

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070920\
 Data File : BP002707.D
 Acq On : 09 Jul 2020 20:47
 Operator : CG/JU
 Sample : L3183-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-070720

Quant Time: Jul 10 00:33:24 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	46754	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	205920	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	148151	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	381797	20.00	ng	0.00
76) Chrysene-d12	21.08	240	604100	20.00	ng	-0.01
86) Perylene-d12	23.28	264	798056	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	355273	128.66	ng	0.00
7) Phenol-d6	6.77	99	468277	121.50	ng	0.00
23) Nitrobenzene-d5	8.71	82	371487	92.95	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	267089	148.22	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	907961	90.20	ng	-0.01
79) Terphenyl-d14	19.56	244	2329136	83.22	ng	-0.01

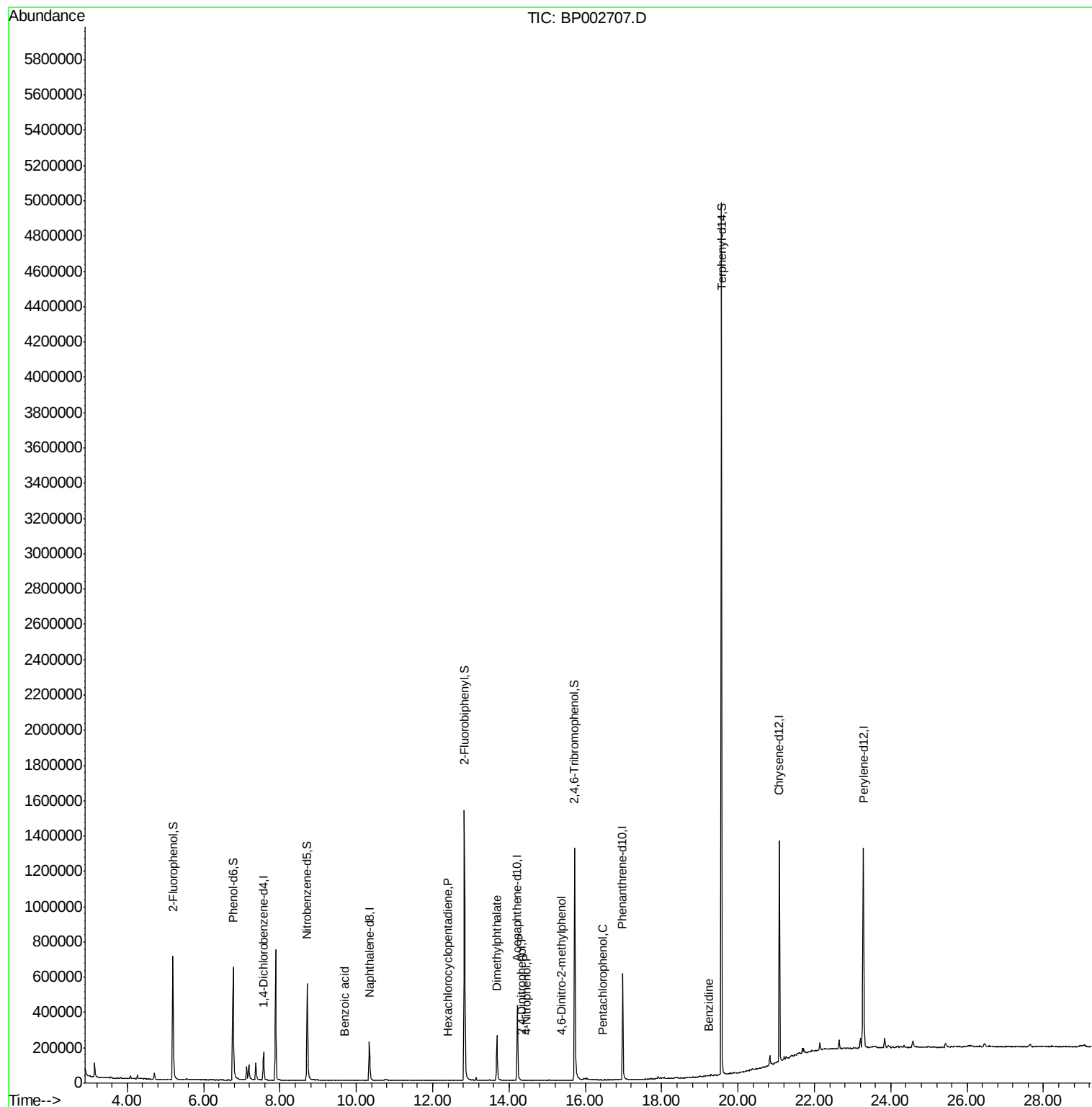
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	223	Below Cal		# 41
32) Benzoic acid	9.69	122	41	8.714	ng	# 1
41) Hexachlorocyclopentadiene	12.40	237	22	4.390	ng	94
50) Dimethylphthalate	13.68	163	200729	17.251	ng	99
54) 2,4-Dinitrophenol	14.34	184	34	6.029	ng	# 1
56) 4-Nitrophenol	14.46	139	54	2.460	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.37	198	26	2.720	ng	# 1
70) Pentachlorophenol	16.46	266	23	2.670	ng	97
77) Benzidine	19.22	184	433	3.772	ng	# 30

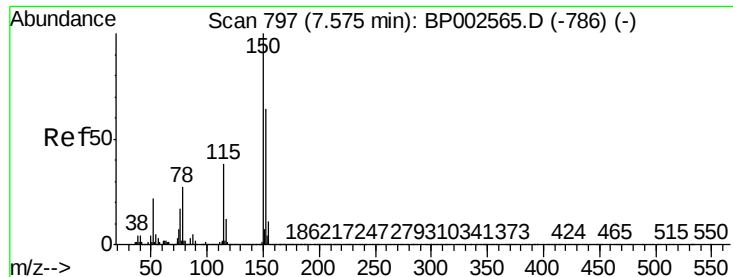
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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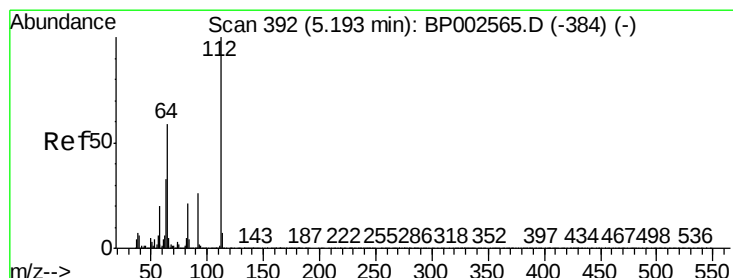
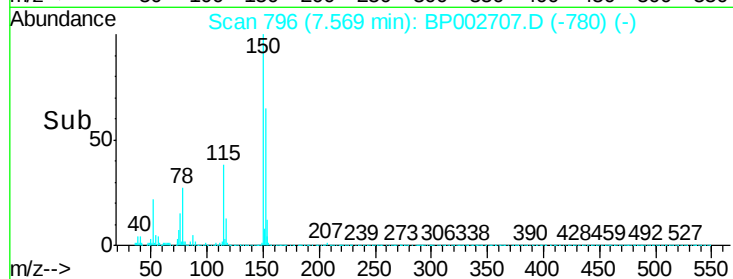
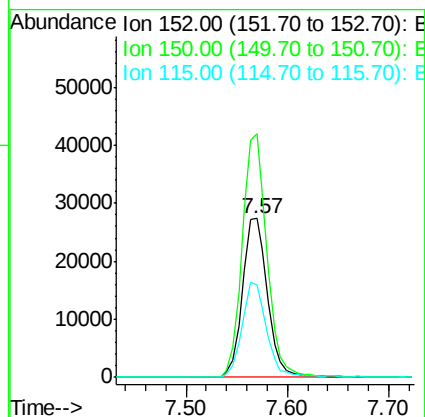
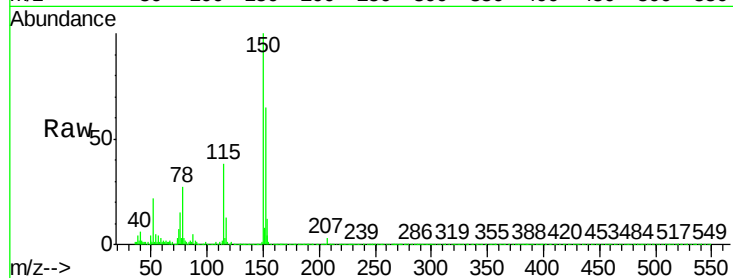


