

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
 Data File : BP002681.D
 Acq On : 08 Jul 2020 18:35
 Operator : CG/JU
 Sample : L3203-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-20

Quant Time: Jul 08 19:08:04 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

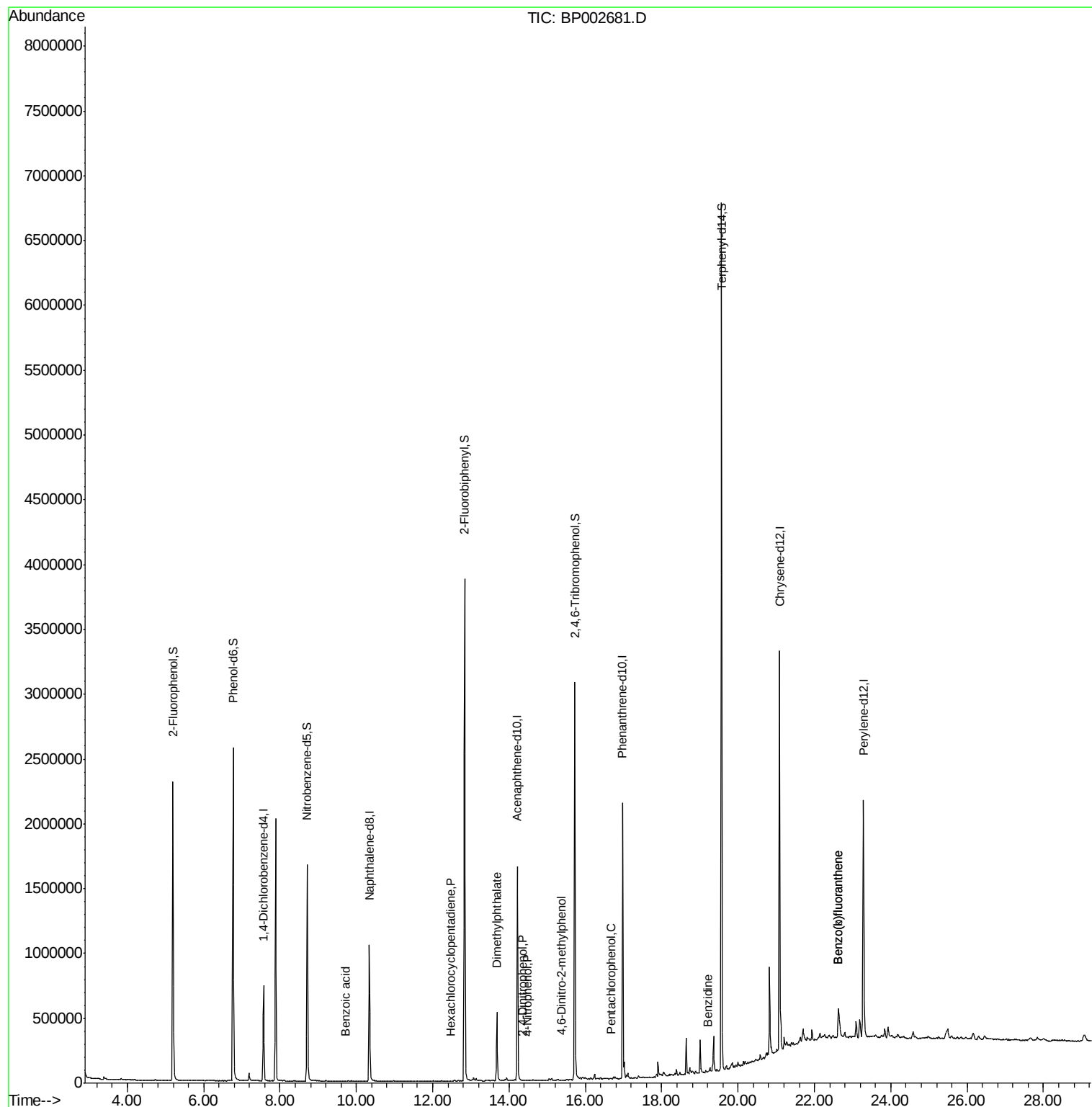
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	204739	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	879228	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	561423	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1247987	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1389413	20.00	ng	0.00
86) Perylene-d12	23.28	264	1237978	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1097568	90.76	ng	0.00
7) Phenol-d6	6.77	99	1631047	96.64	ng	0.00
23) Nitrobenzene-d5	8.71	82	1009516	59.16	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	579515	84.87	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	2148652	56.33	ng	0.00
79) Terphenyl-d14	19.57	244	3372300	52.39	ng	0.00
Target Compounds						
9) Benzaldehyde	6.70	77	99	Below Cal	Qvalue #	46
32) Benzoic acid	9.72	122	51	8.704 ng	#	1
41) Hexachlorocyclopentadiene	12.46	237	26	4.384 ng		93
50) Dimethylphthalate	13.68	163	358769	8.136 ng		99
54) 2,4-Dinitrophenol	14.35	184	10	6.010 ng	#	1
56) 4-Nitrophenol	14.47	139	74	2.445 ng	#	66
65) 4,6-Dinitro-2-methylphenol	15.37	198	16	2.712 ng	#	1
70) Pentachlorophenol	16.66	266	318	2.697 ng	#	67
77) Benzidine	19.20	184	100	3.758 ng	#	12
88) Benzo(b)fluoranthene	22.62	252	167930	2.126 ng	#	97
89) Benzo(k)fluoranthene	22.62	252	167930	2.279 ng	#	97

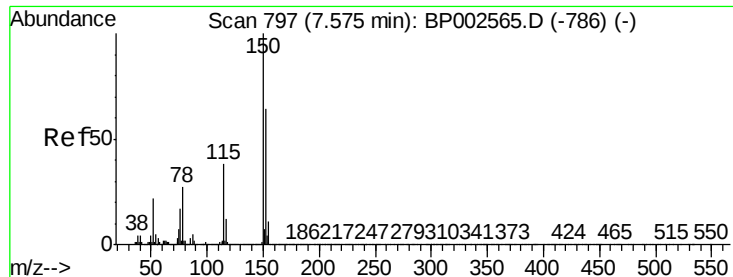
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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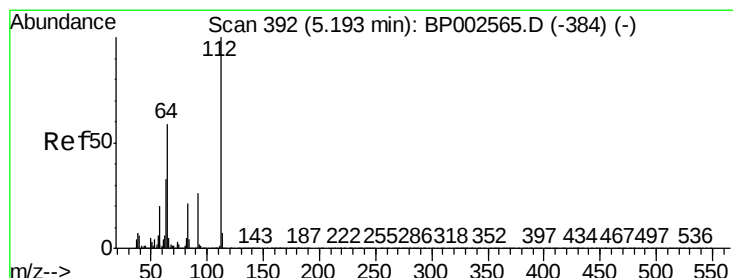
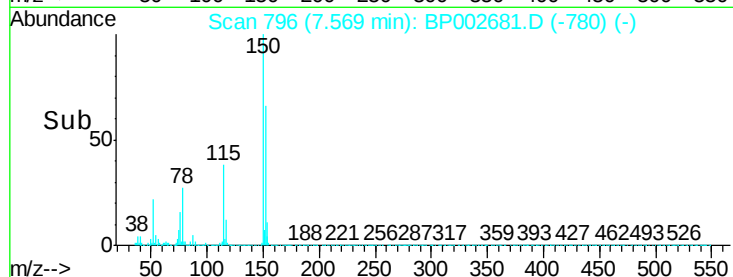
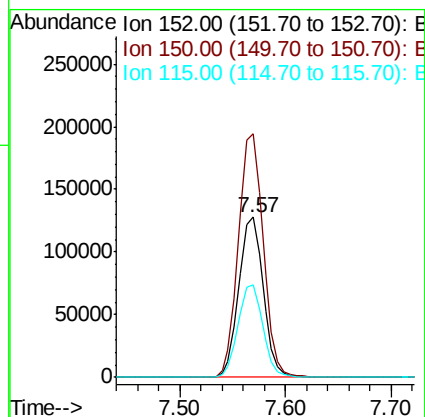
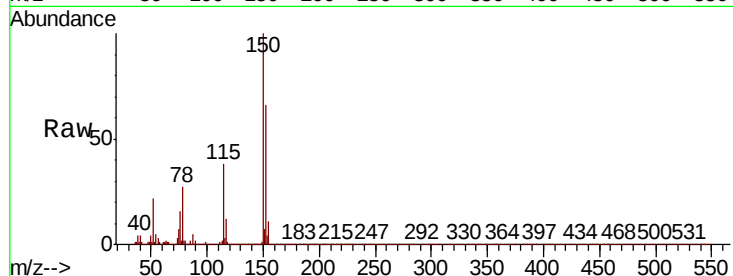


