

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071420\
 Data File : BP002743.D
 Acq On : 14 Jul 2020 11:17
 Operator : CG/JU
 Sample : PB129999BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB129999BL

Quant Time: Jul 14 12:19:11 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

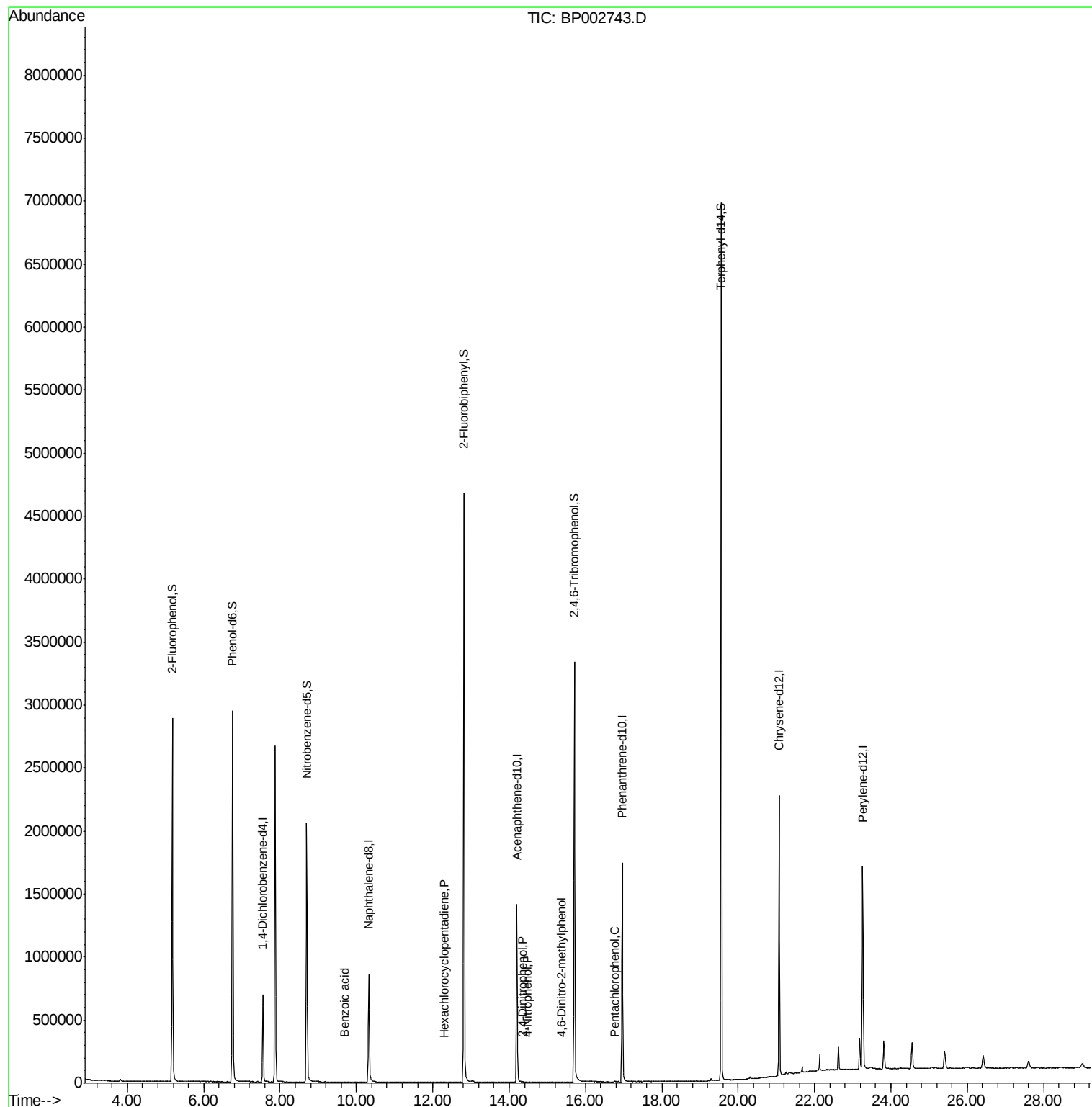
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	186096	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	760924	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	479938	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	1061333	20.00	ng	0.00
76) Chrysene-d12	21.07	240	1032853	20.00	ng	0.00
86) Perylene-d12	23.26	264	1058471	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	1391139	126.12	ng	0.00
7) Phenol-d6	6.75	99	1833467	116.47	ng	0.00
23) Nitrobenzene-d5	8.70	82	1281020	90.04	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	631736	126.10	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	2620518	84.47	ng	0.00
79) Terphenyl-d14	19.56	244	3734331	82.89	ng	0.00
Target Compounds						
32) Benzoic acid	9.69	122	24	7.065	ng	# 1
41) Hexachlorocyclopentadiene	12.29	237	11	7.436	ng	# 81
54) 2,4-Dinitrophenol	14.35	184	35	11.381	ng	# 16
56) 4-Nitrophenol	14.48	139	11	4.973	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.36	198	18	5.269	ng	# 1
70) Pentachlorophenol	16.76	266	40	7.448	ng	90

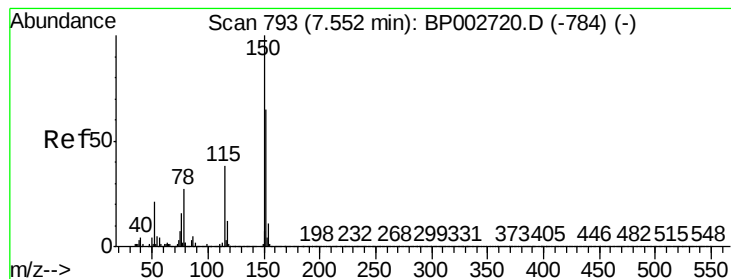
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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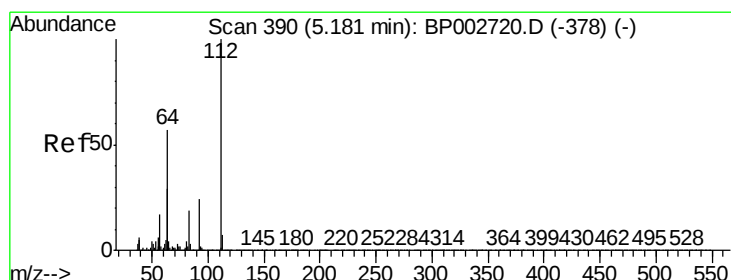
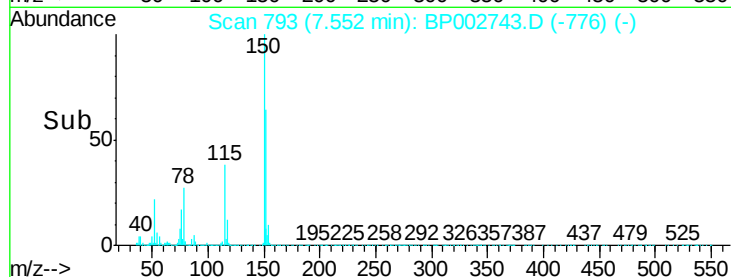
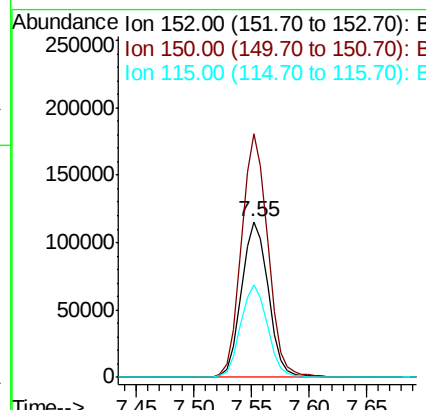
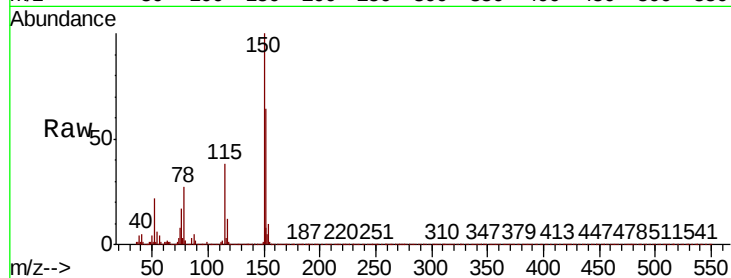


