

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070920\
 Data File : BP002701.D
 Acq On : 09 Jul 2020 17:23
 Operator : CG/JU
 Sample : PB130037BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB130037BL

Quant Time: Jul 09 17:53:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	69937	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	323263	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	233224	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	569033	20.00	ng	0.00
76) Chrysene-d12	21.09	240	796724	20.00	ng	0.00
86) Perylene-d12	23.28	264	927530	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	532842	129.00	ng	0.00
7) Phenol-d6	6.77	99	762334	132.23	ng	0.00
23) Nitrobenzene-d5	8.71	82	542396	86.45	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	366376	129.16	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	1350760	85.24	ng	-0.01
79) Terphenyl-d14	19.56	244	2958418	80.15	ng	-0.01

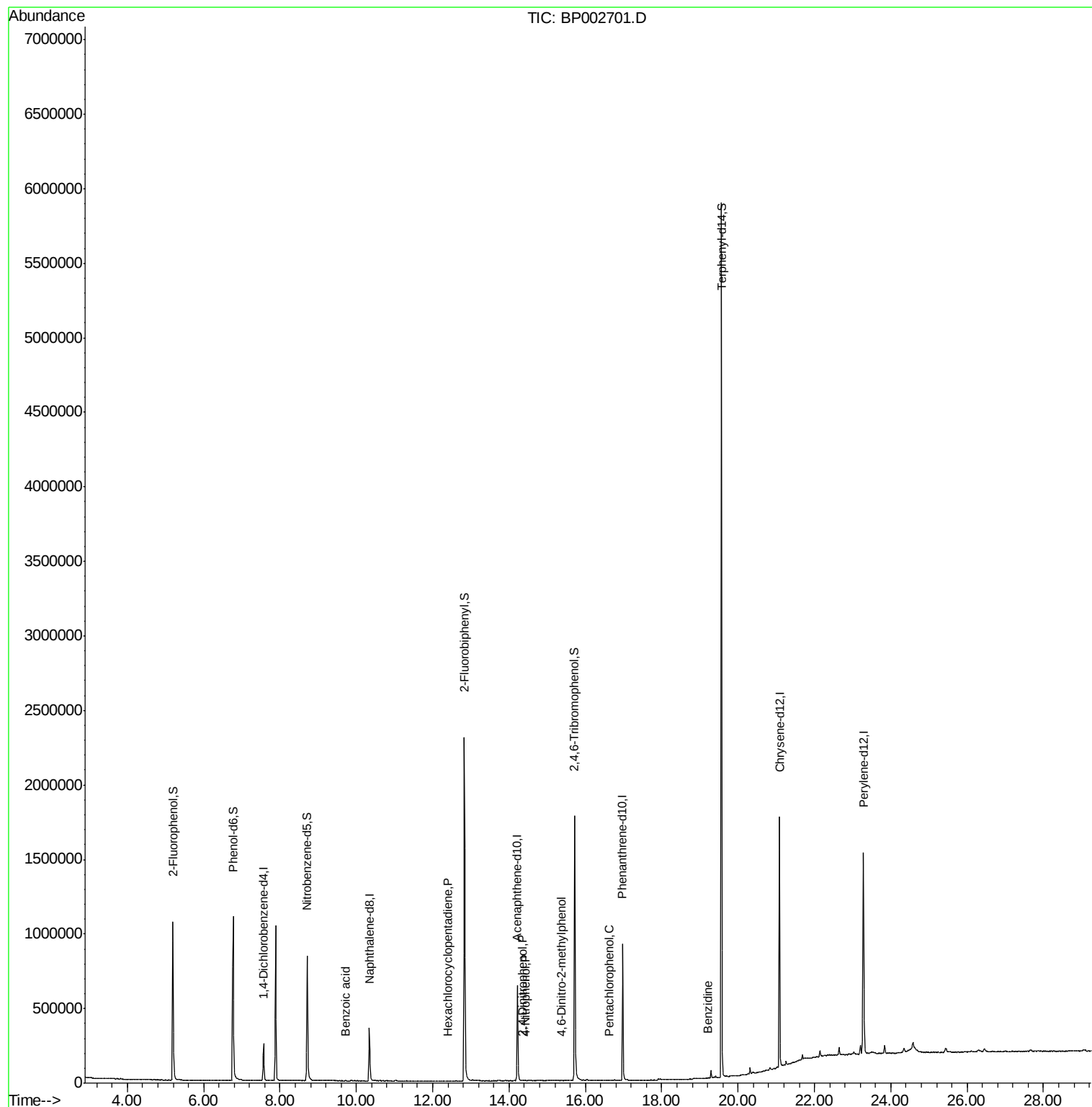
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.70	77	65	Below Cal	#	43
32) Benzoic acid	9.72	122	38	8.708 ng	#	1
41) Hexachlorocyclopentadiene	12.40	237	32	4.390 ng	#	76
54) 2,4-Dinitrophenol	14.35	184	19	6.016 ng	#	27
56) 4-Nitrophenol	14.44	139	30	2.445 ng	#	1
65) 4,6-Dinitro-2-methylphenol	15.38	198	11	2.713 ng	#	1
70) Pentachlorophenol	16.63	266	17	2.666 ng	#	69
77) Benzidine	19.19	184	36	3.757 ng	#	57

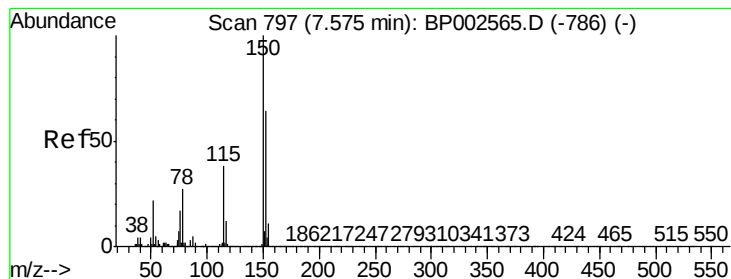
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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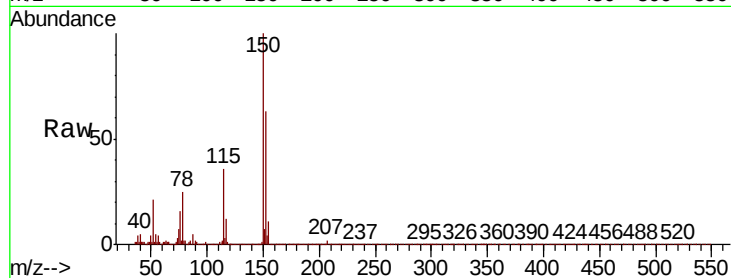


