

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070920\
 Data File : BP002712.D
 Acq On : 09 Jul 2020 23:37
 Operator : CG/JU
 Sample : L3217-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E3-41-VAT

Quant Time: Jul 10 00:45:30 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	91538	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	426220	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	295881	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	724547	20.00	ng	0.00
76) Chrysene-d12	21.08	240	901319	20.00	ng	-0.01
86) Perylene-d12	23.27	264	1111410	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	754806	139.61	ng	0.00
7) Phenol-d6	6.77	99	1237412	163.98	ng	0.00
23) Nitrobenzene-d5	8.71	82	709315	85.75	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	509795	141.66	ng	-0.01
45) 2-Fluorobiphenyl	12.83	172	1736889	86.40	ng	-0.01
79) Terphenyl-d14	19.57	244	2816349	67.45	ng	0.00

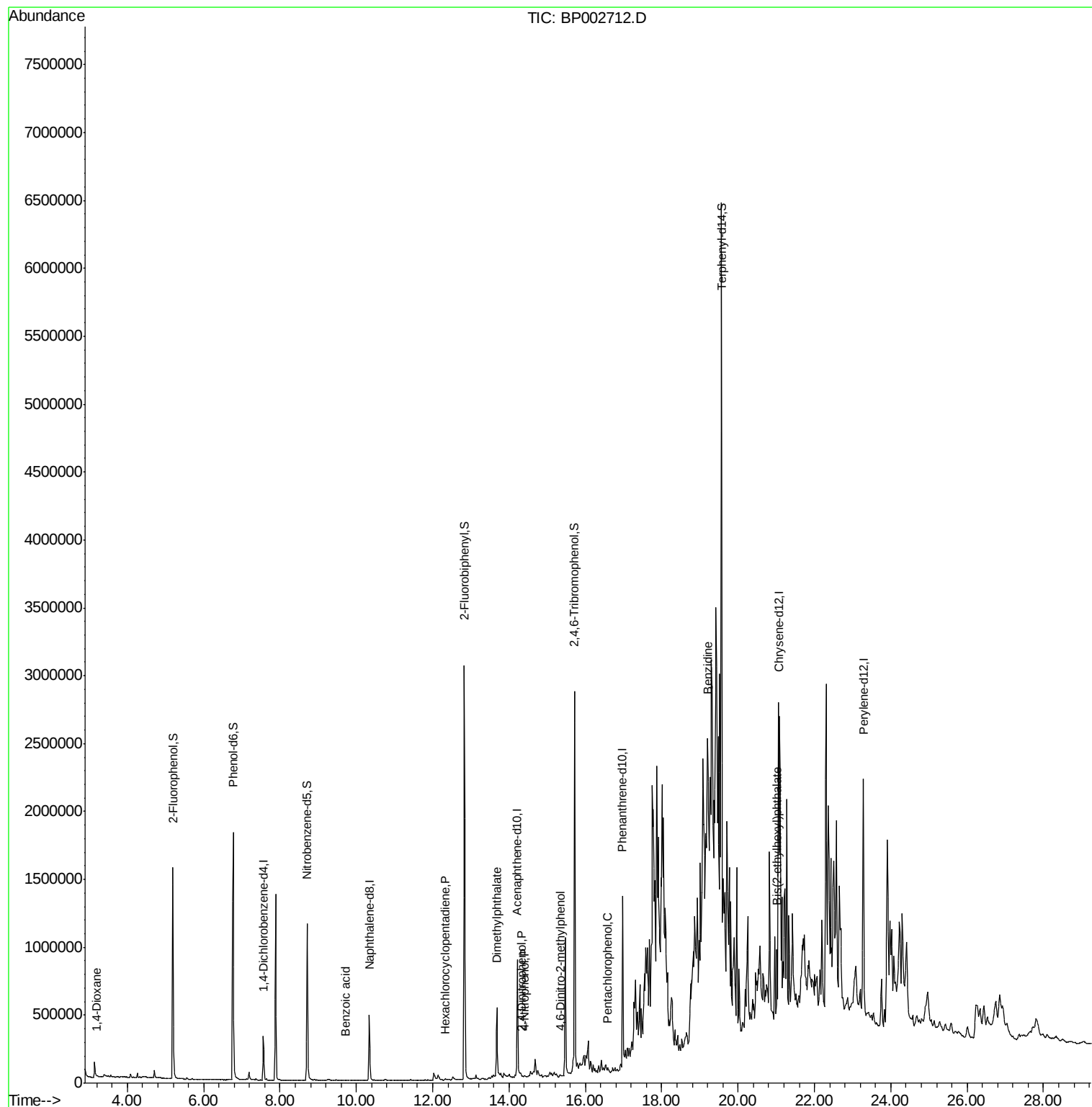
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	27170	11.725	ng	# 84
9) Benzaldehyde	6.71	77	232	Below Cal		# 49
32) Benzoic acid	9.71	122	102	8.717	ng	# 79
41) Hexachlorocyclopentadiene	12.34	237	7	4.383	ng	# 79
50) Dimethylphthalate	13.68	163	359488	15.469	ng	# 99
54) 2,4-Dinitrophenol	14.34	184	9	6.012	ng	# 1
56) 4-Nitrophenol	14.40	139	297	2.503	ng	# 89
65) 4,6-Dinitro-2-methylphenol	15.35	198	46	2.719	ng	# 1
70) Pentachlorophenol	16.59	266	19	2.665	ng	# 88
77) Benzidine	19.19	184	995	3.780	ng	# 1
84) Bis(2-ethylhexyl)phthalate	21.02	149	187047	4.863	ng	# 99

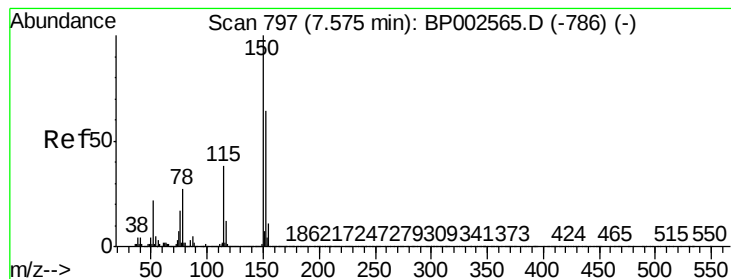
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BP002712.D

Acq: 09 Jul 2020 23:37

Instrument :

BNA_P

ClientSampleId :

E3-41-VAT

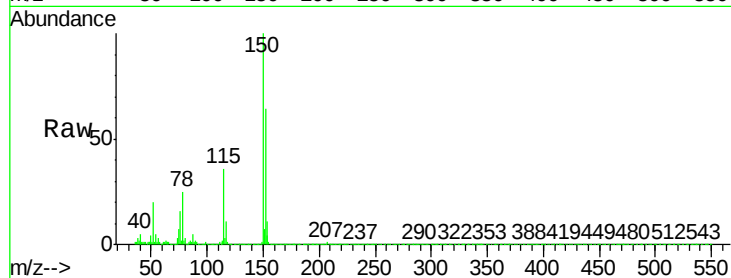
Tot Ion:152 Resp: 91538

Ion Ratio Lower Upper

152 100

150 156.6 124.2 186.2

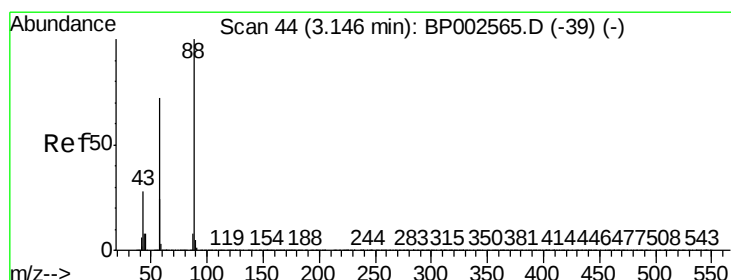
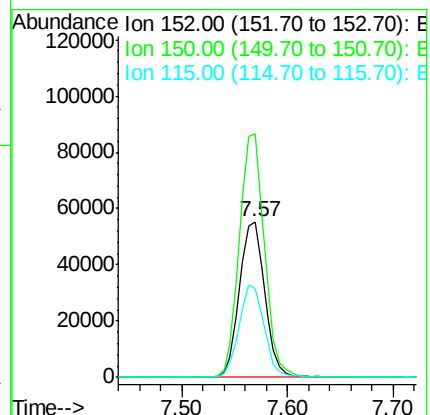
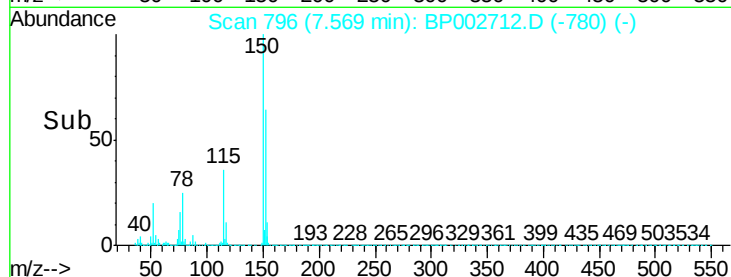
115 56.9 47.1 70.7



