

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
 Data File : BP002869.D
 Acq On : 24 Jul 2020 23:56
 Operator : CG/JU
 Sample : L3383-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CRT-013

Quant Time: Jul 25 00:59:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 24 15:50:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	37308	20.00	ng	0.00
21) Naphthalene-d8	10.30	136	163211	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	114075	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	285804	20.00	ng	0.00
76) Chrysene-d12	21.05	240	405386	20.00	ng	0.00
86) Perylene-d12	23.23	264	491638	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	250345	113.21	ng	0.00
7) Phenol-d6	6.74	99	357468	113.27	ng	0.00
23) Nitrobenzene-d5	8.68	82	205881	67.47	ng	0.00
42) 2,4,6-Tribromophenol	15.69	330	142606	119.76	ng	0.00
45) 2-Fluorobiphenyl	12.80	172	491722	66.68	ng	0.00
79) Terphenyl-d14	19.53	244	1007553	56.98	ng	0.00

Target Compounds

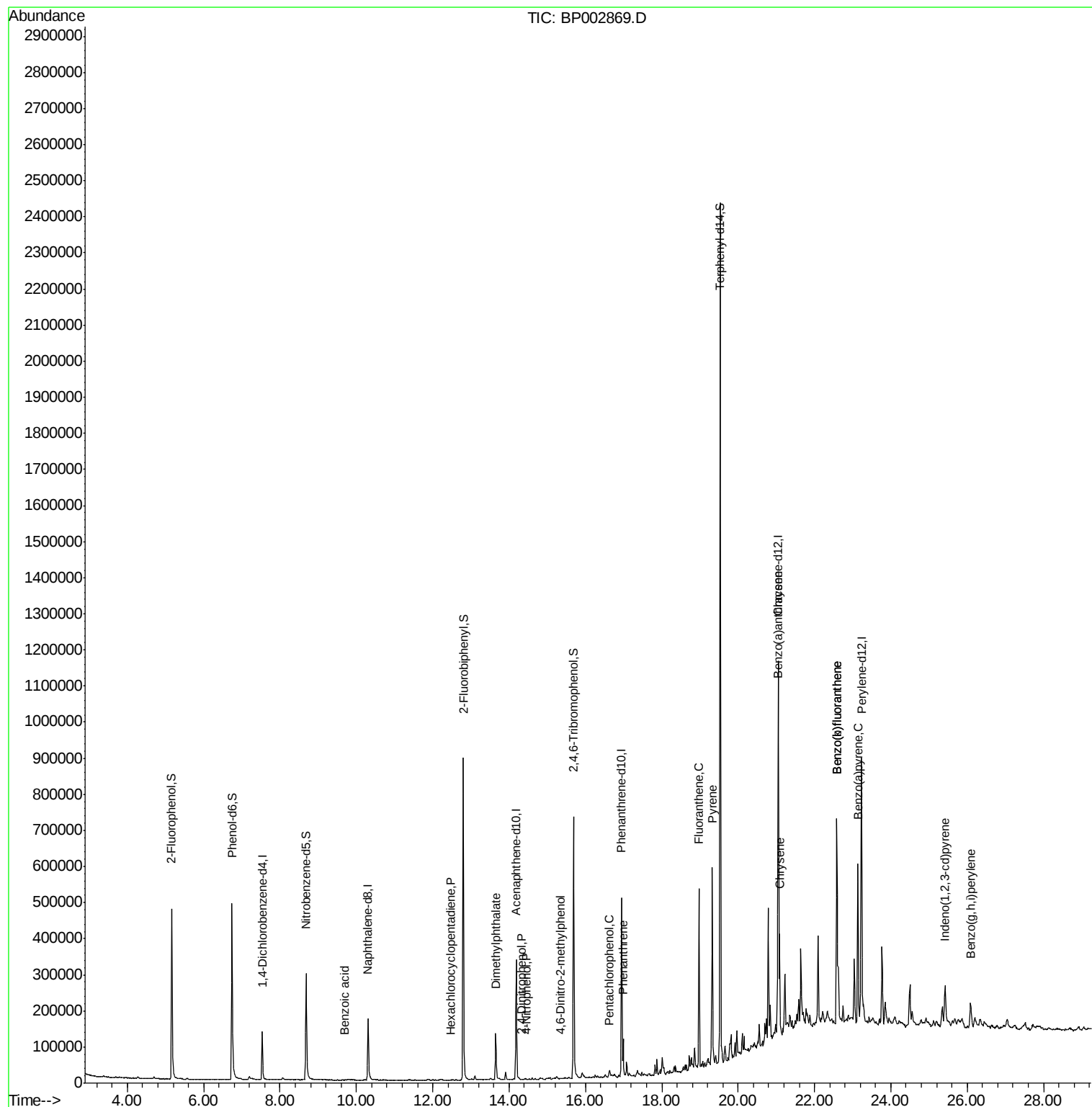
						Qvalue
32) Benzoic acid	9.69	122	50	7.086	ng	# 1
41) Hexachlorocyclopentadiene	12.46	237	34	7.454	ng	89
50) Dimethylphthalate	13.65	163	96813	11.128	ng	99
54) 2,4-Dinitrophenol	14.34	184	20	11.391	ng	# 1
56) 4-Nitrophenol	14.46	139	36	4.992	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.35	198	26	5.280	ng	# 1
70) Pentachlorophenol	16.63	266	4809	10.191	ng	95
71) Phenanthrene	16.99	178	60497	3.909	ng	99
75) Fluoranthene	18.97	202	276496	15.420	ng	99
78) Pyrene	19.33	202	321847	11.499	ng	99
81) Benzo(a)anthracene	21.04	228	158115	6.025	ng	95
83) Chrysene	21.09	228	165588	6.629	ng	94
87) Indeno(1,2,3-cd)pyrene	25.42	276	79996	2.251	ng	97
88) Benzo(b)fluoranthene	22.59	252	243041	7.961	ng	98
89) Benzo(k)fluoranthene	22.59	252	243041	8.083	ng	# 95
90) Benzo(a)pyrene	23.14	252	128822	4.453	ng	# 94
92) Benzo(a,h,i)perylene	26.09	276	73975	2.546	ng	98

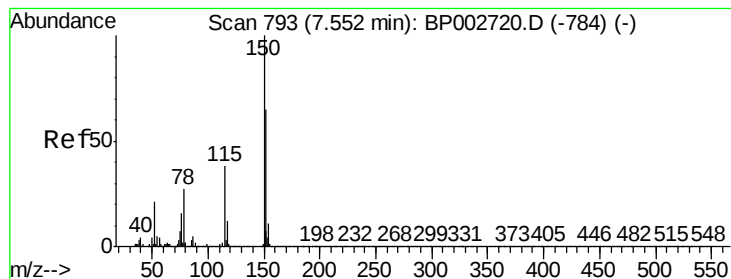
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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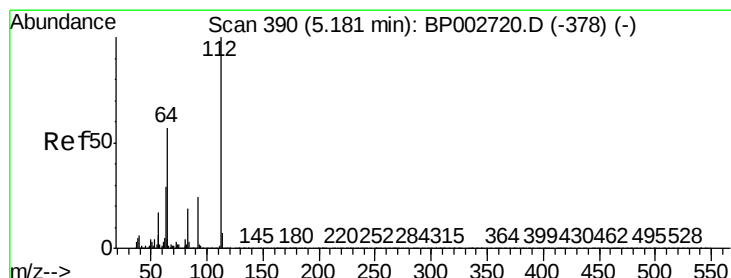
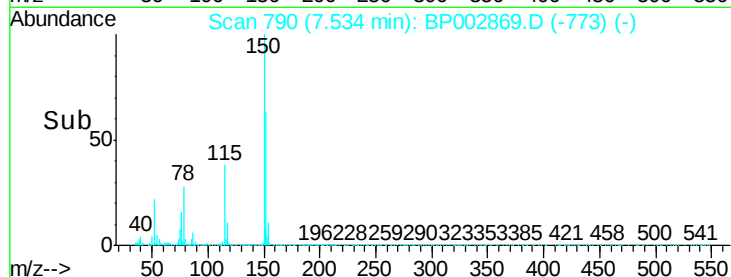
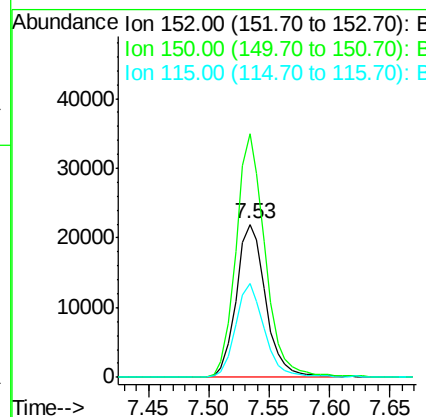
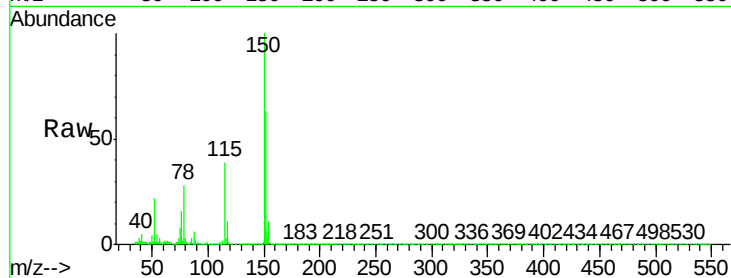


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.53 min Scan# 790
Delta R.T. -0.00 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

Instrument :
BNA_P
ClientSampled :
CRT-013

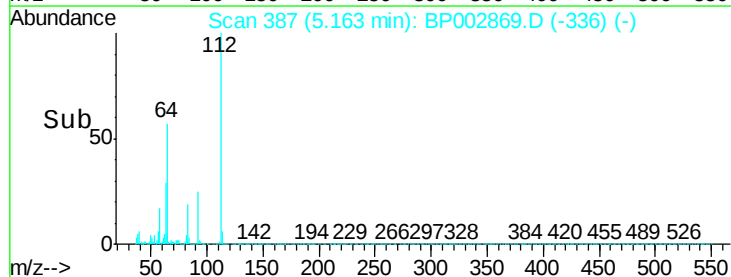
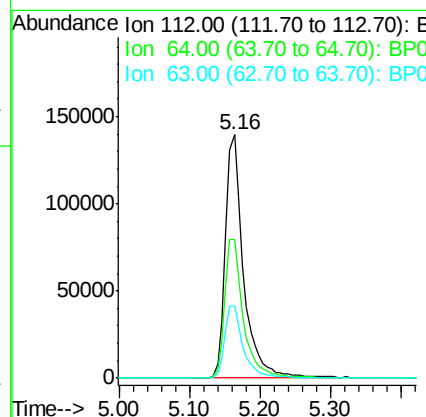
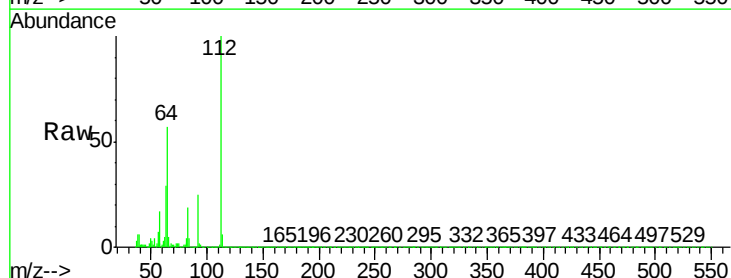
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	122.5	183.7
115	61.4	48.5	72.7