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 793
Delta R.T. 0.00 min
Lab File: BP002743.D
Acq: 14 Jul 2020 11:17

Instrument :
BNA_P
ClientSampleId :
PB129999BL

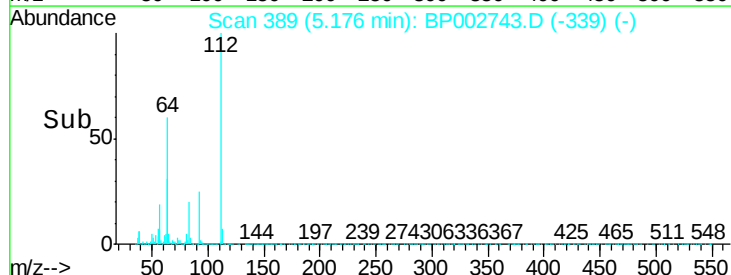
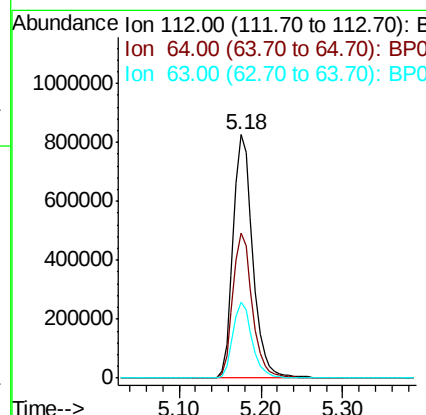
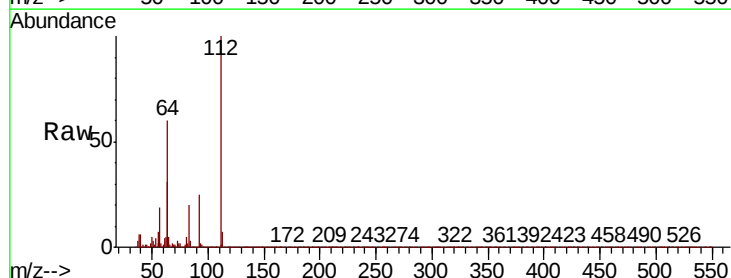
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.7	185.5
115	59.3	47.2	70.8

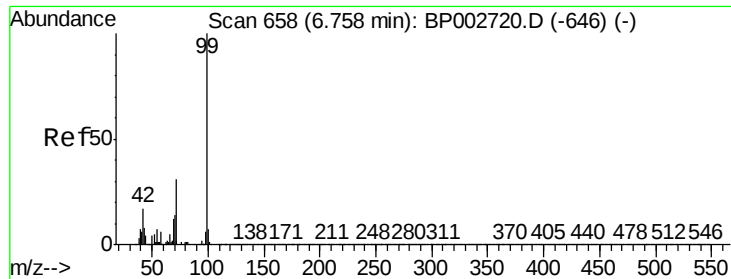


#5

2-Fluorophenol
Concen: 126.124 ng
RT: 5.18 min Scan# 389
Delta R.T. -0.01 min
Lab File: BP002743.D
Acq: 14 Jul 2020 11:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	45.6	68.4
63	31.1	23.5	35.3





#7

Phenol-d6

Concen: 116.473 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002743.D

Acq: 14 Jul 2020 11:17

Instrument :

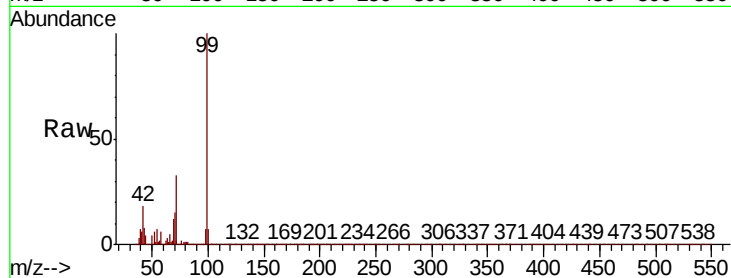
BNA_P

ClientSampleId :

PB129999BL

Tot Ion: 99 Resp: 1833467

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.4	20.2
71	32.8	24.6	36.8

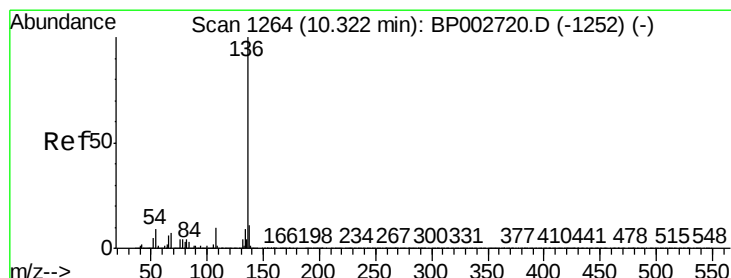
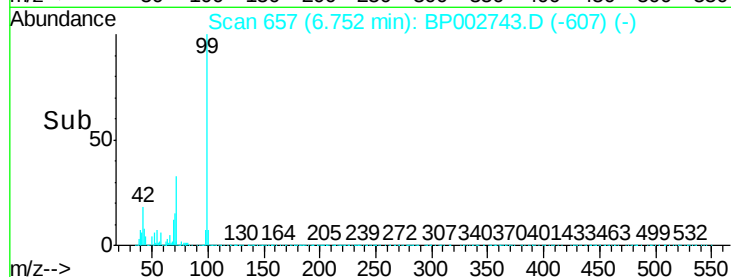


