

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072220\
 Data File : BP002831.D
 Acq On : 22 Jul 2020 18:40
 Operator : CG/JU
 Sample : L3189-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 23 01:21:08 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	161663	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	651481	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	378267	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	737371	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	516183	20.00	ng	0.00
86) Perylene-d12	23.26	264	514231	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	590717	61.65	ng	0.00
7) Phenol-d6	6.76	99	795774	58.19	ng	0.00
23) Nitrobenzene-d5	8.69	82	494399	40.59	ng	-0.01
42) 2,4,6-Tribromophenol	15.70	330	225503	57.11	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	1061799	43.42	ng	-0.01
79) Terphenyl-d14	19.55	244	1059952	47.08	ng	0.00

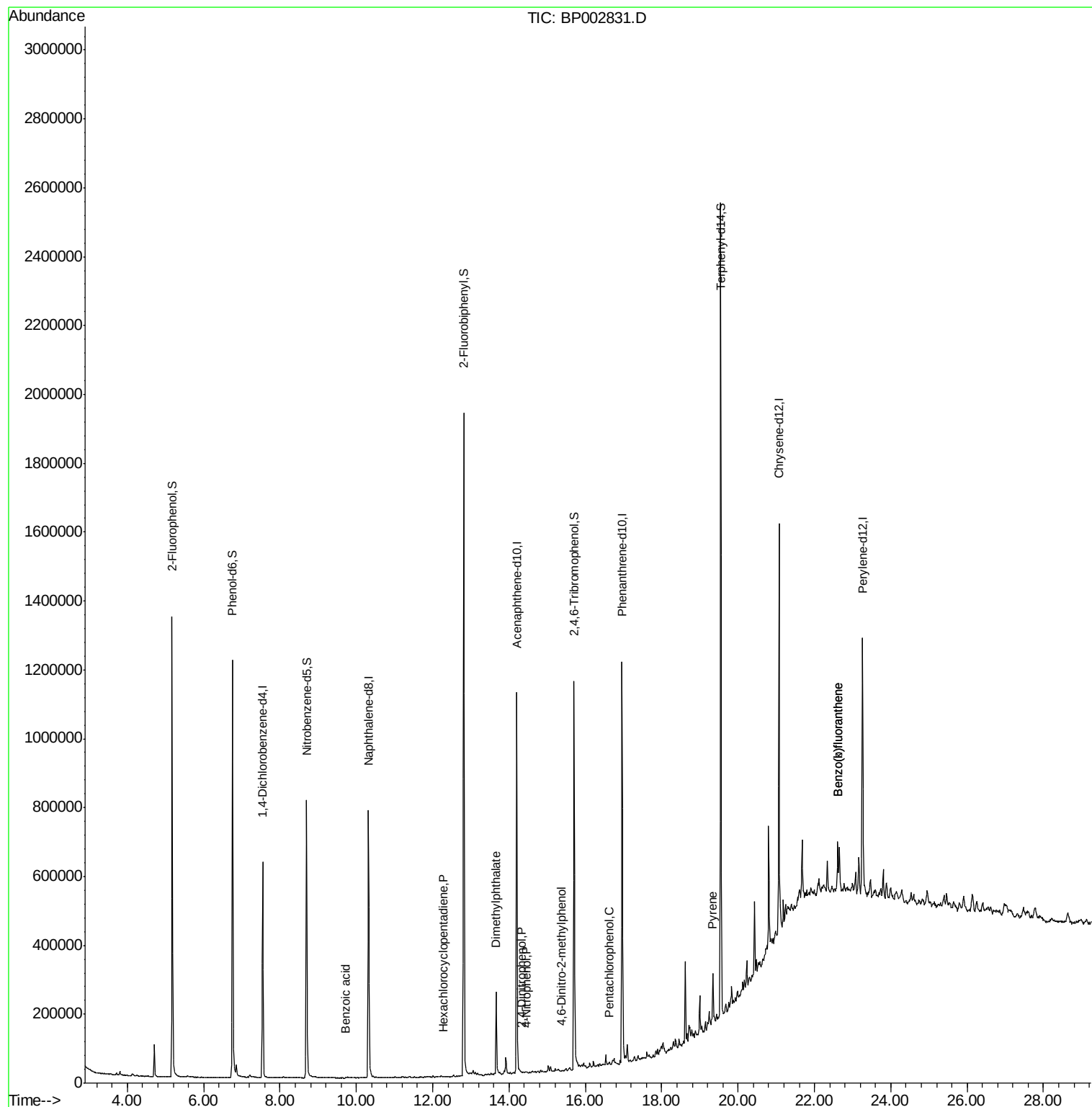
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.72	122	17	7.064	ng	# 1
41) Hexachlorocyclopentadiene	12.29	237	22	7.438	ng	95
50) Dimethylphthalate	13.66	163	158041	5.478	ng	99
54) 2,4-Dinitrophenol	14.32	184	24	11.380	ng	# 1
56) 4-Nitrophenol	14.46	139	53	4.981	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.35	198	16	5.270	ng	# 1
70) Pentachlorophenol	16.63	266	35	7.449	ng	93
78) Pyrene	19.34	202	87734	2.462	ng	99
88) Benzo(b)fluoranthene	22.61	252	77802	2.437	ng	# 83
89) Benzo(k)fluoranthene	22.61	252	77802	2.474	ng	# 83

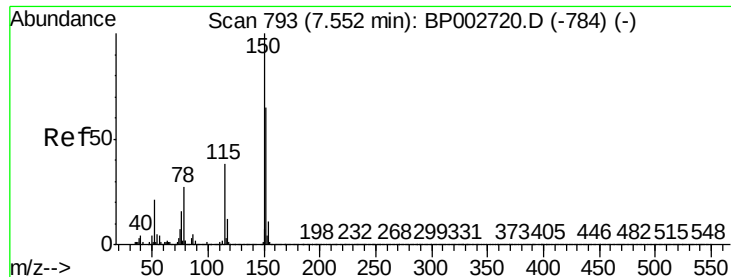
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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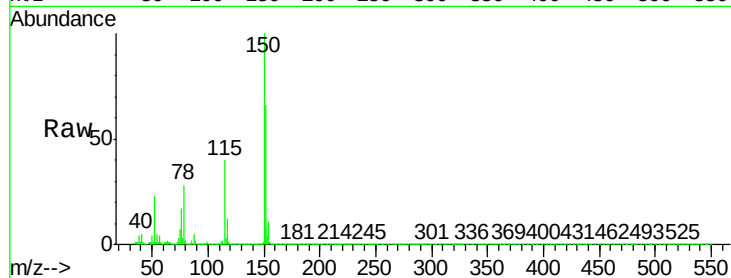


#1

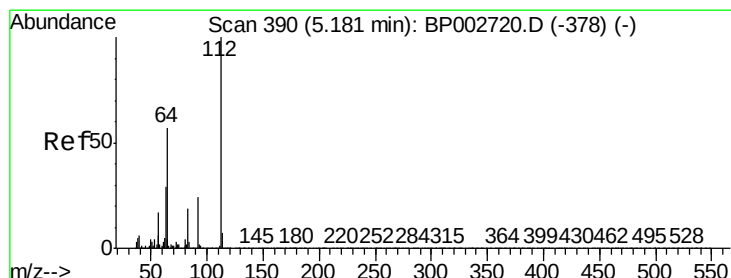
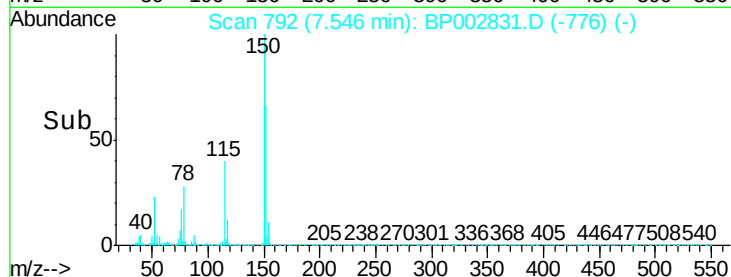
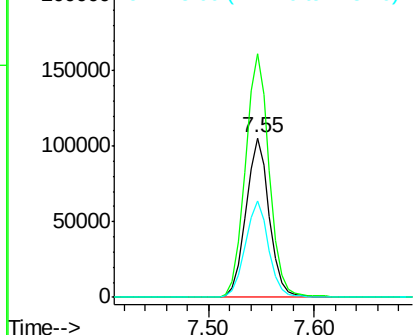
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	123.7	185.5
115	60.4	47.2	70.8