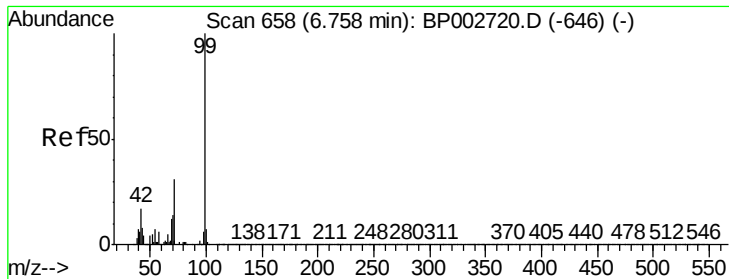


#5

2-Fluorophenol
Concen: 113.214 ng
RT: 5.16 min Scan# 387
Delta R.T. -0.00 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	48.1	72.1
63	29.5	24.9	37.3





#7

Phenol-d6

Concen: 113.272 ng

RT: 6.74 min Scan# 655

Delta R.T. -0.00 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

Instrument :

BNA_P

ClientSampleId :

CRT-013

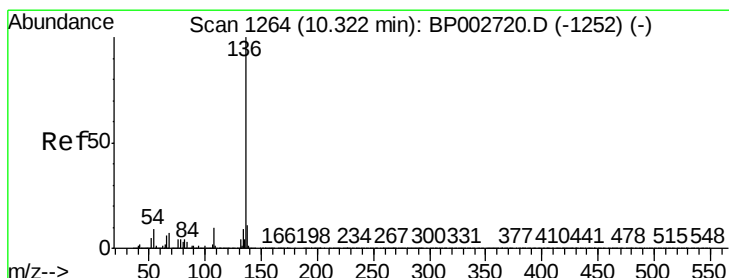
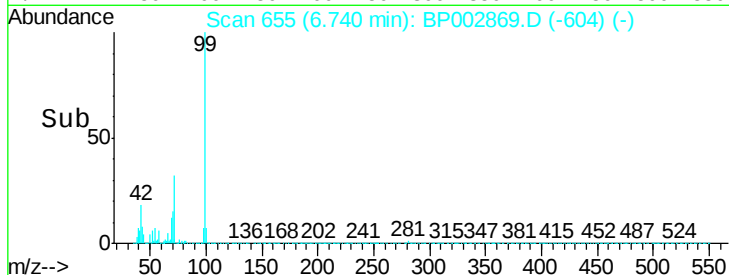
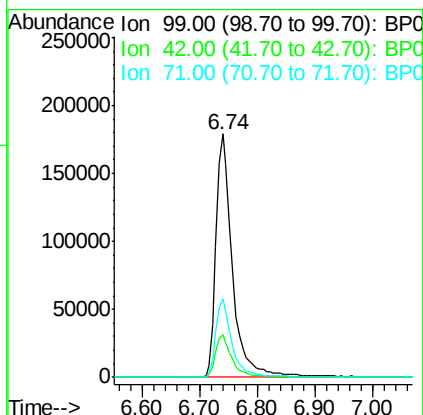
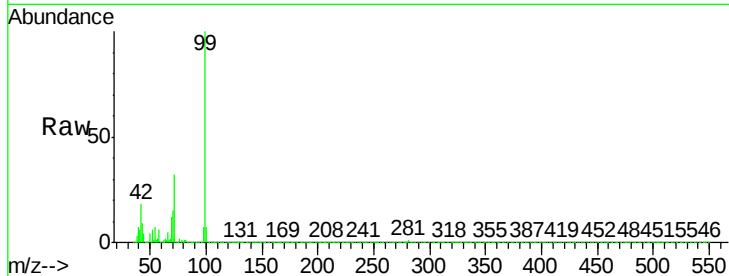
Tot Ion: 99 Resp: 357468

Ion Ratio Lower Upper

99 100

42 17.6 14.2 21.4

71 32.0 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.30 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

Tgt Ion: 136 Resp: 163211

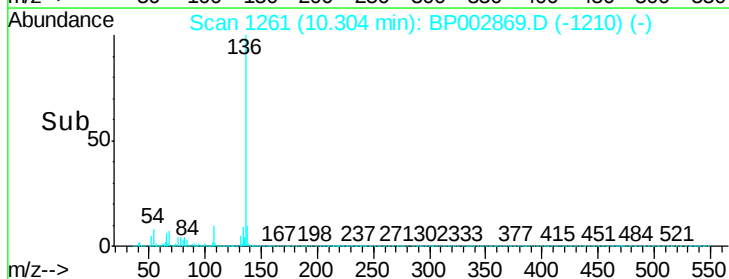
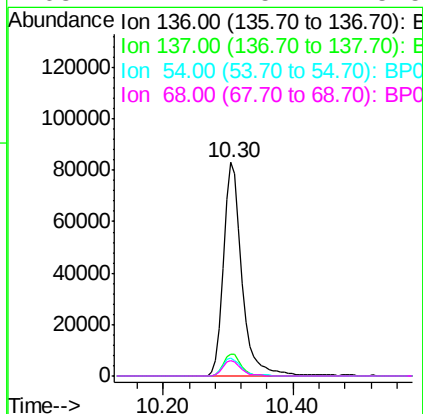
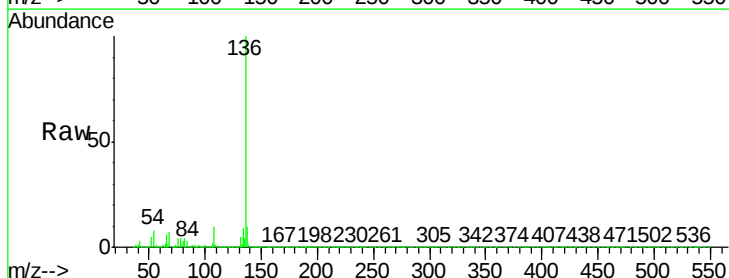
Ion Ratio Lower Upper

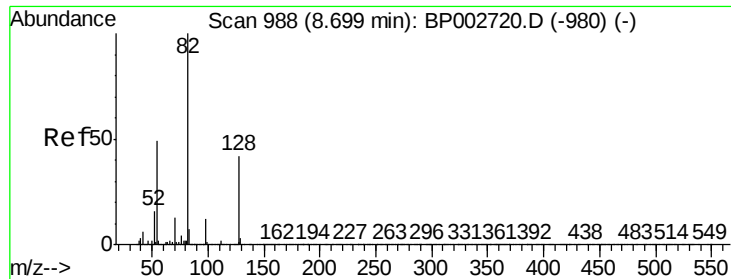
136 100

137 10.4 8.8 13.2

54 8.2 7.3 10.9

68 7.4 5.7 8.5

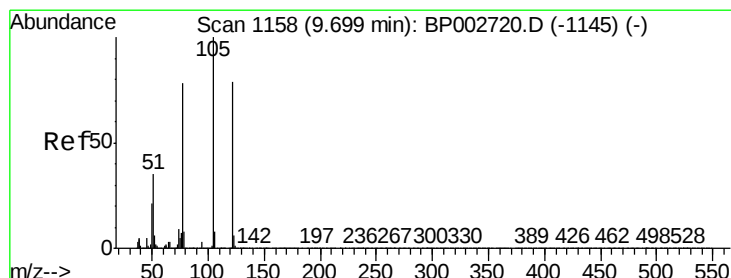
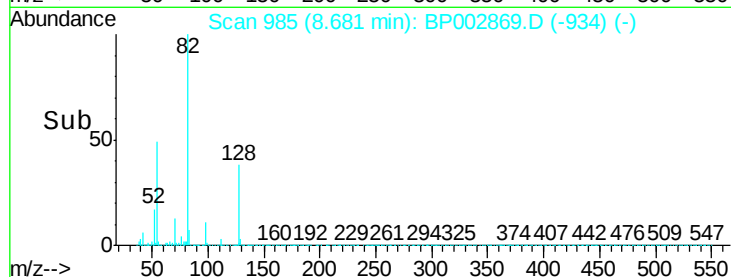
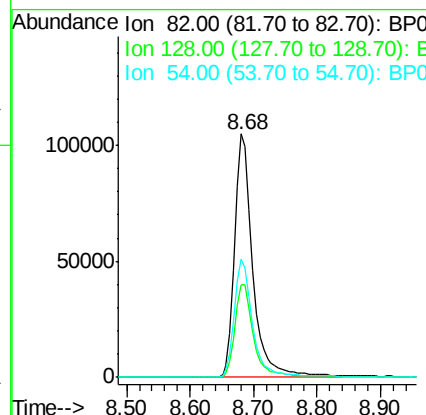
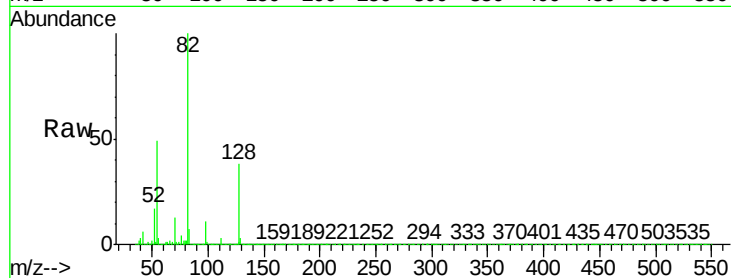




#23
 Nitrobenzene-d5
 Concen: 67.466 ng
 RT: 8.68 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: BP002869.D
 Acq: 24 Jul 2020 23:56

