

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070920\
 Data File : BP002711.D
 Acq On : 09 Jul 2020 23:03
 Operator : CG/JU
 Sample : L3217-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E3-41-COMP-1-FLOOR

Quant Time: Jul 10 00:44:55 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	56778	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	268952	20.00	ng	-0.01
39) Acenaphthene-d10	14.22	164	197716	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	522718	20.00	ng	0.00
76) Chrysene-d12	21.08	240	729867	20.00	ng	-0.01
86) Perylene-d12	23.27	264	923138	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	441127	131.54	ng	0.00
7) Phenol-d6	6.77	99	695549	148.60	ng	0.00
23) Nitrobenzene-d5	8.71	82	458336	87.81	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	348921	145.09	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	1136240	84.58	ng	-0.01
79) Terphenyl-d14	19.56	244	2658156	78.61	ng	-0.01

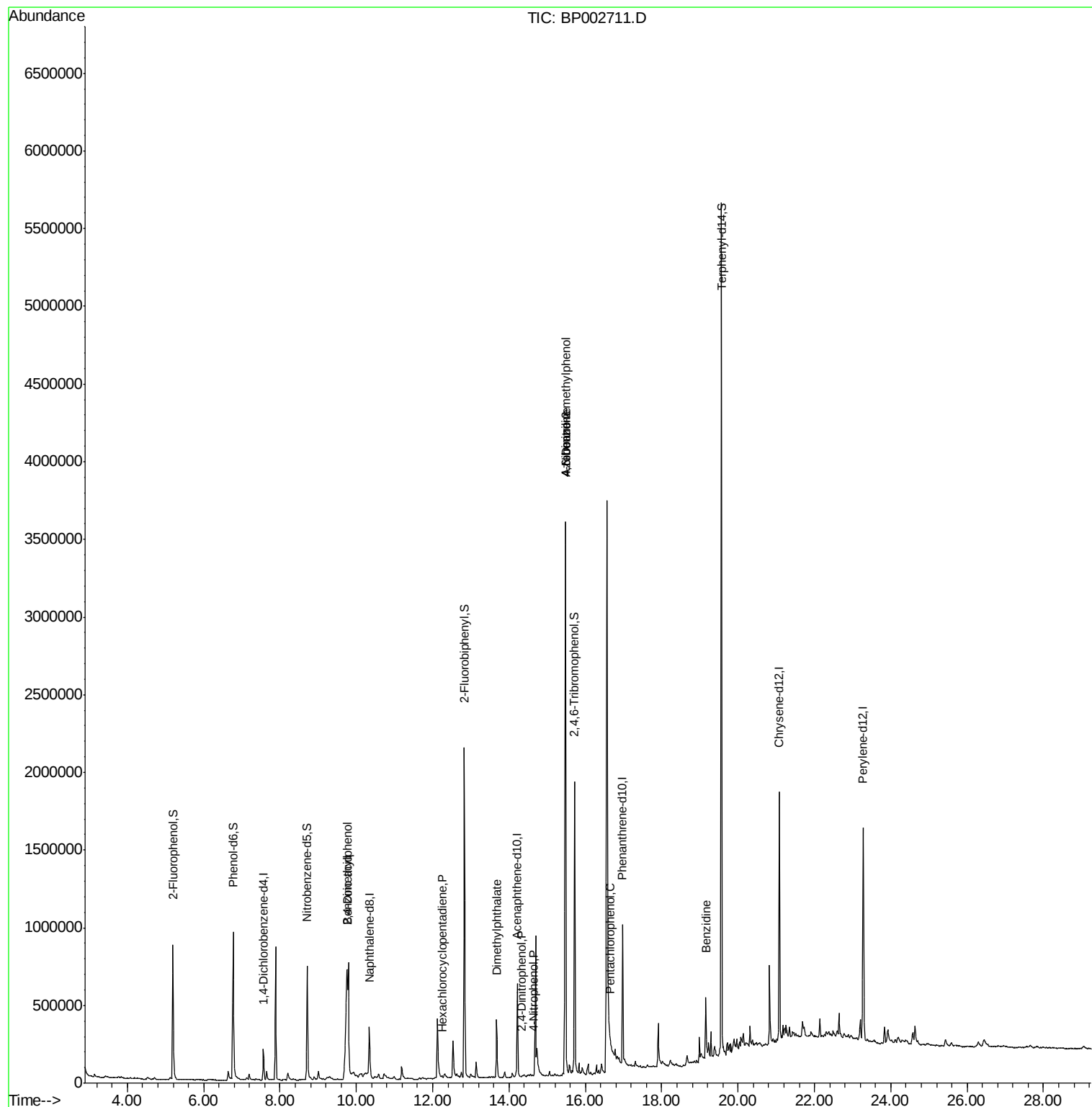
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) 2,4-Dimethylphenol	9.75	122	333127	87.248	ng	# 3
32) Benzoic acid	9.75	122	349874	104.223	ng	97
41) Hexachlorocyclopentadiene	12.27	237	22	4.388	ng	74
50) Dimethylphthalate	13.68	163	242322	15.604	ng	98
54) 2,4-Dinitrophenol	14.33	184	41	6.027	ng	# 1
56) 4-Nitrophenol	14.64	139	264	2.525	ng	97
62) 4-Nitroaniline	15.48	138	18952	5.192	ng	# 1
63) Azobenzene	15.48	77	138575	9.281	ng	# 45
65) 4,6-Dinitro-2-methylphenol	15.47	198	1014	2.994	ng	# 1
70) Pentachlorophenol	16.65	266	771	2.869	ng	98
77) Benzidine	19.15	184	7341	3.973	ng	# 1

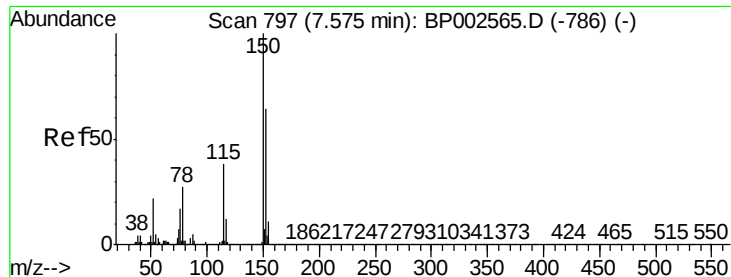
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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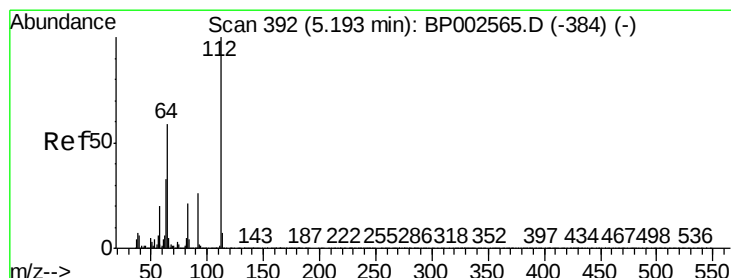
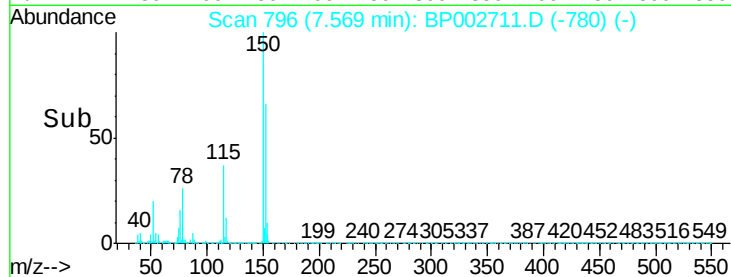
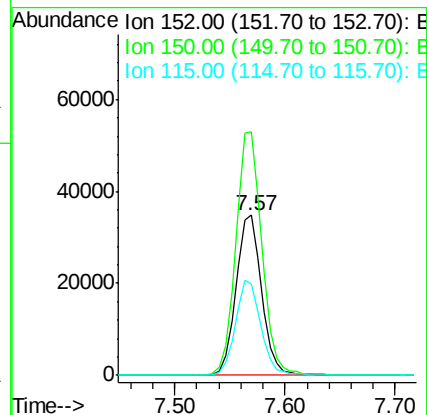
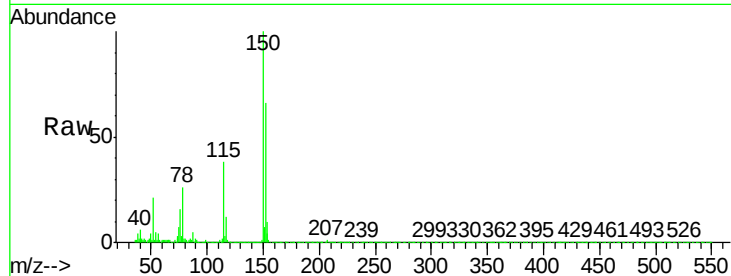


