

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
 Data File : BP002684.D
 Acq On : 08 Jul 2020 20:17
 Operator : CG/JU
 Sample : L3187-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-02-070720

Quant Time: Jul 09 00:38:15 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	166159	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	791153	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	522326	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1208235	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1369838	20.00	ng	0.00
86) Perylene-d12	23.28	264	1168144	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	575511	58.64	ng	0.00
7) Phenol-d6	6.77	99	889755	64.96	ng	0.00
23) Nitrobenzene-d5	8.71	82	523207	34.07	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	344566	54.24	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	1252381	35.29	ng	0.00
79) Terphenyl-d14	19.56	244	2282674	35.97	ng	-0.01

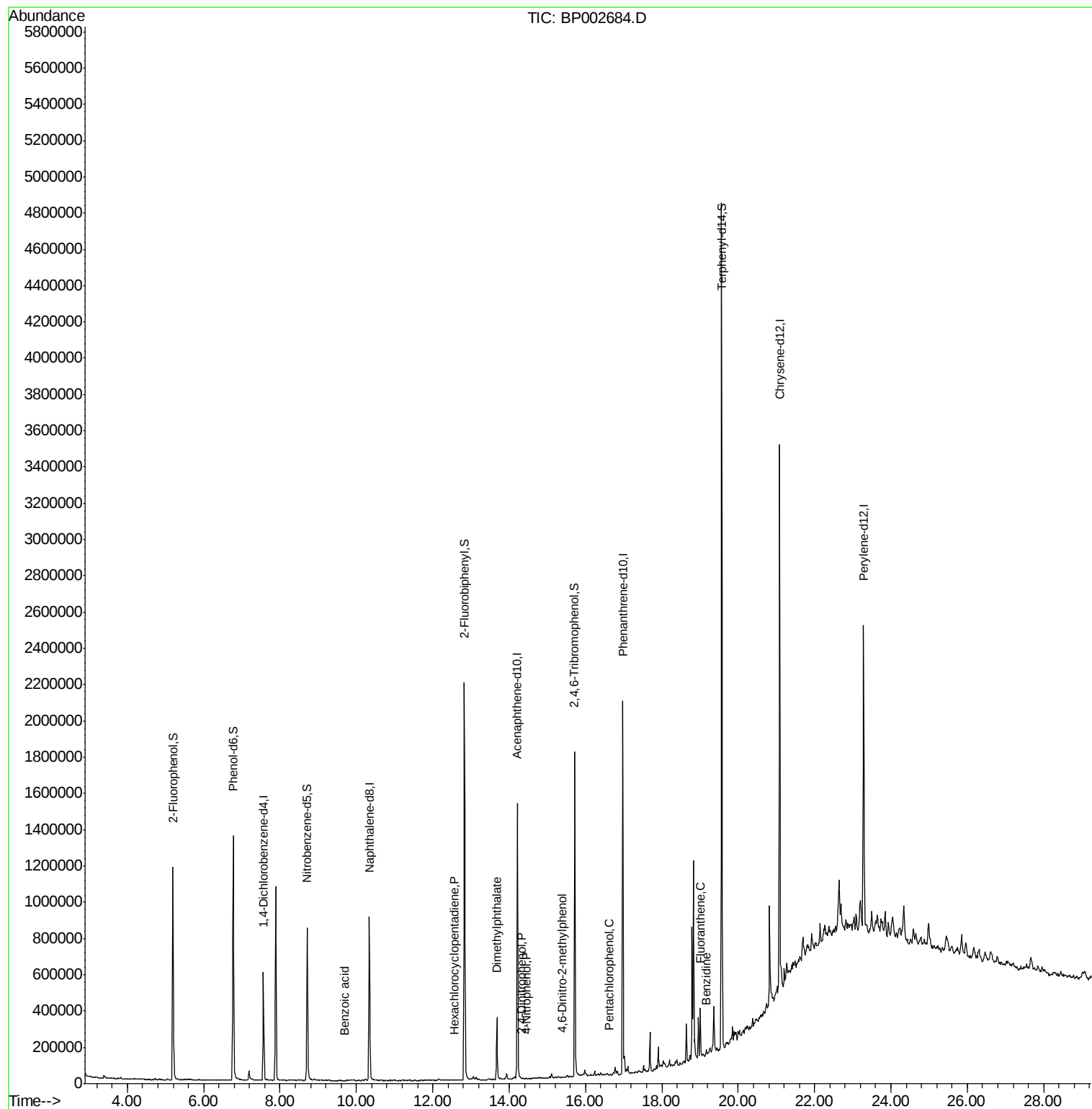
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.70	77	173	Below Cal		# 32
32) Benzoic acid	9.69	122	48	8.704	ng	# 1
41) Hexachlorocyclopentadiene	12.55	237	12	4.383	ng	# 76
50) Dimethylphthalate	13.68	163	233612	5.694	ng	# 100
54) 2,4-Dinitrophenol	14.33	184	40	6.016	ng	# 1
56) 4-Nitrophenol	14.45	139	146	2.455	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.37	198	26	2.713	ng	# 1
70) Pentachlorophenol	16.62	266	28	2.665	ng	# 82
75) Fluoranthene	19.00	202	158326	2.012	ng	# 96
77) Benzydine	19.16	184	67	3.757	ng	# 1

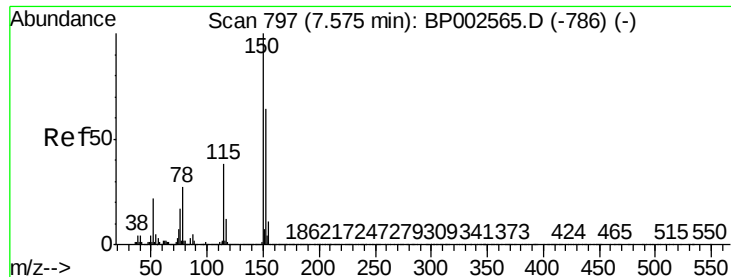
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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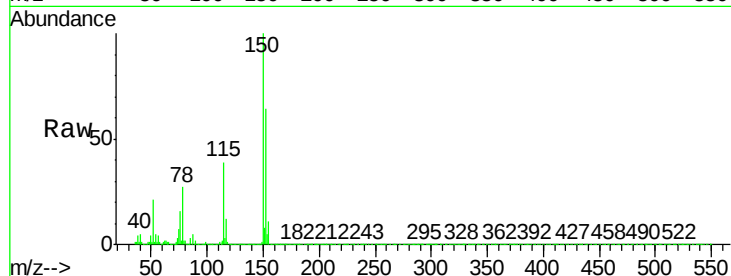


#1

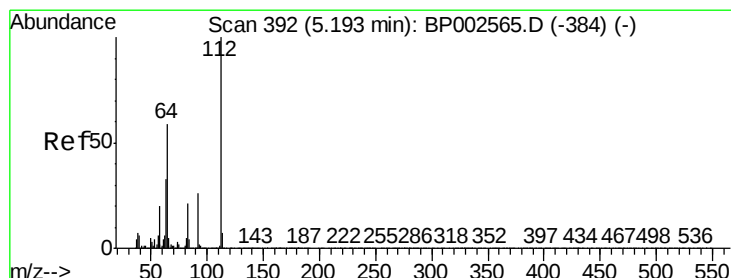
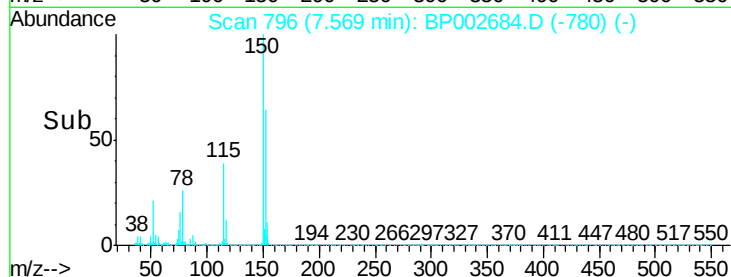
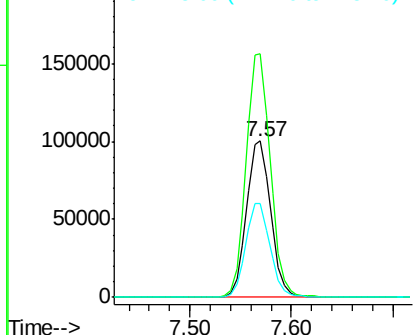
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