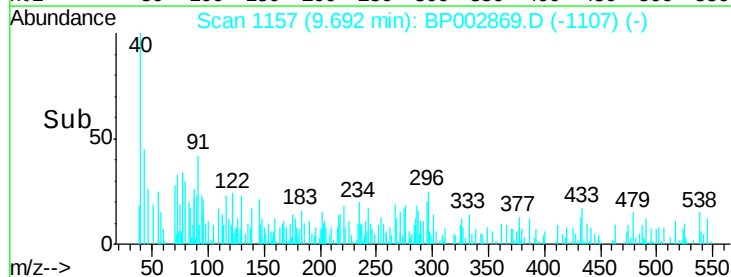
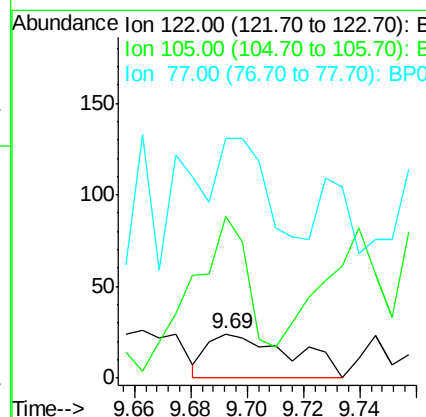
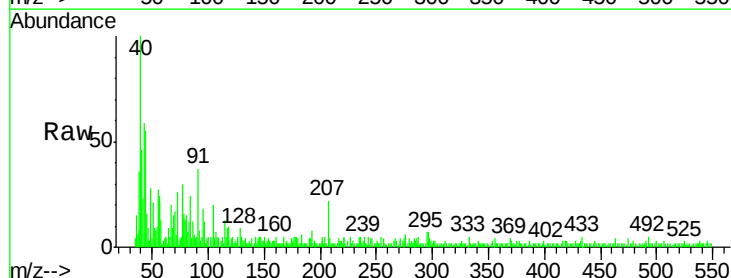
Instrument :
 BNA_P
 ClientSampled :
 CRT-013

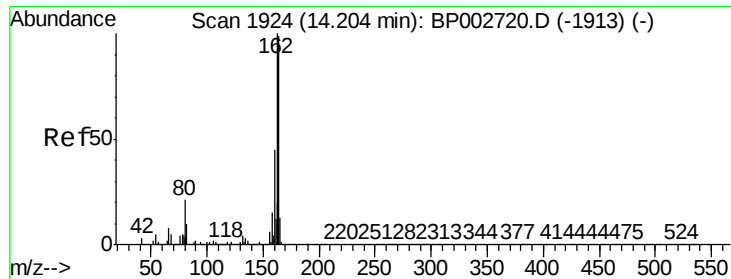
Tot Ion	82	Resp	205881
Ion Ratio	Lower	Upper	
82	100		
128	38.3	32.6	49.0
54	48.7	38.9	58.3



#32
 Benzoic acid
 Concen: 7.086 ng
 RT: 9.69 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BP002869.D
 Acq: 24 Jul 2020 23:56

Tgt Ion	122	Resp	50
Ion Ratio	Lower	Upper	
122	100		
105	366.7	101.9	141.9#
77	545.8	78.0	118.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.19 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

Instrument :

BNA_P

ClientSampled :

CRT-013

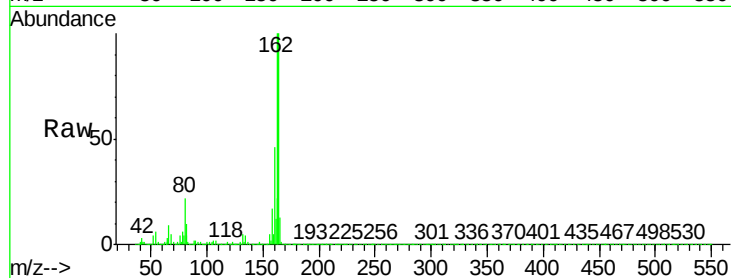
Tot Ion:164 Resp: 114075

Ion Ratio Lower Upper

164 100

162 100.1 78.4 117.6

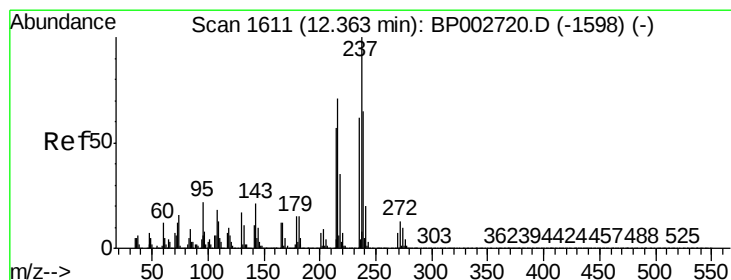
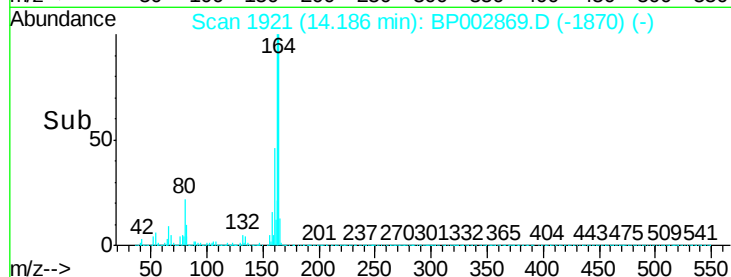
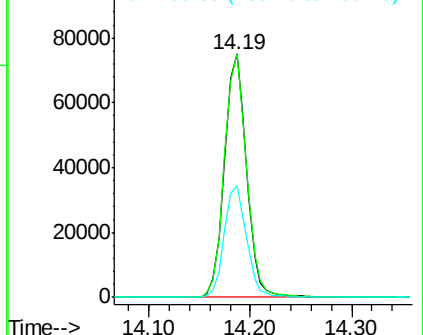
160 46.0 36.1 54.1



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



#41

Hexachlorocyclopentadiene

Concen: 7.454 ng

RT: 12.46 min Scan# 1628

Delta R.T. 0.12 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

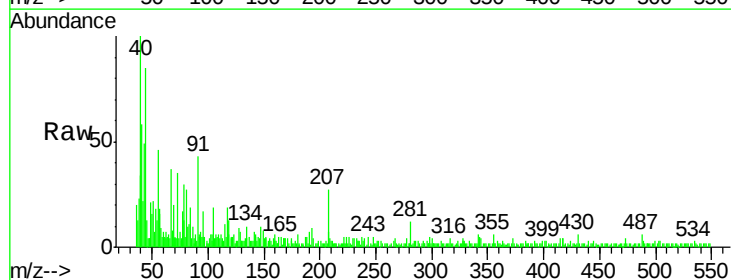
Tgt Ion:237 Resp: 34

Ion Ratio Lower Upper

237 100

235 57.1 40.9 80.9

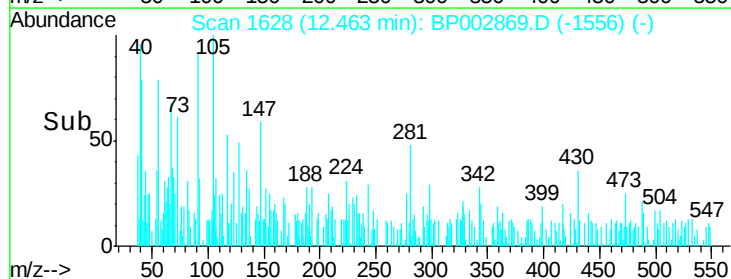
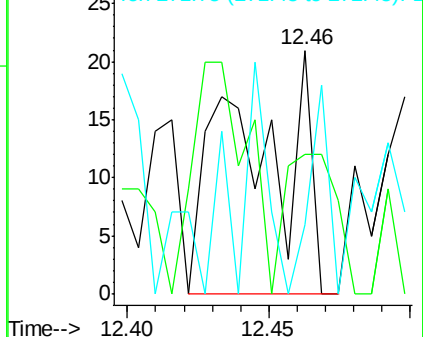
272 28.6 0.0 32.1

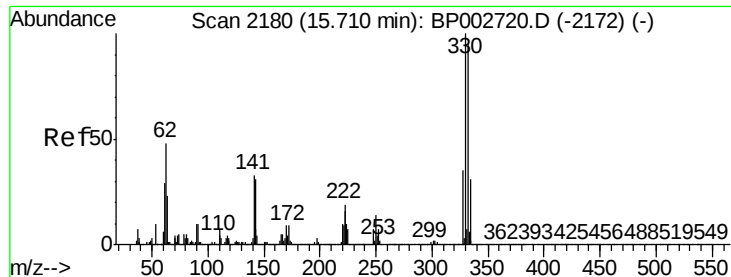


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

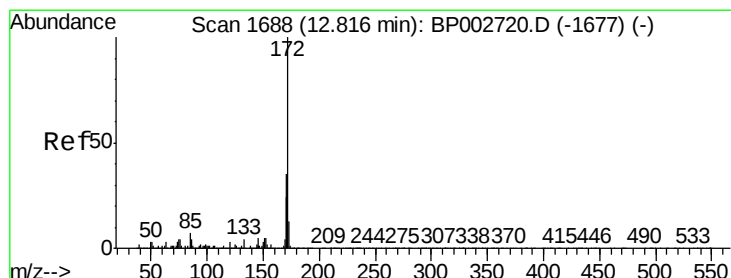
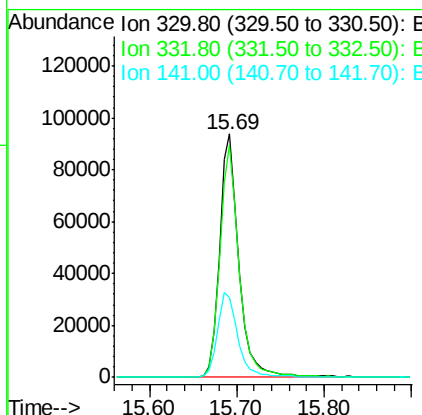
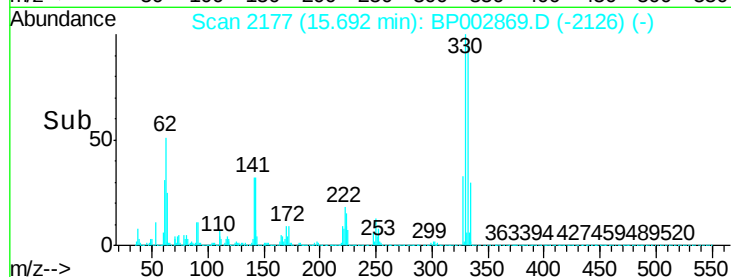
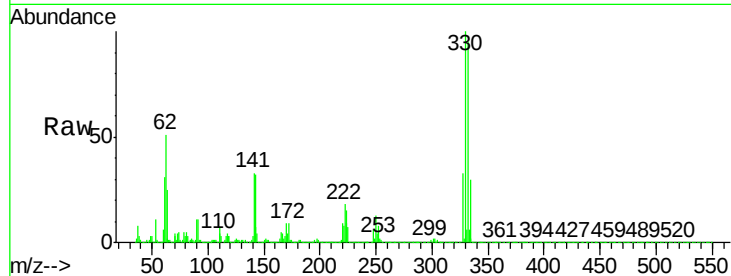




#42
 2,4,6-Tribromophenol
 Concen: 119.760 ng
 RT: 15.69 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: BP002869.D
 Acq: 24 Jul 2020 23:56