Abundance

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# 1264

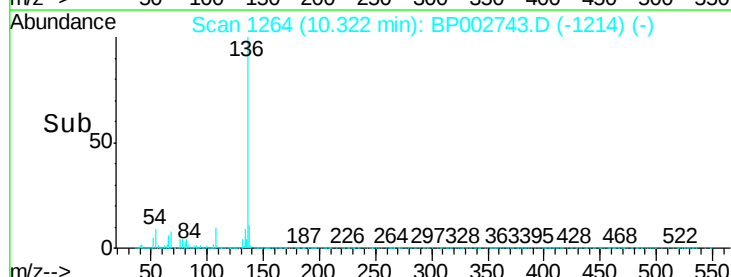
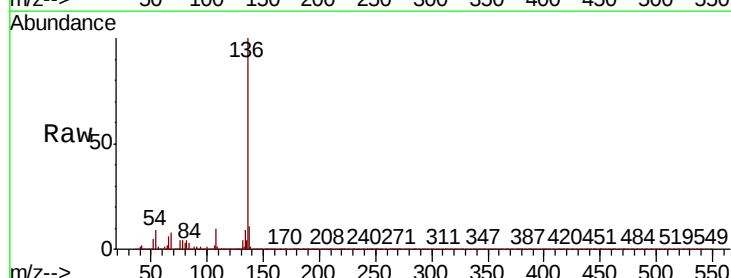
Delta R.T. -0.01 min

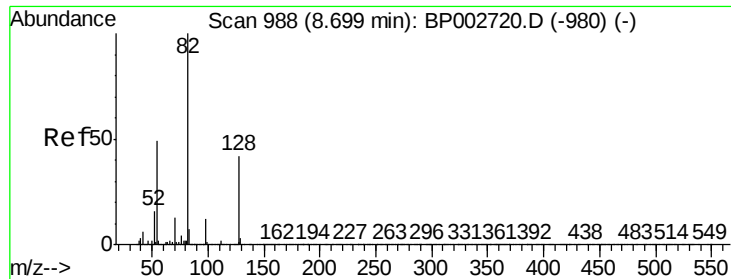
Lab File: BP002743.D

Acq: 14 Jul 2020 11:17

Tgt Ion: 136 Resp: 760924

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.1	6.9	10.3
68	7.7	5.7	8.5

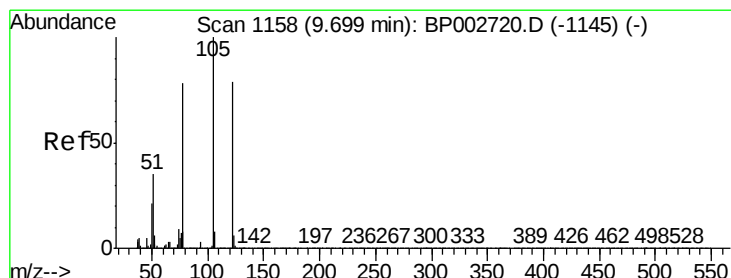
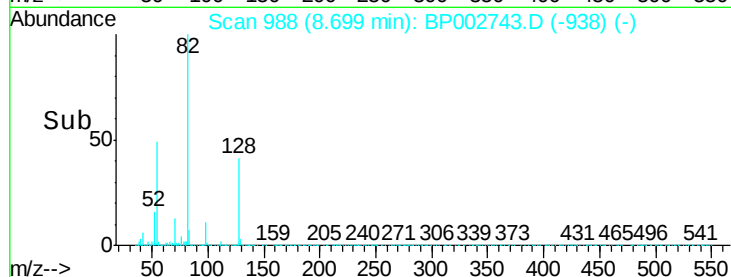
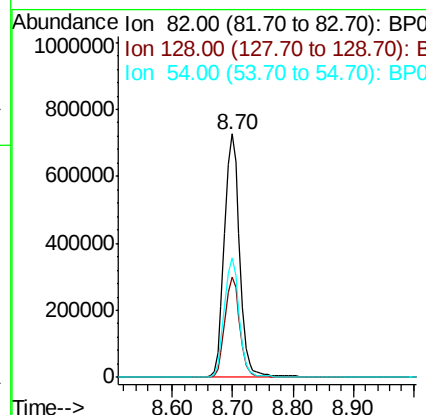
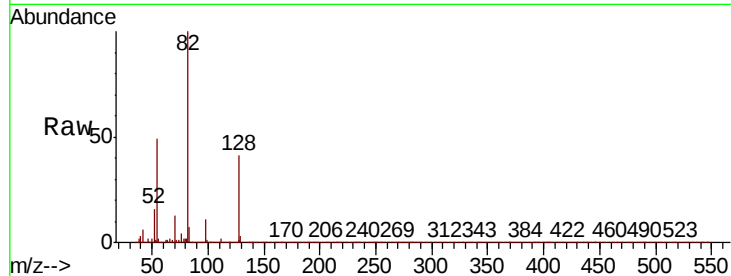




#23
 Nitrobenzene-d5
 Concen: 90.040 ng
 RT: 8.70 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: BP002743.D
 Acq: 14 Jul 2020 11:17

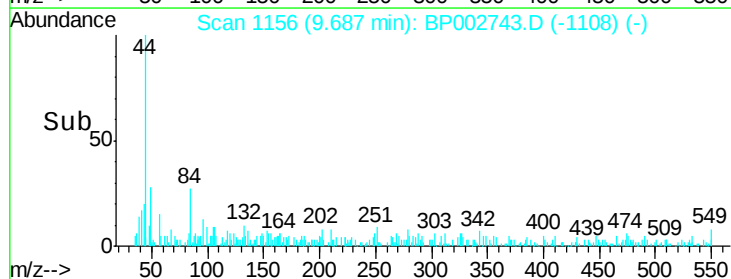
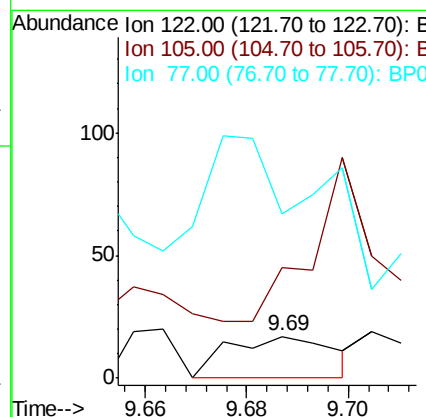
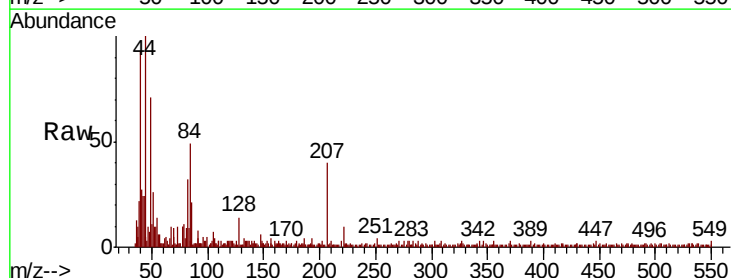
Instrument :
 BNA_P
 ClientSampleId :
 PB129999BL