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002681.D
Acq: 08 Jul 2020 18:35

Instrument :
BNA_P
ClientSampleId :
RO-20

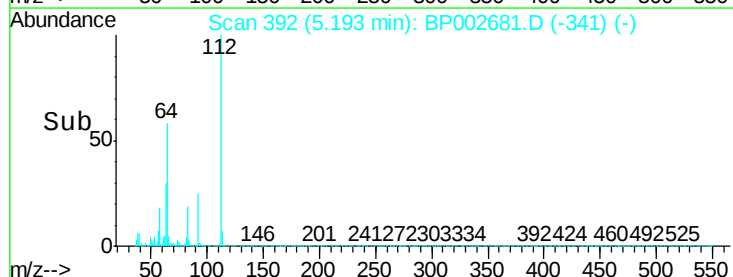
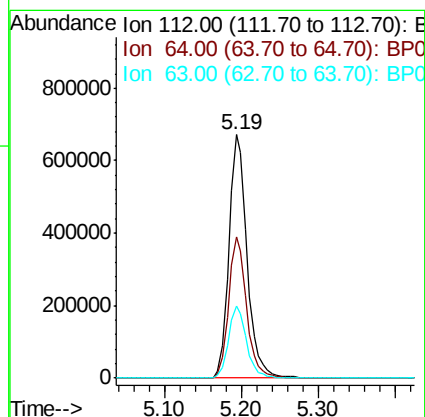
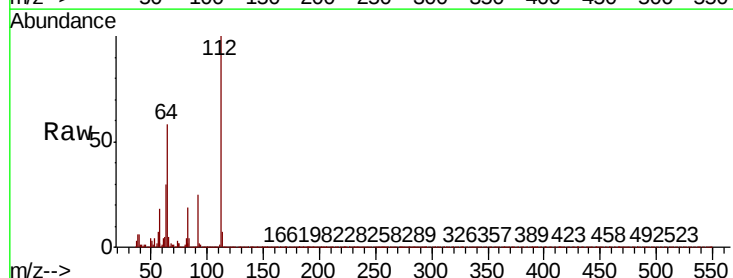
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.2	186.2
115	57.4	47.1	70.7

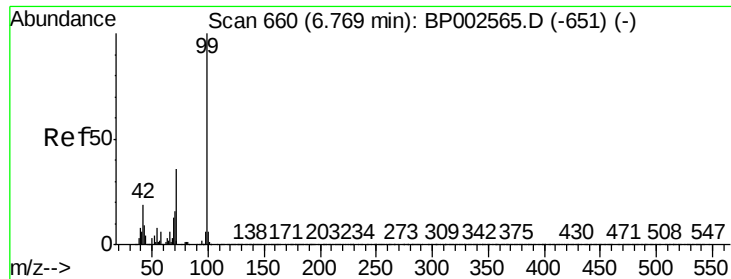


#5

2-Fluorophenol
Concen: 90.765 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002681.D
Acq: 08 Jul 2020 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.0	70.6
63	29.8	26.1	39.1





#7

Phenol-d6

Concen: 96.638 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.00 min

Lab File: BP002681.D

Acq: 08 Jul 2020 18:35

Instrument :

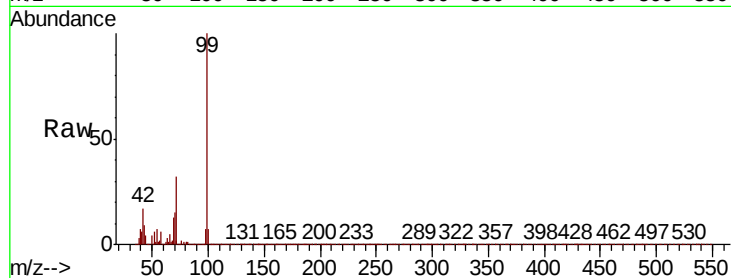
BNA_P

ClientSampleId :

RO-20

Tot Ion: 99 Resp: 1631047

Ion	Ratio	Lower	Upper
99	100		
42	17.5	15.5	23.3
71	32.1	28.9	43.3

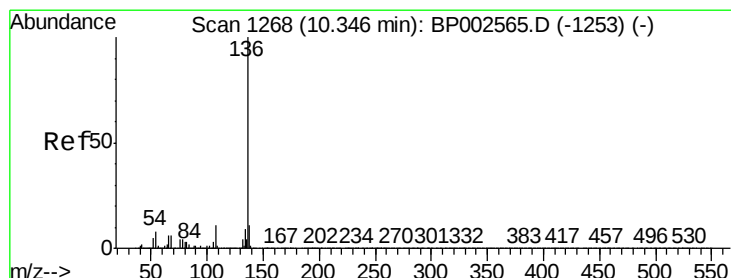
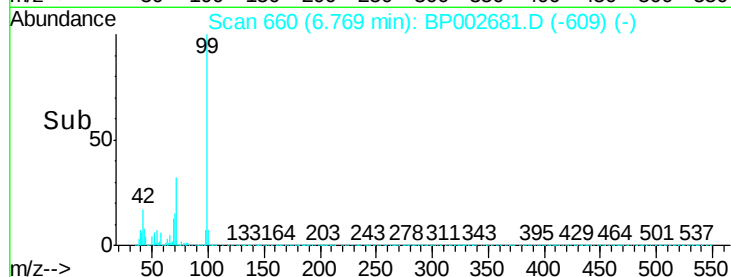
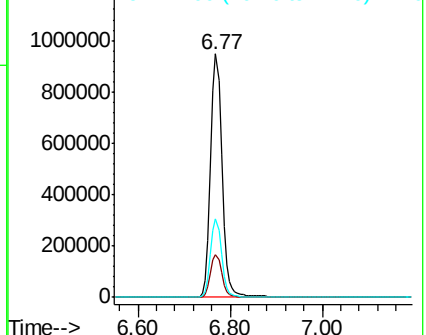


Abundance

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

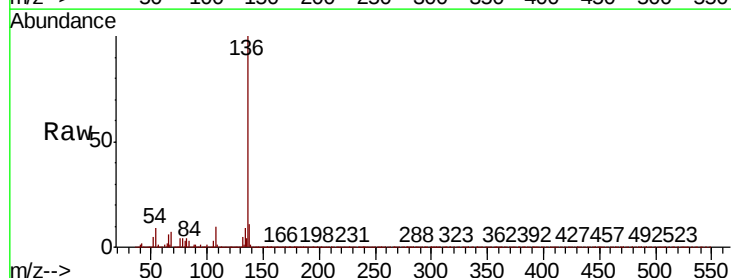
Delta R.T. -0.01 min

Lab File: BP002681.D

Acq: 08 Jul 2020 18:35

Tgt Ion: 136 Resp: 879228

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.6	6.4	9.6
68	7.0	5.1	7.7



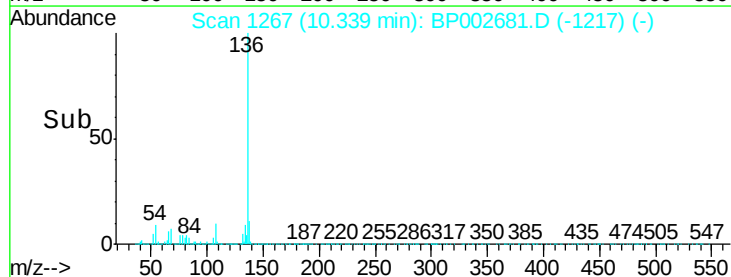
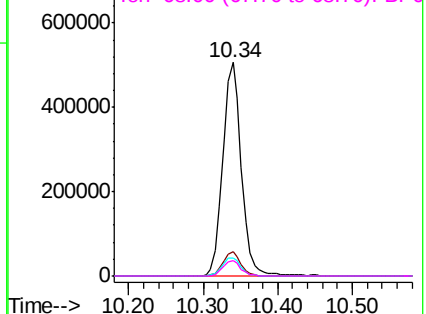
Abundance

