

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072120\
 Data File : BP002817.D
 Acq On : 21 Jul 2020 16:54
 Operator : CG/JU
 Sample : L3360-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-2

Quant Time: Jul 21 17:47:10 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	7.55	152	122273	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	435236	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	258058	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	583284	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	637812	20.00	ng	0.00
86) Perylene-d12	23.26	264	685850	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	133310	18.39	ng	0.00
7) Phenol-d6	6.75	99	510738	49.38	ng	0.00
23) Nitrobenzene-d5	8.69	82	438453	53.88	ng	-0.01
42) 2,4,6-Tribromophenol	15.70	330	49185	18.26	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	886820	53.16	ng	-0.01
79) Terphenyl-d14	19.55	244	1366855	49.13	ng	0.00

Target Compounds

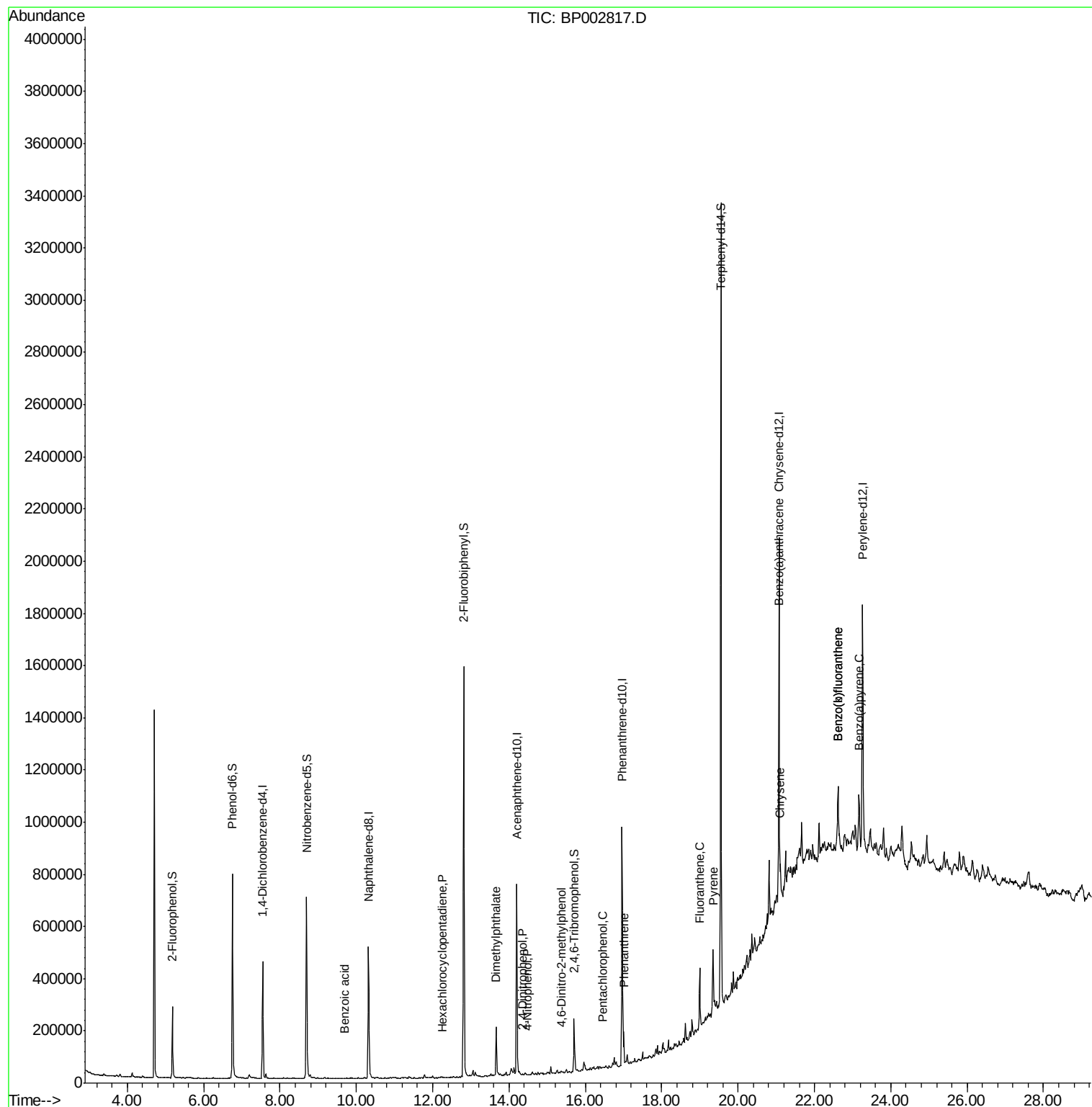
						Qvalue
32) Benzoic acid	9.71	122	11	7.064	ng	# 1
41) Hexachlorocyclopentadiene	12.25	237	13	7.437	ng	82
50) Dimethylphthalate	13.66	163	138653	7.045	ng	99
54) 2,4-Dinitrophenol	14.35	184	12	11.378	ng	# 1
56) 4-Nitrophenol	14.48	139	110	4.999	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.36	198	65	5.283	ng	# 1
70) Pentachlorophenol	16.45	266	16	7.446	ng	94
71) Phenanthrene	17.00	178	73887	2.340	ng	99
75) Fluoranthene	18.99	202	142603	3.897	ng	97
78) Pyrene	19.34	202	144495	3.281	ng	99
81) Benzo(a)anthracene	21.06	228	86670	2.099	ng	94
83) Chrysene	21.10	228	78663	2.002	ng	# 95
88) Benzo(b)fluoranthene	22.61	252	148141	3.479	ng	# 82
89) Benzo(k)fluoranthene	22.61	252	148141	3.532	ng	# 83
90) Benzo(a)pyrene	23.17	252	82406	2.042	ng	# 83

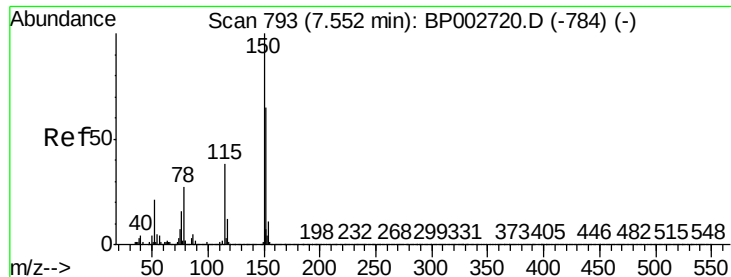
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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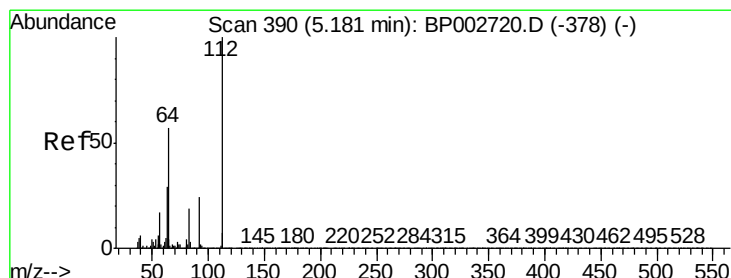
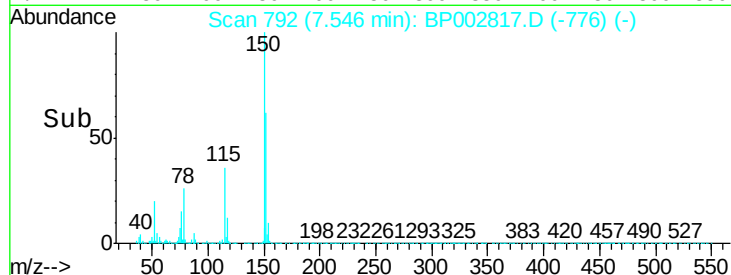
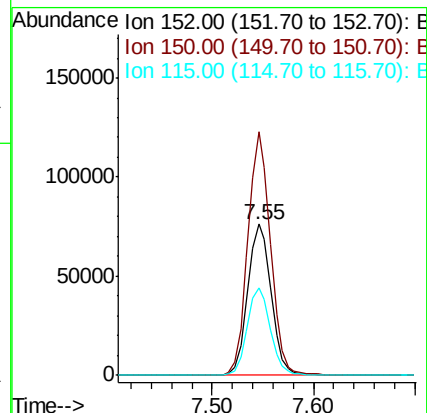
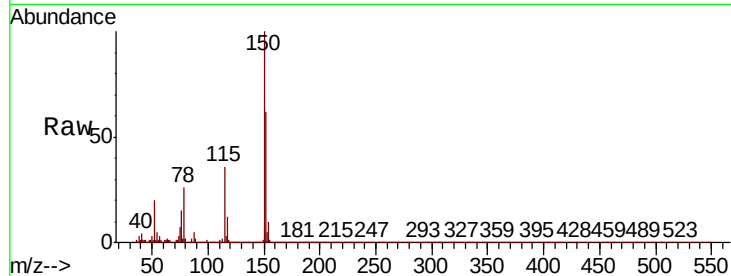


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002817.D
Acq: 21 Jul 2020 16:54