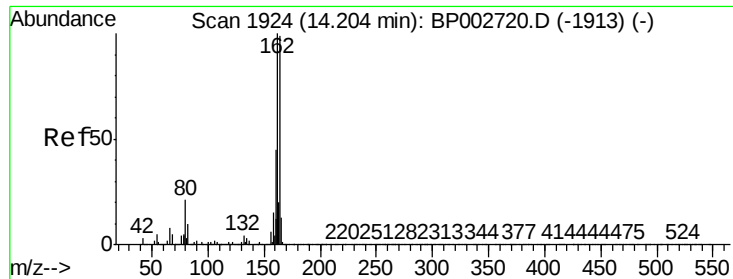
Tot Ion: 82 Resp: 1281020
 Ion Ratio Lower Upper
 82 100
 128 40.9 33.8 50.8
 54 48.9 38.8 58.2



#32
 Benzoic acid
 Concen: 7.065 ng
 RT: 9.69 min Scan# 1156
 Delta R.T. -0.02 min
 Lab File: BP002743.D
 Acq: 14 Jul 2020 11:17

Tgt Ion: 122 Resp: 24
 Ion Ratio Lower Upper
 122 100
 105 264.7 105.4 145.4#
 77 394.1 78.5 118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BP002743.D

Acq: 14 Jul 2020 11:17

Instrument :

BNA_P

ClientSampleId :

PB129999BL

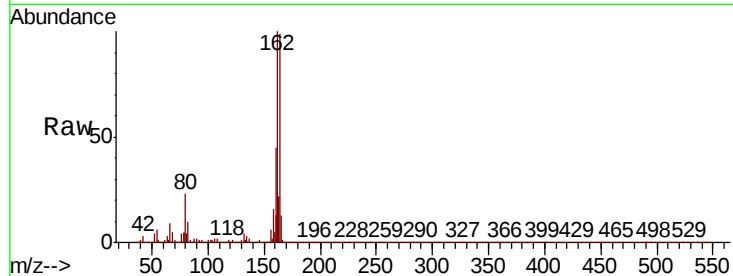
Tot Ion:164 Resp: 479938

Ion Ratio Lower Upper

164 100

162 101.4 80.6 121.0

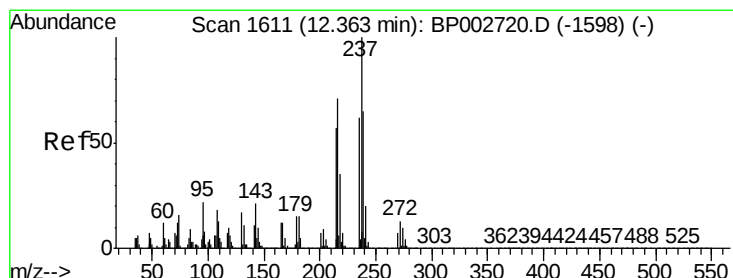
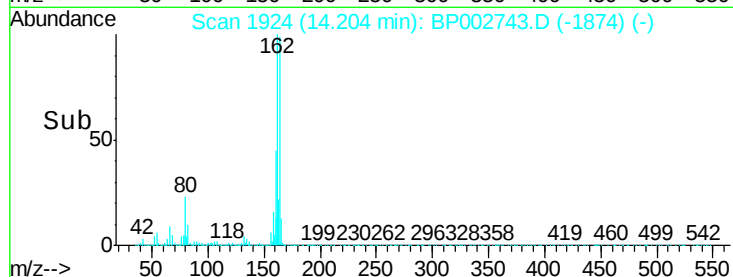
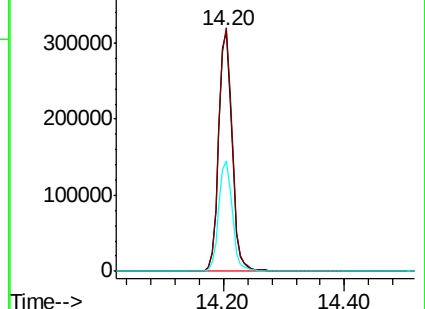
160 45.9 36.4 54.6



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: 12.29 min Scan# 1599

Delta R.T. -0.07 min

Lab File: BP002743.D

Acq: 14 Jul 2020 11:17

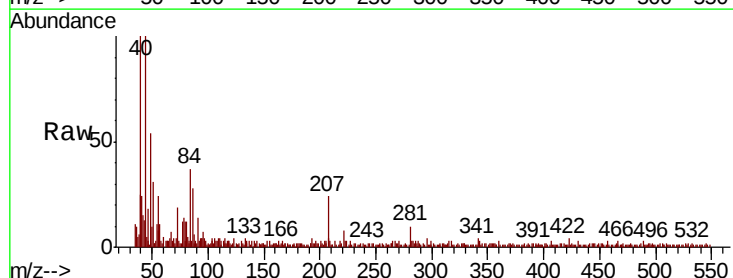
Tgt Ion:237 Resp: 11

Ion Ratio Lower Upper

237 100

235 75.0 42.3 82.3

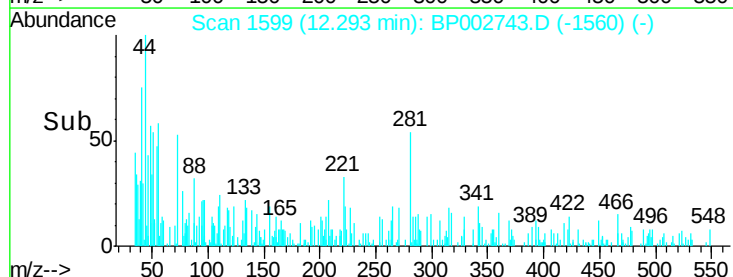
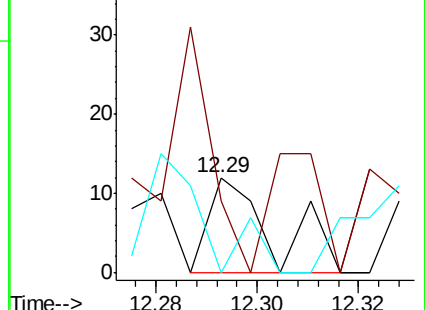
272 0.0 0.0 32.5

