

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072220\
 Data File : BP002830.D
 Acq On : 22 Jul 2020 18:06
 Operator : CG/JU
 Sample : L3362-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 22 18:46:02 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	132808	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	542586	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	330156	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	698896	20.00	ng	0.00
76) Chrysene-d12	21.07	240	565135	20.00	ng	0.00
86) Perylene-d12	23.26	264	487228	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	805710	102.36	ng	0.00
7) Phenol-d6	6.76	99	1073023	95.52	ng	0.00
23) Nitrobenzene-d5	8.69	82	675610	66.60	ng	-0.01
42) 2,4,6-Tribromophenol	15.71	330	332246	96.41	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	1385738	64.93	ng	-0.01
79) Terphenyl-d14	19.55	244	1743782	70.74	ng	0.00

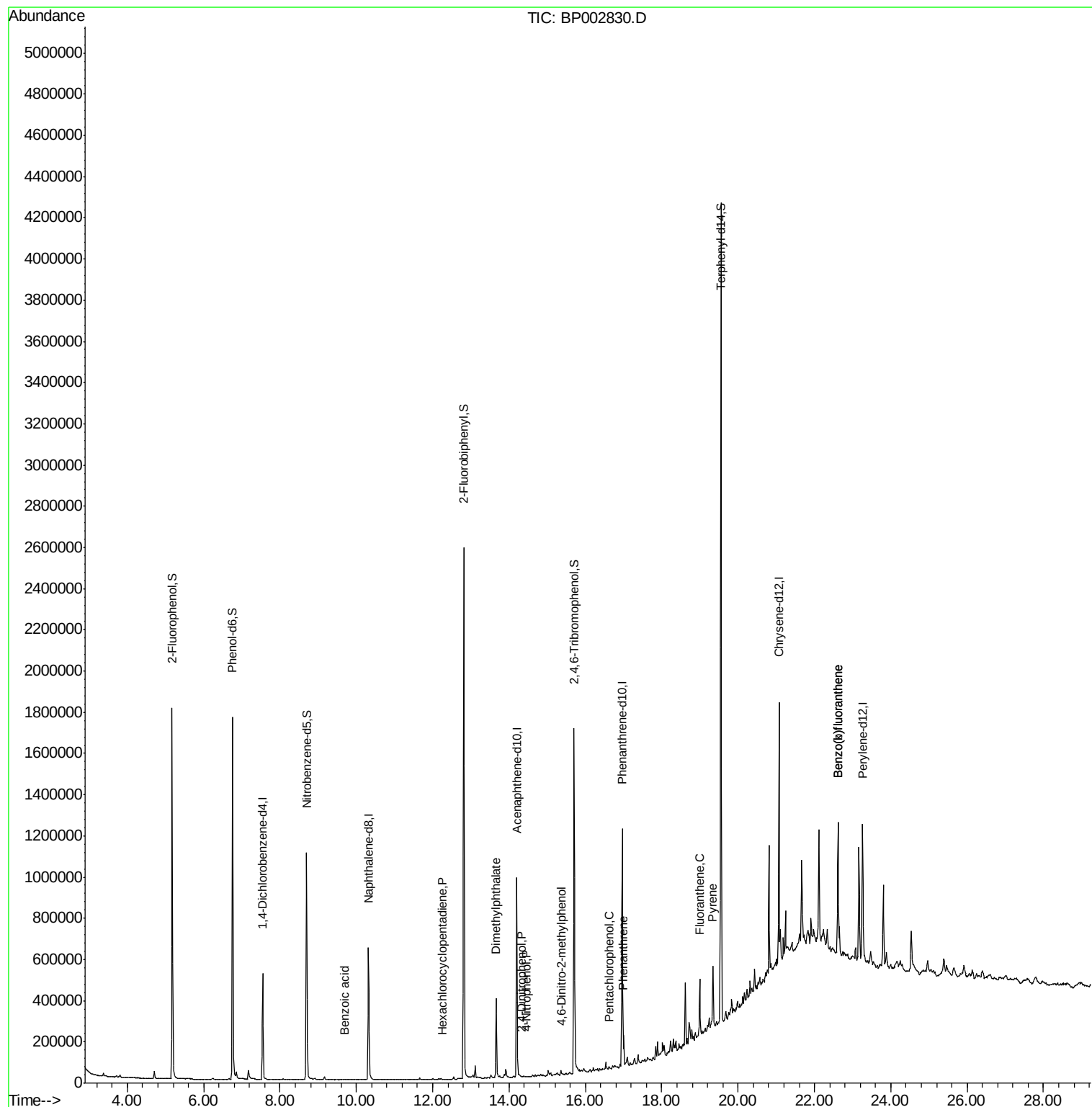
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.69	122	22	7.065	ng	# 1
41) Hexachlorocyclopentadiene	12.27	237	16	7.437	ng	79
50) Dimethylphthalate	13.66	163	263461	10.463	ng	99
54) 2,4-Dinitrophenol	14.33	184	32	11.383	ng	# 1
56) 4-Nitrophenol	14.43	139	153	5.002	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.36	198	53	5.278	ng	# 1
70) Pentachlorophenol	16.63	266	46	7.452	ng	97
71) Phenanthrene	17.00	178	89554	2.367	ng	99
75) Fluoranthene	18.99	202	154465	3.523	ng	99
78) Pyrene	19.34	202	173029	4.434	ng	99
88) Benzo(b)fluoranthene	22.61	252	109279	3.612	ng	# 82
89) Benzo(k)fluoranthene	22.61	252	109279	3.667	ng	# 82

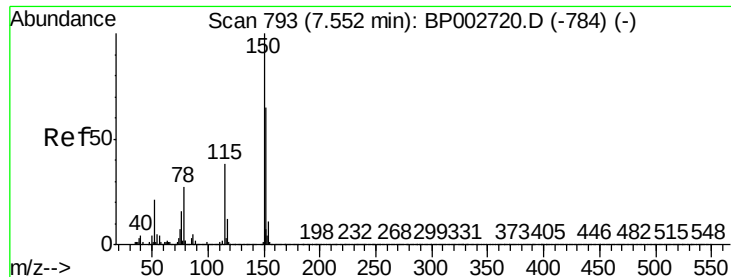
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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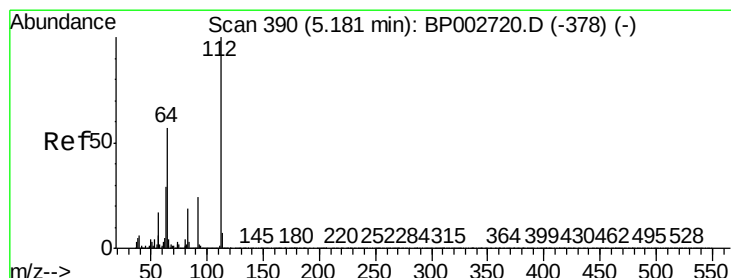
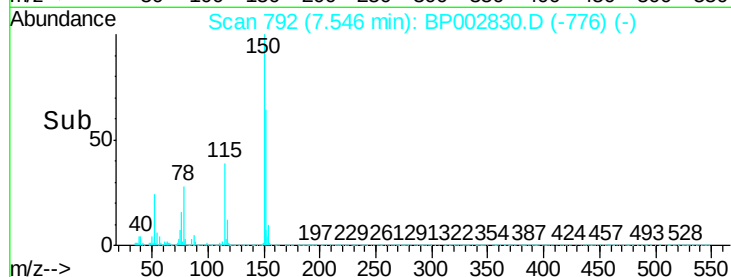
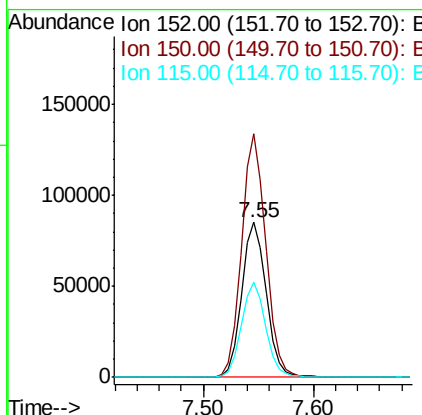
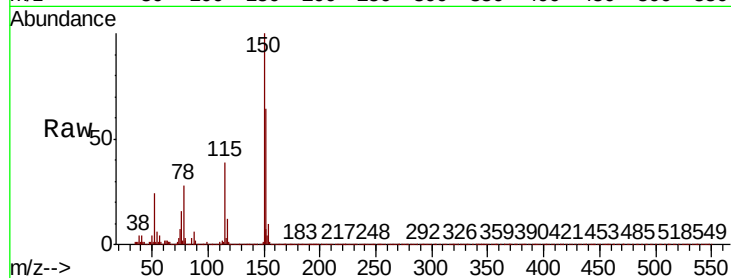