Instrument :
BNA_P
ClientSampleId :
SU-02-070720

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.2	186.2
115	60.2	47.1	70.7



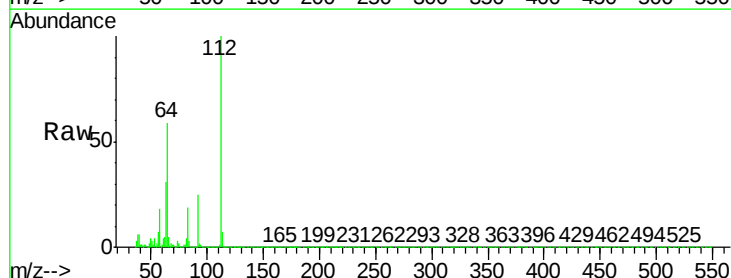
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



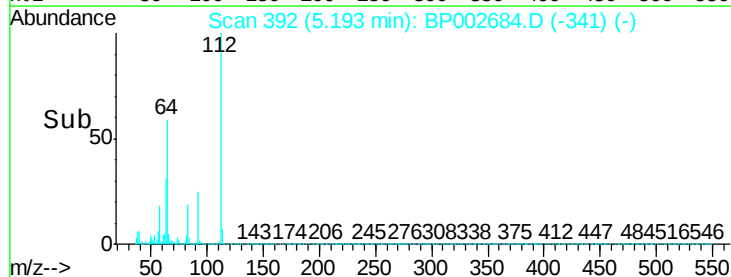
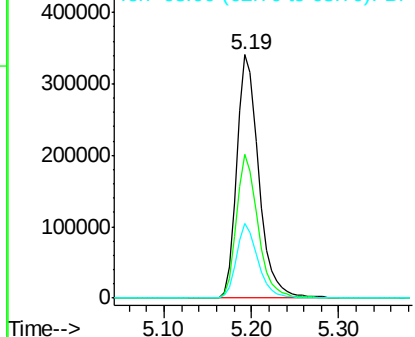
#5

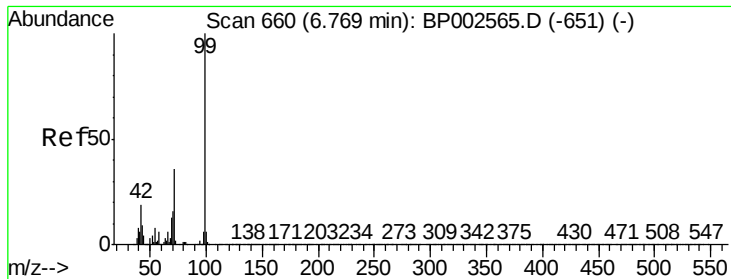
2-Fluorophenol
Concen: 58.643 ng
RT: 5.19 min Scan# 392
Delta R.T. 0.00 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.0	70.6
63	30.6	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: 64.957 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.00 min

Lab File: BP002684.D

Acq: 08 Jul 2020 20:17

Instrument :

BNA_P

ClientSampleId :

SU-02-070720

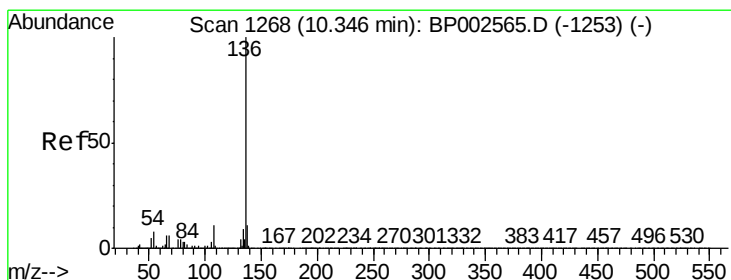
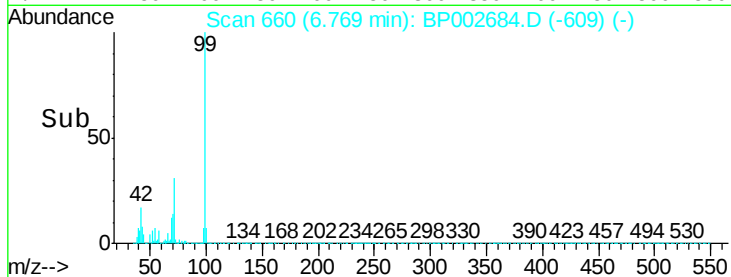
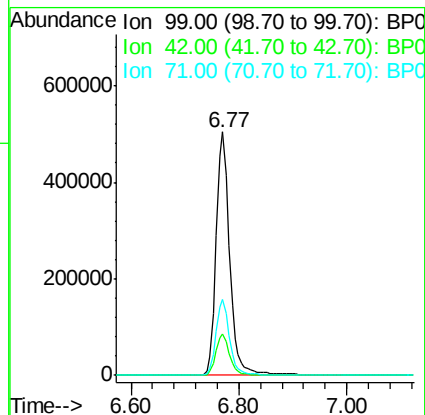
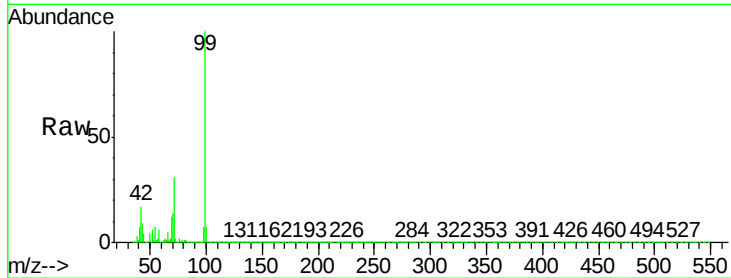
Tot Ion: 99 Resp: 889755

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: BP002684.D

Acq: 08 Jul 2020 20:17

Tgt Ion: 136 Resp: 791153

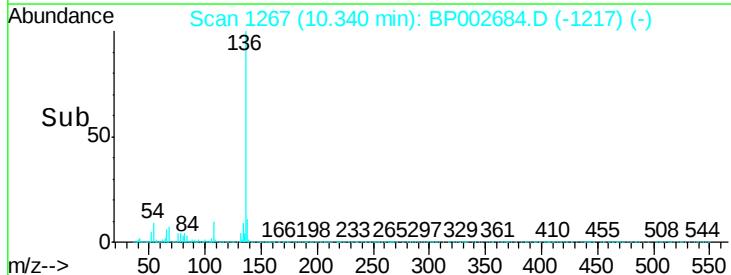
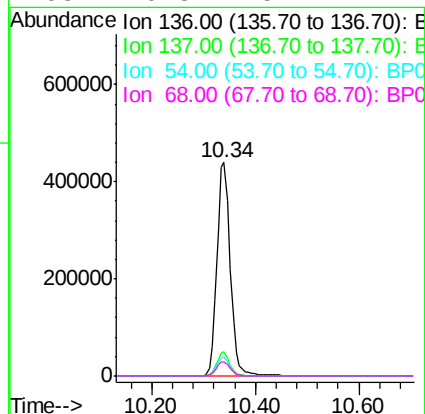
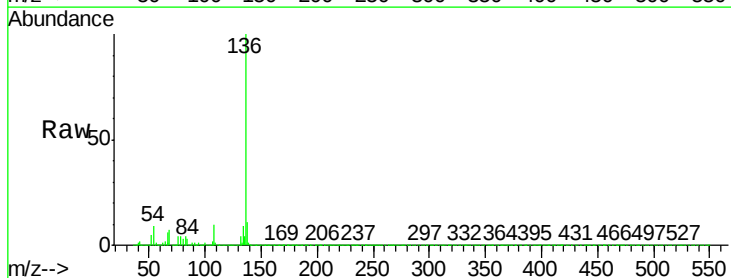
Ion Ratio Lower Upper