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



#2

1,4-Dioxane

Concen: 11.725 ng

RT: 3.21 min Scan# 55

Delta R.T. 0.06 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

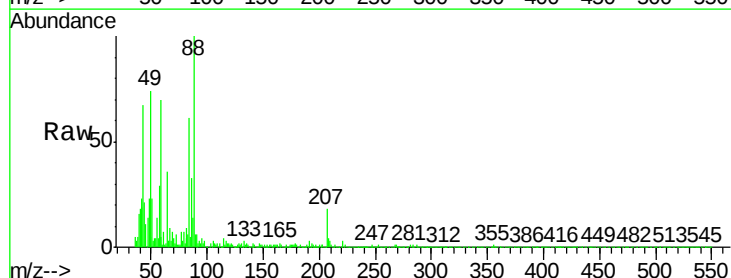
Tgt Ion: 88 Resp: 27170

Ion Ratio Lower Upper

88 100

58 72.4 58.1 87.1

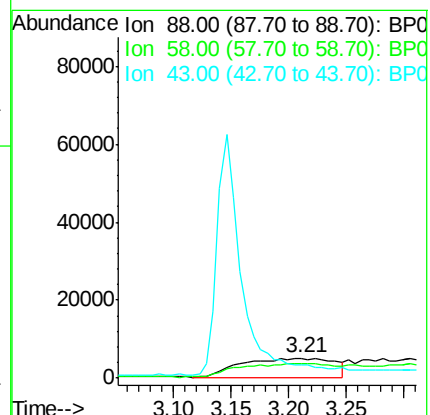
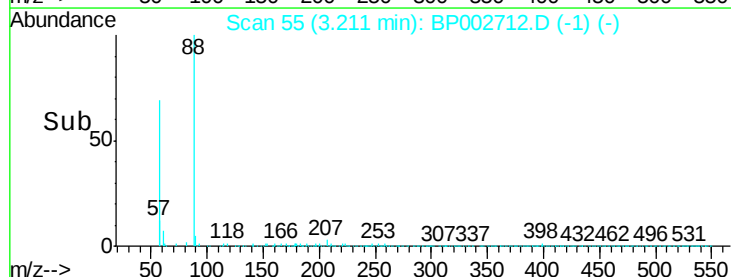
43 0.0 23.2 34.8#

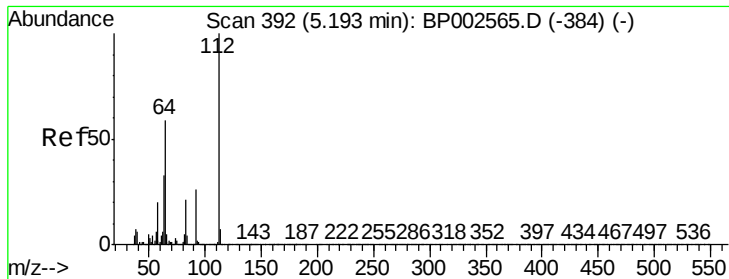


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0





#5

2-Fluorophenol

Concen: 139.611 ng

RT: 5.19 min Scan# 392

Delta R.T. -0.00 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

Instrument :

BNA_P

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E3-41-VAT

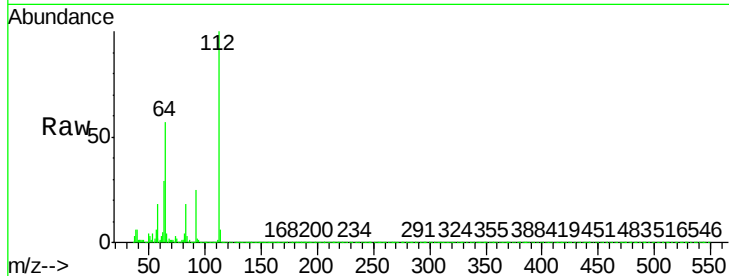
Tot Ion:112 Resp: 754806

Ion Ratio Lower Upper

112 100

64 57.0 47.0 70.6

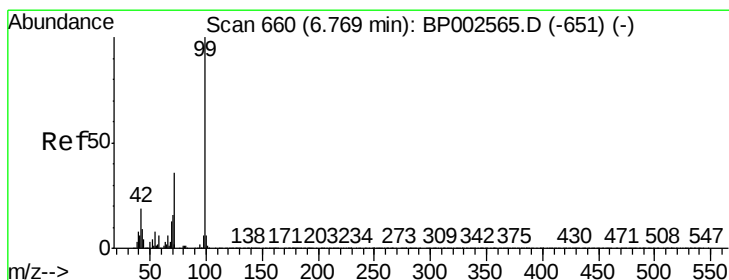
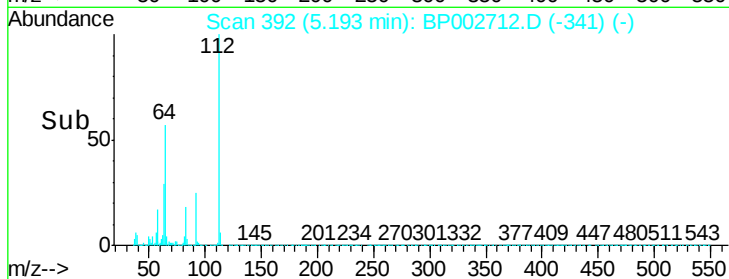
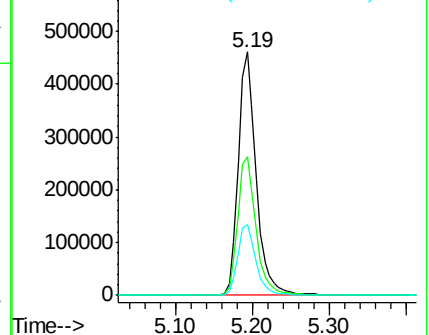
63 29.1 26.1 39.1



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: 163.981 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.00 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

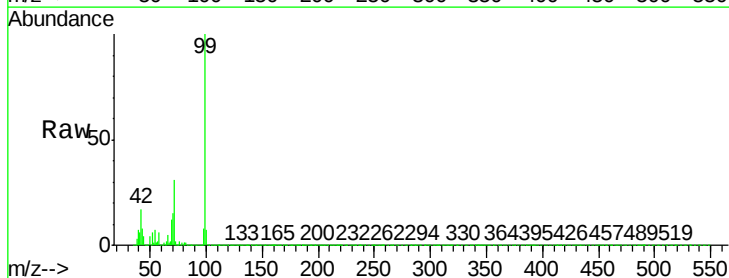
Tgt Ion: 99 Resp: 1237412

Ion Ratio Lower Upper

99 100

42 16.7 15.5 23.3

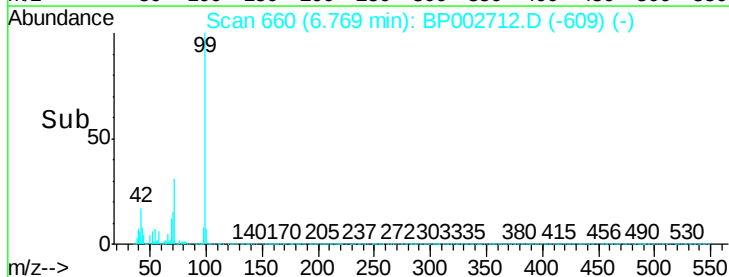
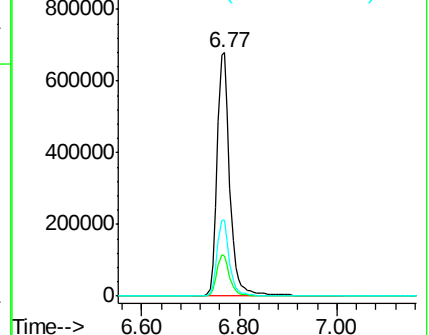
71 31.3 28.9 43.3