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

Instrument :
BNA_P
ClientSampleId :

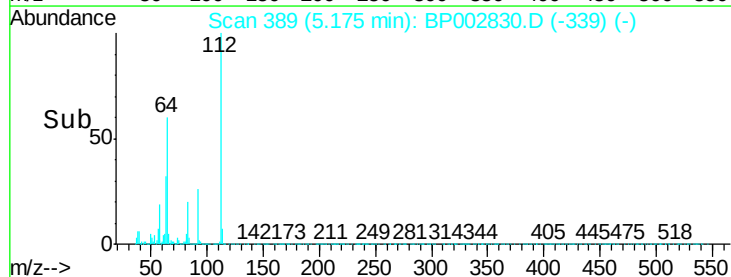
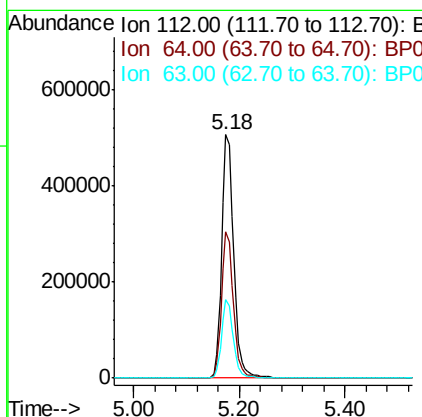
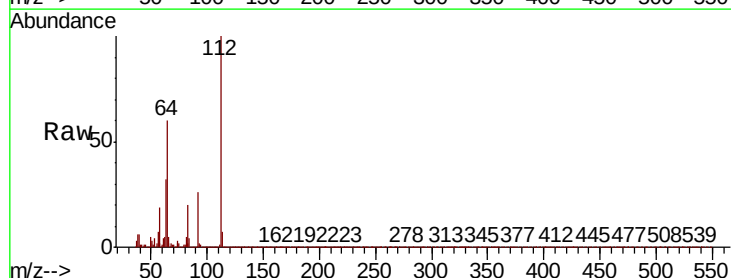
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.7	185.5
115	61.9	47.2	70.8

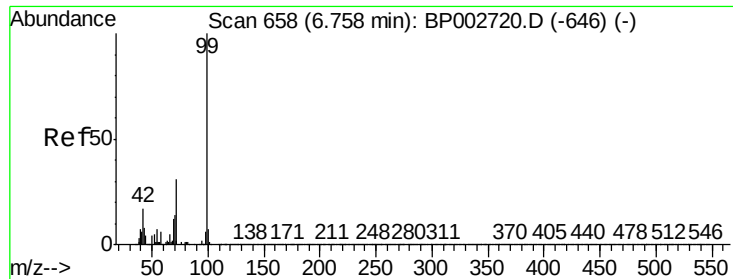


#5

2-Fluorophenol
Concen: 102.357 ng
RT: 5.18 min Scan# 389
Delta R.T. -0.01 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	45.6	68.4
63	32.2	23.5	35.3





#7

Phenol-d6

Concen: 95.515 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

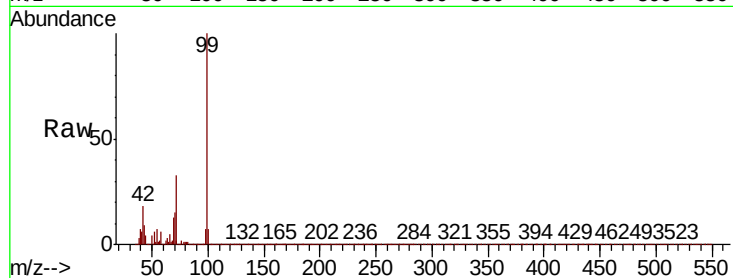
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1073023

Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.4	20.2
71	33.1	24.6	36.8

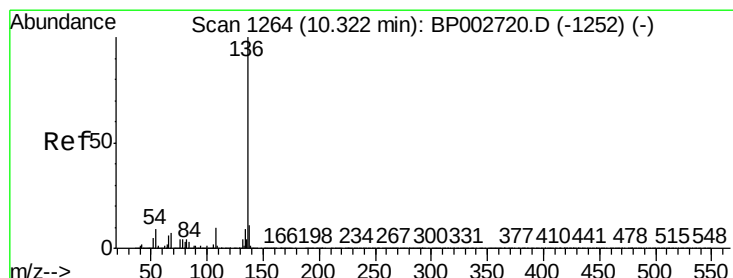
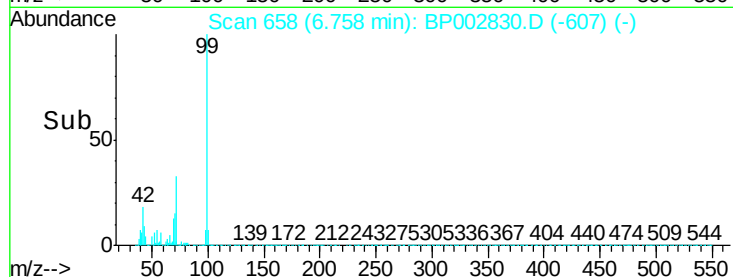
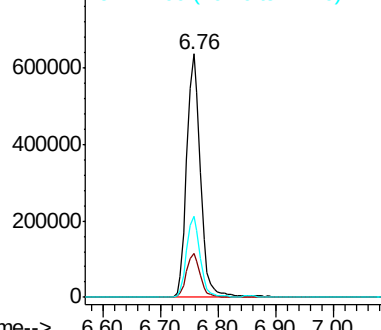


Abundance

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

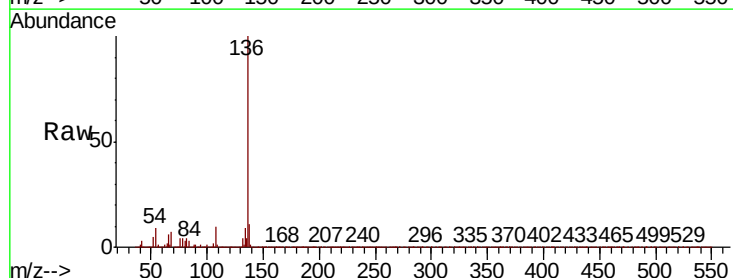
Delta R.T. -0.01 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

Tgt Ion: 136 Resp: 542586

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	6.9	10.3
68	7.3	5.7	8.5



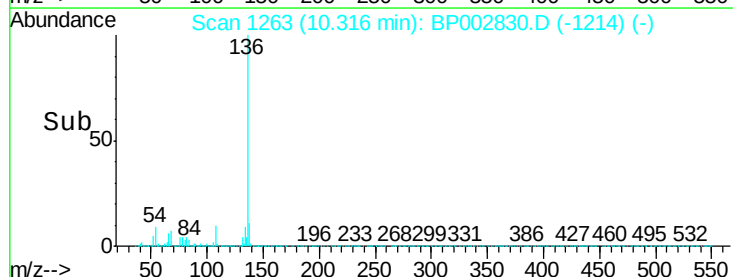
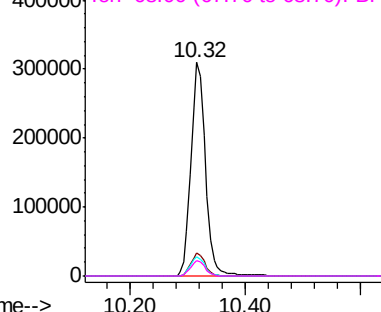
Abundance