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002707.D
Acq: 09 Jul 2020 20:47

Instrument :
BNA_P
ClientSampleId :
OK-02-070720

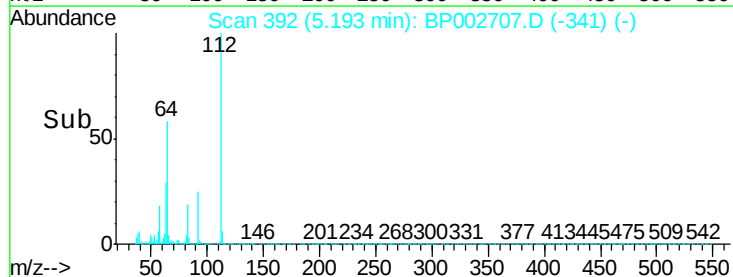
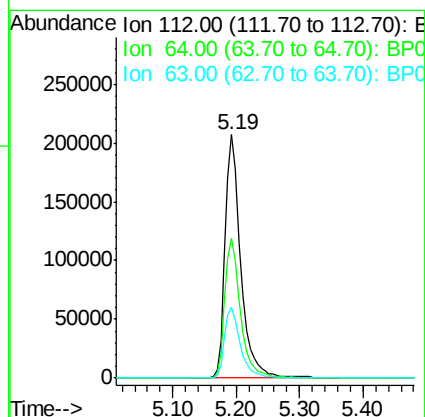
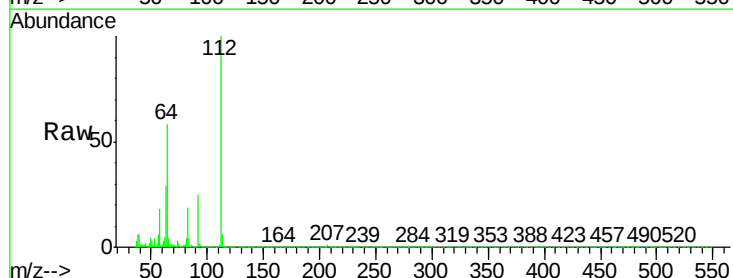
Tot Ion:152 Resp: 46754
Ion Ratio Lower Upper
152 100
150 153.6 124.2 186.2
115 58.4 47.1 70.7

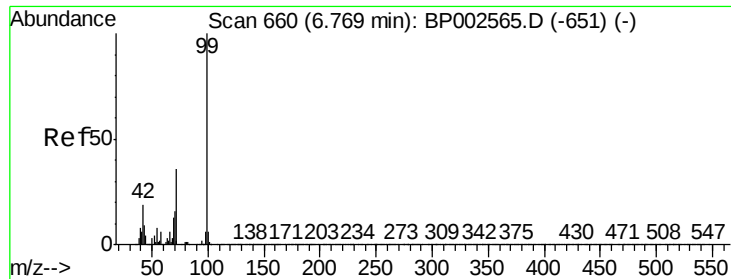


#5

2-Fluorophenol
Concen: 128.656 ng
RT: 5.19 min Scan# 392
Delta R.T. 0.00 min
Lab File: BP002707.D
Acq: 09 Jul 2020 20:47

Tgt Ion:112 Resp: 355273
Ion Ratio Lower Upper
112 100
64 57.7 47.0 70.6
63 29.0 26.1 39.1





#7

Phenol-d6

Concen: 121.497 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.00 min

Lab File: BP002707.D

Acq: 09 Jul 2020 20:47

Instrument :

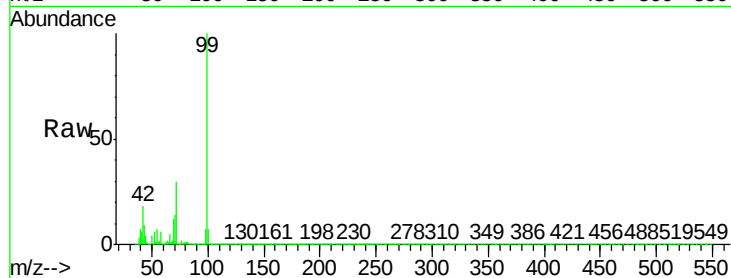
BNA_P

ClientSampleId :

OK-02-070720

Tot Ion: 99 Resp: 468277

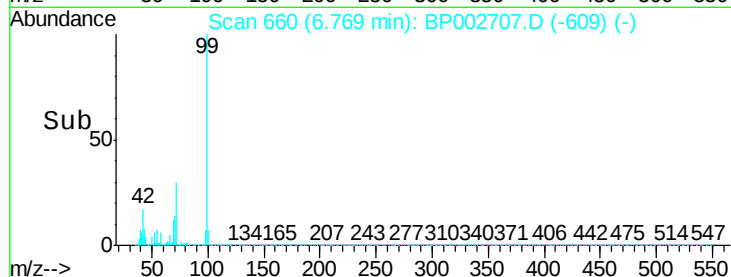
Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.5	23.3
71	30.4	28.9	43.3



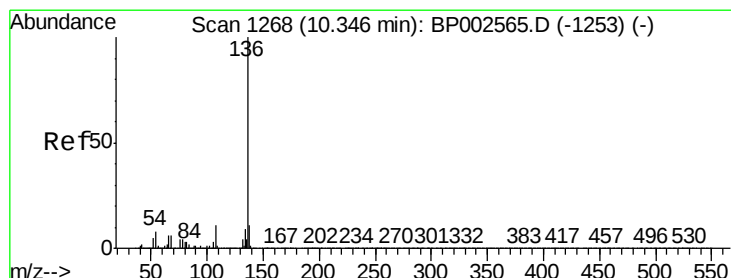
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