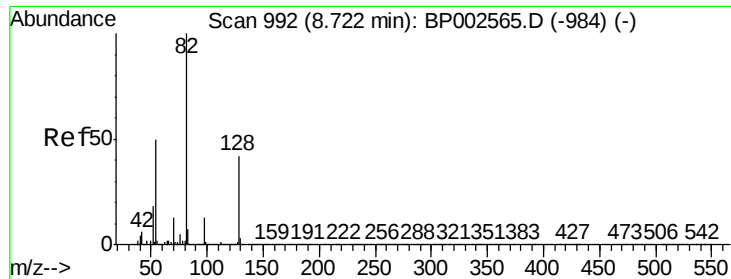
136 100

137 11.1 8.8 13.2

54 8.8 6.4 9.6

68 6.8 5.1 7.7

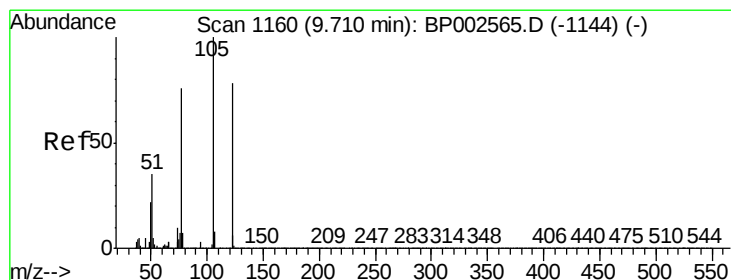
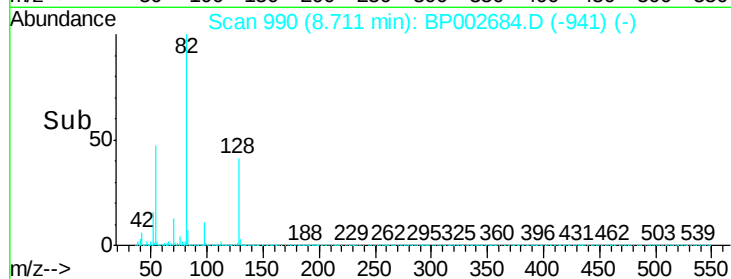
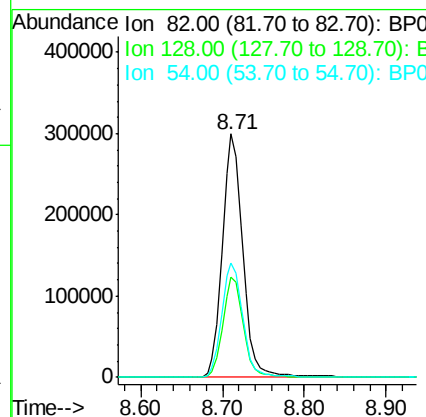
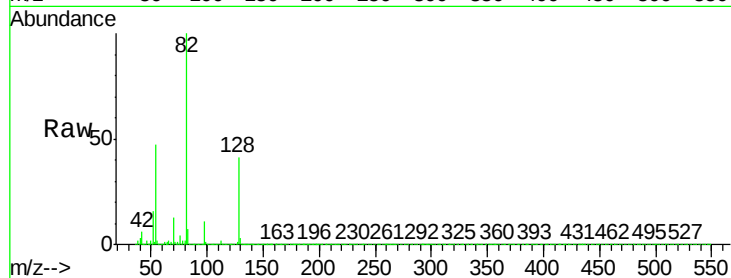




#23
Nitrobenzene-d5
Concen: 34.075 ng
RT: 8.71 min Scan# 990
Delta R.T. -0.01 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

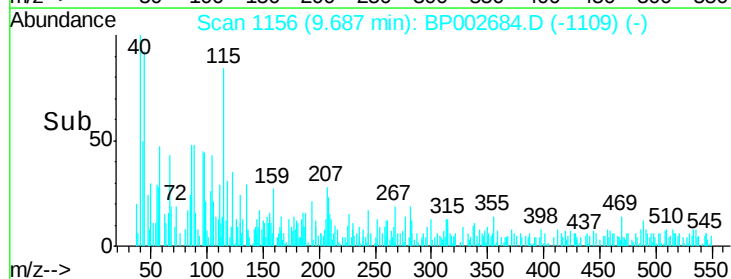
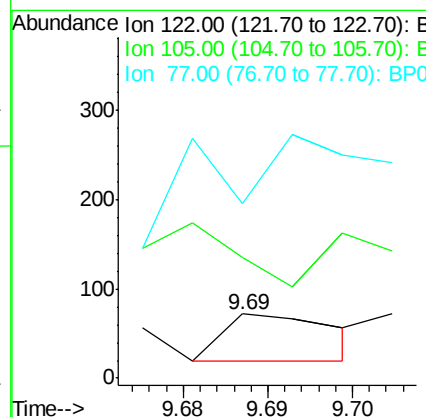
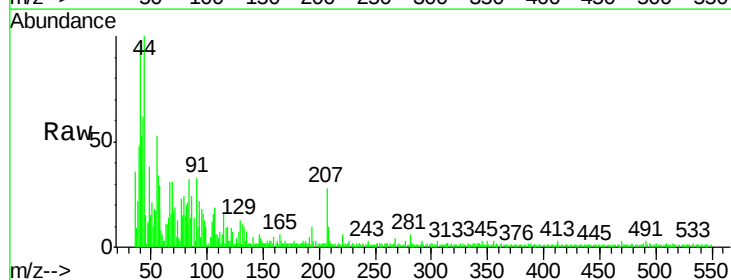
Instrument :
BNA_P
ClientSampleId :
SU-02-070720

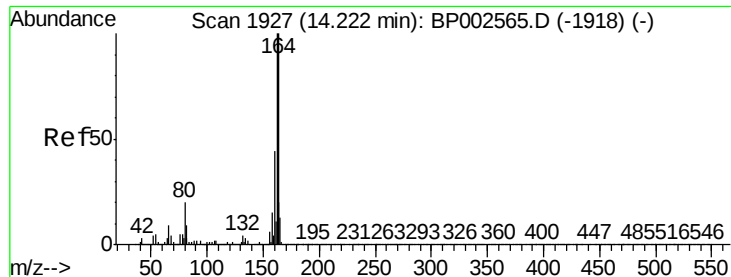
Tot Ion	82	Resp	523207
Ion Ratio	Lower	Upper	
82	100		
128	41.3	33.4	50.2
54	47.2	40.1	60.1



#32
Benzoic acid
Concen: 8.704 ng
RT: 9.69 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

Tgt Ion	122	Resp	48
Ion Ratio	Lower	Upper	
122	100		
105	187.5	106.6	146.6#
77	272.2	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: BP002684.D

Acq: 08 Jul 2020 20:17

Instrument :

BNA_P

ClientSampleId :