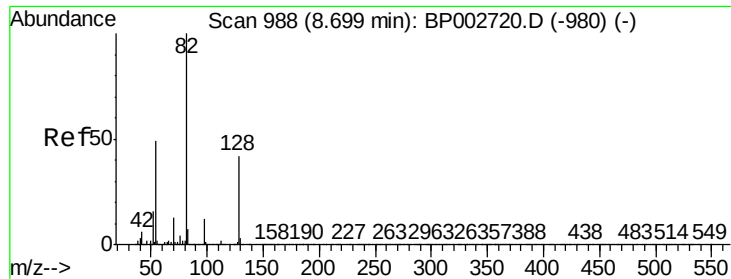
Ion 136.00 (135.70 to 136.70): E

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

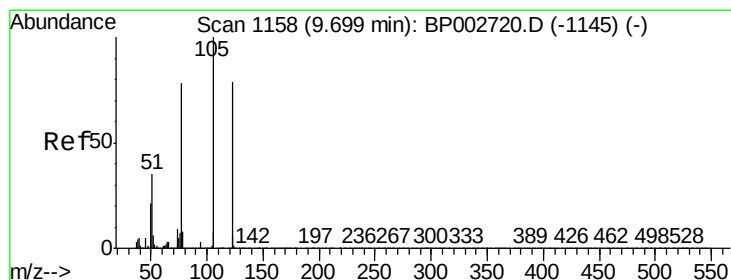
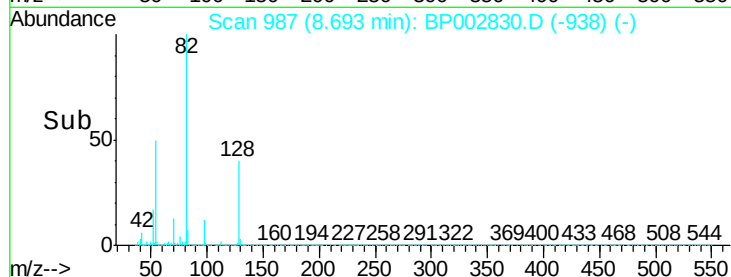
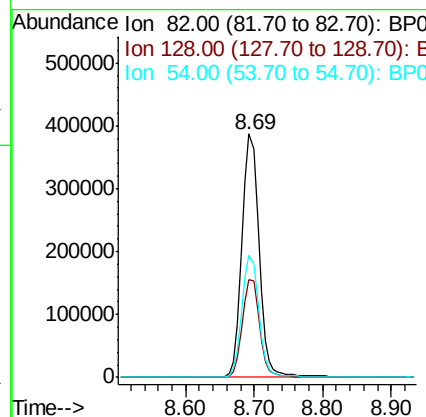
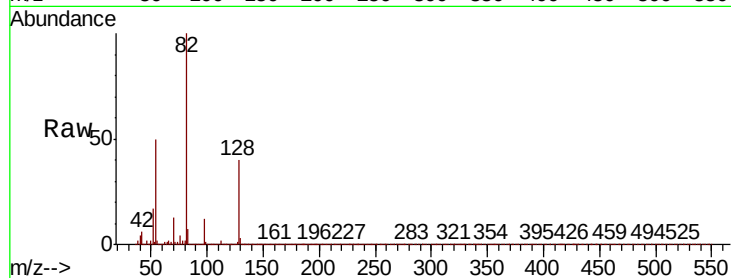




#23
Nitrobenzene-d5
Concen: 66.596 ng
RT: 8.69 min Scan# 987
Delta R.T. -0.01 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

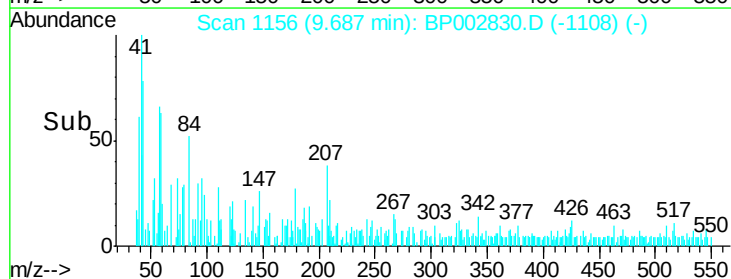
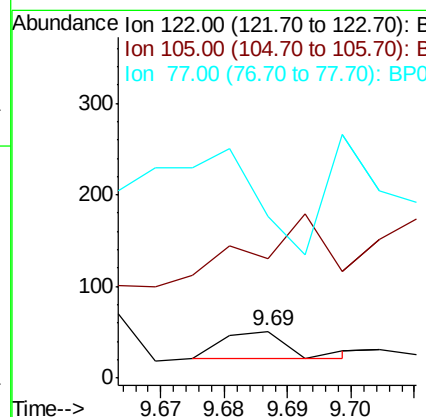
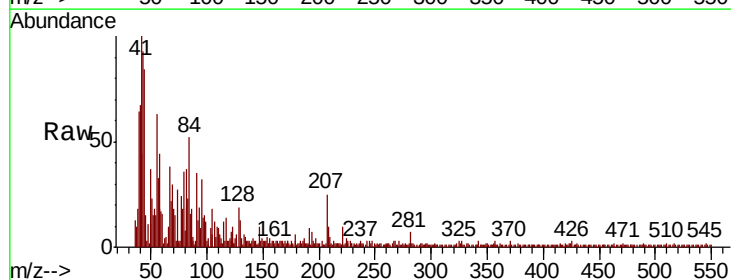
Instrument :
BNA_P
ClientSampleId :

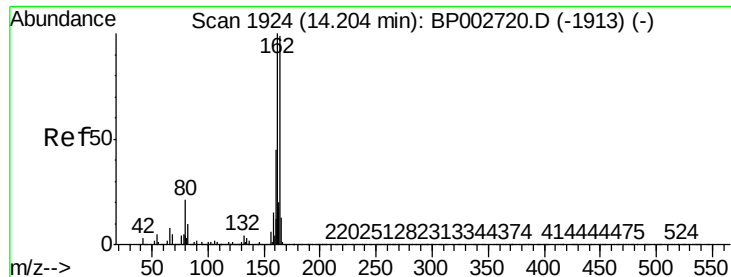
Tot Ion	82	Resp	675610
Ion Ratio	Lower	Upper	
82	100		
128	40.4	33.8	50.8
54	50.2	38.8	58.2



#32
Benzoic acid
Concen: 7.065 ng
RT: 9.69 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

Tgt Ion	122	Resp	22
Ion Ratio	Lower	Upper	
122	100		
105	256.9	105.4	145.4#
77	345.1	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: BP002830.D

Acq: 22 Jul 2020 18:06

Instrument :

BNA_P

ClientSampleId :

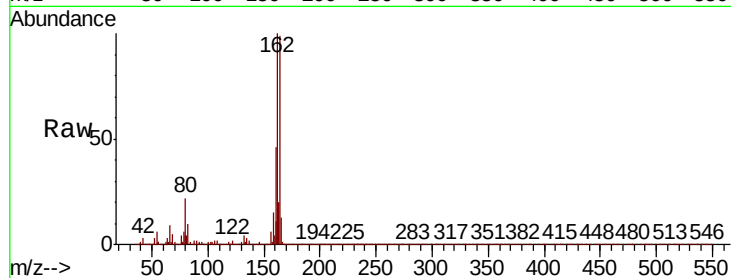
Tot Ion:164 Resp: 330156

Ion Ratio Lower Upper

164 100

162 100.6 80.6 121.0

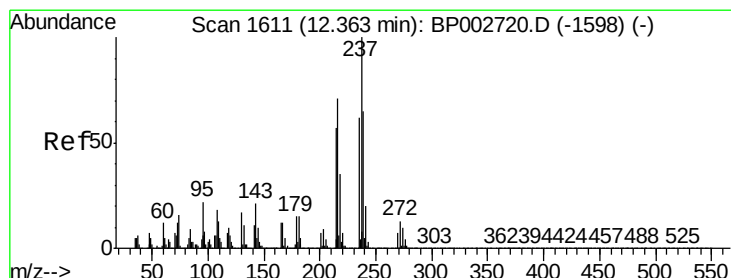
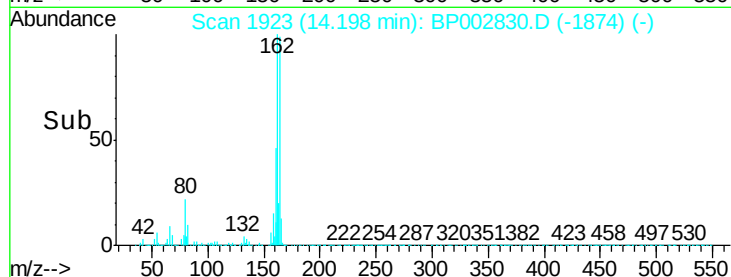
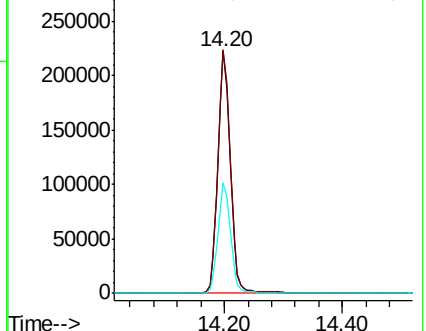
160 45.8 36.4 54.6



