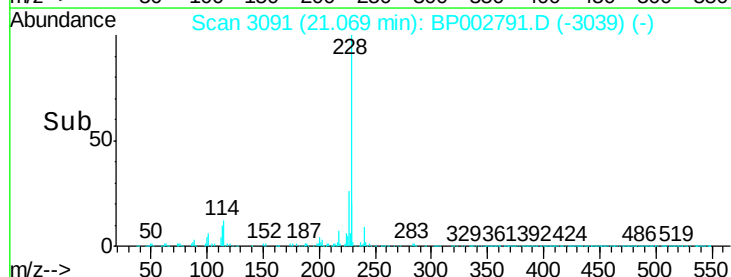
229 20.9 16.0 24.0

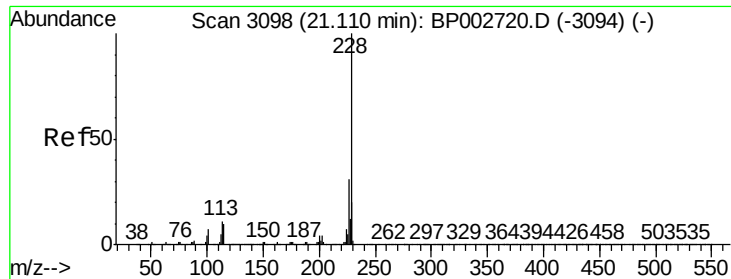


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 23.106 ng

RT: 21.12 min Scan# 3100

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

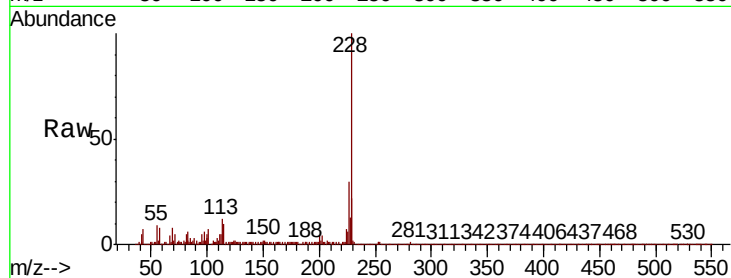
BNA_P

ClientSampleId :

CHRT-26948

Tot Ion:228 Resp: 806218

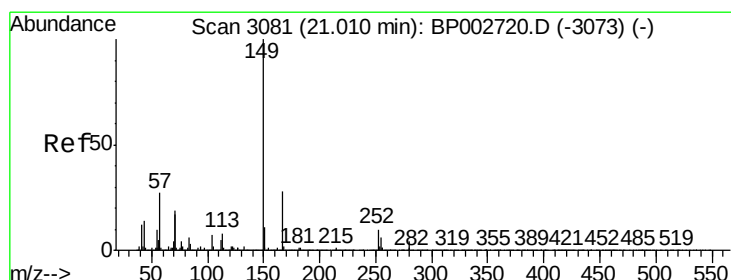
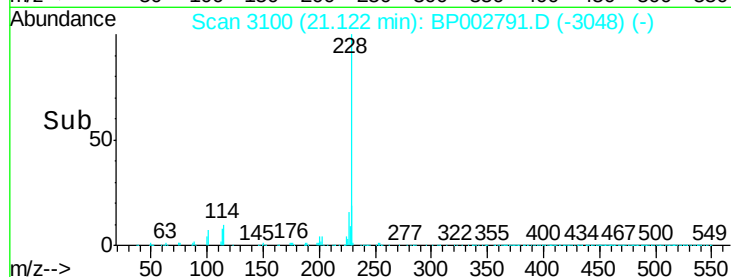
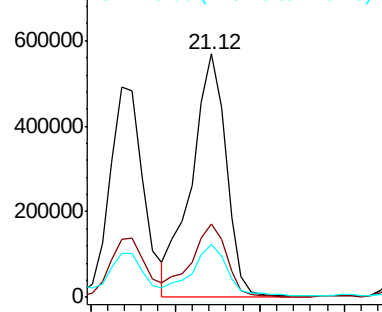
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	21.6	15.7	23.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.124 ng