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

Instrument :
BNA_P
ClientSampleId :
E3-41-COMP-1-FLOOR

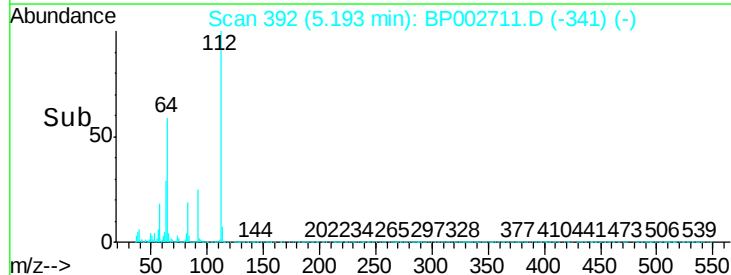
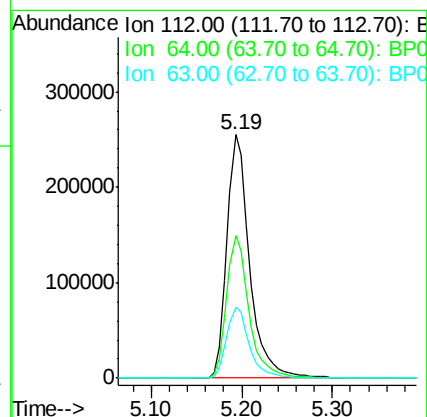
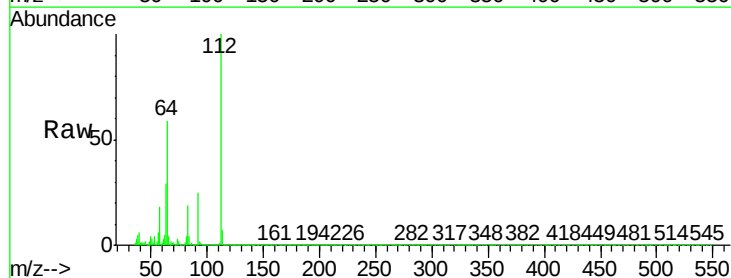
Tot Ion:152 Resp: 56778
Ion Ratio Lower Upper
152 100
150 152.0 124.2 186.2
115 57.1 47.1 70.7

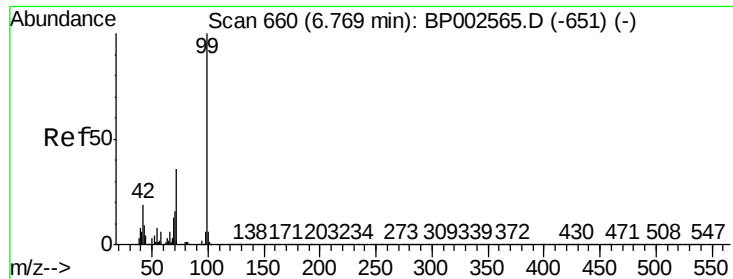


#5

2-Fluorophenol
Concen: 131.544 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

Tgt Ion:112 Resp: 441127
Ion Ratio Lower Upper
112 100
64 58.6 47.0 70.6
63 29.2 26.1 39.1





#7

Phenol-d6

Concen: 148.603 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.00 min

Lab File: BP002711.D

Acq: 09 Jul 2020 23:03

Instrument :

BNA_P

ClientSampleId :

E3-41-COMP-1-FLOOR

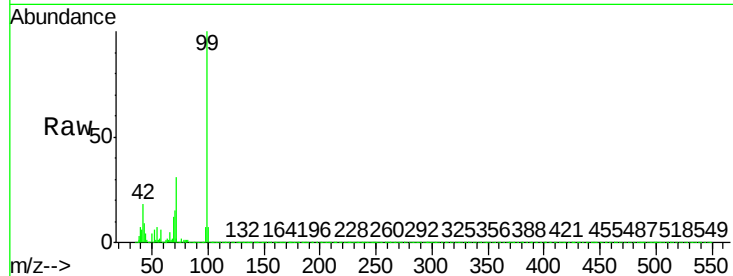
Tot Ion: 99 Resp: 695549

Ion Ratio Lower Upper

99 100

42 17.8 15.5 23.3

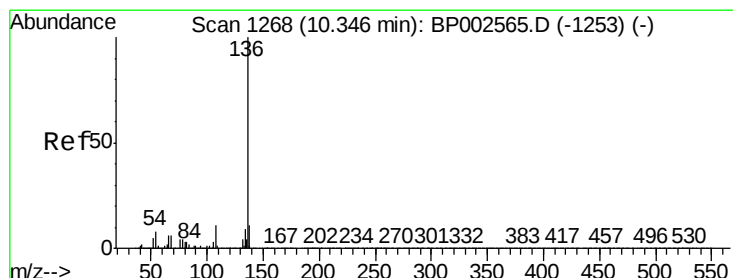
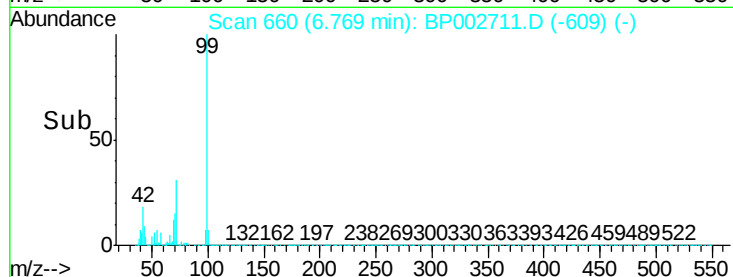
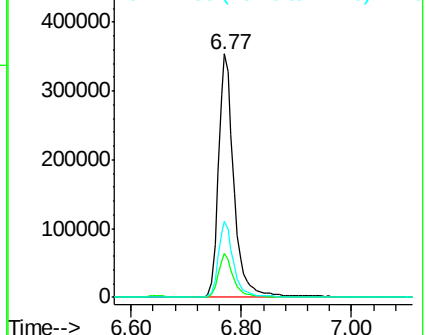
71 31.0 28.9 43.3



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: 10.33 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BP002711.D

Acq: 09 Jul 2020 23:03

Tgt Ion: 136 Resp: 268952

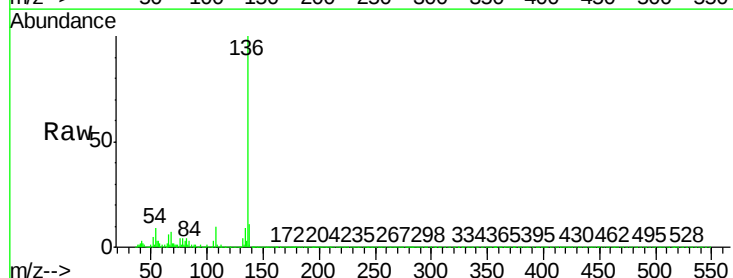
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.5 6.4 9.6

68 7.3 5.1 7.7

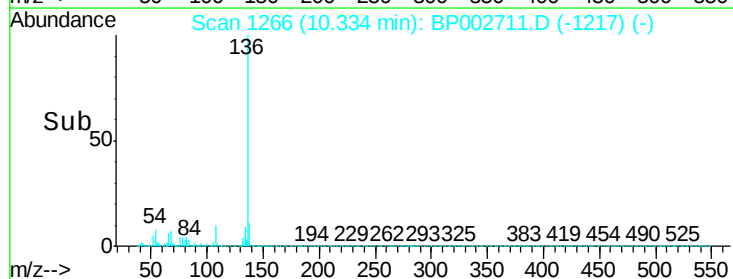
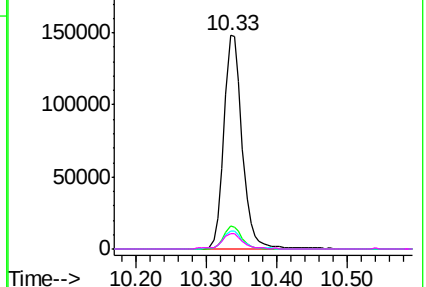


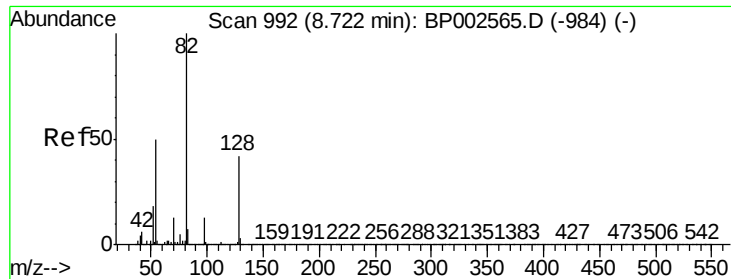
Abundance Ion 136.00 (135.70 to 136.70): E