#1

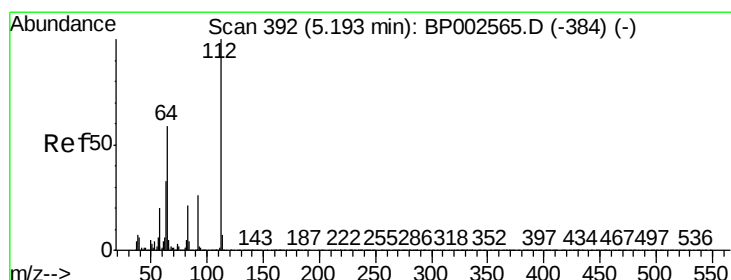
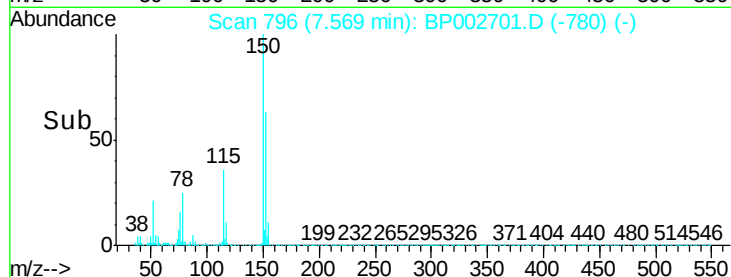
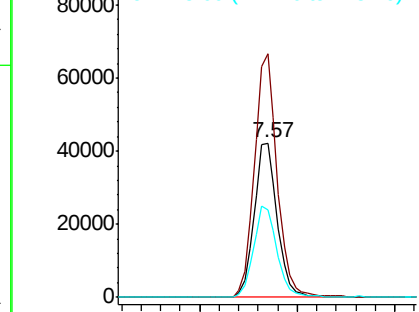
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002701.D
Acq: 09 Jul 2020 17:23

Instrument :
BNA_P
ClientSampleId :
PB130037BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.2	186.2
115	56.7	47.1	70.7



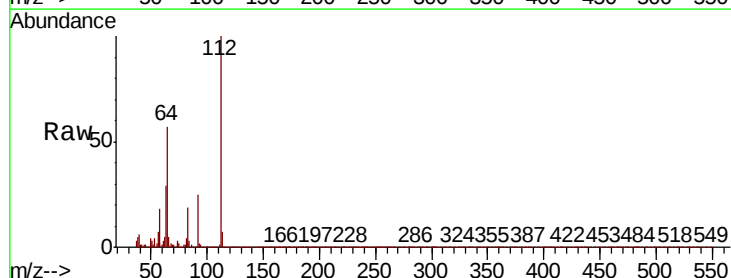
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



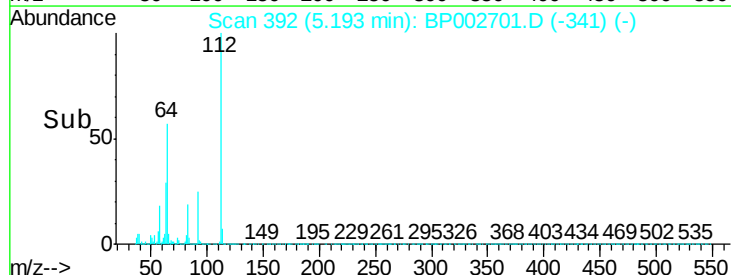
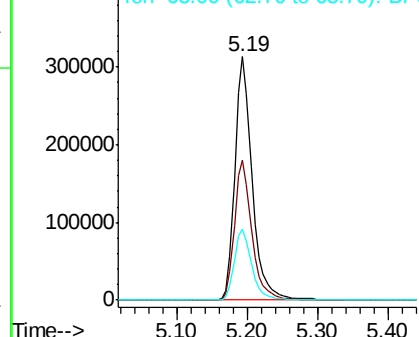
#5

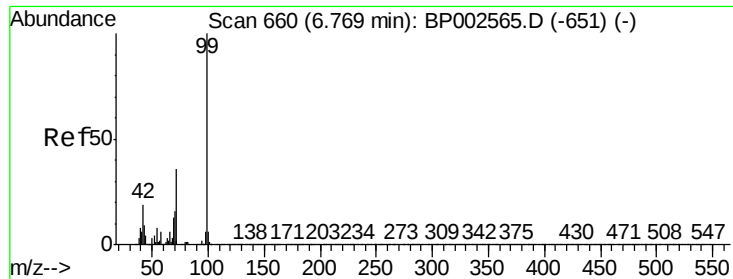
2-Fluorophenol
Concen: 128.996 ng
RT: 5.19 min Scan# 392
Delta R.T. 0.00 min
Lab File: BP002701.D
Acq: 09 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.0	70.6
63	29.2	26.1	39.1



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: 132.227 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.00 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

Instrument :

BNA_P

ClientSampleId :

PB130037BL

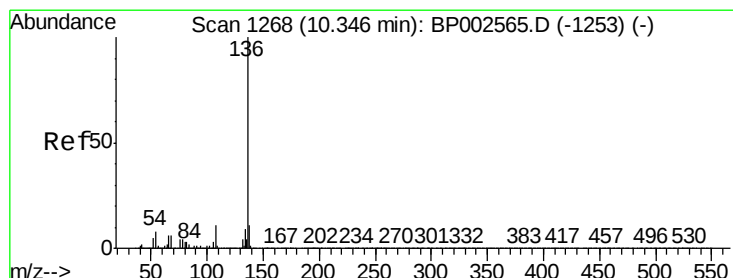
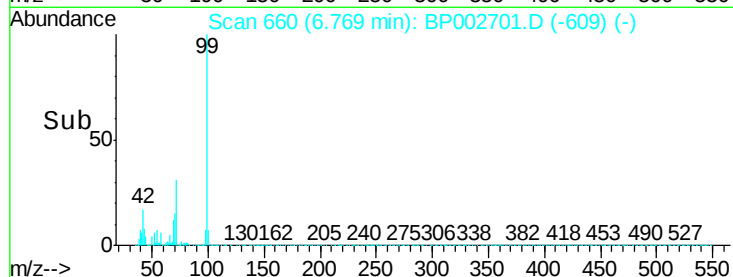
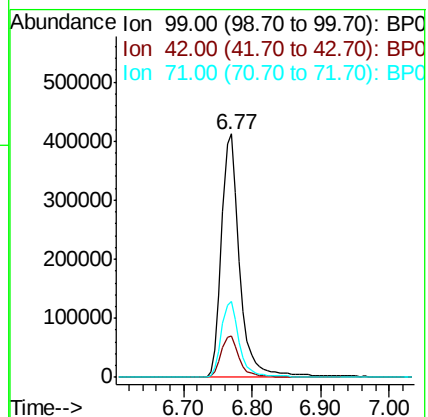
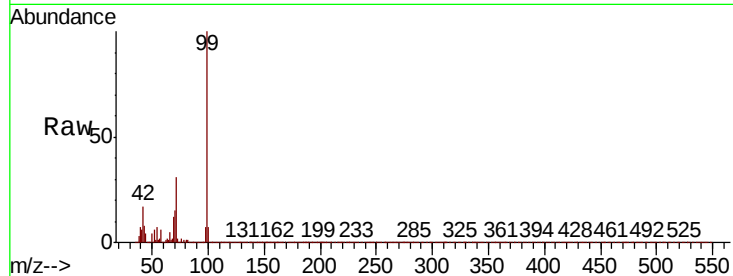
Tot Ion: 99 Resp: 762334

