

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP080620\
 Data File : BP002922.D
 Acq On : 06 Aug 2020 16:23
 Operator : CG/JU
 Sample : L3548-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CRT-025

Quant Time: Aug 06 17:02:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 15:30:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	349180	20.00	ng	0.00
21) Naphthalene-d8	10.49	136	1413526	20.00	ng	0.00
39) Acenaphthene-d10	14.35	164	934404	20.00	ng	-0.01
64) Phenanthrene-d10	17.10	188	2206980	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	2750966	20.00	ng	-0.01
86) Perylene-d12	23.45	264	3032214	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	2225232	97.53	ng	0.00
7) Phenol-d6	6.89	99	2932182	92.57	ng	0.00
23) Nitrobenzene-d5	8.85	82	1679097	64.34	ng	-0.01
42) 2,4,6-Tribromophenol	15.84	330	1480220	127.46	ng	0.00
45) 2-Fluorobiphenyl	12.97	172	4536379	66.33	ng	-0.01
79) Terphenyl-d14	19.67	244	7837730	57.04	ng	-0.01

Target Compounds

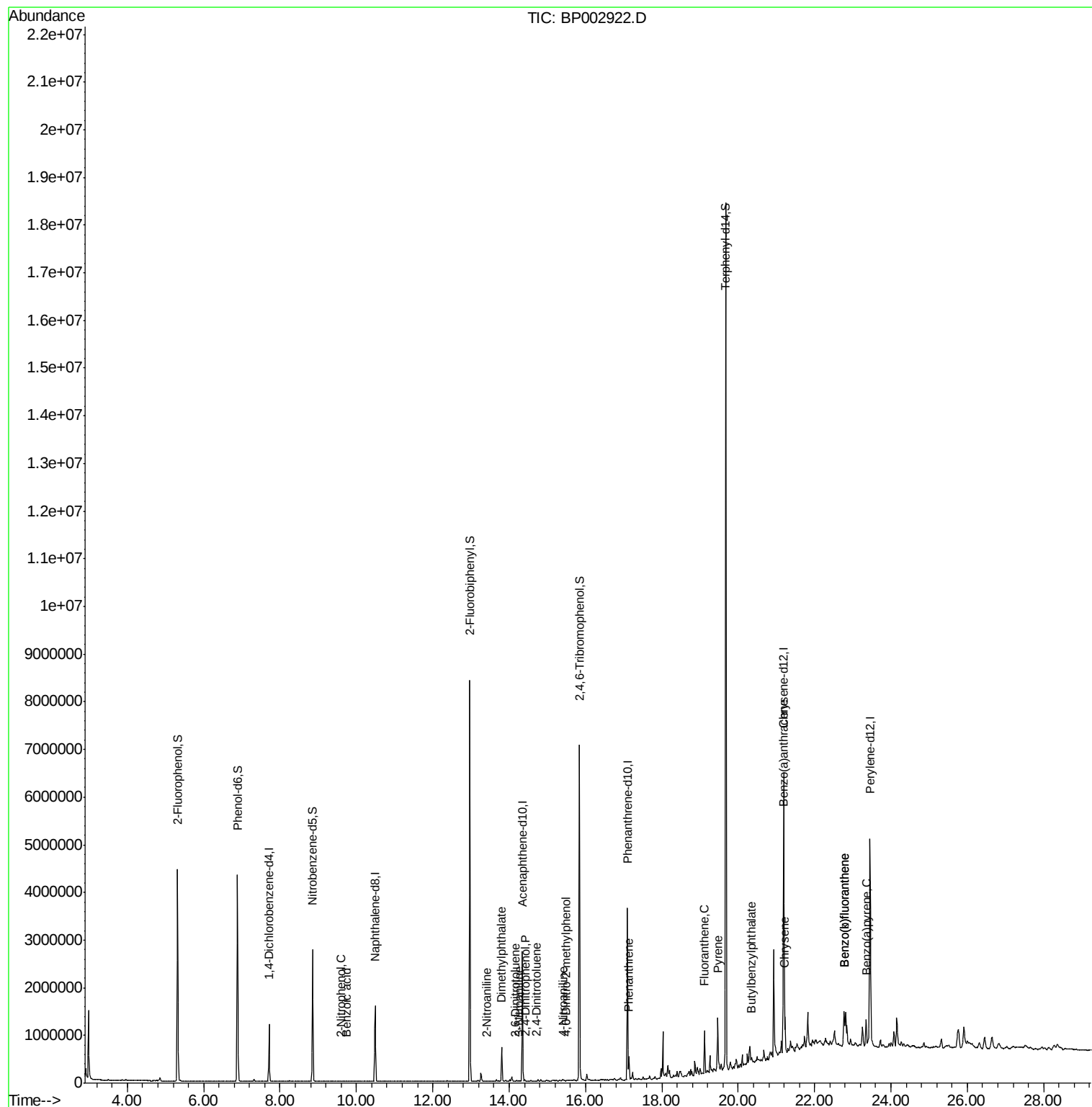
						Qvalue
26) 2-Nitrophenol	9.60	139	107	4.529	ng	# 1
32) Benzoic acid	9.75	122	2170	7.825	ng	# 88
48) 2-Nitroaniline	13.42	65	169	3.982	ng	# 41
50) Dimethylphthalate	13.80	163	455701	6.235	ng	100
51) 2,6-Dinitrotoluene	14.16	165	179	2.910	ng	94
53) 3-Nitroaniline	14.25	138	131	3.281	ng	# 1
54) 2,4-Dinitrophenol	14.43	184	116	8.072	ng	# 1
57) 2,4-Dinitrotoluene	14.71	165	362	3.821	ng	# 63
62) 4-Nitroaniline	15.42	138	557	2.447	ng	# 78
65) 4,6-Dinitro-2-methylphenol	15.50	198	62	6.905	ng	# 1
71) Phenanthrene	17.14	178	296519	2.291	ng	97
75) Fluoranthene	19.12	202	540507	3.625	ng	98
78) Pvrene	19.46	202	685872	3.566	ng	97
80) Butylbenzylphthalate	20.36	149	16335	3.254	ng	# 96
81) Benzo(a)anthracene	21.17	228	388431	2.073	ng	96
83) Chrysene	21.22	228	478190	2.705	ng	98
88) Benzo(b)fluoranthene	22.77	252	635902	2.972	ng	99
89) Benzo(k)fluoranthene	22.77	252	635902	3.144	ng	98
90) Benzo(a)pvrene	23.35	252	441383	2.283	ng	99

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

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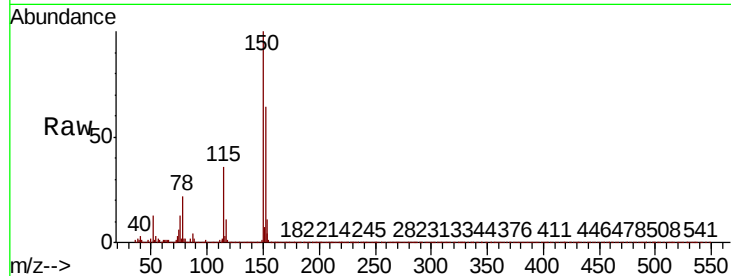


#1

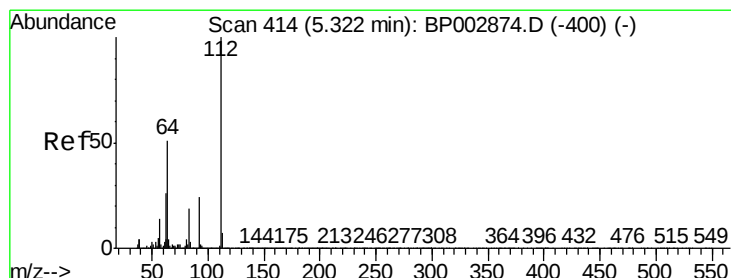
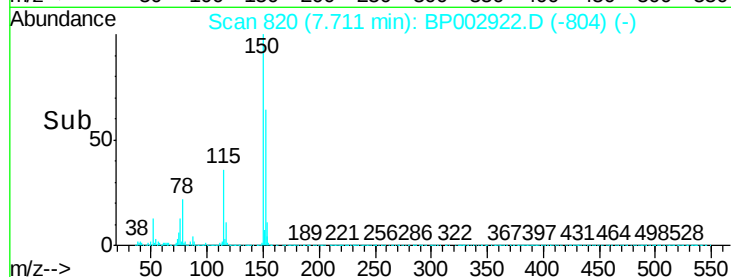
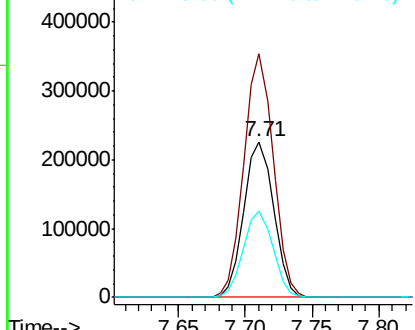
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

Instrument :
BNA_P
ClientSampleId :
CRT-025

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.8	187.2
115	55.7	47.4	71.2



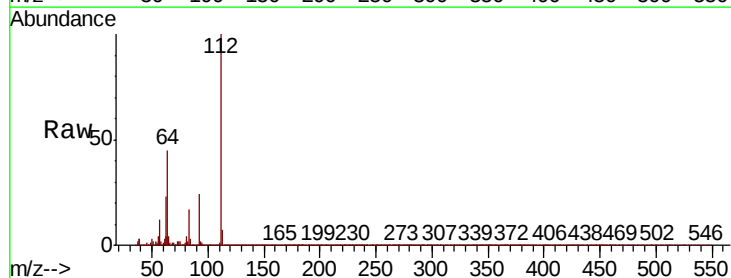
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