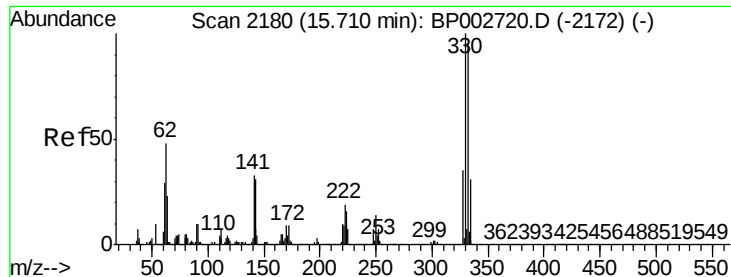


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

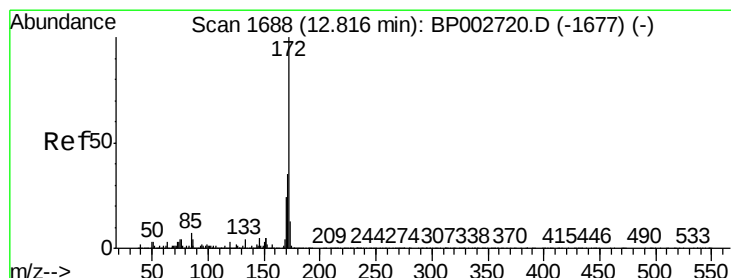
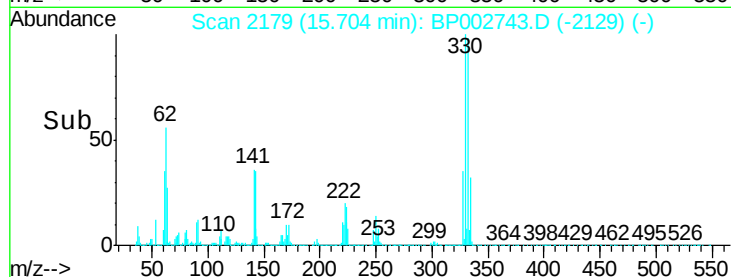
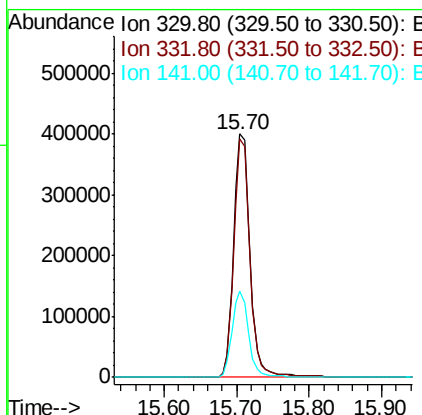
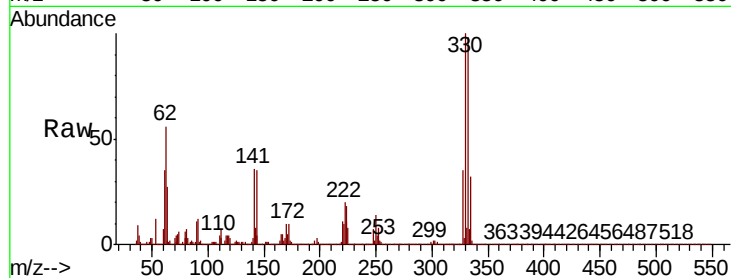




#42
 2,4,6-Tribromophenol
 Concen: 126.100 ng
 RT: 15.70 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BP002743.D
 Acq: 14 Jul 2020 11:17

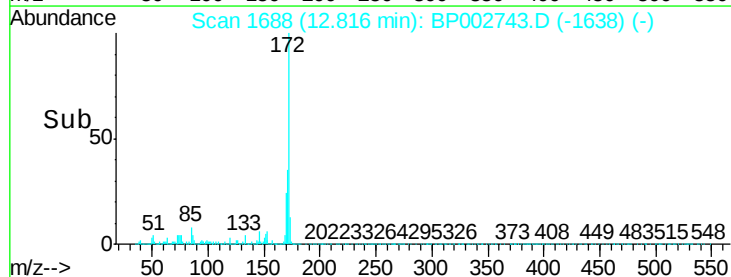
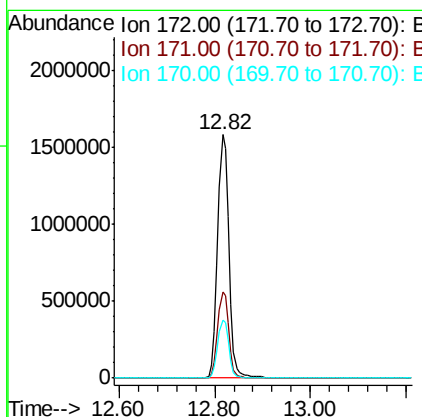
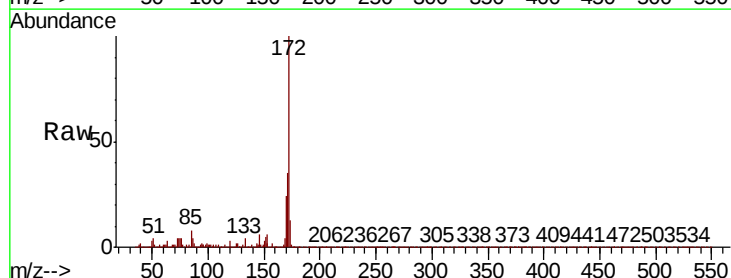
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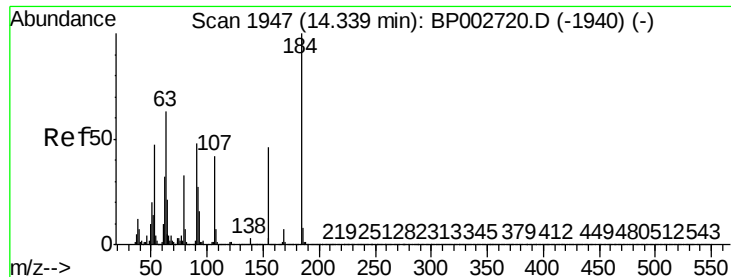
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.5	114.7
141	35.9	28.8	43.2



#45
 2-Fluorobiphenyl
 Concen: 84.467 ng
 RT: 12.82 min Scan# 1688
 Delta R.T. -0.01 min
 Lab File: BP002743.D
 Acq: 14 Jul 2020 11:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.7	19.3	28.9