Ion Ratio Lower Upper

99 100

42 16.9 15.5 23.3

71 31.1 28.9 43.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

Tgt Ion: 136 Resp: 323263

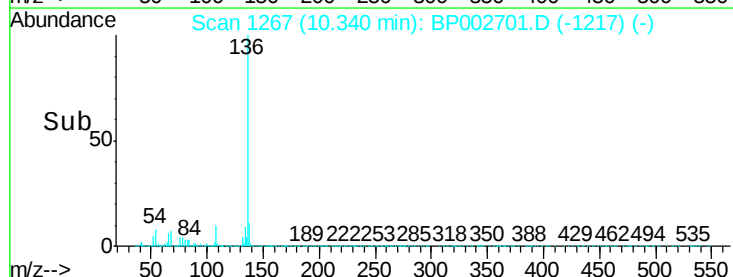
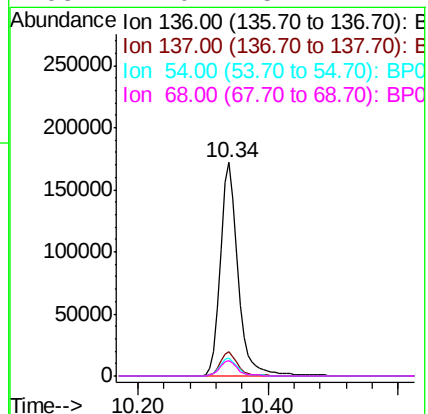
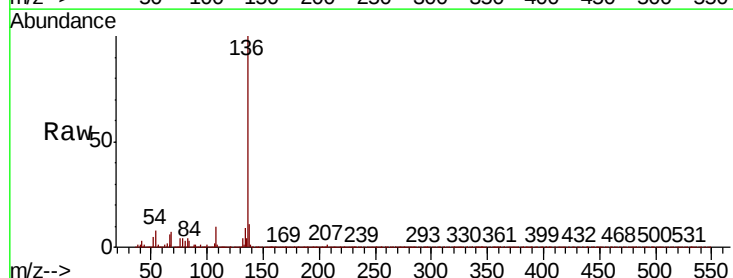
Ion Ratio Lower Upper

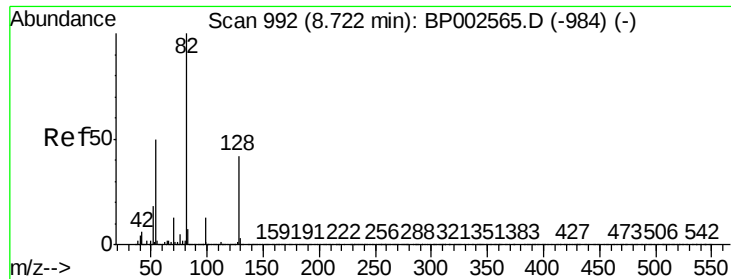
136 100

137 11.2 8.8 13.2

54 8.4 6.4 9.6

68 7.0 5.1 7.7

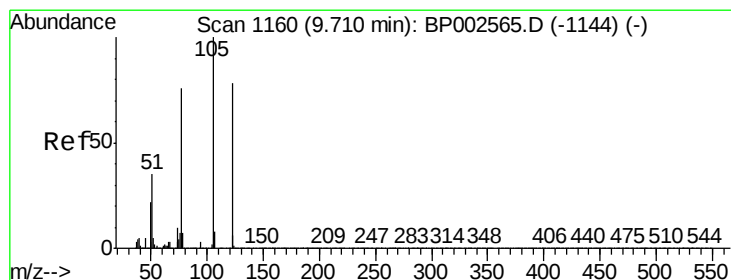
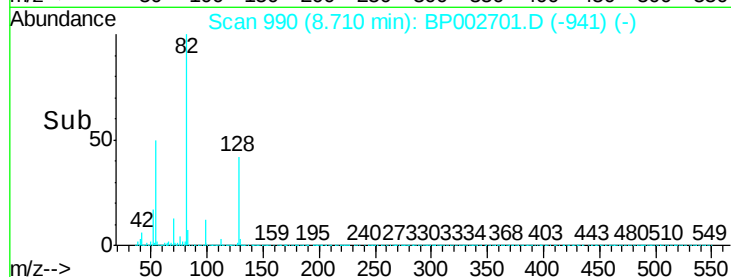
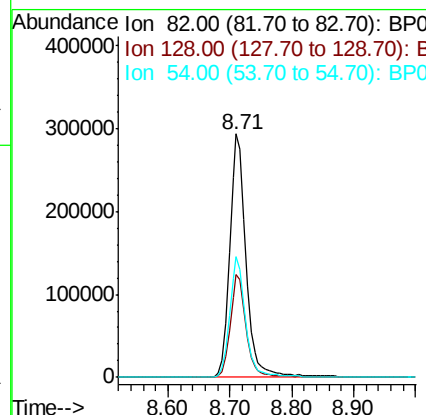
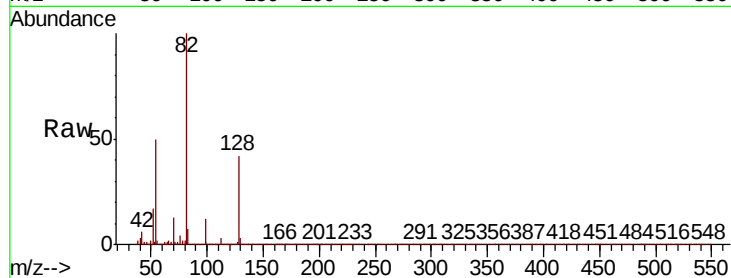




#23
 Nitrobenzene-d5
 Concen: 86.453 ng
 RT: 8.71 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BP002701.D
 Acq: 09 Jul 2020 17:23

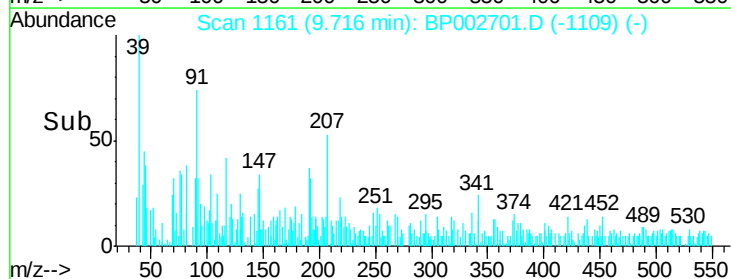
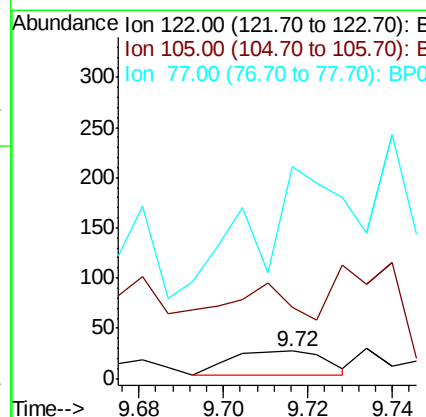
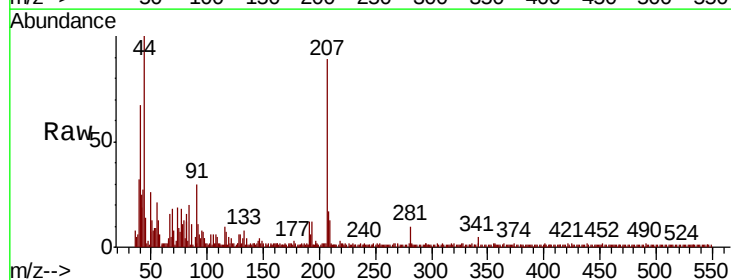
Instrument :
 BNA_P
 ClientSampleId :
 PB130037BL