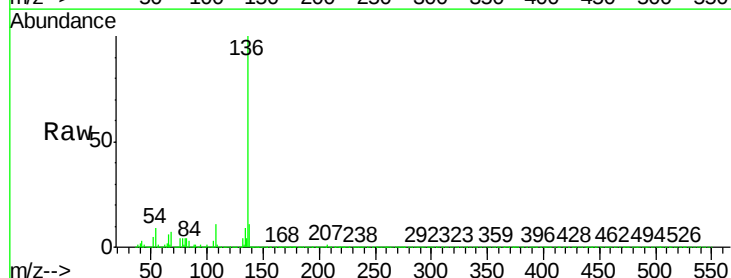
Delta R.T. -0.01 min

Lab File: BP002707.D

Acq: 09 Jul 2020 20:47

Tgt Ion: 136 Resp: 205920

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.0	6.4	9.6
68	6.9	5.1	7.7

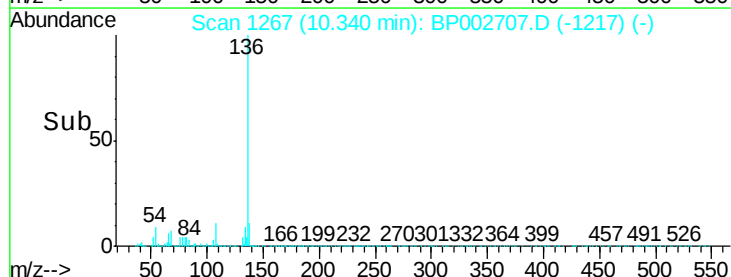


Abundance Ion 136.00 (135.70 to 136.70): E

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



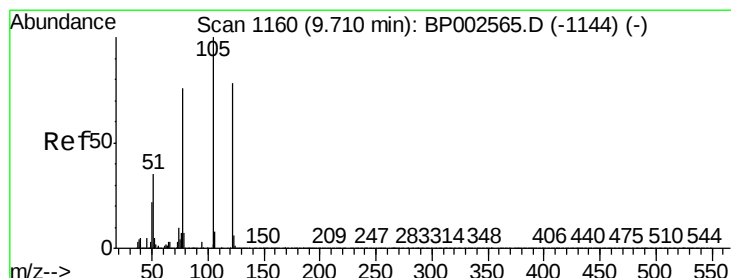
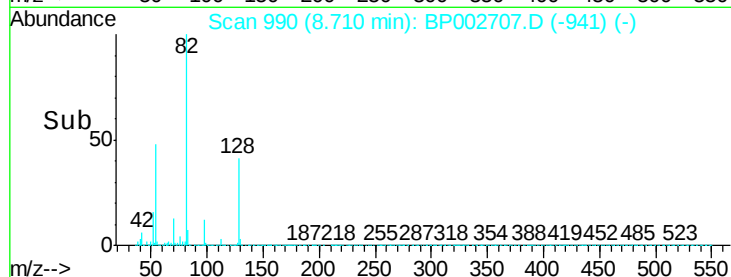
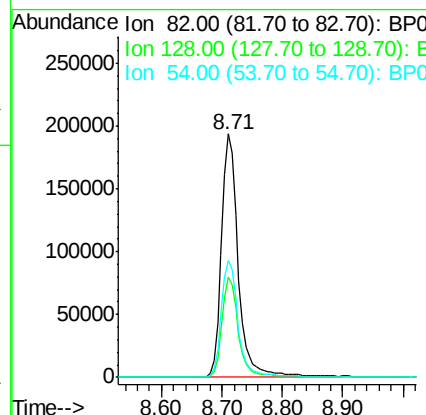
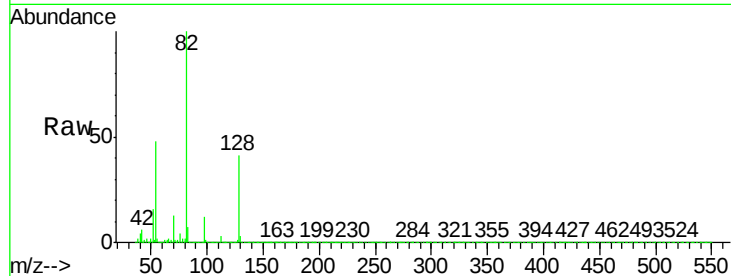
Time-->



#23
Nitrobenzene-d5
Concen: 92.953 ng
RT: 8.71 min Scan# 990
Delta R.T. -0.01 min
Lab File: BP002707.D
Acq: 09 Jul 2020 20:47

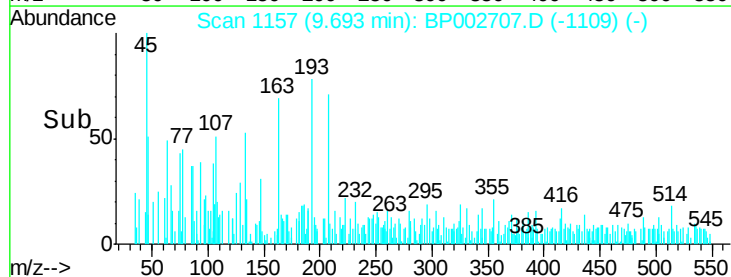
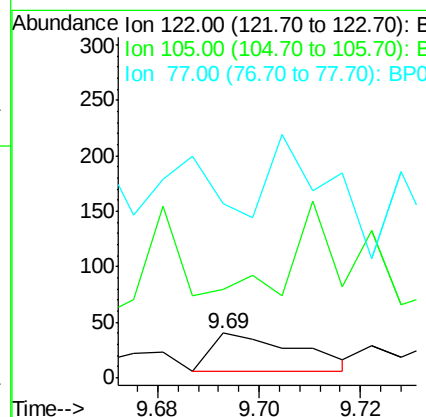
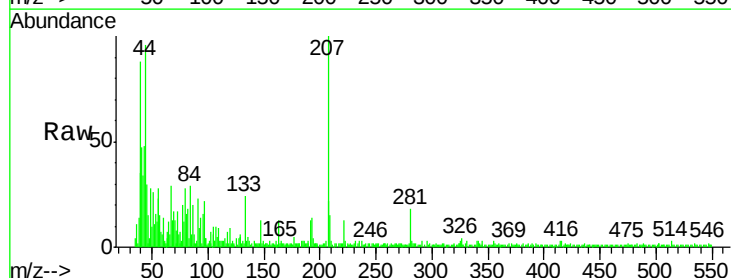
Instrument :
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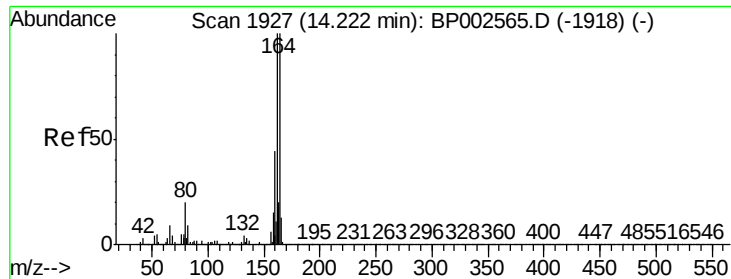
Tot Ion	82	Resp	371487
Ion Ratio	Lower	Upper	
82	100		
128	41.3	33.4	50.2
54	48.1	40.1	60.1



#32
Benzoic acid
Concen: 8.714 ng
RT: 9.69 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BP002707.D
Acq: 09 Jul 2020 20:47

Tgt Ion	122	Resp	41
Ion Ratio	Lower	Upper	
122	100		
105	200.0	106.6	146.6#
77	392.5	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: BP002707.D

Acq: 09 Jul 2020 20:47

Instrument :

BNA_P

ClientSampleId :