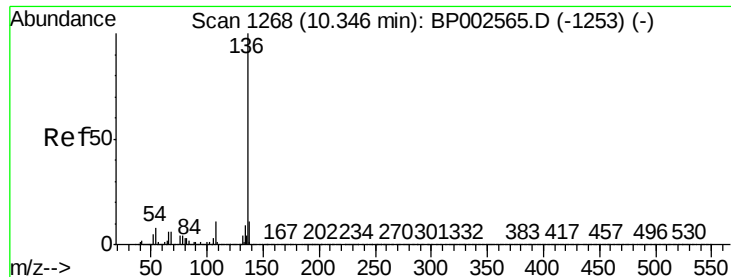


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

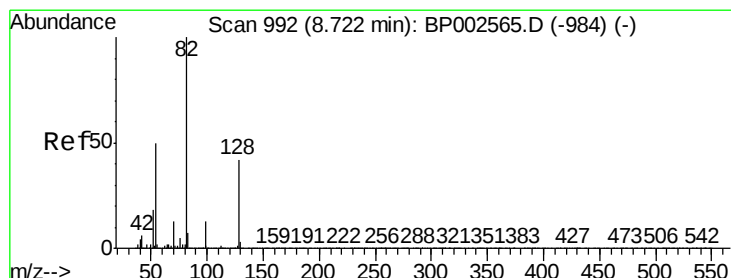
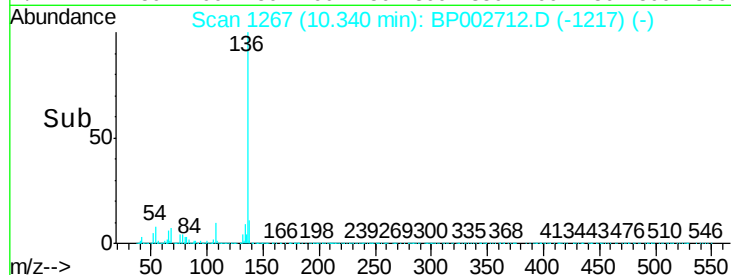
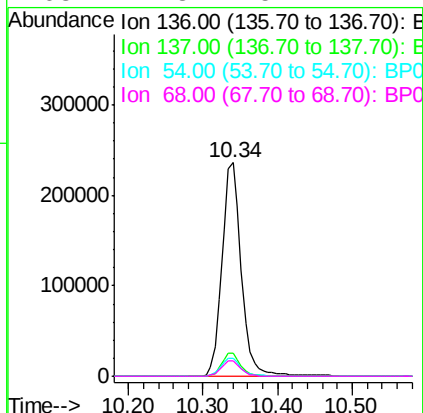
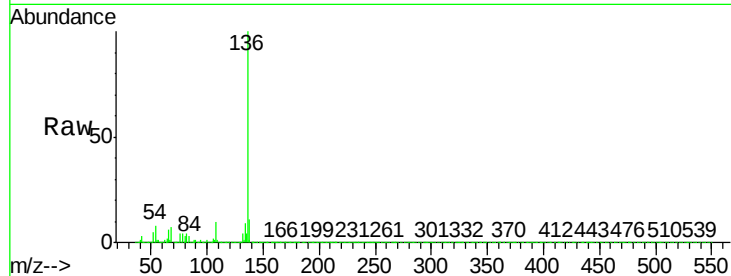




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

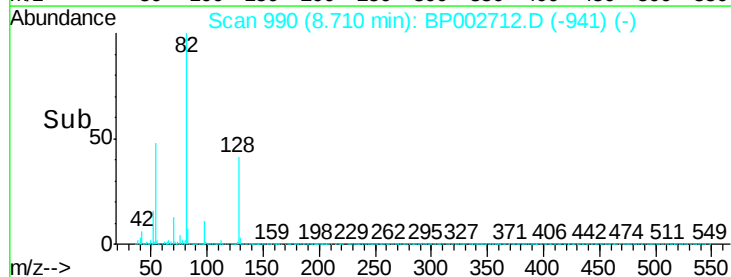
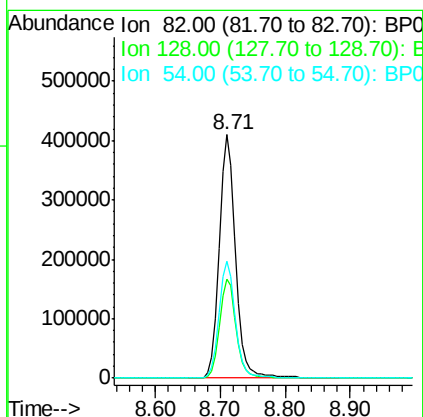
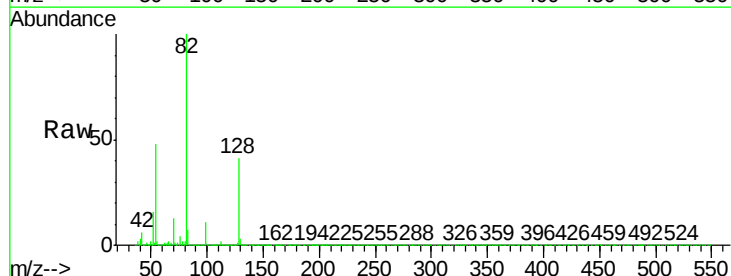
Instrument :
BNA_P
ClientSampleId :
E3-41-VAT

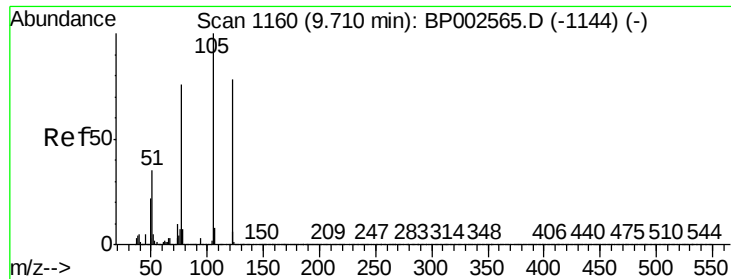
Tot Ion:136	Resp:	426220
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	8.4	6.4 9.6
68	7.3	5.1 7.7



#23
Nitrobenzene-d5
Concen: 85.748 ng
RT: 8.71 min Scan# 990
Delta R.T. -0.01 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

Tgt Ion: 82	Resp:	709315
Ion	Ratio	Lower Upper
82	100	
128	40.7	33.4 50.2
54	48.1	40.1 60.1

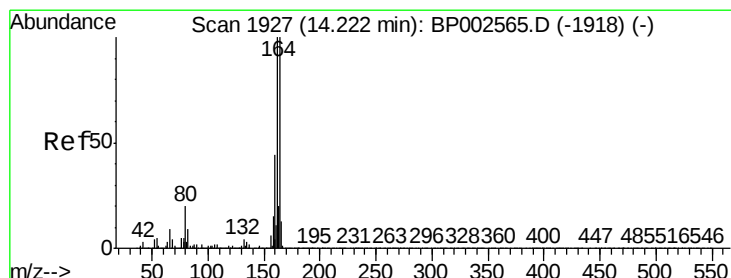
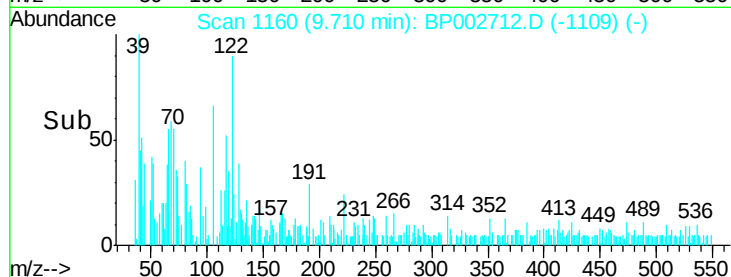
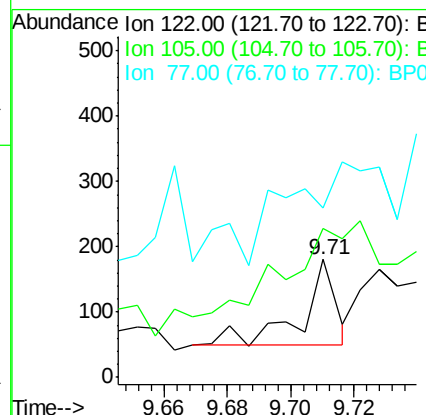
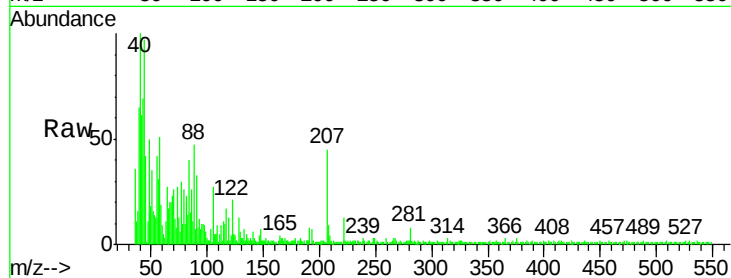