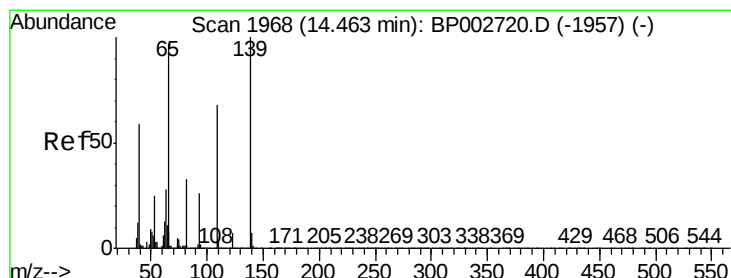
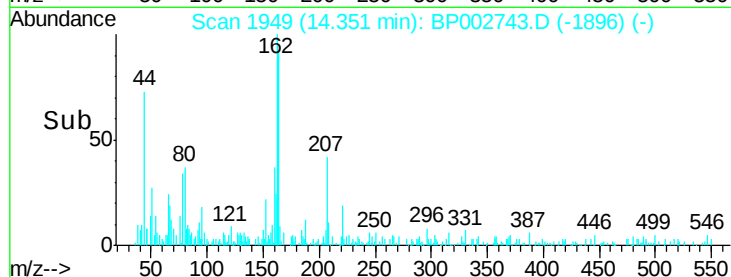
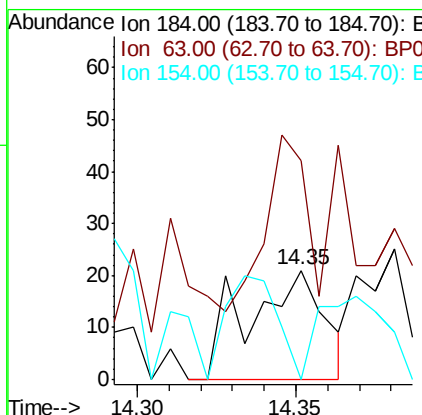
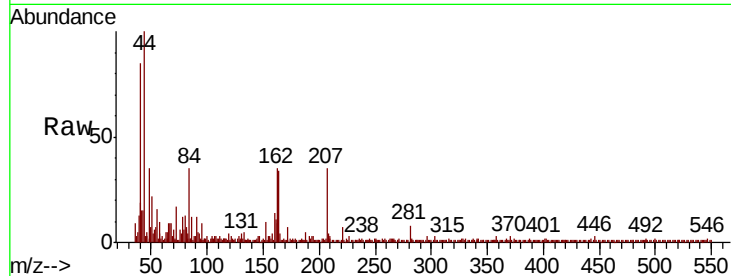




#54
2,4-Dinitrophenol
Concen: 11.381 ng
RT: 14.35 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BP002743.D
Acq: 14 Jul 2020 11:17

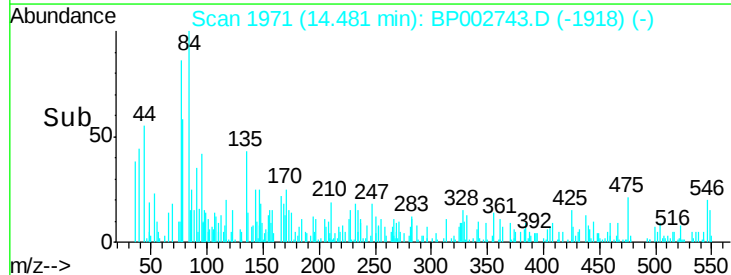
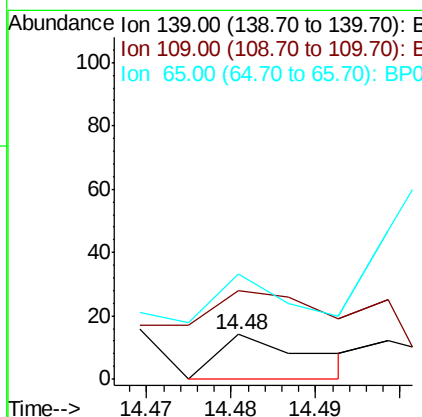
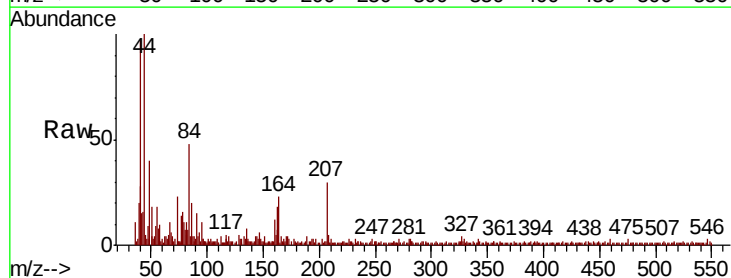
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BNA_P
ClientSampleId :
PB129999BL

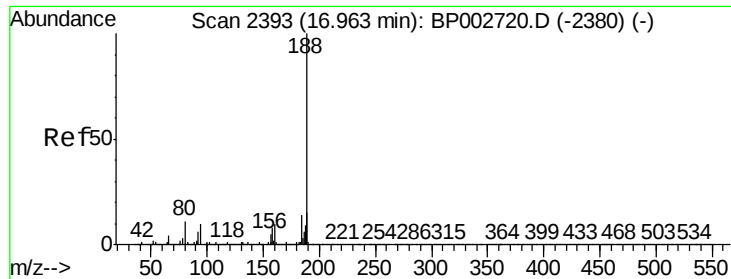
Tot Ion:184 Resp: 35
Ion Ratio Lower Upper
184 100
63 135.5 51.6 77.4#
154 0.0 45.0 67.6#



#56
4-Nitrophenol
Concen: 4.973 ng
RT: 14.48 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BP002743.D
Acq: 14 Jul 2020 11:17

Tgt Ion:139 Resp: 11
Ion Ratio Lower Upper
139 100
109 200.0 48.1 88.1#
65 235.7 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: BP002743.D

Acq: 14 Jul 2020 11:17

Instrument :

BNA_P

ClientSampleId :