OK-02-070720

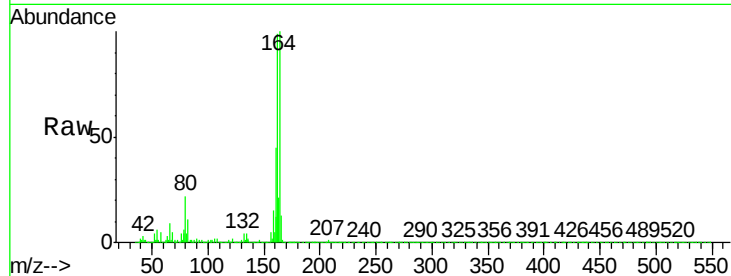
Tot Ion:164 Resp: 148151

Ion Ratio Lower Upper

164 100

162 98.7 80.3 120.5

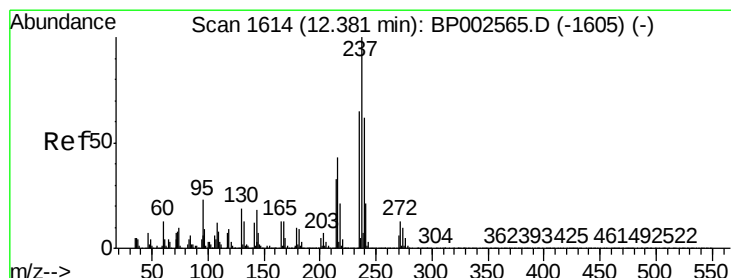
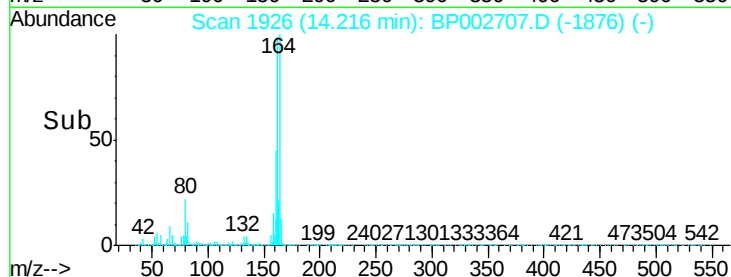
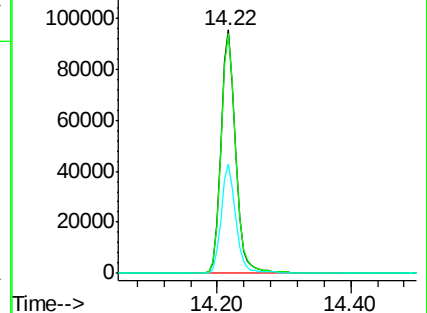
160 45.0 35.0 52.6



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# 1617

Delta R.T. 0.02 min

Lab File: BP002707.D

Acq: 09 Jul 2020 20:47

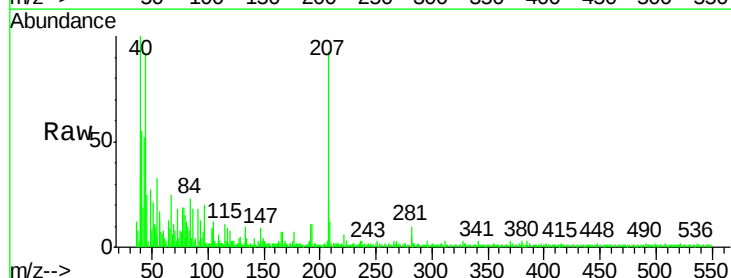
Tgt Ion:237 Resp: 22

Ion Ratio Lower Upper

237 100

235 65.5 45.4 85.4

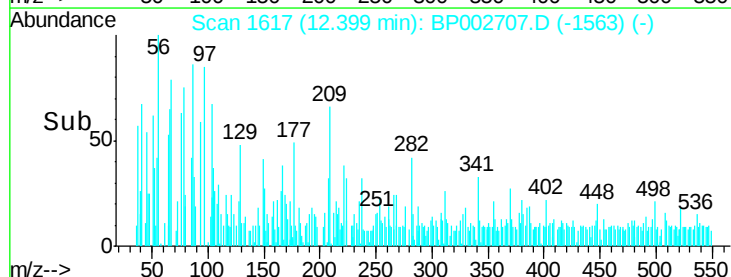
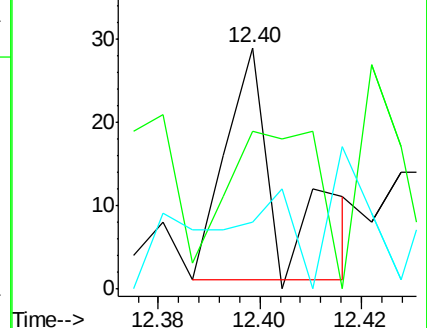
272 27.6 0.0 32.6

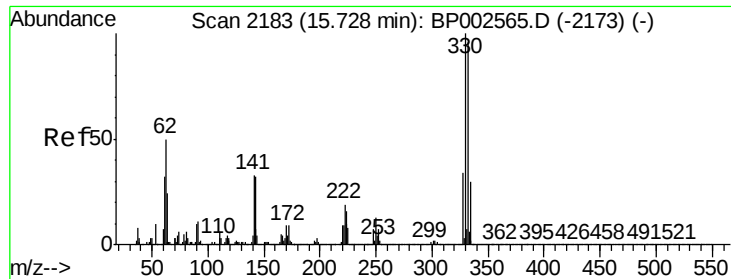


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

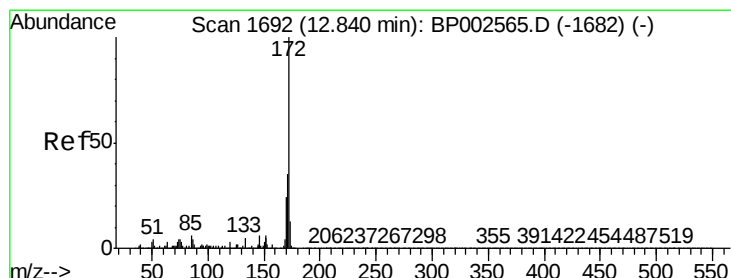
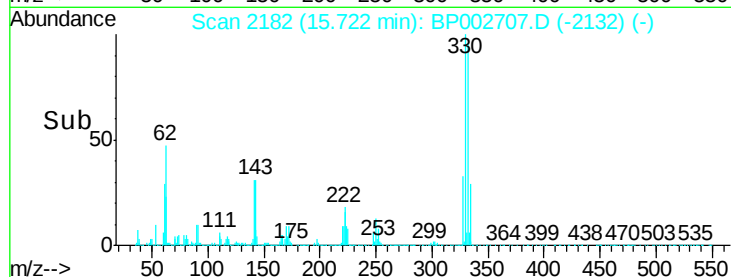
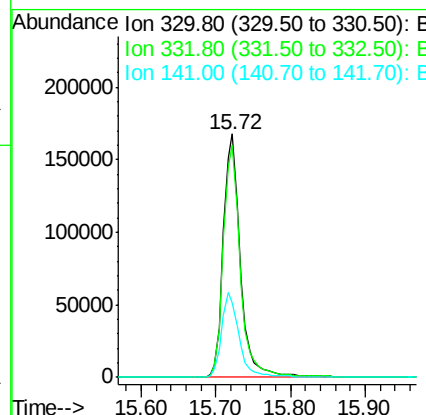
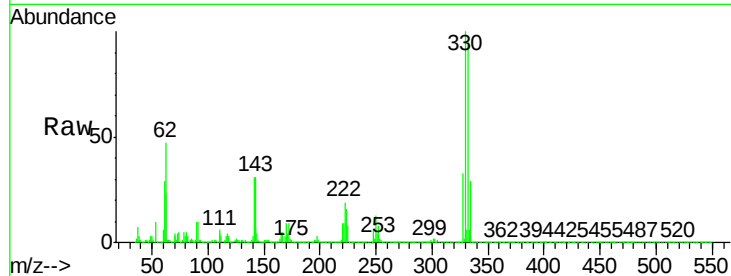