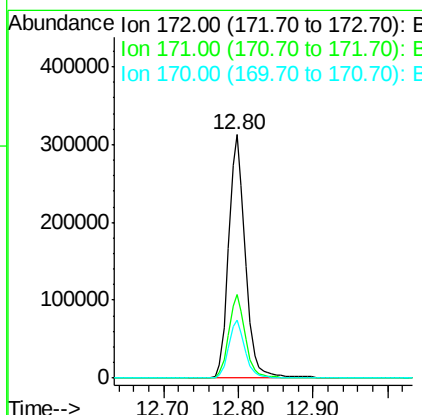
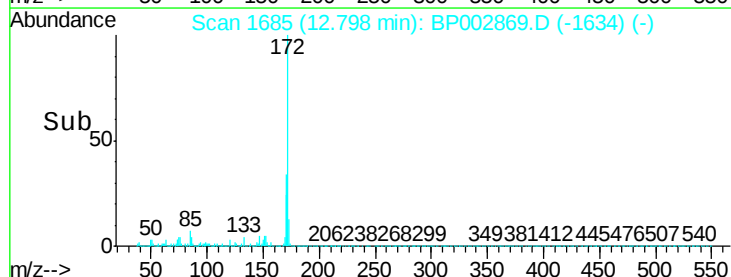
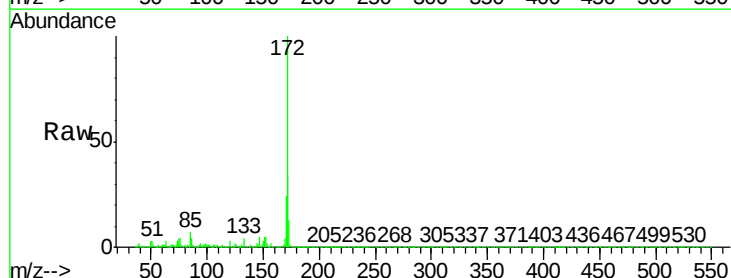
Instrument :
 BNA_P
 ClientSampleId :
 CRT-013

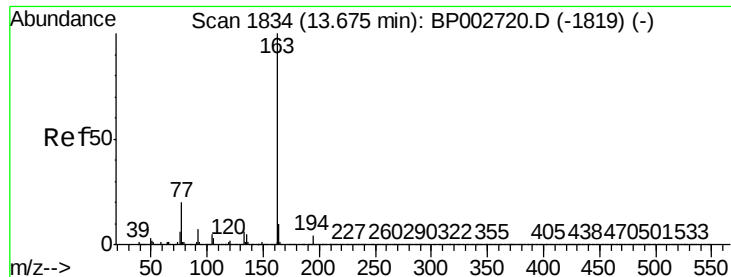
Tot Ion:330 Resp: 142606
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.6 116.4
 141 37.0 29.0 43.6



#45
 2-Fluorobiphenyl
 Concen: 66.683 ng
 RT: 12.80 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: BP002869.D
 Acq: 24 Jul 2020 23:56

Tgt Ion:172 Resp: 491722
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.0 40.4
 170 23.6 19.4 29.2





#50

Dimethylphthalate

Concen: 11.128 ng

RT: 13.65 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

Instrument :

BNA_P

ClientSampleId :

CRT-013

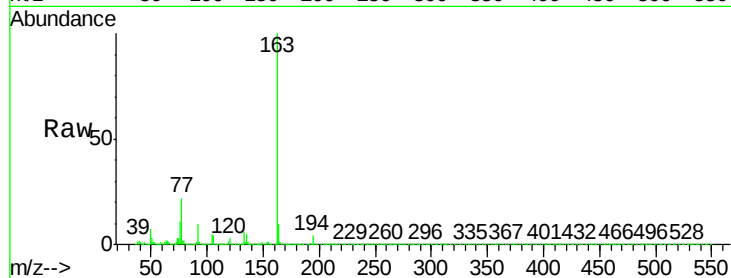
Tot Ion:163 Resp: 96813

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

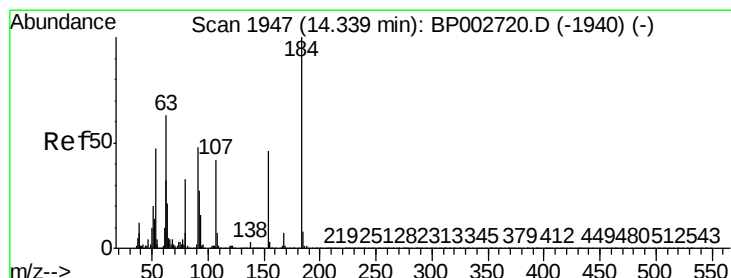
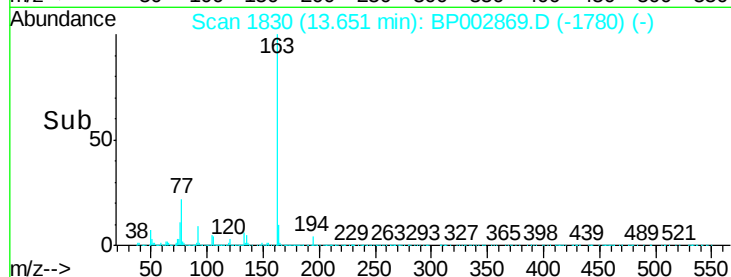
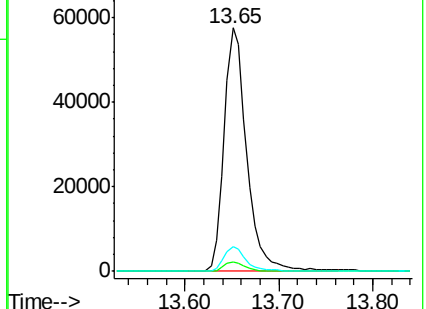
164 9.9 8.2 12.2



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



#54

2,4-Dinitrophenol

Concen: 11.391 ng

RT: 14.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

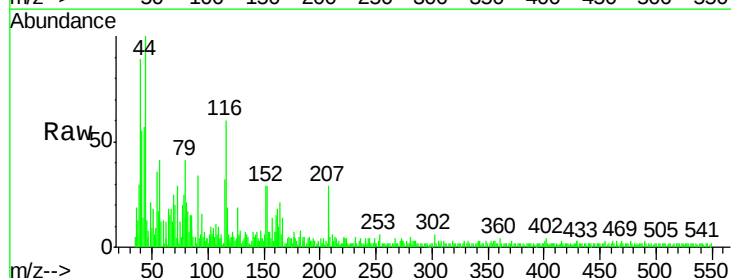
Tgt Ion:184 Resp: 20

Ion Ratio Lower Upper

184 100

63 228.0 55.4 83.0#

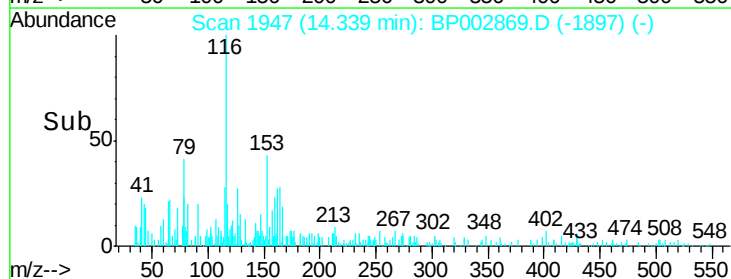
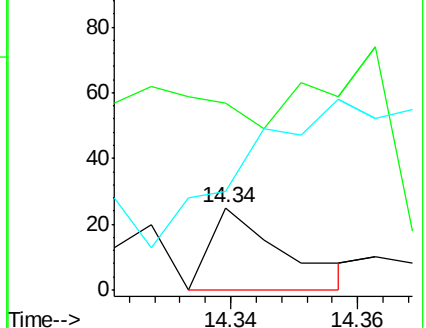
154 120.0 47.5 71.3#

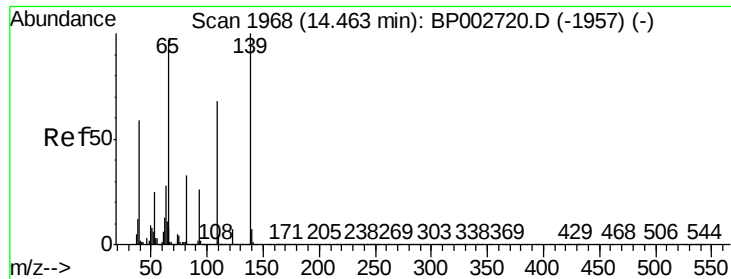


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

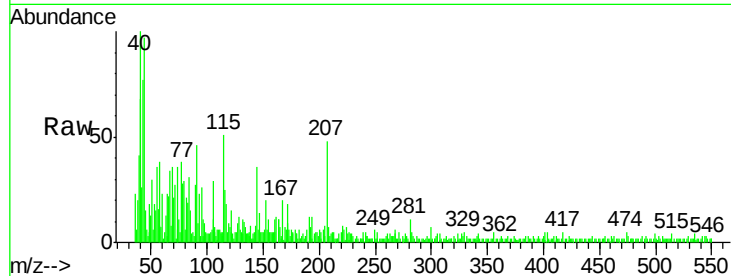




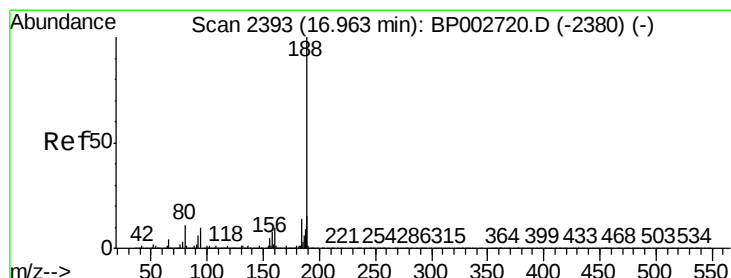
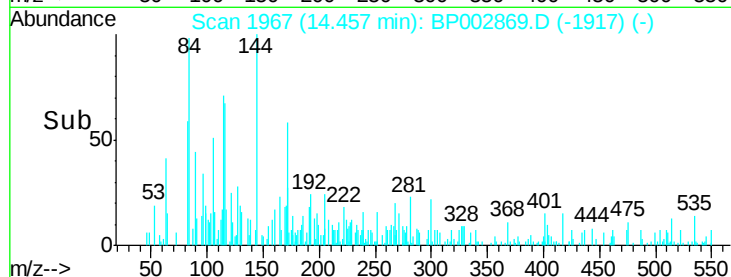
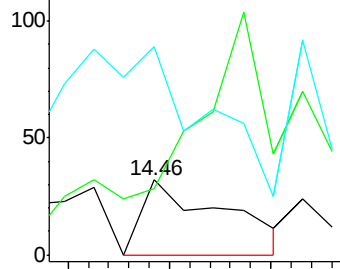
#56
4-Nitrophenol
Concen: 4.992 ng
RT: 14.46 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