Instrument :
BNA_P
ClientSampleId :
SP-2

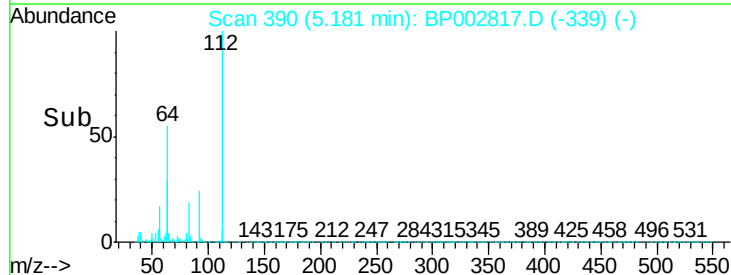
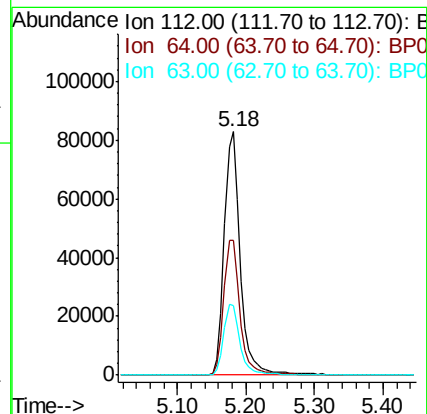
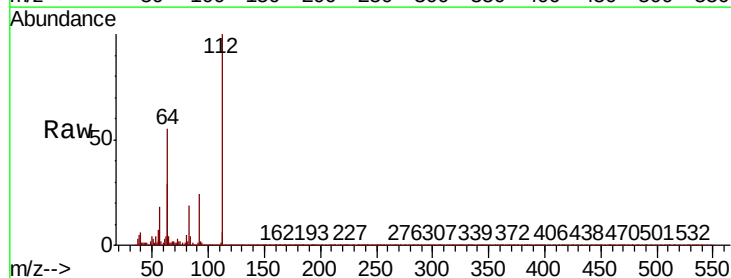
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	123.7	185.5
115	58.0	47.2	70.8

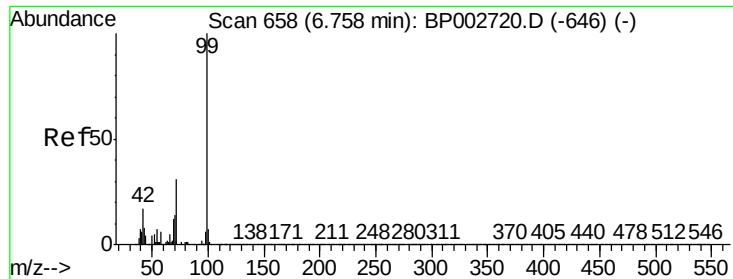


#5

2-Fluorophenol
Concen: 18.395 ng
RT: 5.18 min Scan# 390
Delta R.T. 0.00 min
Lab File: BP002817.D
Acq: 21 Jul 2020 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.6	68.4
63	28.6	23.5	35.3





#7

Phenol-d6

Concen: 49.381 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA_P

ClientSampleId :

SP-2

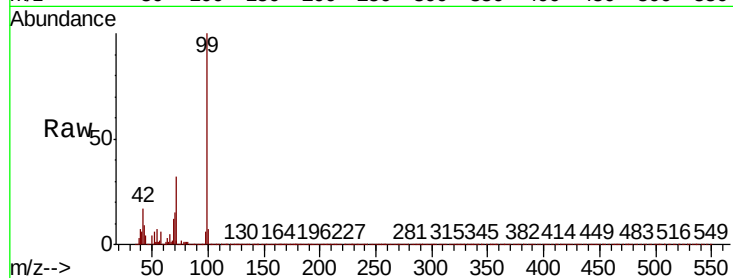
Tot Ion: 99 Resp: 510738

Ion Ratio Lower Upper

99 100

42 16.9 13.4 20.2

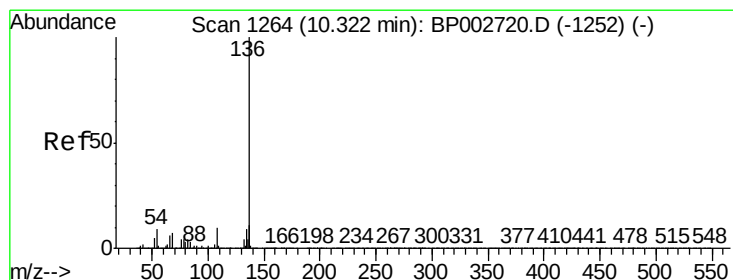
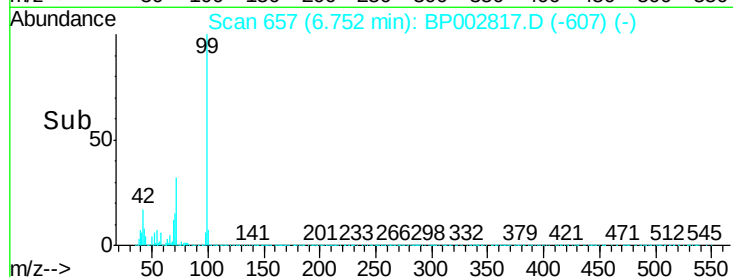
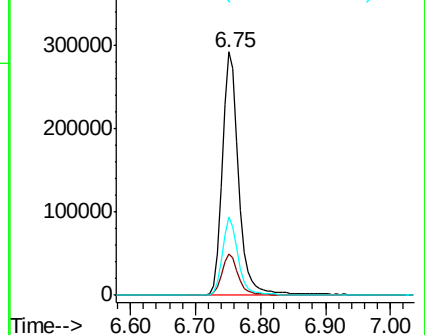
71 32.0 24.6 36.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Tgt Ion: 136 Resp: 435236

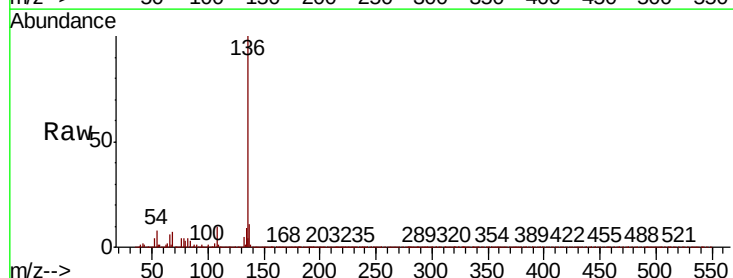
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 8.2 6.9 10.3

68 6.8 5.7 8.5

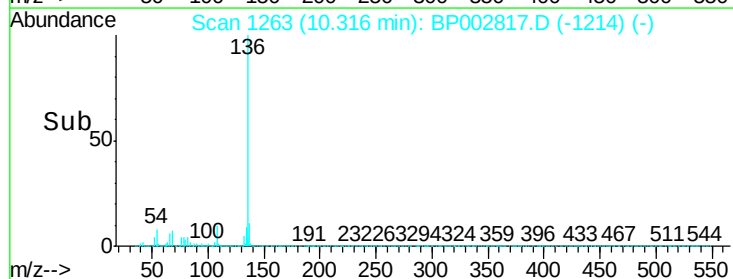
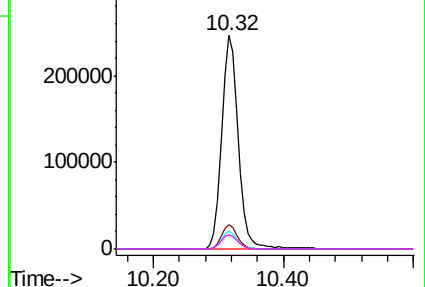


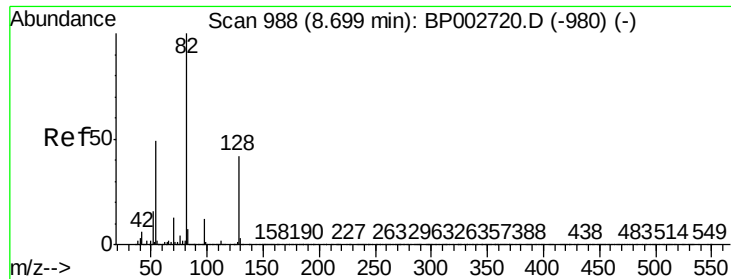
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

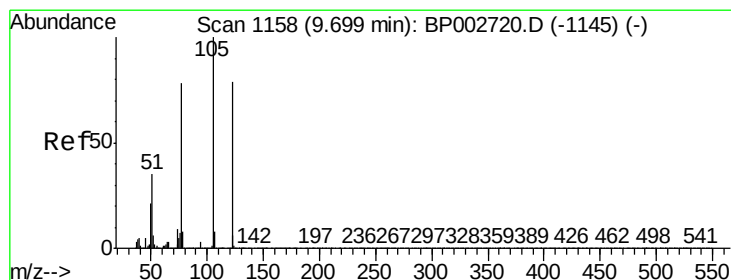
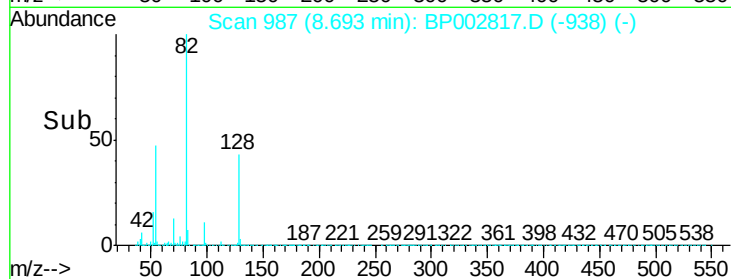
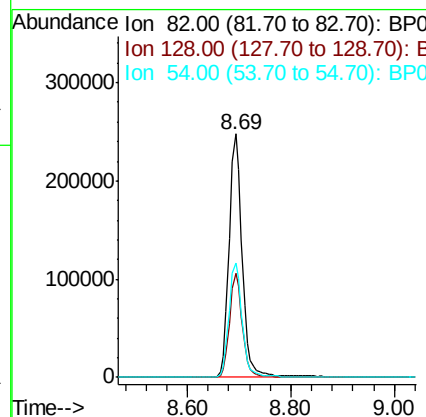
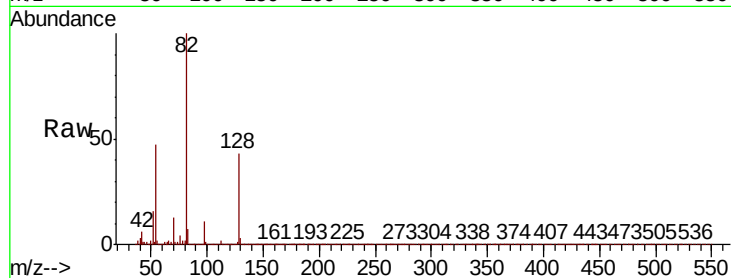