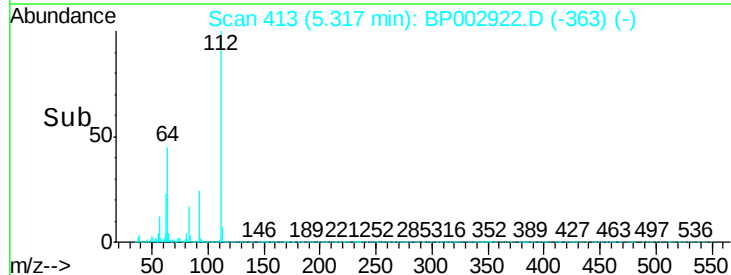
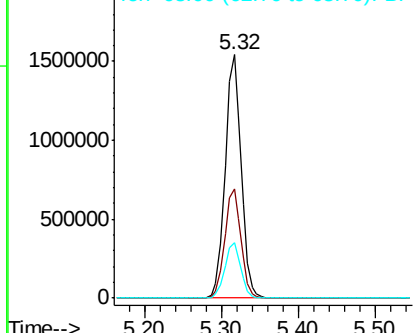
#5

2-Fluorophenol
Concen: 97.535 ng
RT: 5.32 min Scan# 413
Delta R.T. -0.01 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	41.0	61.6
63	22.5	20.7	31.1



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: 92.570 ng

RT: 6.89 min Scan# 680

Delta R.T. -0.01 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Instrument :

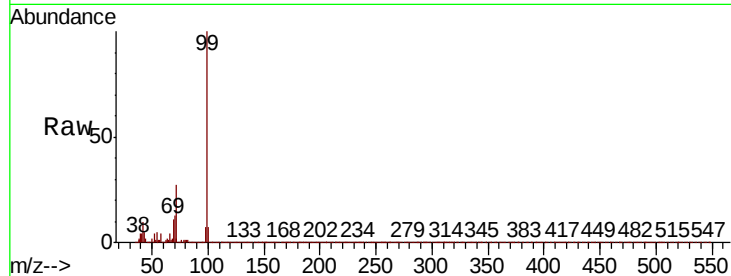
BNA_P

ClientSampleId :

CRT-025

Tot Ion: 99 Resp: 2932182

Ion	Ratio	Lower	Upper
99	100		
42	10.4	9.3	13.9
71	27.1	23.5	35.3

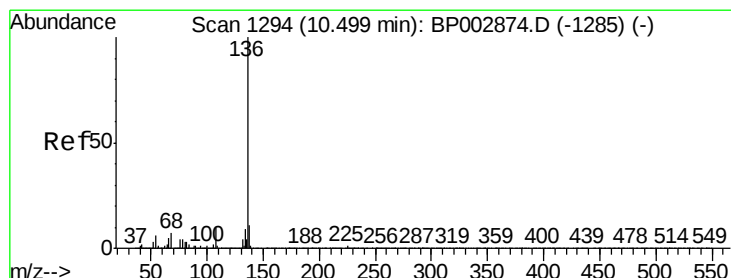
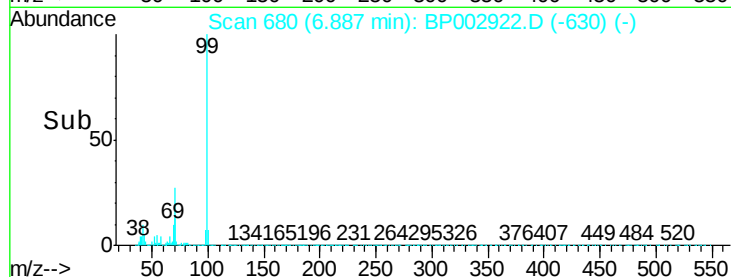
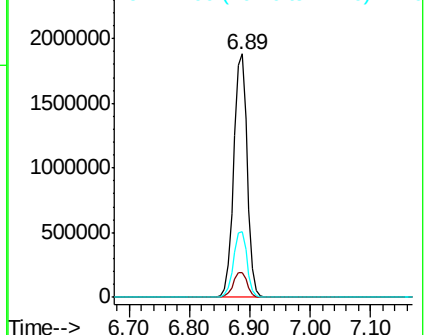


Abundance

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: 10.49 min Scan# 1293

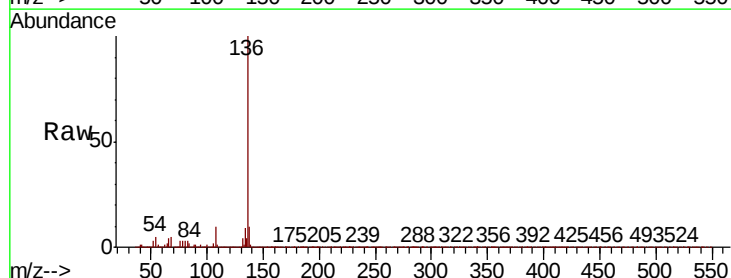
Delta R.T. -0.01 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Tgt Ion: 136 Resp: 1413526

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	5.2	5.1	7.7
68	5.3	5.3	7.9



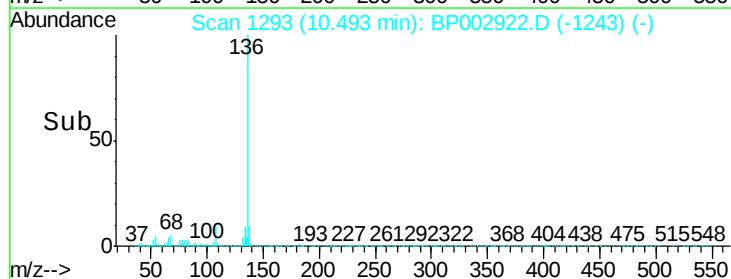
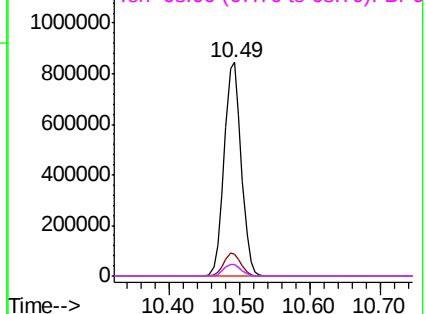
Abundance

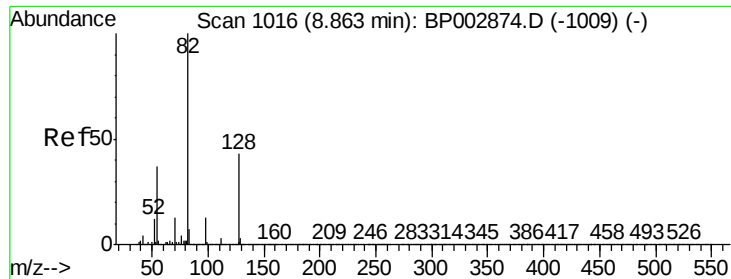
Ion 136.00 (135.70 to 136.70): E

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

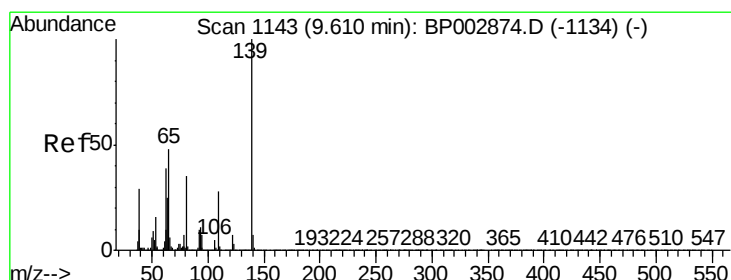
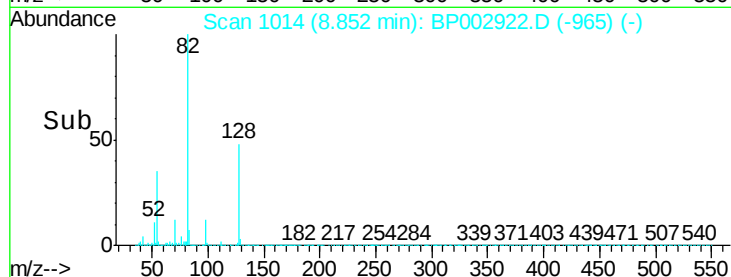
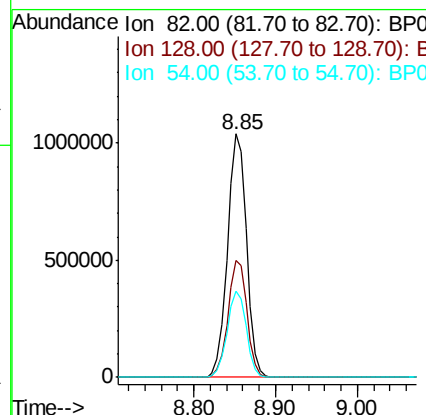
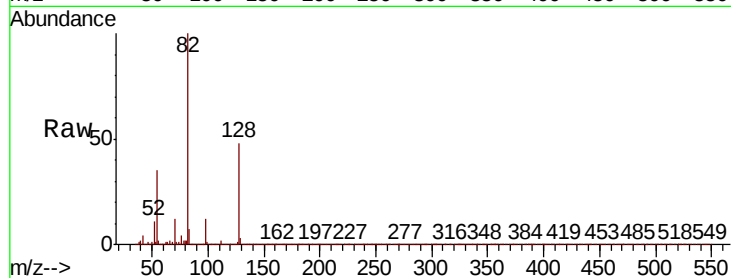




#23
Nitrobenzene-d5
Concen: 64.338 ng
RT: 8.85 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