#42
 2,4,6-Tribromophenol
 Concen: 148.224 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002707.D
 Acq: 09 Jul 2020 20:47

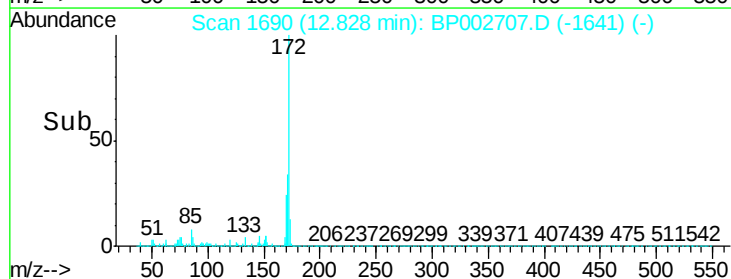
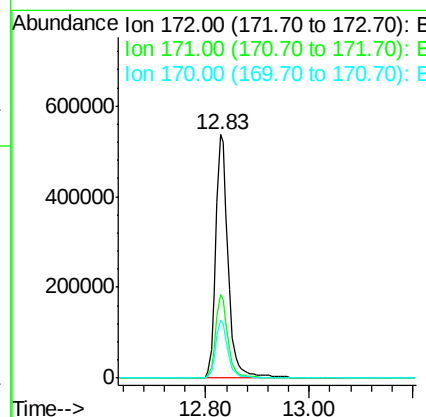
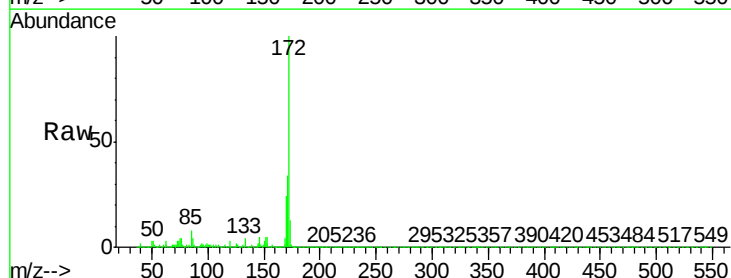
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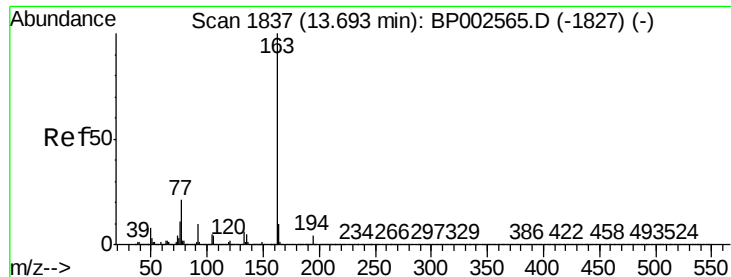
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.7	116.5
141	35.8	29.0	43.6



#45
 2-Fluorobiphenyl
 Concen: 90.203 ng
 RT: 12.83 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BP002707.D
 Acq: 09 Jul 2020 20:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.0	42.0
170	23.7	19.0	28.4





#50

Dimethylphthalate

Concen: 17.251 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BP002707.D

Acq: 09 Jul 2020 20:47

Instrument :

BNA_P

ClientSampleId :

OK-02-070720

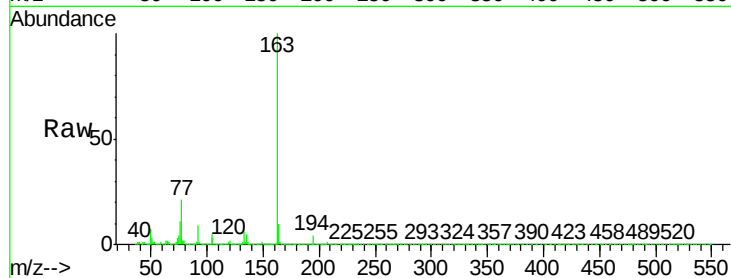
Tot Ion:163 Resp: 200729

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

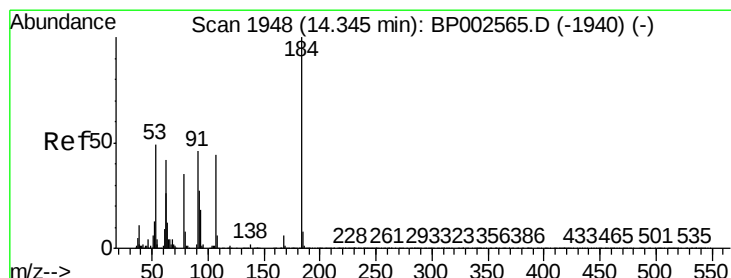
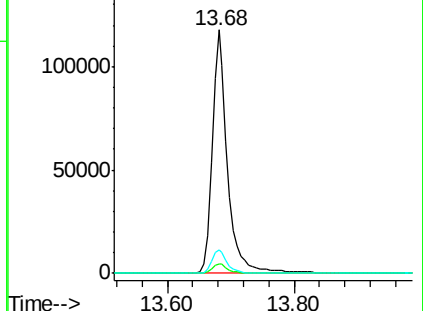
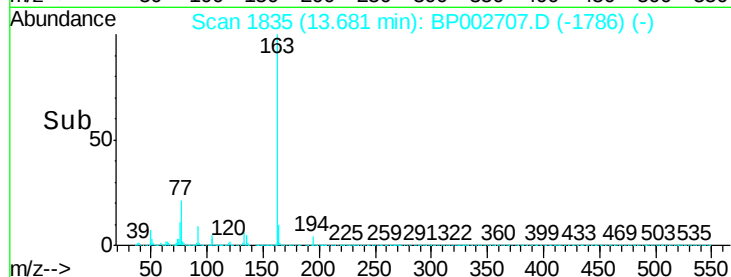
164 9.7 8.2 12.4



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: 6.029 ng

RT: 14.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BP002707.D

Acq: 09 Jul 2020 20:47

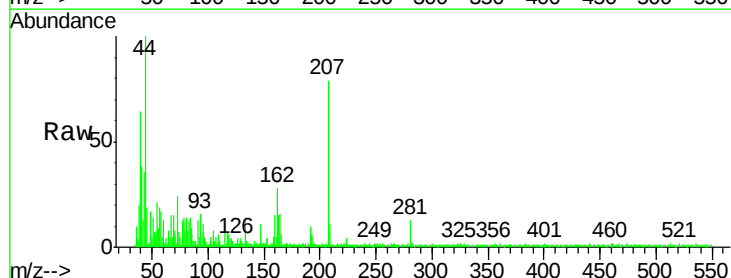
Tgt Ion:184 Resp: 34

Ion Ratio Lower Upper

184 100

63 204.0 56.2 84.2#

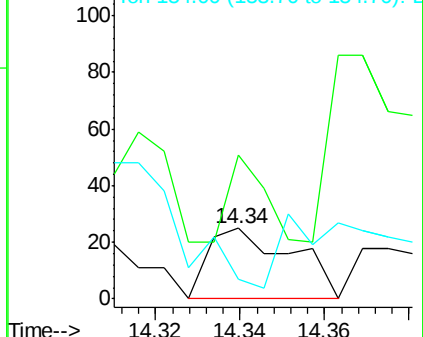
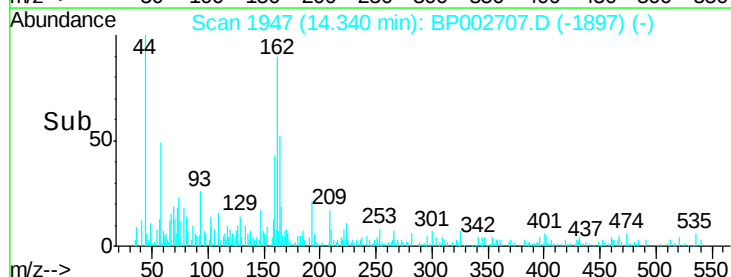
154 28.0 50.9 76.3#