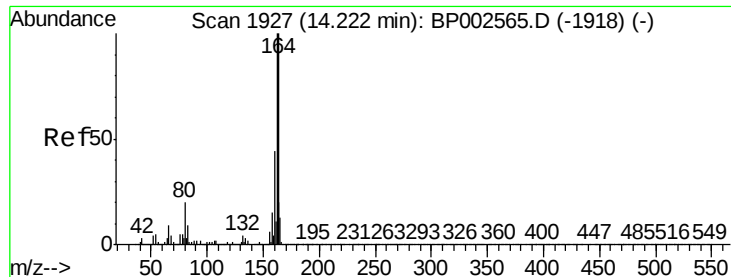
Tot Ion:	82	Resp:	542396
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.4	50.2
54	49.7	40.1	60.1



#32
 Benzoic acid
 Concen: 8.708 ng
 RT: 9.72 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BP002701.D
 Acq: 09 Jul 2020 17:23

Tgt Ion:	122	Resp:	38
Ion	Ratio	Lower	Upper
122	100		
105	263.0	106.6	146.6#
77	781.5	76.5	116.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

Instrument :

BNA_P

ClientSampleId :

PB130037BL

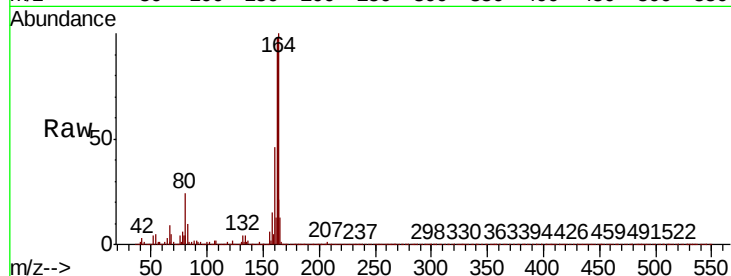
Tot Ion:164 Resp: 233224

Ion Ratio Lower Upper

164 100

162 97.6 80.3 120.5

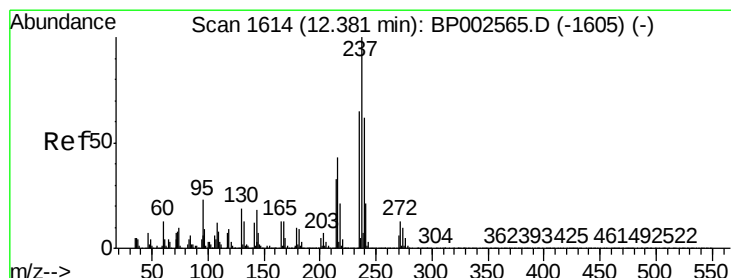
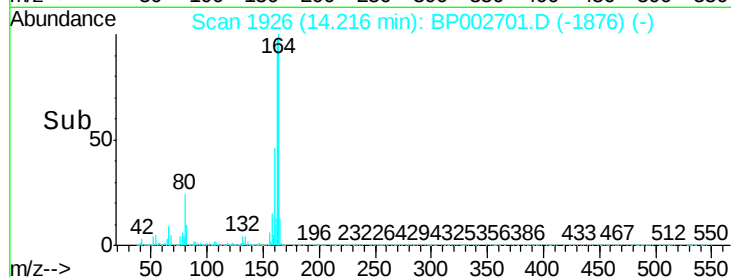
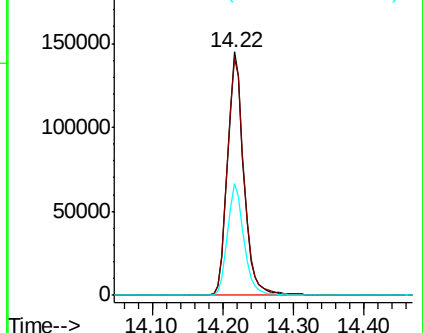
160 46.0 35.0 52.6



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: 4.390 ng

RT: 12.40 min Scan# 1618

Delta R.T. 0.02 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

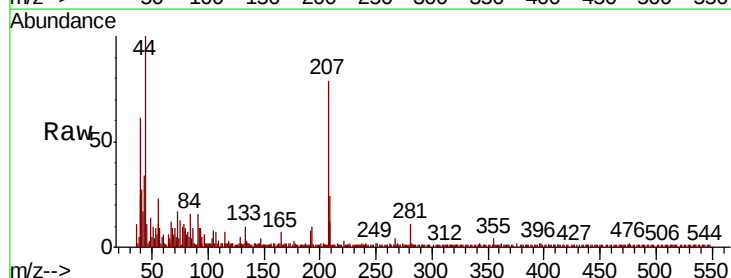
Tgt Ion:237 Resp: 32

Ion Ratio Lower Upper

237 100

235 48.0 45.4 85.4

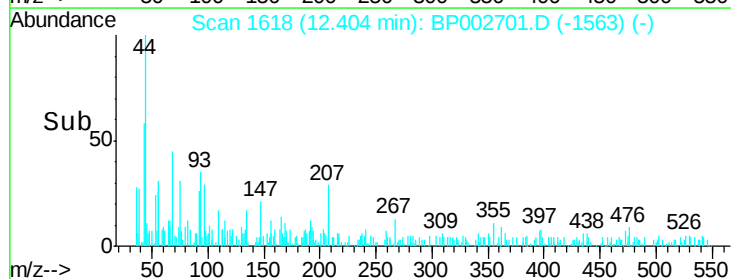
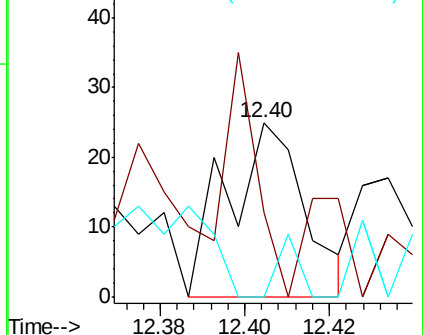
272 0.0 0.0 32.6