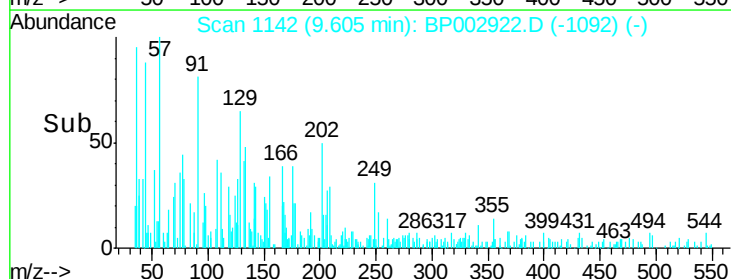
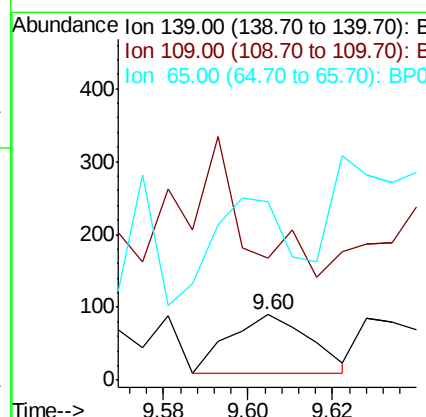
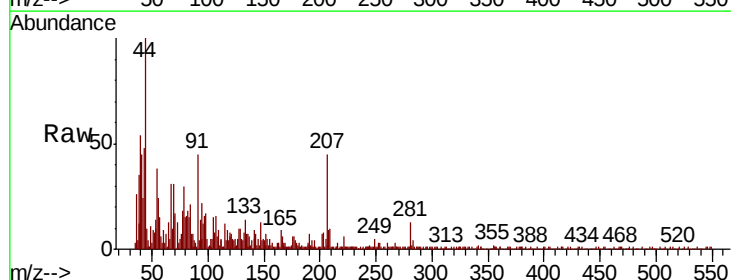
Instrument :
BNA_P
ClientSampleId :
CRT-025

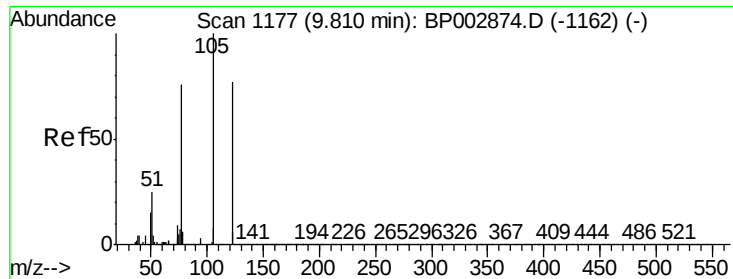
Tot Ion: 82 Resp: 1679097
Ion Ratio Lower Upper
82 100
128 47.9 34.6 52.0
54 35.5 29.5 44.3



#26
2-Nitrophenol
Concen: 4.529 ng
RT: 9.60 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

Tgt Ion: 139 Resp: 107
Ion Ratio Lower Upper
139 100
109 186.7 22.2 33.2#
65 271.1 38.9 58.3#

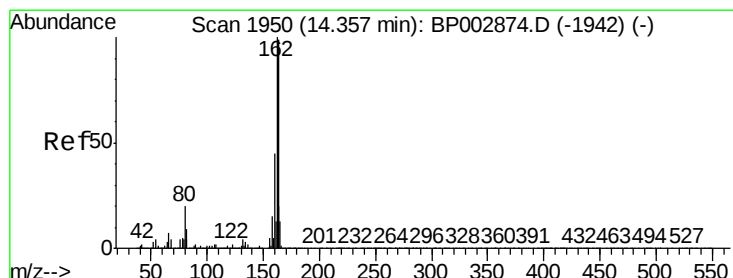
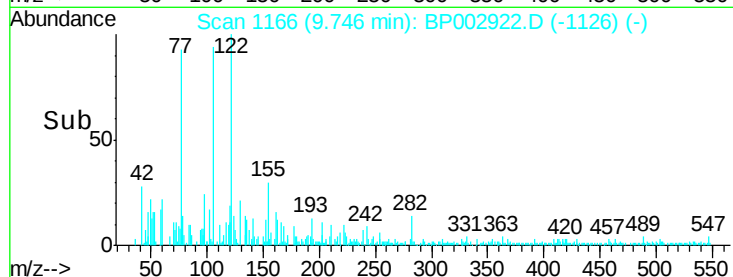
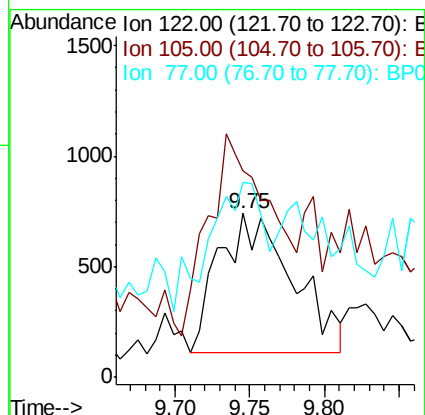
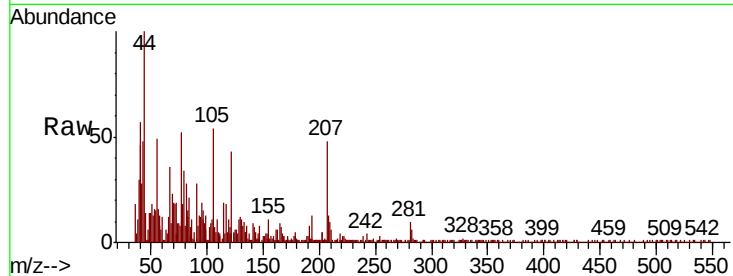




#32
Benzoic acid
Concen: 7.825 ng
RT: 9.75 min Scan# 1166
Delta R.T. -0.06 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

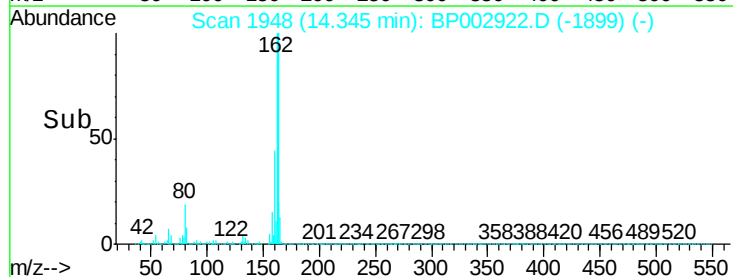
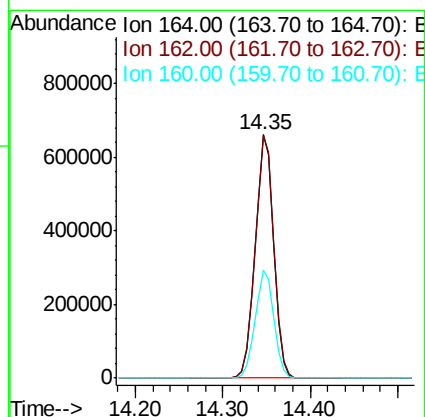
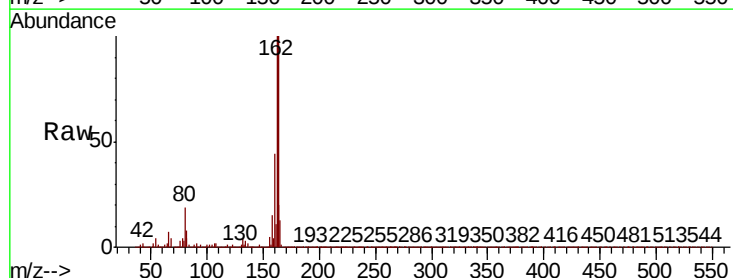
Instrument :
BNA_P
ClientSampled :
CRT-025

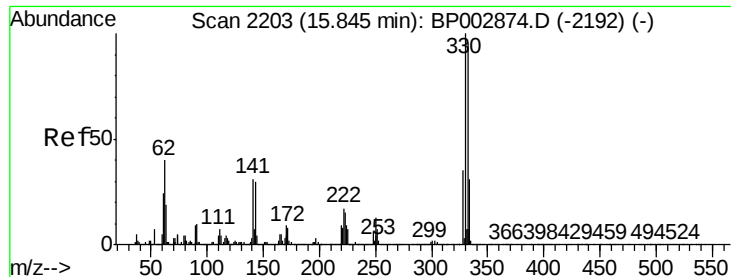
Tot Ion:122 Resp: 2170
Ion Ratio Lower Upper
122 100
105 125.7 103.4 143.4
77 119.1 74.6 114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.35 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

Tgt Ion:164 Resp: 934404
Ion Ratio Lower Upper
164 100
162 99.6 81.0 121.6
160 44.3 36.2 54.4

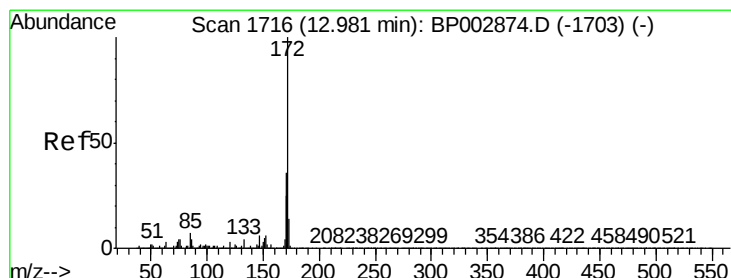
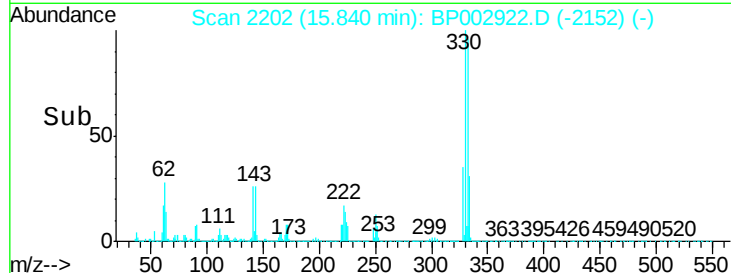
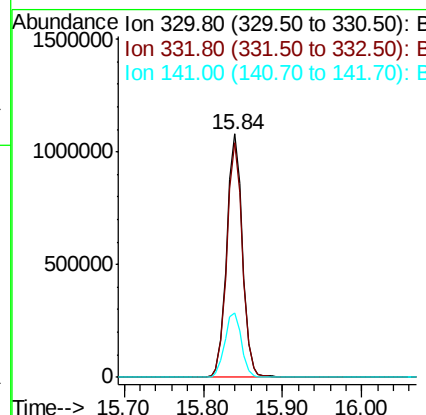
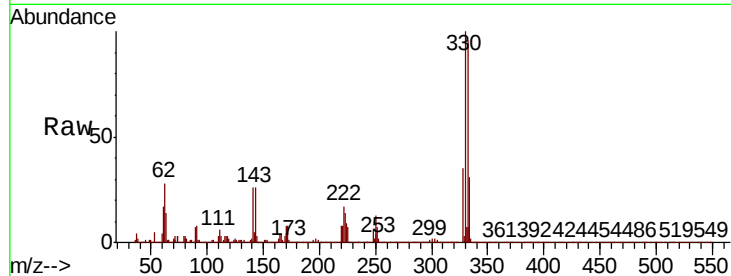