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

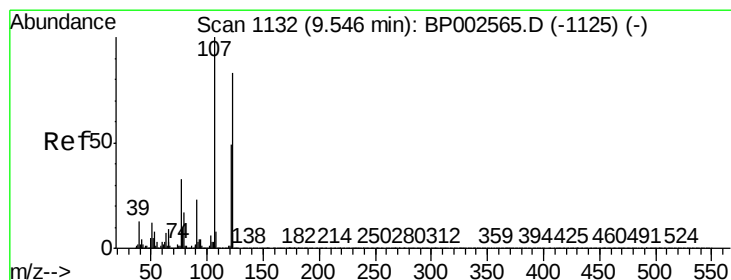
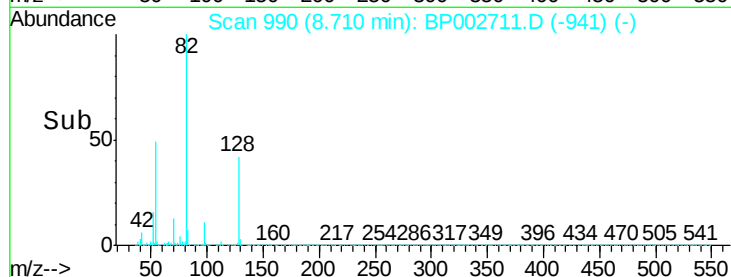
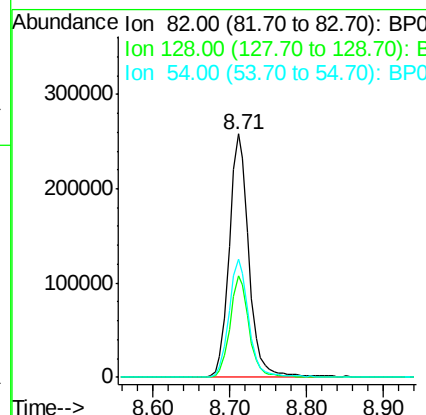
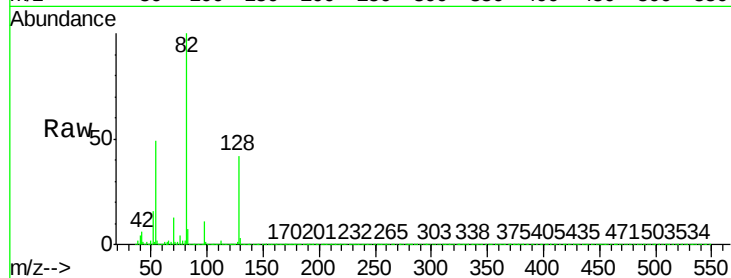




#23
 Nitrobenzene-d5
 Concen: 87.807 ng
 RT: 8.71 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BP002711.D
 Acq: 09 Jul 2020 23:03

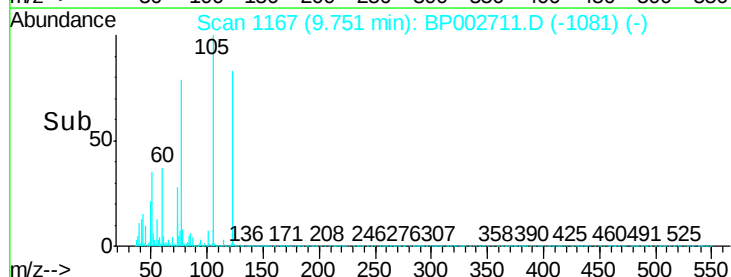
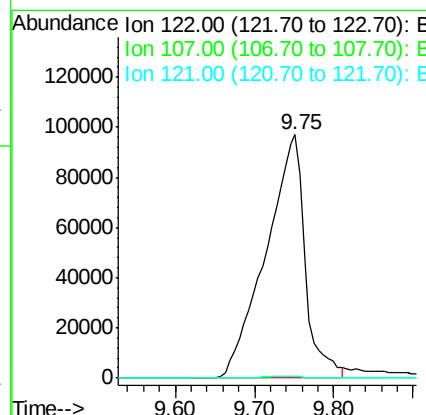
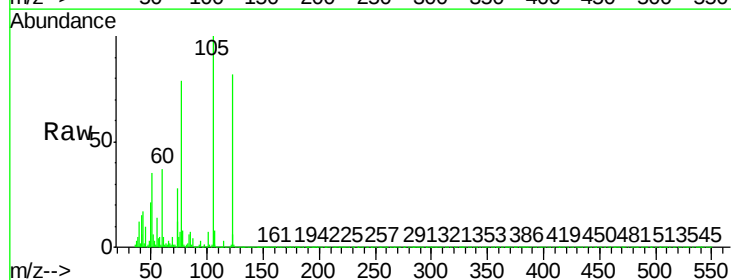
Instrument :
 BNA_P
 ClientSampleId :
 E3-41-COMP-1-FLOOR

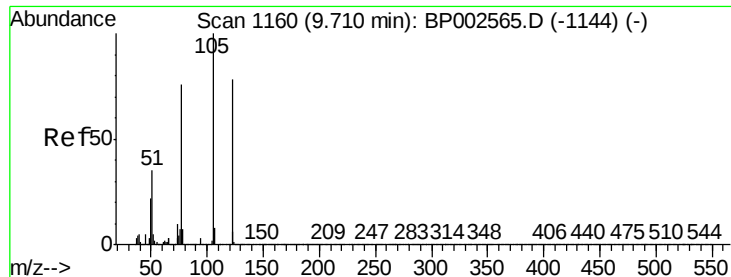
Tot Ion	82	Resp	458336
Ion Ratio	Lower	Upper	
82	100		
128	41.7	33.4	50.2
54	48.7	40.1	60.1



#27
 2,4-Dimethylphenol
 Concen: 87.248 ng
 RT: 9.75 min Scan# 1167
 Delta R.T. 0.21 min
 Lab File: BP002711.D
 Acq: 09 Jul 2020 23:03

Tgt Ion	122	Resp	333127
Ion Ratio	Lower	Upper	
122	100		
107	0.7	95.9	143.9#
121	0.9	47.0	70.6#

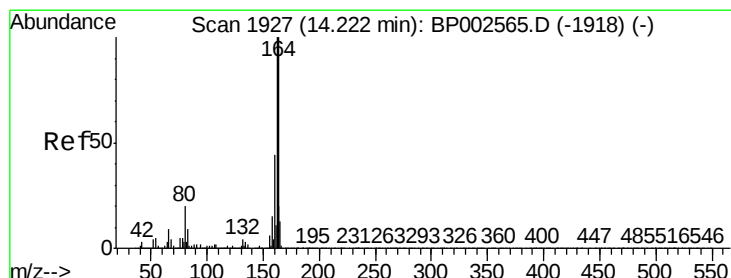
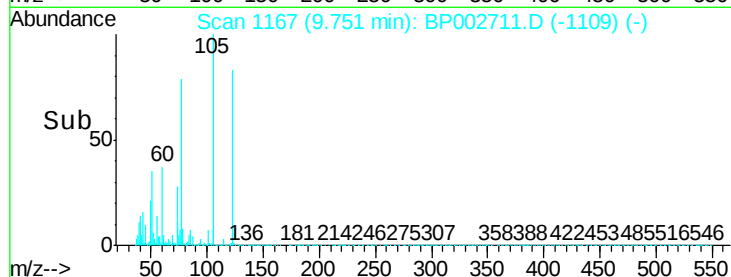
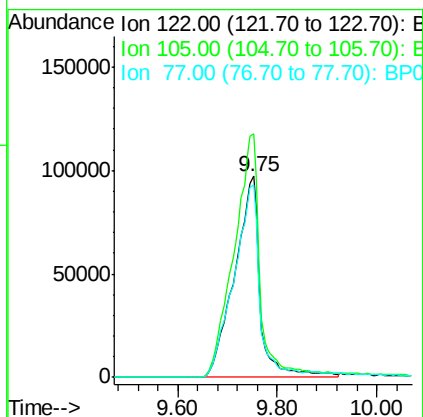
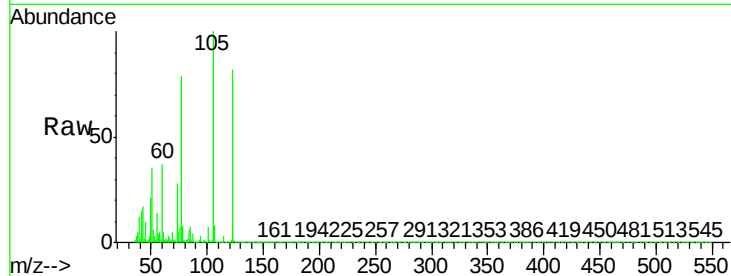