SU-02-070720

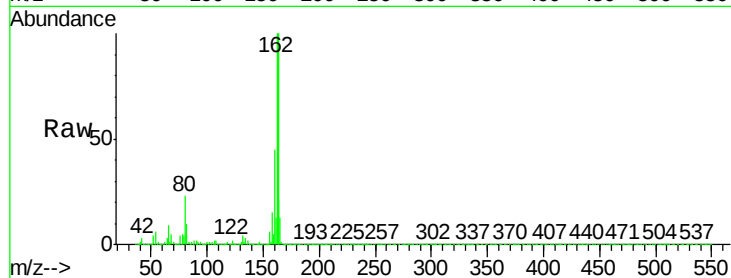
Tot Ion:164 Resp: 522326

Ion Ratio Lower Upper

164 100

162 100.4 80.3 120.5

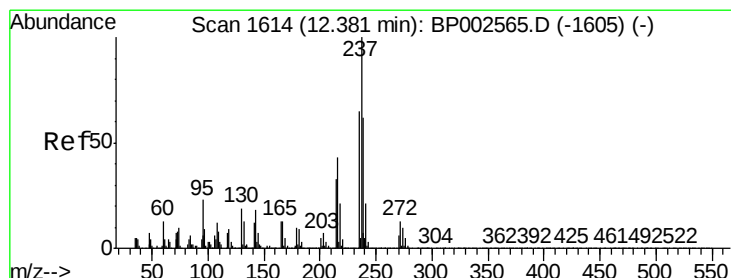
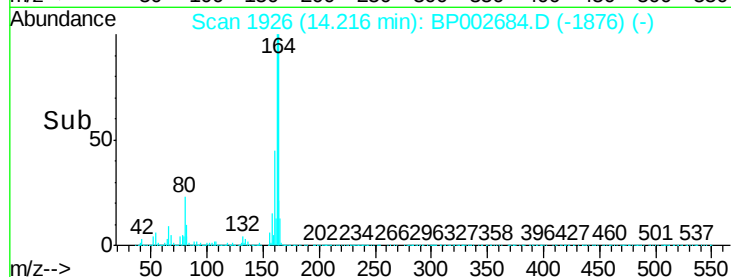
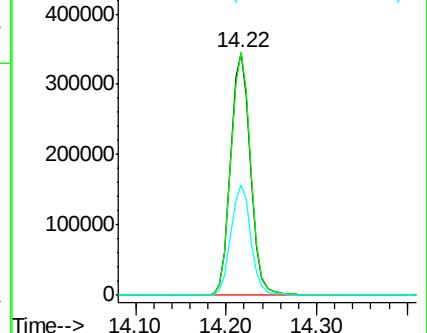
160 45.6 35.0 52.6



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: 4.383 ng

RT: 12.55 min Scan# 1643

Delta R.T. 0.17 min

Lab File: BP002684.D

Acq: 08 Jul 2020 20:17

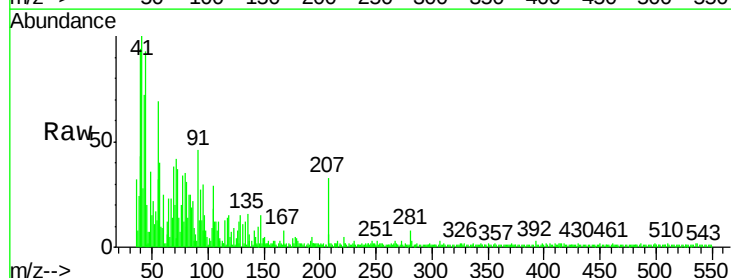
Tgt Ion:237 Resp: 12

Ion Ratio Lower Upper

237 100

235 48.0 45.4 85.4

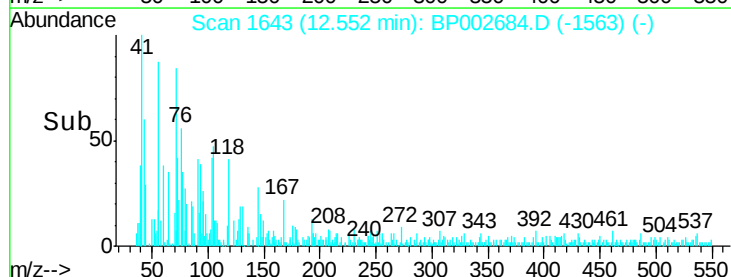
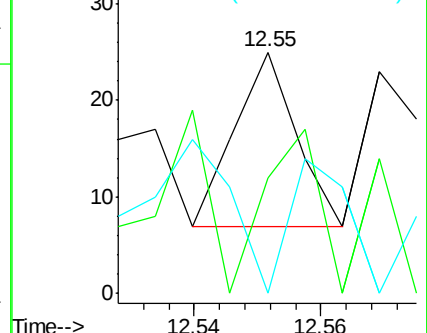
272 0.0 0.0 32.6

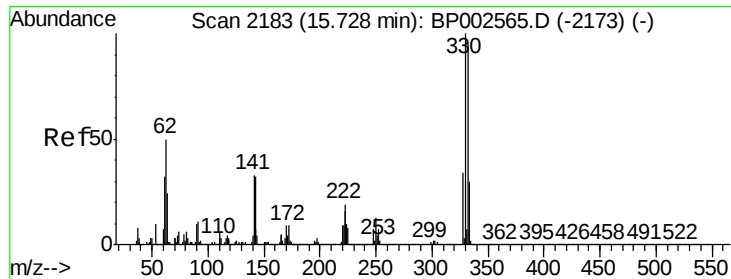


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

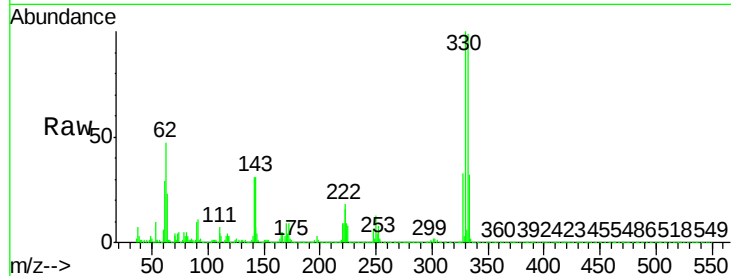




#42
2,4,6-Tribromophenol
Concen: 54.237 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

Instrument :
BNA_P
ClientSampleId :
SU-02-070720

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.7	116.5
141	35.4	29.0	43.6

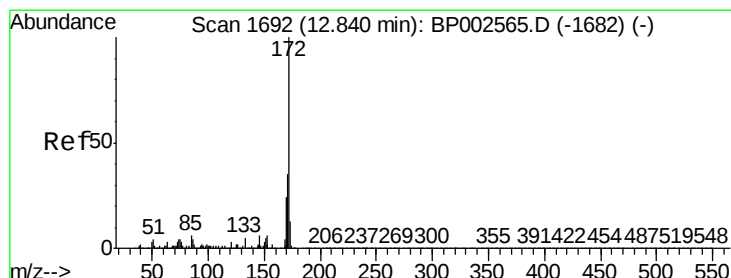
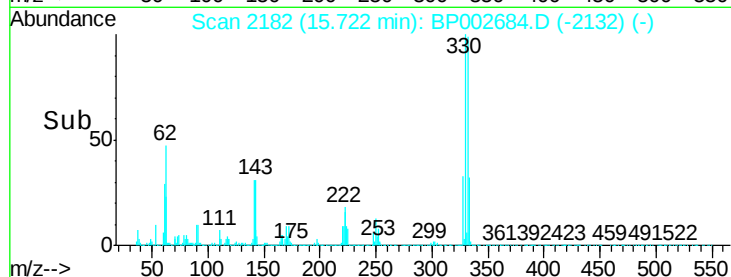
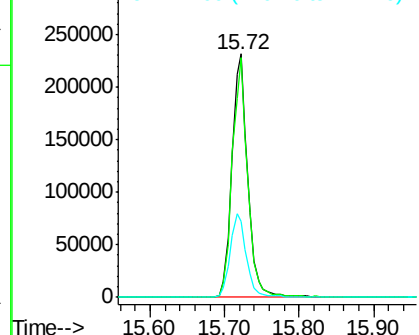


Abundance

Ion 329.80 (329.50 to 330.50): E

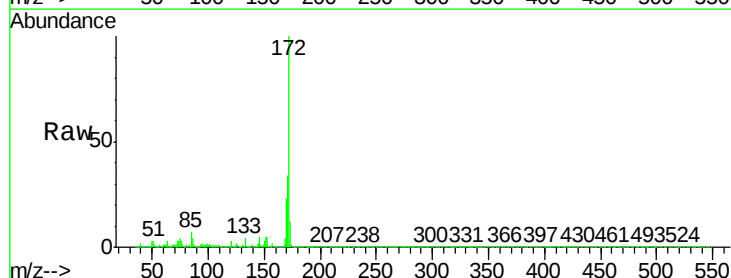
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 35.290 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.0	42.0
170	23.2	19.0	28.4