Instrument :
BNA_P
ClientSampleId :
CRT-013

Tot Ion:139 Resp: 36
Ion Ratio Lower Upper
139 100
109 87.5 55.2 95.2
65 278.1 84.7 124.7#

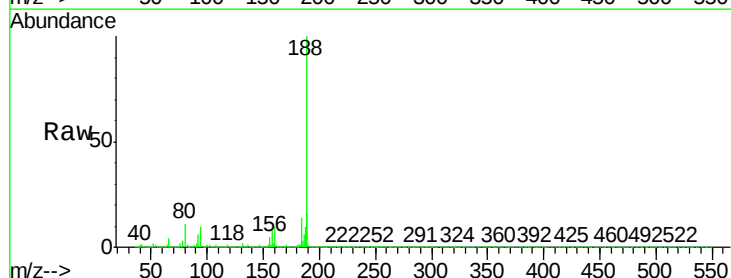


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BP0

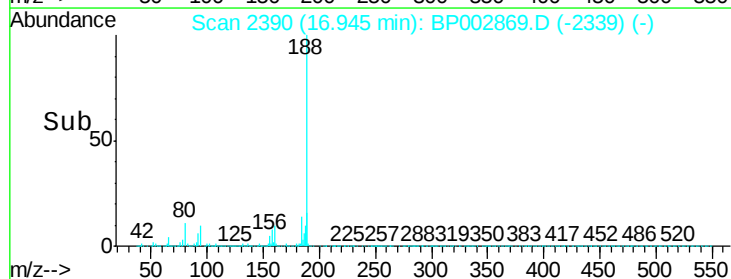
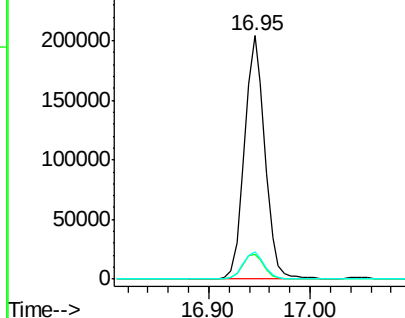


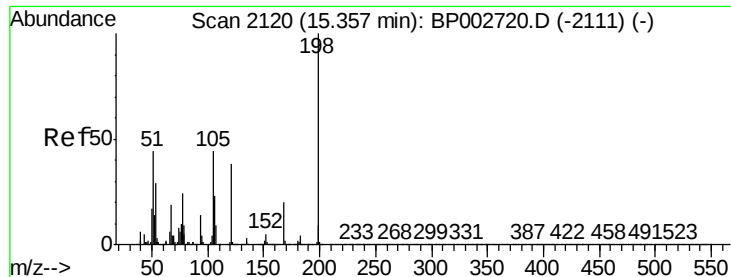
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2390
Delta R.T. -0.00 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

Tgt Ion:188 Resp: 285804
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.0 9.0 13.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BP0
Ion 80.00 (79.70 to 80.70): BP0

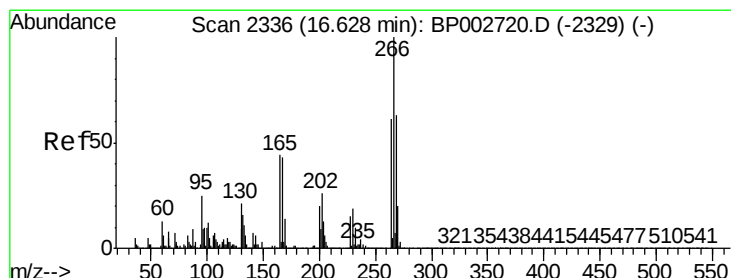
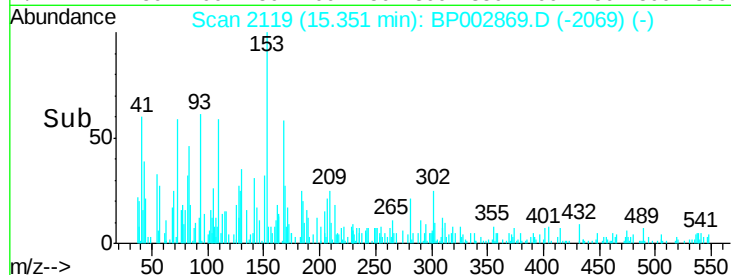
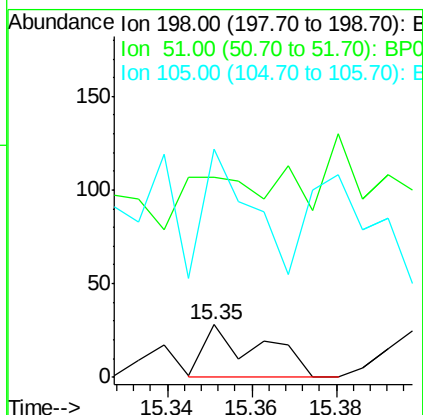
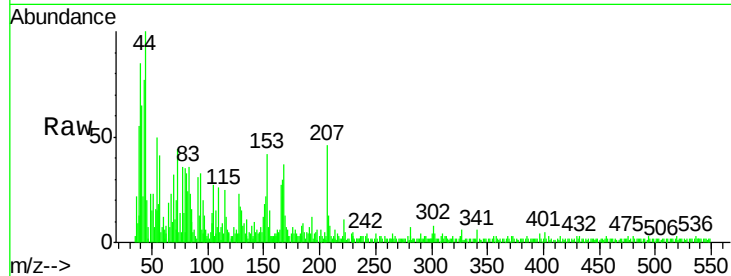




#65
4,6-Dinitro-2-methylphenol
Concen: 5.280 ng
RT: 15.35 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

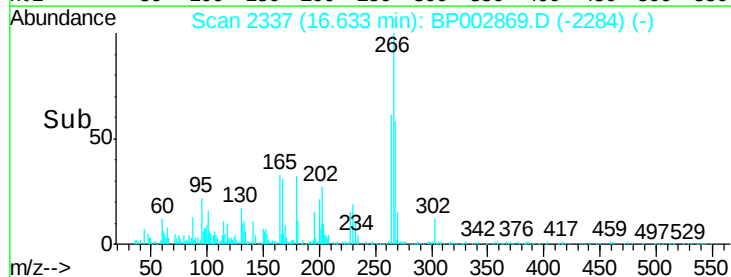
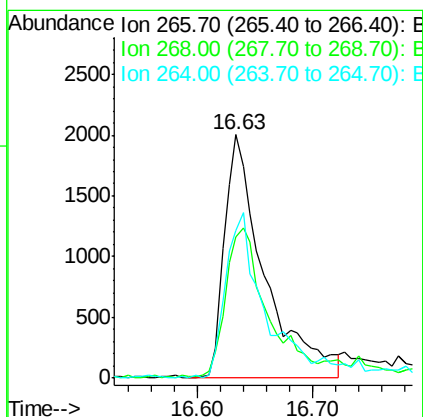
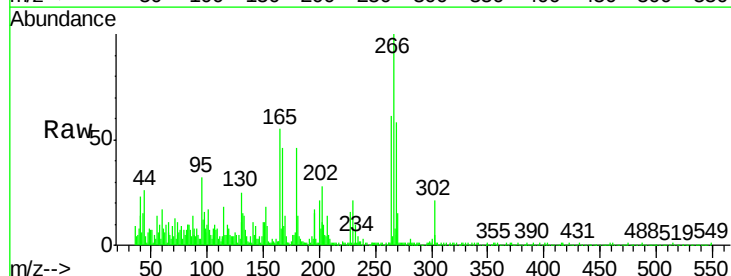
Instrument :
BNA_P
ClientSampleId :
CRT-013

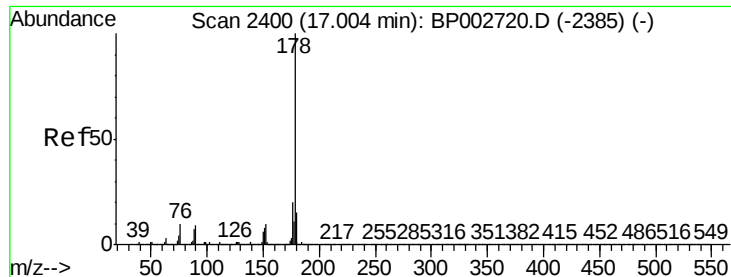
Tot Ion:198 Resp: 26
Ion Ratio Lower Upper
198 100
51 382.1 25.1 65.1#
105 435.7 24.6 64.6#



#70
Pentachlorophenol
Concen: 10.191 ng
RT: 16.63 min Scan# 2337
Delta R.T. 0.01 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

Tgt Ion:266 Resp: 4809
Ion Ratio Lower Upper
266 100
268 58.2 51.2 76.8
264 60.6 50.2 75.4





#71

Phenanthrene

Concen: 3.909 ng

RT: 16.99 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

Instrument :

BNA_P

ClientSampleId :

CRT-013

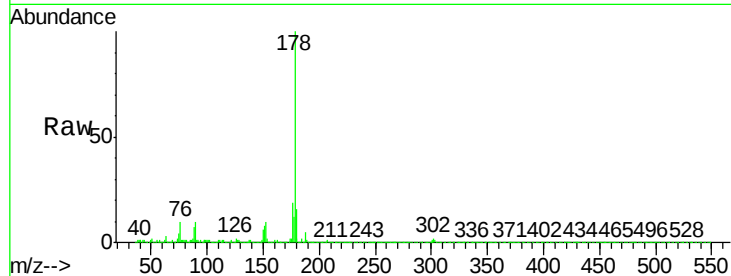
Tot Ion:178 Resp: 60497

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

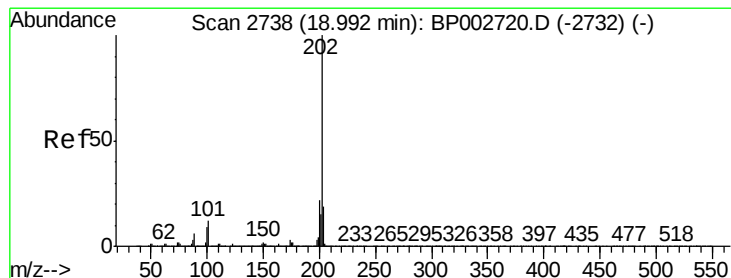
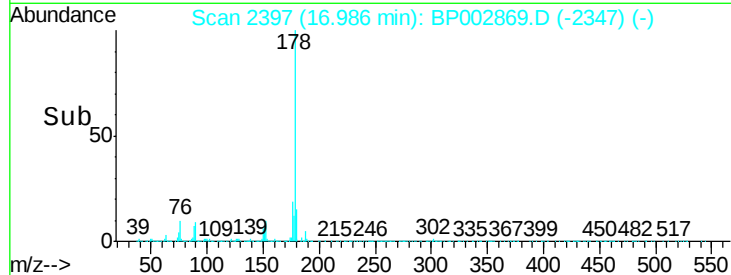
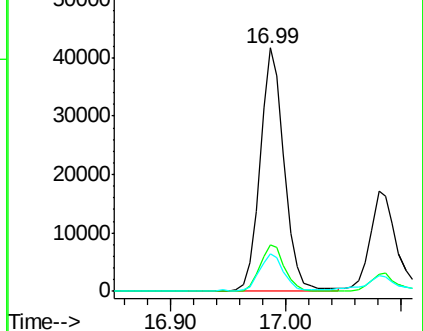
179 15.6 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 15.420 ng