#32
Benzoic acid
Concen: 104.223 ng
RT: 9.75 min Scan# 1167
Delta R.T. 0.04 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

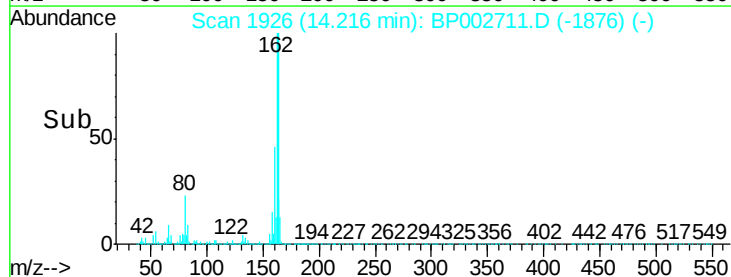
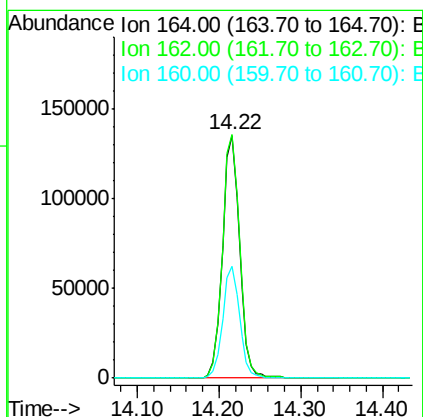
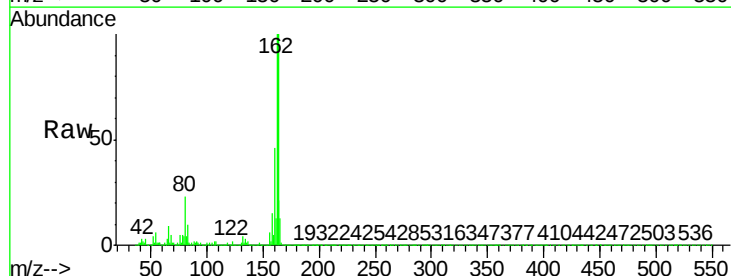
Instrument :
BNA_P
ClientSampleId :
E3-41-COMP-1-FLOOR

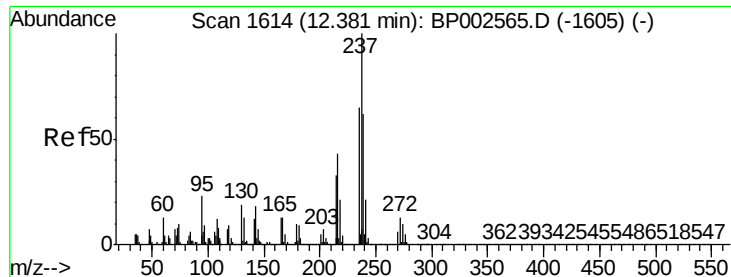
Tot Ion	Ratio	Lower	Upper
122	100		
105	121.3	106.6	146.6
77	95.6	76.5	116.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.3	120.5
160	46.4	35.0	52.6

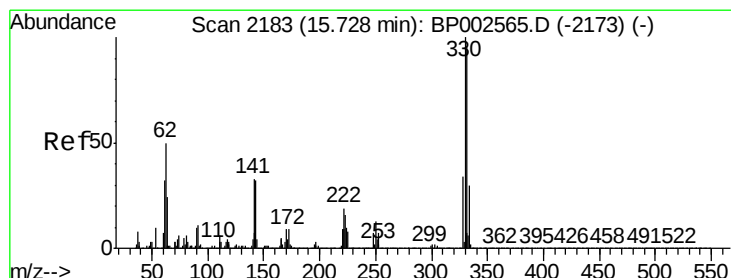
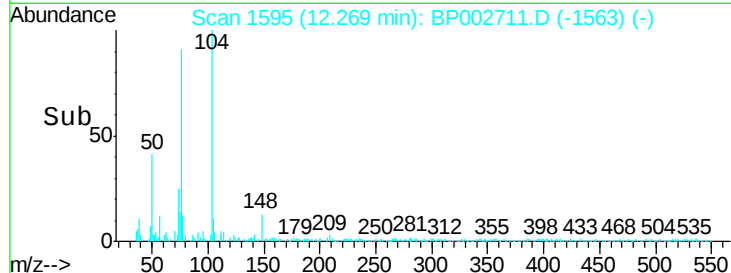
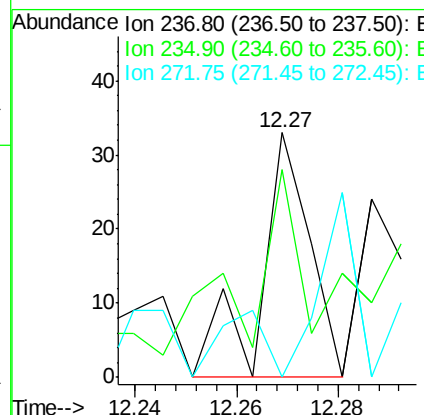
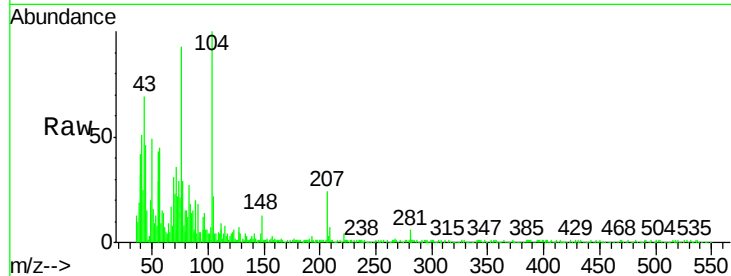




#41
Hexachlorocyclopentadiene
Concen: 4.388 ng
RT: 12.27 min Scan# 1595
Delta R.T. -0.11 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

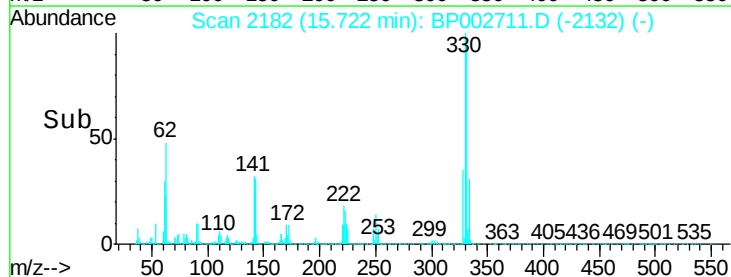
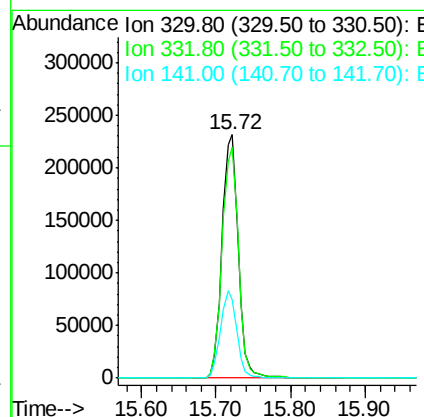
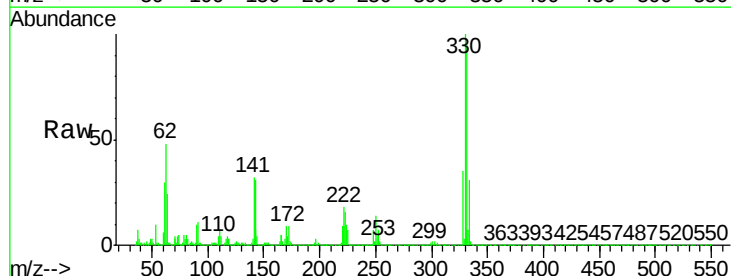
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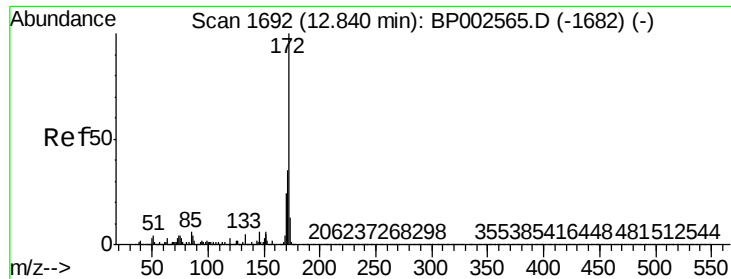
Tot Ion	Ratio	Lower	Upper
237	100		
235	84.8	45.4	85.4
272	0.0	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 145.095 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.7	116.5
141	36.0	29.0	43.6