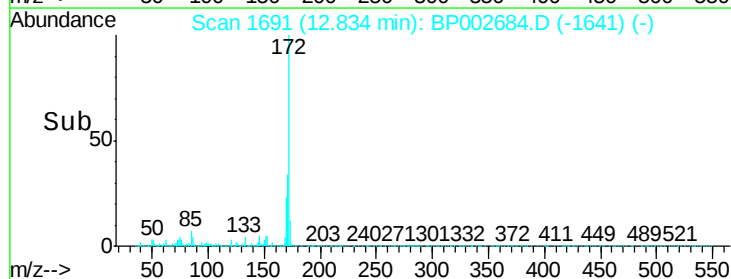
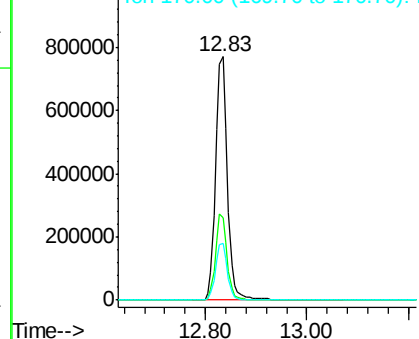


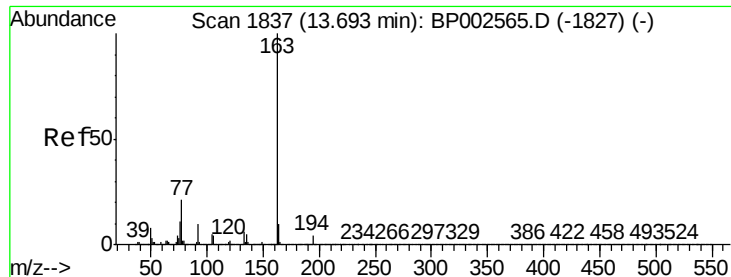
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.694 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BP002684.D

Acq: 08 Jul 2020 20:17

Instrument :

BNA_P

ClientSampleId :

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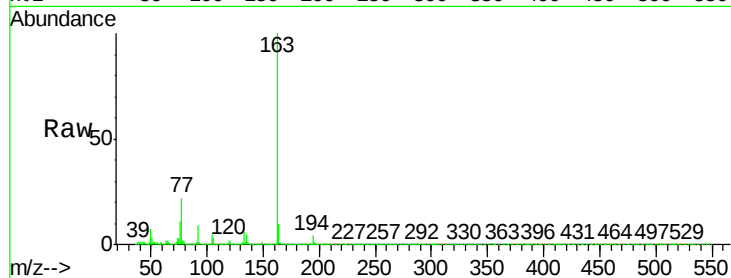
Tot Ion:163 Resp: 233612

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

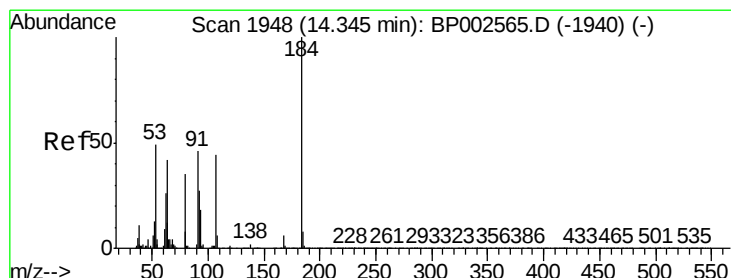
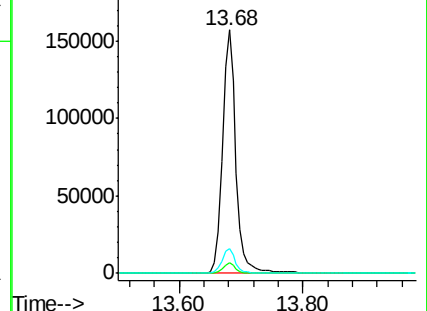
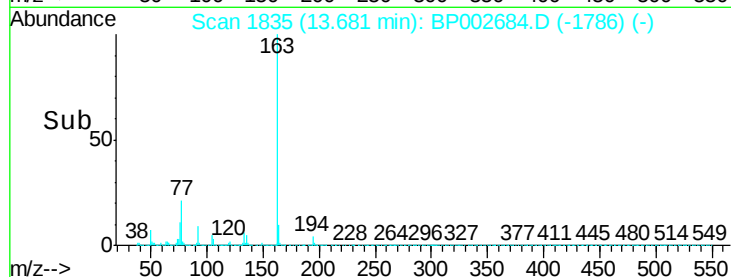
164 10.3 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 6.016 ng

RT: 14.33 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BP002684.D

Acq: 08 Jul 2020 20:17

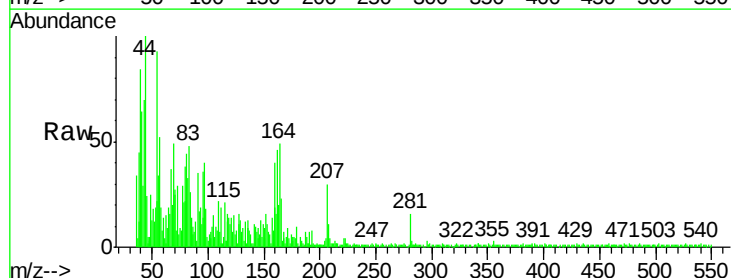
Tgt Ion:184 Resp: 40

Ion Ratio Lower Upper

184 100

63 576.9 56.2 84.2#

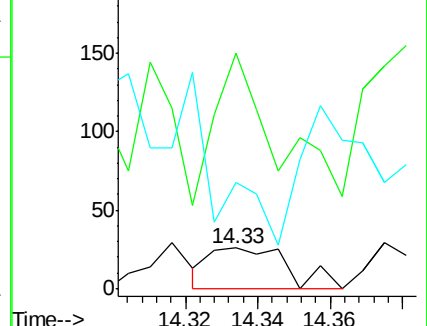
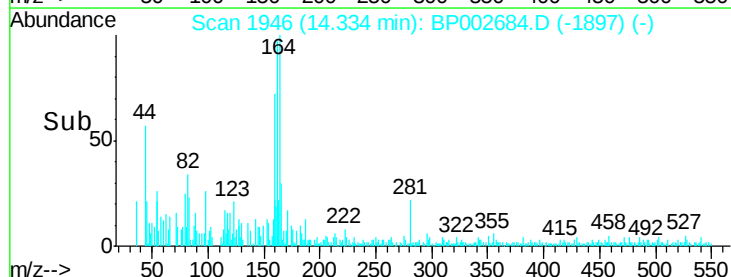
154 261.5 50.9 76.3#

