

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072320\
 Data File : BP002838.D
 Acq On : 23 Jul 2020 13:48
 Operator : CG/JU
 Sample : PB130378BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB130378BL

Quant Time: Jul 23 15:19:12 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

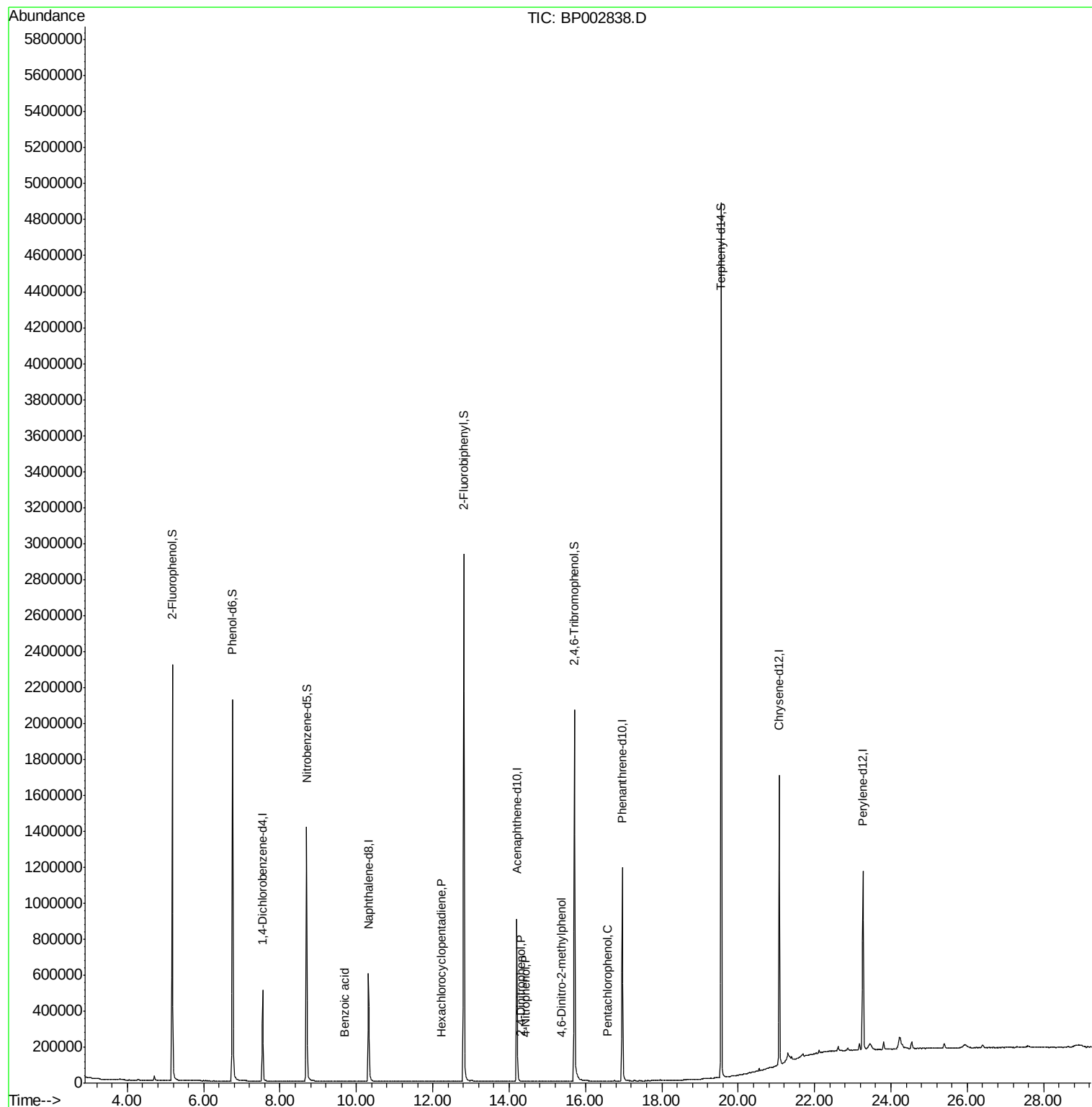
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	135621	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	534743	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	334186	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	742259	20.00	ng	0.00
76) Chrysene-d12	21.07	240	766354	20.00	ng	0.00
86) Perylene-d12	23.26	264	718544	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	1034713	128.72	ng	0.00
7) Phenol-d6	6.75	99	1333703	116.26	ng	0.00
23) Nitrobenzene-d5	8.69	82	871991	87.21	ng	-0.01
42) 2,4,6-Tribromophenol	15.71	330	441857	126.67	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1692559	78.35	ng	0.00
79) Terphenyl-d14	19.55	244	2220219	66.42	ng	0.00
Target Compounds						
32) Benzoic acid	9.70	122	41	7.068	ng	# 1
41) Hexachlorocyclopentadiene	12.23	237	9	7.436	ng	# 75
54) 2,4-Dinitrophenol	14.30	184	15	11.378	ng	# 68
56) 4-Nitrophenol	14.44	139	33	4.978	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.35	198	15	5.269	ng	# 1
70) Pentachlorophenol	16.57	266	40	7.450	ng	94

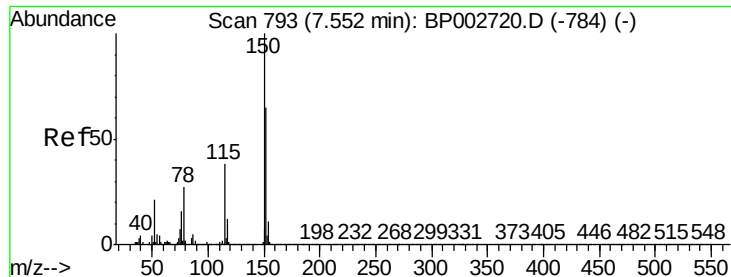
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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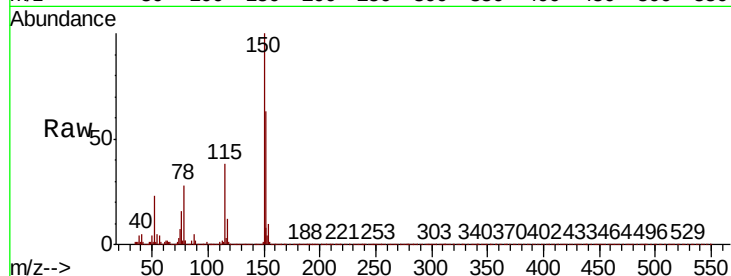