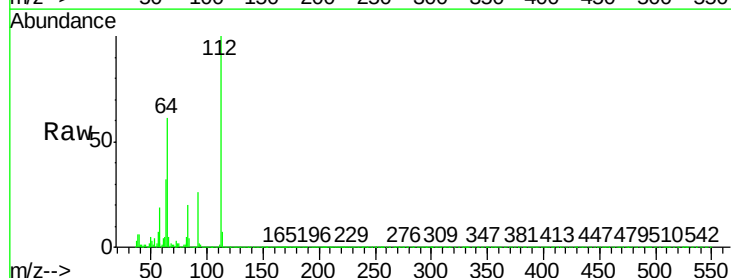
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



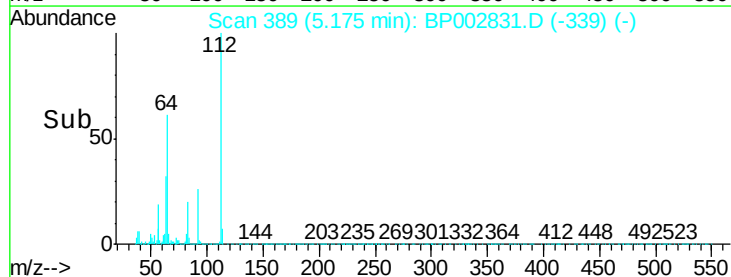
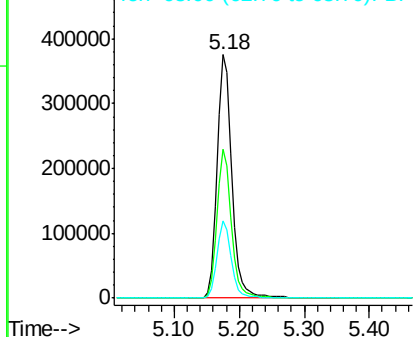
#5

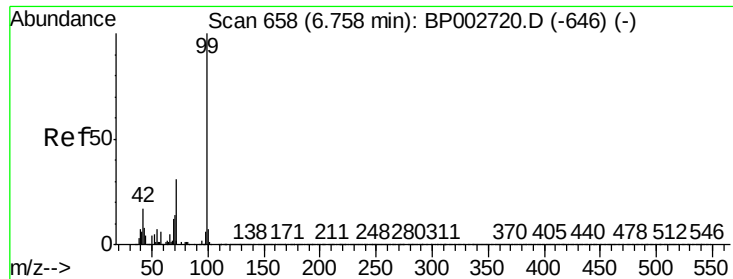
2-Fluorophenol
Concen: 61.650 ng
RT: 5.18 min Scan# 389
Delta R.T. -0.01 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	45.6	68.4
63	31.9	23.5	35.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 58.193 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002831.D

Acq: 22 Jul 2020 18:40

Instrument :

BNA_P

ClientSampled :

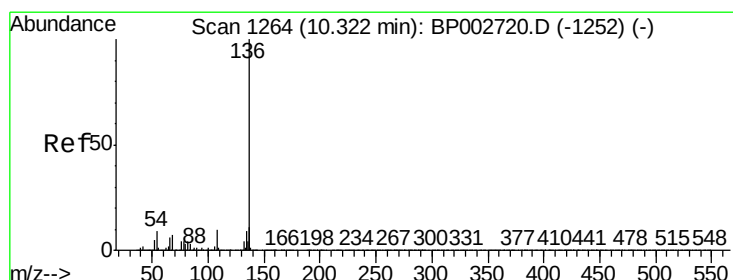
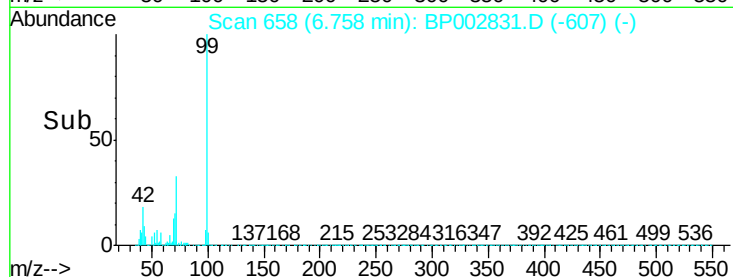
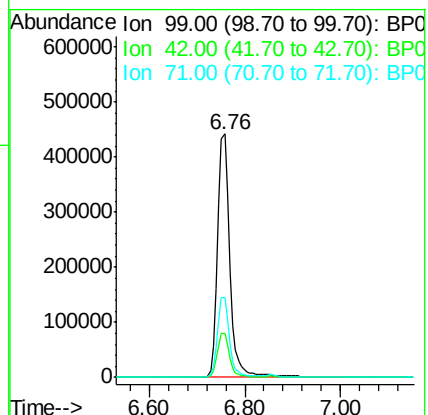
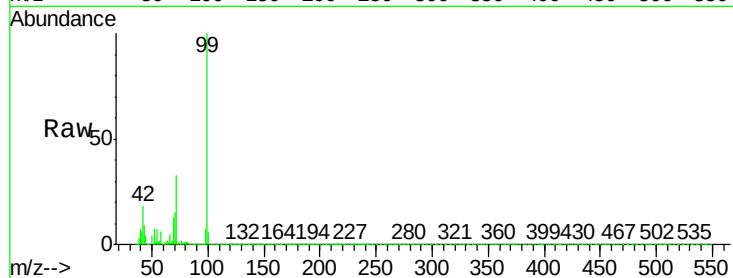
Tot Ion: 99 Resp: 795774

Ion Ratio Lower Upper

99 100

42 18.0 13.4 20.2

71 32.7 24.6 36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BP002831.D

Acq: 22 Jul 2020 18:40

Tgt Ion: 136 Resp: 651481

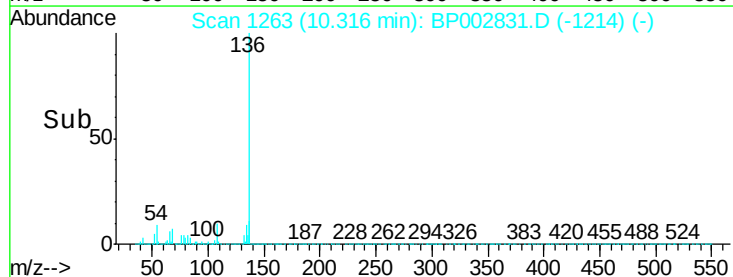
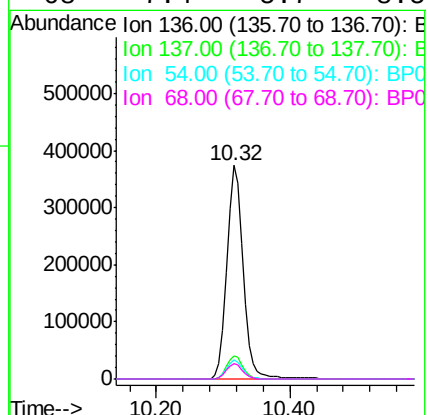
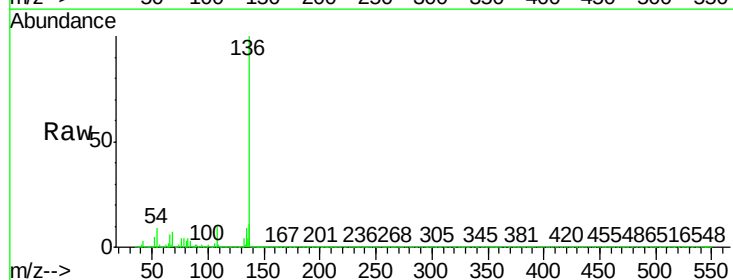
Ion Ratio Lower Upper