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: 12.27 min Scan# 1595

Delta R.T. -0.09 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

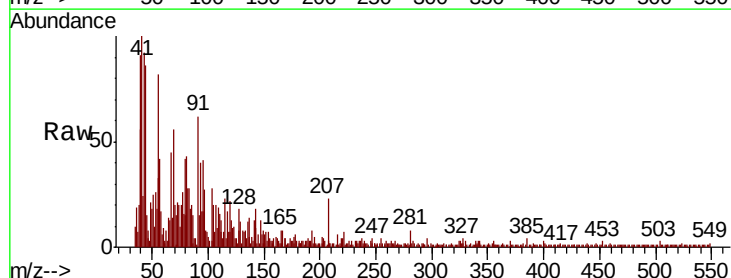
Tgt Ion:237 Resp: 16

Ion Ratio Lower Upper

237 100

235 75.0 42.3 82.3

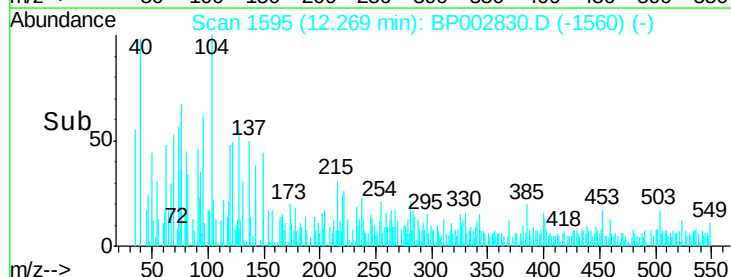
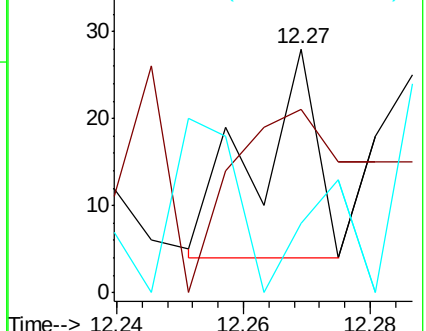
272 28.6 0.0 32.5

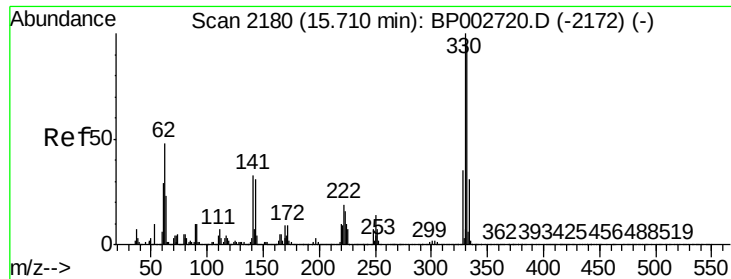


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

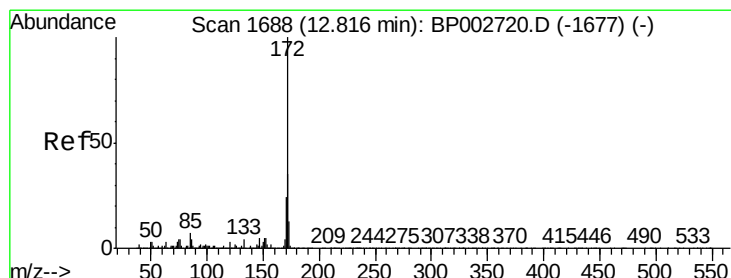
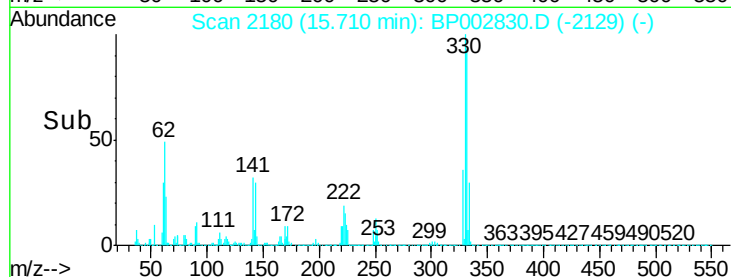
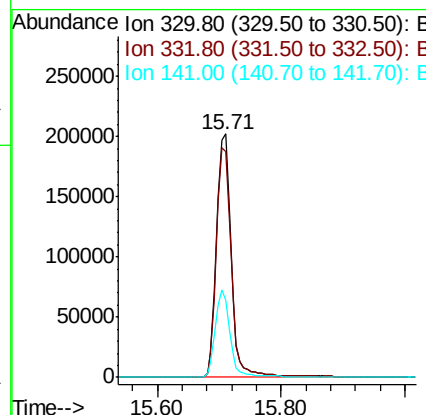
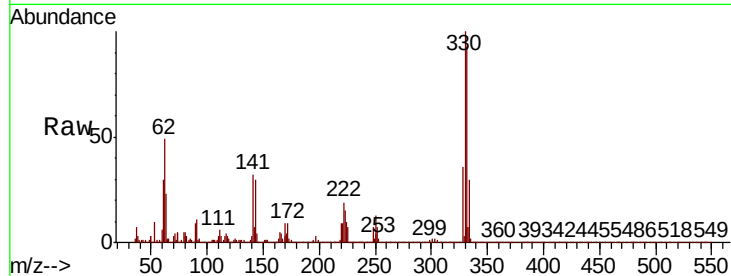




#42
 2,4,6-Tribromophenol
 Concen: 96.407 ng
 RT: 15.71 min Scan# 2180
 Delta R.T. 0.00 min
 Lab File: BP002830.D
 Acq: 22 Jul 2020 18:06

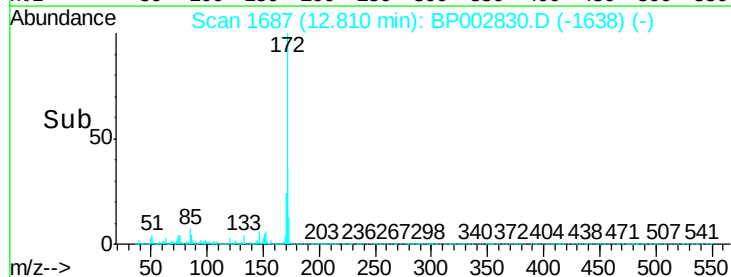
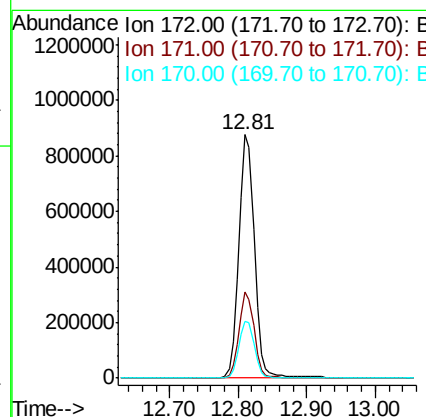
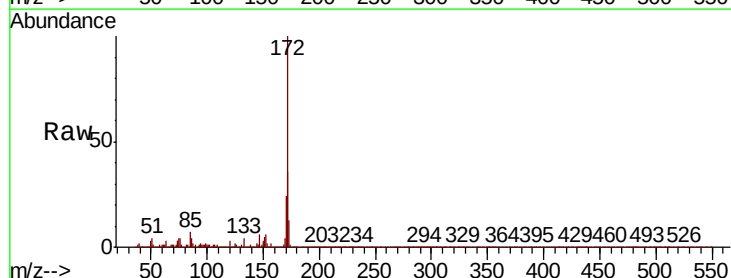
Instrument :
 BNA_P
 ClientSampled :

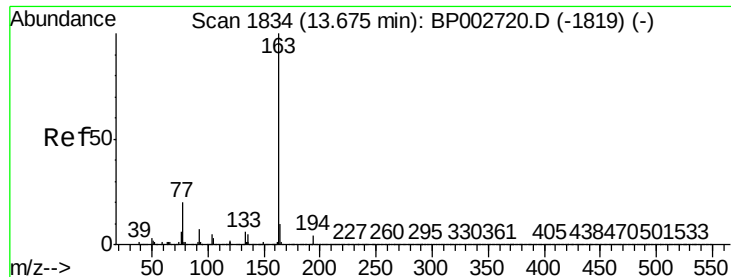
Tot Ion:330 Resp: 332246
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.5 114.7
 141 35.2 28.8 43.2



#45
 2-Fluorobiphenyl
 Concen: 64.930 ng
 RT: 12.81 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BP002830.D
 Acq: 22 Jul 2020 18:06

Tgt Ion:172 Resp: 1385738
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.1 42.1
 170 23.5 19.3 28.9





#50

Dimethylphthalate

Concen: 10.463 ng

RT: 13.66 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

Instrument :

BNA_P

ClientSampleId :