#42
 2,4,6-Tribromophenol
 Concen: 127.456 ng
 RT: 15.84 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BP002922.D
 Acq: 06 Aug 2020 16:23

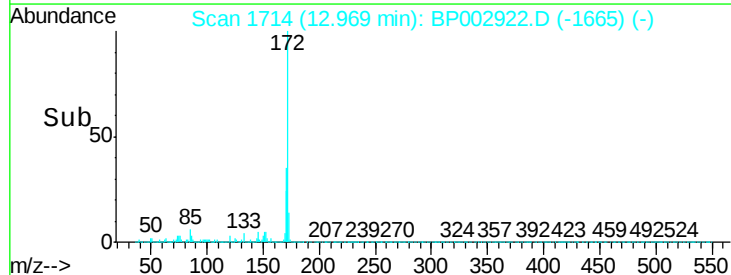
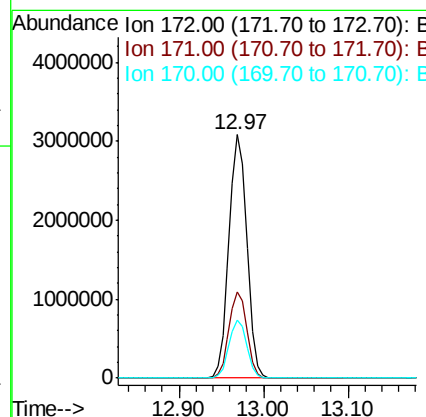
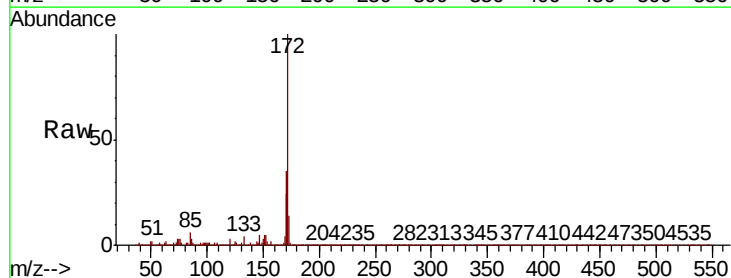
Instrument :
 BNA_P
 ClientSampleId :
 CRT-025

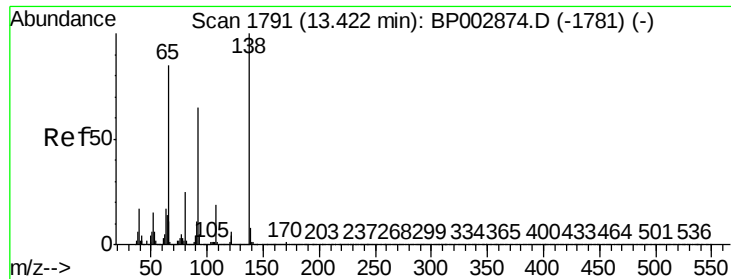
Tot Ion:330 Resp: 1480220
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.1 115.7
 141 28.2 24.6 37.0



#45
 2-Fluorobiphenyl
 Concen: 66.332 ng
 RT: 12.97 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BP002922.D
 Acq: 06 Aug 2020 16:23

Tgt Ion:172 Resp: 4536379
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.1 43.7
 170 23.7 19.6 29.4





#48

2-Nitroaniline

Concen: 3.982 ng

RT: 13.42 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Instrument :

BNA_P

ClientSampled :

CRT-025

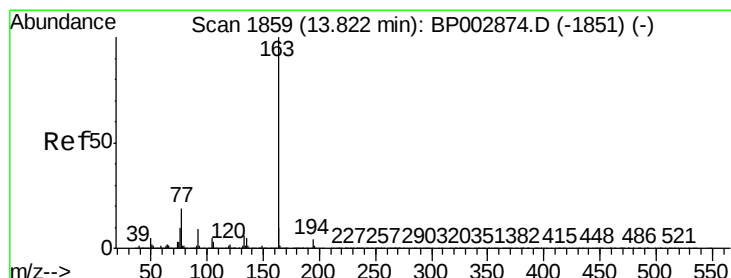
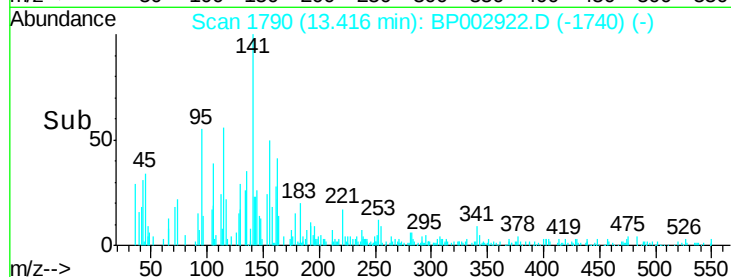
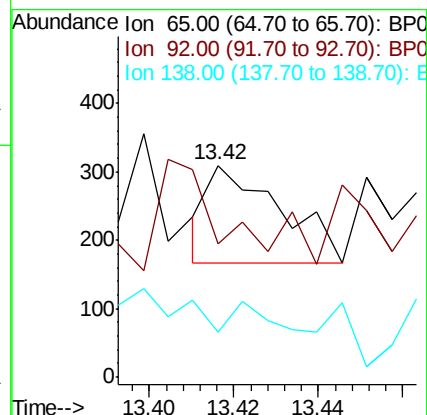
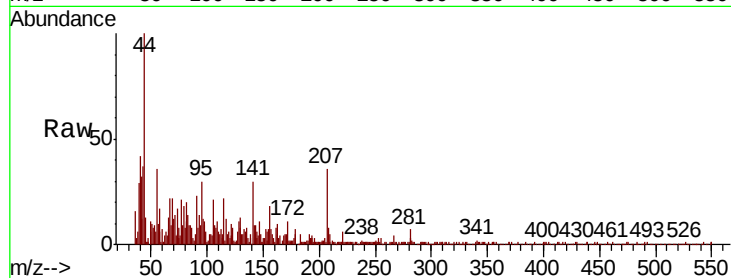
Tot Ion: 65 Resp: 169

Ion Ratio Lower Upper

65 100

92 62.8 61.4 92.0

138 21.4 94.2 141.4#



#50

Dimethylphthalate

Concen: 6.235 ng

RT: 13.80 min Scan# 1856

Delta R.T. -0.02 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

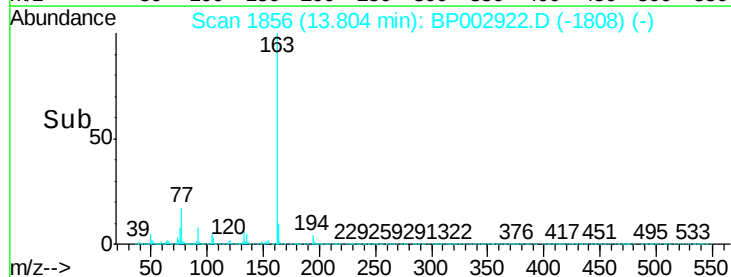
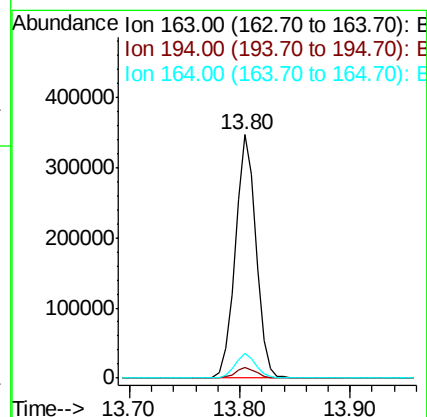
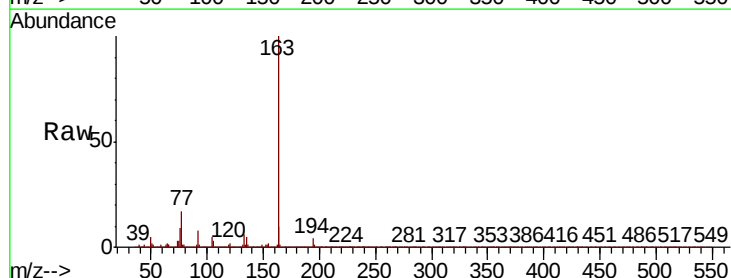
Tgt Ion: 163 Resp: 455701

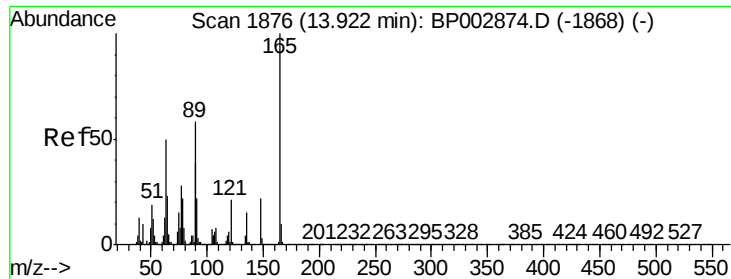
Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 10.0 8.2 12.2