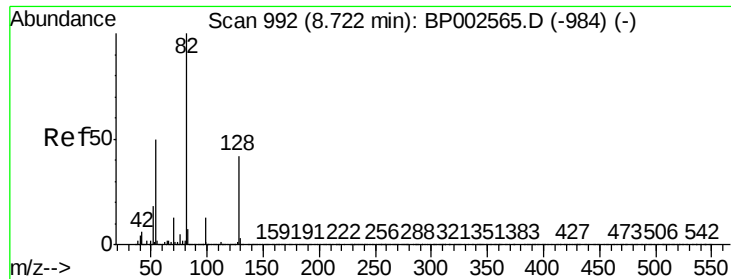
Ion 136.00 (135.70 to 136.70): E

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

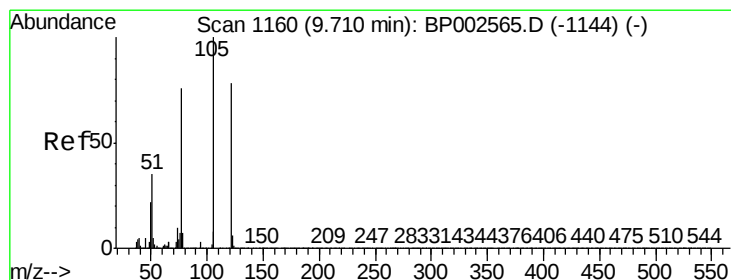
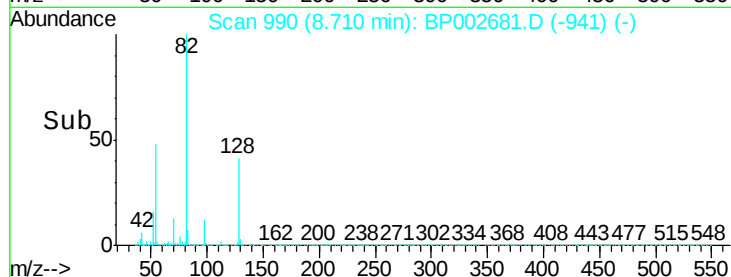
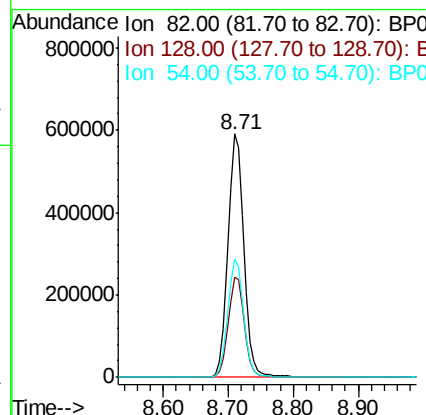
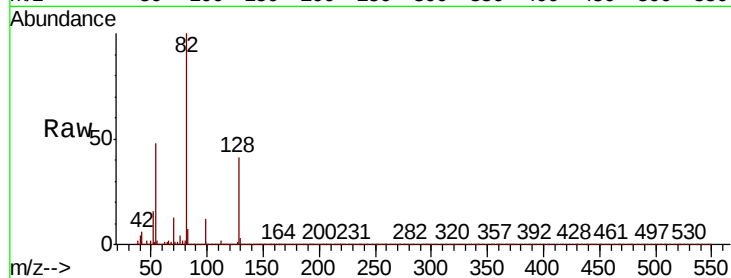




#23
 Nitrobenzene-d5
 Concen: 59.161 ng
 RT: 8.71 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BP002681.D
 Acq: 08 Jul 2020 18:35

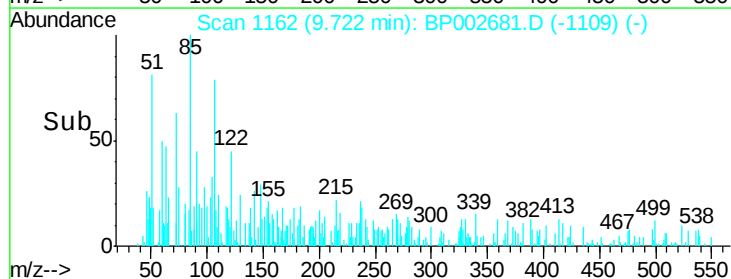
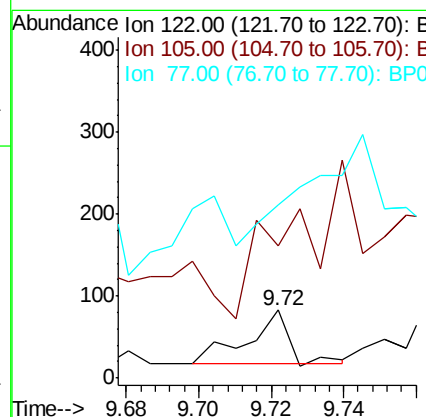
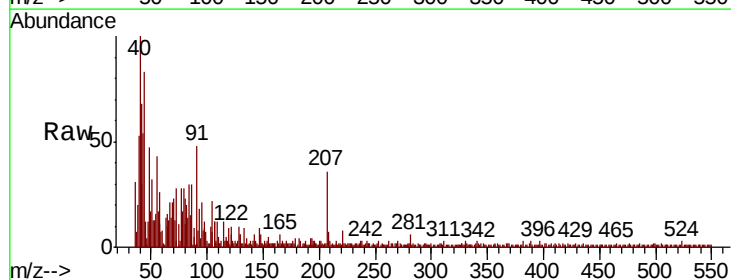
Instrument :
 BNA_P
 ClientSampleId :
 RO-20

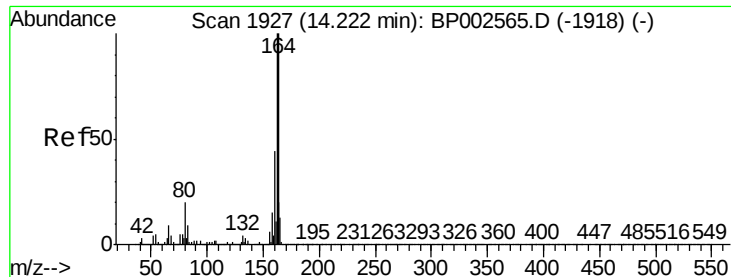
Tot Ion: 82 Resp: 1009516
 Ion Ratio Lower Upper
 82 100
 128 41.1 33.4 50.2
 54 48.5 40.1 60.1



#32
 Benzoic acid
 Concen: 8.704 ng
 RT: 9.72 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BP002681.D
 Acq: 08 Jul 2020 18:35

Tgt Ion: 122 Resp: 51
 Ion Ratio Lower Upper
 122 100
 105 194.0 106.6 146.6#
 77 255.4 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: BP002681.D

Acq: 08 Jul 2020 18:35

Instrument :

BNA_P

ClientSampleId :

RO-20

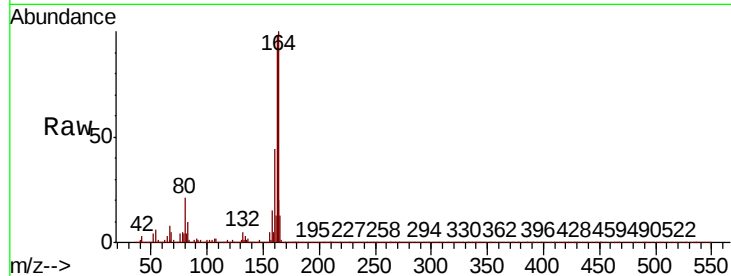
Tot Ion:164 Resp: 561423

Ion Ratio Lower Upper

164 100

162 97.6 80.3 120.5

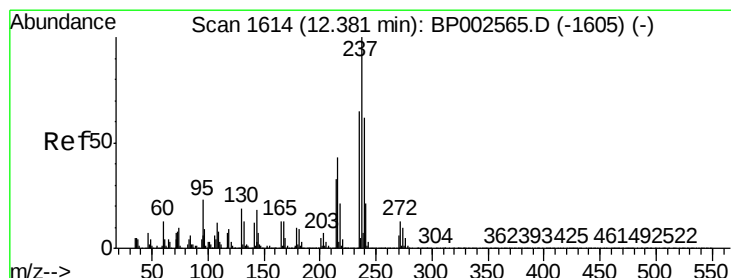
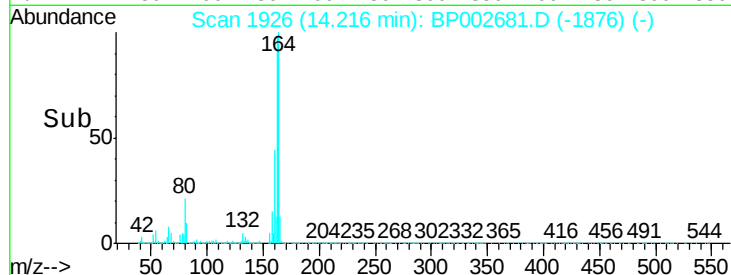
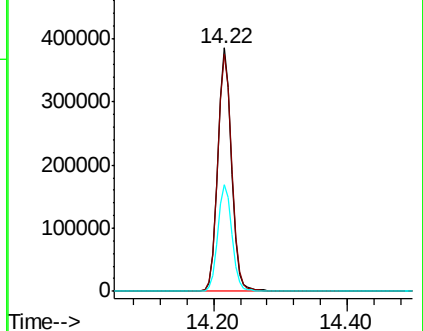
160 43.9 35.0 52.6