#23
 Nitrobenzene-d5
 Concen: 53.879 ng
 RT: 8.69 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BP002817.D
 Acq: 21 Jul 2020 16:54

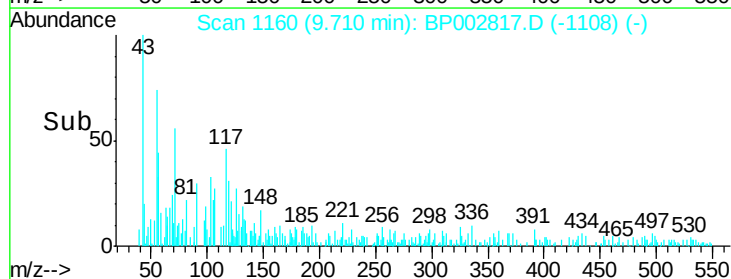
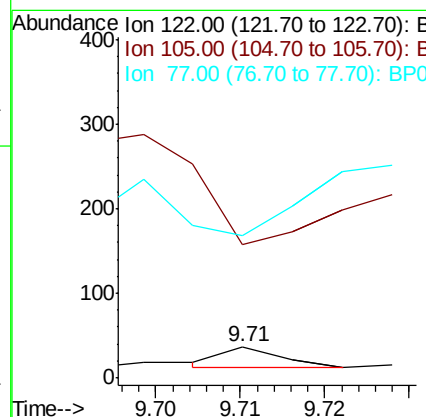
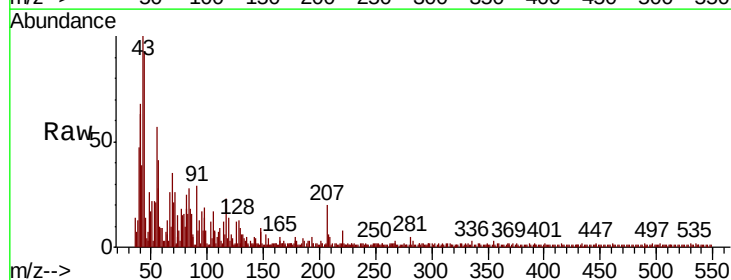
Instrument :
 BNA_P
 ClientSampleId :
 SP-2

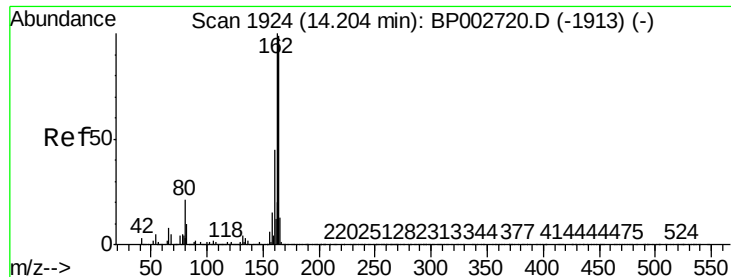
Tot Ion	82	Resp	438453
Ion Ratio	100	Lower	Upper
128	42.6	33.8	50.8
54	47.2	38.8	58.2



#32
 Benzoic acid
 Concen: 7.064 ng
 RT: 9.71 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: BP002817.D
 Acq: 21 Jul 2020 16:54

Tgt Ion	122	Resp	11
Ion Ratio	100	Lower	Upper
105	424.3	105.4	145.4#
77	456.8	78.5	118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA_P

ClientSampleId :

SP-2

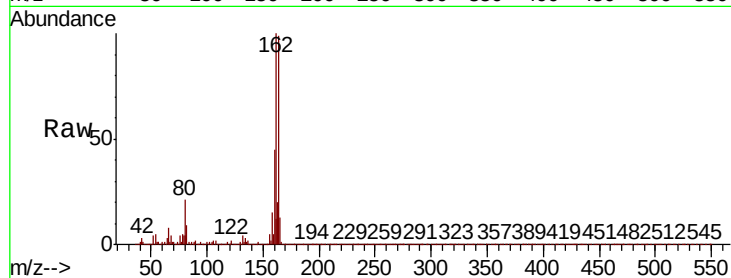
Tot Ion:164 Resp: 258058

Ion Ratio Lower Upper

164 100

162 101.2 80.6 121.0

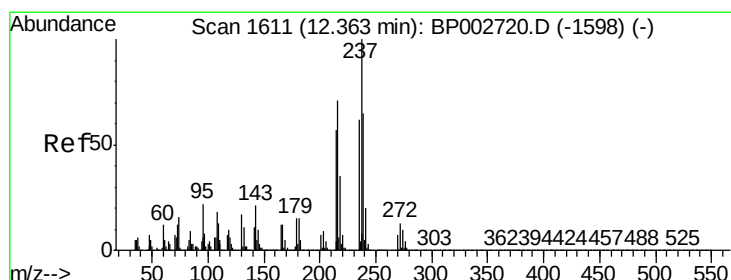
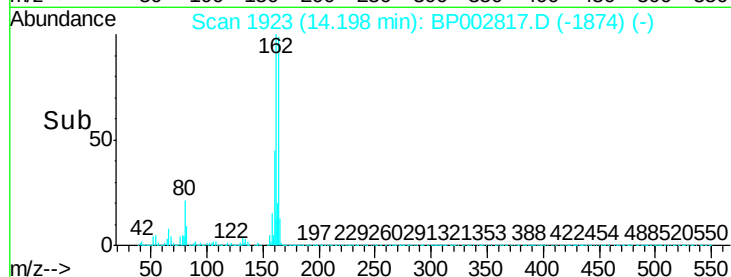
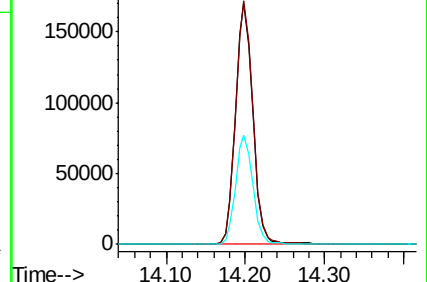
160 45.6 36.4 54.6



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



#41

Hexachlorocyclopentadiene

Concen: 7.437 ng

RT: 12.25 min Scan# 1592

Delta R.T. -0.11 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

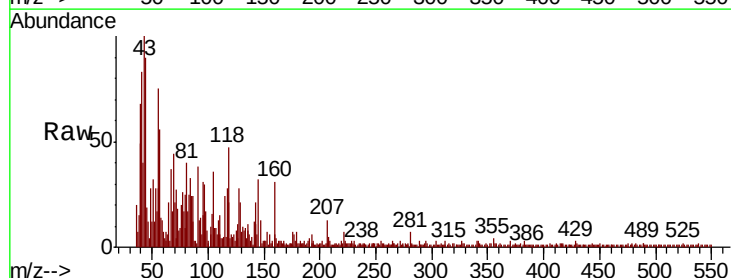
Tgt Ion:237 Resp: 13

Ion Ratio Lower Upper

237 100

235 46.7 42.3 82.3

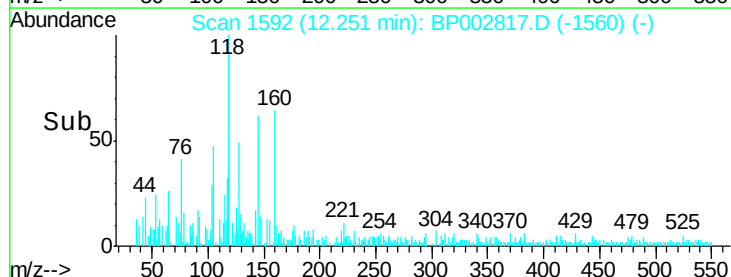
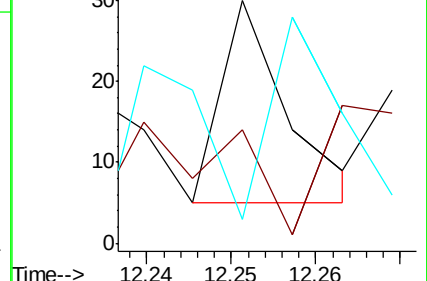
272 10.0 0.0 32.5

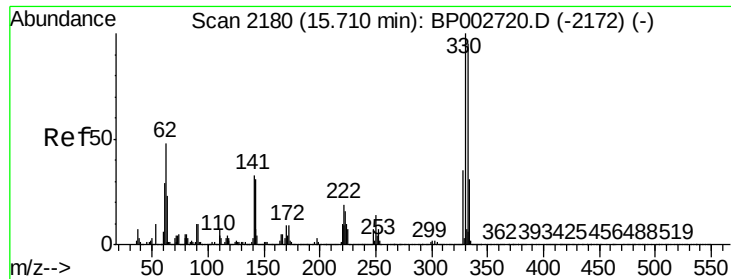


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

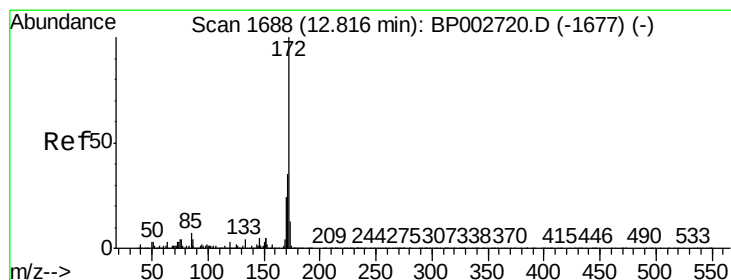
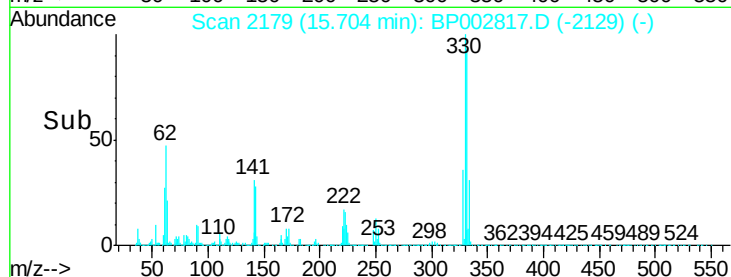
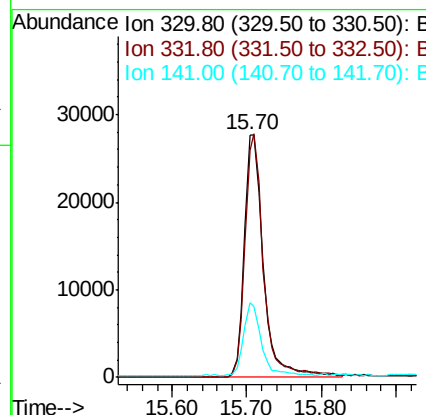
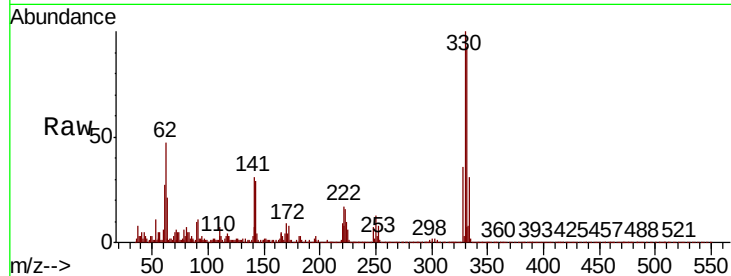