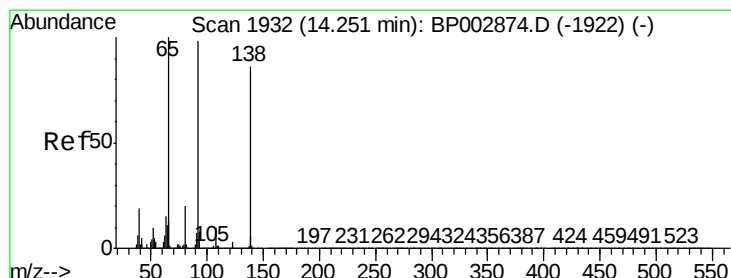
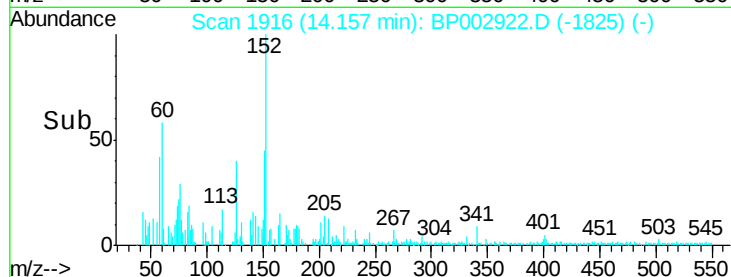
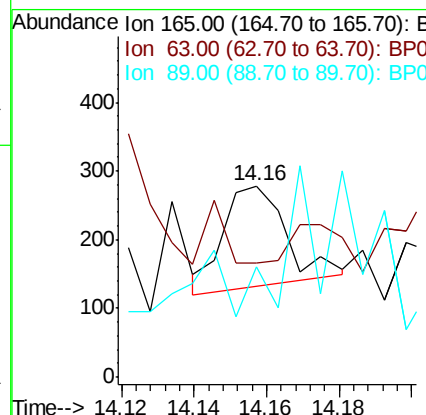
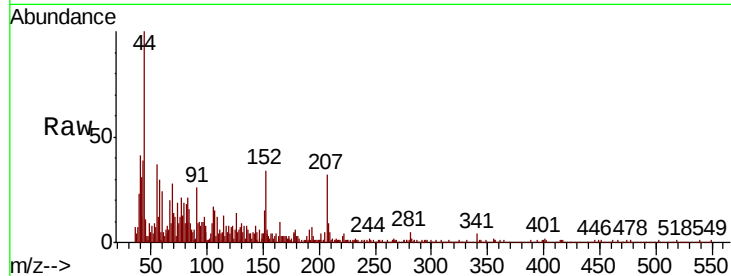




#51
2,6-Dinitrotoluene
Concen: 2.910 ng
RT: 14.16 min Scan# 1916
Delta R.T. 0.24 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

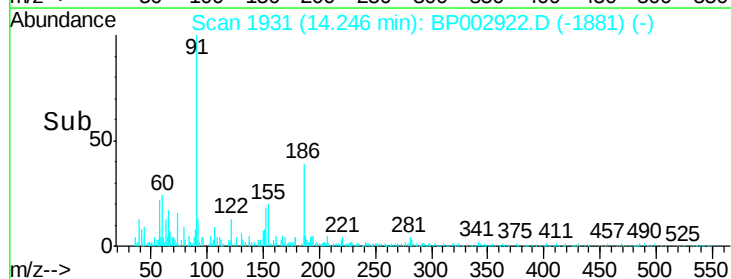
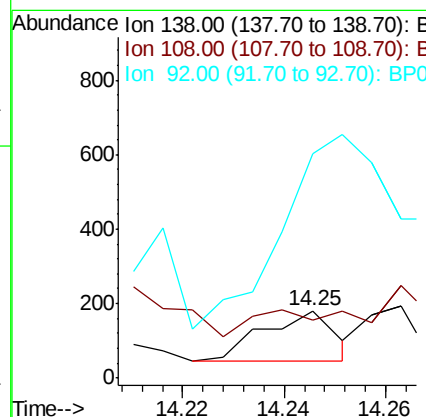
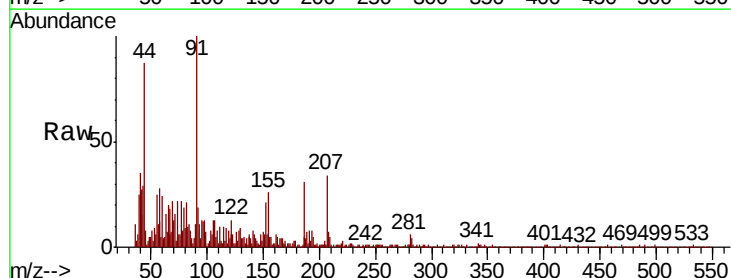
Instrument :
BNA_P
ClientSampleId :
CRT-025

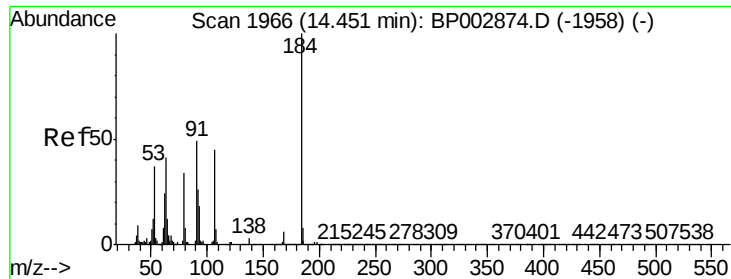
Tot Ion	Ratio	Lower	Upper
165	100		
63	59.7	40.3	60.5
89	57.9	46.5	69.7



#53
3-Nitroaniline
Concen: 3.281 ng
RT: 14.25 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

Tgt Ion	Ratio	Lower	Upper
138	100		
108	87.2	9.4	14.0#
92	335.6	91.0	136.6#





#54

2,4-Dinitrophenol

Concen: 8.072 ng

RT: 14.43 min Scan# 1963

Delta R.T. -0.02 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Instrument :

BNA_P

ClientSampleId :

CRT-025

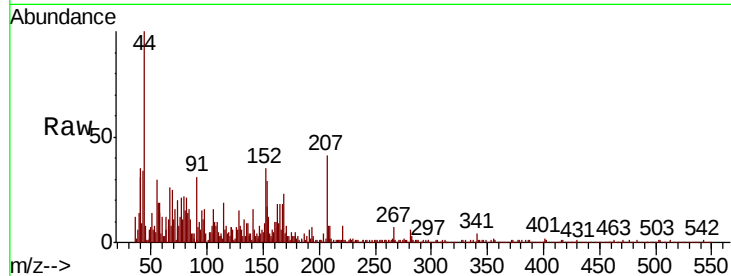
Tot Ion:184 Resp: 116

Ion Ratio Lower Upper

184 100

63 461.2 50.3 75.5#

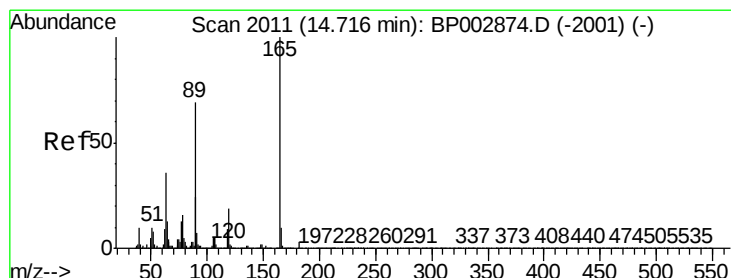
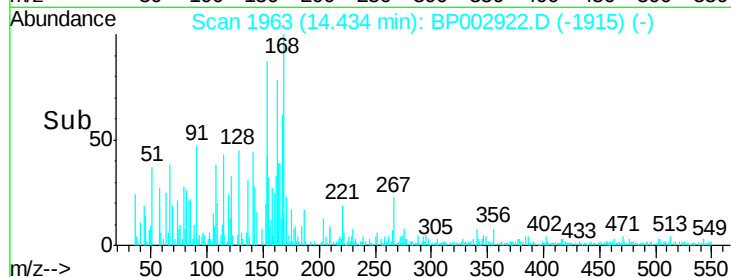
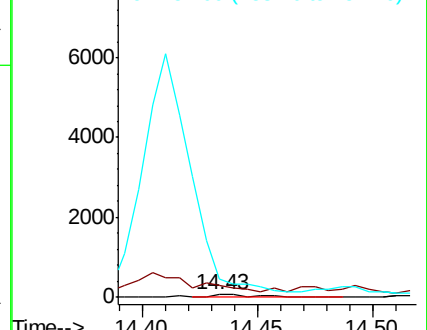
154 682.1 50.6 76.0#



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



#57

2,4-Dinitrotoluene

Concen: 3.821 ng

RT: 14.71 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Tgt Ion:165 Resp: 362

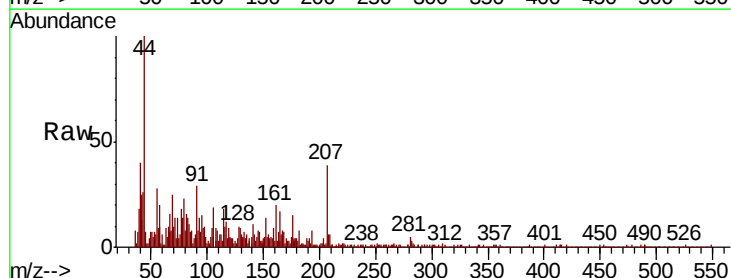
Ion Ratio Lower Upper

165 100

63 51.2 29.0 43.4#

89 37.3 55.5 83.3#

182 47.1 2.2 3.4#

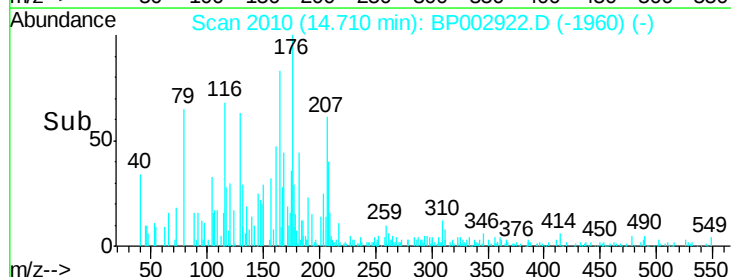
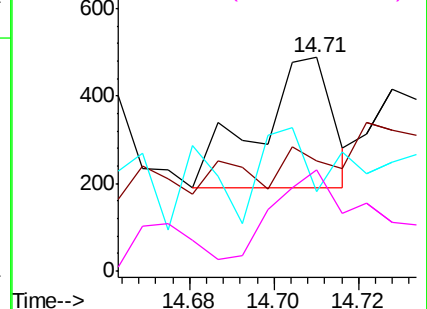