PB129999BL

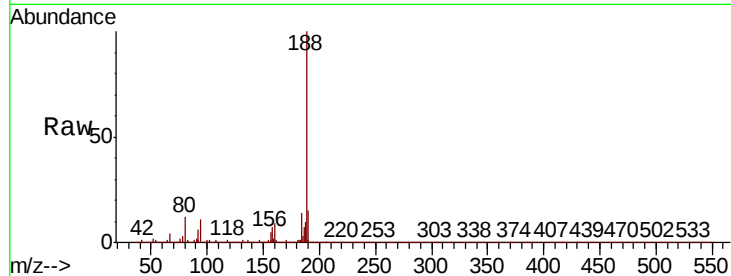
Tot Ion:188 Resp: 1061333

Ion Ratio Lower Upper

188 100

94 10.5 8.1 12.1

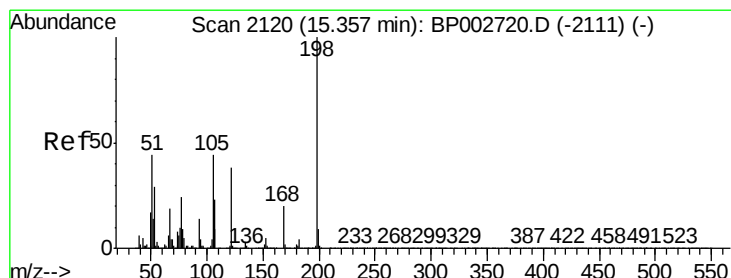
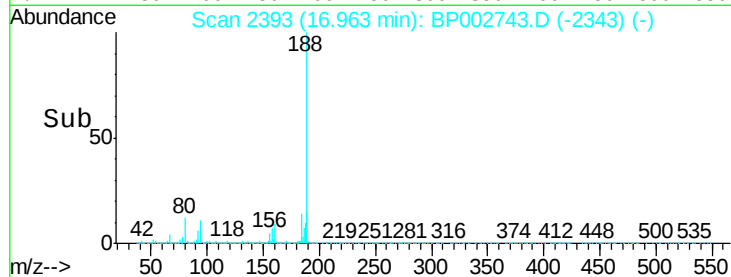
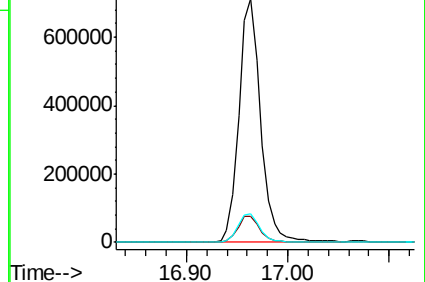
80 11.6 8.9 13.3



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.269 ng

RT: 15.36 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BP002743.D

Acq: 14 Jul 2020 11:17

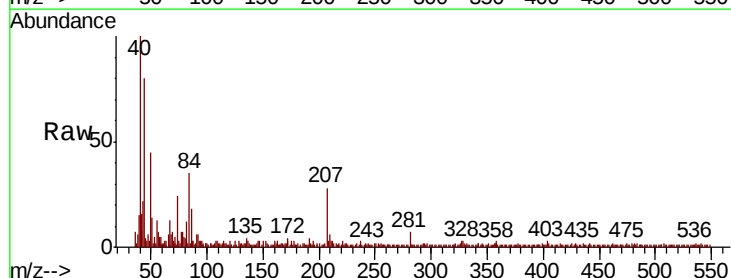
Tgt Ion:198 Resp: 18

Ion Ratio Lower Upper

198 100

51 540.9 27.1 67.1#

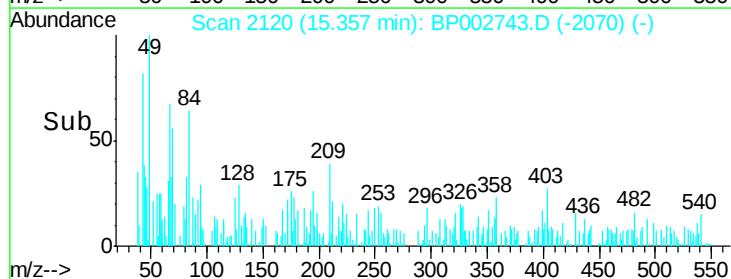
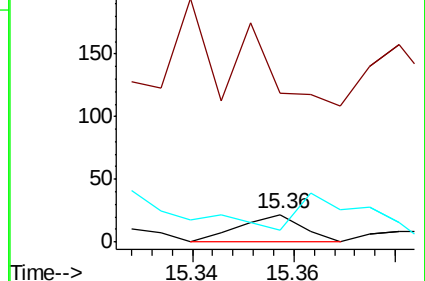
105 40.9 24.9 64.9

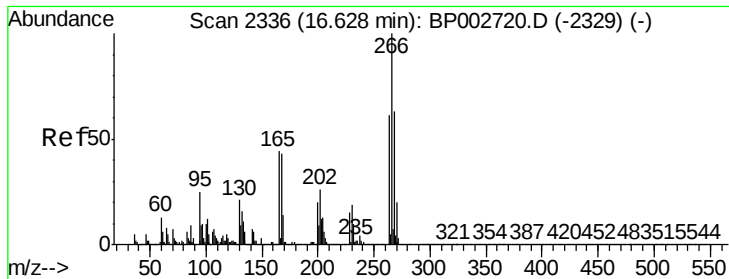


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#70

Pentachlorophenol

Concen: 7.448 ng

RT: 16.76 min Scan# 2359

Delta R.T. 0.13 min

Lab File: BP002743.D

Acq: 14 Jul 2020 11:17

Instrument :

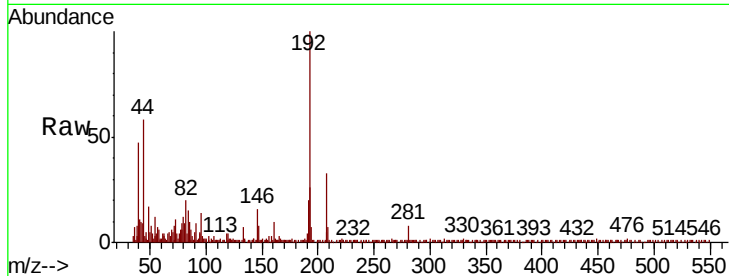
BNA_P

ClientSampleId :

PB129999BL

Tot Ion:266 Resp: 40

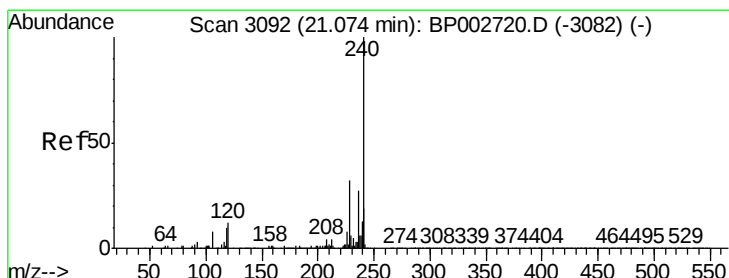
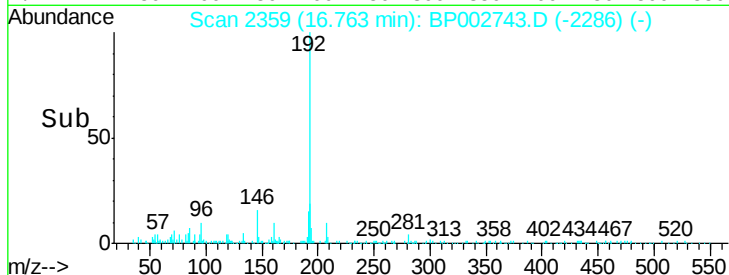
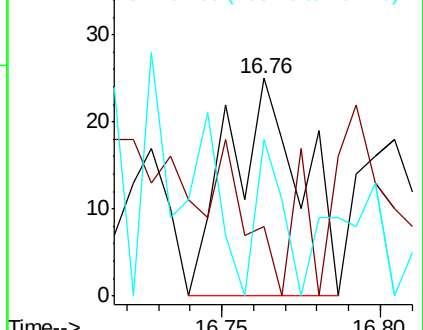
Ion	Ratio	Lower	Upper
266	100		
268	68.0	50.6	75.8
264	72.0	48.6	72.8