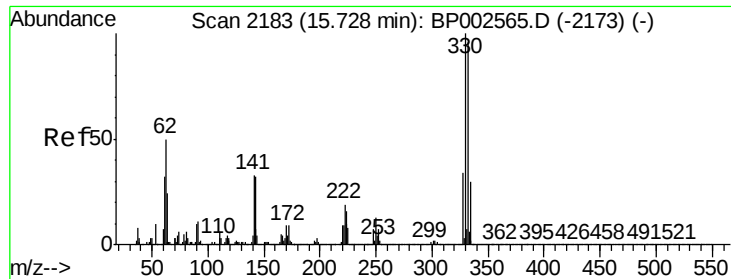


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

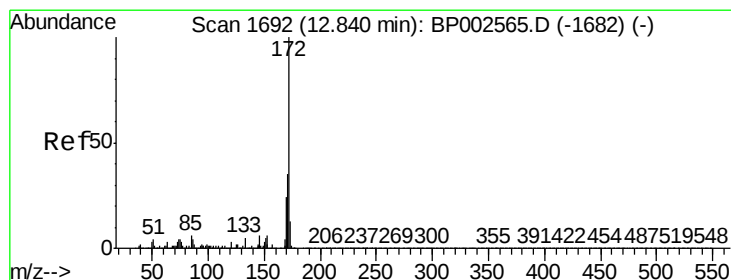
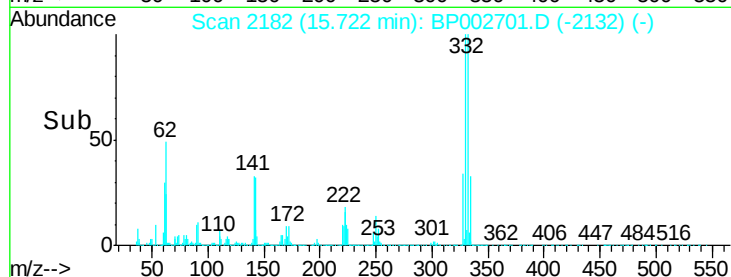
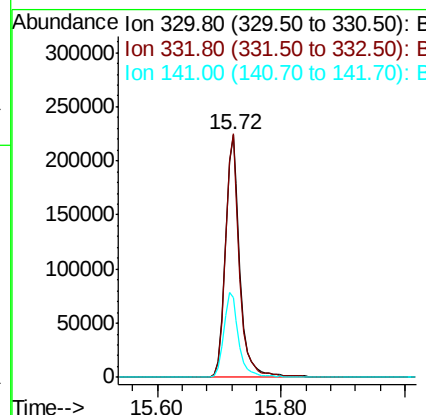
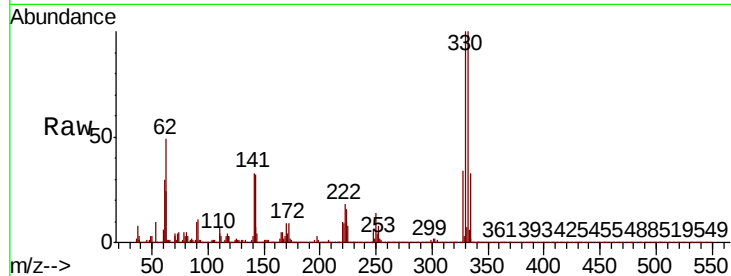




#42
 2,4,6-Tribromophenol
 Concen: 129.158 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002701.D
 Acq: 09 Jul 2020 17:23

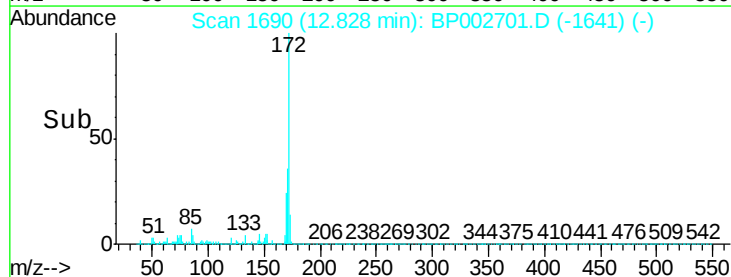
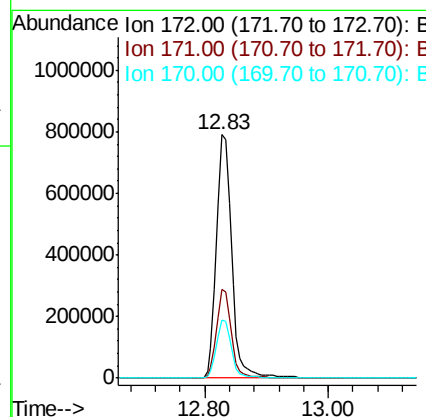
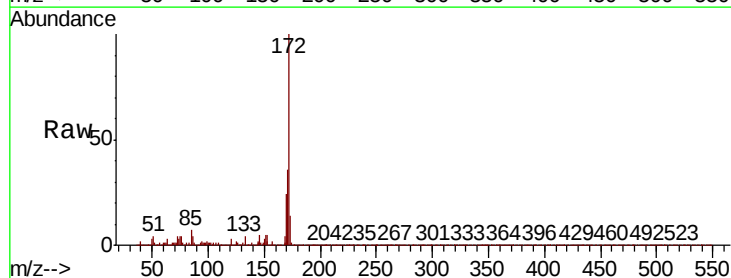
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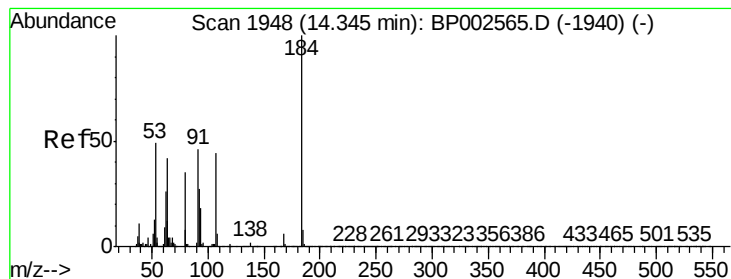
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.7	116.5
141	36.0	29.0	43.6



#45
 2-Fluorobiphenyl
 Concen: 85.244 ng
 RT: 12.83 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BP002701.D
 Acq: 09 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.0	42.0
170	23.9	19.0	28.4





#54

2,4-Dinitrophenol

Concen: 6.016 ng

RT: 14.35 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

Instrument :

BNA_P

ClientSampleId :