#32
Benzoic acid
Concen: 8.717 ng
RT: 9.71 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

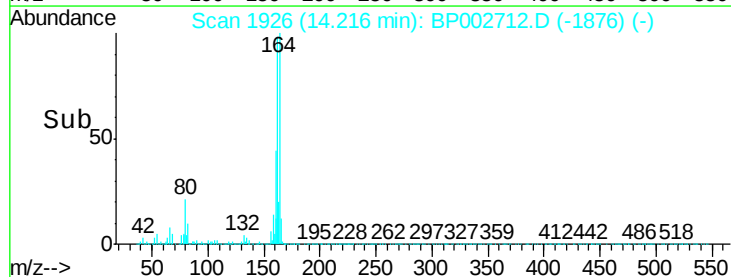
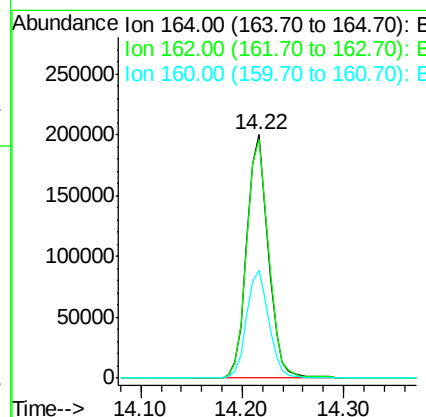
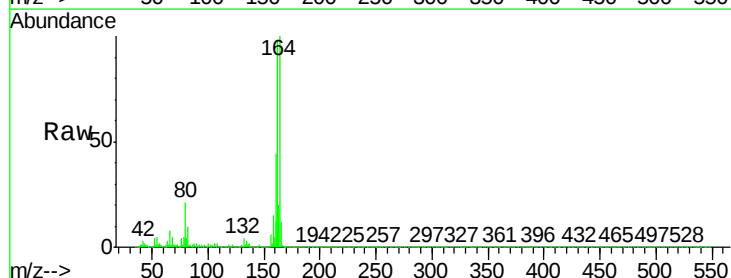
Instrument :
BNA_P
ClientSampled :
E3-41-VAT

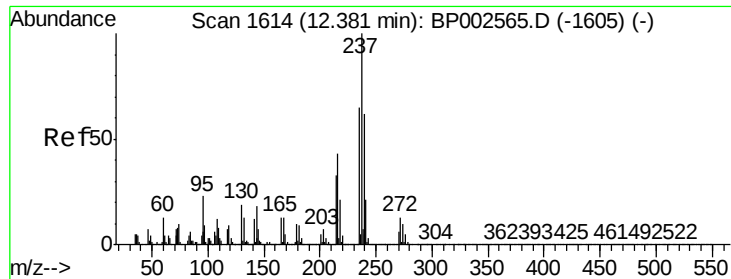
Tot Ion:122 Resp: 102
Ion Ratio Lower Upper
122 100
105 126.0 106.6 146.6
77 143.6 76.5 116.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

Tgt Ion:164 Resp: 295881
Ion Ratio Lower Upper
164 100
162 98.0 80.3 120.5
160 44.1 35.0 52.6





#41

Hexachlorocyclopentadiene

Concen: 4.383 ng

RT: 12.34 min Scan# 1607

Delta R.T. -0.04 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

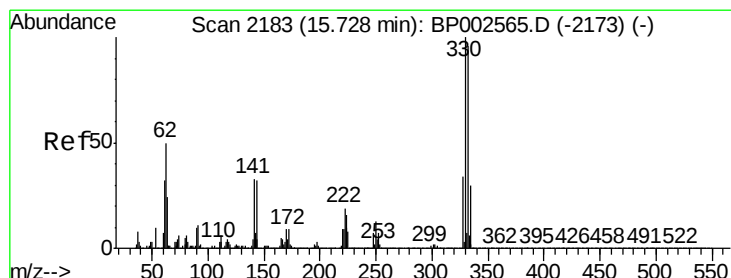
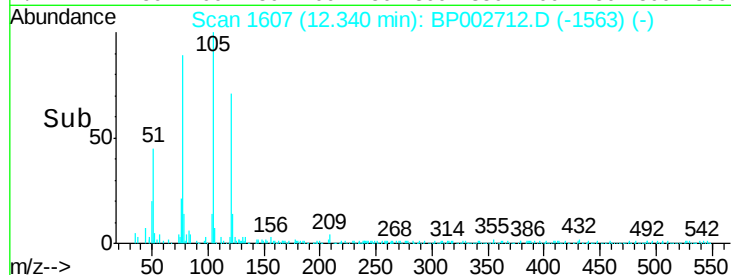
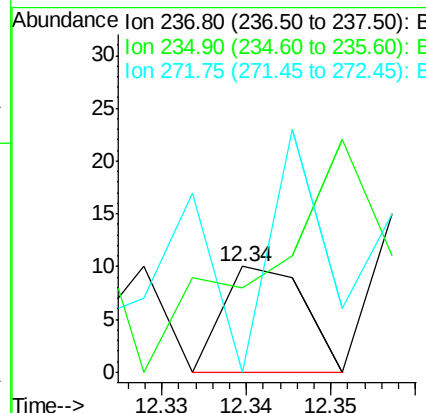
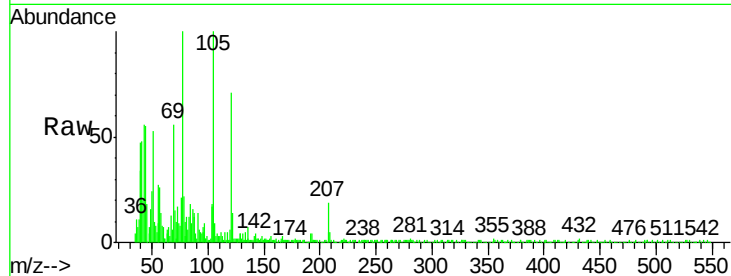
Instrument :

BNA_P

ClientSampleId :

E3-41-VAT

Tot Ion:	237	Resp:	7
Ion	Ratio	Lower	Upper
237	100		
235	80.0	45.4	85.4
272	0.0	0.0	32.6



#42

2,4,6-Tribromophenol

Concen: 141.659 ng

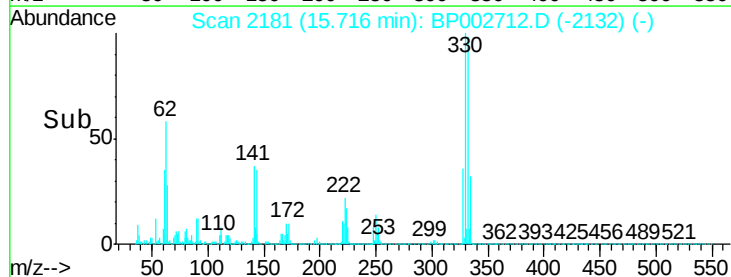
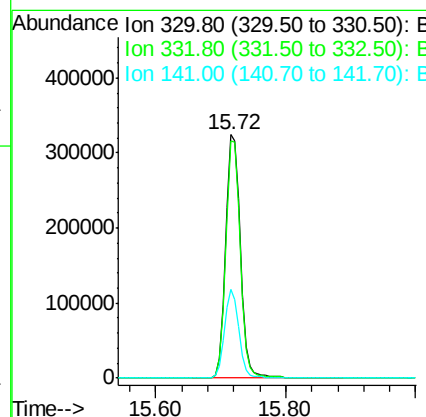
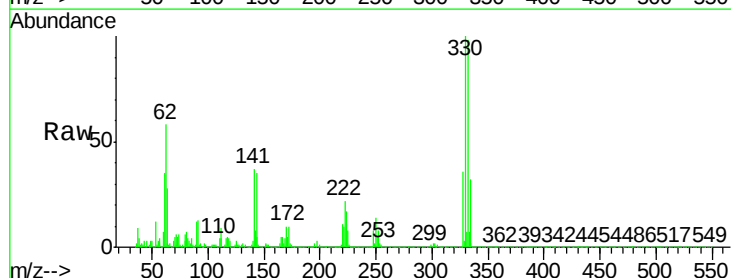
RT: 15.72 min Scan# 2181