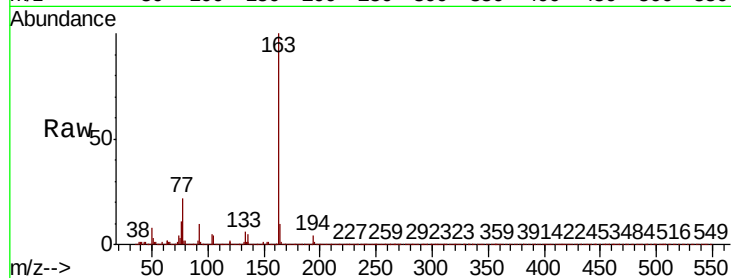
Tot Ion:163 Resp: 263461

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

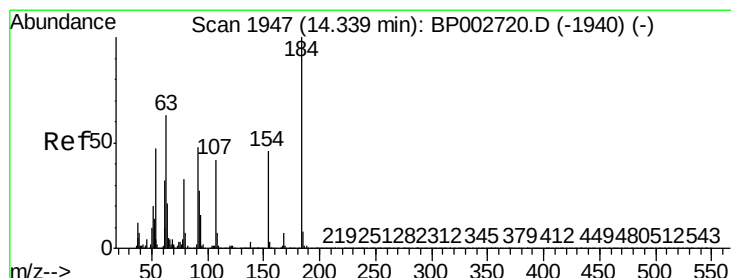
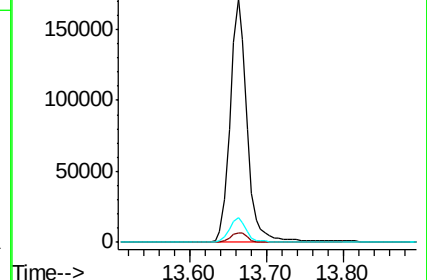
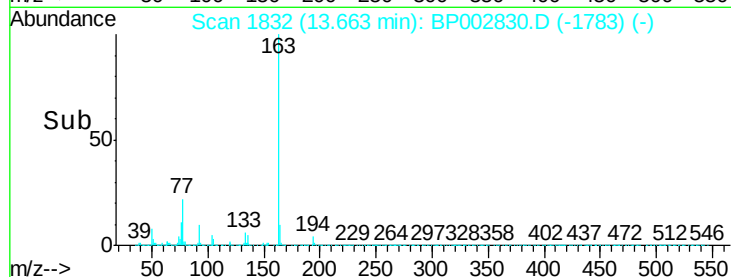
164 10.2 7.8 11.8



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: 11.383 ng

RT: 14.33 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

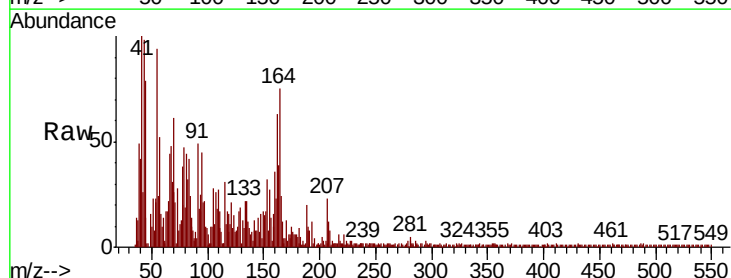
Tgt Ion:184 Resp: 32

Ion Ratio Lower Upper

184 100

63 750.0 51.6 77.4#

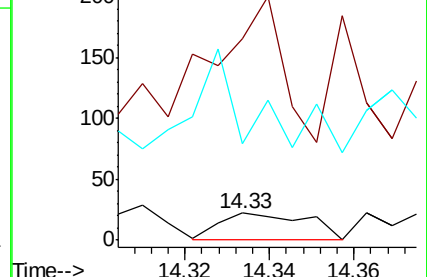
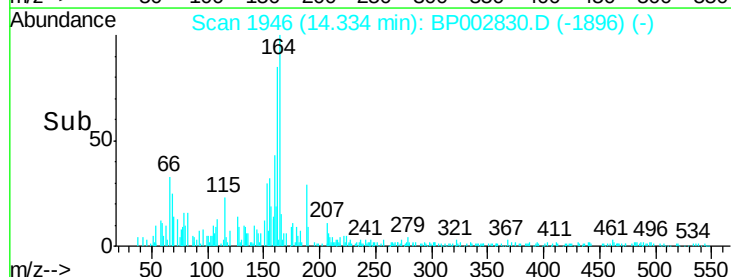
154 359.1 45.0 67.6#

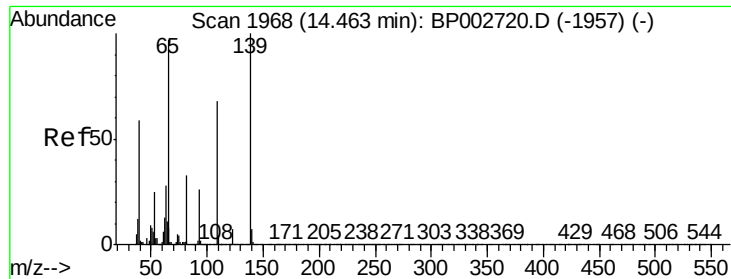


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

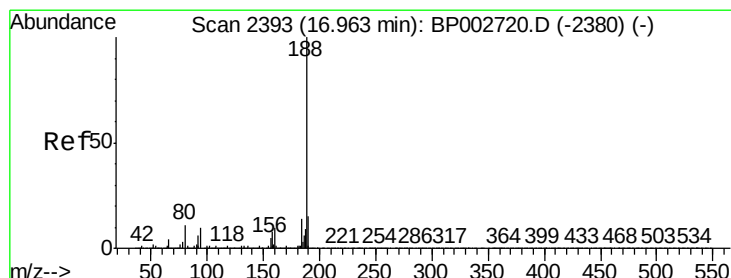
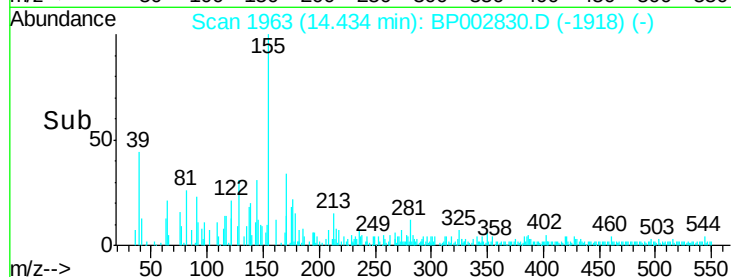
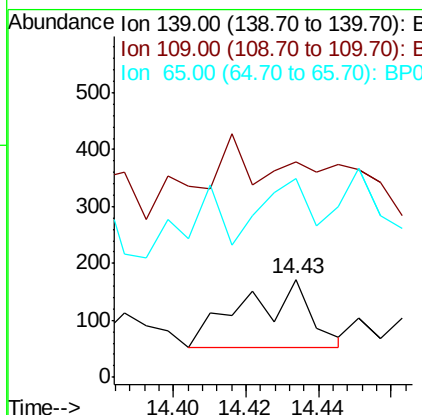
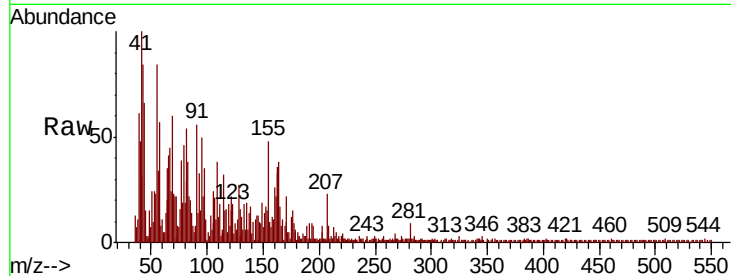




#56
4-Nitrophenol
Concen: 5.002 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.04 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

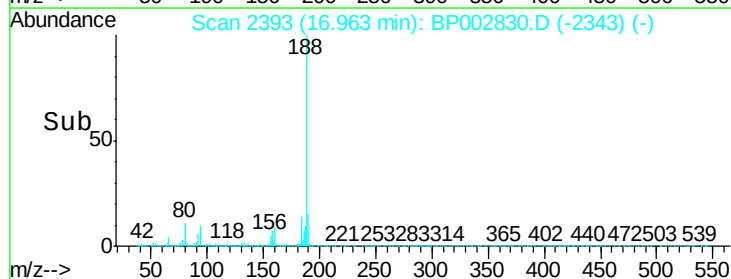
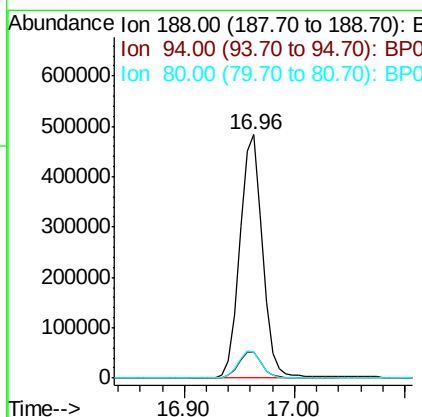
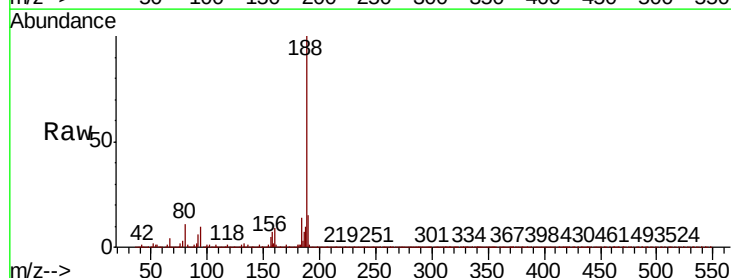
Instrument :
BNA_P
ClientSampled :