PB130037BL

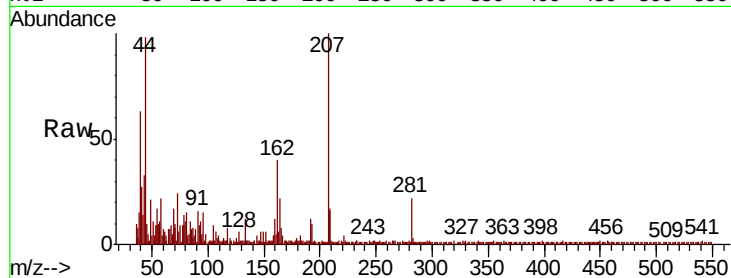
Tot Ion:184 Resp: 19

Ion Ratio Lower Upper

184 100

63 175.9 56.2 84.2#

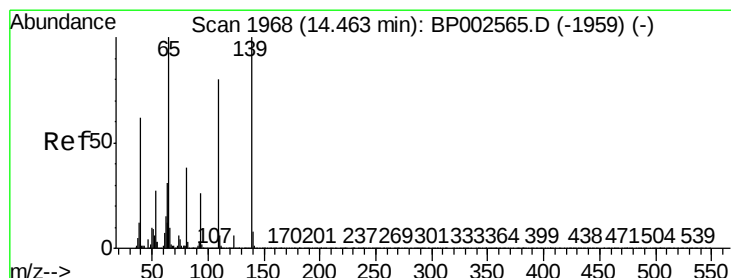
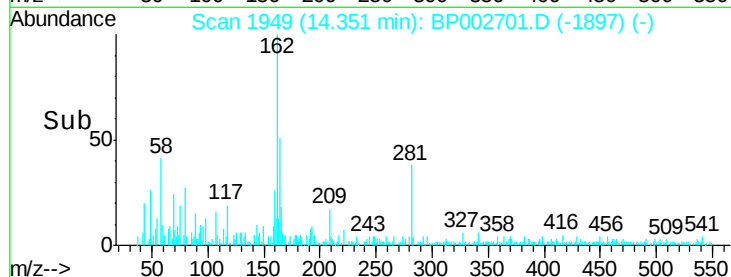
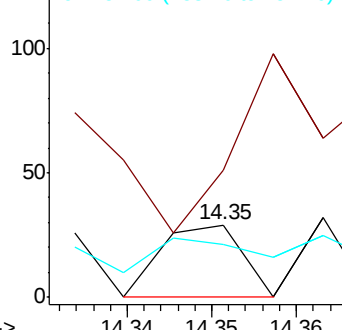
154 72.4 50.9 76.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E



#56

4-Nitrophenol

Concen: 2.445 ng

RT: 14.44 min Scan# 1964

Delta R.T. -0.02 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

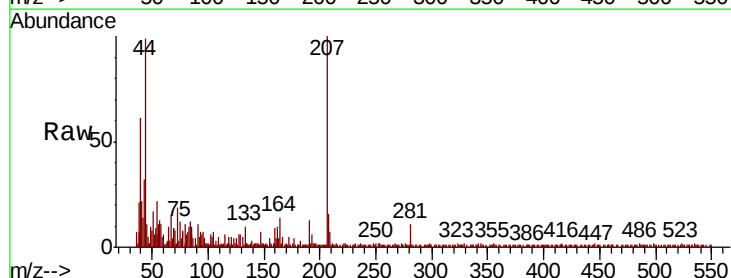
Tgt Ion:139 Resp: 30

Ion Ratio Lower Upper

139 100

109 179.4 60.1 100.1#

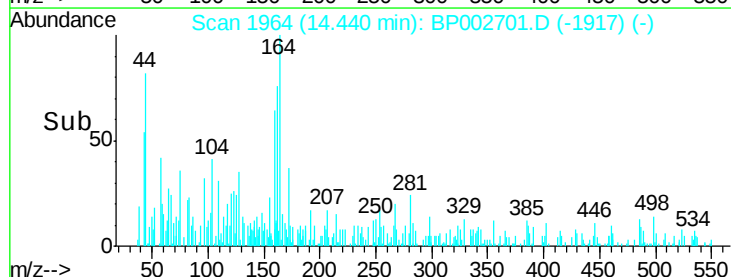
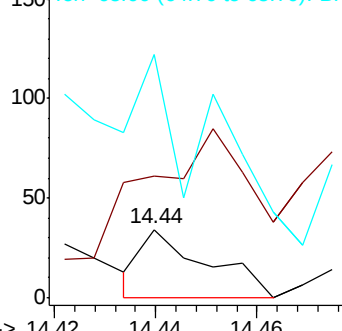
65 358.8 80.3 120.3#

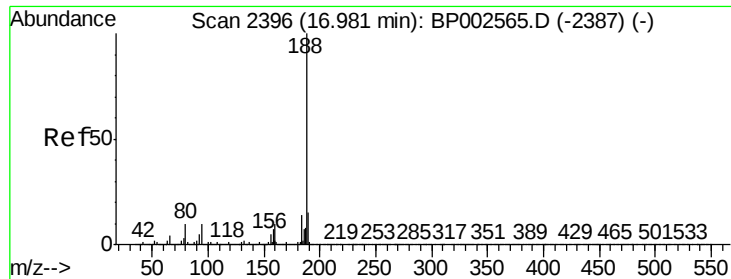


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BP0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

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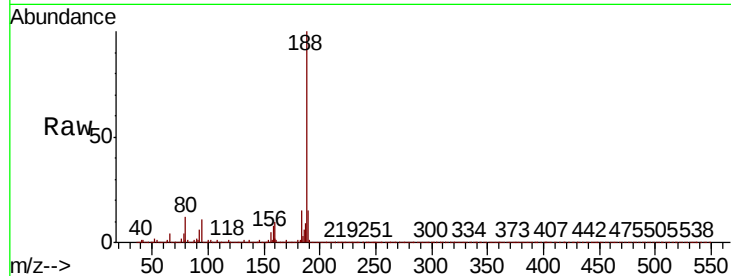
Tot Ion:188 Resp: 569033

Ion Ratio Lower Upper

188 100

94 10.8 7.8 11.6

80 11.8 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

16.97

400000

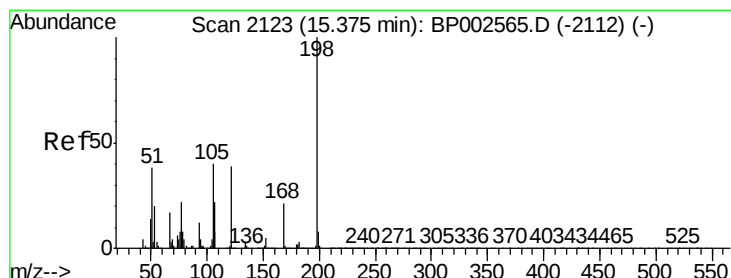
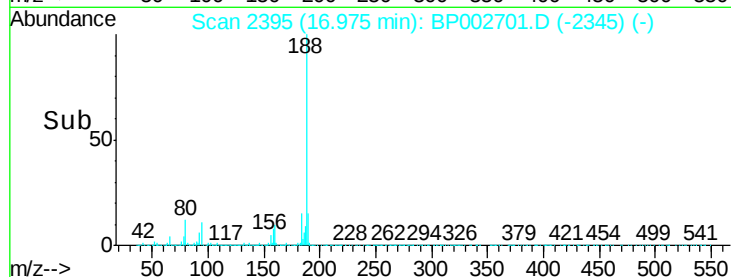
300000