#1

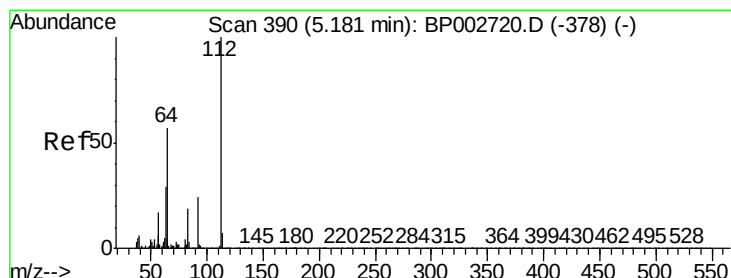
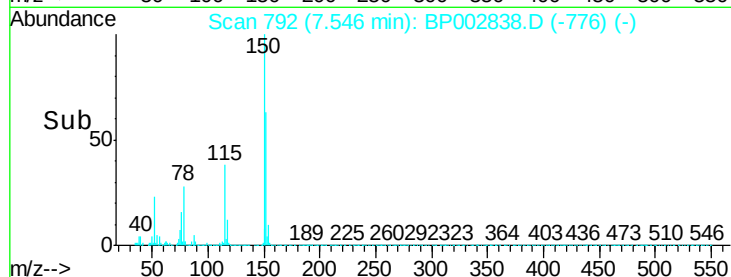
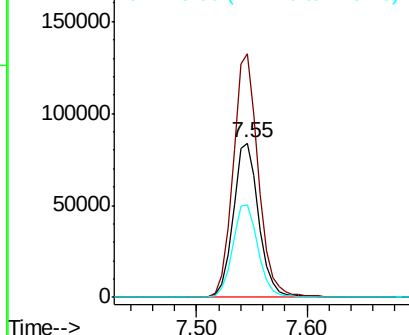
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002838.D
Acq: 23 Jul 2020 13:48

Instrument :
BNA_P
ClientSampleId :
PB130378BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	123.7	185.5
115	60.0	47.2	70.8



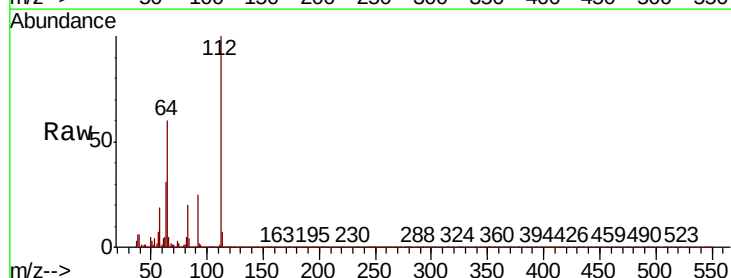
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



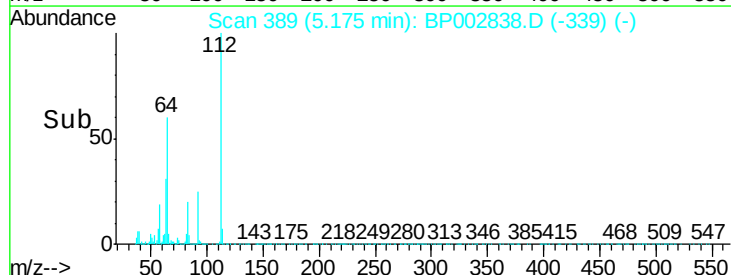
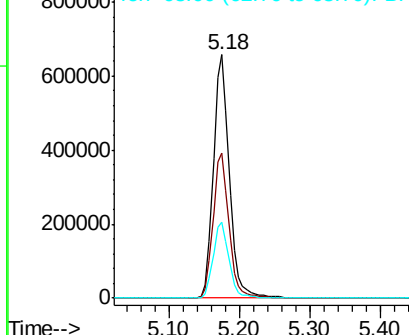
#5

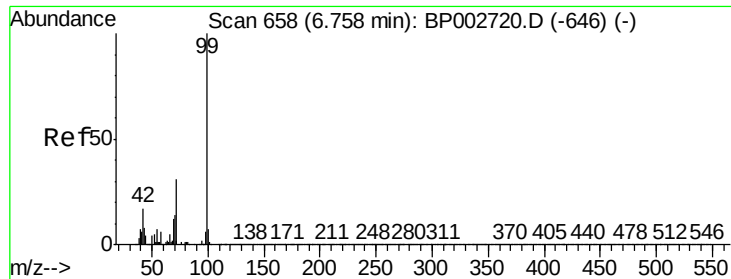
2-Fluorophenol
Concen: 128.723 ng
RT: 5.18 min Scan# 389
Delta R.T. -0.01 min
Lab File: BP002838.D
Acq: 23 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	45.6	68.4
63	31.1	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: 116.257 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002838.D

Acq: 23 Jul 2020 13:48

Instrument :

BNA_P

ClientSampleId :

PB130378BL

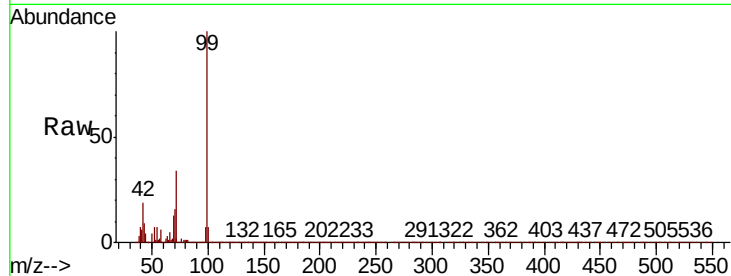
Tot Ion: 99 Resp: 1333703

Ion Ratio Lower Upper

99 100

42 18.6 13.4 20.2

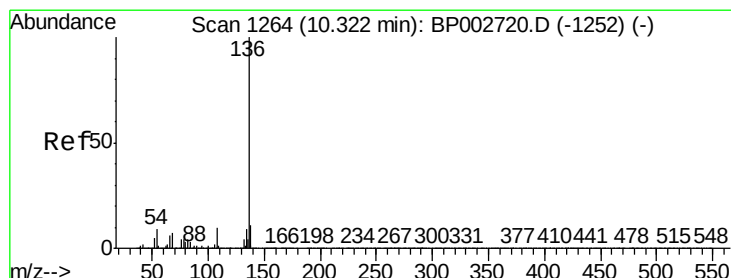
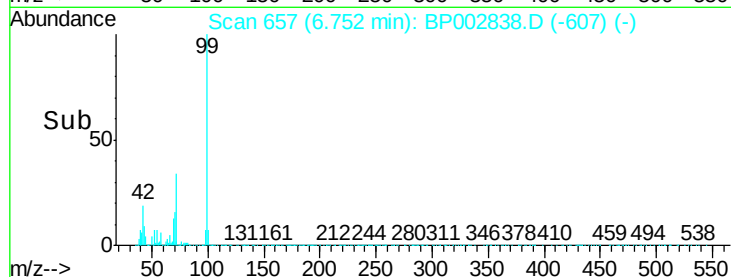
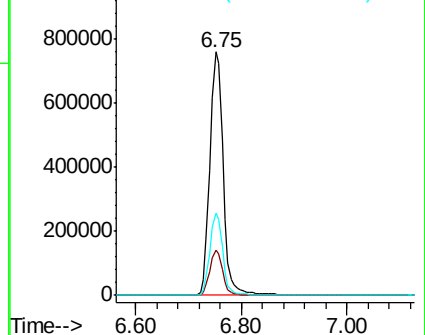
71 33.7 24.6 36.8