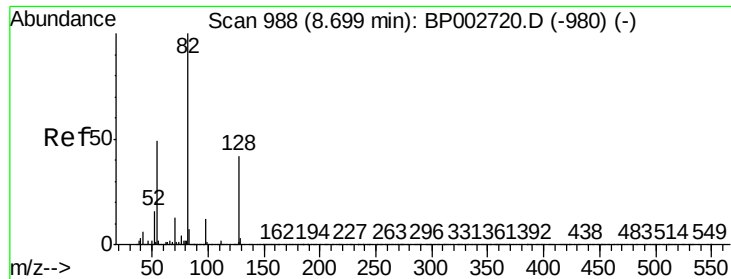
136 100

137 10.7 8.6 13.0

54 8.8 6.9 10.3

68 7.4 5.7 8.5

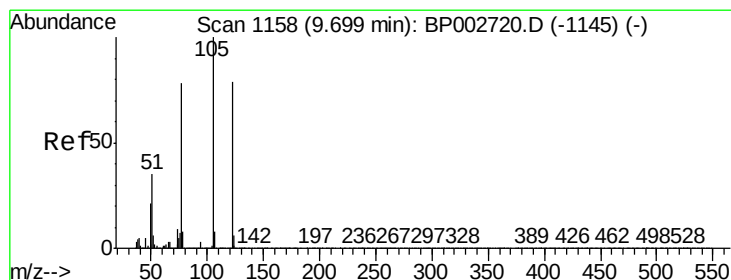
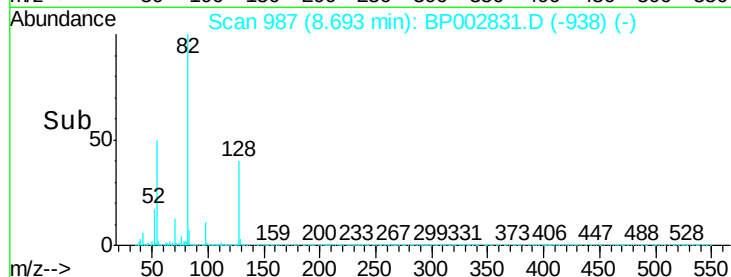
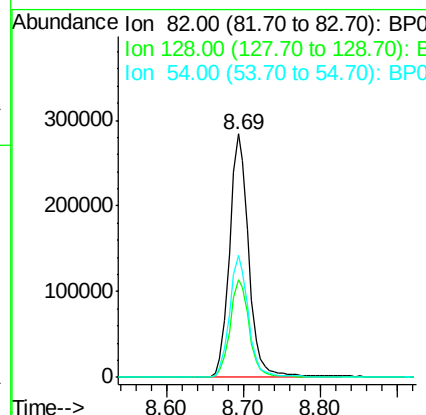
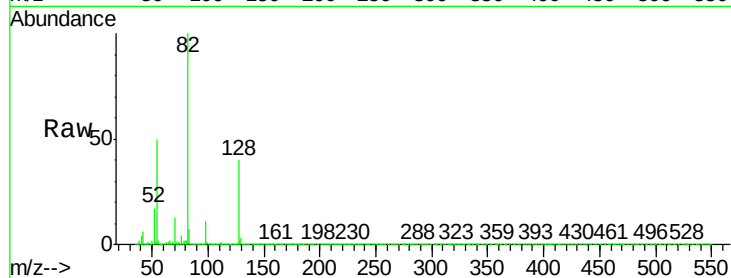




#23
Nitrobenzene-d5
Concen: 40.588 ng
RT: 8.69 min Scan# 987
Delta R.T. -0.01 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

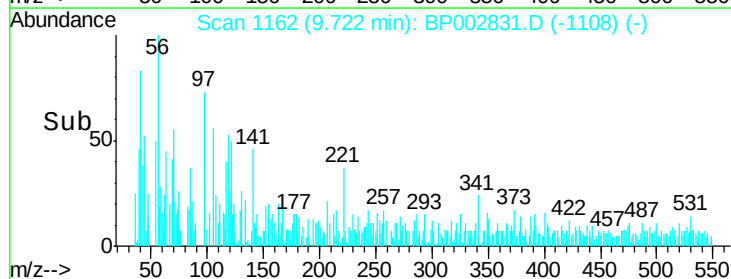
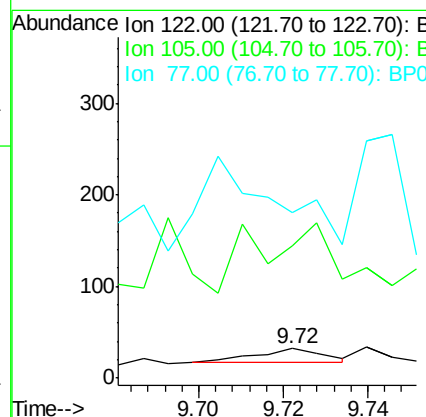
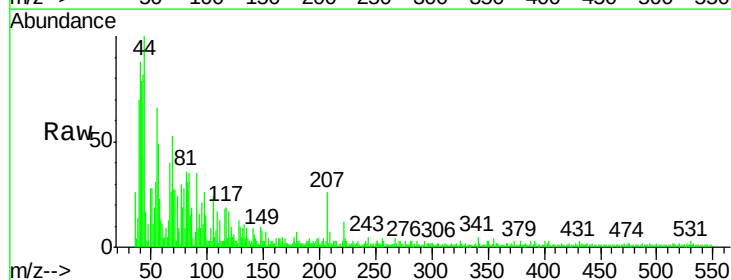
Instrument :
BNA_P
ClientSampleId :

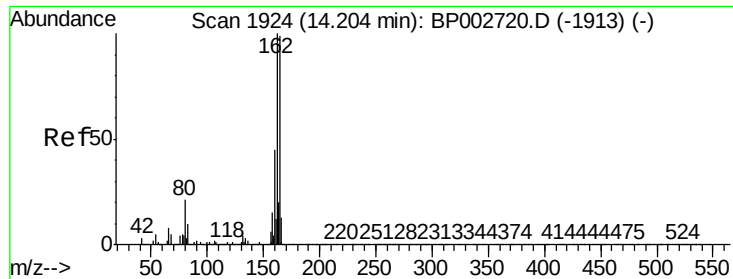
Tot Ion	82	Resp	494399
Ion Ratio	Lower	Upper	
82	100		
128	40.4	33.8	50.8
54	50.2	38.8	58.2



#32
Benzoic acid
Concen: 7.064 ng
RT: 9.72 min Scan# 1162
Delta R.T. 0.02 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

Tgt Ion	122	Resp	17
Ion Ratio	Lower	Upper	
122	100		
105	450.0	105.4	145.4#
77	562.5	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: BP002831.D

Acq: 22 Jul 2020 18:40

Instrument :

BNA_P

ClientSampleId :

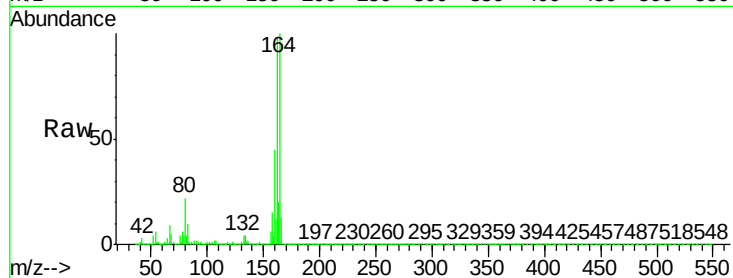
Tot Ion:164 Resp: 378267

Ion Ratio Lower Upper

164 100

162 98.0 80.6 121.0

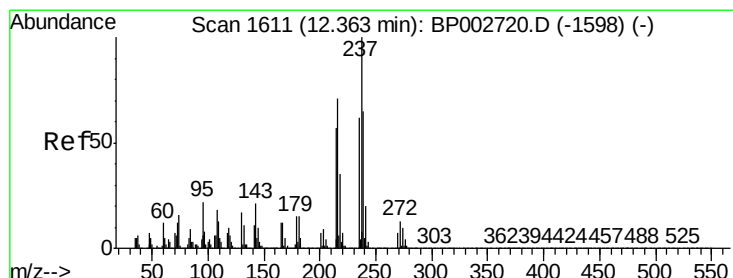
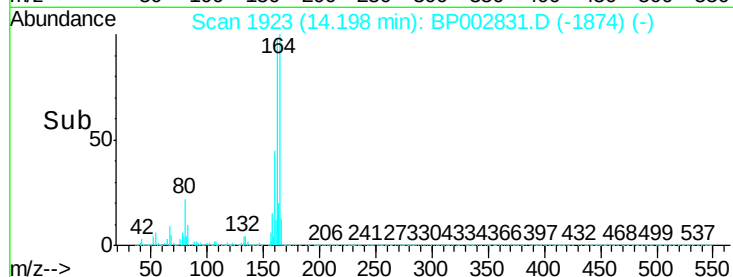
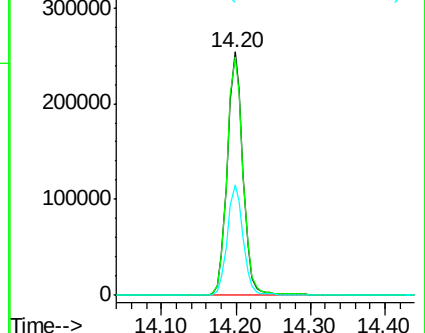
160 45.4 36.4 54.6