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: 4.384 ng

RT: 12.46 min Scan# 1627

Delta R.T. 0.08 min

Lab File: BP002681.D

Acq: 08 Jul 2020 18:35

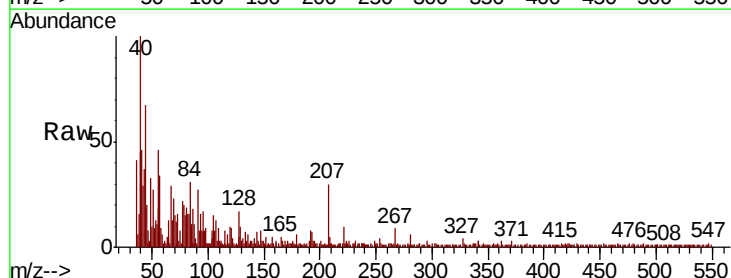
Tgt Ion:237 Resp: 26

Ion Ratio Lower Upper

237 100

235 61.8 45.4 85.4

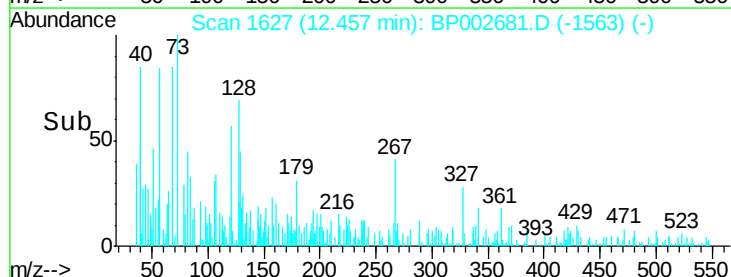
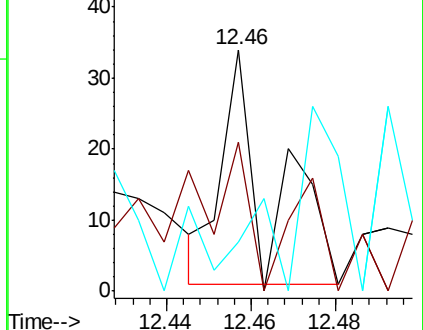
272 20.6 0.0 32.6

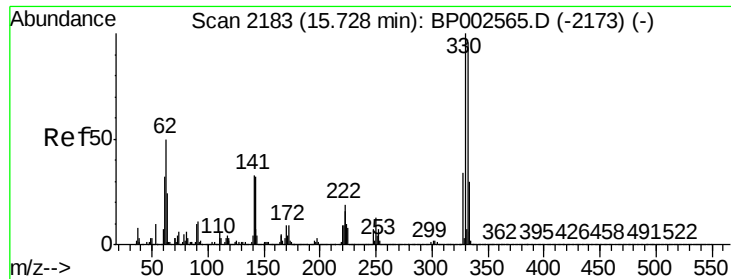


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

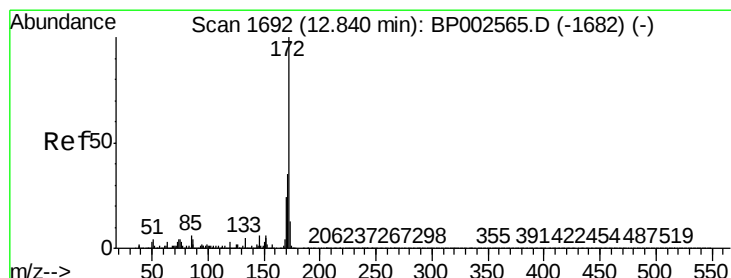
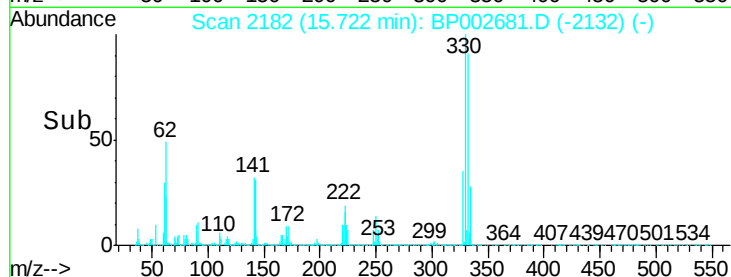
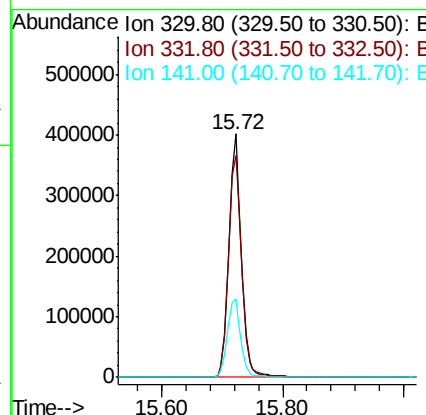
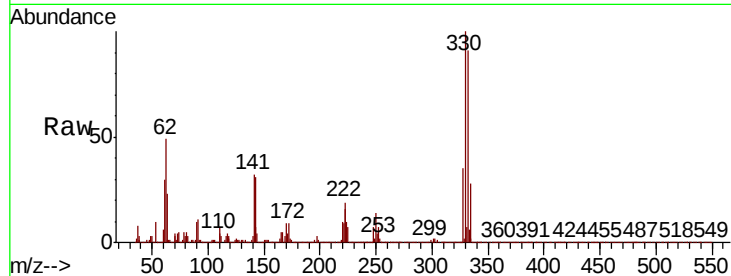




#42
 2,4,6-Tribromophenol
 Concen: 84.867 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002681.D
 Acq: 08 Jul 2020 18:35

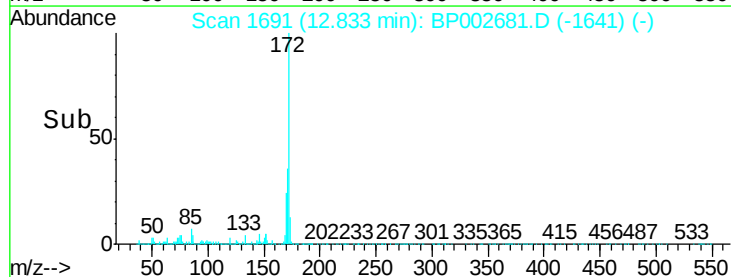
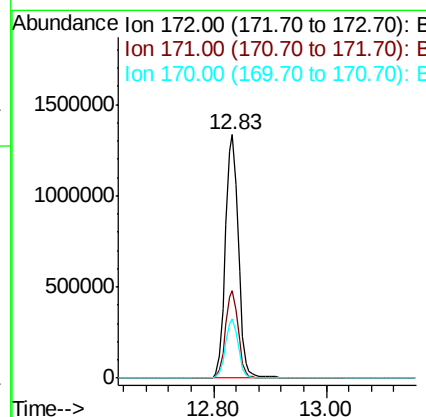
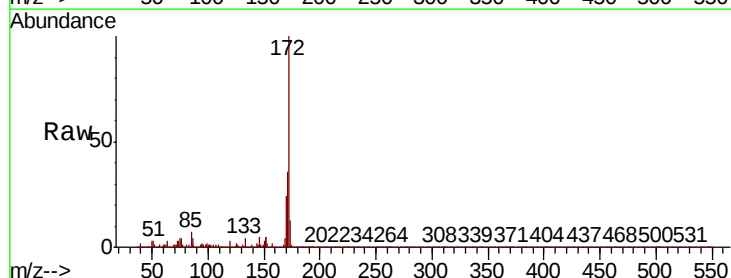
Instrument :
 BNA_P
 ClientSampled :
 RO-20