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: BP002838.D

Acq: 23 Jul 2020 13:48

Tgt Ion: 136 Resp: 534743

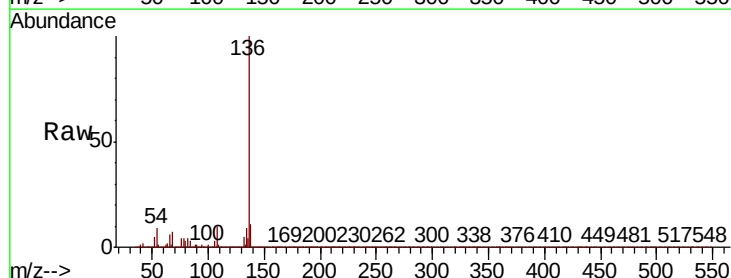
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 8.9 6.9 10.3

68 7.2 5.7 8.5

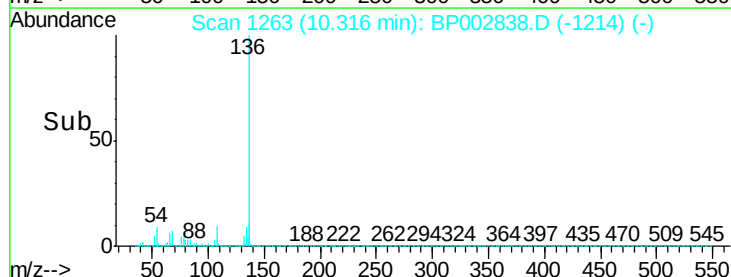
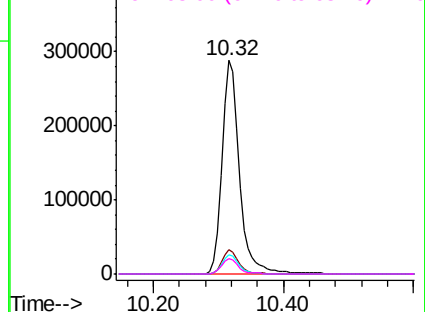


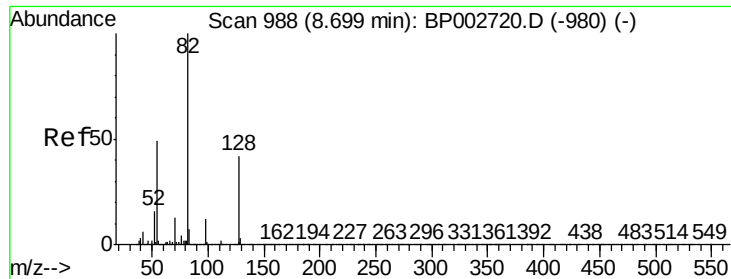
Abundance Ion 136.00 (135.70 to 136.70): E

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

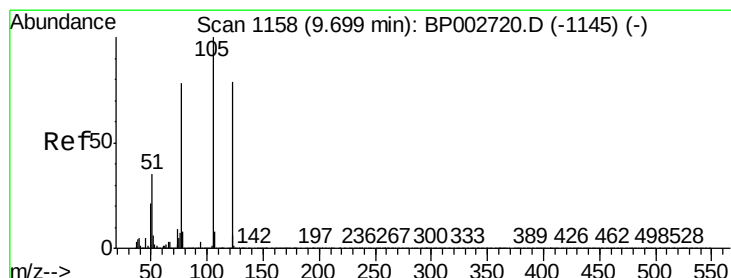
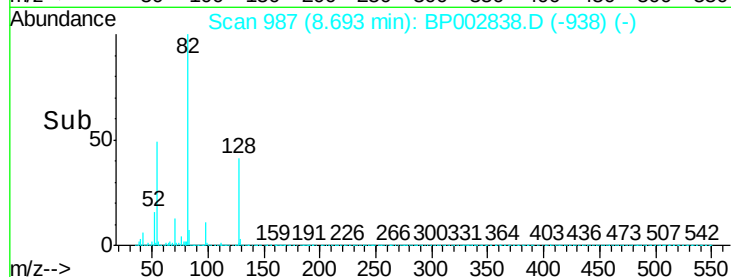
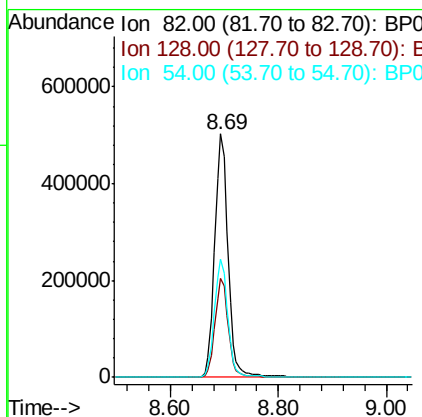
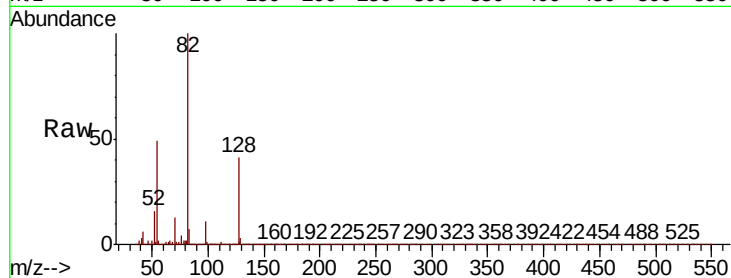




#23
Nitrobenzene-d5
Concen: 87.214 ng
RT: 8.69 min Scan# 987
Delta R.T. -0.01 min
Lab File: BP002838.D
Acq: 23 Jul 2020 13:48