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: 7.438 ng

RT: 12.29 min Scan# 1598

Delta R.T. -0.08 min

Lab File: BP002831.D

Acq: 22 Jul 2020 18:40

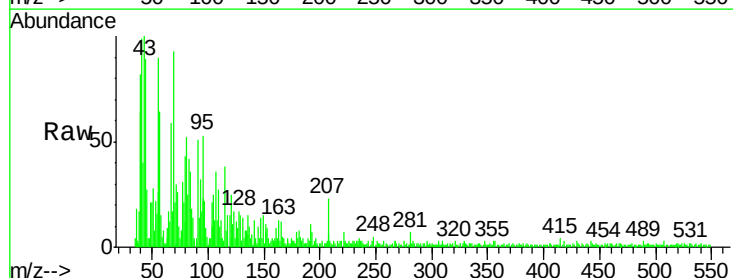
Tgt Ion:237 Resp: 22

Ion Ratio Lower Upper

237 100

235 63.6 42.3 82.3

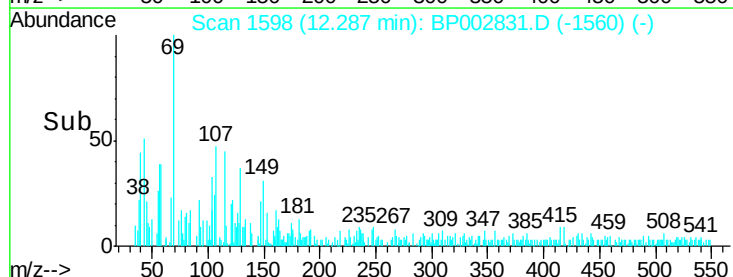
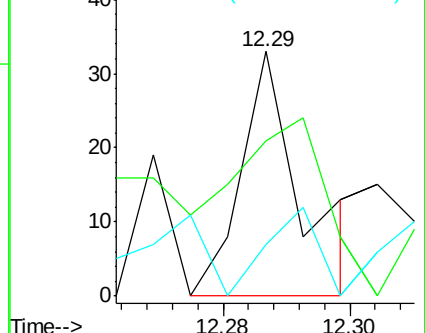
272 21.2 0.0 32.5

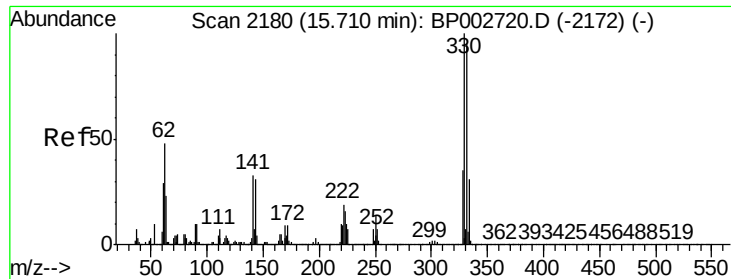


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

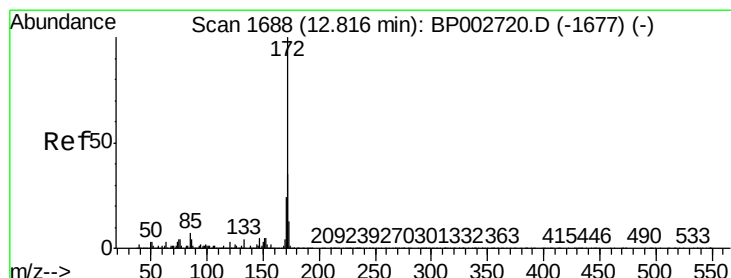
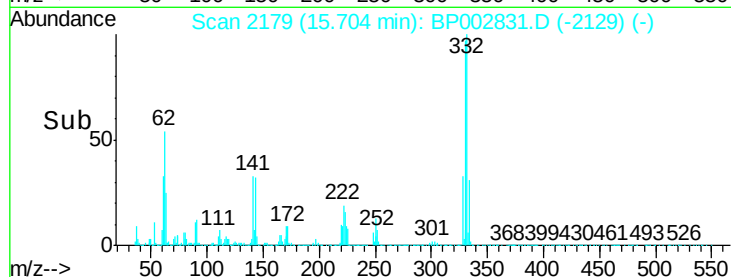
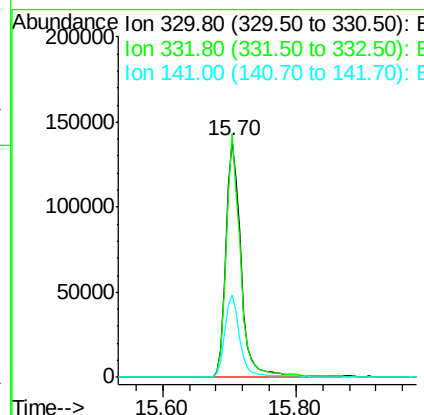
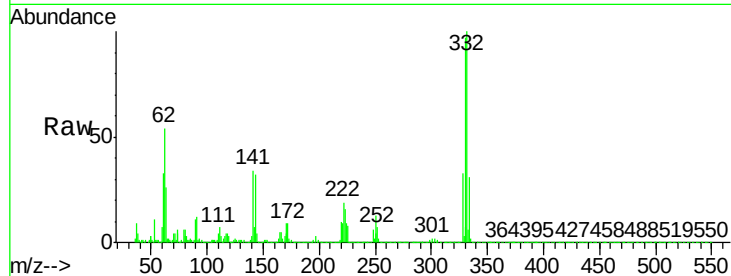




#42
 2,4,6-Tribromophenol
 Concen: 57.111 ng
 RT: 15.70 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BP002831.D
 Acq: 22 Jul 2020 18:40

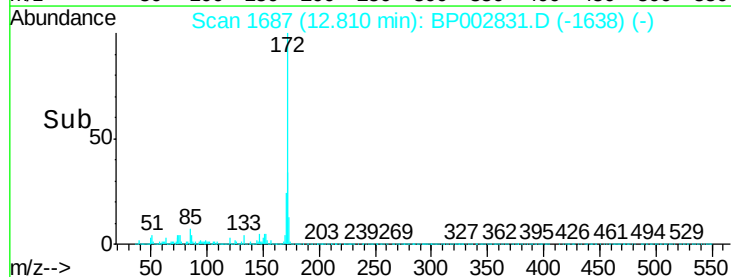
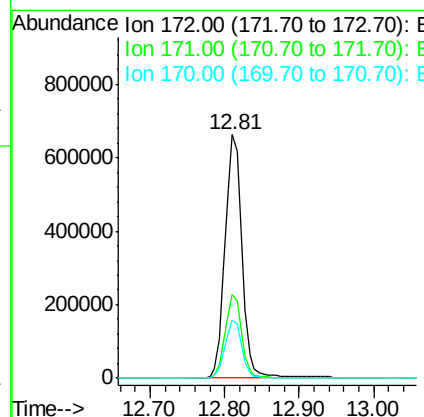
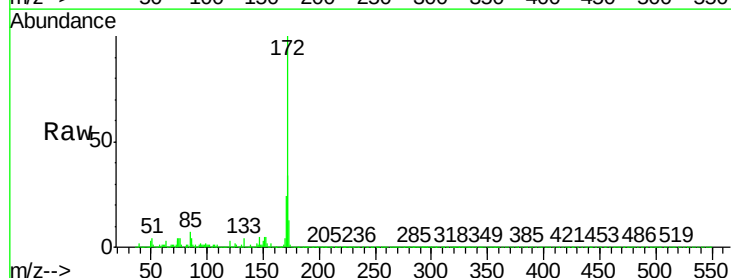
Instrument :
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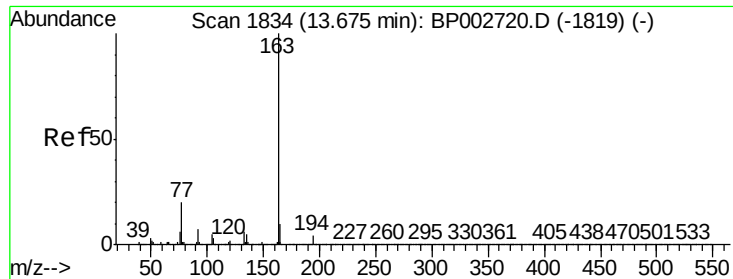
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.5	114.7
141	35.2	28.8	43.2