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# 3091

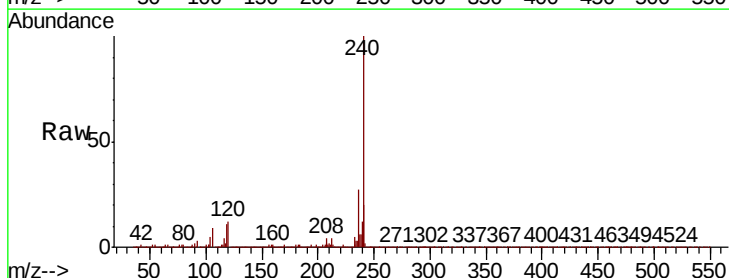
Delta R.T. -0.01 min

Lab File: BP002743.D

Acq: 14 Jul 2020 11:17

Tgt Ion:240 Resp: 1032853

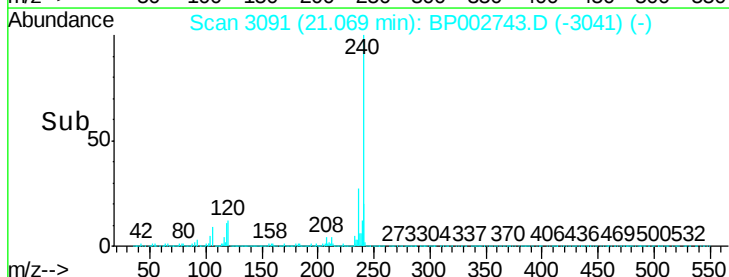
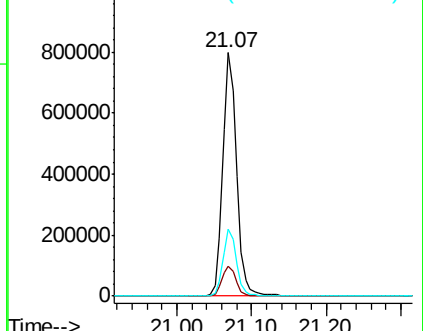
Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.4	14.2
236	27.4	21.3	31.9

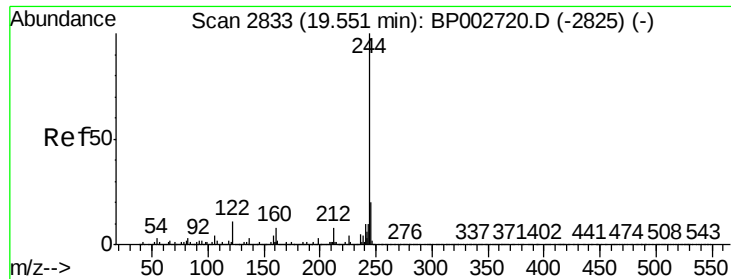


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 82.894 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002743.D

Acq: 14 Jul 2020 11:17

Instrument :

BNA_P

ClientSampleId :

PB129999BL

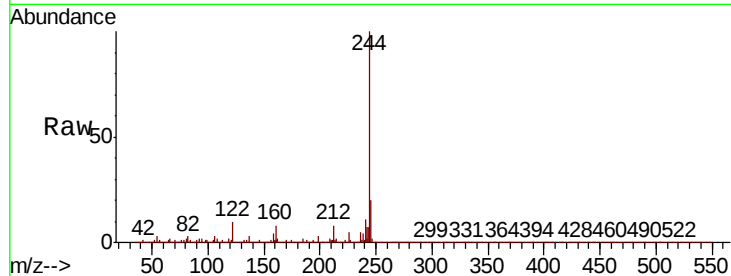
Tot Ion:244 Resp: 3734331

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

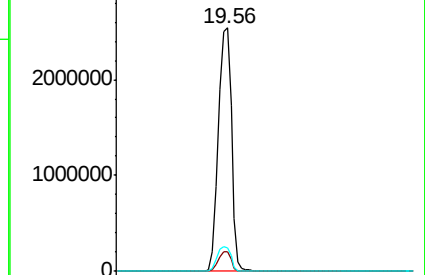
122 9.6 8.9 13.3



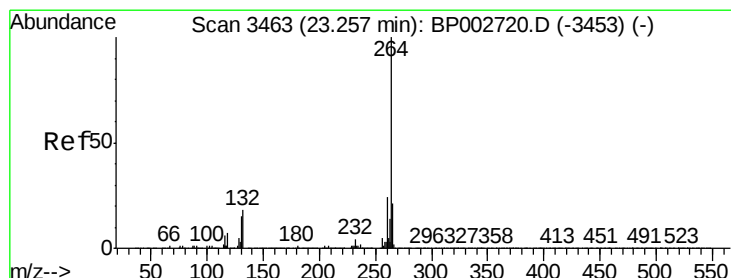
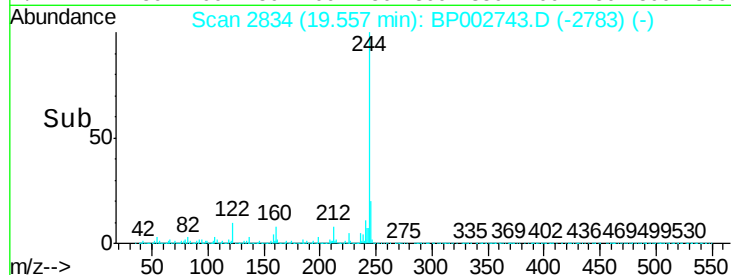
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.40 19.60 19.80



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.26 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BP002743.D

Acq: 14 Jul 2020 11:17

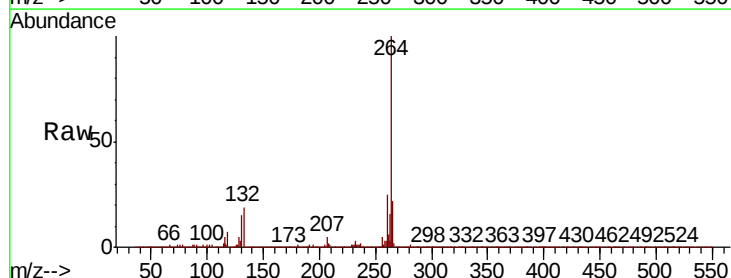
Tgt Ion:264 Resp: 1058471

Ion Ratio Lower Upper

264 100

260 25.2 19.3 28.9

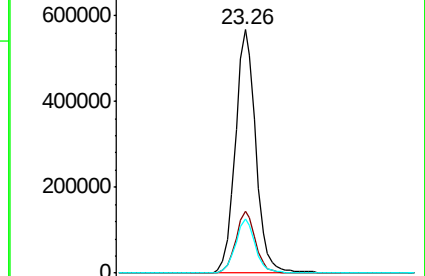
265 22.2 16.8 25.2



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



Time--> 23.10 23.20 23.30 23.40