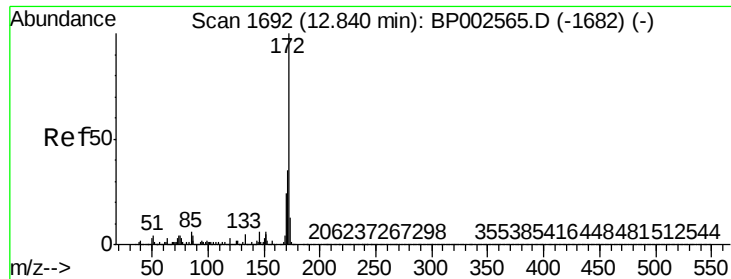
Delta R.T. -0.01 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

Tgt Ion:	330	Resp:	509795
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.7	116.5
141	35.5	29.0	43.6

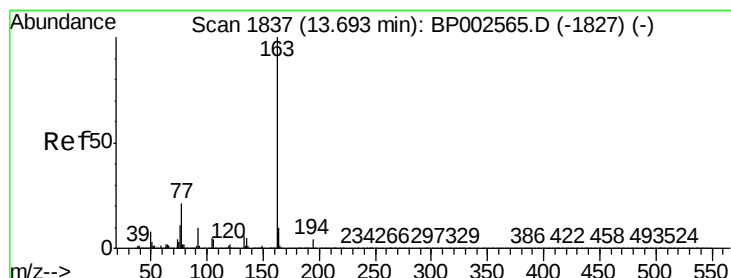
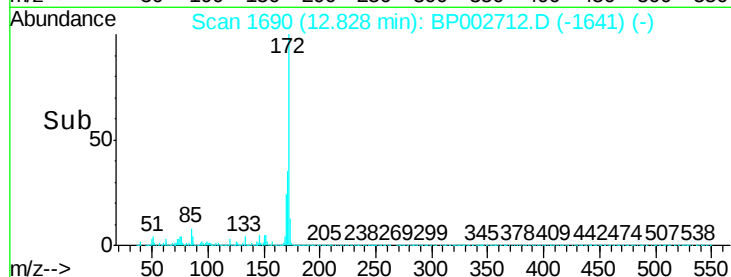
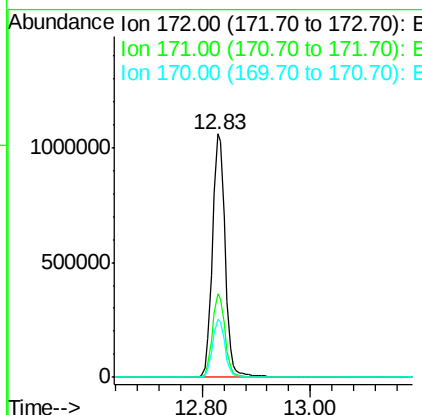
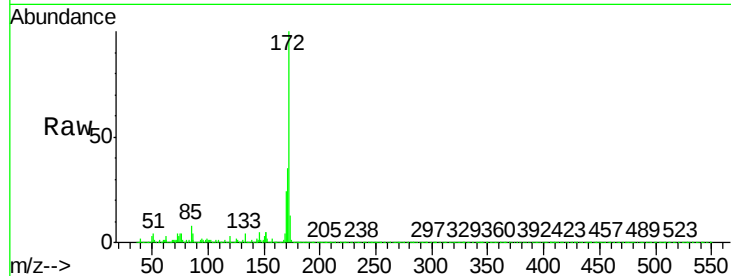




#45
2-Fluorobiphenyl
Concen: 86.400 ng
RT: 12.83 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

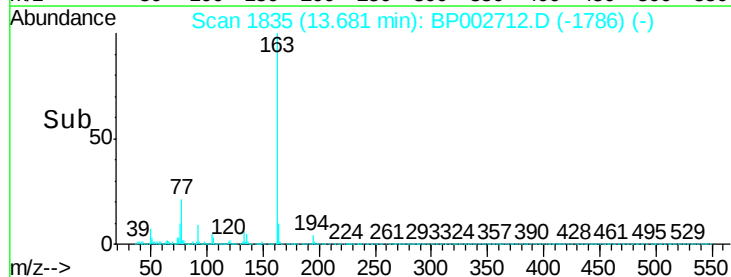
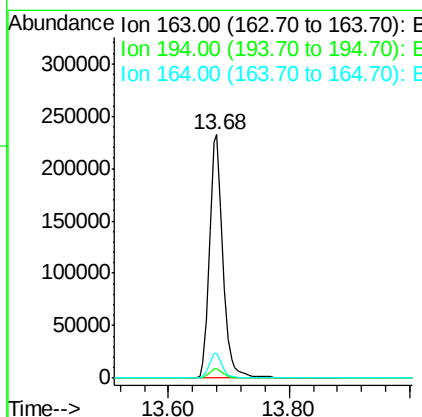
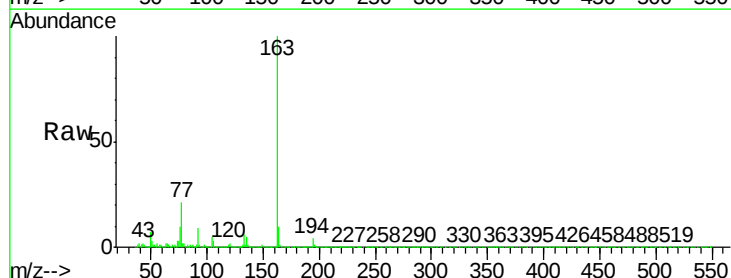
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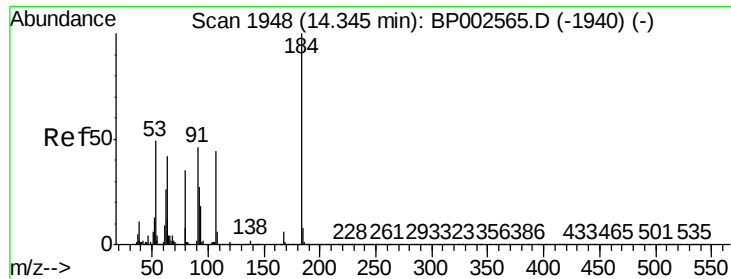
Tot Ion:172 Resp: 1736889
Ion Ratio Lower Upper
172 100
171 34.5 28.0 42.0
170 23.6 19.0 28.4



#50
Dimethylphthalate
Concen: 15.469 ng
RT: 13.68 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

Tgt Ion:163 Resp: 359488
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.9 8.2 12.4