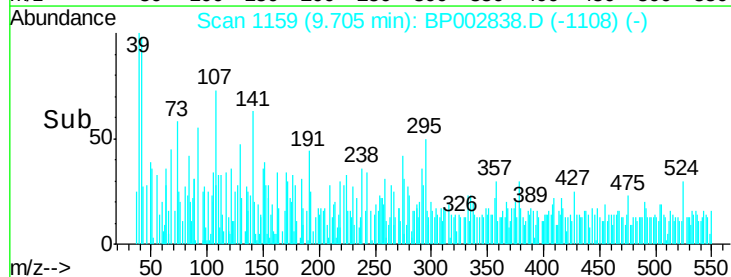
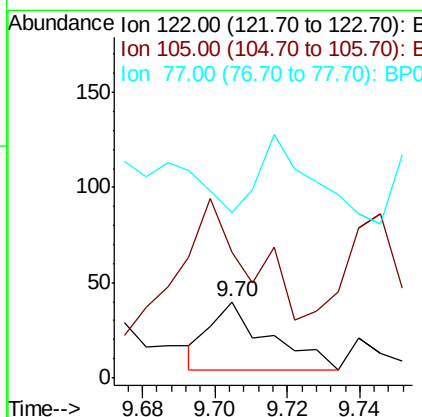
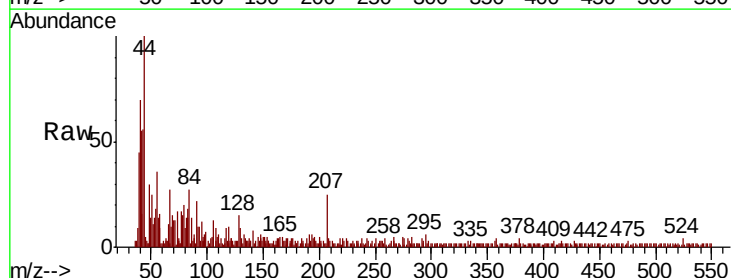
Instrument :
BNA_P
ClientSampleId :
PB130378BL

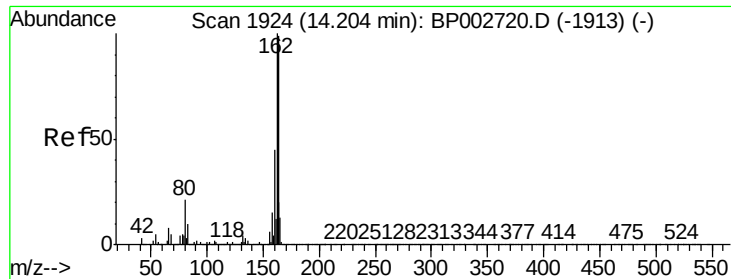
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	33.8	50.8
54	48.5	38.8	58.2



#32
Benzoic acid
Concen: 7.068 ng
RT: 9.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BP002838.D
Acq: 23 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	220.0	105.4	145.4#
77	217.5	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: BP002838.D

Acq: 23 Jul 2020 13:48

Instrument :

BNA_P

ClientSampled :

PB130378BL

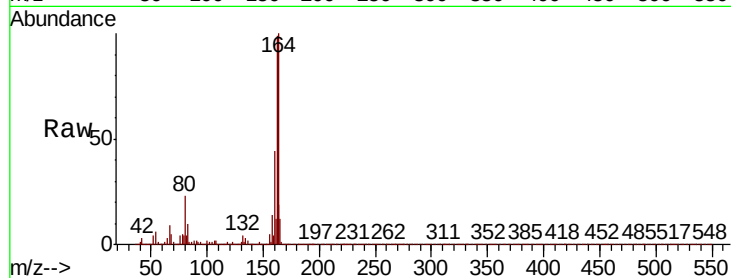
Tot Ion:164 Resp: 334186

Ion Ratio Lower Upper

164 100

162 99.3 80.6 121.0

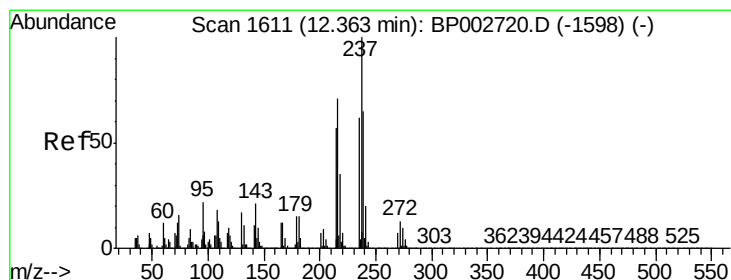
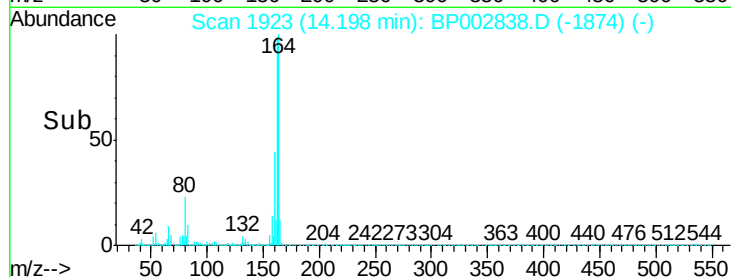
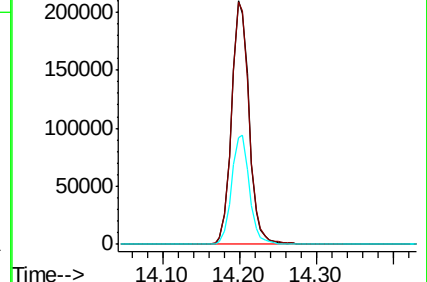
160 44.0 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 7.436 ng

RT: 12.23 min Scan# 1588

Delta R.T. -0.13 min

Lab File: BP002838.D

Acq: 23 Jul 2020 13:48

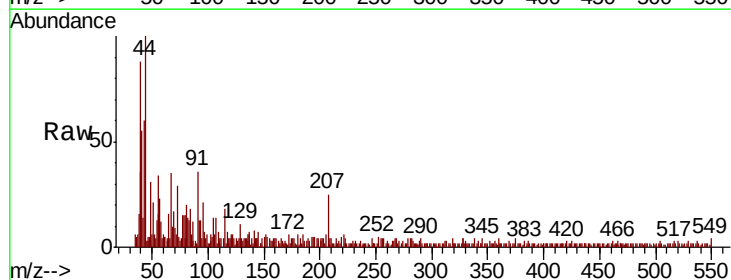
Tgt Ion:237 Resp: 9

Ion Ratio Lower Upper

237 100

235 43.8 42.3 82.3

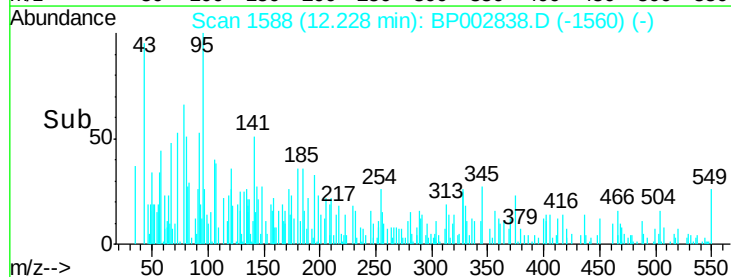
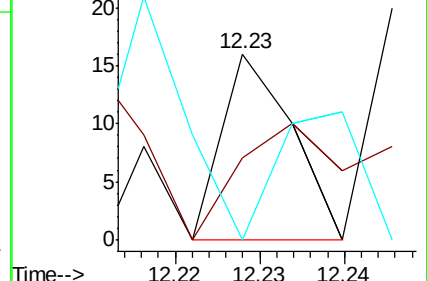
272 0.0 0.0 32.5