RT: 21.02 min Scan# 3082

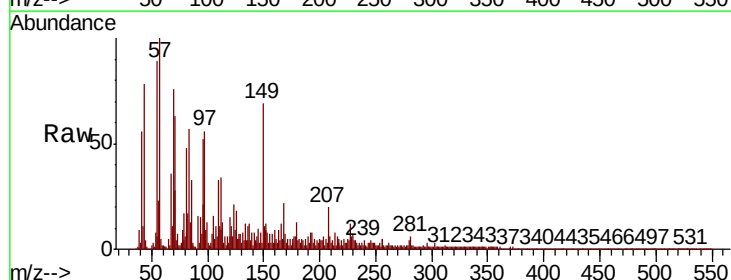
Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Tgt Ion:149 Resp: 45571

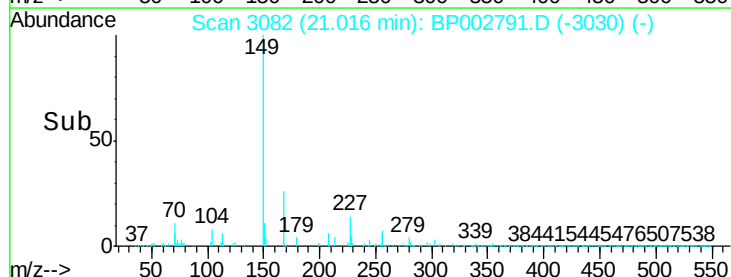
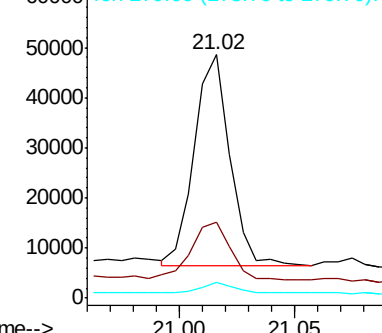
Ion	Ratio	Lower	Upper
149	100		
167	31.3	22.4	33.6
279	6.3	3.5	5.3

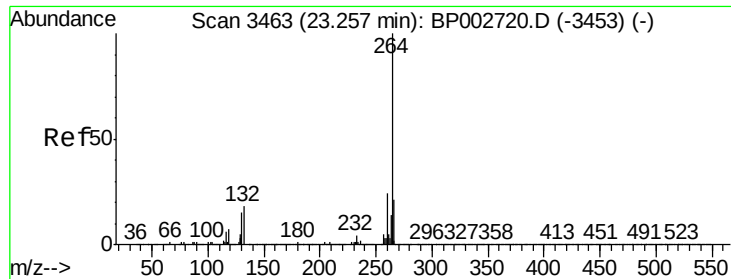


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

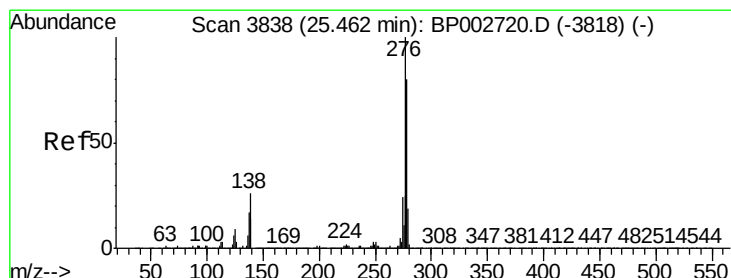
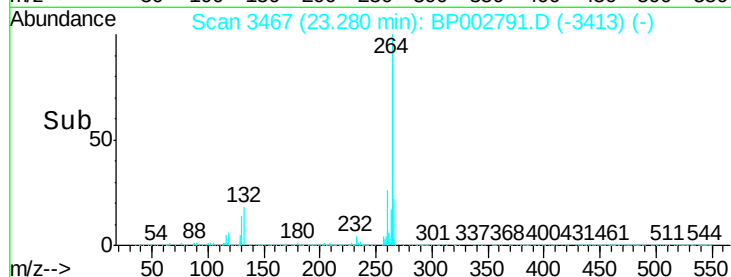
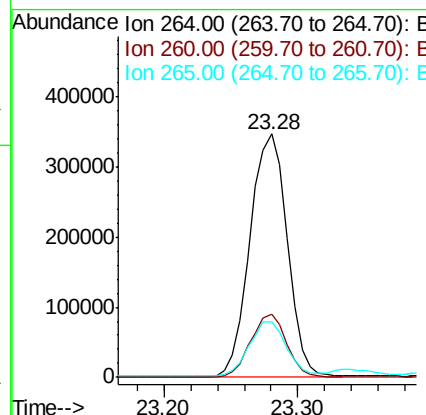
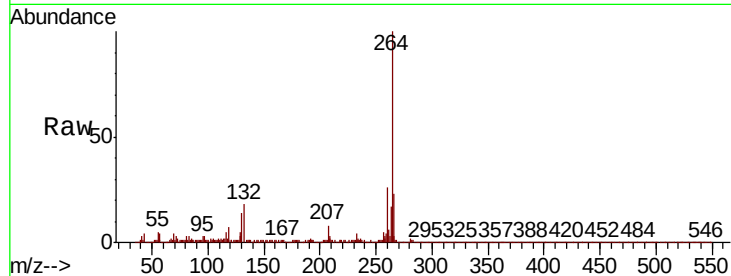