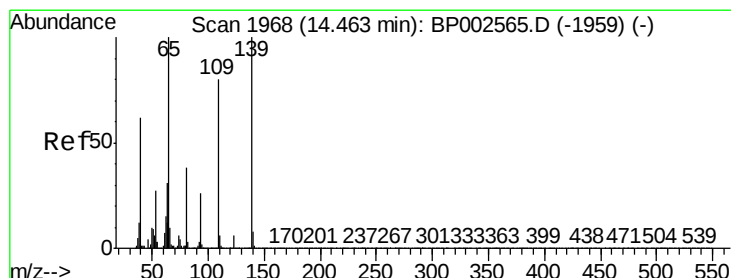
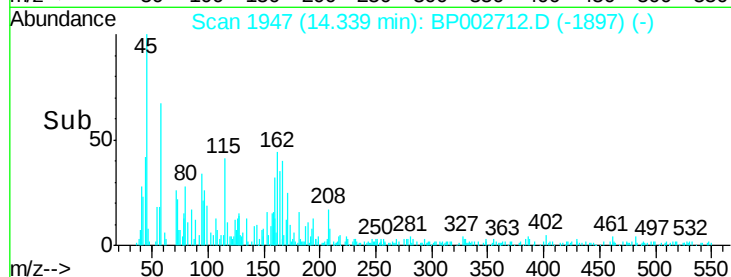
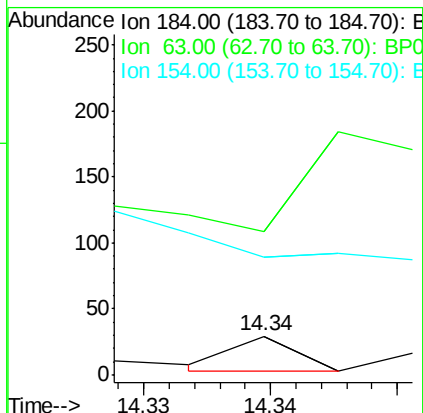
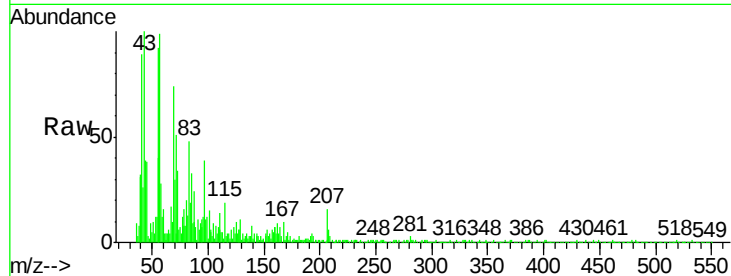




#54
2,4-Dinitrophenol
Concen: 6.012 ng
RT: 14.34 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

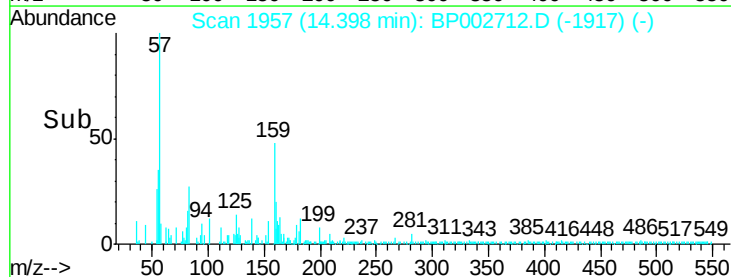
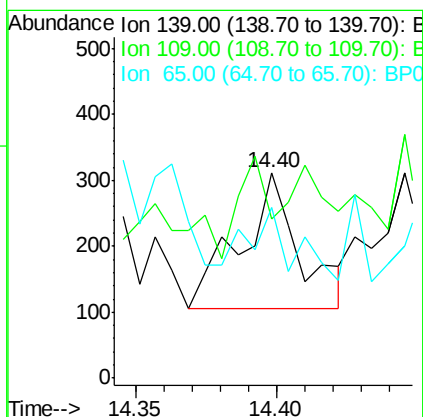
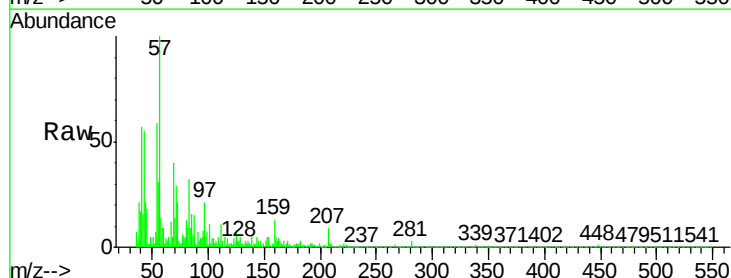
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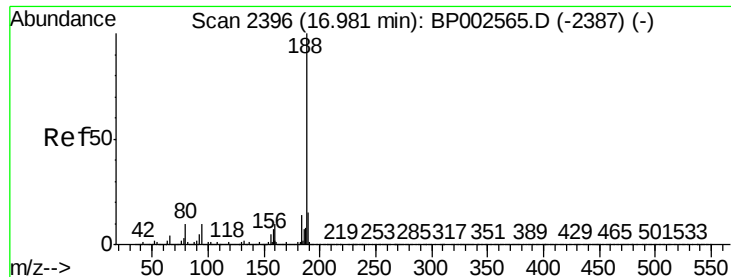
Tot Ion:184 Resp: 9
Ion Ratio Lower Upper
184 100
63 375.9 56.2 84.2#
154 306.9 50.9 76.3#



#56
4-Nitrophenol
Concen: 2.503 ng
RT: 14.40 min Scan# 1957
Delta R.T. -0.06 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

Tgt Ion:139 Resp: 297
Ion Ratio Lower Upper
139 100
109 77.2 60.1 100.1
65 83.0 80.3 120.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

Instrument :

BNA_P

ClientSampleId :

E3-41-VAT

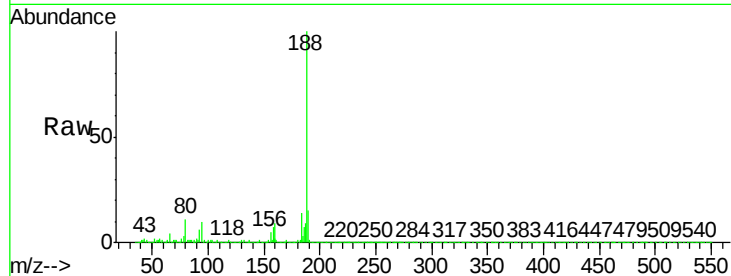
Tot Ion:188 Resp: 724547

Ion Ratio Lower Upper

188 100

94 10.2 7.8 11.6

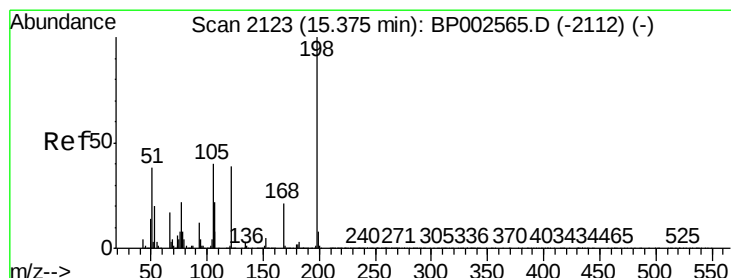
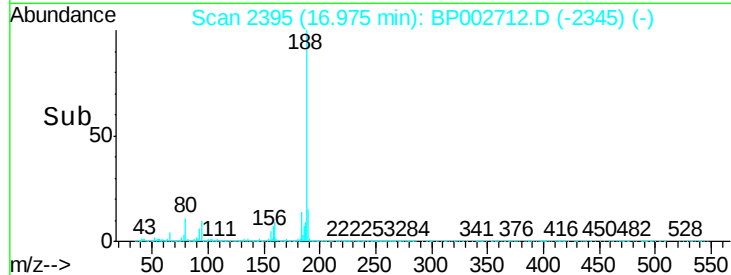
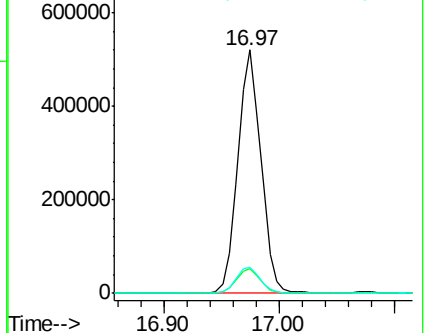
80 10.9 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 2.719 ng

RT: 15.35 min Scan# 2119

Delta R.T. -0.02 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

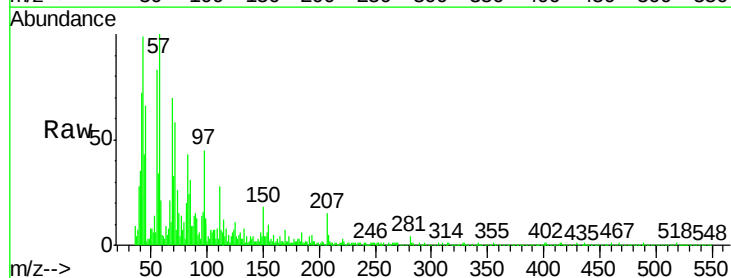
Tgt Ion:198 Resp: 46

Ion Ratio Lower Upper

198 100

51 1020.8 24.2 64.2#

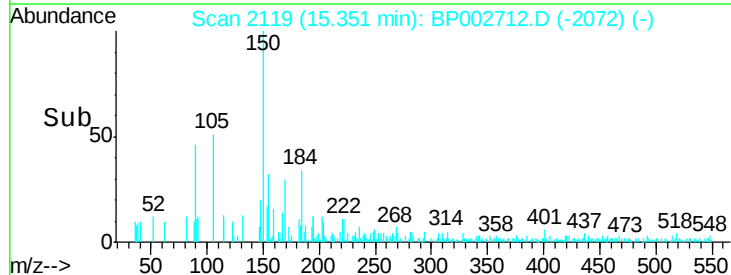
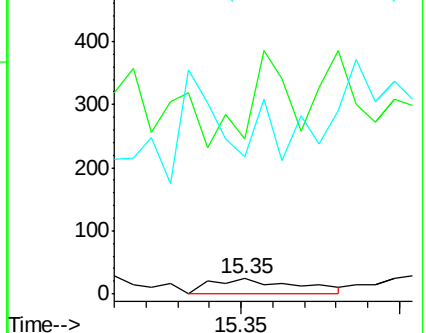
105 904.2 20.7 60.7#