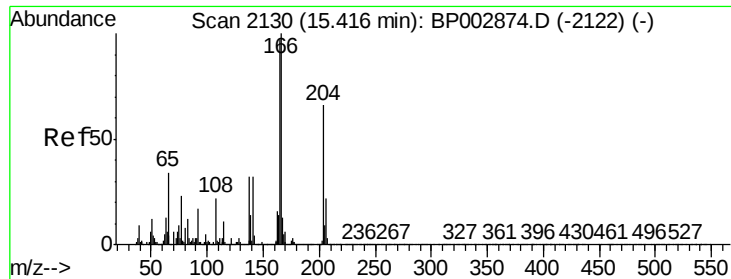
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E





#62

4-Nitroaniline

Concen: 2.447 ng

RT: 15.42 min Scan# 2131

Delta R.T. 0.01 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Instrument :

BNA_P

ClientSampled :

CRT-025

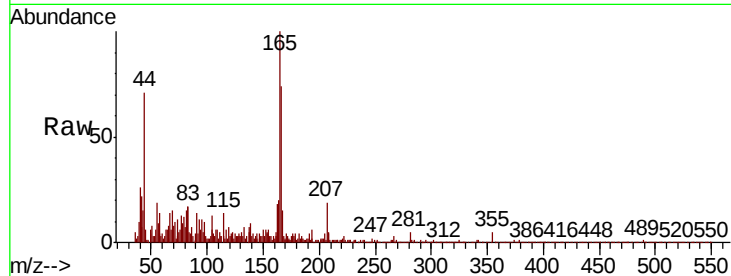
Tot Ion:138 Resp: 557

Ion Ratio Lower Upper

138 100

92 64.6 32.2 72.2

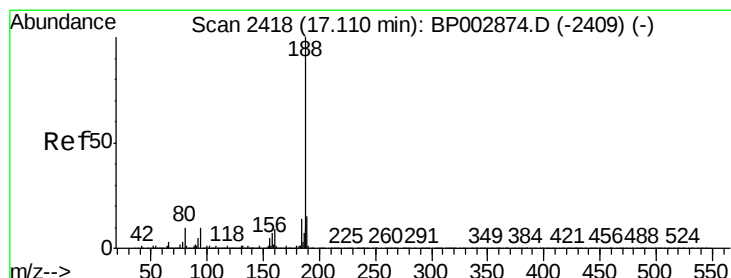
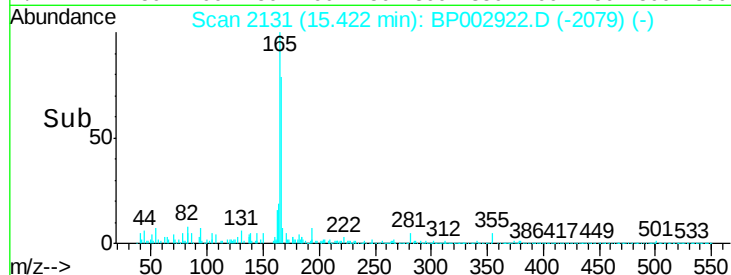
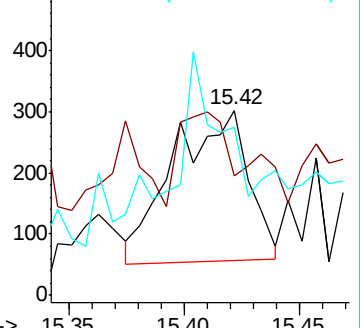
108 90.7 50.0 90.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BP0

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

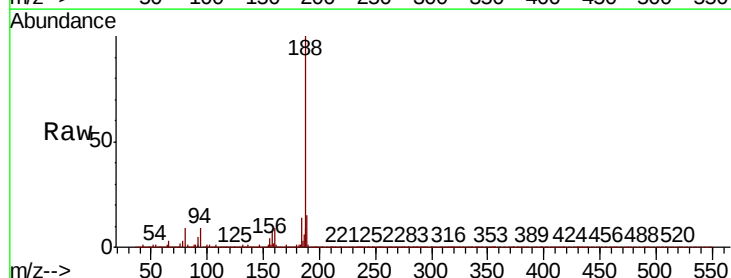
Tgt Ion:188 Resp: 2206980

Ion Ratio Lower Upper

188 100

94 8.8 7.8 11.6

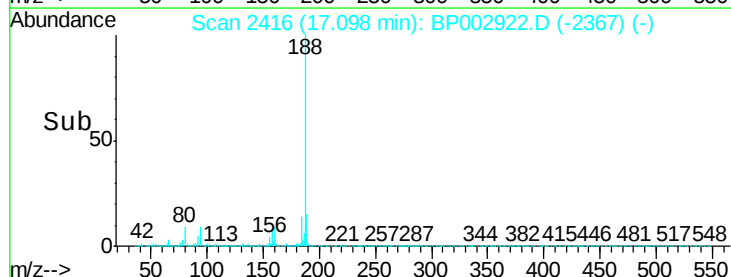
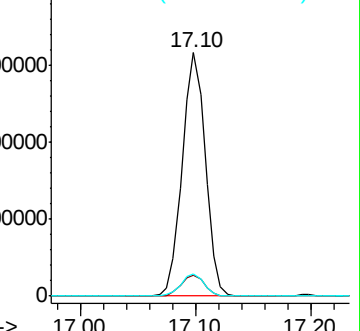
80 8.9 8.0 12.0

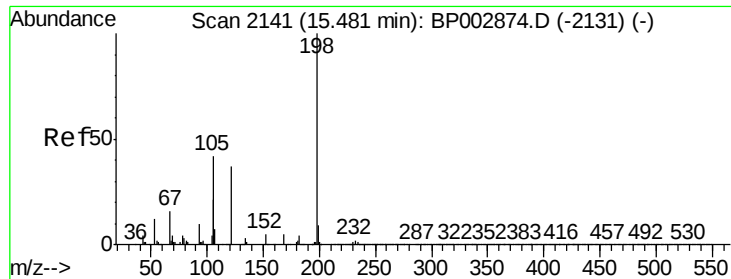


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.905 ng

RT: 15.50 min Scan# 2144

Delta R.T. 0.02 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Instrument :

BNA_P

ClientSampled :

CRT-025

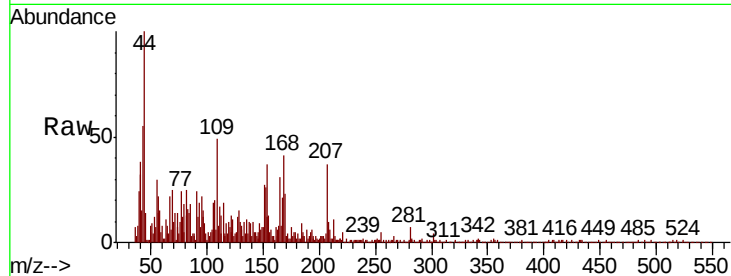
Tot Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

51 382.7 11.6 51.6#

105 754.7 23.8 63.8#



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

800

600

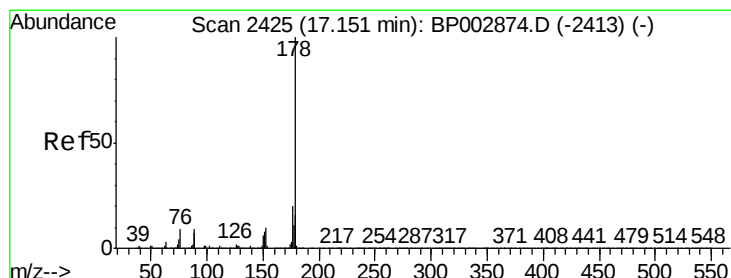
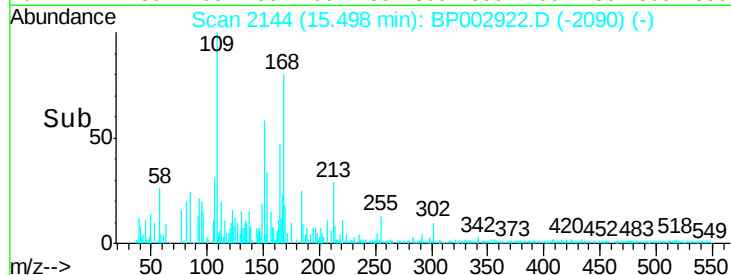
400