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.02 min
Lab File: BP002791.D
Acq: 17 Jul 2020 14:37

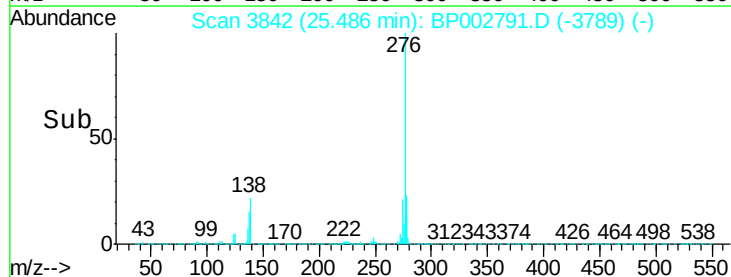
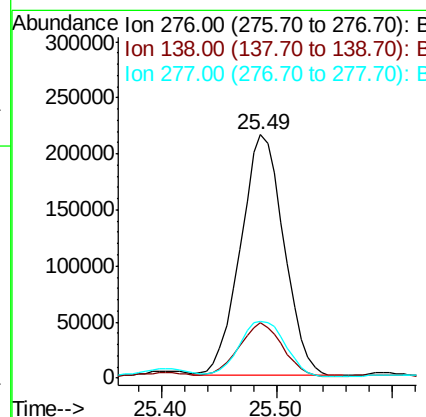
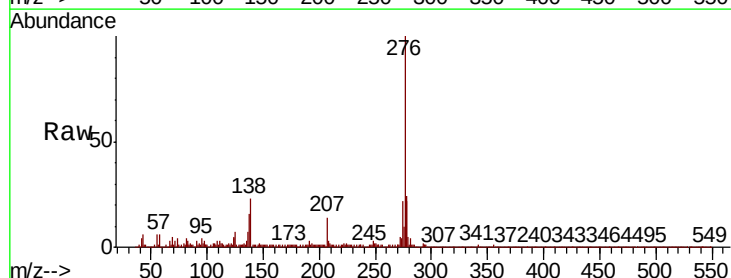
Instrument :
BNA_P
ClientSampleId :
CHRT-26948

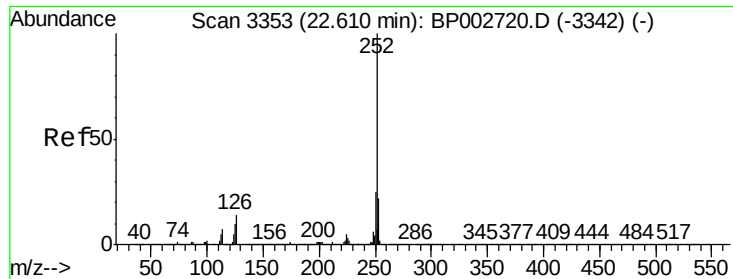
Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.3	28.9
265	22.7	16.8	25.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.645 ng
RT: 25.49 min Scan# 3842
Delta R.T. 0.01 min
Lab File: BP002791.D
Acq: 17 Jul 2020 14:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.8	31.2
277	25.0	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 27.350 ng m