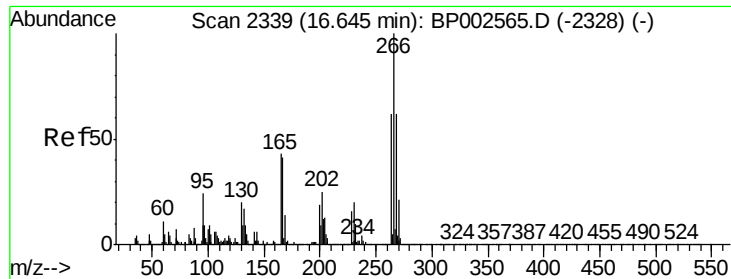


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

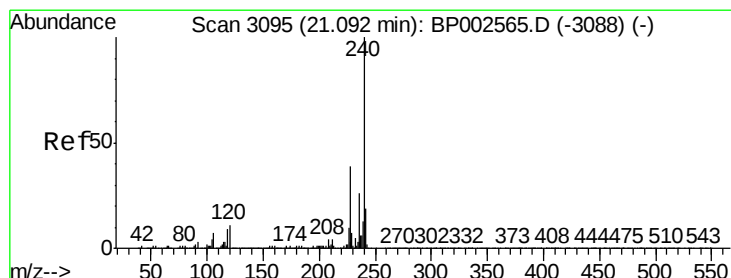
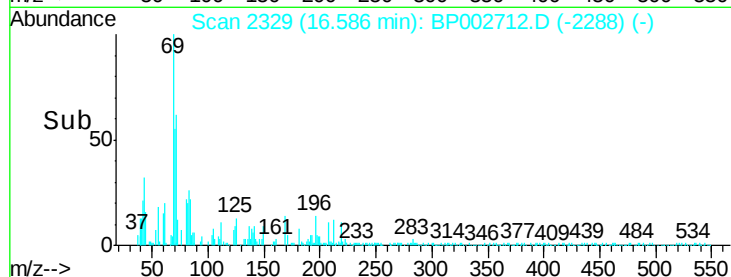
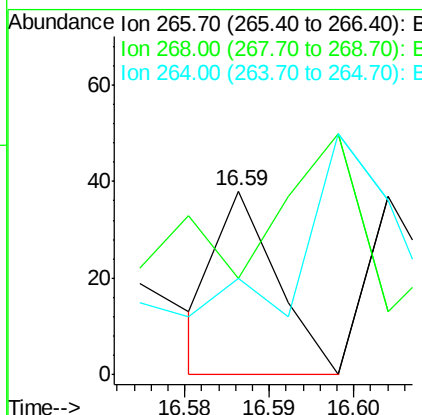
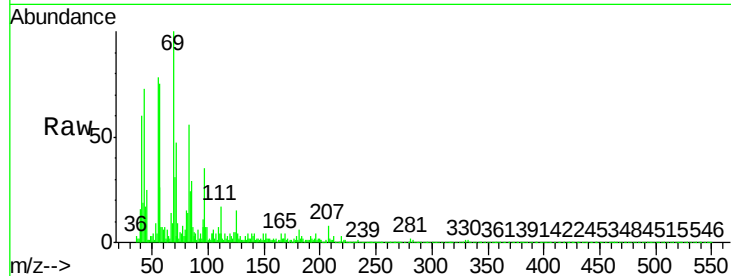




#70
Pentachlorophenol
Concen: 2.665 ng
RT: 16.59 min Scan# 2329
Delta R.T. -0.06 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

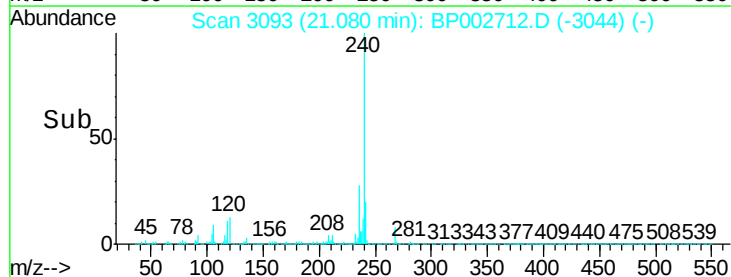
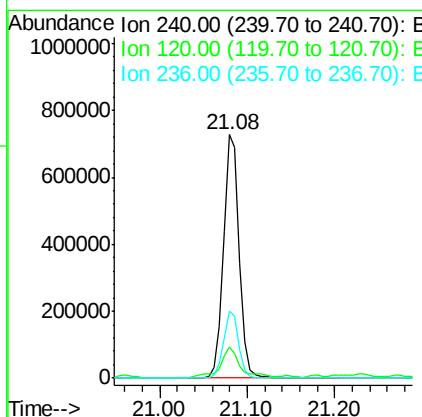
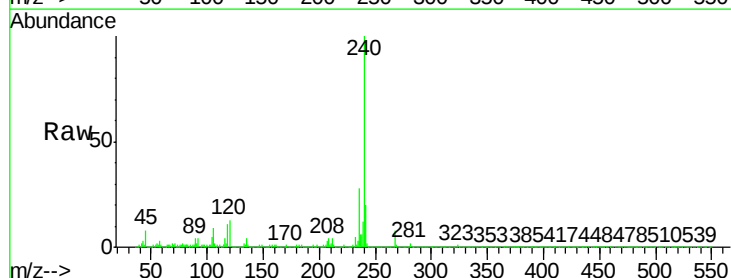
Instrument :
BNA_P
ClientSampleId :
E3-41-VAT

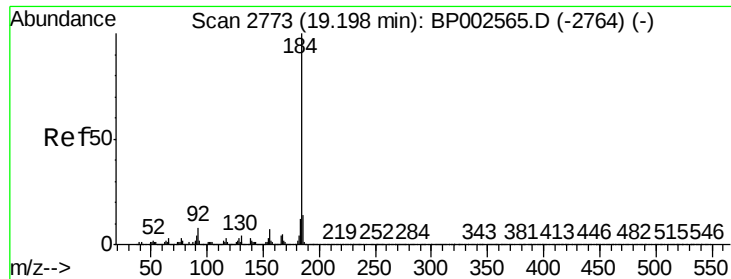
Tot Ion	Ratio	Lower	Upper
266	100		
268	52.6	49.7	74.5
264	52.6	49.3	73.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BP002712.D
Acq: 09 Jul 2020 23:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.6	13.0#
236	27.5	20.8	31.2





#77

Benzidine

Concen: 3.780 ng

RT: 19.19 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

Instrument :

BNA_P

ClientSampleId :