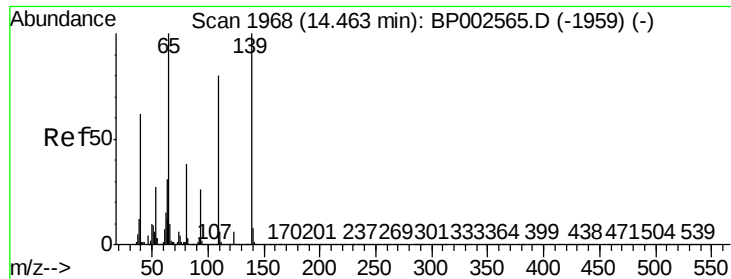


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

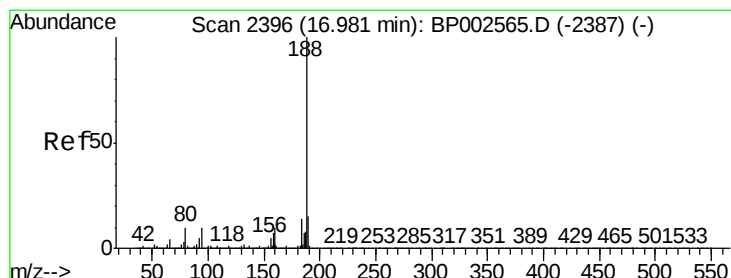
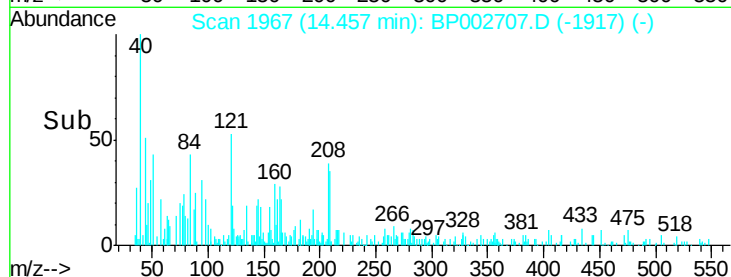
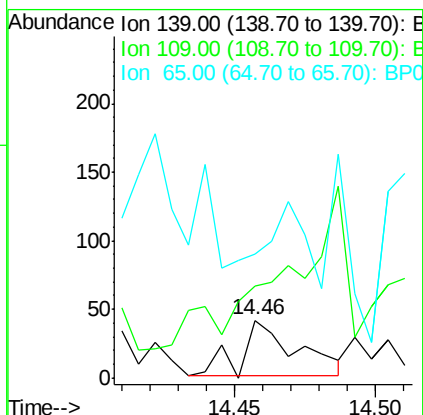
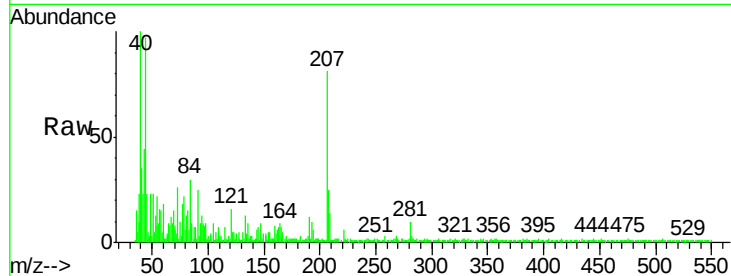




#56
4-Nitrophenol
Concen: 2.460 ng
RT: 14.46 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BP002707.D
Acq: 09 Jul 2020 20:47

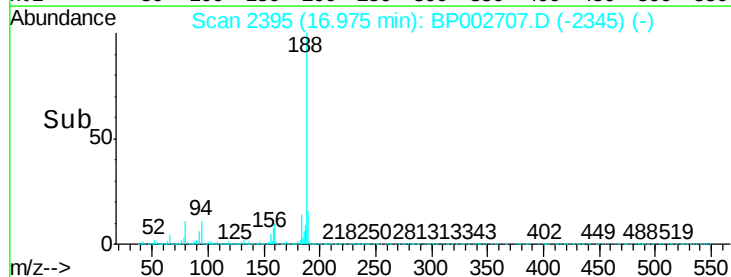
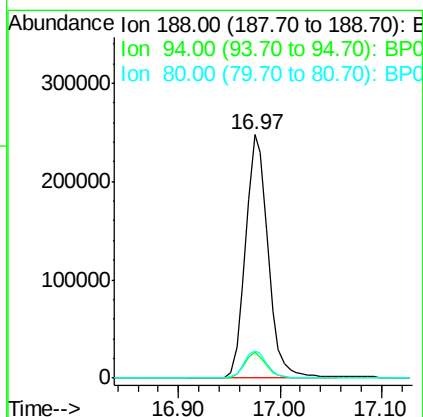
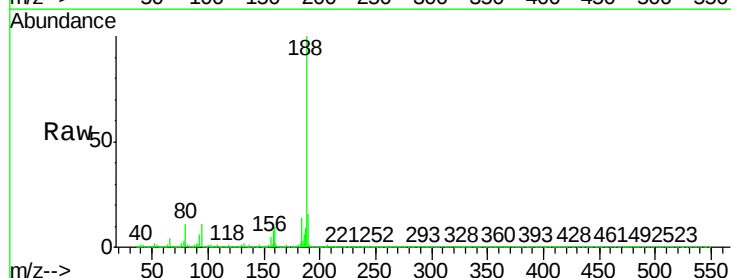
Instrument :
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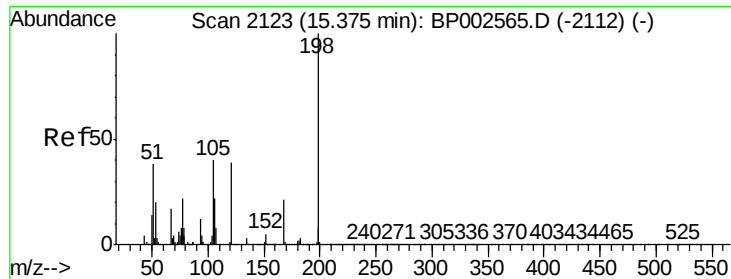
Tot Ion:139 Resp: 54
Ion Ratio Lower Upper
139 100
109 159.5 60.1 100.1#
65 214.3 80.3 120.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BP002707.D
Acq: 09 Jul 2020 20:47

Tgt Ion:188 Resp: 381797
Ion Ratio Lower Upper
188 100
94 10.9 7.8 11.6
80 11.3 8.2 12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 2.720 ng

RT: 15.37 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BP002707.D

Acq: 09 Jul 2020 20:47

Instrument :