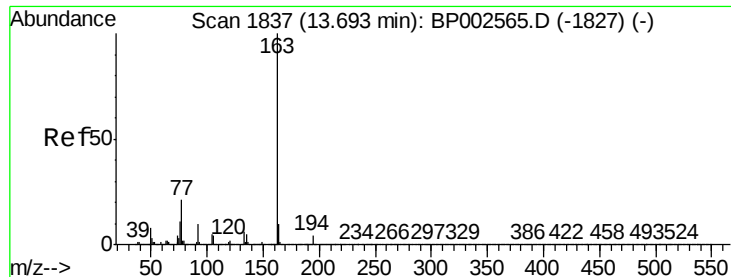
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.7	116.5
141	34.5	29.0	43.6



#45
 2-Fluorobiphenyl
 Concen: 56.329 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002681.D
 Acq: 08 Jul 2020 18:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.0	42.0
170	24.2	19.0	28.4





#50

Dimethylphthalate

Concen: 8.136 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BP002681.D

Acq: 08 Jul 2020 18:35

Instrument :

BNA_P

ClientSampleId :

RO-20

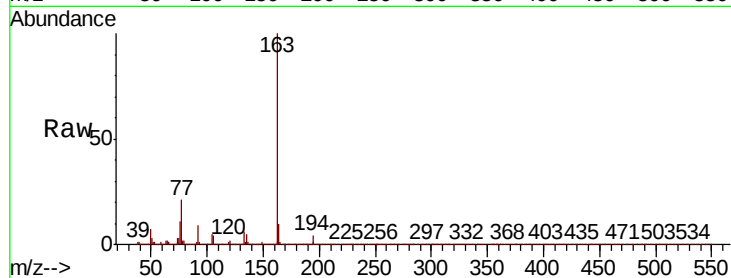
Tot Ion:163 Resp: 358769

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

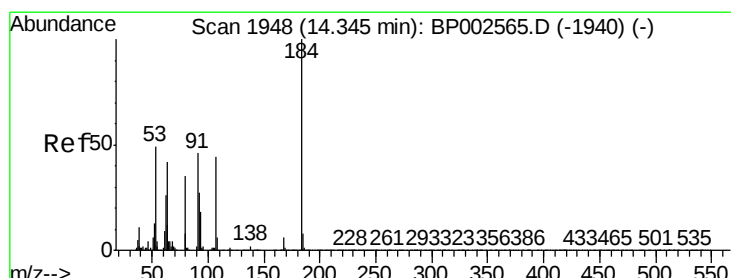
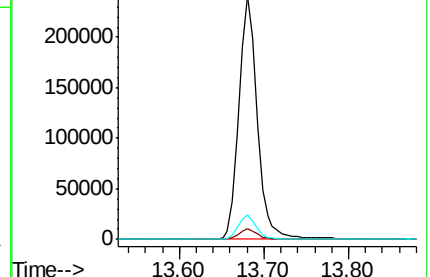
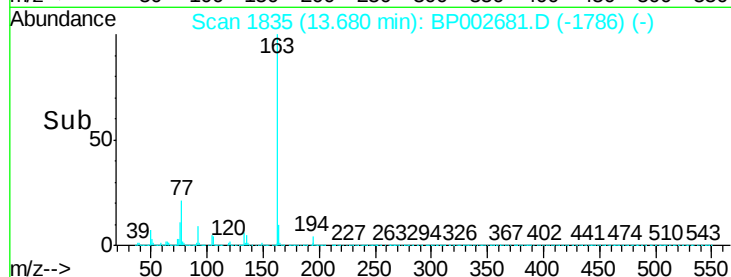
164 10.0 8.2 12.4



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: 6.010 ng

RT: 14.35 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BP002681.D

Acq: 08 Jul 2020 18:35

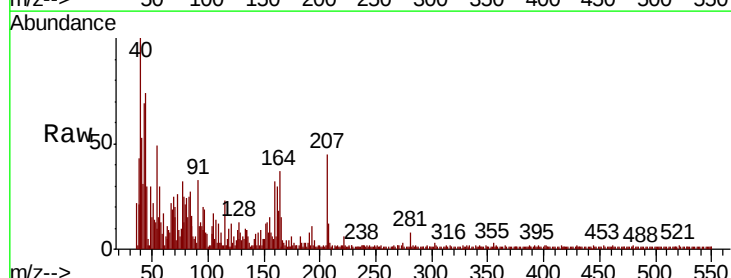
Tgt Ion:184 Resp: 10

Ion Ratio Lower Upper

184 100

63 377.8 56.2 84.2#

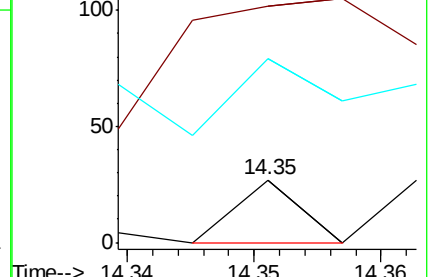
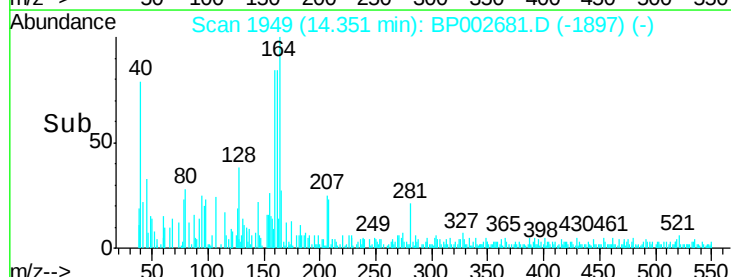
154 292.6 50.9 76.3#

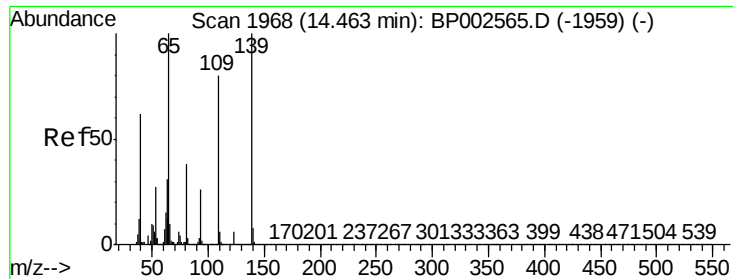


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

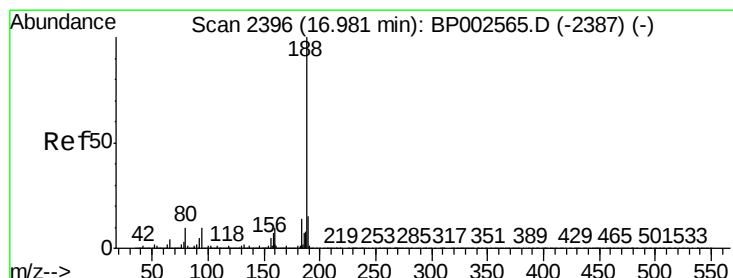
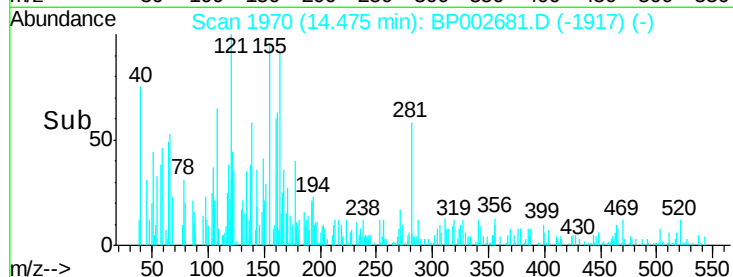
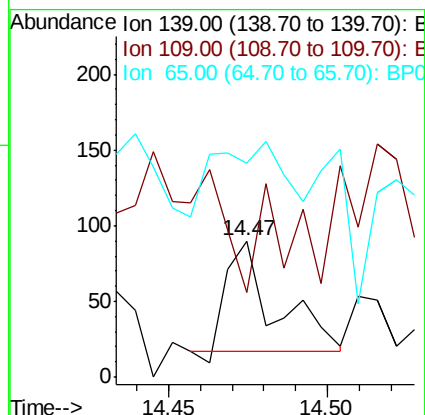
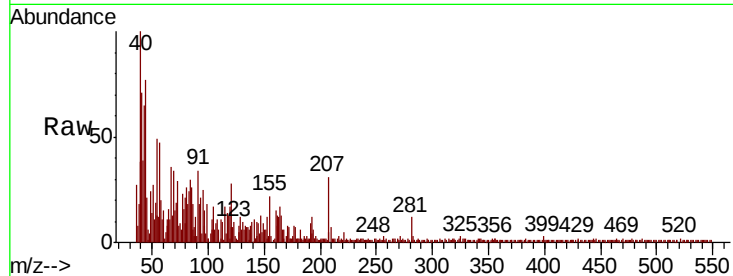