200000

100000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 2.713 ng

RT: 15.38 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

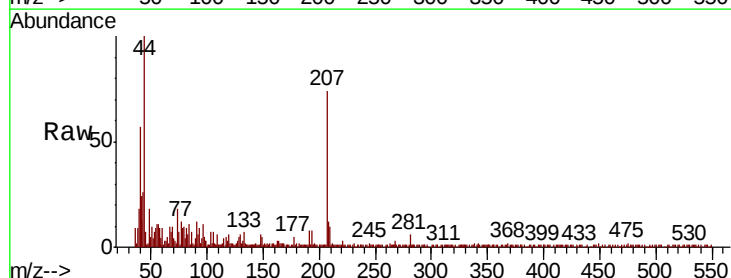
Tgt Ion:198 Resp: 11

Ion Ratio Lower Upper

198 100

51 893.8 24.2 64.2#

105 593.8 20.7 60.7#



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

200

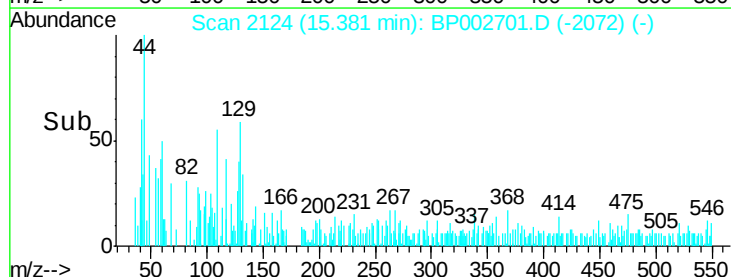
150

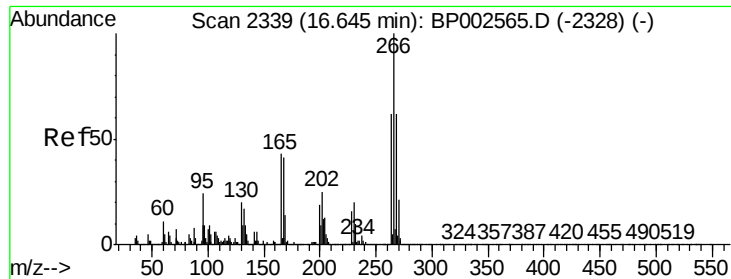
100

50

0

Time-->





#70

Pentachlorophenol

Concen: 2.666 ng

RT: 16.63 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

Instrument :

BNA_P

ClientSampleId :

PB130037BL

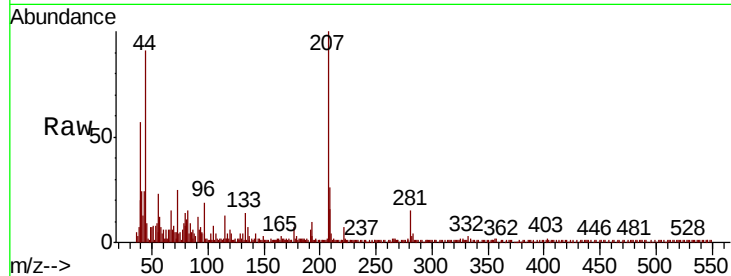
Tot Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

268 27.3 49.7 74.5#

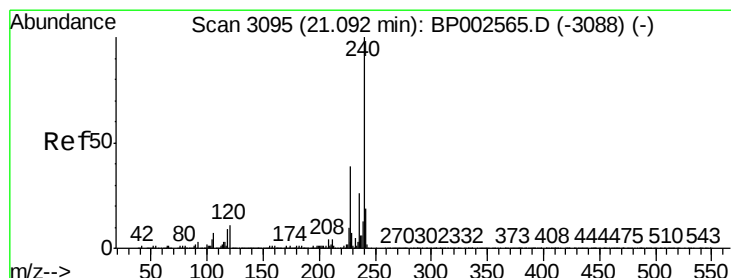
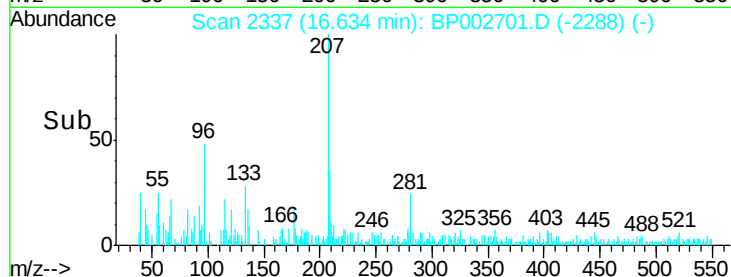
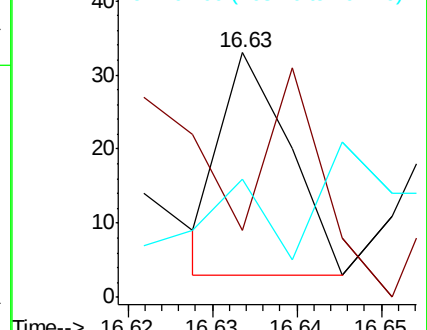
264 48.5 49.3 73.9#



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: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

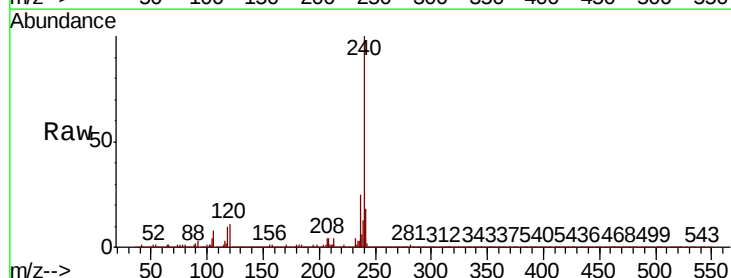
Tgt Ion:240 Resp: 796724

Ion Ratio Lower Upper

240 100

120 10.9 8.6 13.0

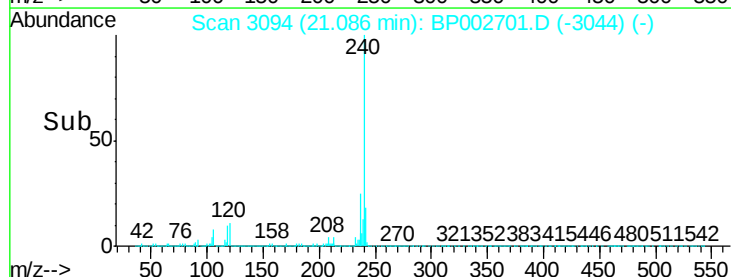
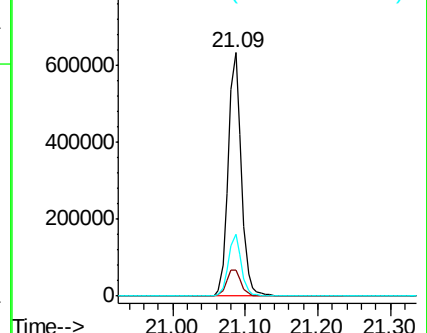
236 25.2 20.8 31.2