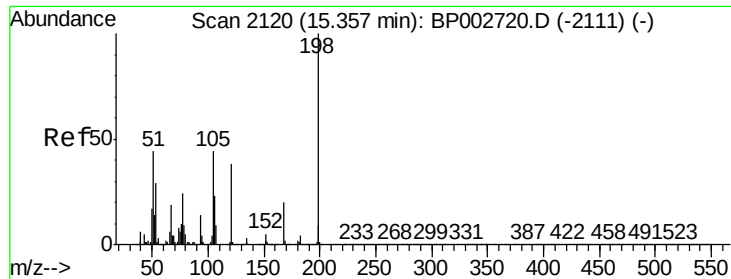
Tot Ion:139 Resp: 153
Ion Ratio Lower Upper
139 100
109 219.8 48.1 88.1#
65 202.9 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

Tgt Ion:188 Resp: 698896
Ion Ratio Lower Upper
188 100
94 10.4 8.1 12.1
80 10.7 8.9 13.3

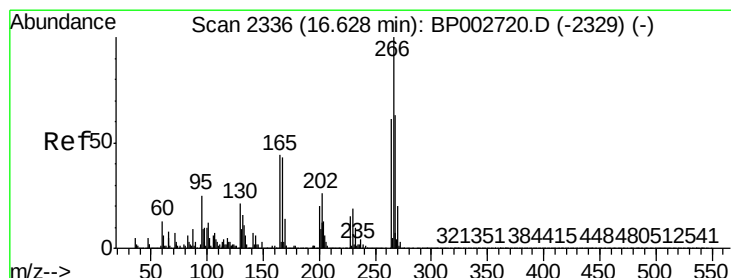
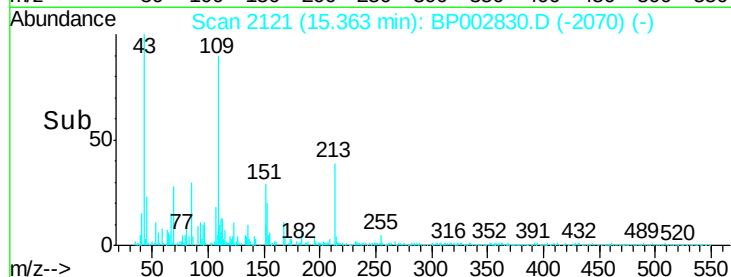
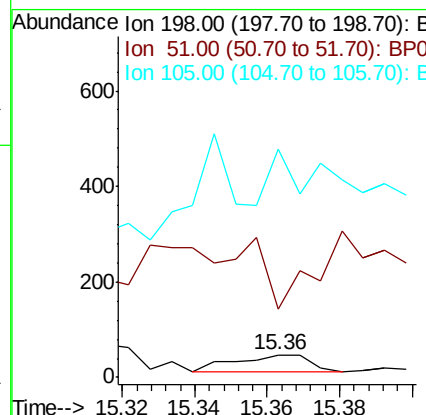
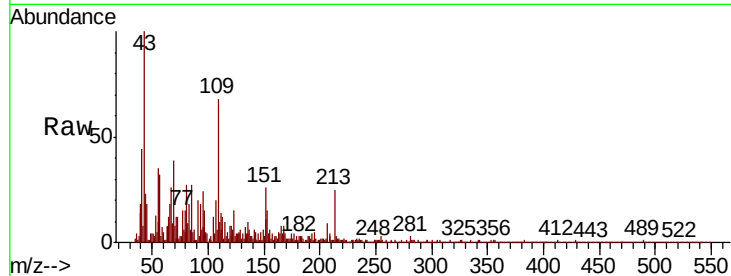




#65
4,6-Dinitro-2-methylphenol
Concen: 5.278 ng
RT: 15.36 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

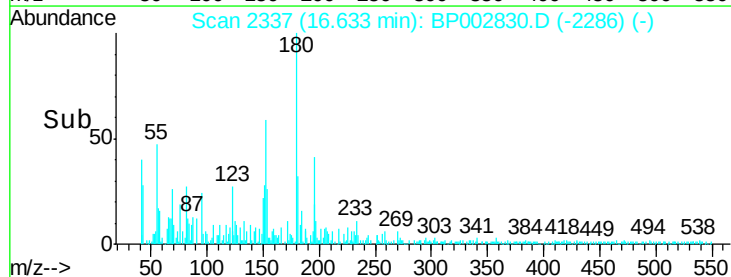
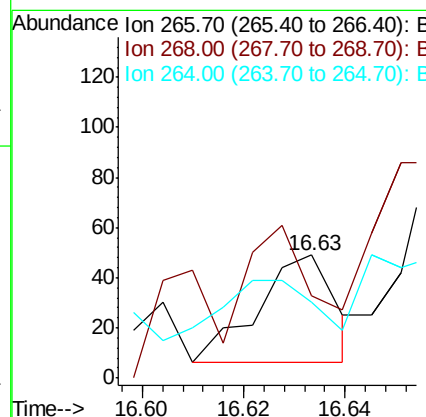
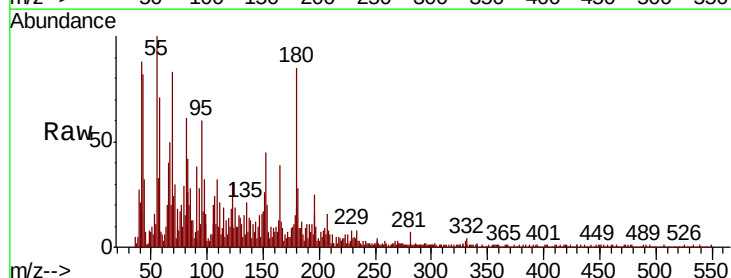
Instrument :
BNA_P
ClientSampleId :

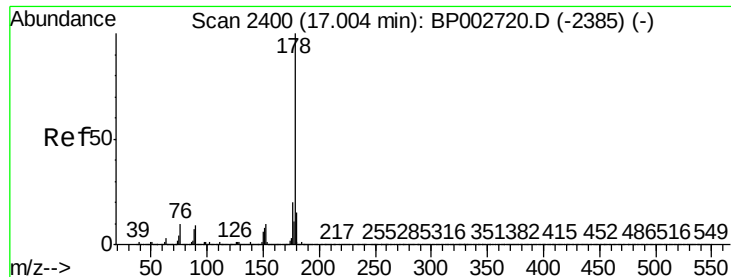
Tot Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 306.4 27.1 67.1#
105 1014.9 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.452 ng
RT: 16.63 min Scan# 2337
Delta R.T. 0.00 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

Tgt Ion:266 Resp: 46
Ion Ratio Lower Upper
266 100
268 67.3 50.6 75.8
264 61.2 48.6 72.8





#71

Phenanthrene

Concen: 2.367 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

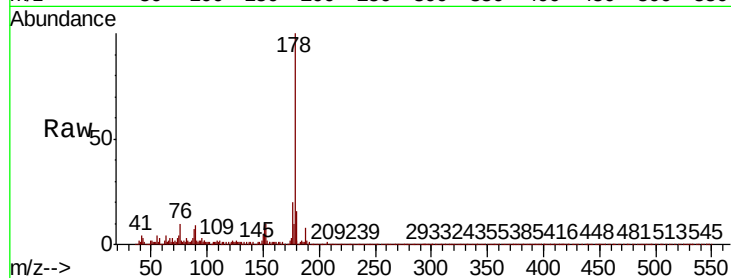
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 89554