#56
4-Nitrophenol
Concen: 2.445 ng
RT: 14.47 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BP002681.D
Acq: 08 Jul 2020 18:35

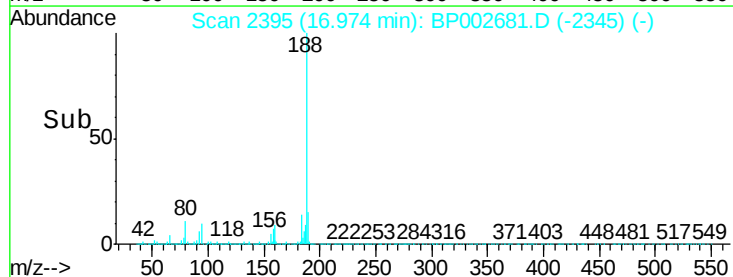
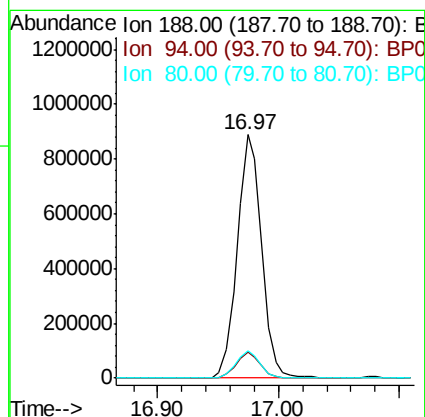
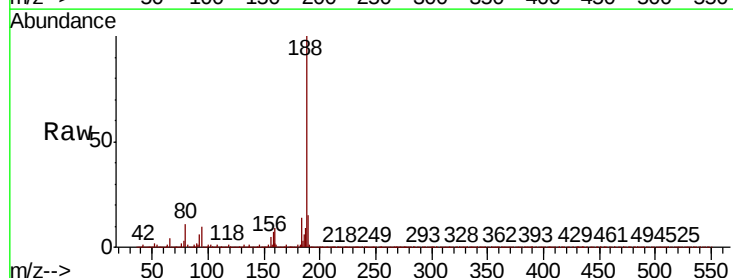
Instrument :
BNA_P
ClientSampled :
RO-20

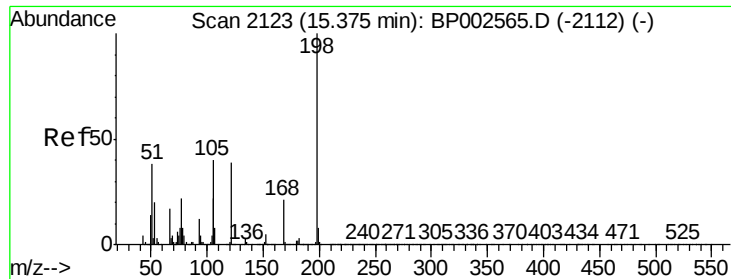
Tot Ion:139 Resp: 74
Ion Ratio Lower Upper
139 100
109 75.6 60.1 100.1
65 156.7 80.3 120.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BP002681.D
Acq: 08 Jul 2020 18:35

Tgt Ion:188 Resp: 1247987
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 11.1 8.2 12.4

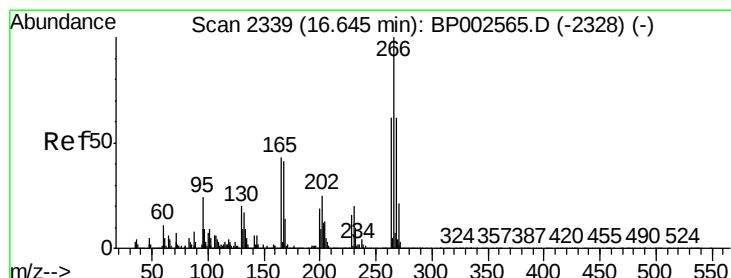
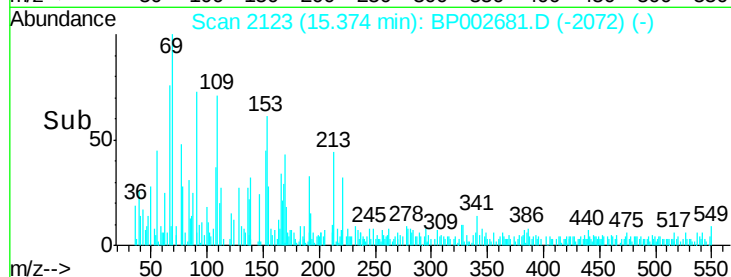
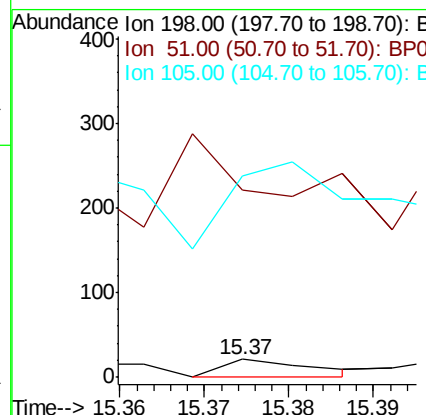
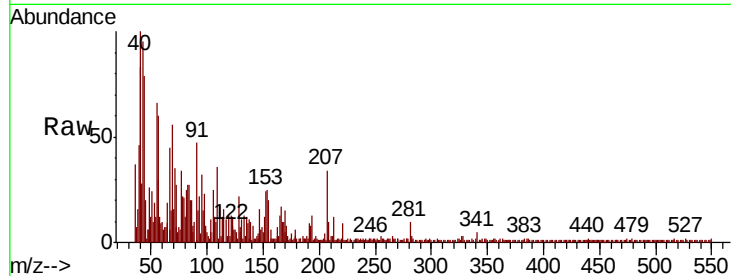




#65
4,6-Dinitro-2-methylphenol
Concen: 2.712 ng
RT: 15.37 min Scan# 2123
Delta R.T. 0.00 min
Lab File: BP002681.D
Acq: 08 Jul 2020 18:35

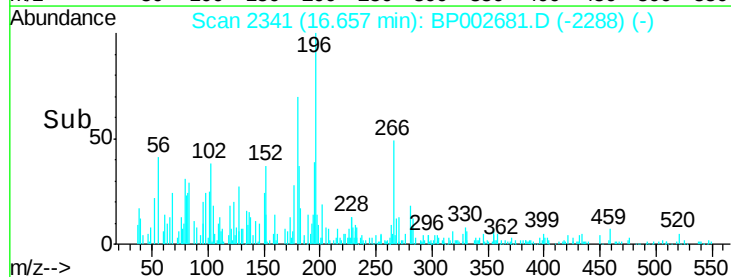
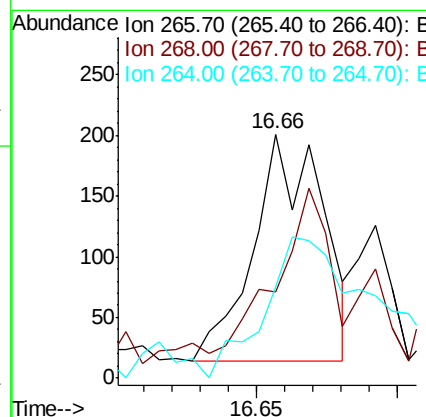
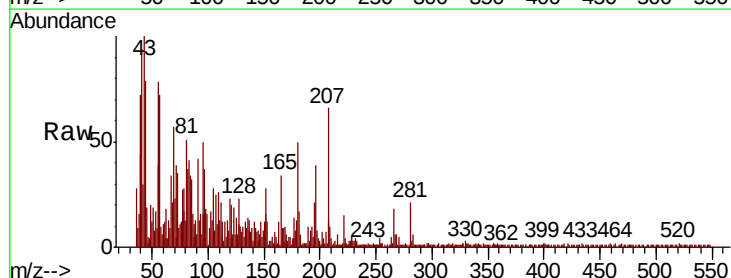
Instrument :
BNA_P
ClientSampled :
RO-20