#45
 2-Fluorobiphenyl
 Concen: 43.424 ng
 RT: 12.81 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BP002831.D
 Acq: 22 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.1	42.1
170	23.6	19.3	28.9

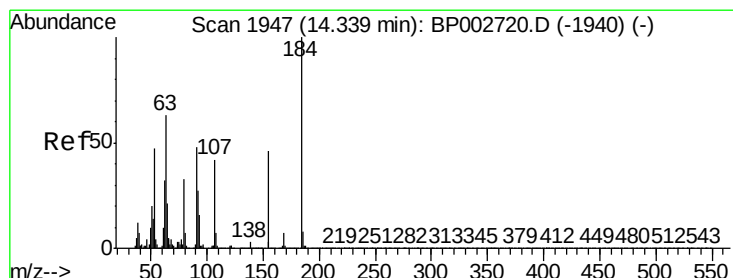
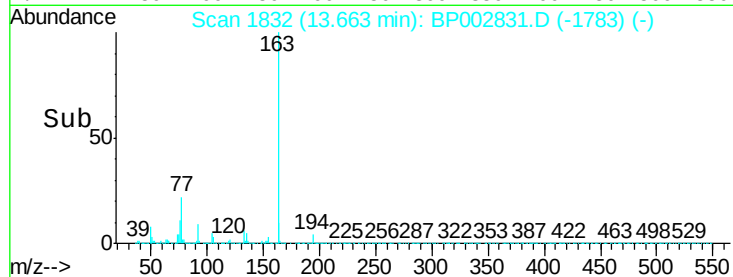
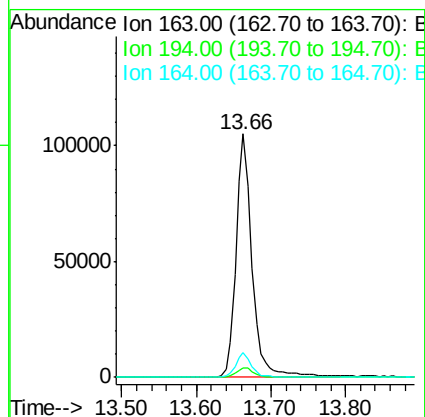
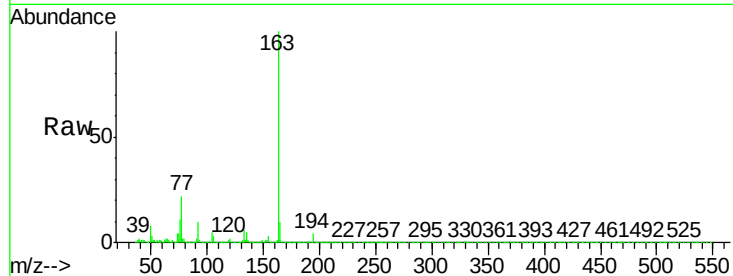




#50
Dimethylphthalate
Concen: 5.478 ng
RT: 13.66 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

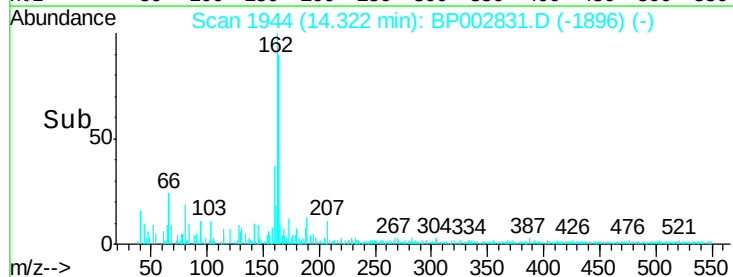
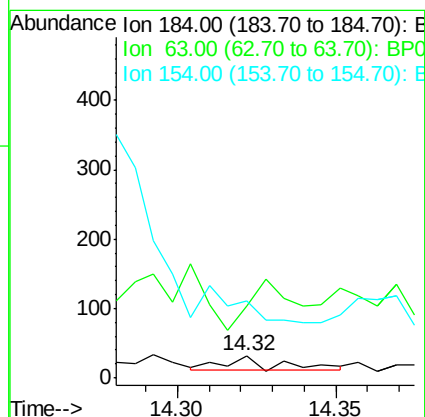
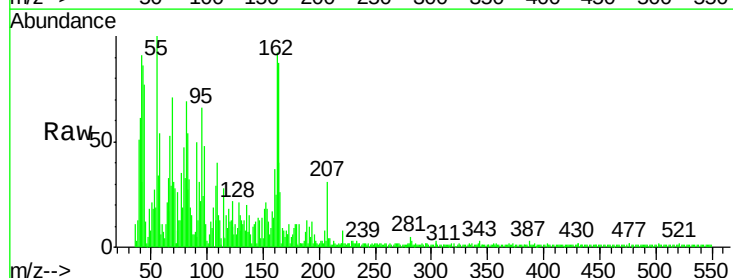
Instrument :
BNA_P
ClientSampleId :

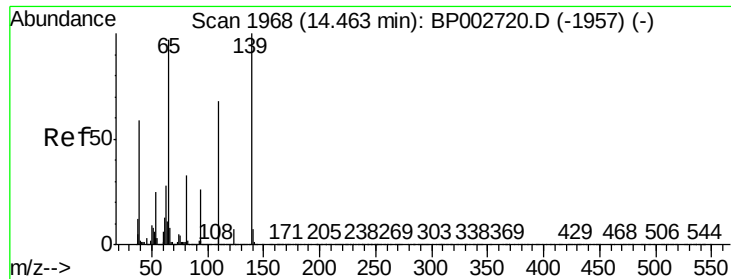
Tot Ion:163 Resp: 158041
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 10.2 7.8 11.8



#54
2,4-Dinitrophenol
Concen: 11.380 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.02 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

Tgt Ion:184 Resp: 24
Ion Ratio Lower Upper
184 100
63 325.0 51.6 77.4#
154 343.8 45.0 67.6#