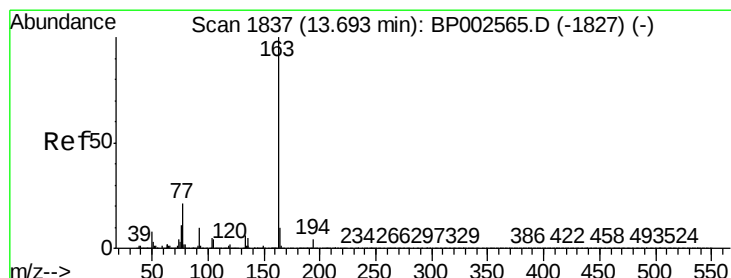
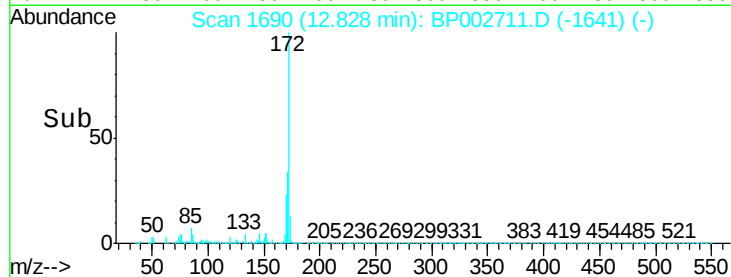
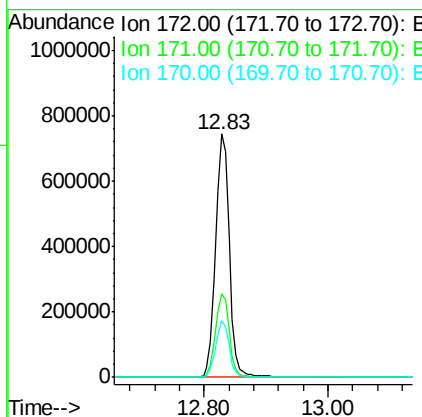
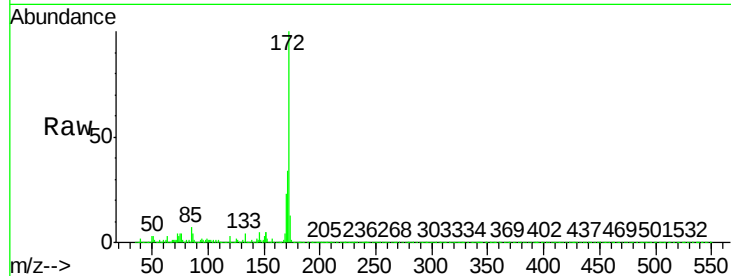




#45
2-Fluorobiphenyl
Concen: 84.584 ng
RT: 12.83 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

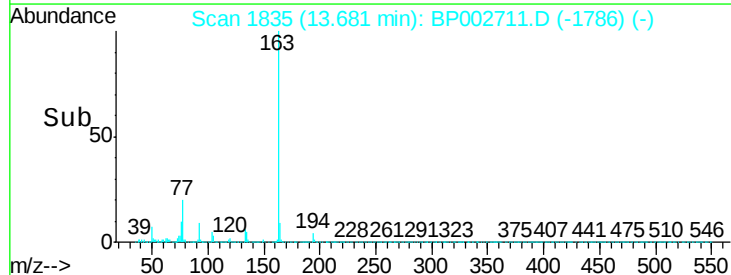
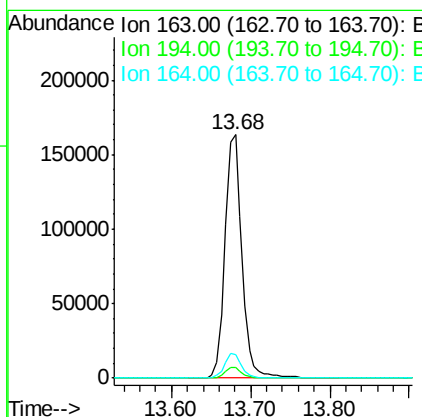
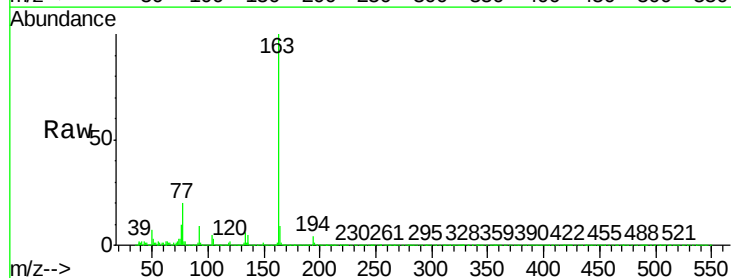
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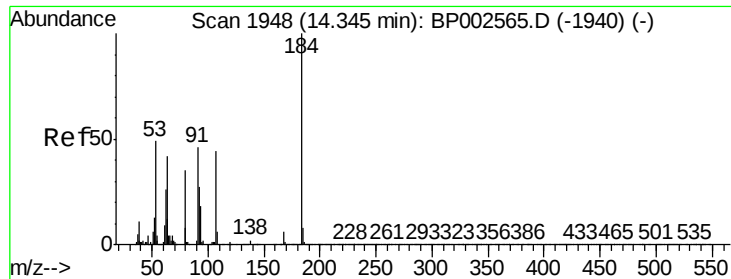
Tot Ion:172 Resp: 1136240
Ion Ratio Lower Upper
172 100
171 34.4 28.0 42.0
170 23.1 19.0 28.4



#50
Dimethylphthalate
Concen: 15.604 ng
RT: 13.68 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

Tgt Ion:163 Resp: 242322
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.4 8.2 12.4

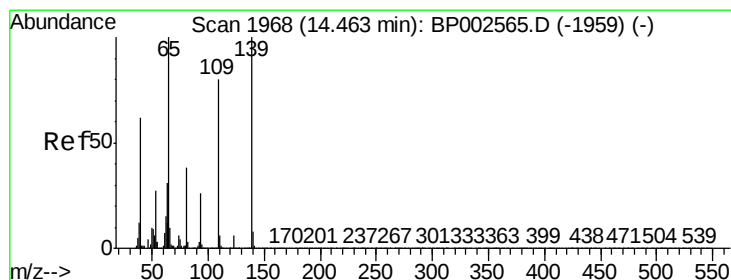
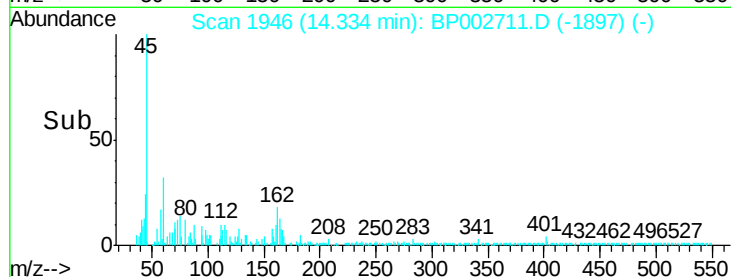
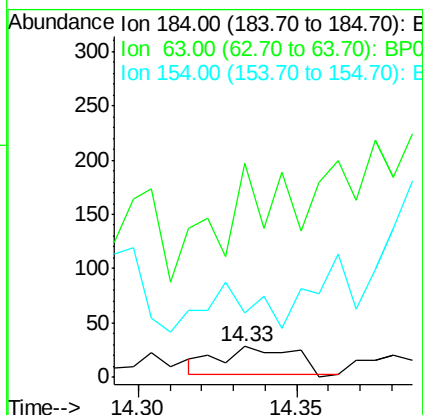
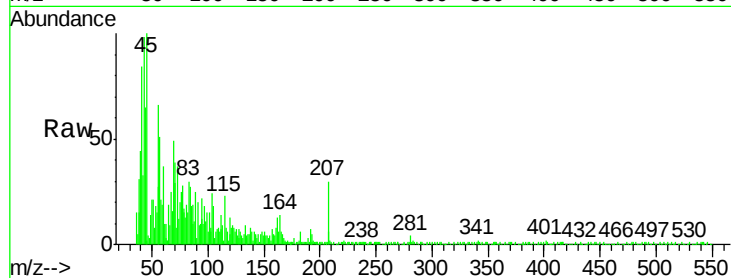




#54
 2,4-Dinitrophenol
 Concen: 6.027 ng
 RT: 14.33 min Scan# 1946
 Delta R.T. -0.01 min
 Lab File: BP002711.D
 Acq: 09 Jul 2020 23:03