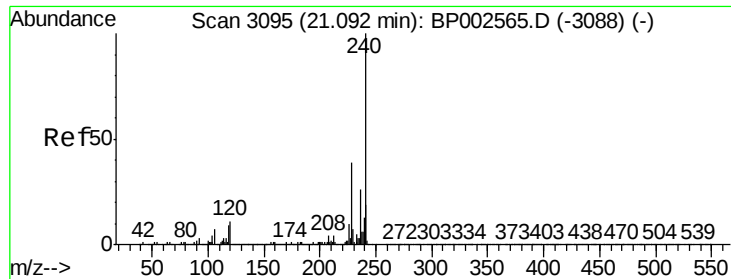
Tot Ion:198 Resp: 16
Ion Ratio Lower Upper
198 100
51 1052.4 24.2 64.2#
105 1133.3 20.7 60.7#



#70
Pentachlorophenol
Concen: 2.697 ng
RT: 16.66 min Scan# 2341
Delta R.T. 0.01 min
Lab File: BP002681.D
Acq: 08 Jul 2020 18:35

Tgt Ion:266 Resp: 318
Ion Ratio Lower Upper
266 100
268 35.3 49.7 74.5#
264 37.3 49.3 73.9#

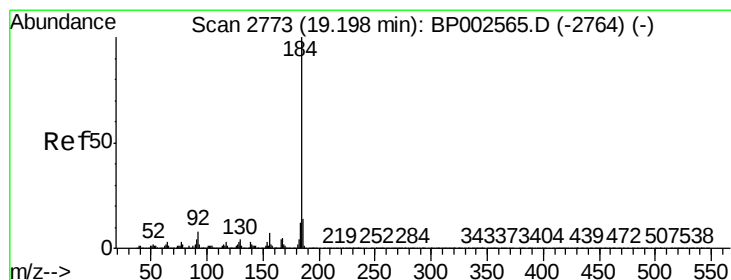
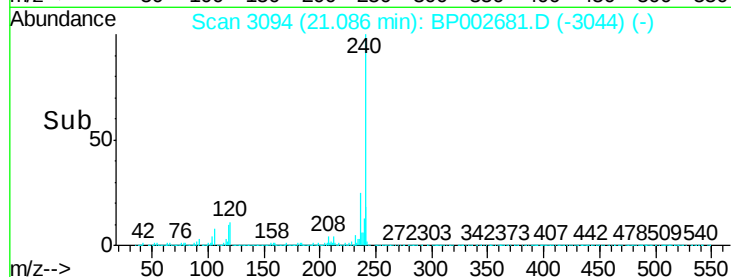
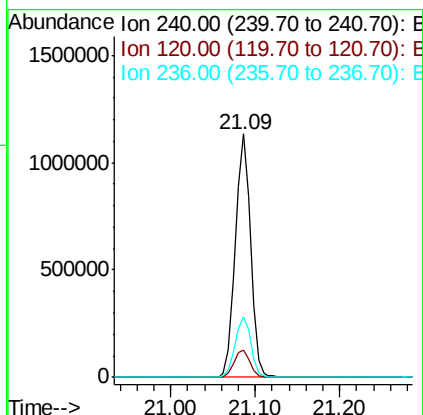
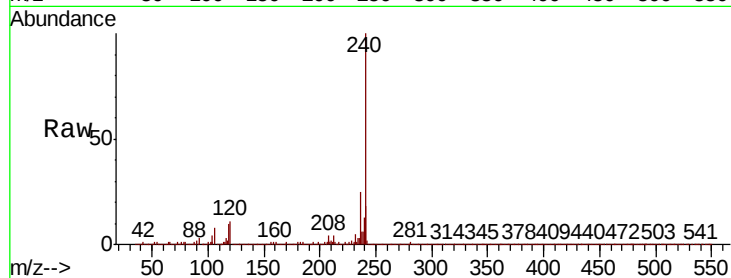




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002681.D
Acq: 08 Jul 2020 18:35

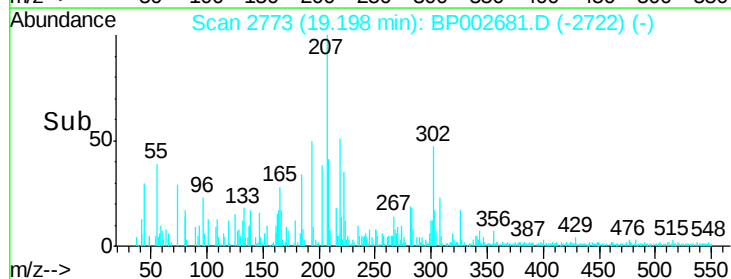
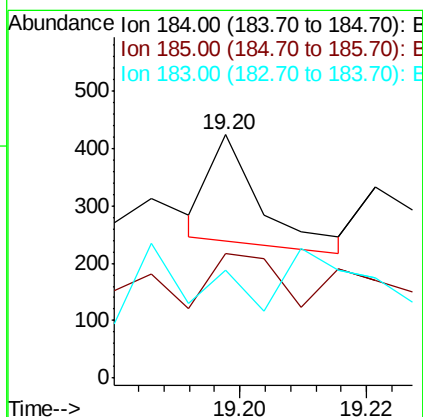
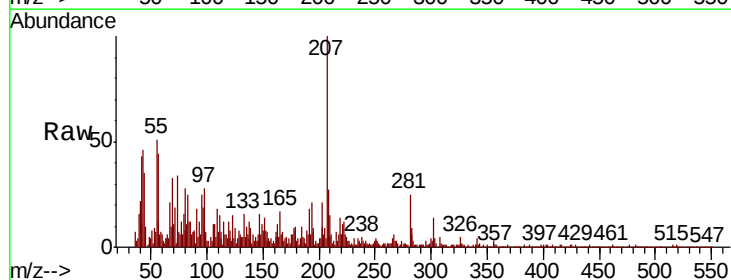
Instrument :
BNA_P
ClientSampleId :
RO-20

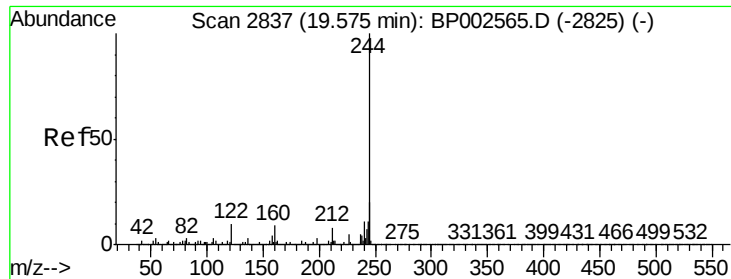
Tot Ion:240 Resp: 1389413
Ion Ratio Lower Upper
240 100
120 11.3 8.6 13.0
236 25.1 20.8 31.2



#77
Benzidine
Concen: 3.758 ng
RT: 19.20 min Scan# 2773
Delta R.T. -0.00 min
Lab File: BP002681.D
Acq: 08 Jul 2020 18:35

Tgt Ion:184 Resp: 100
Ion Ratio Lower Upper
184 100
185 51.4 11.4 17.2#
183 44.3 9.2 13.8#





#79

Terphenyl-d14

Concen: 52.389 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002681.D

Acq: 08 Jul 2020 18:35

Instrument :

BNA_P

ClientSampleId :