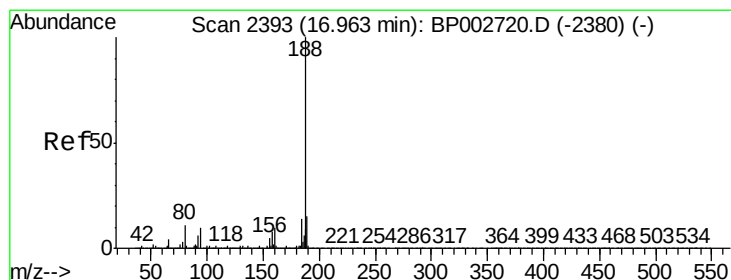
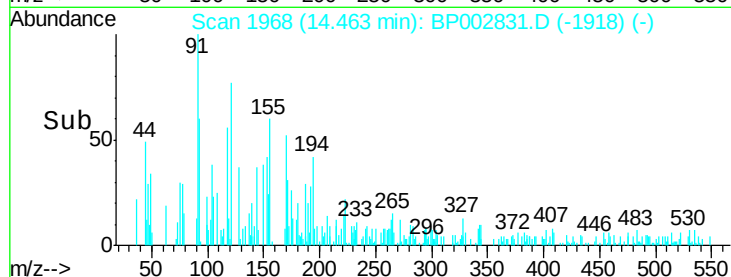
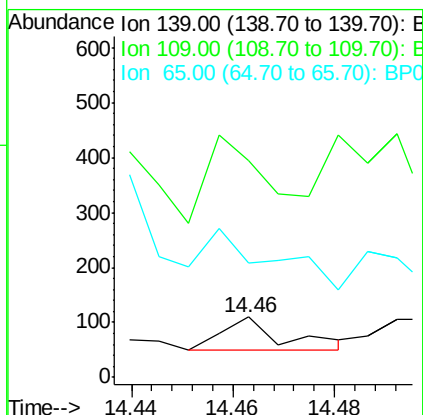
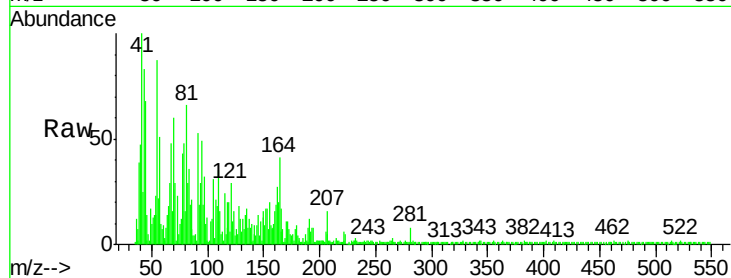




#56
4-Nitrophenol
Concen: 4.981 ng
RT: 14.46 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

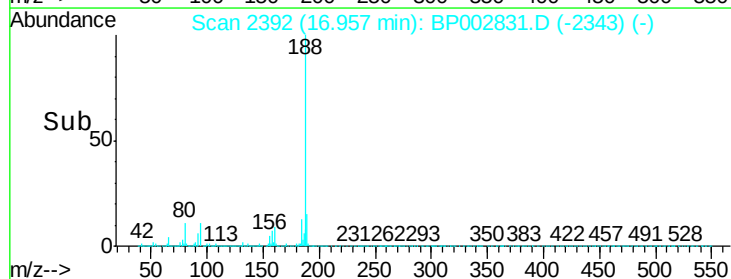
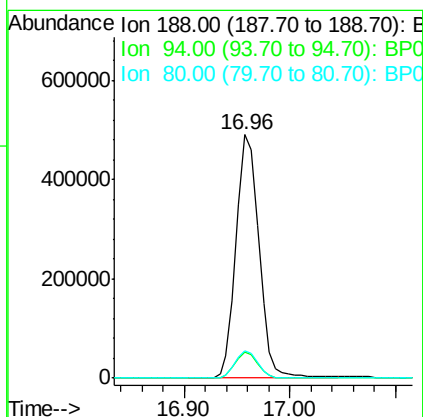
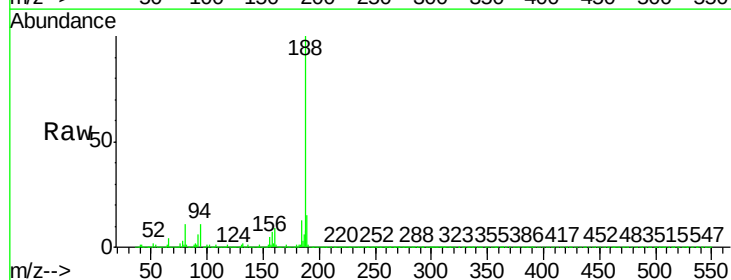
Instrument :
BNA_P
ClientSampled :

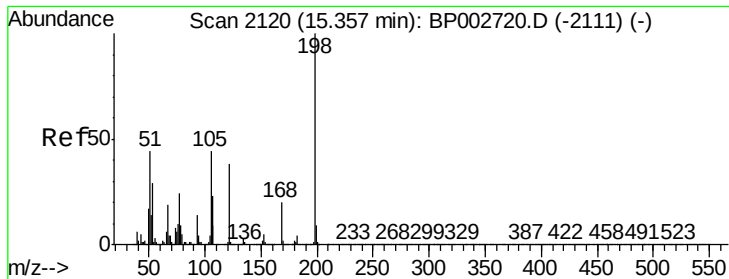
Tot Ion:139 Resp: 53
Ion Ratio Lower Upper
139 100
109 359.1 48.1 88.1#
65 189.1 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

Tgt Ion:188 Resp: 737371
Ion Ratio Lower Upper
188 100
94 10.7 8.1 12.1
80 11.3 8.9 13.3

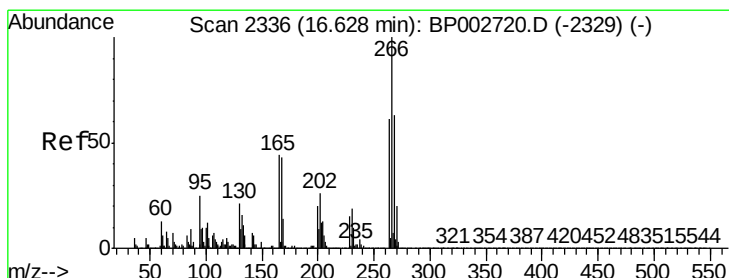
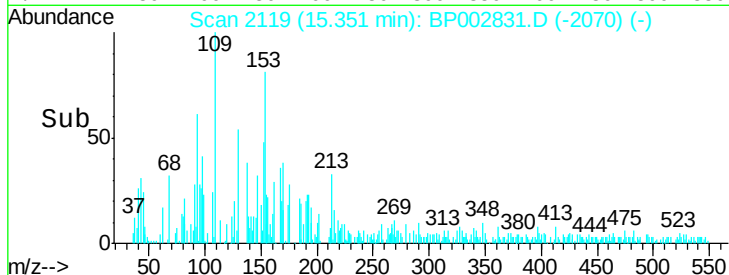
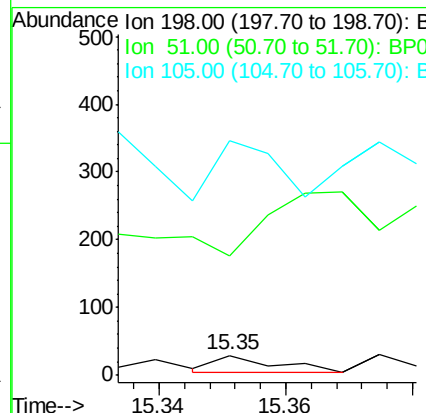
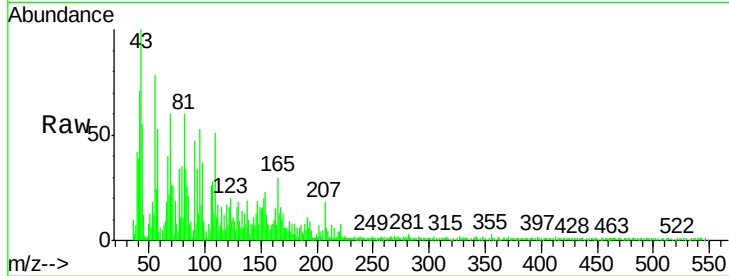




#65
4,6-Dinitro-2-methylphenol
Concen: 5.270 ng
RT: 15.35 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