#42
 2,4,6-Tribromophenol
 Concen: 18.259 ng
 RT: 15.70 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BP002817.D
 Acq: 21 Jul 2020 16:54

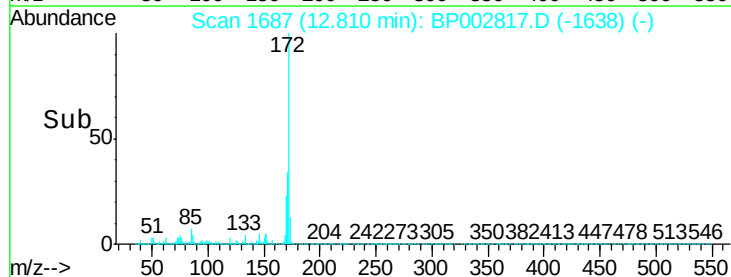
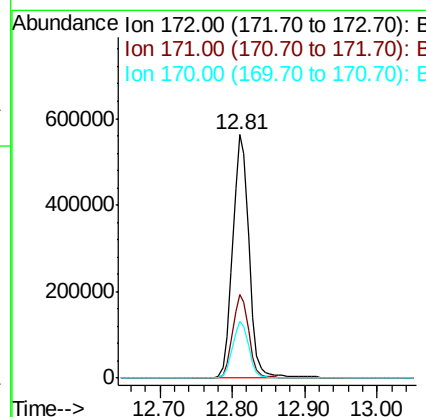
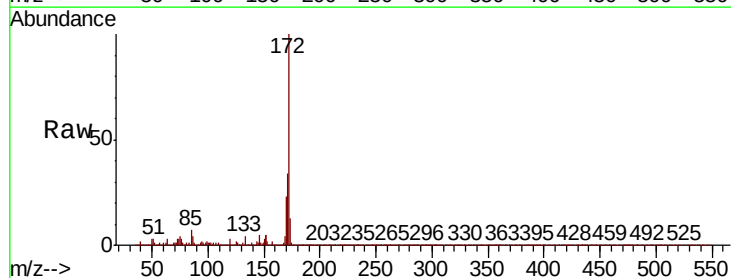
Instrument :
 BNA_P
 ClientSampleId :
 SP-2

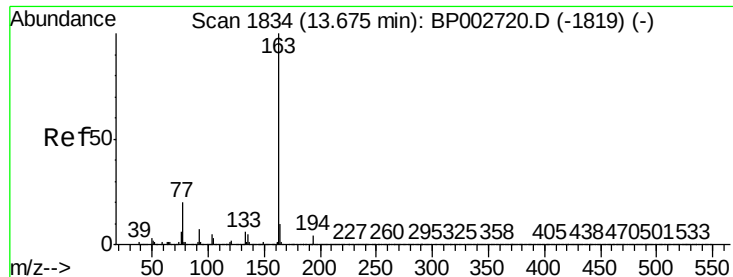
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.5	114.7
141	27.7	28.8	43.2#



#45
 2-Fluorobiphenyl
 Concen: 53.162 ng
 RT: 12.81 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BP002817.D
 Acq: 21 Jul 2020 16:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.1	42.1
170	23.2	19.3	28.9





#50

Dimethylphthalate

Concen: 7.045 ng

RT: 13.66 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA_P

ClientSampleId :

SP-2

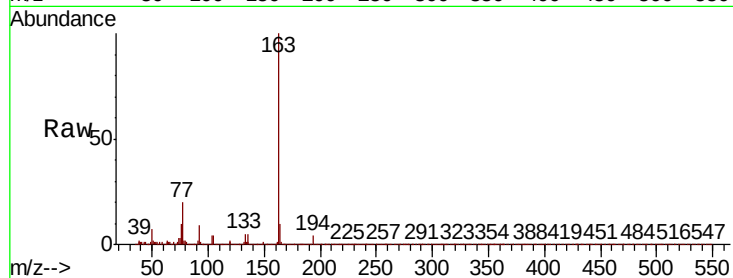
Tot Ion:163 Resp: 138653

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

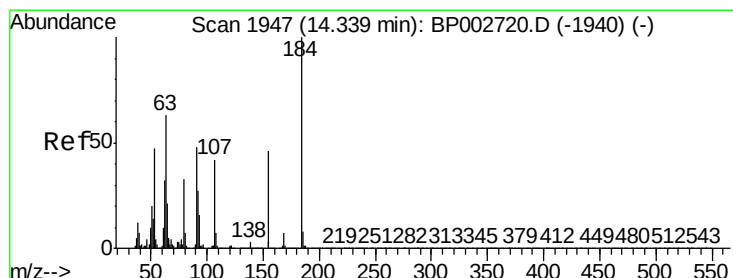
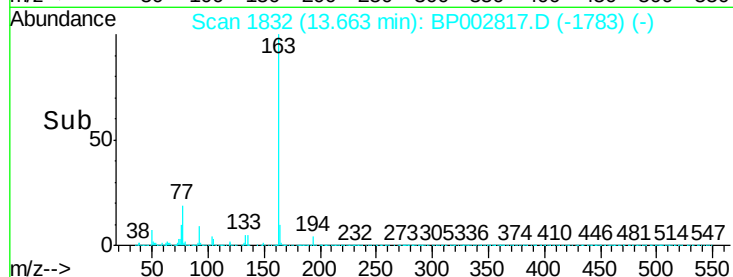
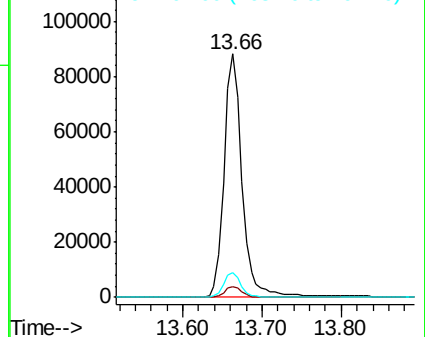
164 10.4 7.8 11.8



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



#54

2,4-Dinitrophenol

Concen: 11.378 ng

RT: 14.35 min Scan# 1948

Delta R.T. 0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

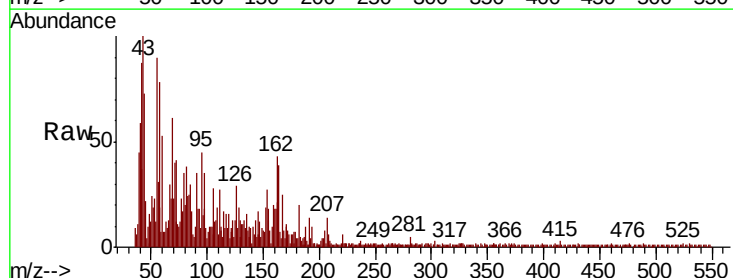
Tgt Ion:184 Resp: 12

Ion Ratio Lower Upper

184 100

63 441.9 51.6 77.4#

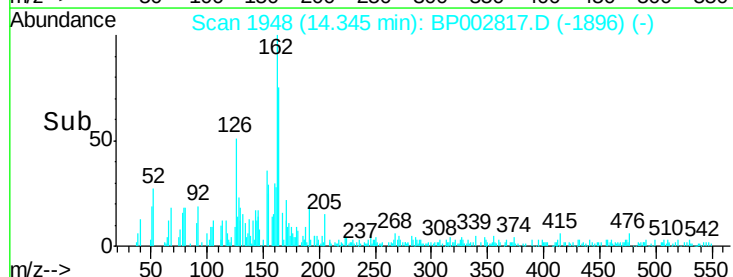
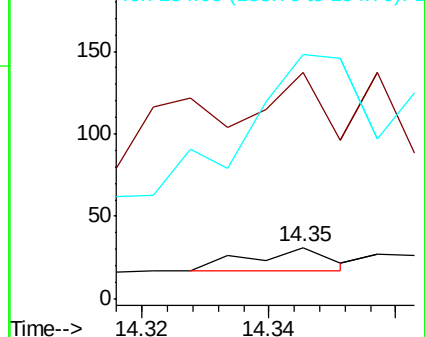
154 477.4 45.0 67.6#