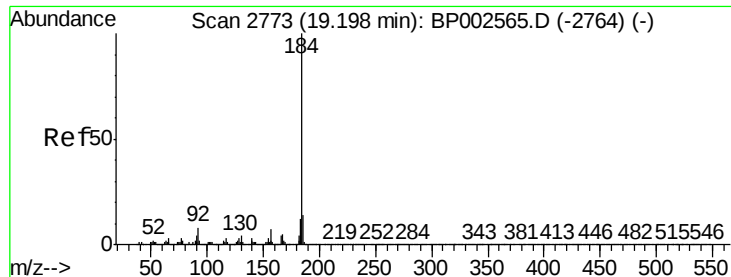


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.757 ng

RT: 19.19 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

Instrument :

BNA_P

ClientSampleId :

PB130037BL

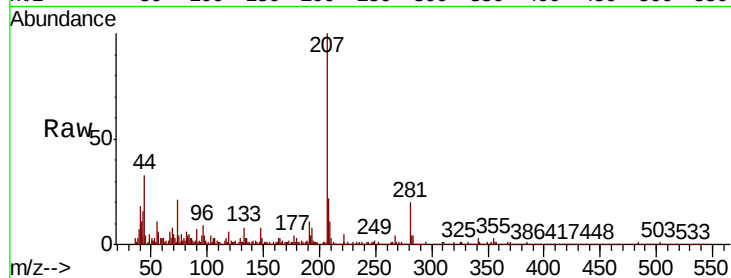
Tot Ion:184 Resp: 36

Ion Ratio Lower Upper

184 100

185 40.4 11.4 17.2#

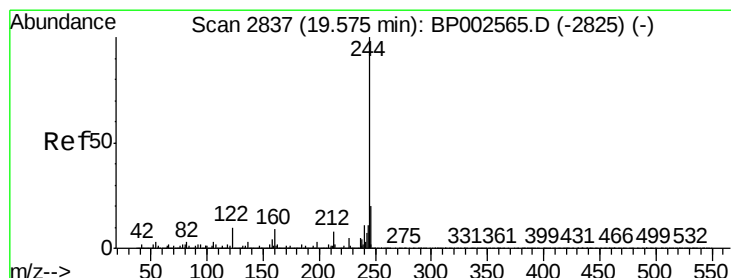
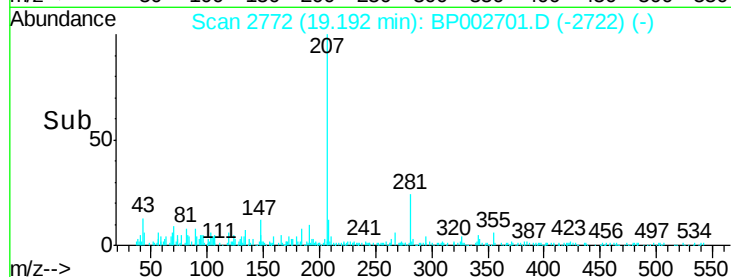
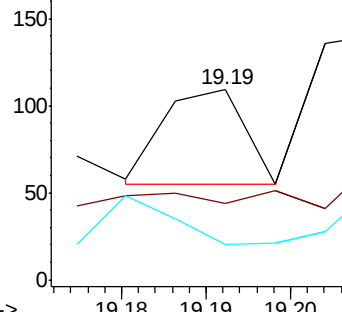
183 18.3 9.2 13.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 80.149 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP002701.D

Acq: 09 Jul 2020 17:23

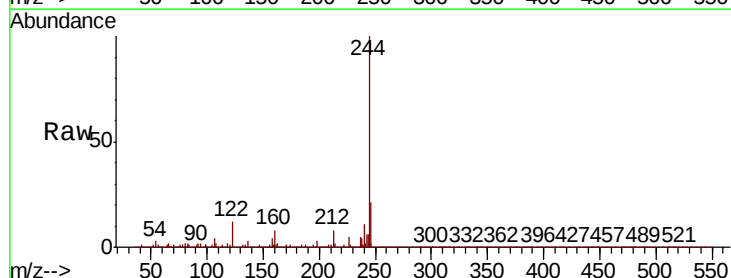
Tgt Ion:244 Resp: 2958418

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

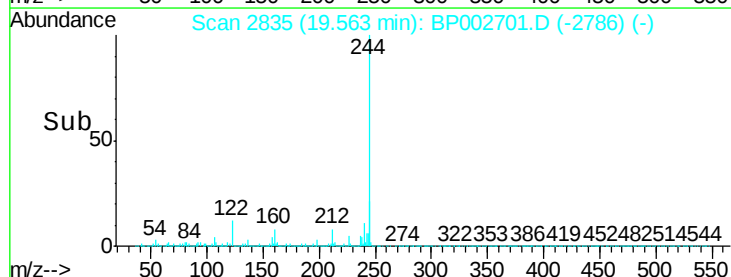
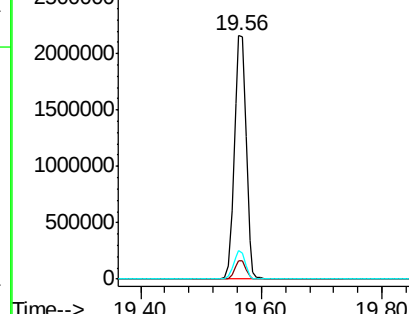
122 11.8 7.9 11.9

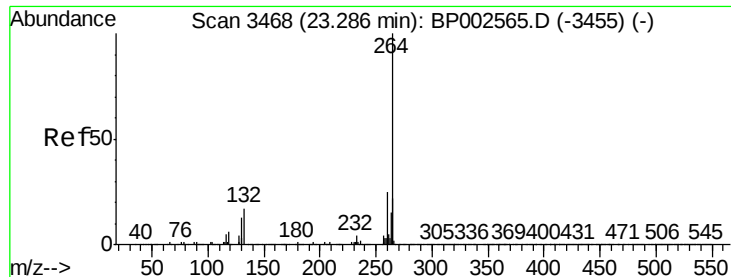


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

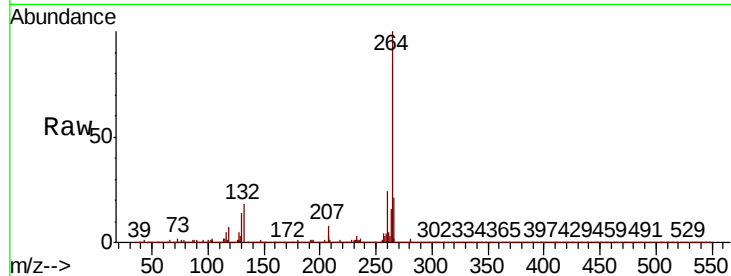




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.28 min Scan# 3467
 Delta R.T. -0.01 min
 Lab File: BP002701.D
 Acq: 09 Jul 2020 17:23

Instrument :
 BNA_P
 ClientSampleId :
 PB130037BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	21.1	17.6	26.4



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