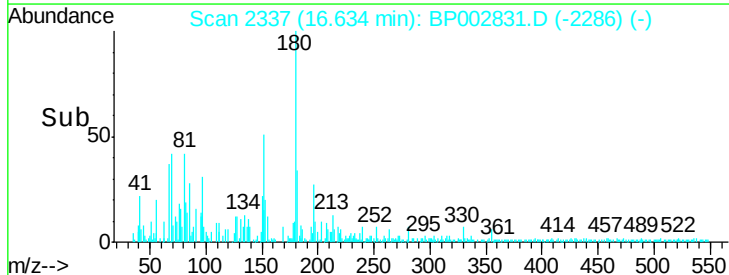
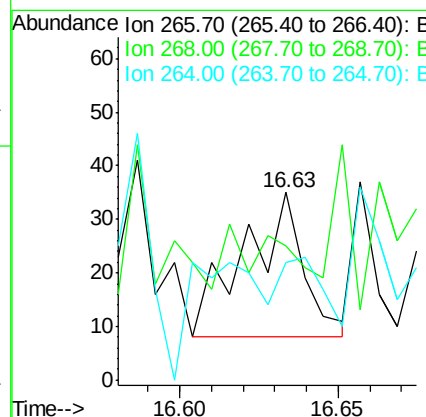
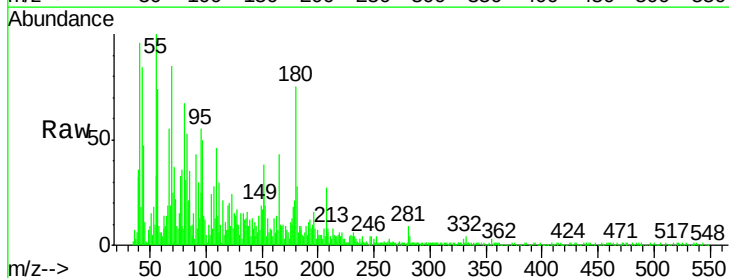
Instrument :
BNA_P
ClientSampleId :

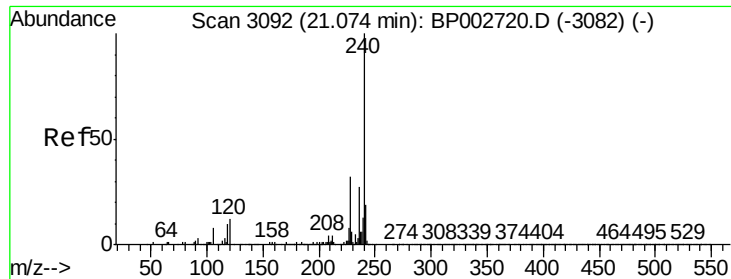
Tot Ion:198 Resp: 16
Ion Ratio Lower Upper
198 100
51 606.9 27.1 67.1#
105 1196.6 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.449 ng
RT: 16.63 min Scan# 2337
Delta R.T. 0.00 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

Tgt Ion:266 Resp: 35
Ion Ratio Lower Upper
266 100
268 71.4 50.6 75.8
264 62.9 48.6 72.8

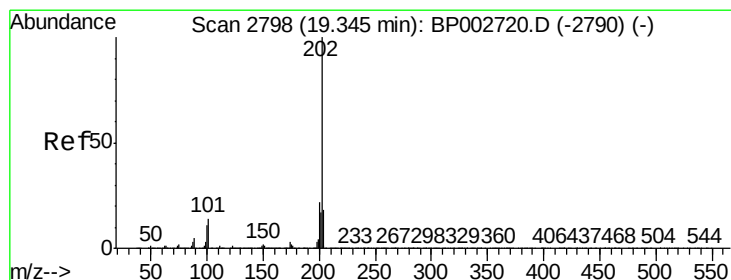
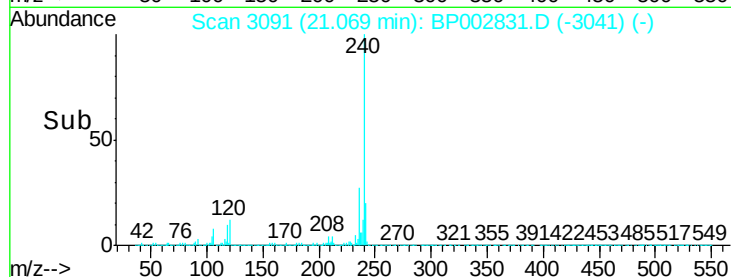
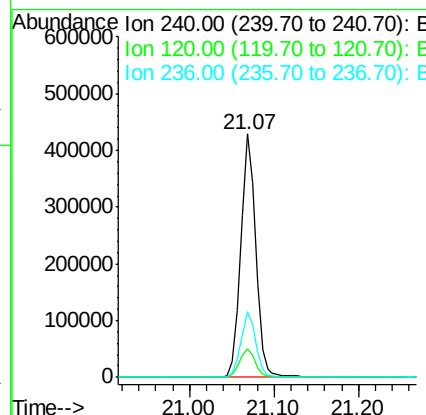
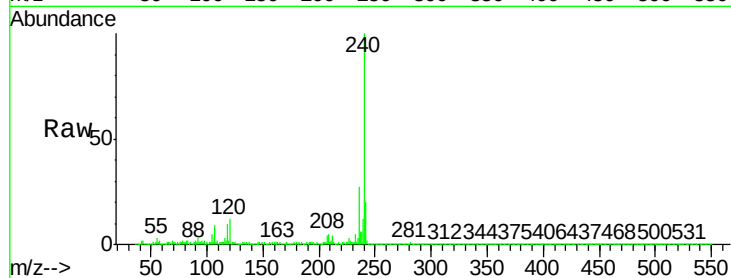




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

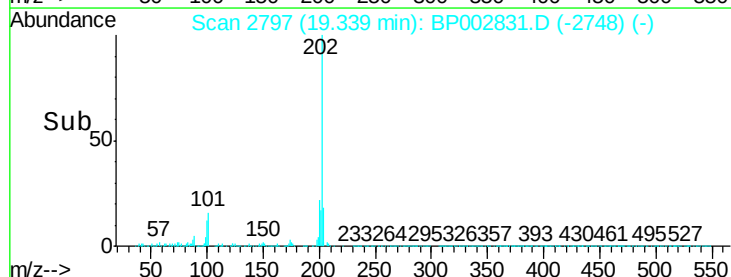
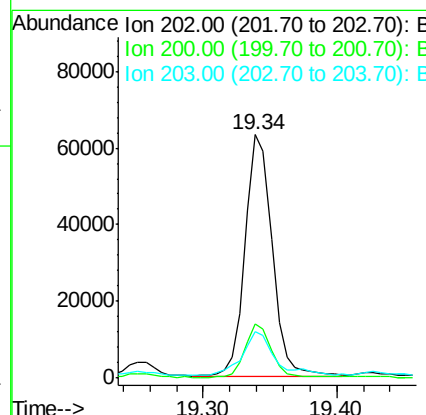
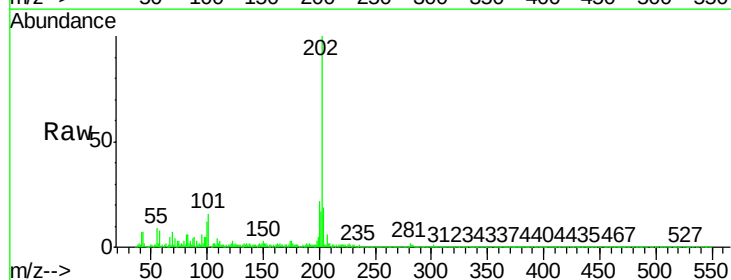
Instrument :
BNA_P
ClientSampleId :

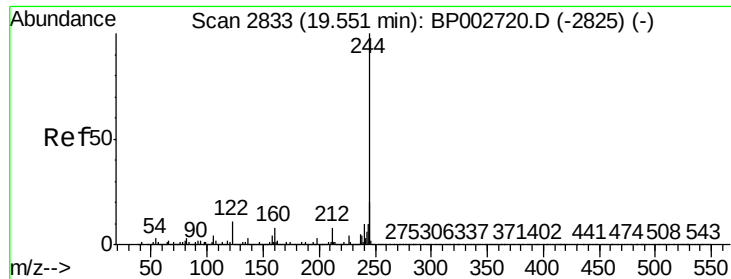
Tot Ion:240 Resp: 516183
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 26.9 21.3 31.9



#78
Pyrene
Concen: 2.462 ng
RT: 19.34 min Scan# 2797
Delta R.T. -0.01 min
Lab File: BP002831.D
Acq: 22 Jul 2020 18:40

Tgt Ion:202 Resp: 87734
Ion Ratio Lower Upper
202 100
200 22.3 17.7 26.5
203 19.2 14.5 21.7





#79

Terphenyl-d14

Concen: 47.080 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002831.D

Acq: 22 Jul 2020 18:40

Instrument :

BNA_P

ClientSampleId :