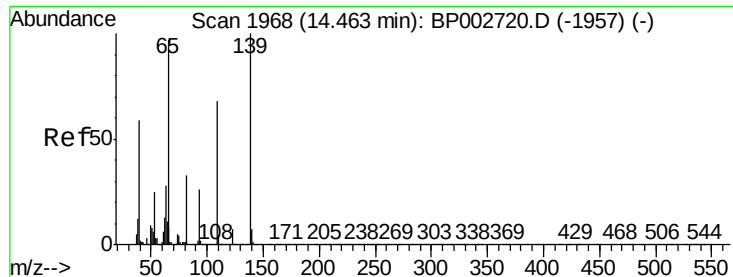


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

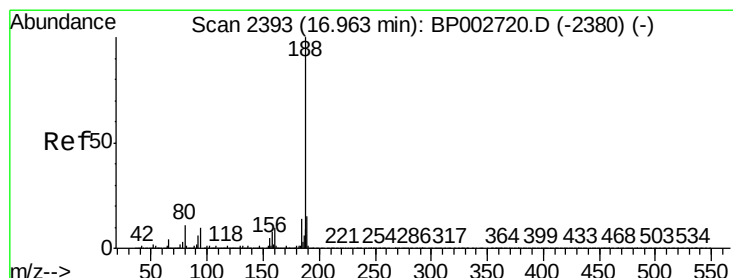
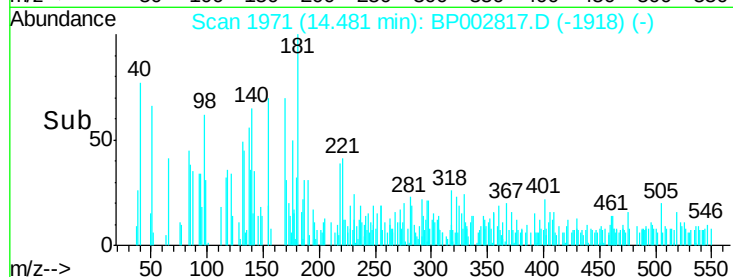
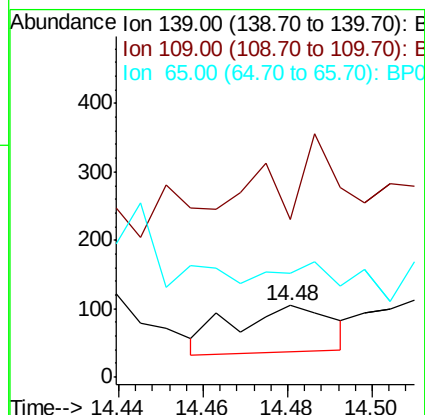
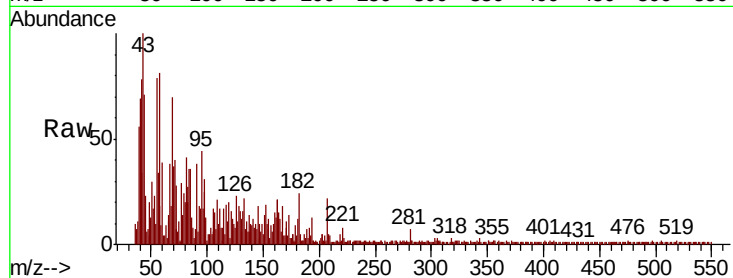




#56
4-Nitrophenol
Concen: 4.999 ng
RT: 14.48 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BP002817.D
Acq: 21 Jul 2020 16:54

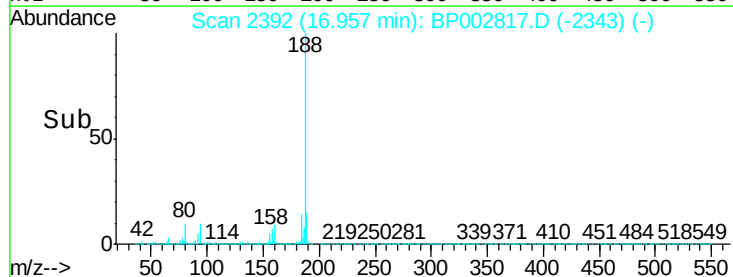
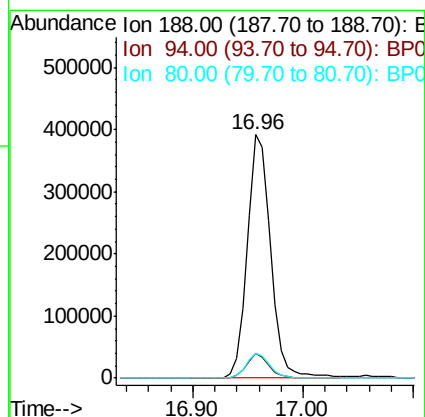
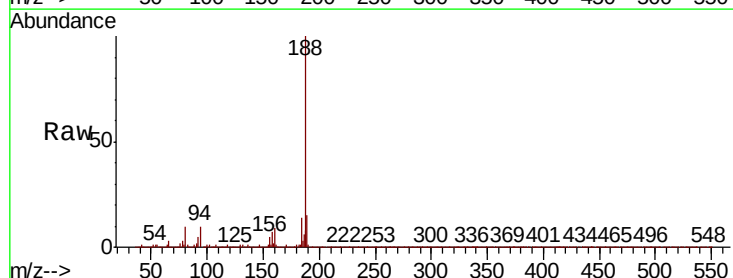
Instrument :
BNA_P
ClientSampled :
SP-2

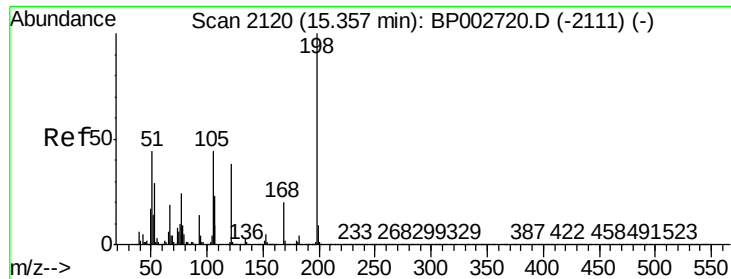
Tot Ion:139 Resp: 110
Ion Ratio Lower Upper
139 100
109 219.0 48.1 88.1#
65 144.8 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BP002817.D
Acq: 21 Jul 2020 16:54

Tgt Ion:188 Resp: 583284
Ion Ratio Lower Upper
188 100
94 10.0 8.1 12.1
80 10.4 8.9 13.3

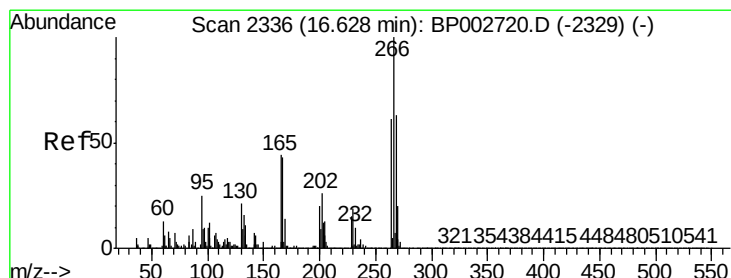
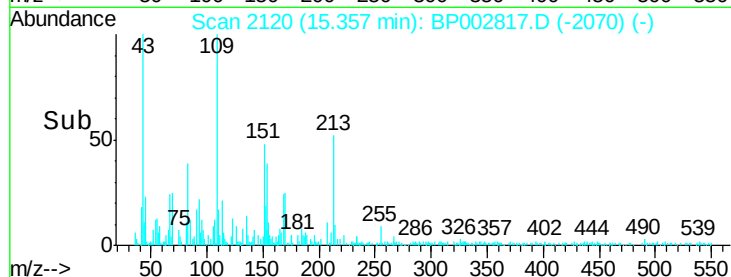
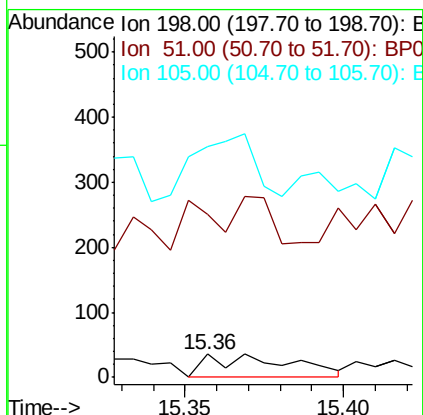
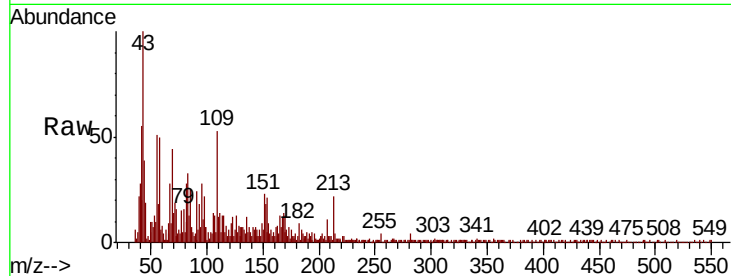




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.283 ng
 RT: 15.36 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BP002817.D
 Acq: 21 Jul 2020 16:54

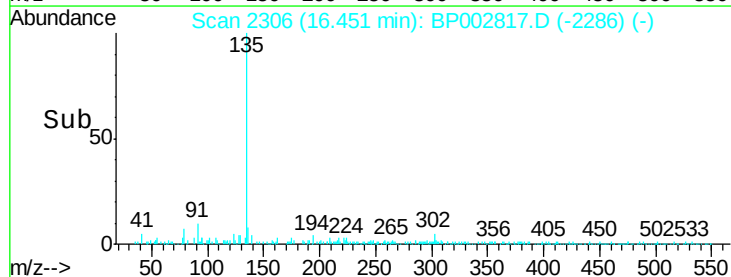
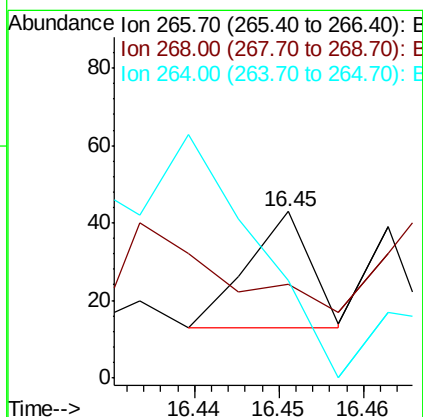
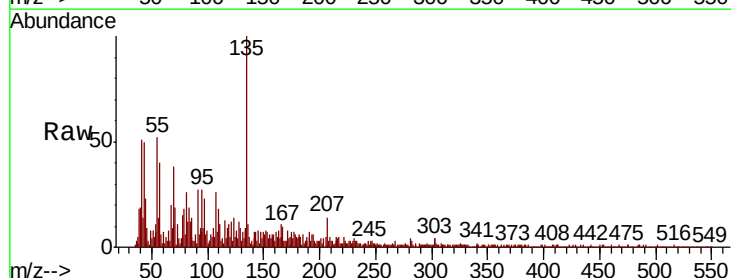
Instrument :
 BNA_P
 ClientSampled :
 SP-2