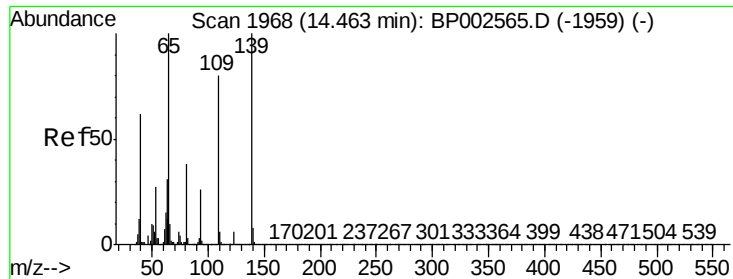


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

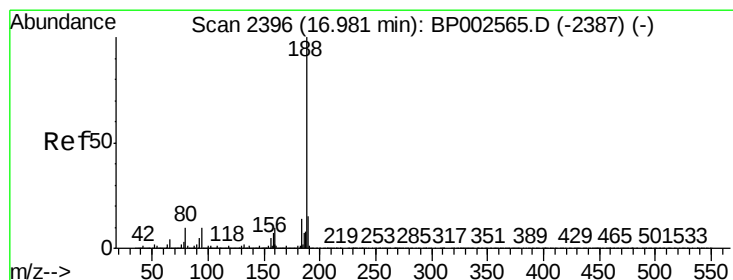
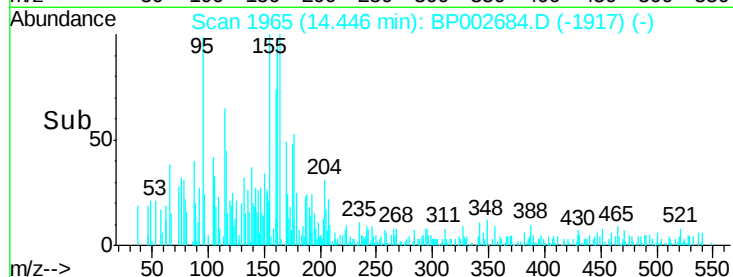
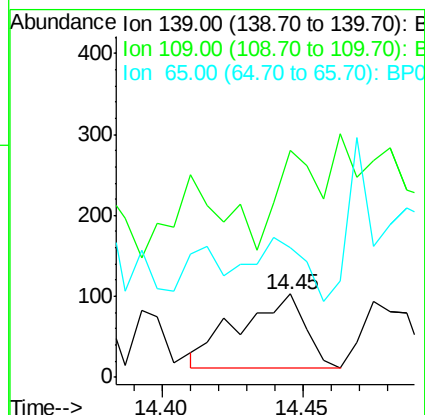
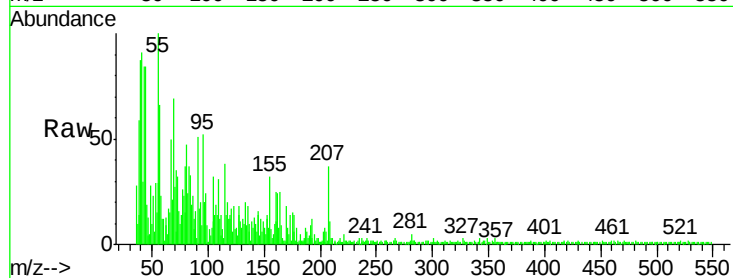




#56
4-Nitrophenol
Concen: 2.455 ng
RT: 14.45 min Scan# 1965
Delta R.T. -0.02 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

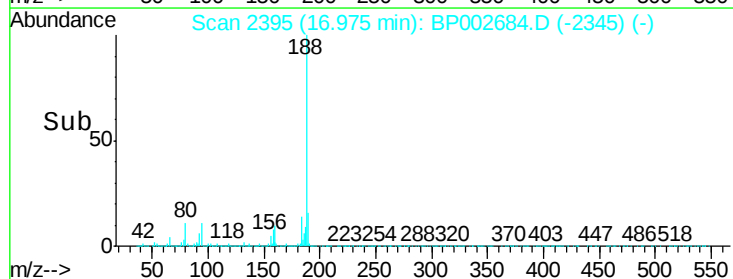
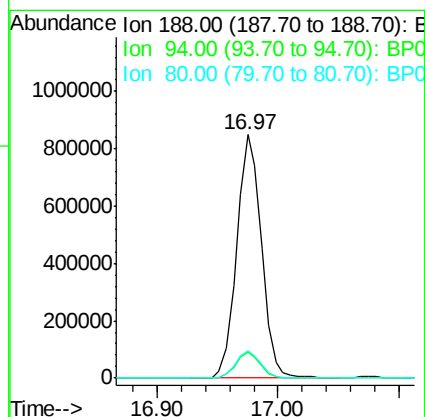
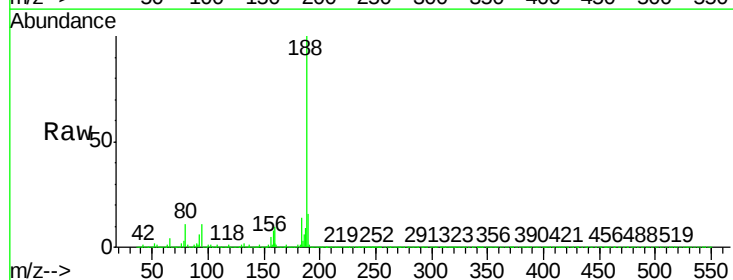
Instrument :
BNA_P
ClientSampleId :
SU-02-070720

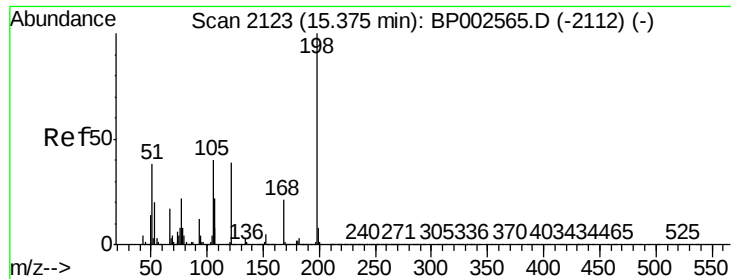
Tot Ion:139 Resp: 146
Ion Ratio Lower Upper
139 100
109 272.8 60.1 100.1#
65 155.3 80.3 120.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

Tgt Ion:188 Resp: 1208235
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.4 8.2 12.4

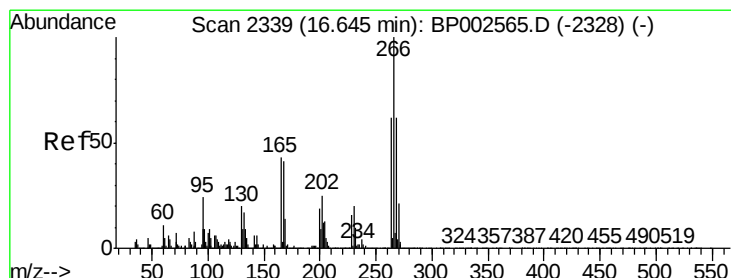
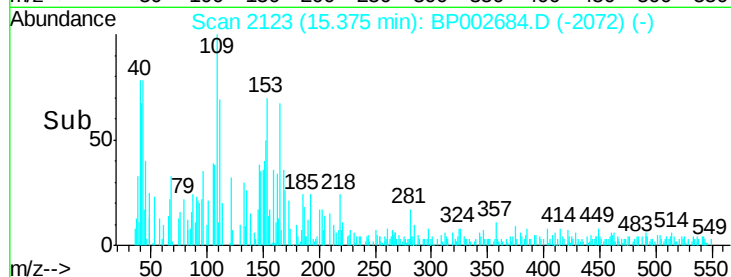
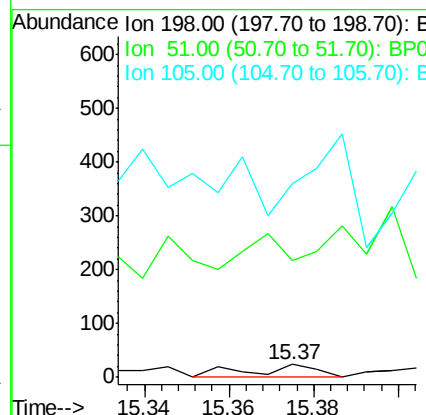
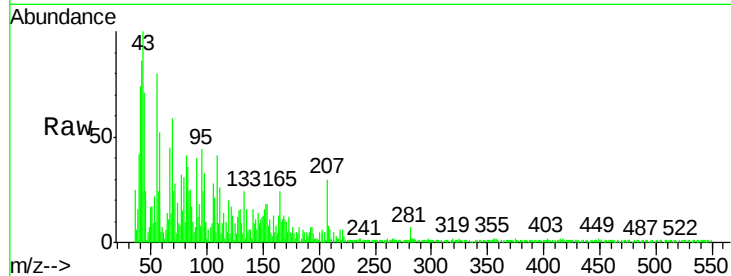