RT: 18.97 min Scan# 2735

Delta R.T. -0.00 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

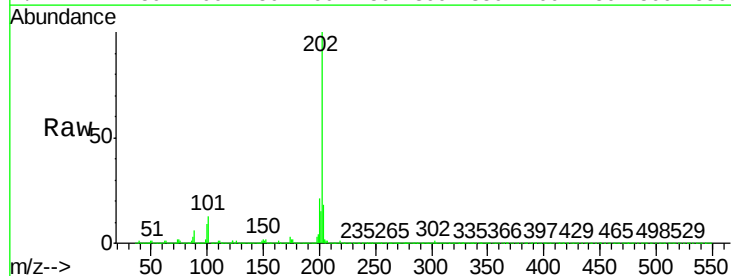
Tgt Ion:202 Resp: 276496

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.0

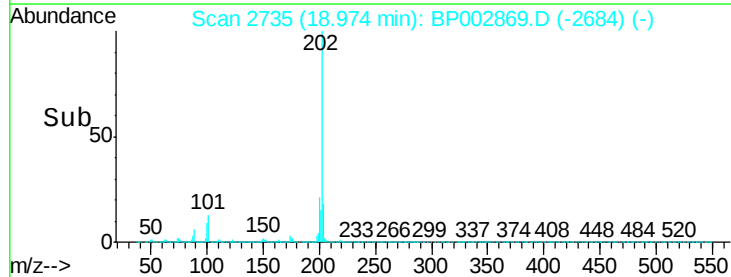
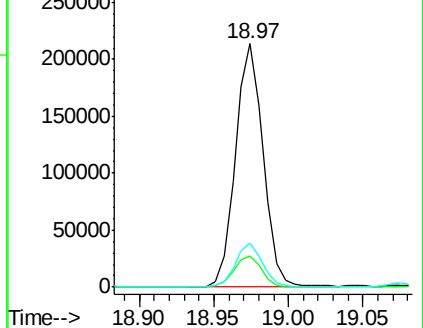
203 17.9 0.0 38.1

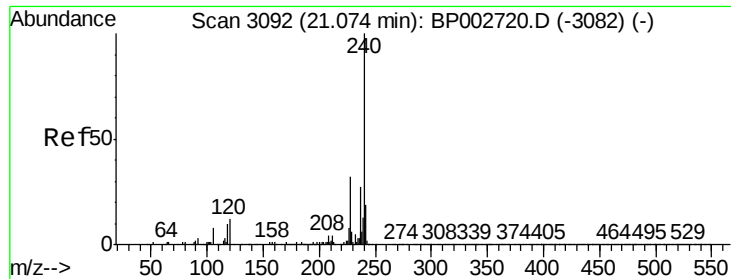


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

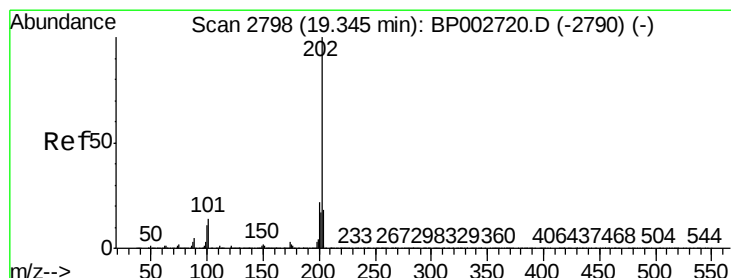
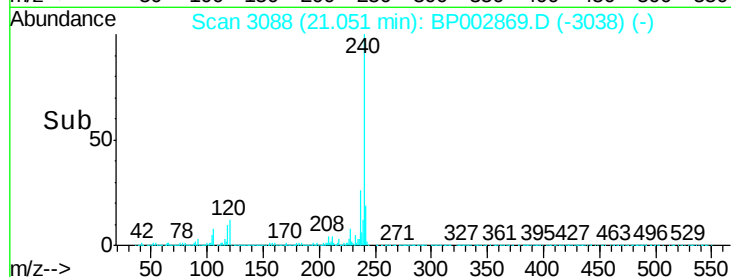
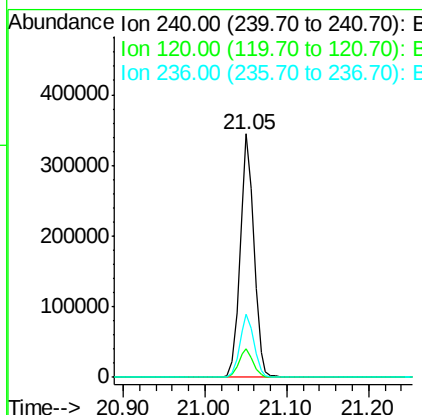
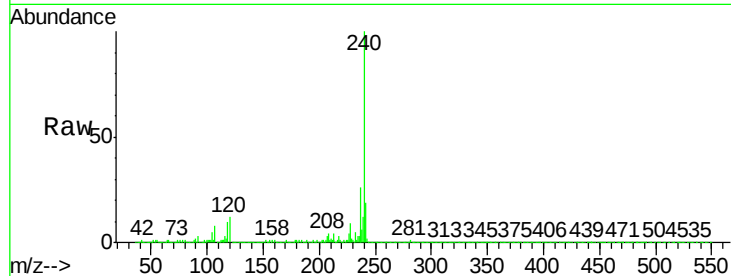




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.05 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

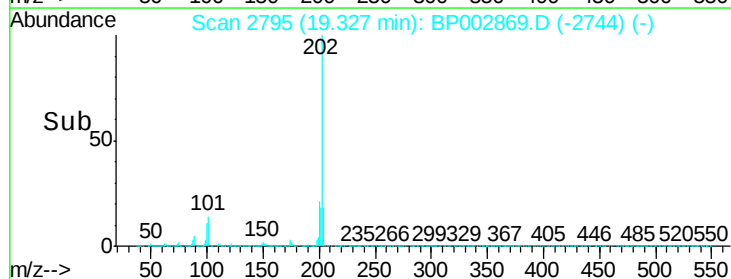
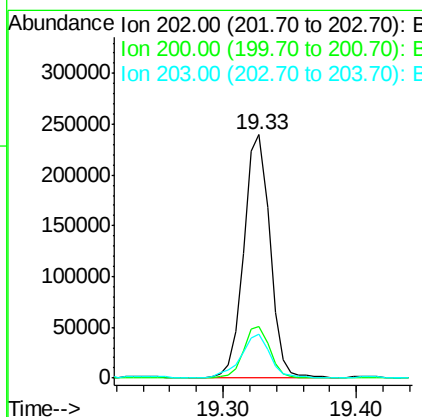
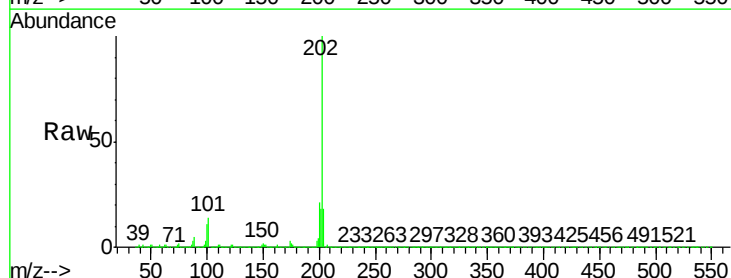
Instrument :
BNA_P
ClientSampleId :
CRT-013

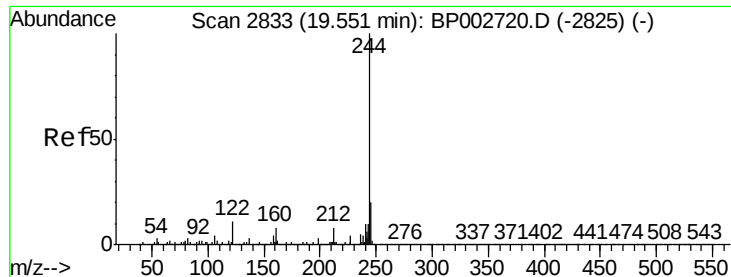
Tot Ion:240 Resp: 405386
Ion Ratio Lower Upper
240 100
120 11.9 9.2 13.8
236 25.7 20.3 30.5



#78
Pyrene
Concen: 11.499 ng
RT: 19.33 min Scan# 2795
Delta R.T. -0.00 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

Tgt Ion:202 Resp: 321847
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 18.2 13.8 20.8





#79

Terphenyl-d14

Concen: 56.984 ng

RT: 19.53 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

Instrument :

BNA_P

ClientSampled :

CRT-013

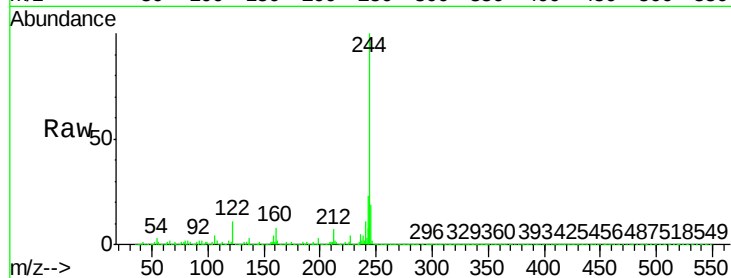
Tot Ion:244 Resp: 1007553

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

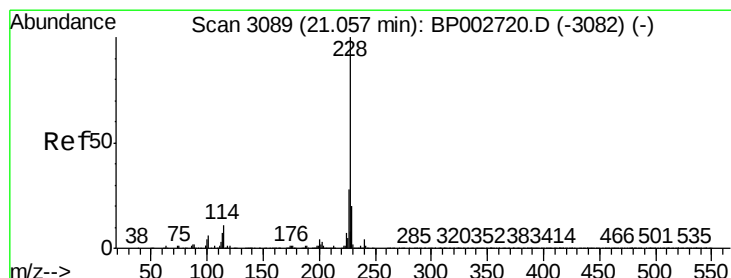
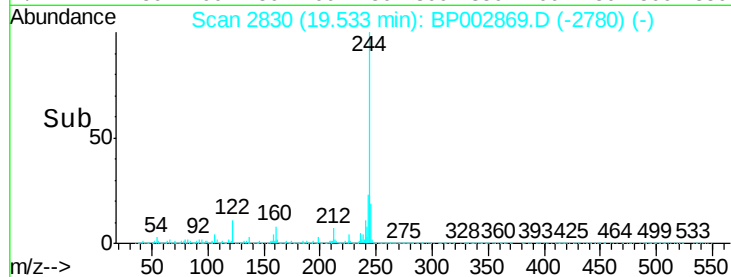
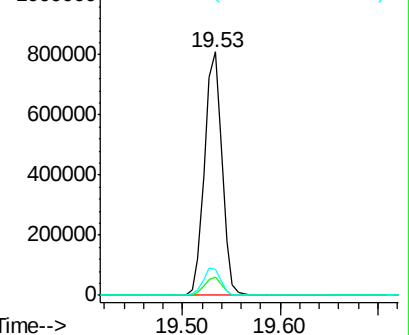
122 10.7 7.9 11.9