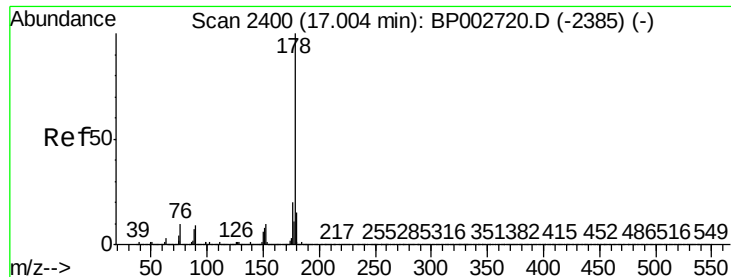
Tot Ion:198 Resp: 65
 Ion Ratio Lower Upper
 198 100
 51 697.2 27.1 67.1#
 105 986.1 24.9 64.9#



#70
 Pentachlorophenol
 Concen: 7.446 ng
 RT: 16.45 min Scan# 2306
 Delta R.T. -0.18 min
 Lab File: BP002817.D
 Acq: 21 Jul 2020 16:54

Tgt Ion:266 Resp: 16
 Ion Ratio Lower Upper
 266 100
 268 55.8 50.6 75.8
 264 58.1 48.6 72.8





#71

Phenanthrene

Concen: 2.340 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA_P

ClientSampleId :

SP-2

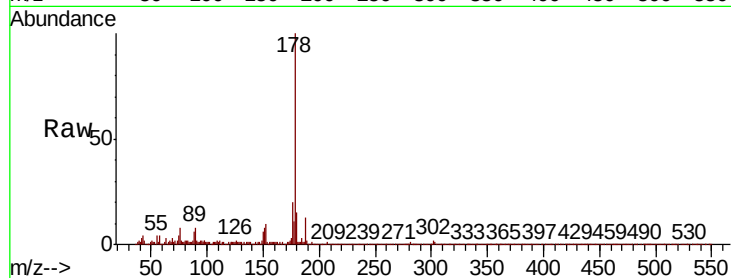
Tot Ion:178 Resp: 73887

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

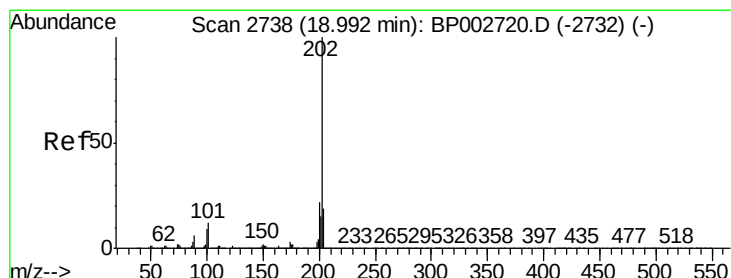
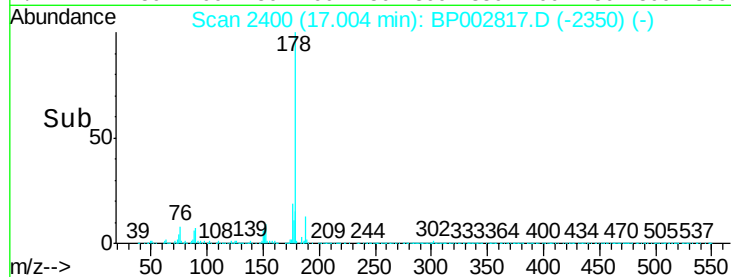
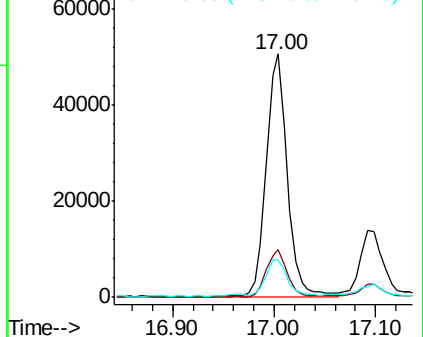
179 15.2 12.3 18.5



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



#75

Fluoranthene

Concen: 3.897 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

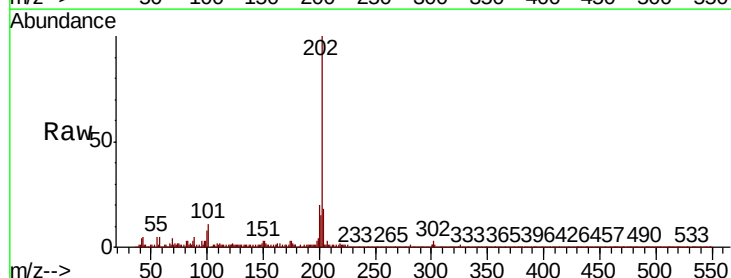
Tgt Ion:202 Resp: 142603

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.5

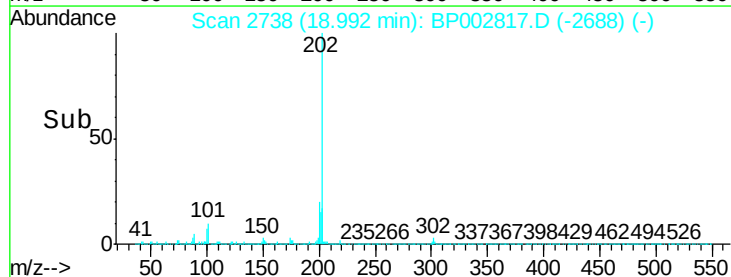
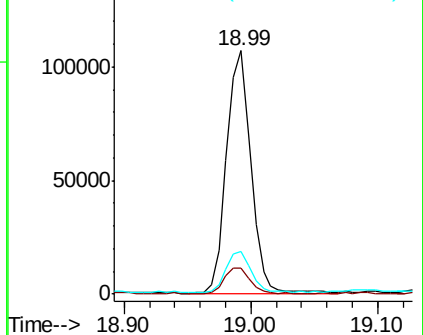
203 17.8 0.0 38.6

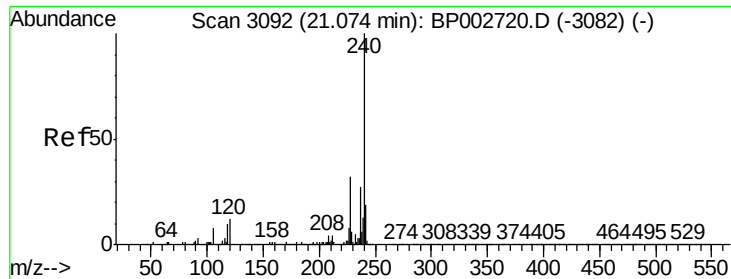


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

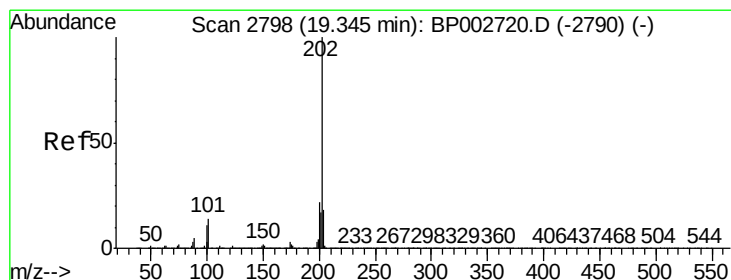
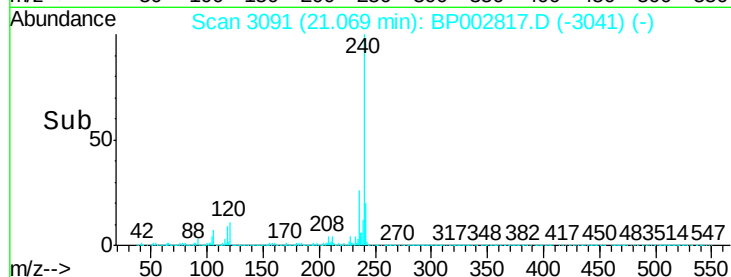
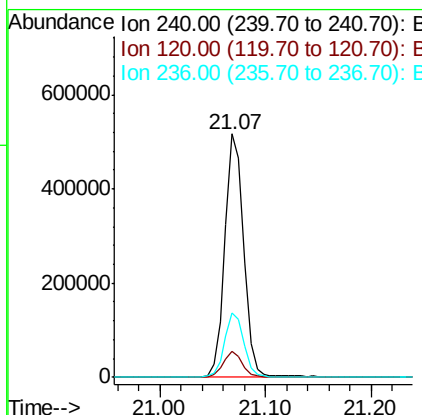
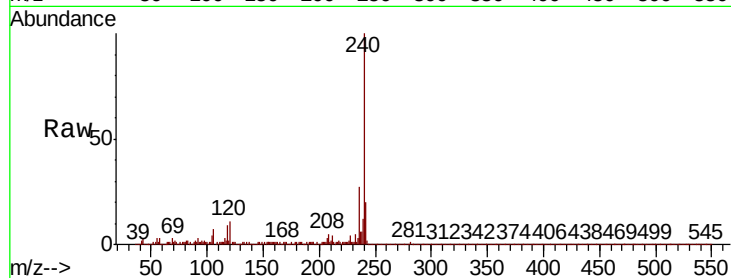




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BP002817.D
Acq: 21 Jul 2020 16:54