RT: 22.63 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

BNA_P

ClientSampleId :

CHRT-26948

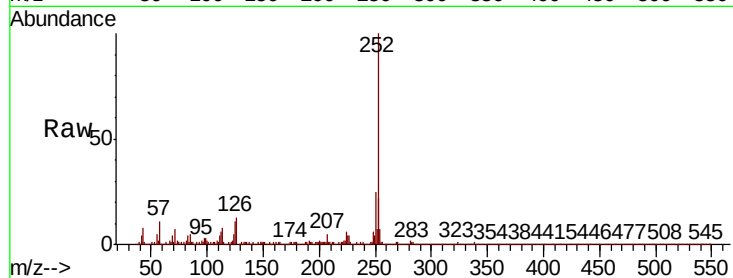
Tot Ion:252 Resp: 1132750

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

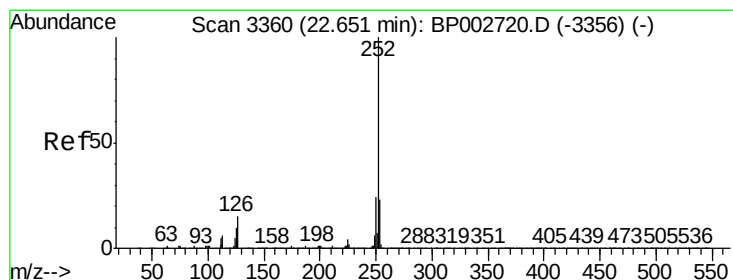
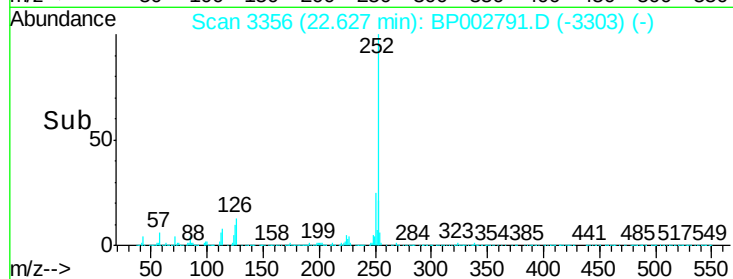
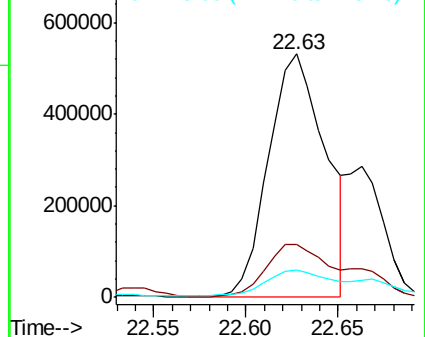
125 11.2 8.2 12.2