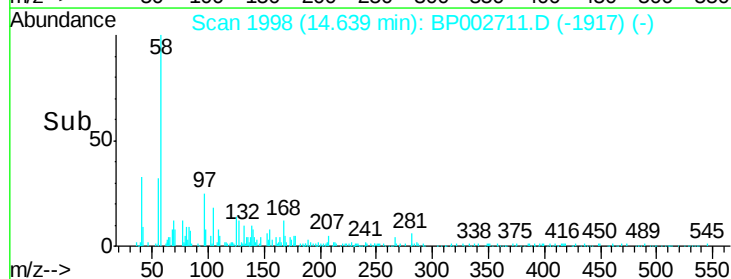
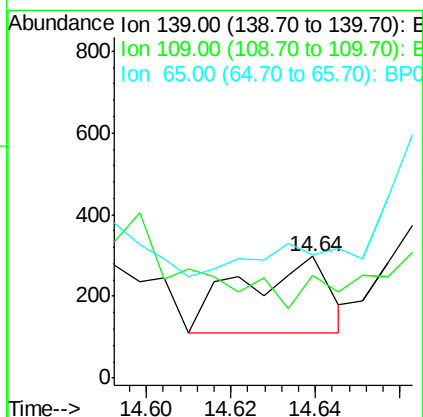
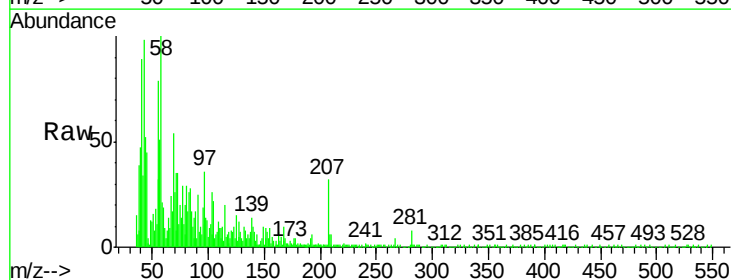
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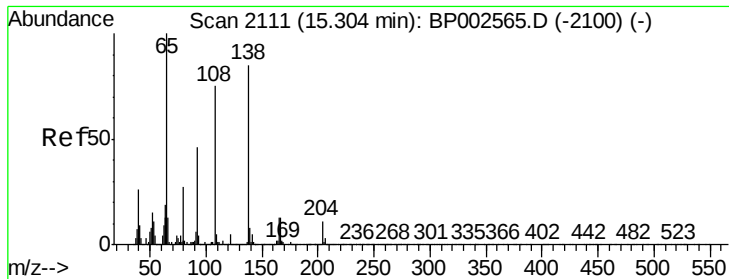
Tot Ion:184 Resp: 41
 Ion Ratio Lower Upper
 184 100
 63 703.6 56.2 84.2#
 154 210.7 50.9 76.3#



#56
 4-Nitrophenol
 Concen: 2.525 ng
 RT: 14.64 min Scan# 1998
 Delta R.T. 0.18 min
 Lab File: BP002711.D
 Acq: 09 Jul 2020 23:03

Tgt Ion:139 Resp: 264
 Ion Ratio Lower Upper
 139 100
 109 84.9 60.1 100.1
 65 101.7 80.3 120.3

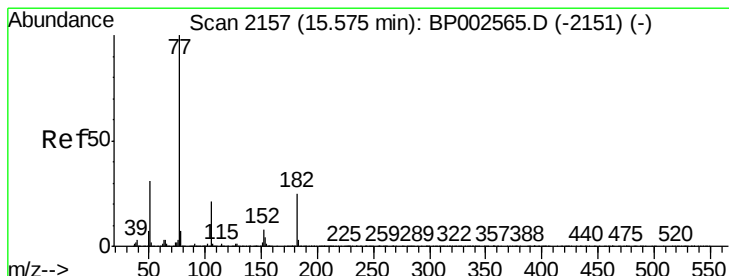
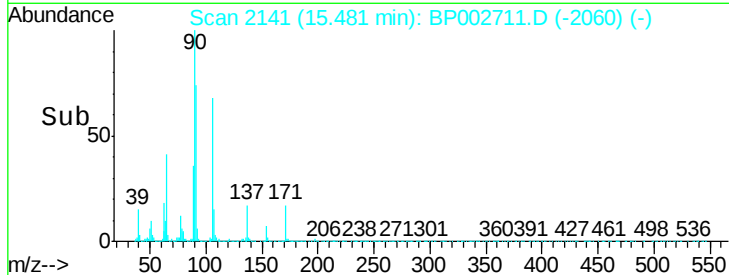
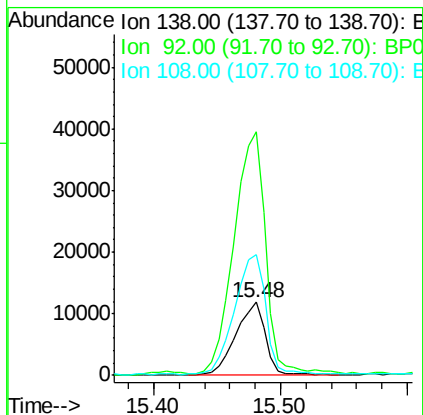
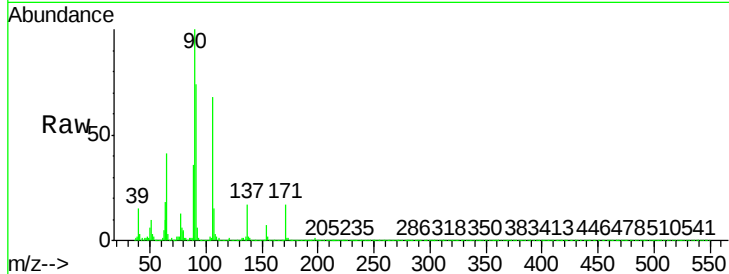




#62
4-Nitroaniline
Concen: 5.192 ng
RT: 15.48 min Scan# 2141
Delta R.T. 0.18 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

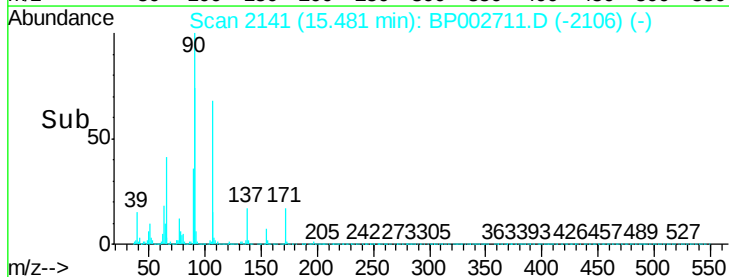
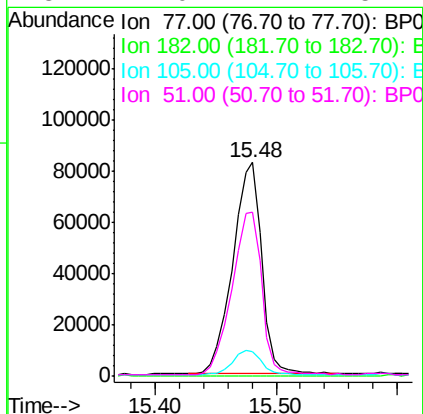
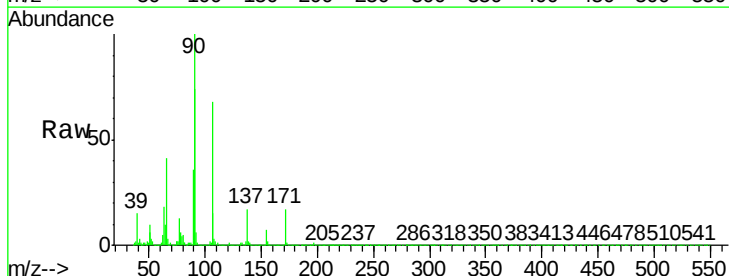
Instrument :
BNA_P
ClientSampleId :
E3-41-COMP-1-FLOOR

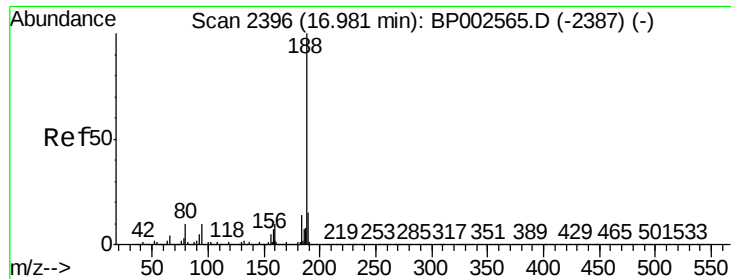
Tot Ion:138 Resp: 18952
Ion Ratio Lower Upper
138 100
92 332.0 33.9 73.9#
108 165.3 67.8 107.8#



#63
Azobenzene
Concen: 9.281 ng
RT: 15.48 min Scan# 2141
Delta R.T. -0.09 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

Tgt Ion: 77 Resp: 138575
Ion Ratio Lower Upper
77 100
182 0.1 4.7 44.7#
105 11.5 0.6 40.6
51 77.0 11.2 51.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BP002711.D