#65
4,6-Dinitro-2-methylphenol
Concen: 2.713 ng
RT: 15.37 min Scan# 2123
Delta R.T. 0.00 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

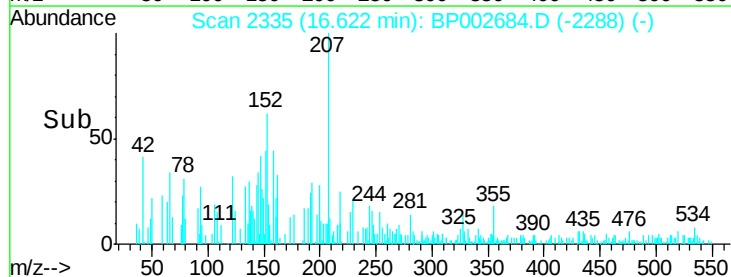
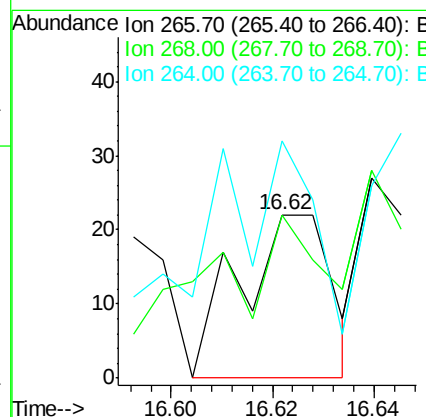
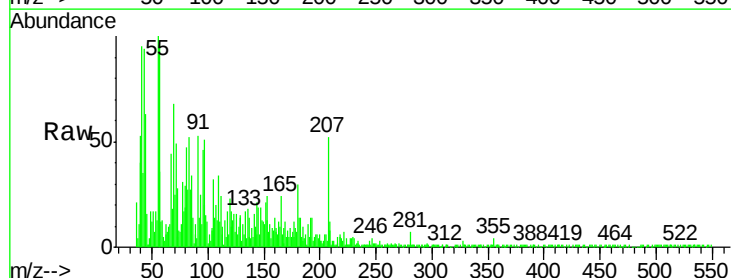
Instrument :
BNA_P
ClientSampleId :
SU-02-070720

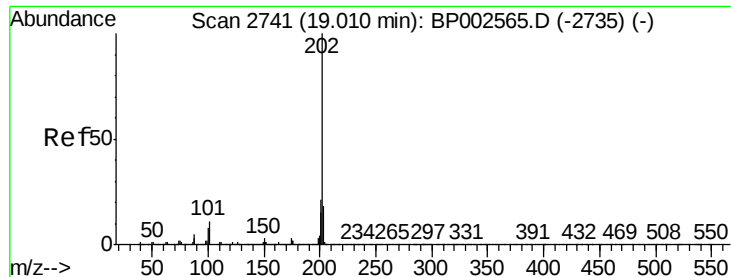
Tot Ion:198 Resp: 26
Ion Ratio Lower Upper
198 100
51 900.0 24.2 64.2#
105 1500.0 20.7 60.7#



#70
Pentachlorophenol
Concen: 2.665 ng
RT: 16.62 min Scan# 2335
Delta R.T. -0.02 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

Tgt Ion:266 Resp: 28
Ion Ratio Lower Upper
266 100
268 59.5 49.7 74.5
264 86.5 49.3 73.9#





#75

Fluoranthene

Concen: 2.012 ng

RT: 19.00 min Scan# 2740

Delta R.T. -0.01 min

Lab File: BP002684.D

Acq: 08 Jul 2020 20:17

Instrument :

BNA_P

ClientSampleId :

SU-02-070720

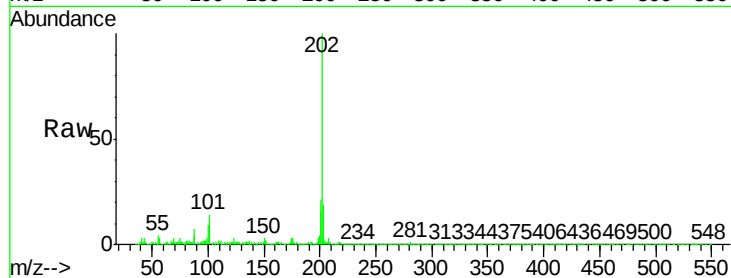
Tot Ion:202 Resp: 158326

Ion Ratio Lower Upper

202 100

101 13.8 0.0 30.6

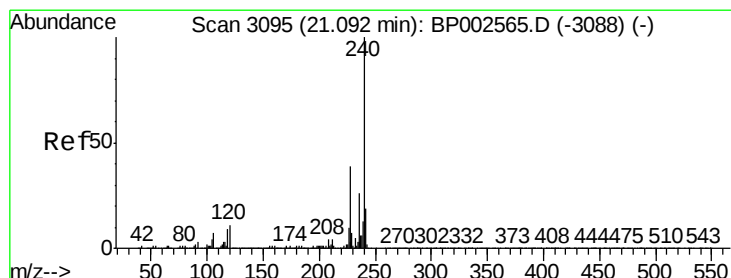
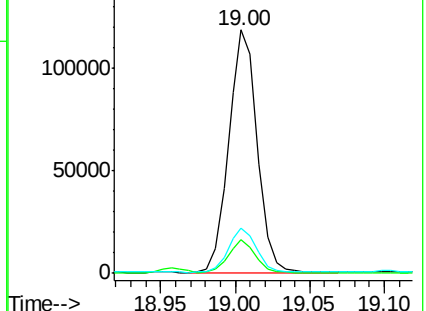
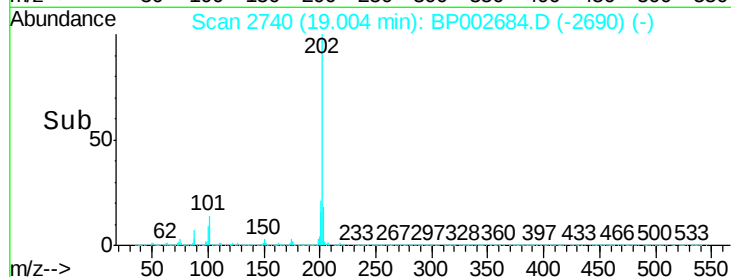
203 18.6 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BP002684.D

Acq: 08 Jul 2020 20:17

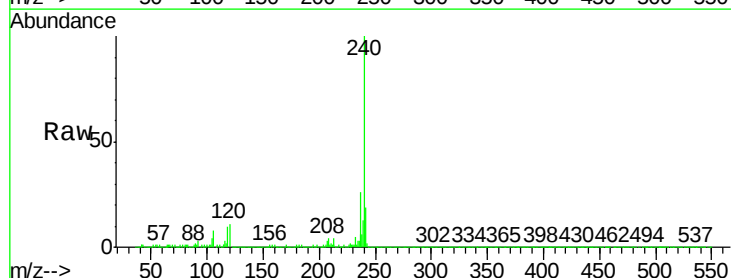
Tgt Ion:240 Resp: 1369838

Ion Ratio Lower Upper

240 100

120 11.3 8.6 13.0

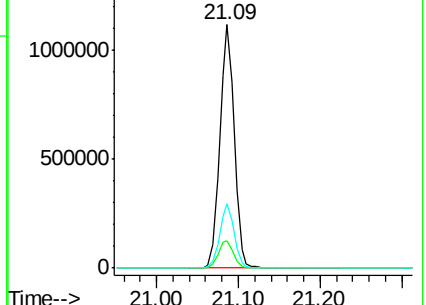
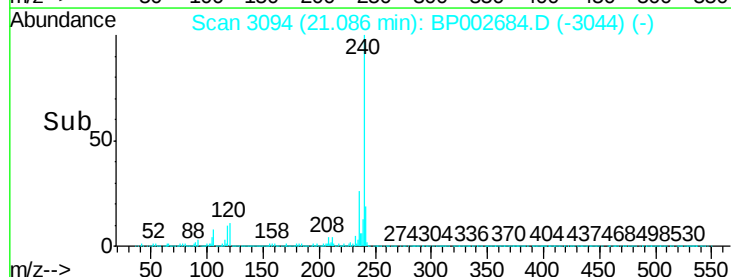
236 26.3 20.8 31.2