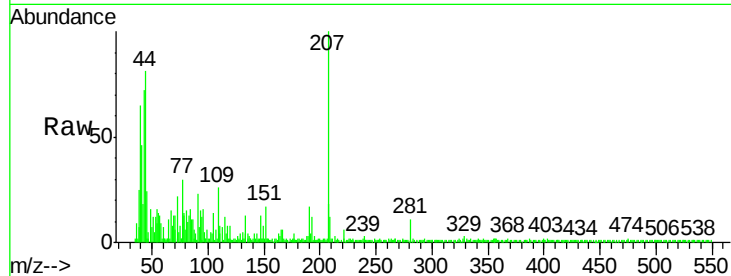
BNA_P

ClientSampleId :

OK-02-070720

Tot Ion:198 Resp: 26

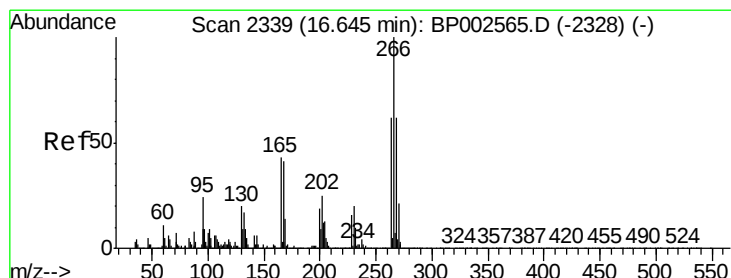
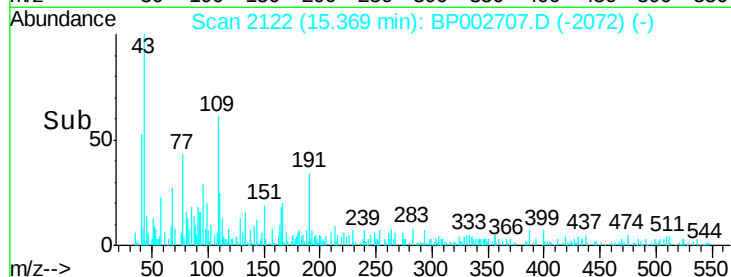
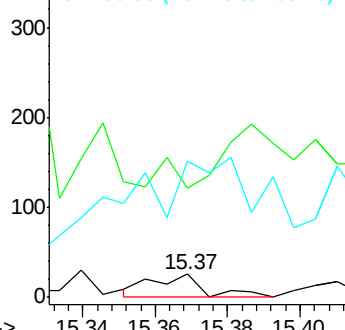
Ion	Ratio	Lower	Upper
198	100		
51	469.2	24.2	64.2#
105	580.8	20.7	60.7#



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



#70

Pentachlorophenol

Concen: 2.670 ng

RT: 16.46 min Scan# 2308

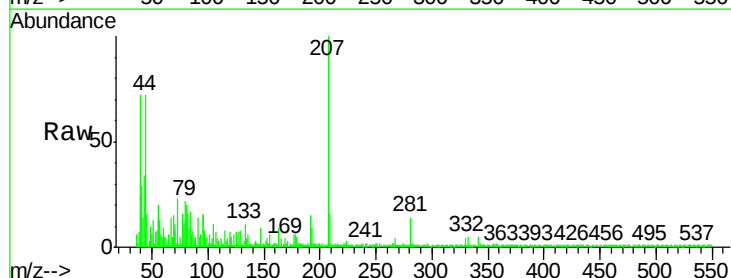
Delta R.T. -0.18 min

Lab File: BP002707.D

Acq: 09 Jul 2020 20:47

Tgt Ion:266 Resp: 23

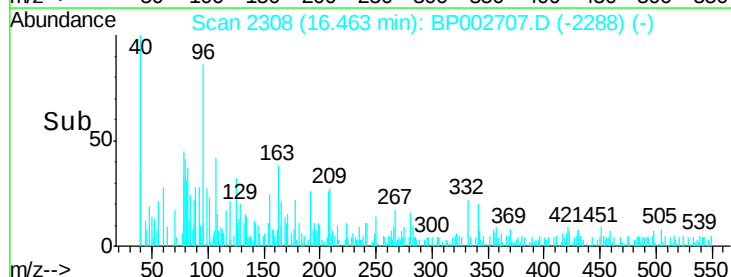
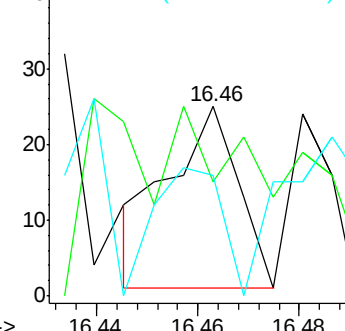
Ion	Ratio	Lower	Upper
266	100		
268	60.0	49.7	74.5
264	64.0	49.3	73.9

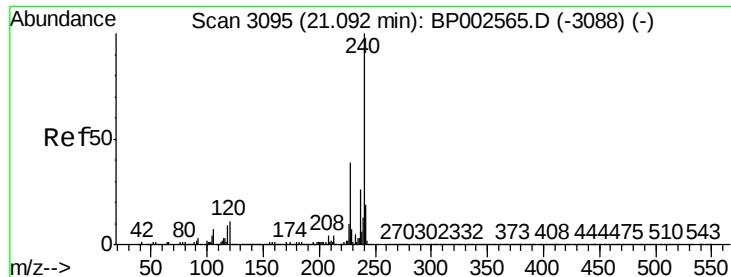


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

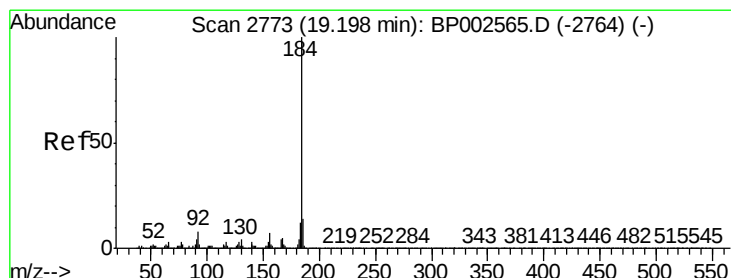
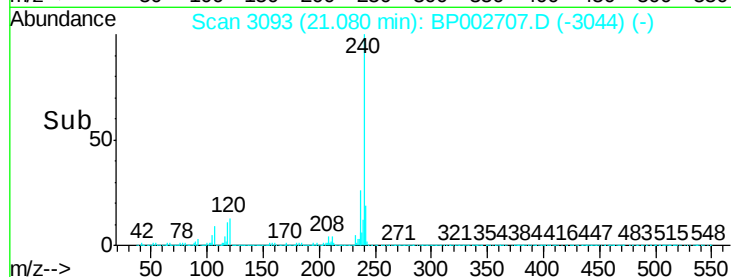
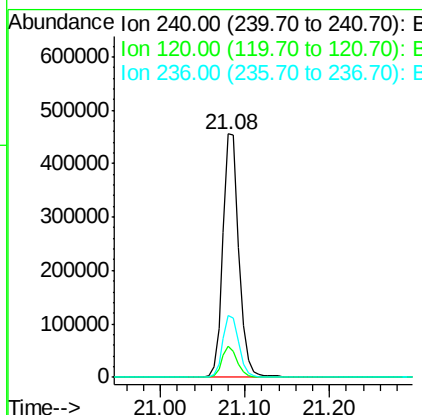
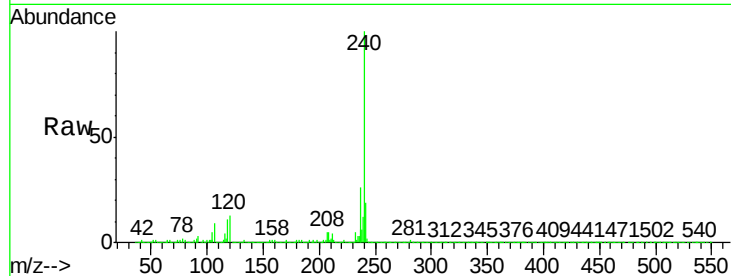