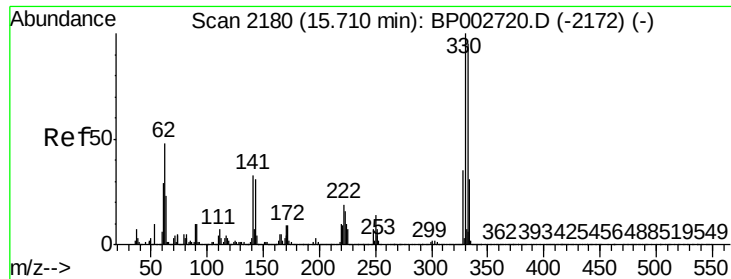


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

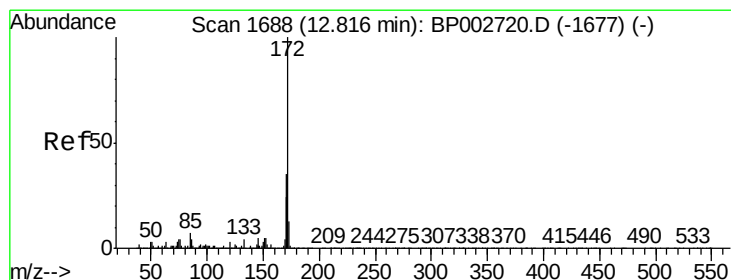
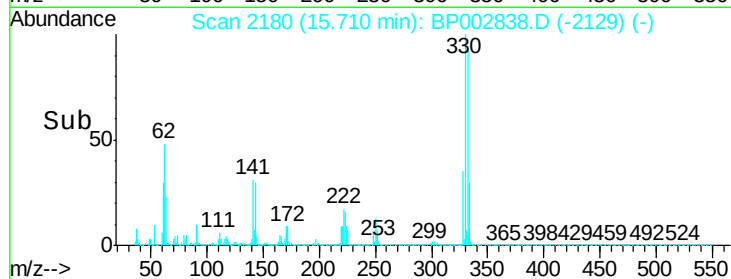
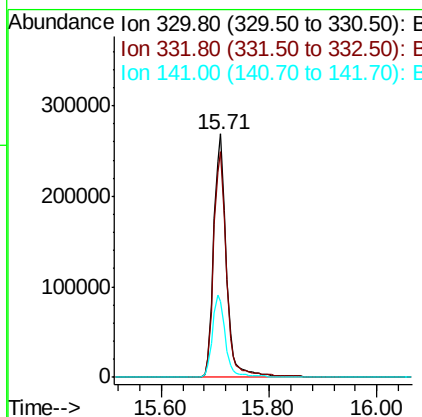
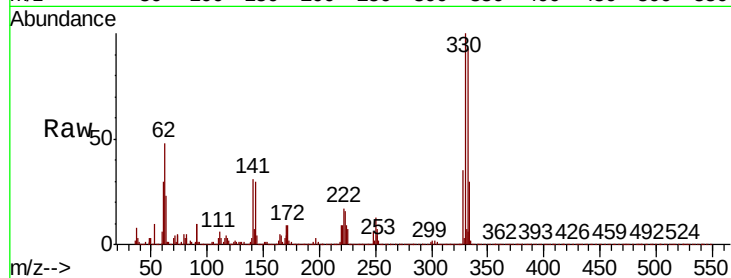




#42
 2,4,6-Tribromophenol
 Concen: 126.666 ng
 RT: 15.71 min Scan# 2180
 Delta R.T. 0.00 min
 Lab File: BP002838.D
 Acq: 23 Jul 2020 13:48

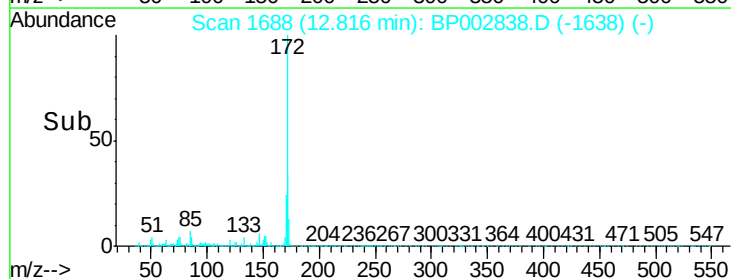
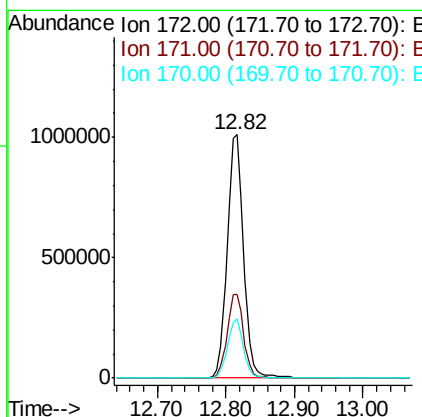
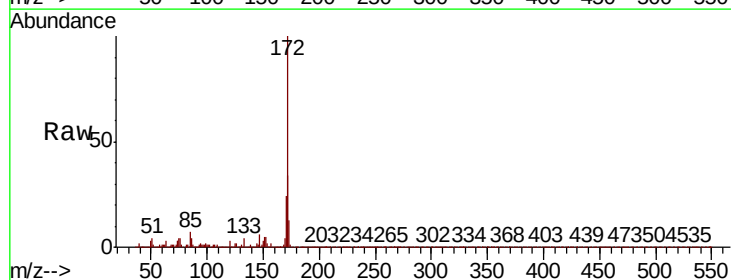
Instrument :
 BNA_P
 ClientSampleId :
 PB130378BL

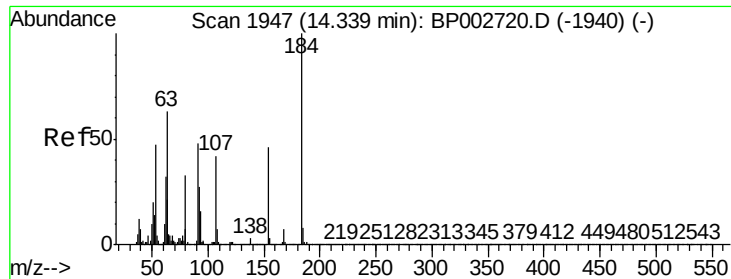
Tot Ion:330 Resp: 441857
 Ion Ratio Lower Upper
 330 100
 332 94.6 76.5 114.7
 141 35.1 28.8 43.2