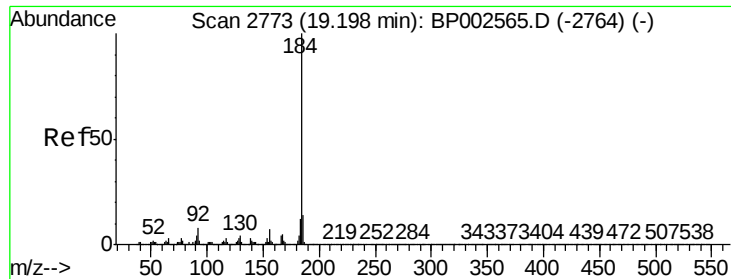


Abundance Ion 240.00 (239.70 to 240.70): E

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: 19.16 min Scan# 2766

Delta R.T. -0.04 min

Lab File: BP002684.D

Acq: 08 Jul 2020 20:17

Instrument :

BNA_P

ClientSampleId :

SU-02-070720

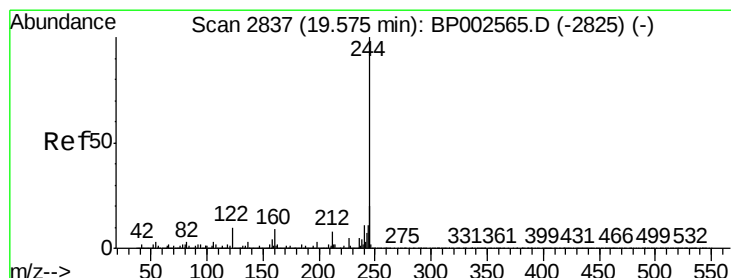
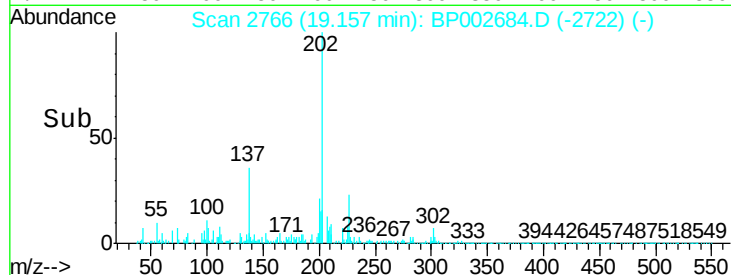
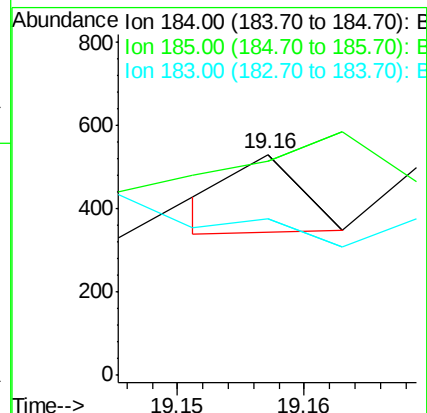
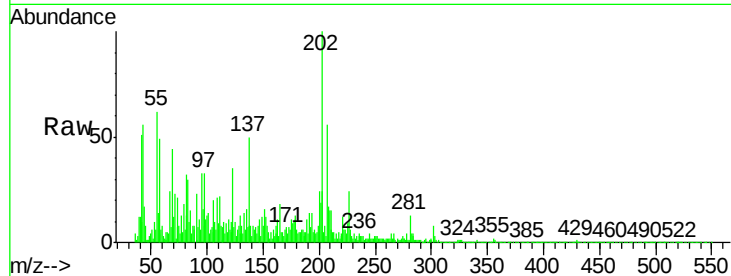
Tot Ion:184 Resp: 67

Ion Ratio Lower Upper

184 100

185 97.2 11.4 17.2#

183 70.6 9.2 13.8#



#79

Terphenyl-d14

Concen: 35.969 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP002684.D

Acq: 08 Jul 2020 20:17

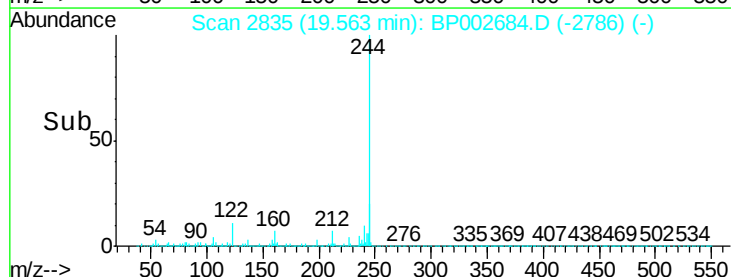
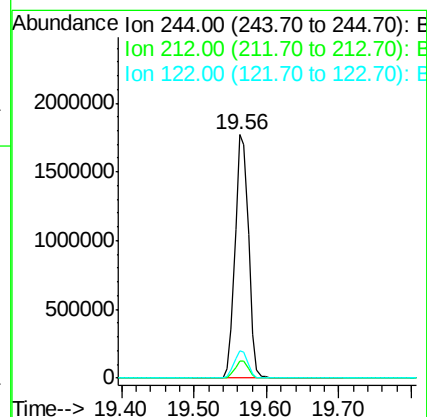
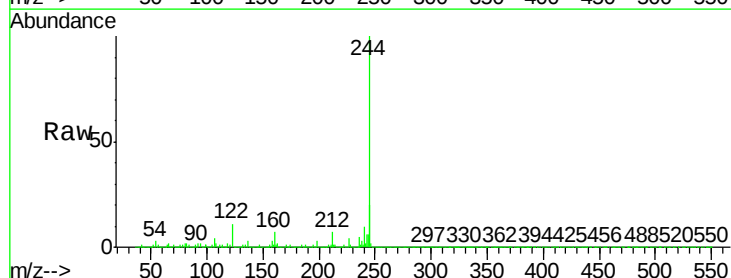
Tgt Ion:244 Resp: 2282674

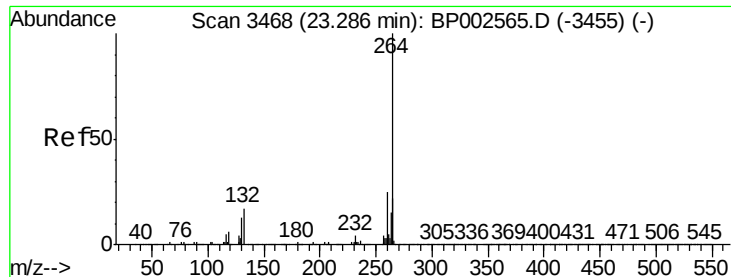
Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 11.2 7.9 11.9



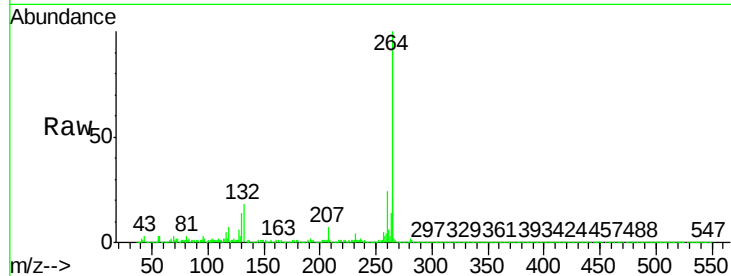


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.28 min Scan# 3467
Delta R.T. -0.01 min
Lab File: BP002684.D
Acq: 08 Jul 2020 20:17

Instrument :
BNA_P
ClientSampleId :
SU-02-070720

Tot Ion:264 Resp: 1168144

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	21.3	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