200

0

15.46 15.48 15.50

Time-->



#71

Phenanthrene

Concen: 2.291 ng

RT: 17.14 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

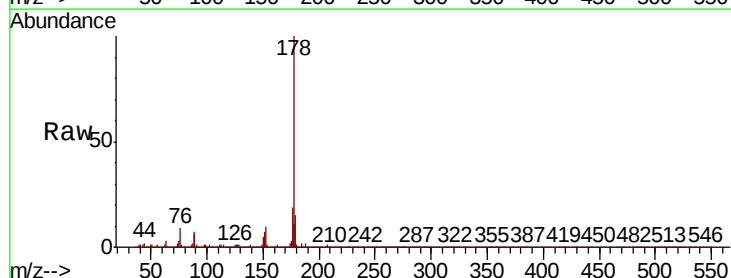
Tgt Ion:178 Resp: 296519

Ion Ratio Lower Upper

178 100

176 18.9 16.1 24.1

179 14.7 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

300000

250000

200000

150000

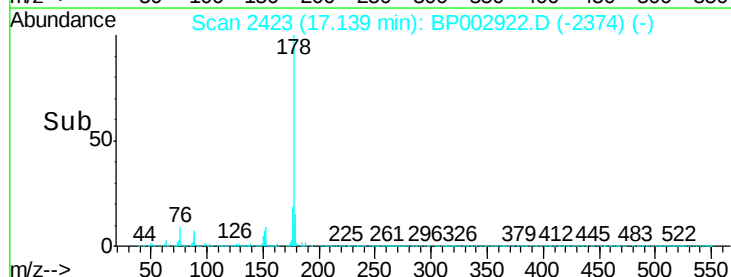
100000

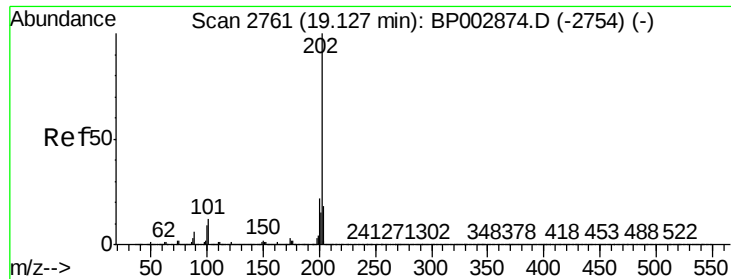
50000

0

17.10 17.14 17.20

Time-->





#75

Fluoranthene

Concen: 3.625 ng

RT: 19.12 min Scan# 2759

Delta R.T. -0.01 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

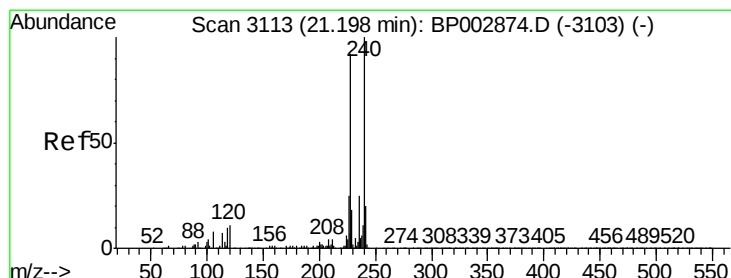
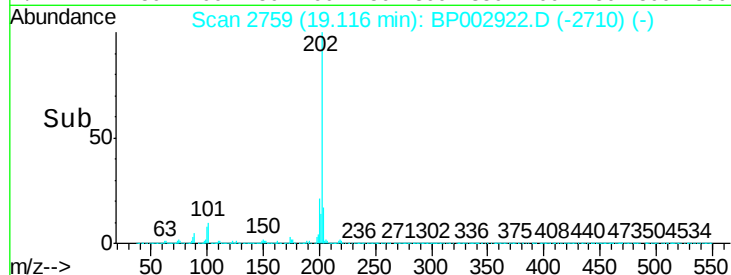
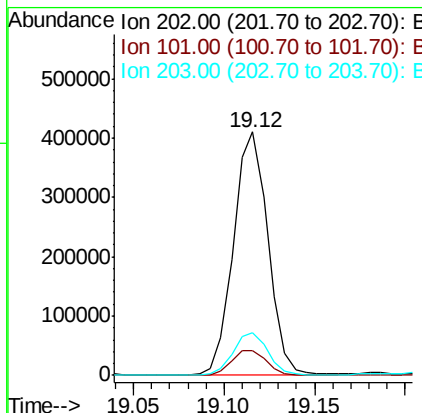
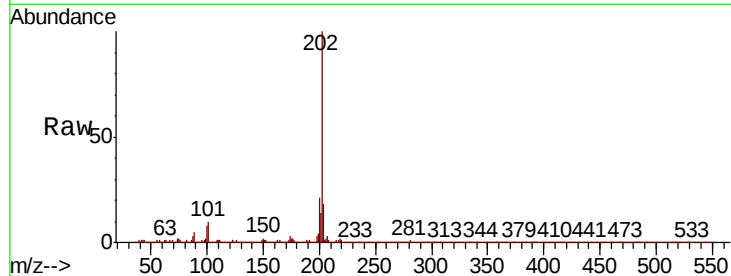
Instrument :

BNA_P

ClientSampleId :

CRT-025

Tot Ion:	202	Resp:	540507
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.6
203	17.6	0.0	38.4



#76

Chrysene-d12

Concen: 20.000 ng

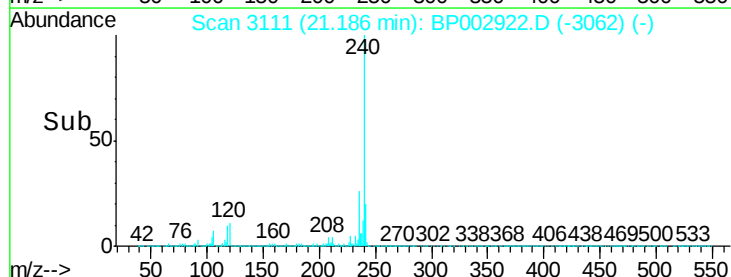
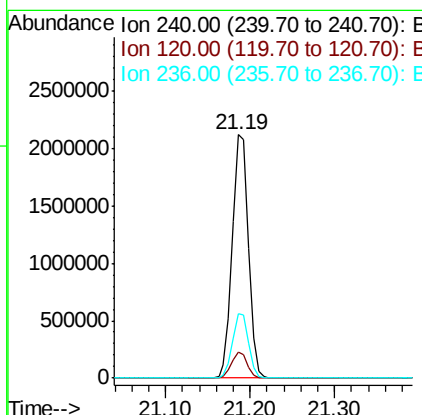
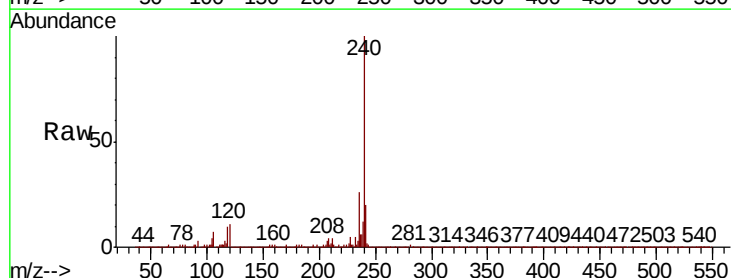
RT: 21.19 min Scan# 3111

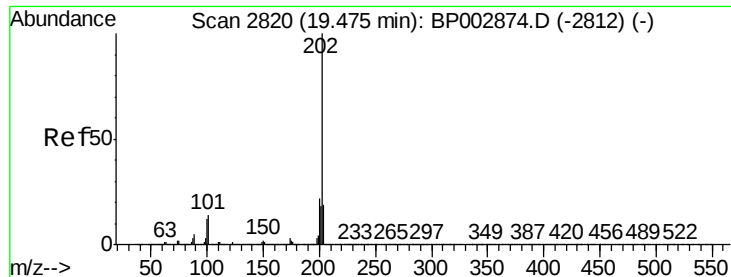
Delta R.T. -0.01 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Tgt Ion:	240	Resp:	2750966
Ion Ratio	Lower	Upper	
240	100		
120	10.6	8.9	13.3
236	26.3	20.3	30.5





#78

Pvrene

Concen: 3.566 ng

RT: 19.46 min Scan# 2818

Delta R.T. -0.01 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Instrument :

BNA_P

ClientSampleId :

CRT-025

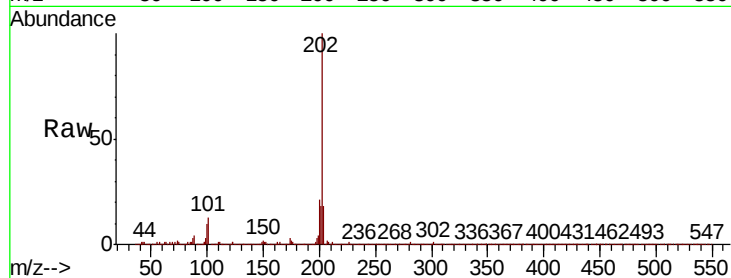
Tot Ion:202 Resp: 685872

Ion Ratio Lower Upper

202 100

200 20.7 17.9 26.9

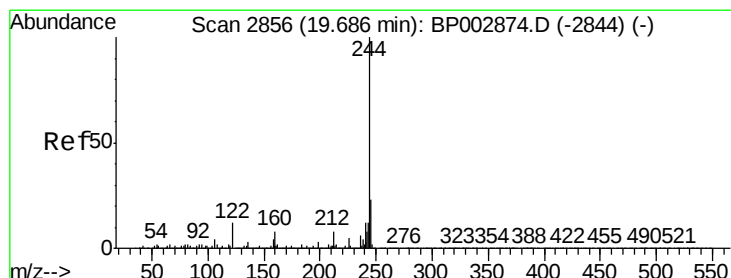
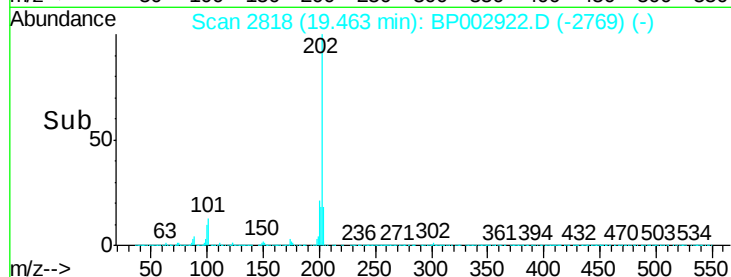
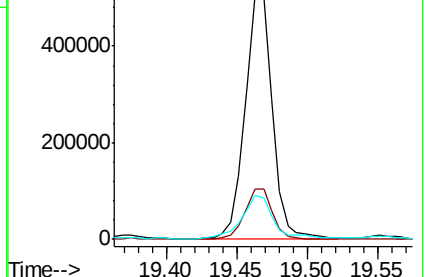
203 18.1 15.1 22.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 57.037 ng