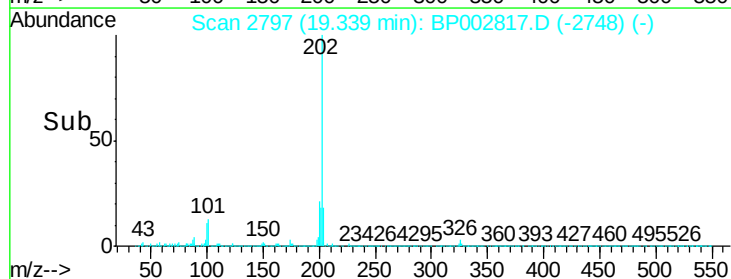
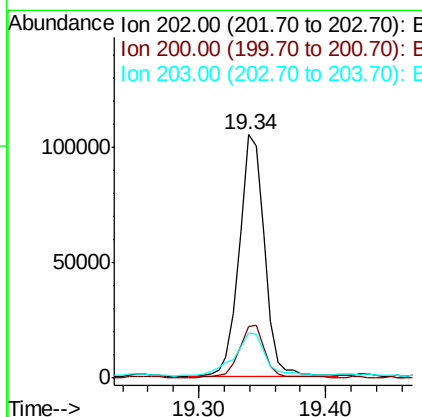
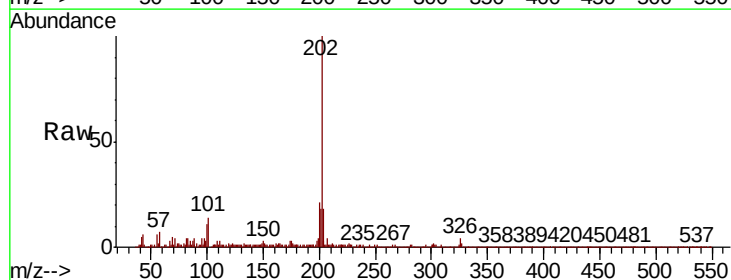
Instrument :
BNA_P
ClientSampleId :
SP-2

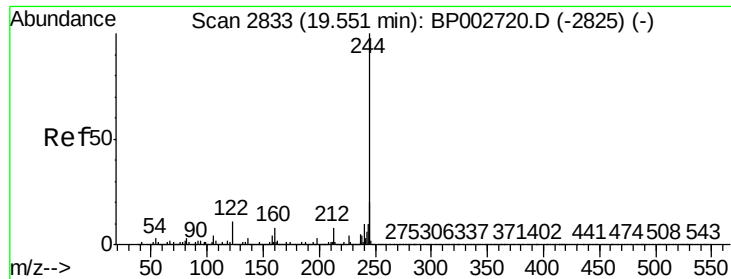
Tot Ion:240 Resp: 637812
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 26.5 21.3 31.9



#78
Pyrene
Concen: 3.281 ng
RT: 19.34 min Scan# 2797
Delta R.T. -0.01 min
Lab File: BP002817.D
Acq: 21 Jul 2020 16:54

Tgt Ion:202 Resp: 144495
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 18.5 14.5 21.7





#79

Terphenyl-d14

Concen: 49.134 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA_P

ClientSampled :

SP-2

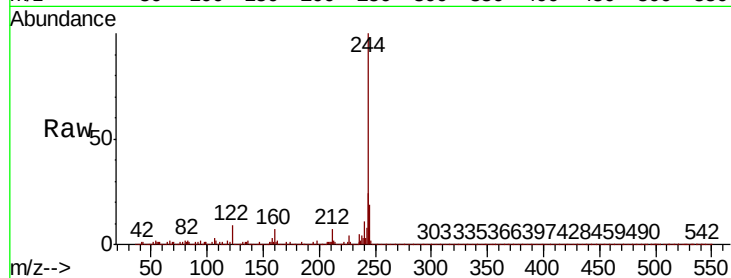
Tot Ion:244 Resp: 1366855

Ion Ratio Lower Upper

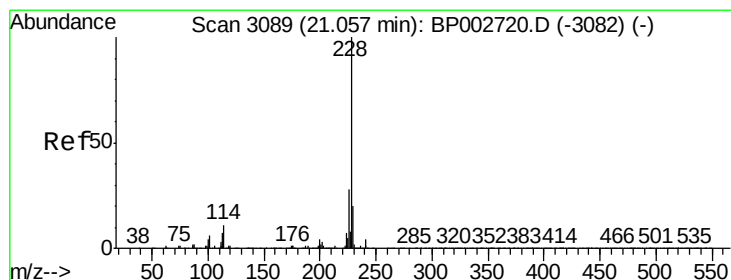
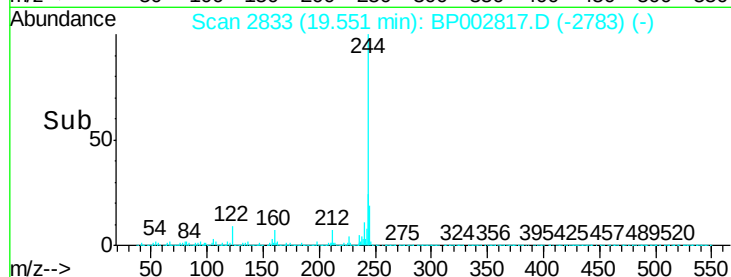
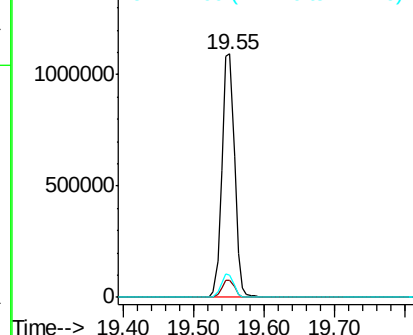
244 100

212 7.1 6.0 9.0

122 9.1 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: 2.099 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

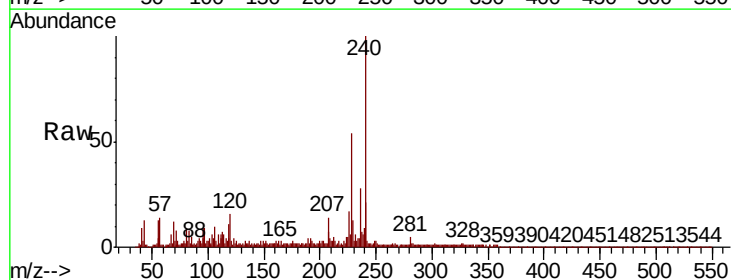
Tgt Ion:228 Resp: 86670

Ion Ratio Lower Upper

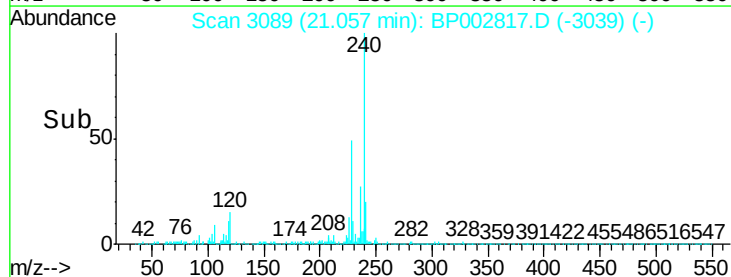
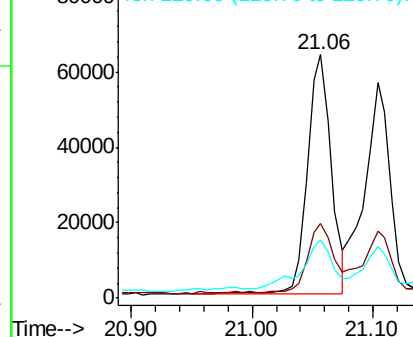
228 100

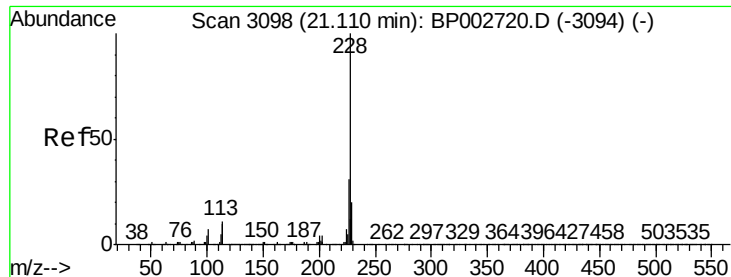
226 30.8 22.6 34.0

229 24.0 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: 2.002 ng

RT: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA_P

ClientSampleId :

SP-2

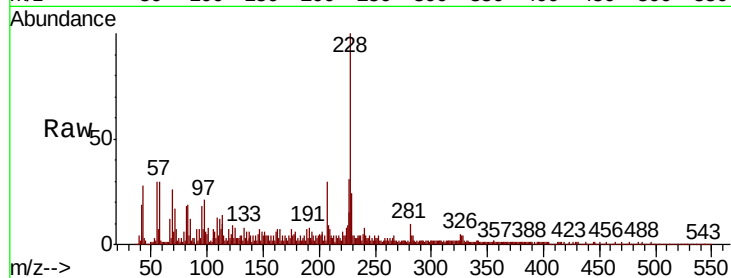
Tot Ion:228 Resp: 78663

Ion Ratio Lower Upper

228 100

226 31.4 24.6 37.0

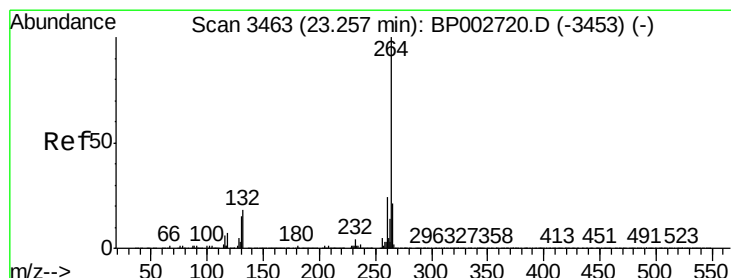
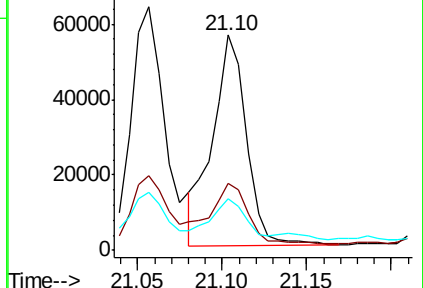
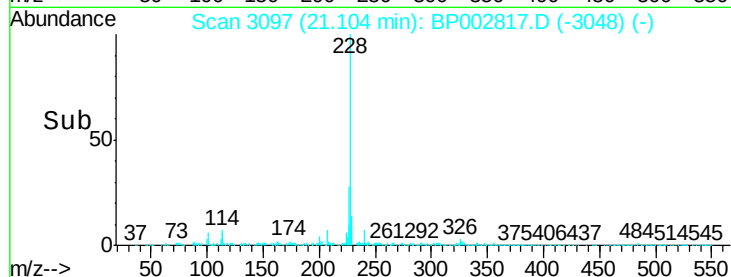
229 24.3 15.7 23.5#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.26 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