#45
 2-Fluorobiphenyl
 Concen: 78.350 ng
 RT: 12.82 min Scan# 1688
 Delta R.T. -0.01 min
 Lab File: BP002838.D
 Acq: 23 Jul 2020 13:48

Tgt Ion:172 Resp: 1692559
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.1 42.1
 170 24.5 19.3 28.9

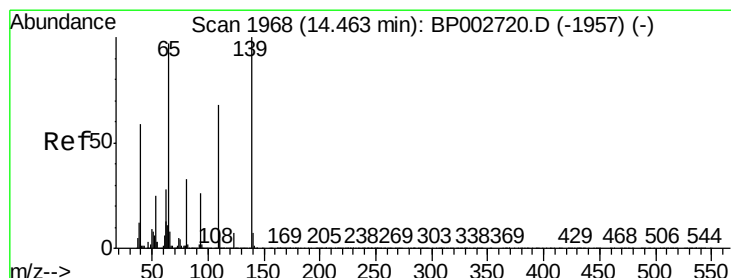
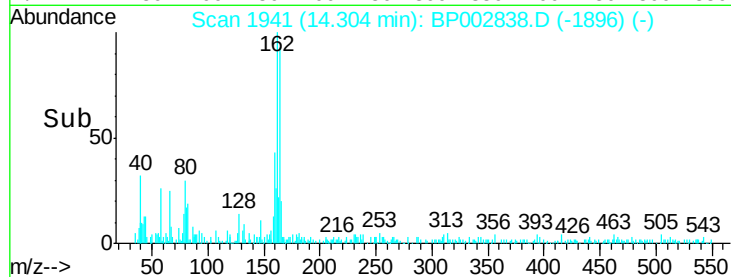
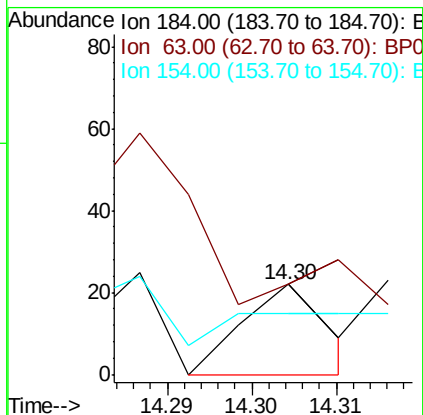
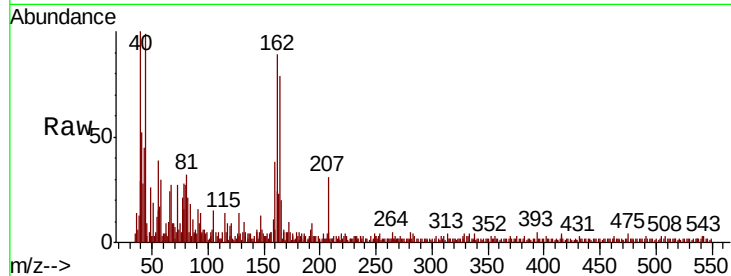




#54
 2,4-Dinitrophenol
 Concen: 11.378 ng
 RT: 14.30 min Scan# 1941
 Delta R.T. -0.04 min
 Lab File: BP002838.D
 Acq: 23 Jul 2020 13:48

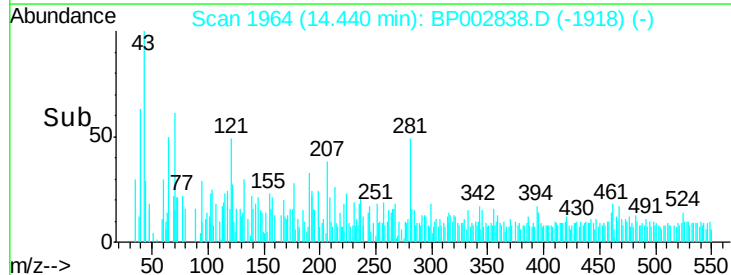
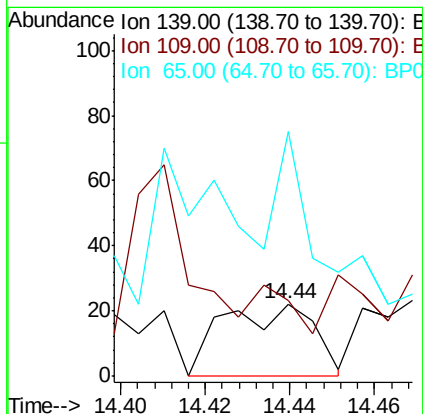
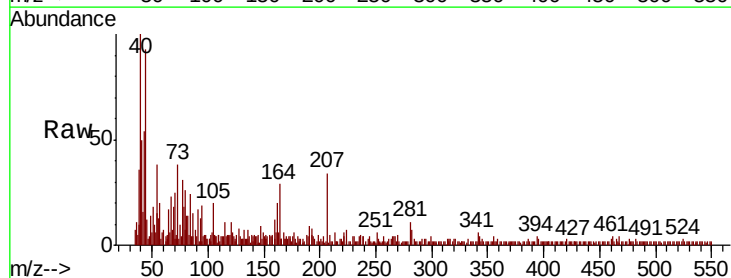
Instrument :
 BNA_P
 ClientSampled :
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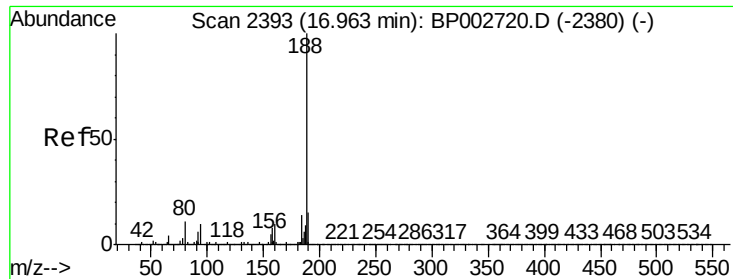
Tot Ion:184 Resp: 15
 Ion Ratio Lower Upper
 184 100
 63 100.0 51.6 77.4#
 154 68.2 45.0 67.6#



#56
 4-Nitrophenol
 Concen: 4.978 ng
 RT: 14.44 min Scan# 1964
 Delta R.T. -0.03 min
 Lab File: BP002838.D
 Acq: 23 Jul 2020 13:48

Tgt Ion:139 Resp: 33
 Ion Ratio Lower Upper
 139 100
 109 104.5 48.1 88.1#
 65 340.9 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: BP002838.D

Acq: 23 Jul 2020 13:48

Instrument :

BNA_P

ClientSampleId :