RO-20

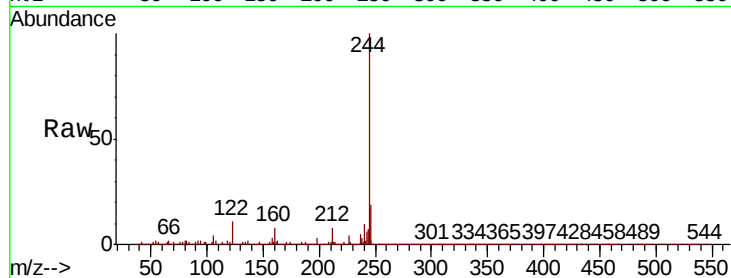
Tot Ion:244 Resp: 3372300

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

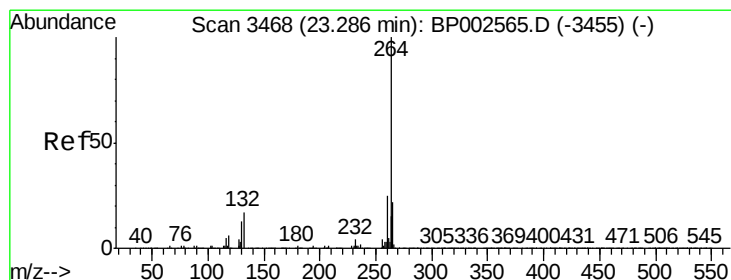
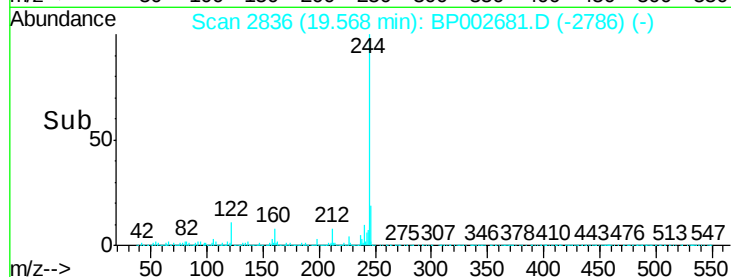
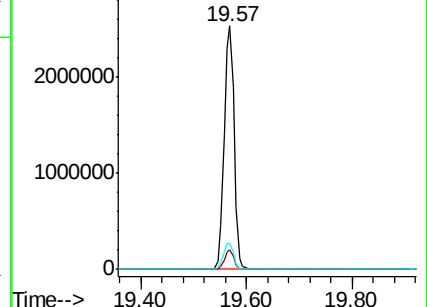
122 10.8 7.9 11.9



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: BP002681.D

Acq: 08 Jul 2020 18:35

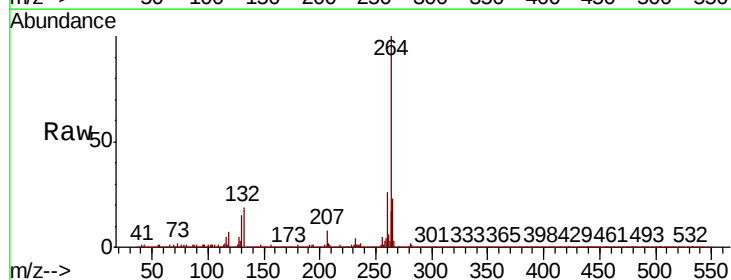
Tgt Ion:264 Resp: 1237978

Ion Ratio Lower Upper

264 100

260 26.2 19.7 29.5

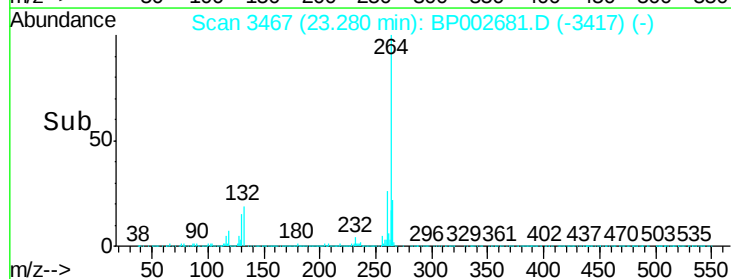
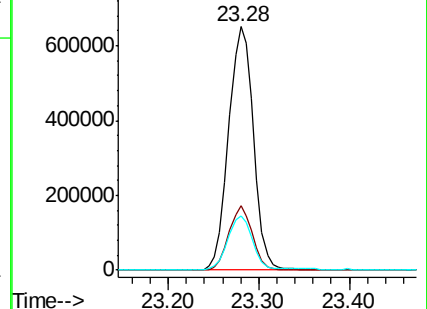
265 22.5 17.6 26.4

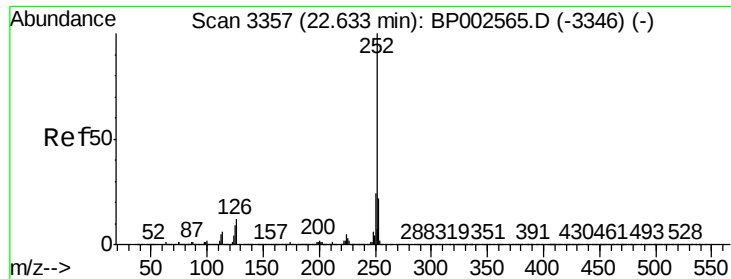


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.126 ng

RT: 22.62 min Scan# 3355

Delta R.T. -0.01 min

Lab File: BP002681.D

Acq: 08 Jul 2020 18:35

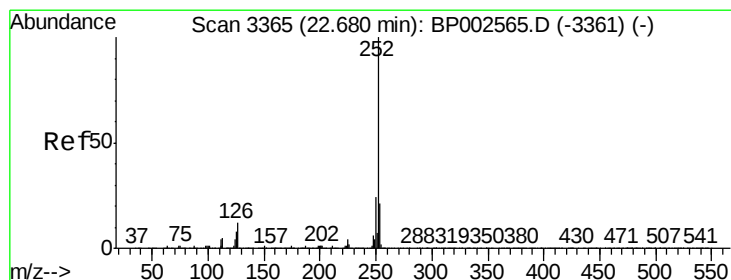
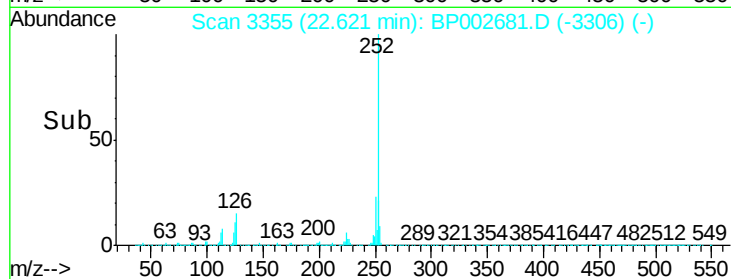
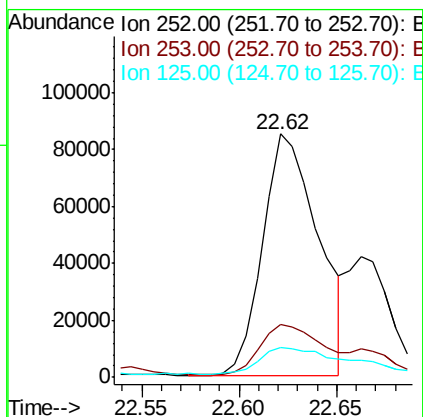
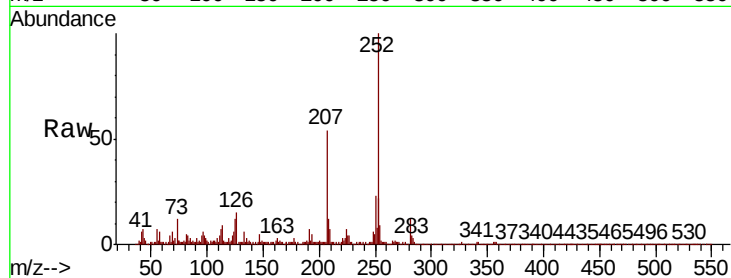
Instrument :

BNA_P

ClientSampleId :

RO-20

Tot Ion:252	Resp:	167930
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.7 26.5
125	12.5	7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 2.279 ng

RT: 22.62 min Scan# 3355

Delta R.T. -0.06 min

Lab File: BP002681.D

Acq: 08 Jul 2020 18:35

Tgt Ion:252	Resp:	167930
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.4 26.0
125	12.5	6.9 10.3#