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: 9.599 ng m

RT: 22.66 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

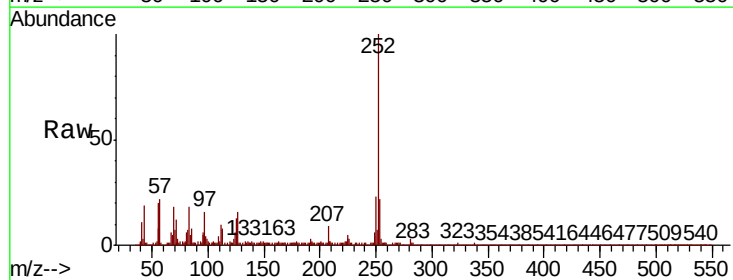
Tgt Ion:252 Resp: 391609

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

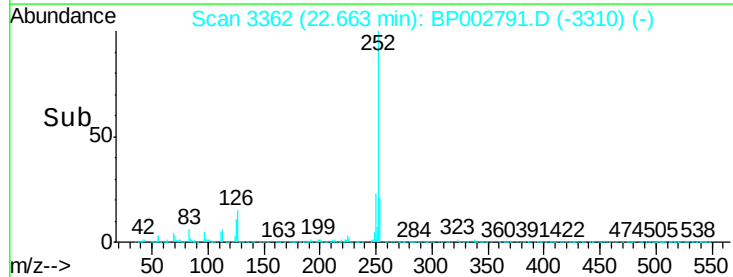
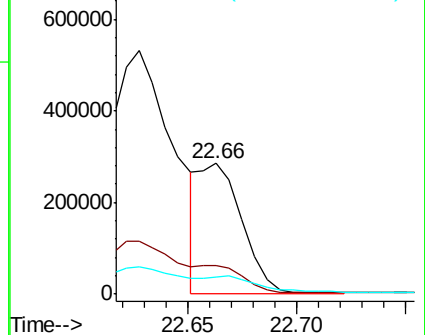
125 13.1 8.3 12.5#

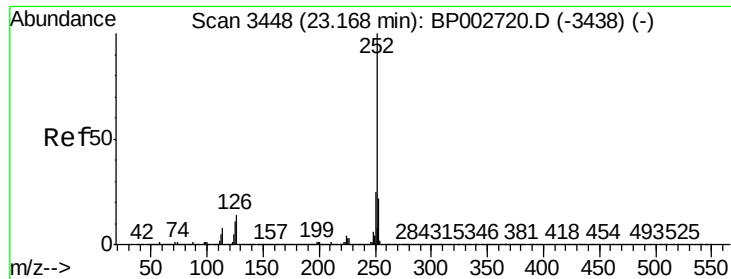


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 17.959 ng

RT: 23.19 min Scan# 3451

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

BNA_P

ClientSampleId :

CHRT-26948

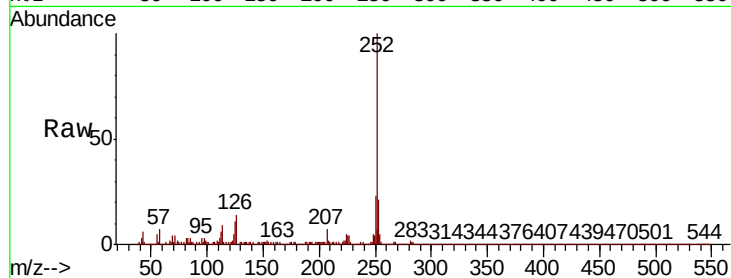
Tot Ion:252 Resp: 704844

Ion Ratio Lower Upper

252 100

253 21.0 17.6 26.4

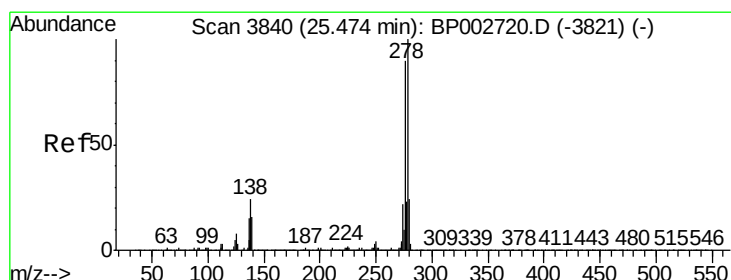
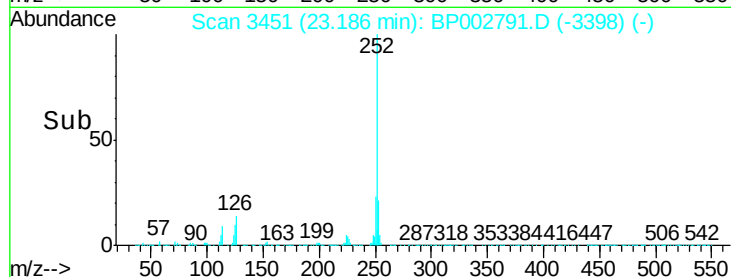
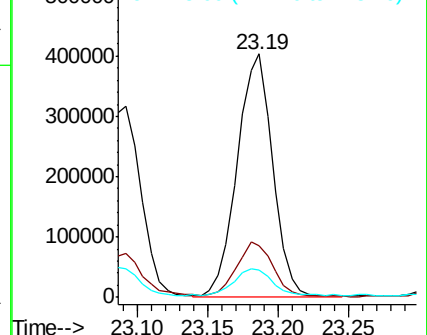
125 11.0 8.6 13.0