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: 6.025 ng

RT: 21.04 min Scan# 3086

Delta R.T. -0.00 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

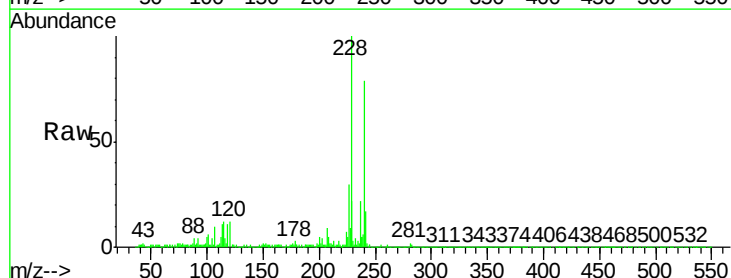
Tgt Ion:228 Resp: 158115

Ion Ratio Lower Upper

228 100

226 29.6 21.8 32.6

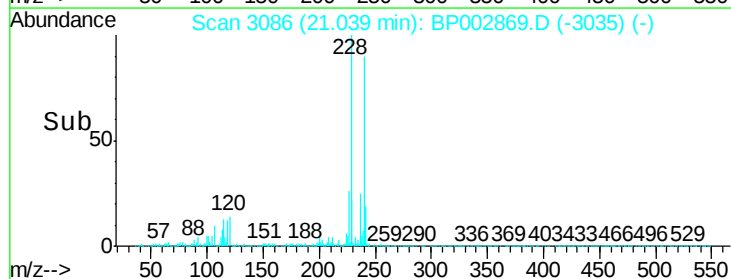
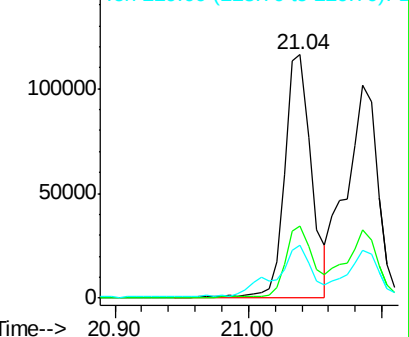
229 21.7 15.8 23.6

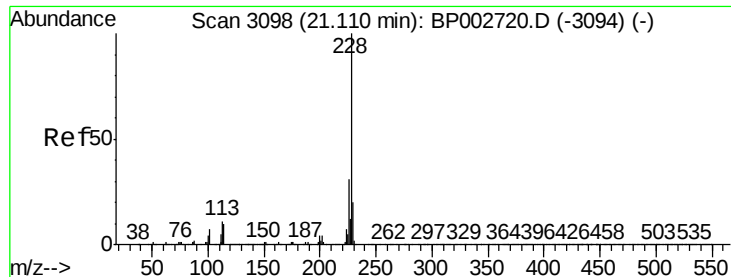


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.629 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

Instrument :

BNA_P

ClientSampleId :

CRT-013

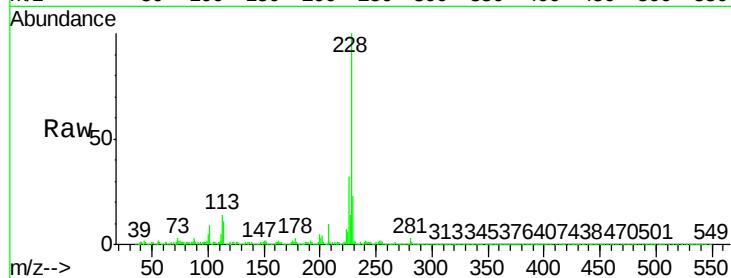
Tot Ion:228 Resp: 165588

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.2

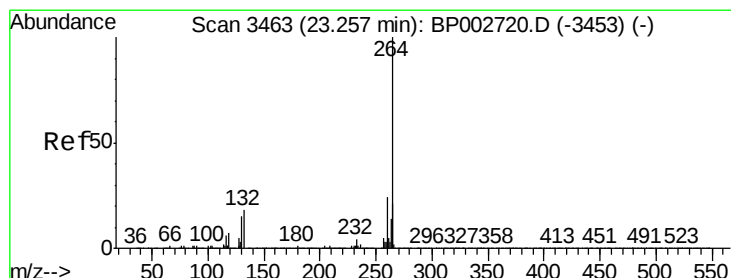
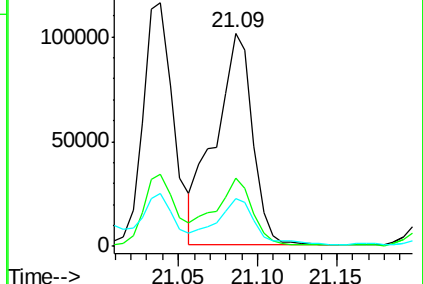
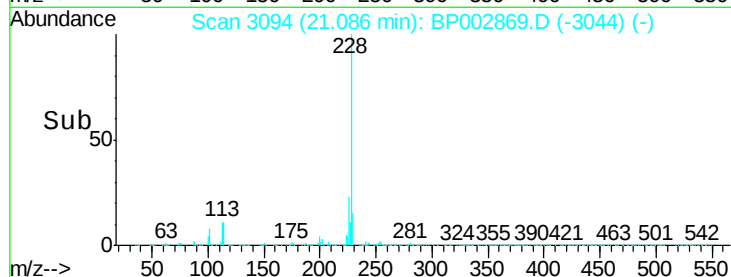
229 22.6 15.2 22.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.23 min Scan# 3458

Delta R.T. -0.01 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

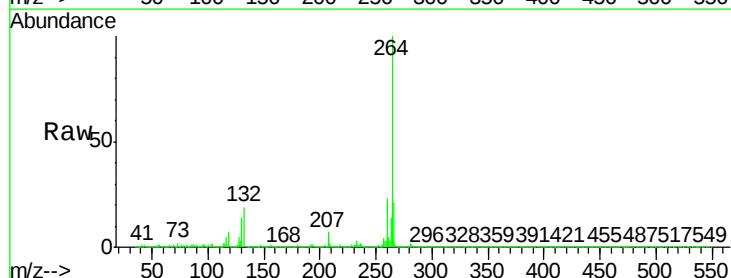
Tgt Ion:264 Resp: 491638

Ion Ratio Lower Upper

264 100

260 23.0 19.6 29.4

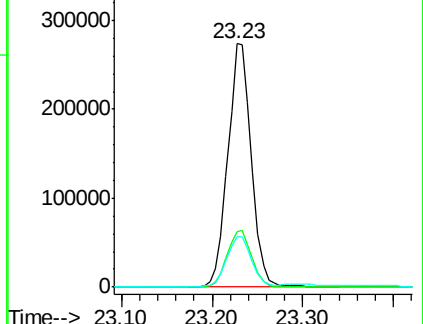
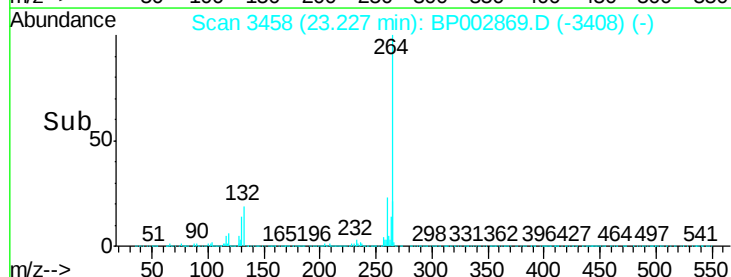
265 20.8 16.7 25.1

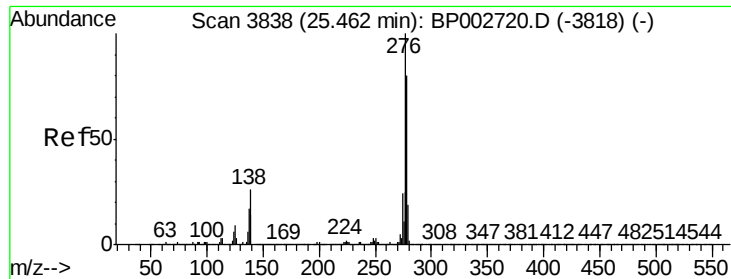


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

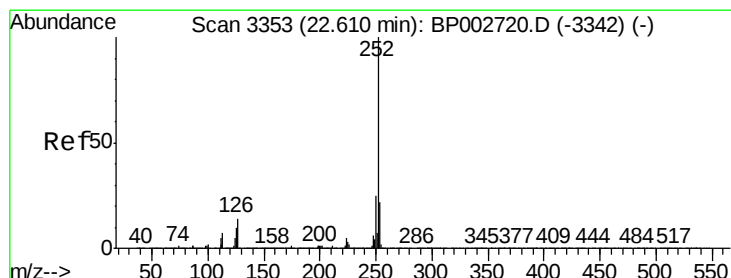
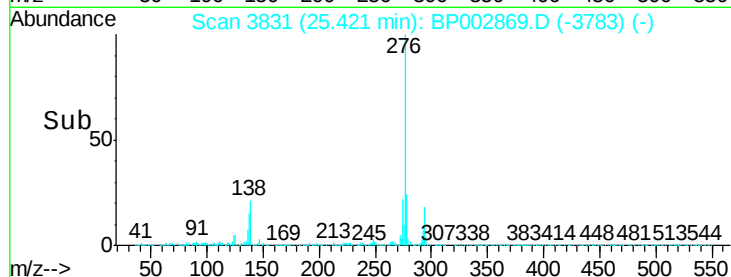
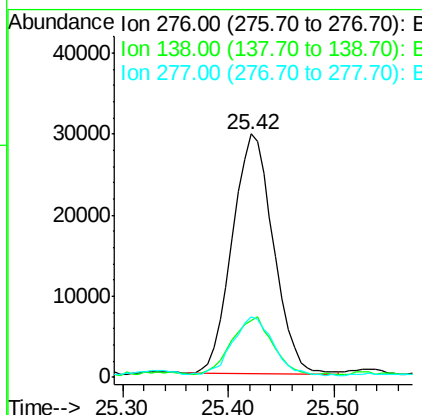
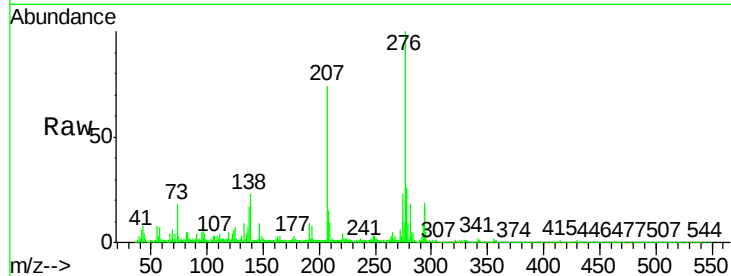