Acq: 09 Jul 2020 23:03

Instrument :

BNA_P

ClientSampleId :

E3-41-COMP-1-FLOOR

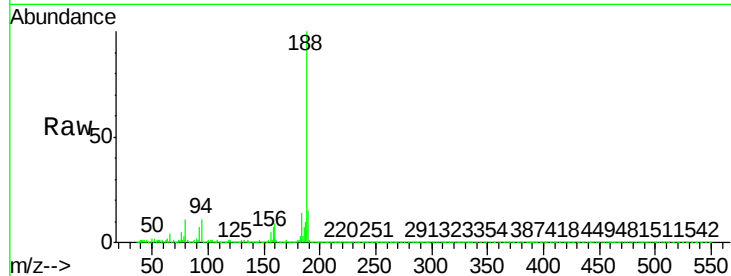
Tot Ion:188 Resp: 522718

Ion Ratio Lower Upper

188 100

94 11.1 7.8 11.6

80 10.8 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

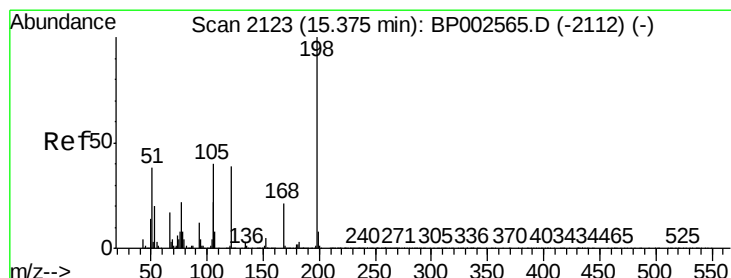
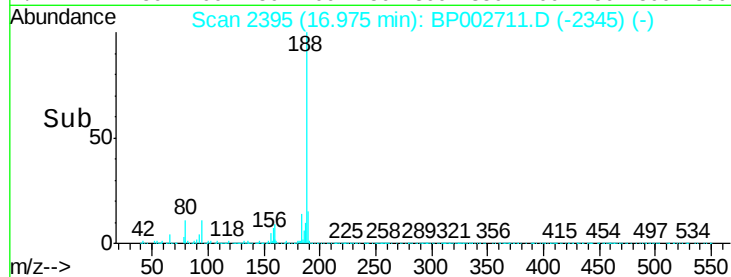
300000

200000

100000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 2.994 ng

RT: 15.47 min Scan# 2140

Delta R.T. 0.10 min

Lab File: BP002711.D

Acq: 09 Jul 2020 23:03

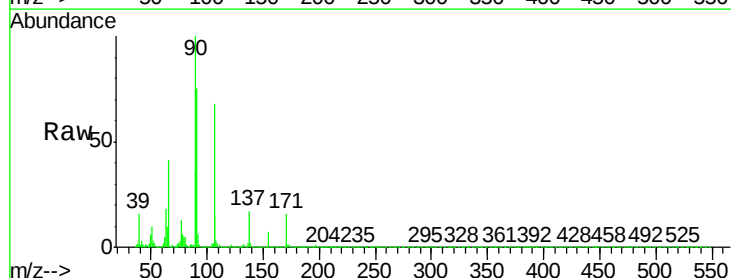
Tgt Ion:198 Resp: 1014

Ion Ratio Lower Upper

198 100

51 9323.9 24.2 64.2#

105 1452.4 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

80000

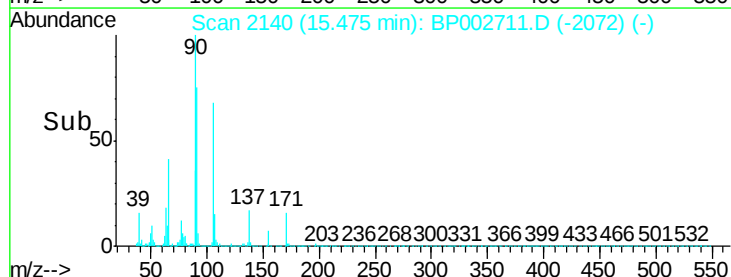
60000

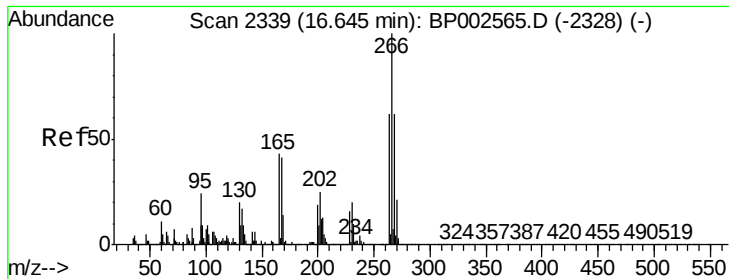
40000

20000

0

Time-->

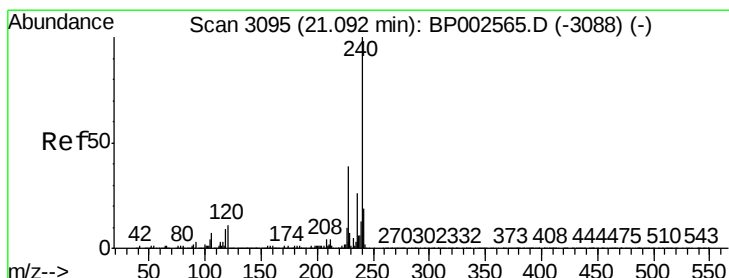
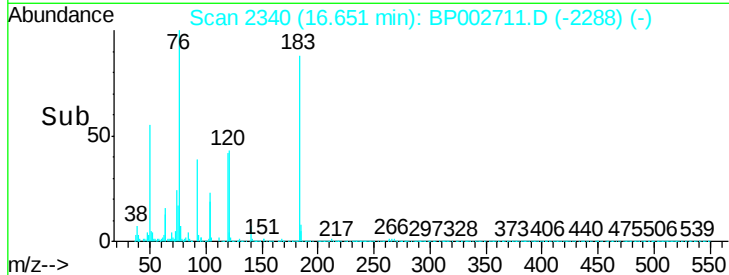
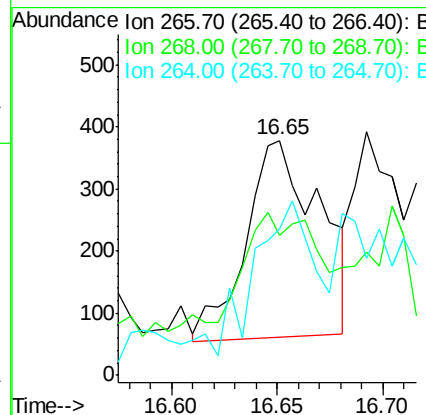
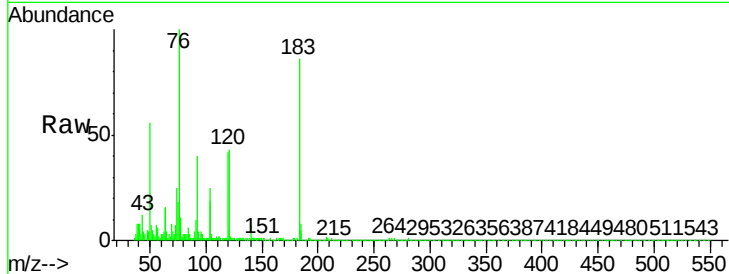




#70
 Pentachlorophenol
 Concen: 2.869 ng
 RT: 16.65 min Scan# 2340
 Delta R.T. 0.01 min
 Lab File: BP002711.D
 Acq: 09 Jul 2020 23:03

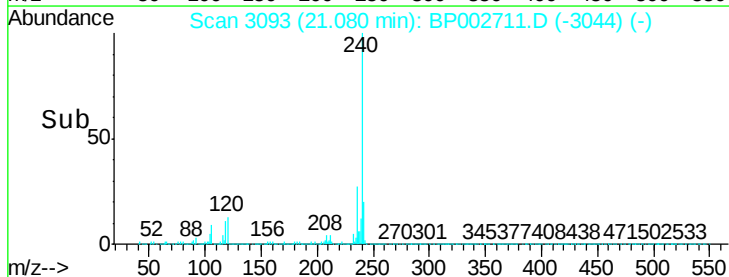
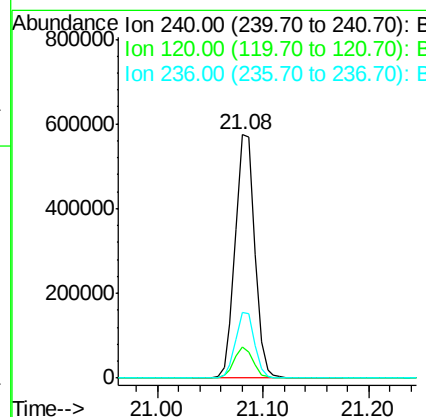
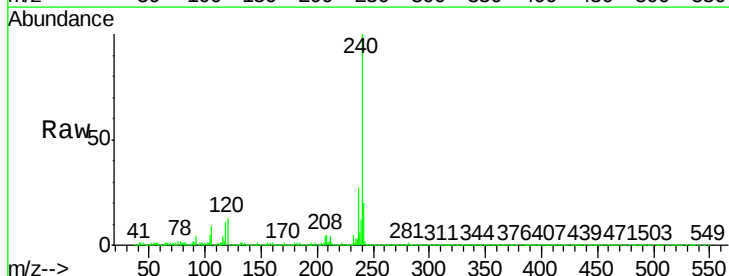
Instrument :
 BNA_P
 ClientSampleId :
 E3-41-COMP-1-FLOOR