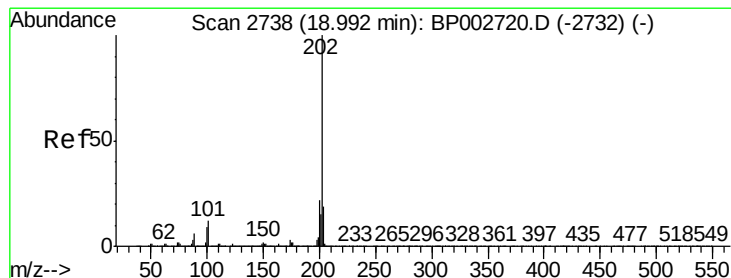
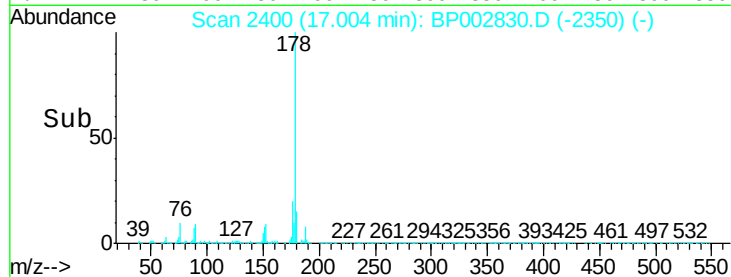
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	16.0	12.3	18.5



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: 3.523 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

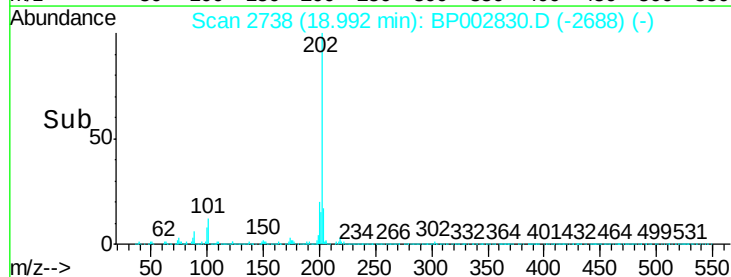
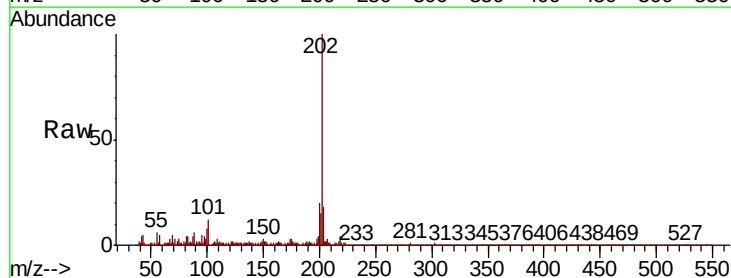
Tgt Ion:202 Resp: 154465

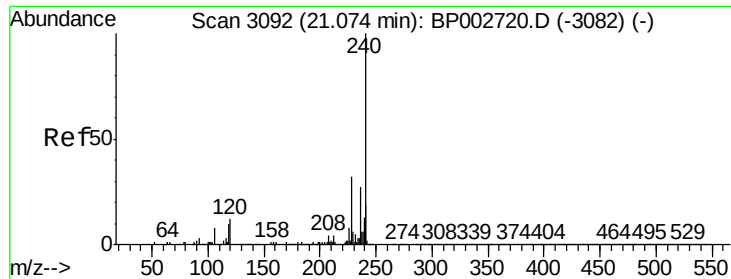
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.5
203	17.7	0.0	38.6

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

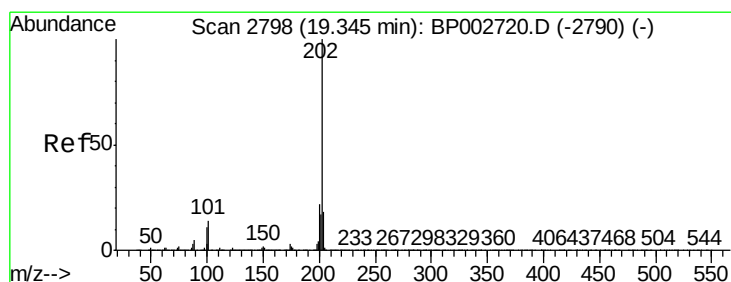
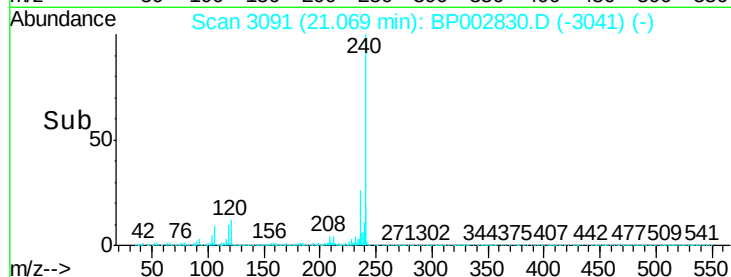
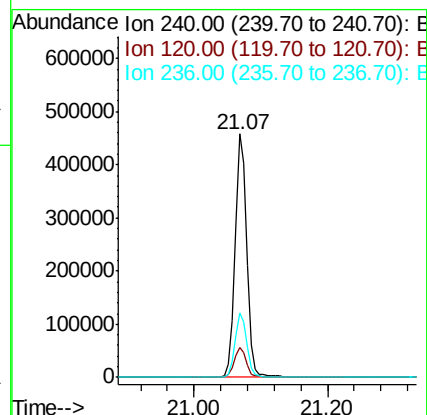
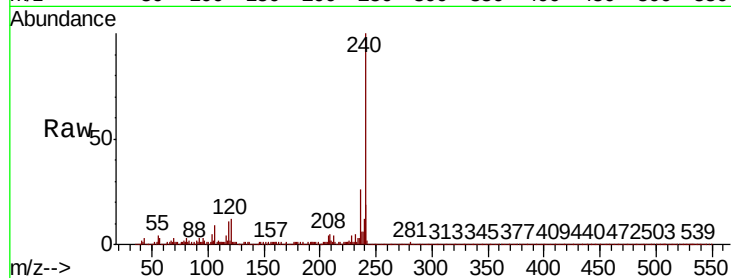




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

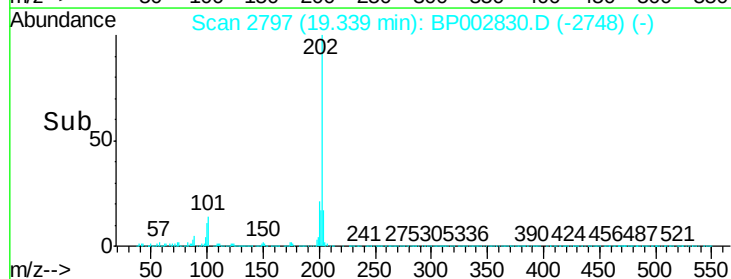
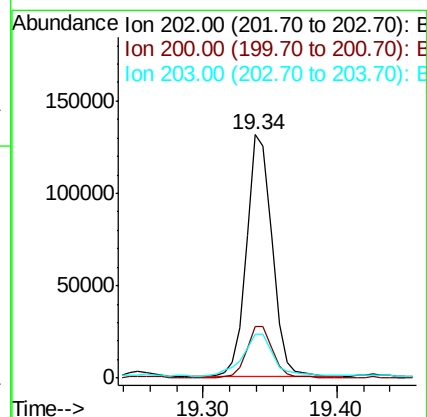
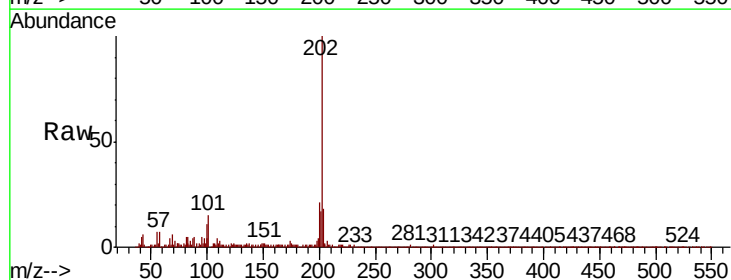
Instrument :
BNA_P
ClientSampleId :

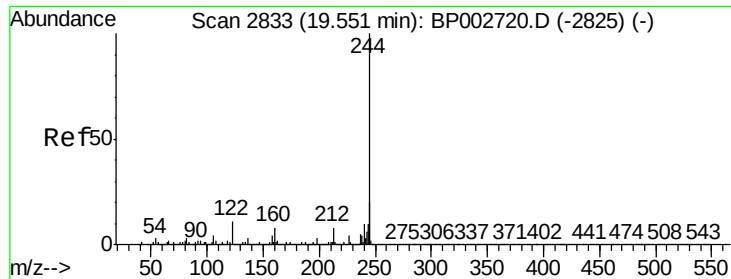
Tot Ion:240 Resp: 565135
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 26.4 21.3 31.9



#78
Pyrene
Concen: 4.434 ng
RT: 19.34 min Scan# 2797
Delta R.T. -0.01 min
Lab File: BP002830.D
Acq: 22 Jul 2020 18:06