PB130378BL

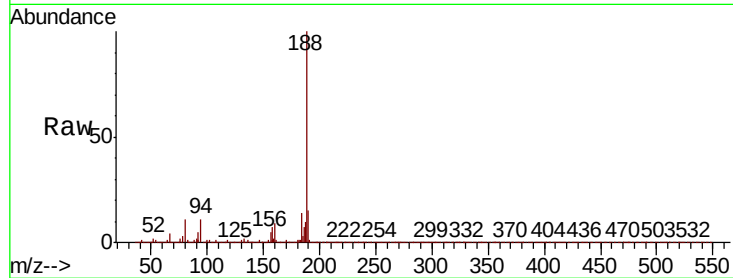
Tot Ion:188 Resp: 742259

Ion Ratio Lower Upper

188 100

94 10.6 8.1 12.1

80 11.4 8.9 13.3



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

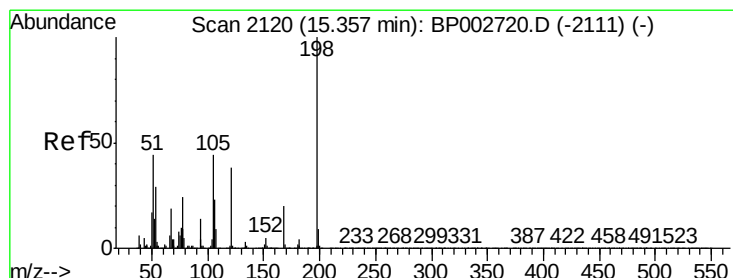
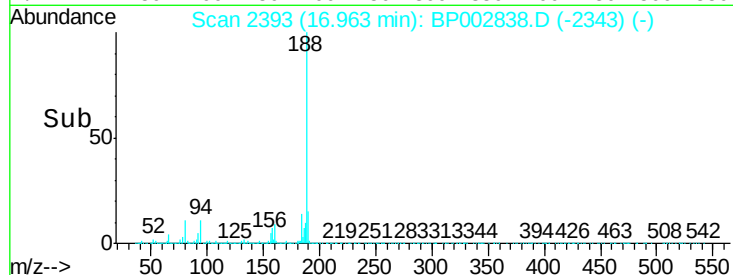
16.96

400000

200000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 5.269 ng

RT: 15.35 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BP002838.D

Acq: 23 Jul 2020 13:48

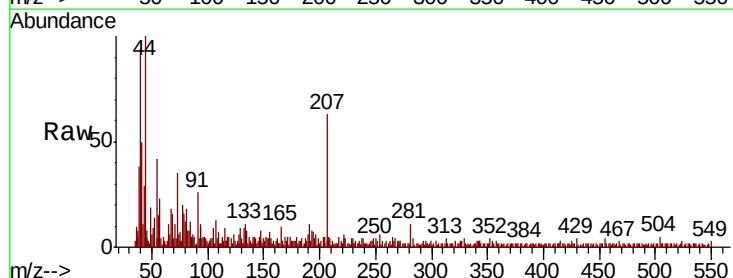
Tgt Ion:198 Resp: 15

Ion Ratio Lower Upper

198 100

51 244.4 27.1 67.1#

105 233.3 24.9 64.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

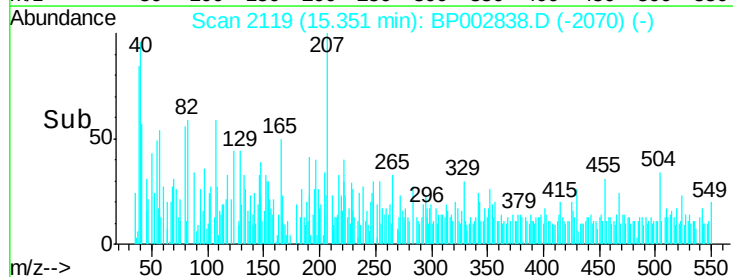
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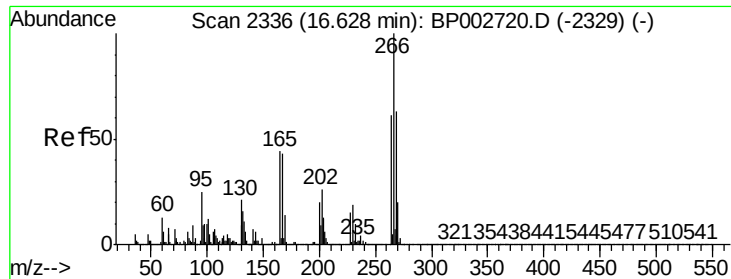
100

50

0

Time-->

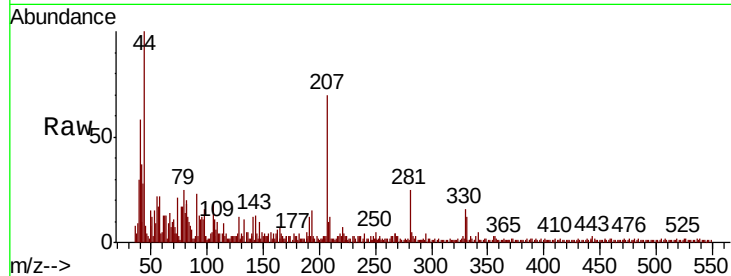




#70
Pentachlorophenol
Concen: 7.450 ng
RT: 16.57 min Scan# 2327
Delta R.T. -0.06 min
Lab File: BP002838.D
Acq: 23 Jul 2020 13:48

Instrument :
BNA_P
ClientSampleId :
PB130378BL

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.6	75.8
264	52.5	48.6	72.8

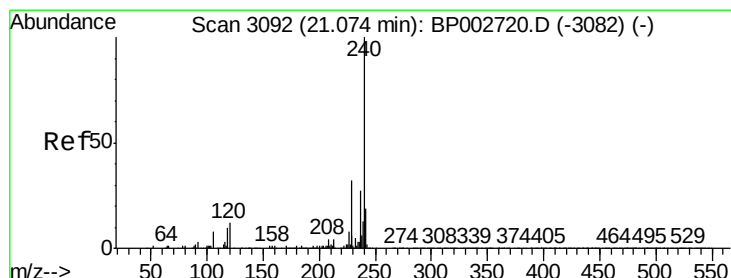
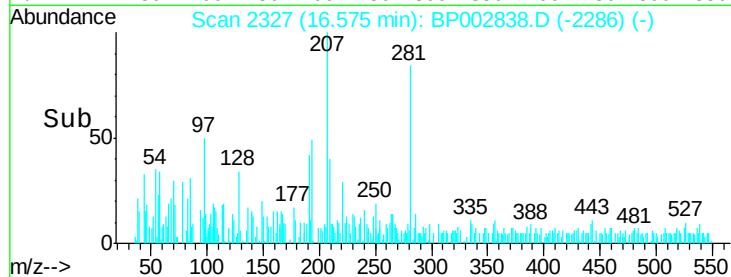
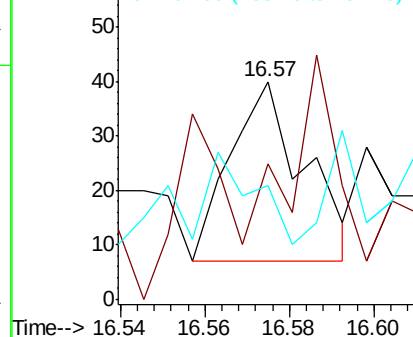