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BP002707.D
Acq: 09 Jul 2020 20:47

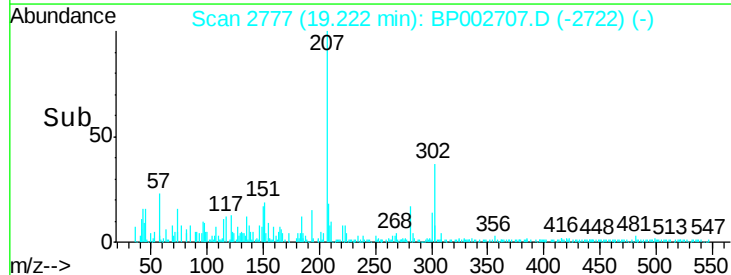
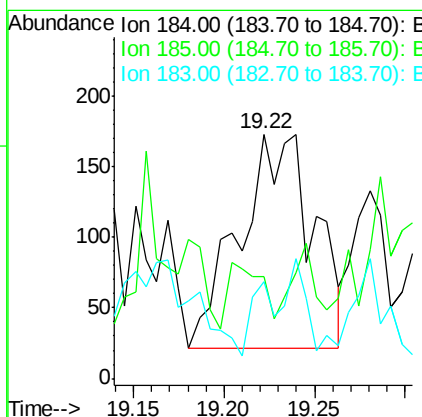
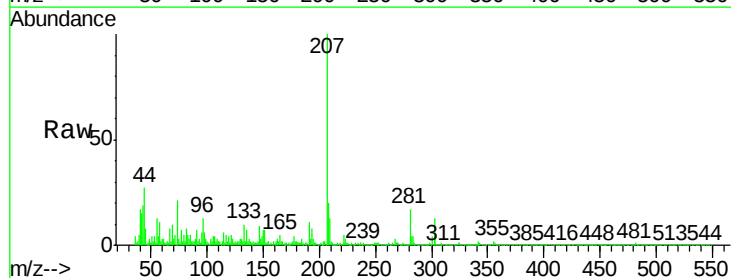
Instrument :
BNA_P
ClientSampleId :
OK-02-070720

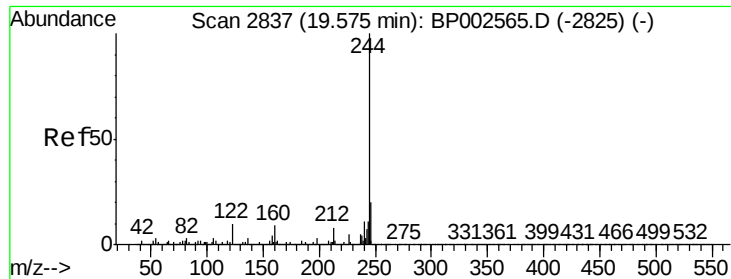
Tot Ion:240 Resp: 604100
Ion Ratio Lower Upper
240 100
120 12.6 8.6 13.0
236 25.6 20.8 31.2



#77
Benzidine
Concen: 3.772 ng
RT: 19.22 min Scan# 2777
Delta R.T. 0.02 min
Lab File: BP002707.D
Acq: 09 Jul 2020 20:47

Tgt Ion:184 Resp: 433
Ion Ratio Lower Upper
184 100
185 41.6 11.4 17.2#
183 39.9 9.2 13.8#





#79

Terphenyl-d14

Concen: 83.221 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP002707.D

Acq: 09 Jul 2020 20:47

Instrument :

BNA_P

ClientSampleId :

OK-02-070720

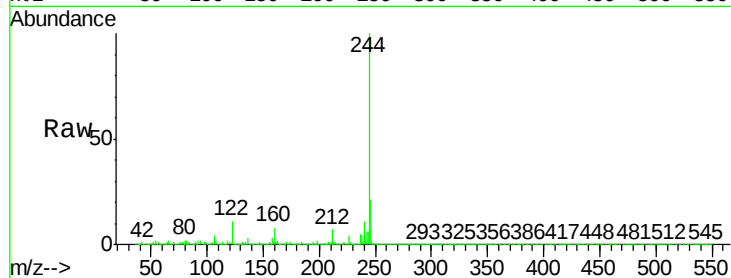
Tot Ion:244 Resp: 2329136

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

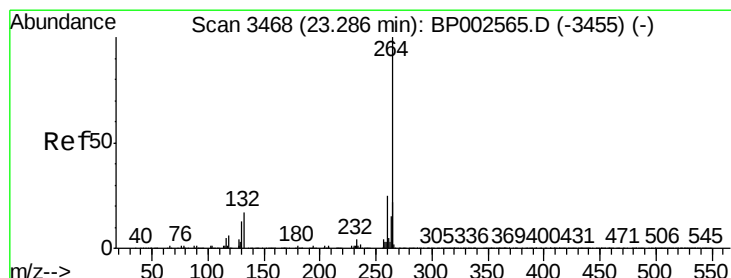
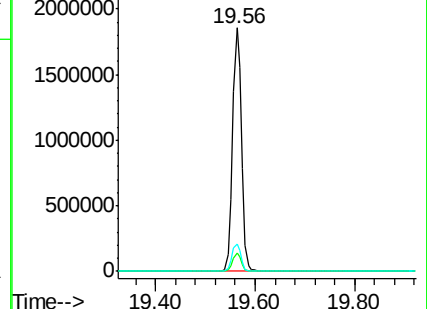
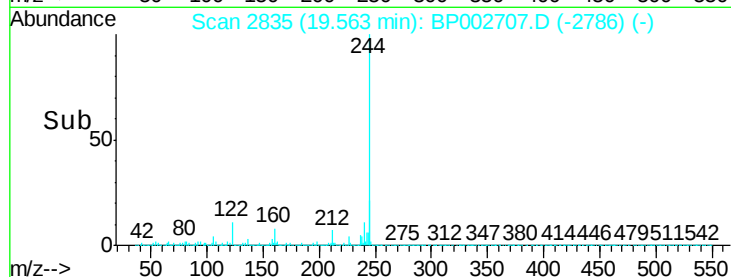
122 11.5 7.9 11.9



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

Perylene-d12

Concen: 20.000 ng

RT: 23.28 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BP002707.D

Acq: 09 Jul 2020 20:47

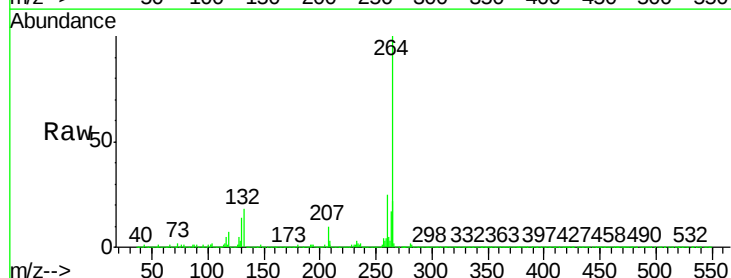
Tgt Ion:264 Resp: 798056

Ion Ratio Lower Upper

264 100

260 24.9 19.7 29.5

265 22.0 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