E3-41-VAT

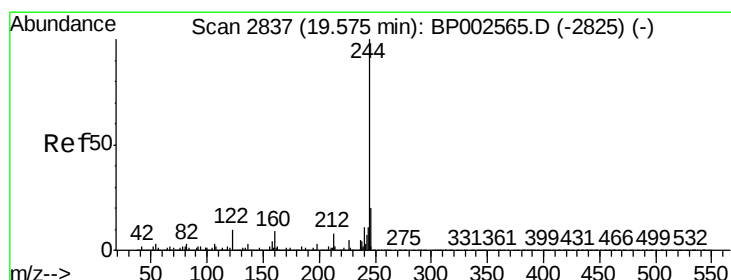
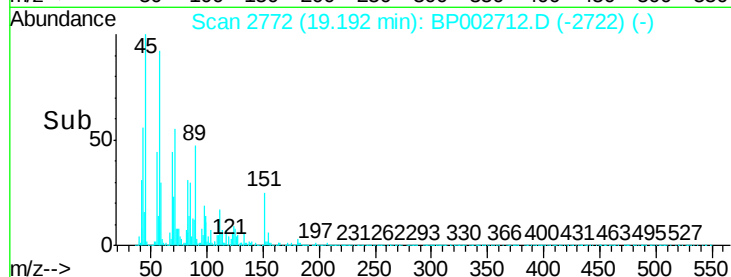
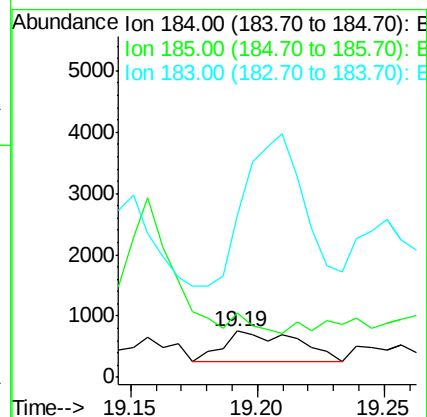
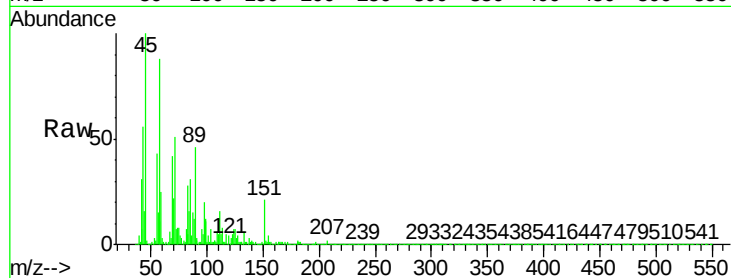
Tot Ion:184 Resp: 995

Ion Ratio Lower Upper

184 100

185 141.4 11.4 17.2#

183 353.1 9.2 13.8#



#79

Terphenyl-d14

Concen: 67.446 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

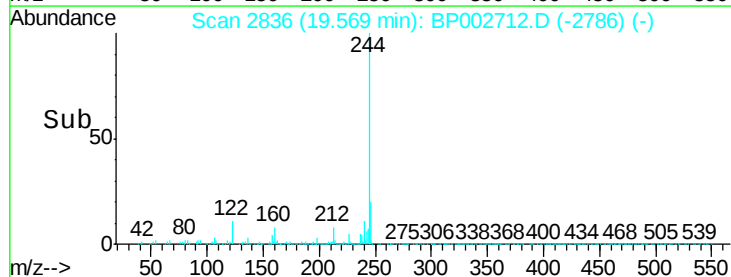
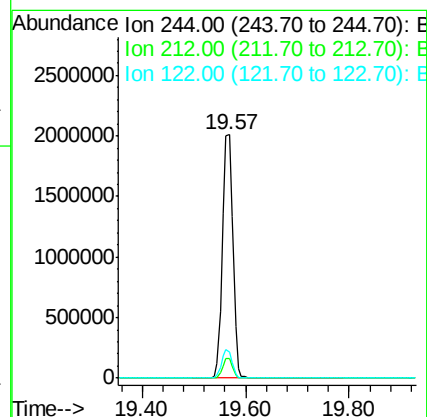
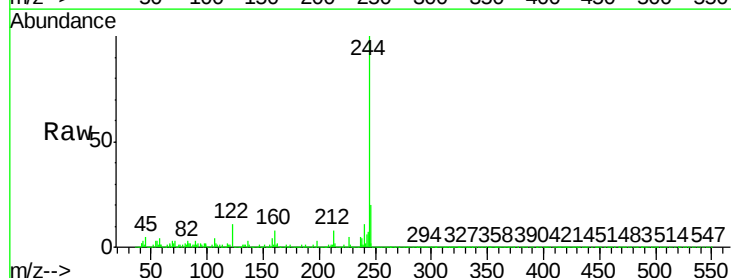
Tgt Ion:244 Resp: 2816349

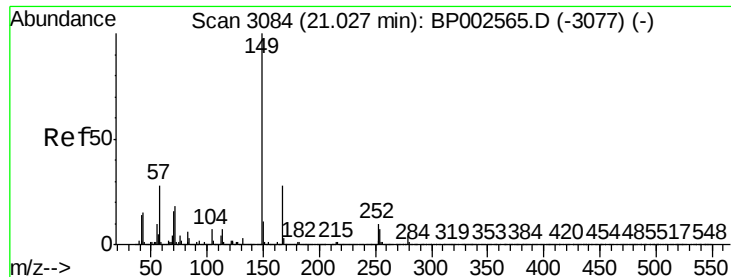
Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

122 10.6 7.9 11.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.863 ng

RT: 21.02 min Scan# 3082

Delta R.T. -0.01 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

Instrument :

BNA_P

ClientSampleId :

E3-41-VAT

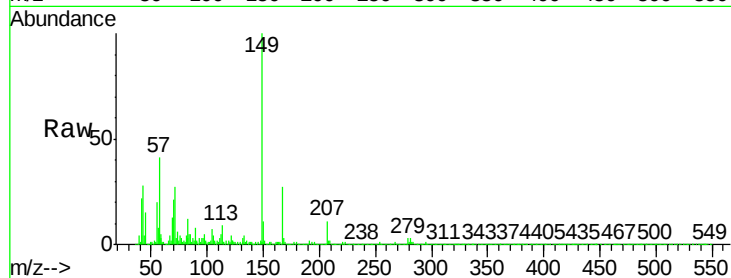
Tot Ion:149 Resp: 187047

Ion Ratio Lower Upper

149 100

167 27.0 22.1 33.1

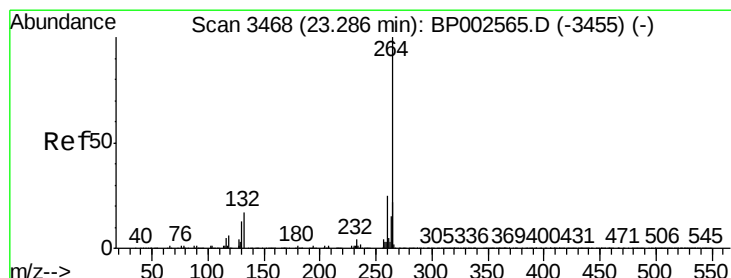
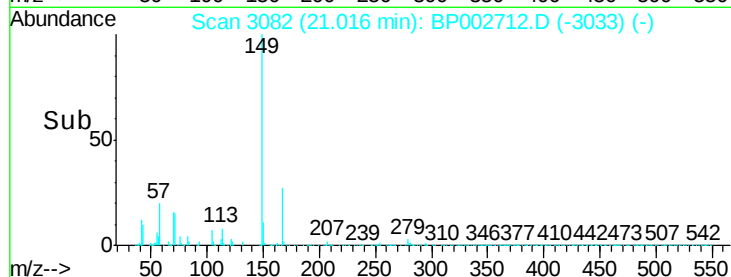
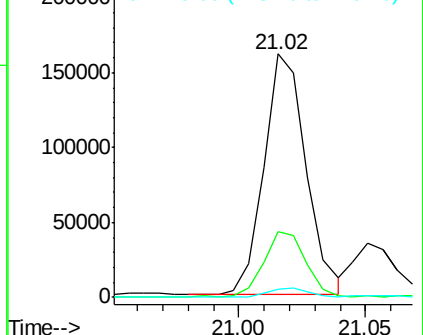
279 3.4 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.27 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BP002712.D

Acq: 09 Jul 2020 23:37

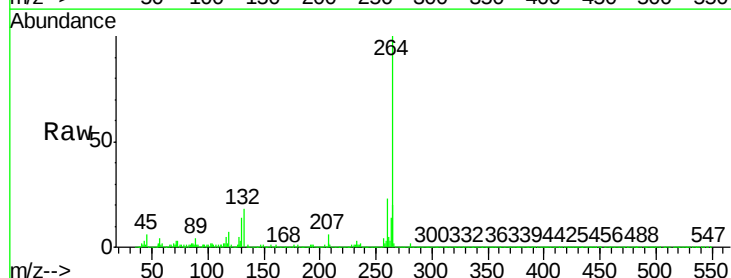
Tgt Ion:264 Resp: 1111410

Ion Ratio Lower Upper

264 100

260 22.7 19.7 29.5

265 19.8 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