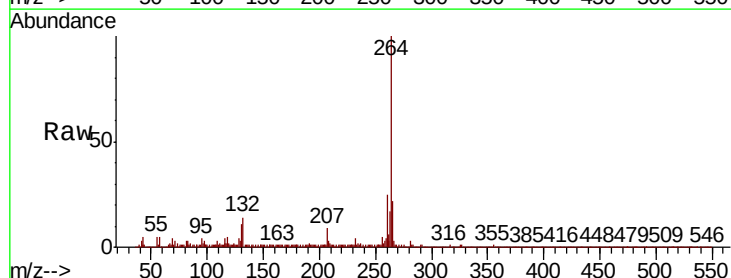
Tgt Ion:264 Resp: 685850

Ion Ratio Lower Upper

264 100

260 24.8 19.3 28.9

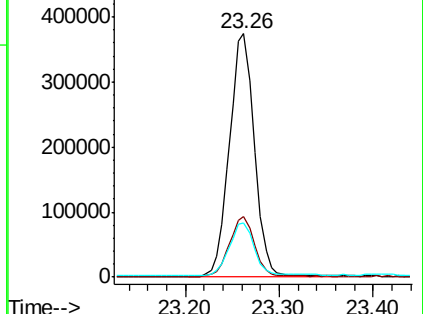
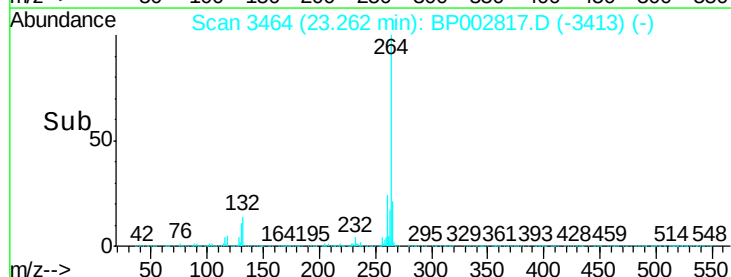
265 22.1 16.8 25.2

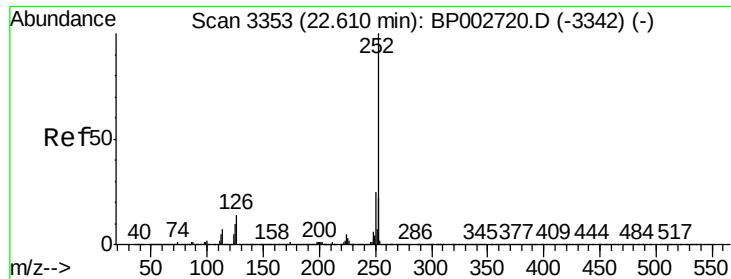


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.479 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA_P

ClientSampleId :

SP-2

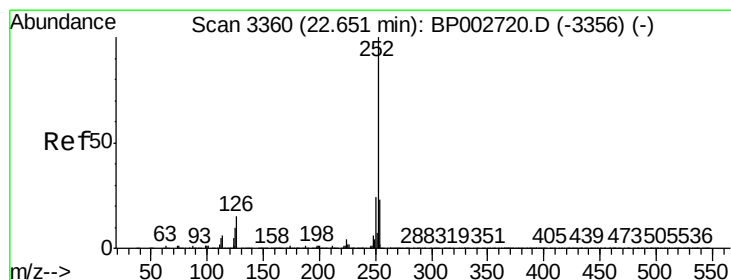
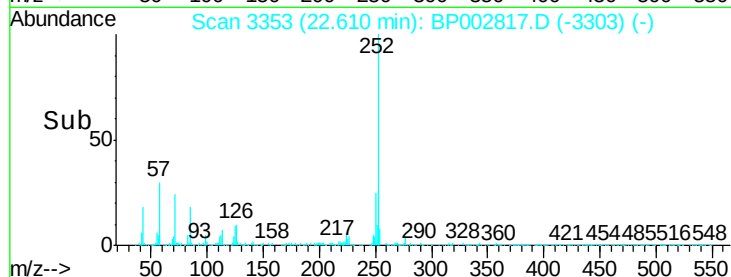
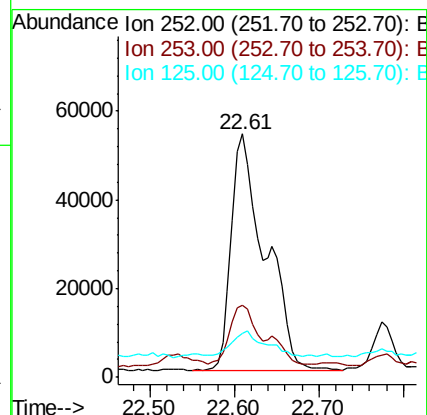
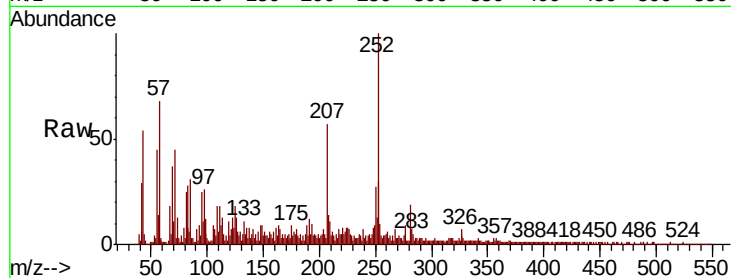
Tot Ion:252 Resp: 148141

Ion Ratio Lower Upper

252 100

253 29.7 17.7 26.5#

125 18.2 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 3.532 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.05 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

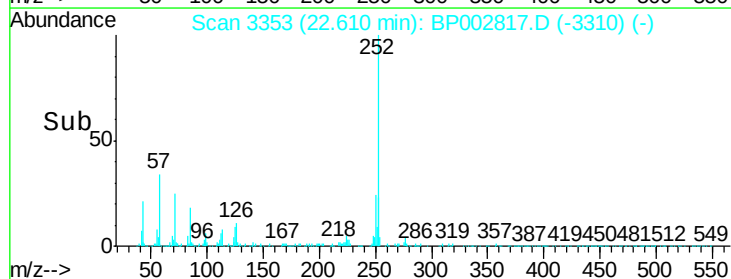
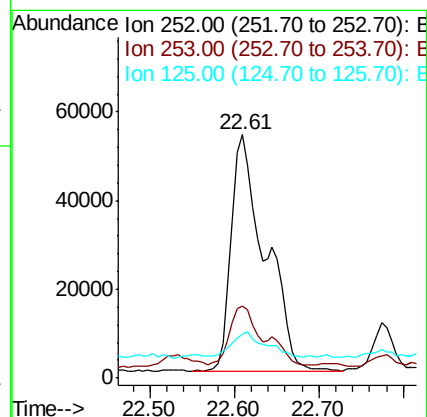
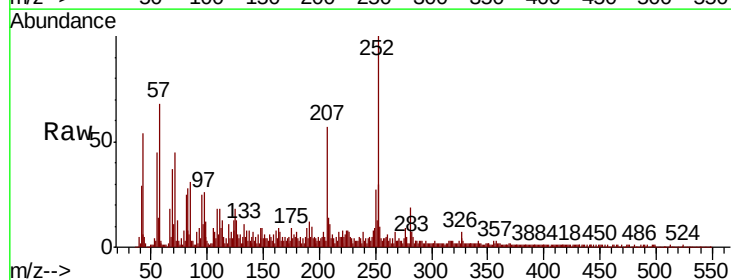
Tgt Ion:252 Resp: 148141

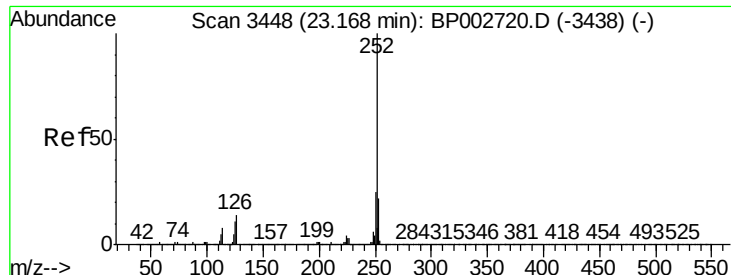
Ion Ratio Lower Upper

252 100

253 29.7 17.8 26.8#

125 18.2 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 2.042 ng

RT: 23.17 min Scan# 3448

Delta R.T. -0.01 min

Lab File: BP002817.D

Acq: 21 Jul 2020 16:54

Instrument :

BNA_P

ClientSampleId :

SP-2

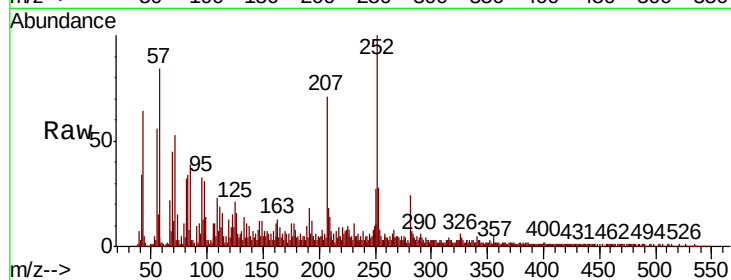
Tot Ion: 252 Resp: 82406

Ion Ratio Lower Upper

252 100

253 28.1 17.6 26.4#

125 20.6 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

60000

50000

40000

30000

20000

10000

0

23.10 23.17 23.20

Time-->