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

Dibenzo(a,h)anthracene

Concen: 3.508 ng

RT: 25.49 min Scan# 3842

Delta R.T. 0.01 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

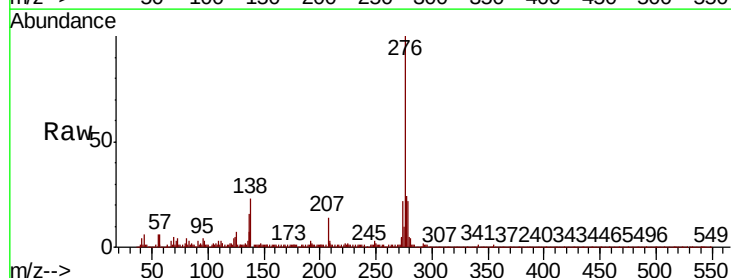
Tgt Ion:278 Resp: 136372

Ion Ratio Lower Upper

278 100

139 0.0 13.1 19.7#

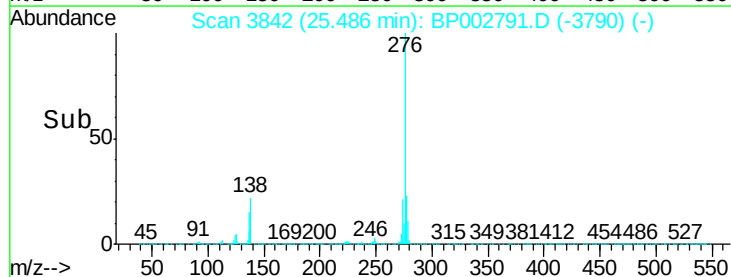
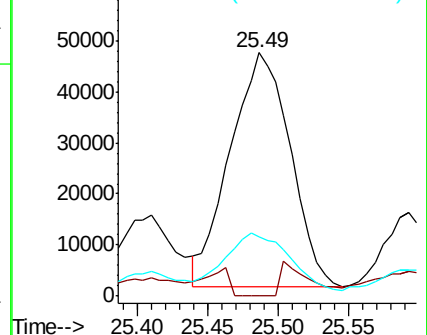
279 24.4 19.0 28.6

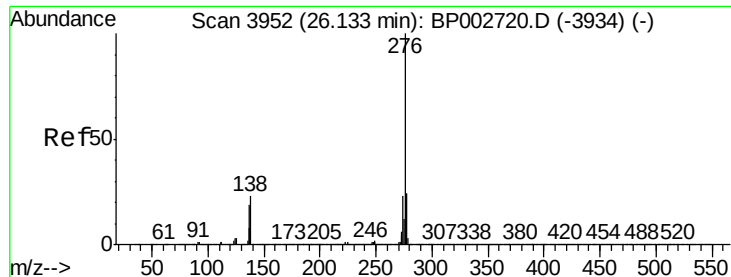


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 14.051 ng

RT: 26.16 min Scan# 3957

Delta R.T. 0.02 min

Lab File: BP002791.D

Acq: 17 Jul 2020 14:37

Instrument :

BNA_P

ClientSampleId :

CHRT-26948

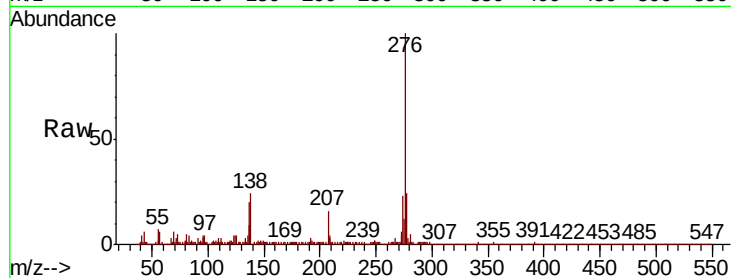
Tot Ion:276 Resp: 553853

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 23.9 18.3 27.5



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