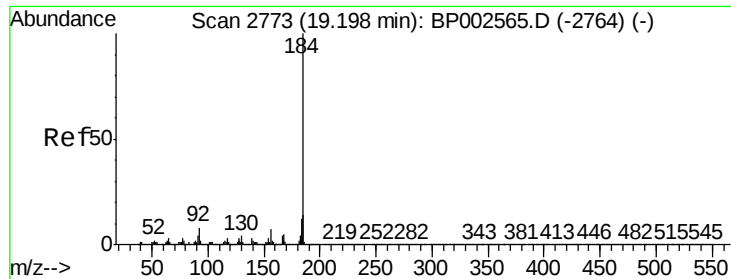
Tot Ion:266 Resp: 771
 Ion Ratio Lower Upper
 266 100
 268 59.8 49.7 74.5
 264 62.4 49.3 73.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.08 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BP002711.D
 Acq: 09 Jul 2020 23:03

Tgt Ion:240 Resp: 729867
 Ion Ratio Lower Upper
 240 100
 120 12.9 8.6 13.0
 236 27.2 20.8 31.2





#77

Benzidine

Concen: 3.973 ng

RT: 19.15 min Scan# 2765

Delta R.T. -0.05 min

Lab File: BP002711.D

Acq: 09 Jul 2020 23:03

Instrument :

BNA_P

ClientSampleId :

E3-41-COMP-1-FLOOR

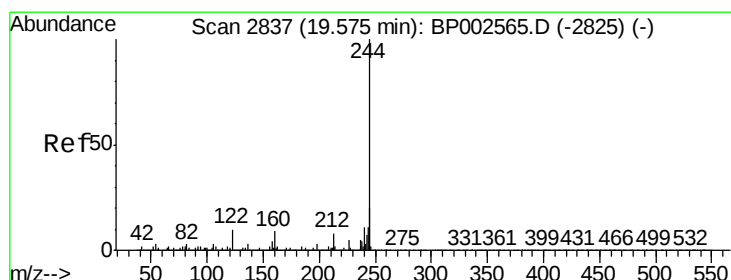
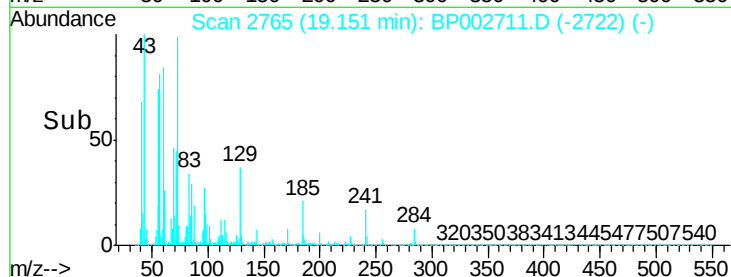
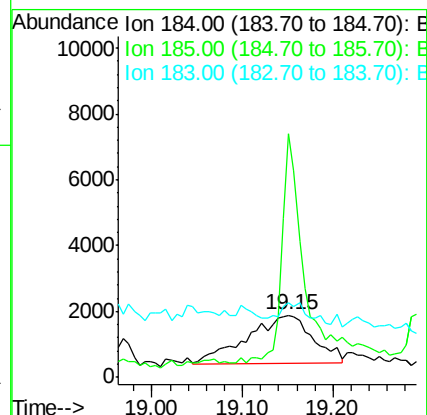
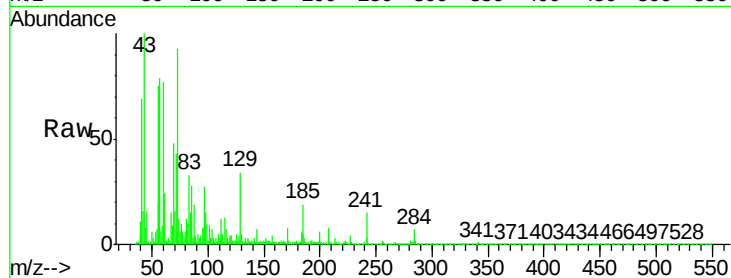
Tot Ion:184 Resp: 7341

Ion Ratio Lower Upper

184 100

185 390.0 11.4 17.2#

183 119.3 9.2 13.8#



#79

Terphenyl-d14

Concen: 78.611 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP002711.D

Acq: 09 Jul 2020 23:03

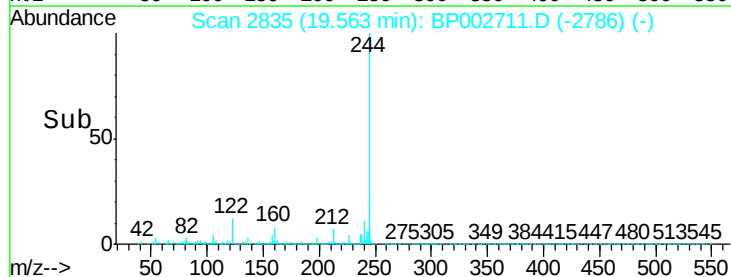
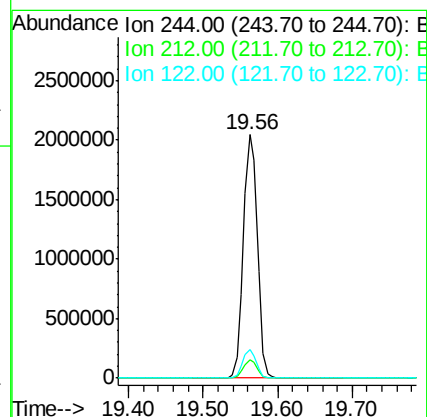
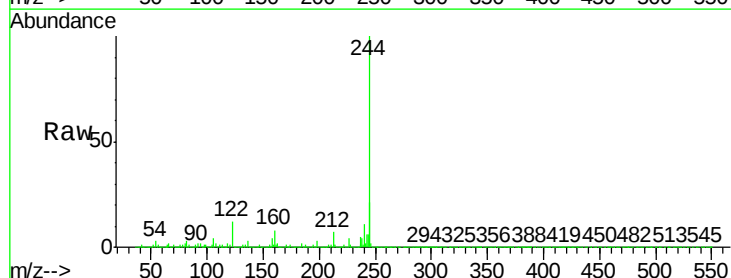
Tgt Ion:244 Resp: 2658156

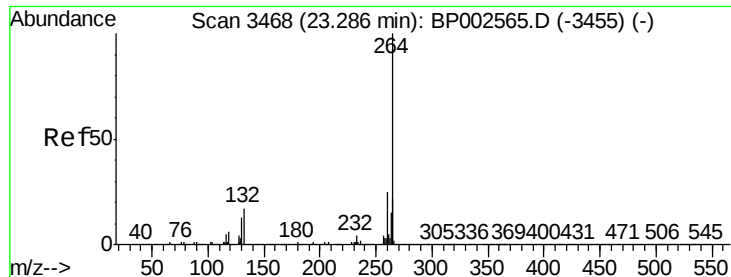
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 11.6 7.9 11.9

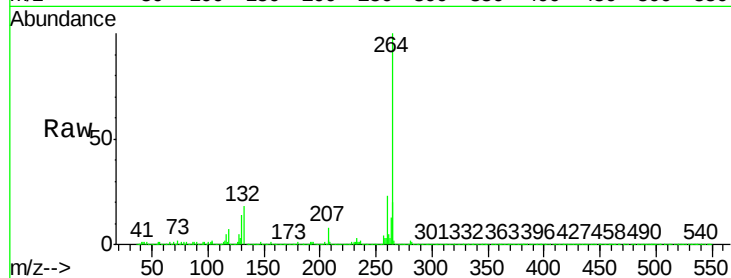




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3466
Delta R.T. -0.01 min
Lab File: BP002711.D
Acq: 09 Jul 2020 23:03

Instrument :
BNA_P
ClientSampleId :
E3-41-COMP-1-FLOOR

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.7	29.5
265	20.5	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