Abundance

Ion 265.70 (265.40 to 266.40): E

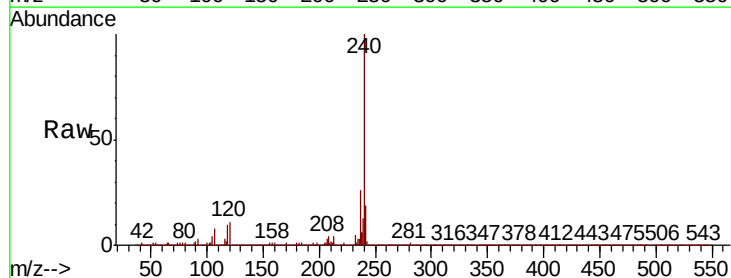
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3092
Delta R.T. 0.00 min
Lab File: BP002838.D
Acq: 23 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.4	14.2
236	26.0	21.3	31.9

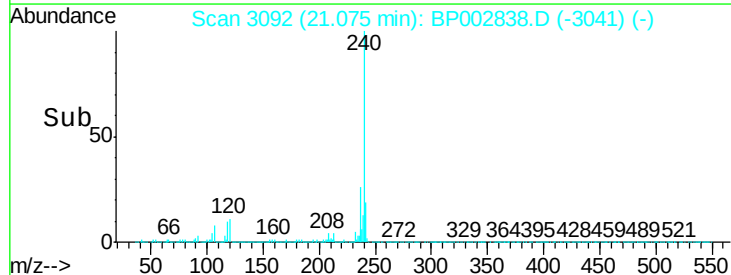
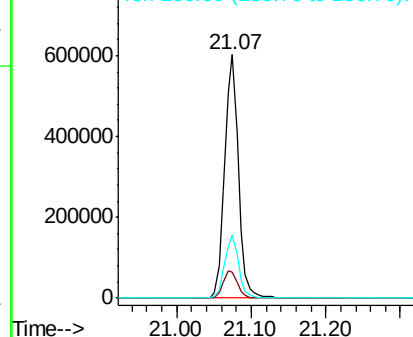


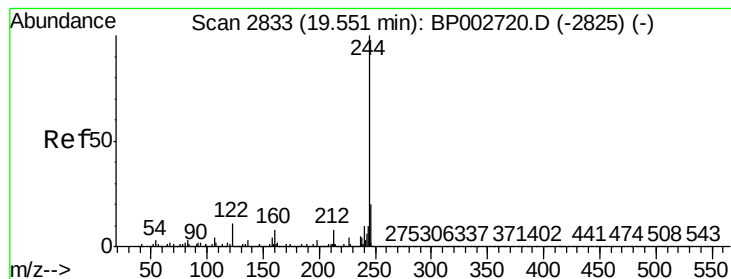
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 66.423 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002838.D

Acq: 23 Jul 2020 13:48

Instrument :

BNA_P

ClientSampleId :

PB130378BL

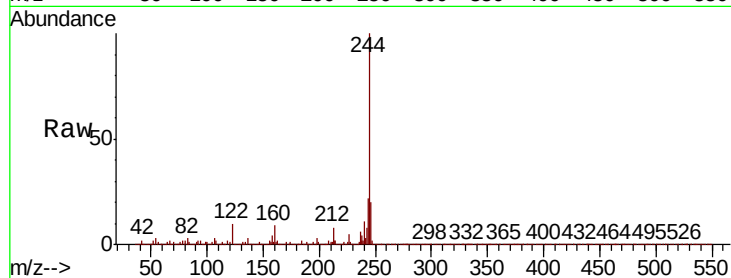
Tot Ion:244 Resp: 2220219

Ion Ratio Lower Upper

244 100

212 8.4 6.0 9.0

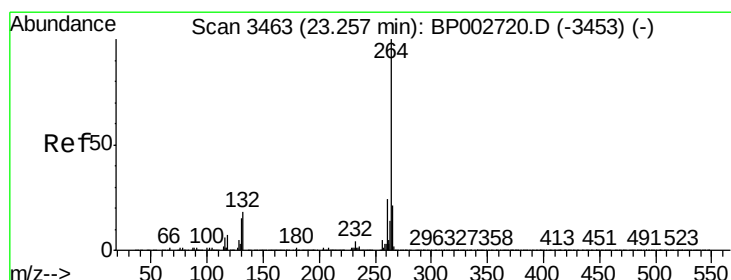
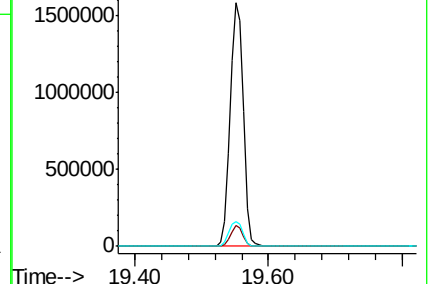
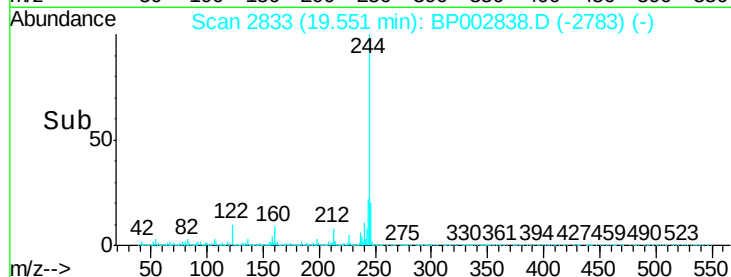
122 10.4 8.9 13.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.26 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BP002838.D

Acq: 23 Jul 2020 13:48

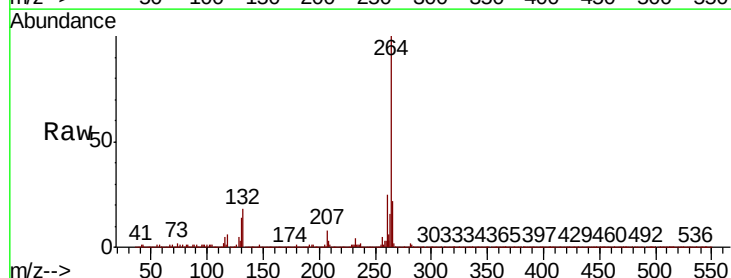
Tgt Ion:264 Resp: 718544

Ion Ratio Lower Upper

264 100

260 25.0 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