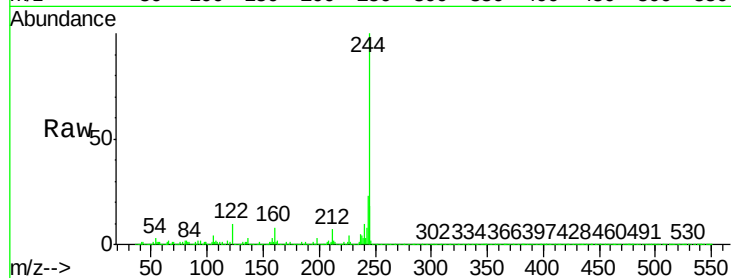
Tot Ion:244 Resp: 1059952

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

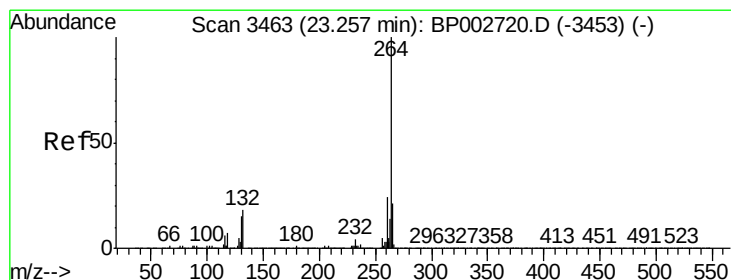
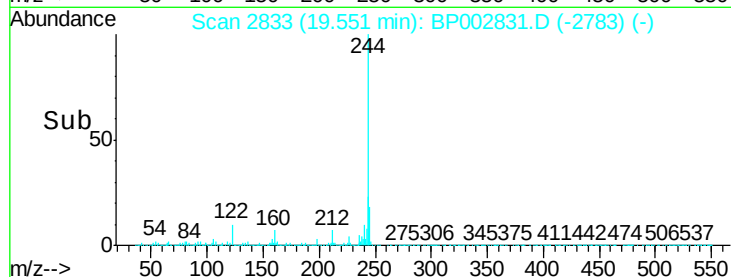
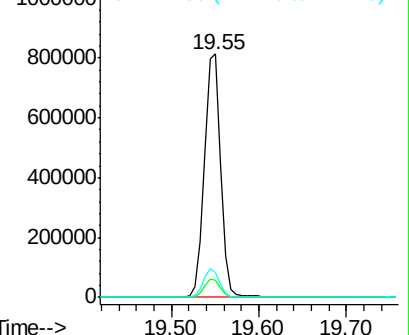
122 10.2 8.9 13.3



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: BP002831.D

Acq: 22 Jul 2020 18:40

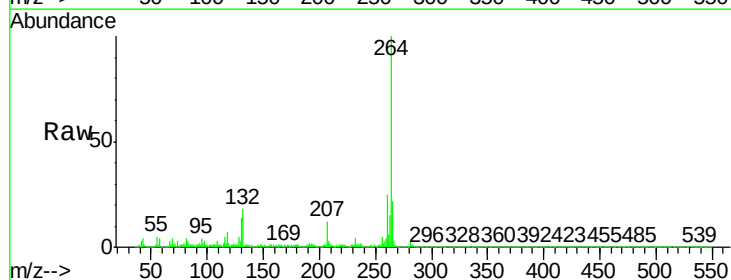
Tgt Ion:264 Resp: 514231

Ion Ratio Lower Upper

264 100

260 24.9 19.3 28.9

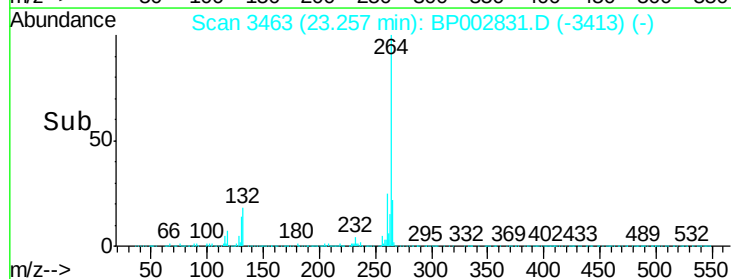
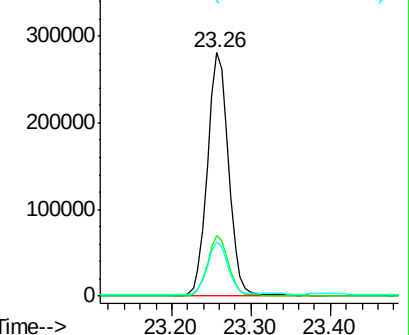
265 22.4 16.8 25.2

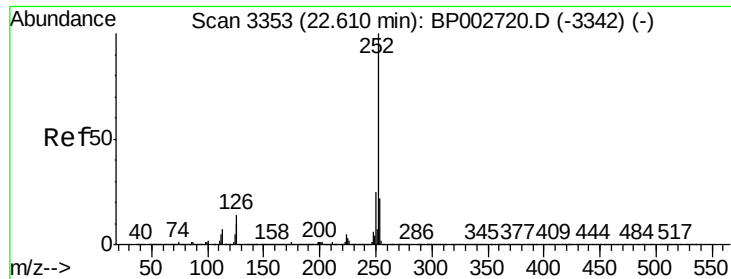


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.437 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BP002831.D

Acq: 22 Jul 2020 18:40

Instrument :

BNA_P

ClientSampleId :

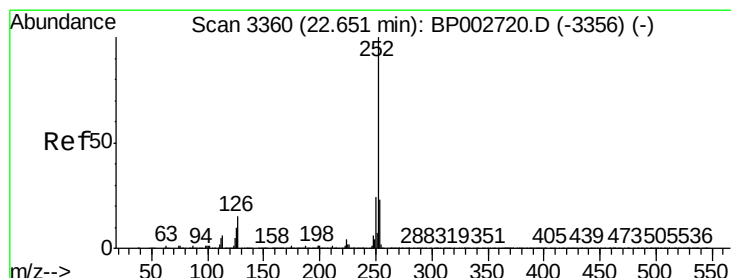
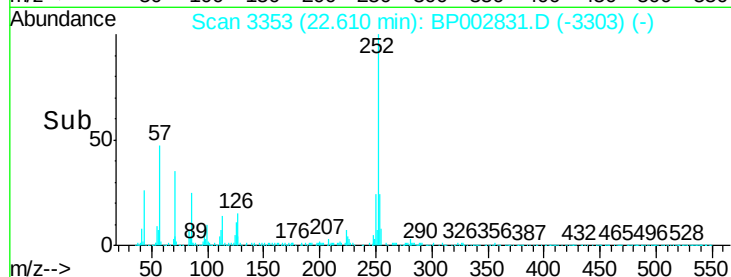
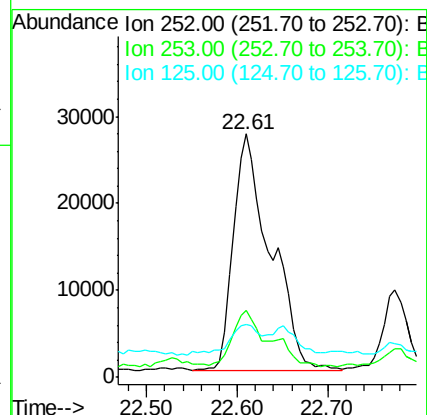
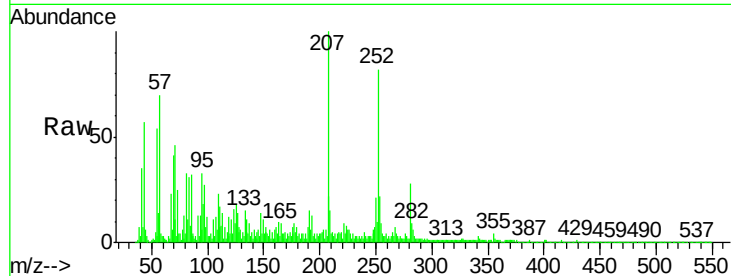
Tot Ion:252 Resp: 77802

Ion Ratio Lower Upper

252 100

253 27.5 17.7 26.5#

125 21.6 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 2.474 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.05 min

Lab File: BP002831.D

Acq: 22 Jul 2020 18:40

Tgt Ion:252 Resp: 77802

Ion Ratio Lower Upper

252 100

253 27.5 17.8 26.8#

125 21.6 8.3 12.5#