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.251 ng
 RT: 25.42 min Scan# 3831
 Delta R.T. -0.02 min
 Lab File: BP002869.D
 Acq: 24 Jul 2020 23:56

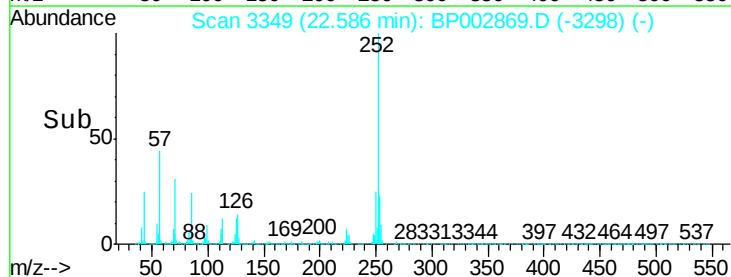
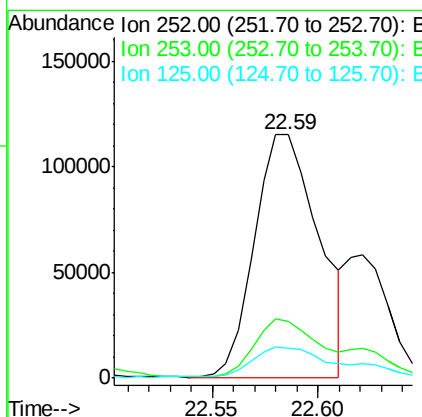
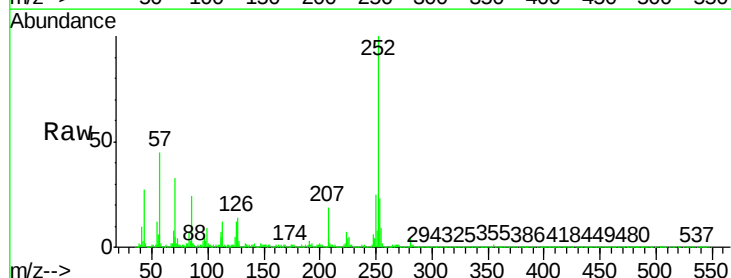
Instrument :
 BNA_P
 ClientSampleId :
 CRT-013

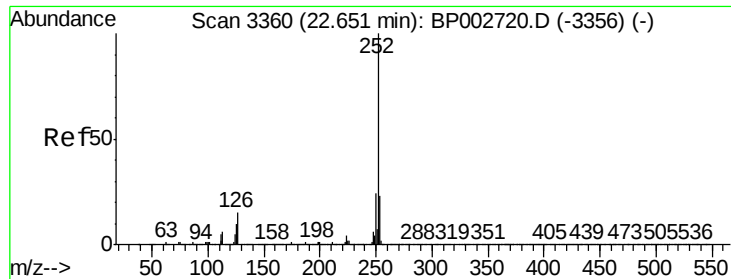
Tot Ion:276 Resp: 79996
 Ion Ratio Lower Upper
 276 100
 138 23.7 20.5 30.7
 277 24.2 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 7.961 ng
 RT: 22.59 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: BP002869.D
 Acq: 24 Jul 2020 23:56

Tgt Ion:252 Resp: 243041
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.5 27.7
 125 12.3 8.3 12.5

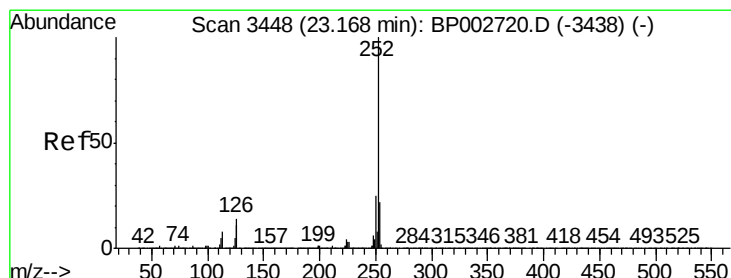
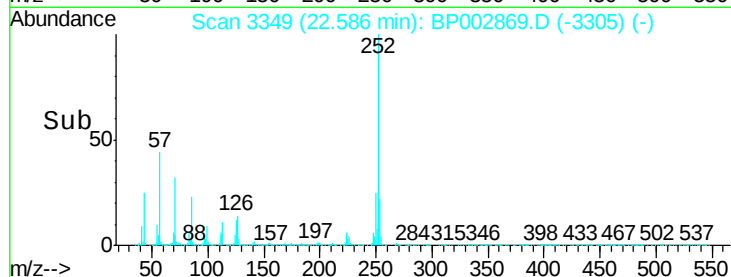
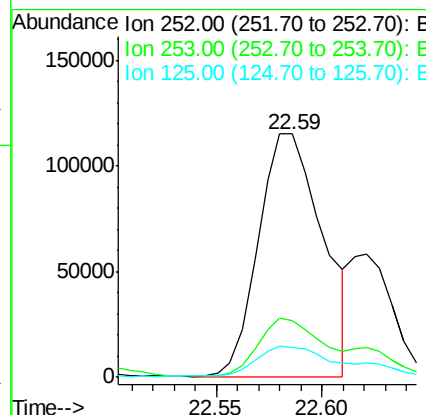
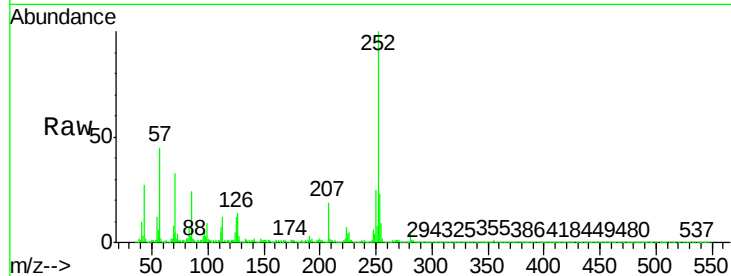




#89
Benzo(k)fluoranthene
Concen: 8.083 ng
RT: 22.59 min Scan# 3349
Delta R.T. -0.04 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

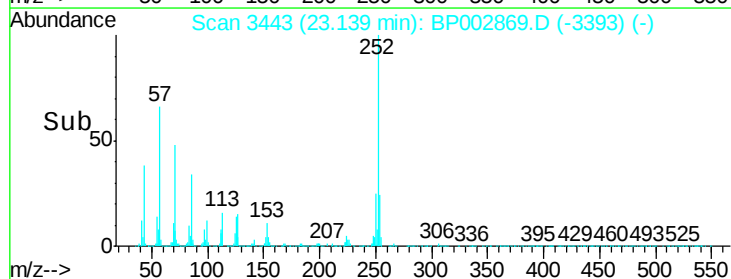
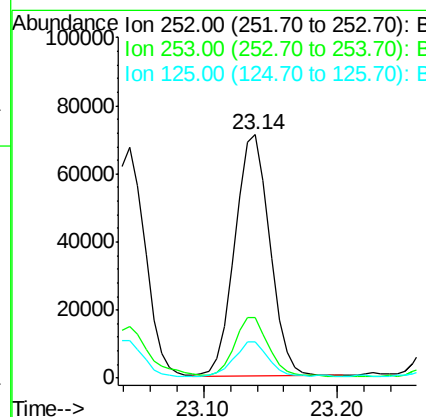
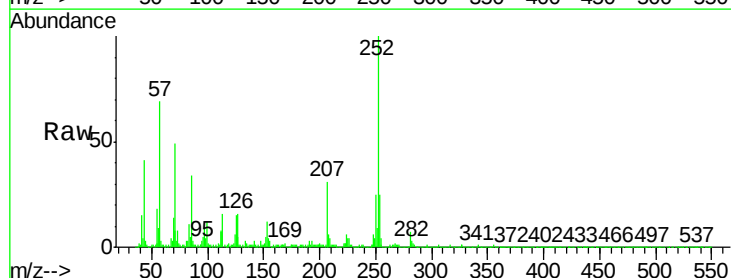
Instrument :
BNA_P
ClientSampleId :
CRT-013

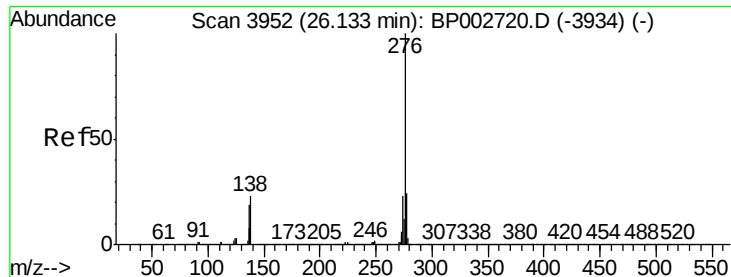
Tot Ion:252 Resp: 243041
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 12.3 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 4.453 ng
RT: 23.14 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BP002869.D
Acq: 24 Jul 2020 23:56

Tgt Ion:252 Resp: 128822
Ion Ratio Lower Upper
252 100
253 24.9 18.1 27.1
125 14.7 8.9 13.3#





#92

Benzo(a,h,i)perylene

Concen: 2.546 ng

RT: 26.09 min Scan# 3945

Delta R.T. -0.02 min

Lab File: BP002869.D

Acq: 24 Jul 2020 23:56

Instrument :

BNA_P

ClientSampleId :

CRT-013

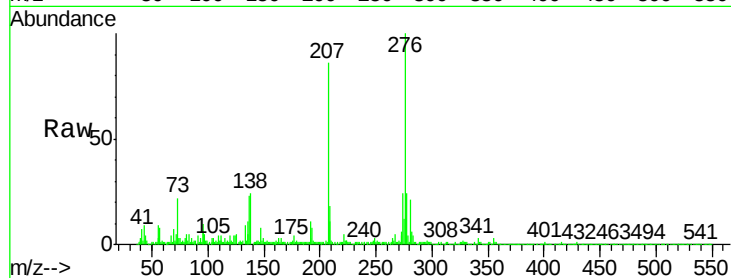
Tot Ion: 276 Resp: 73975

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 24.3 18.2 27.4



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