Tgt Ion:202 Resp: 173029
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 18.0 14.5 21.7





#79

Terphenyl-d14

Concen: 70.744 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

Instrument :

BNA_P

ClientSampleId :

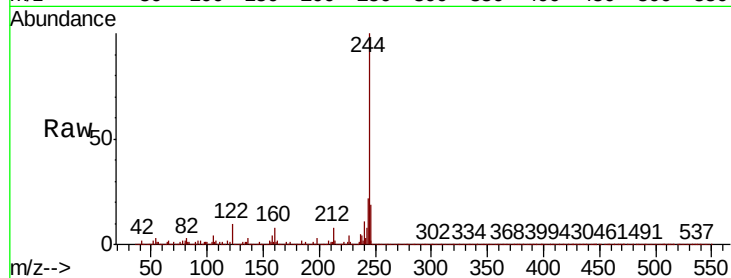
Tot Ion:244 Resp: 1743782

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

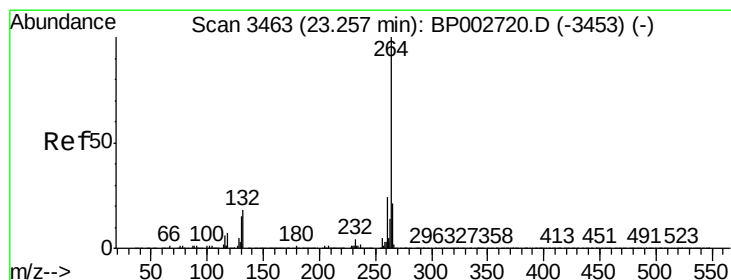
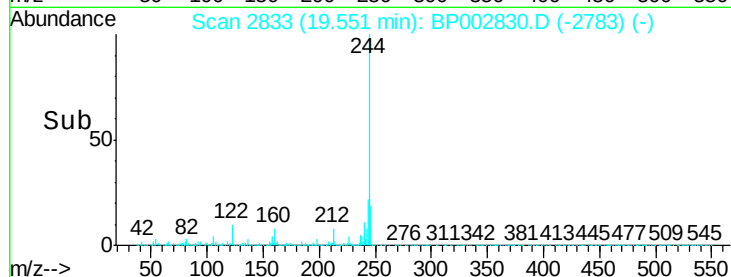
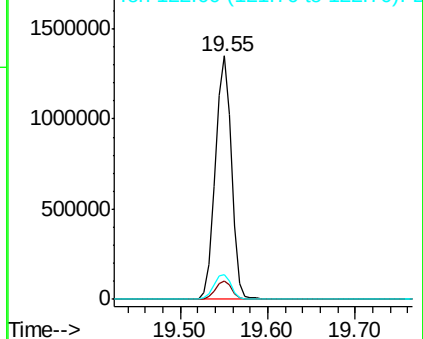
122 10.2 8.9 13.3



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.26 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

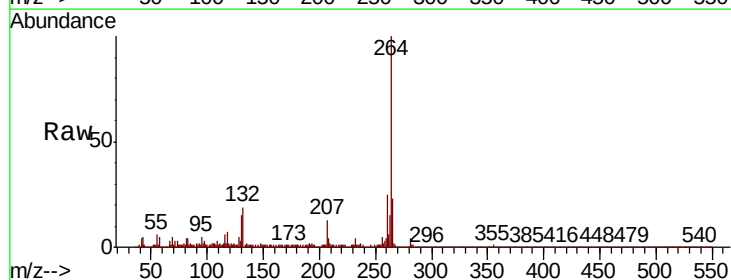
Tgt Ion:264 Resp: 487228

Ion Ratio Lower Upper

264 100

260 25.1 19.3 28.9

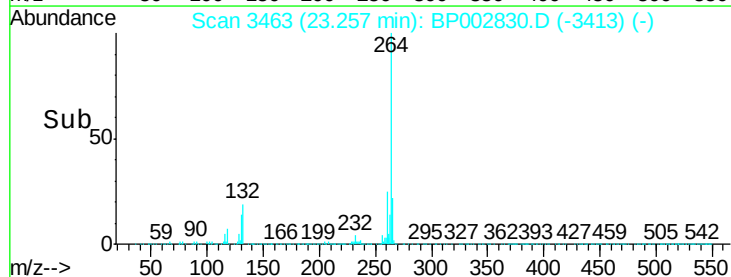
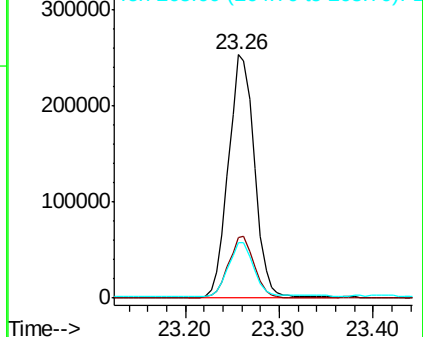
265 22.7 16.8 25.2

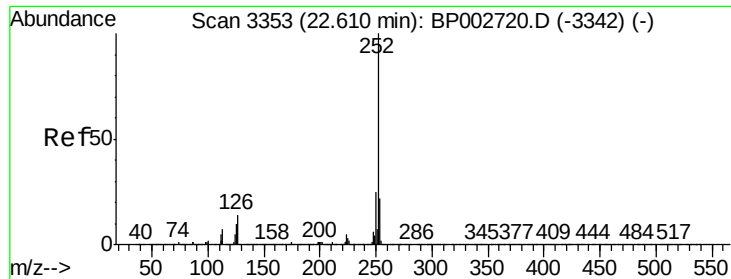


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.612 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.01 min

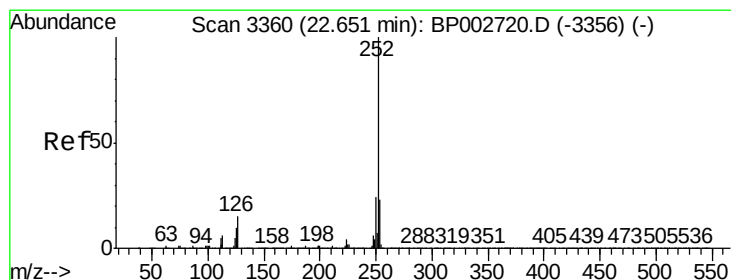
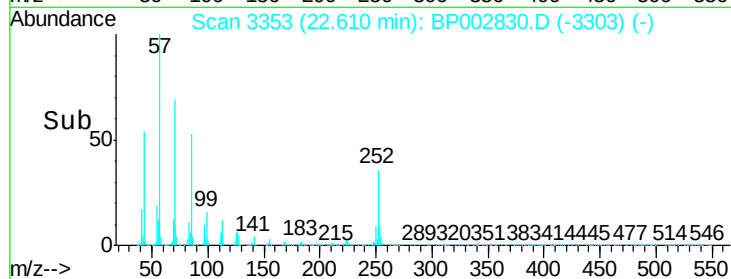
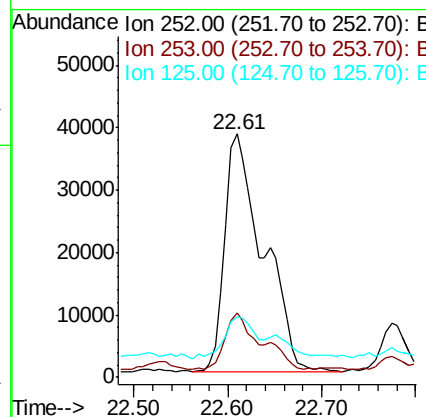
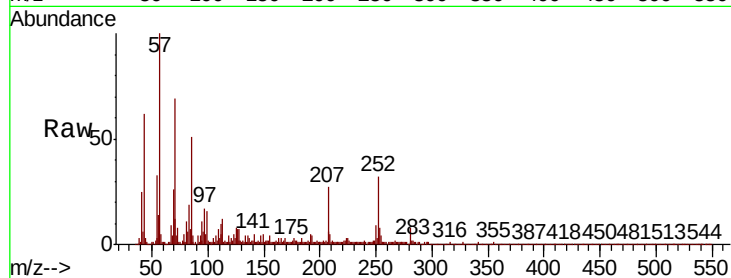
Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

Instrument :
BNA_P
ClientSampled :

Tot Ion:252 Resp: 109279

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.7	26.5
125	25.0	8.2	12.2#



#89

Benzo(k)fluoranthene

Concen: 3.667 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.05 min

Lab File: BP002830.D

Acq: 22 Jul 2020 18:06

Tgt Ion:252 Resp: 109279

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.8	26.8
125	25.0	8.3	12.5#