RT: 19.67 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

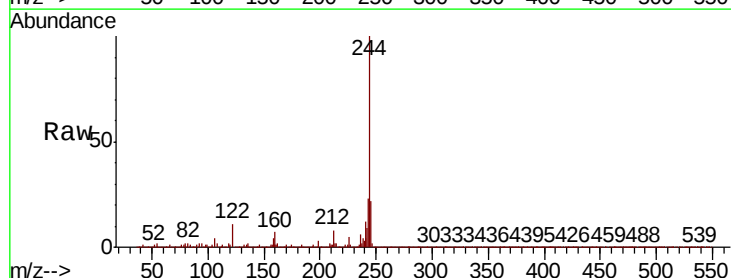
Tgt Ion:244 Resp: 7837730

Ion Ratio Lower Upper

244 100

212 8.1 6.4 9.6

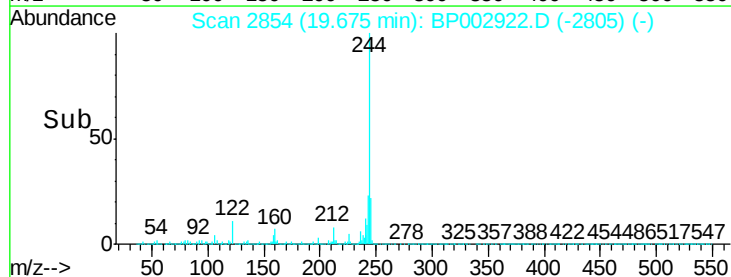
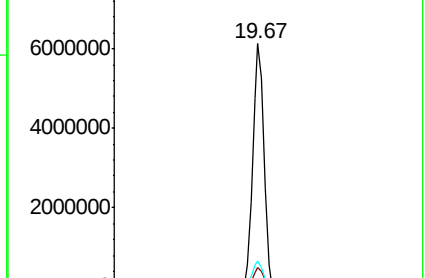
122 10.9 9.4 14.2

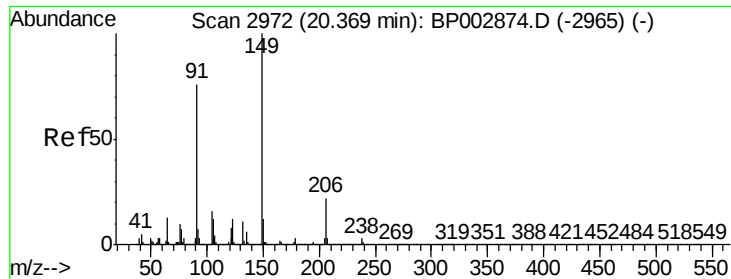


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

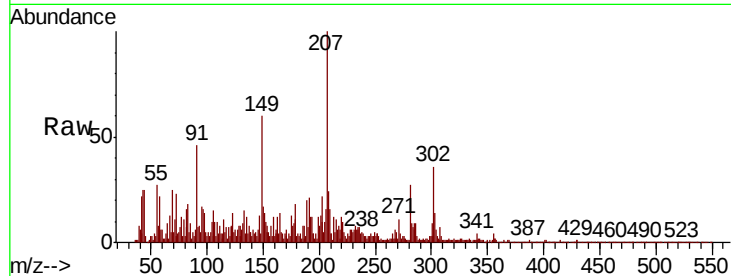




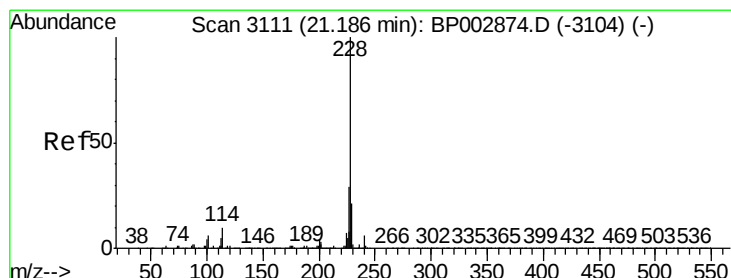
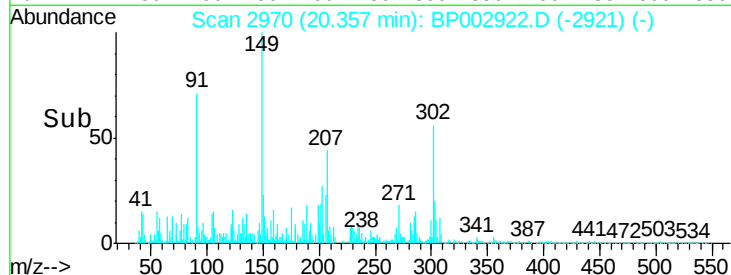
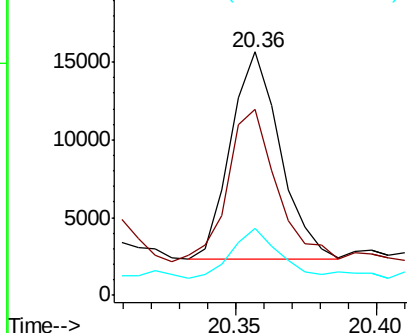
#80
Butylbenzylphthalate
Concen: 3.254 ng
RT: 20.36 min Scan# 2970
Delta R.T. -0.01 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

Instrument :
BNA_P
ClientSampleId :
CRT-025

Tot Ion	Ratio	Lower	Upper
149	100		
91	76.6	60.5	90.7
206	27.4	17.5	26.3

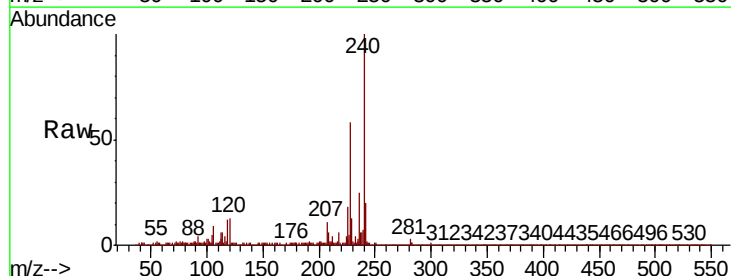


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BP0
Ion 206.00 (205.70 to 206.70): E

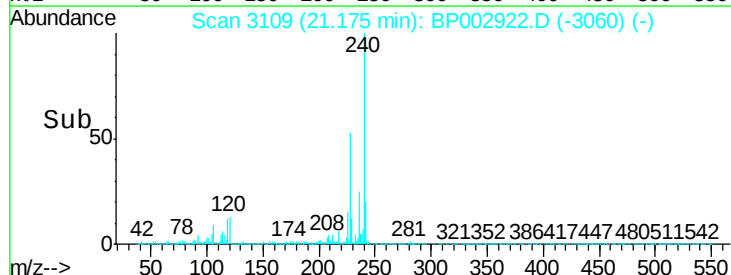
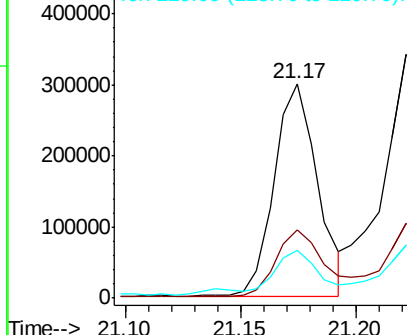


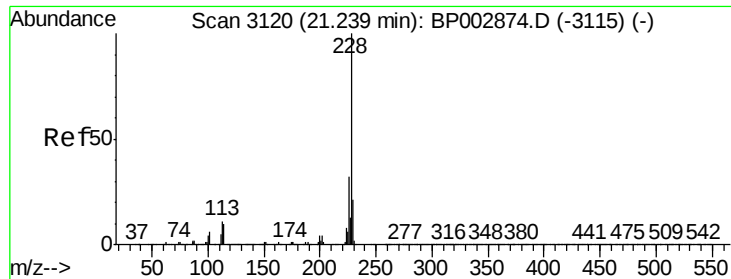
#81
Benzo(a)anthracene
Concen: 2.073 ng
RT: 21.17 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.3	34.9
229	22.1	16.9	25.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.705 ng

RT: 21.22 min Scan# 3117

Delta R.T. -0.02 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Instrument :

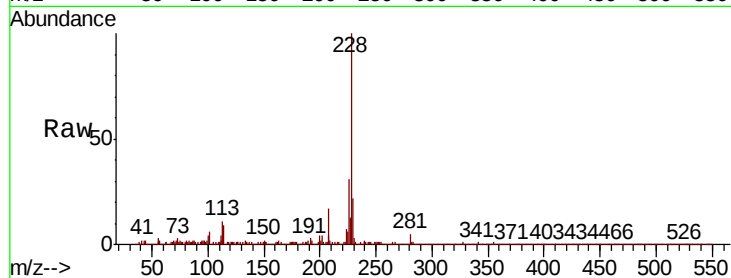
BNA_P

ClientSampleId :

CRT-025

Tot Ion:228 Resp: 478190

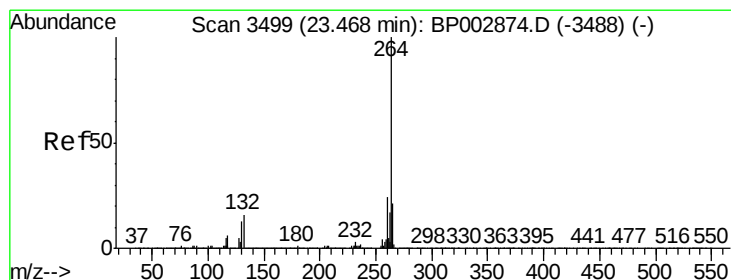
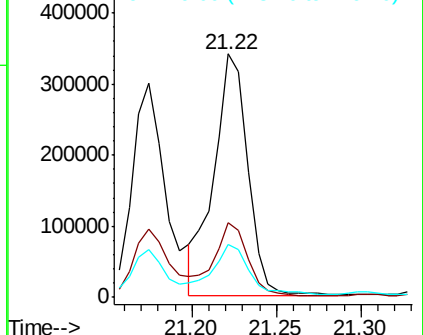
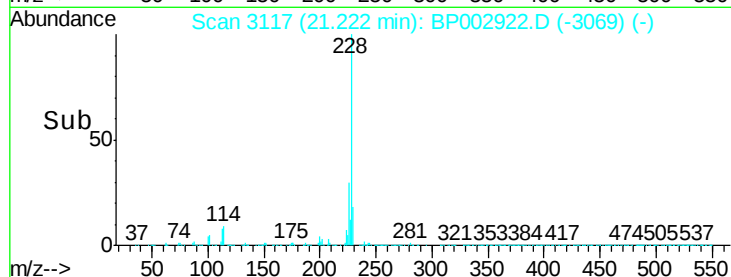
Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.5	38.3
229	21.5	16.7	25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.45 min Scan# 3496

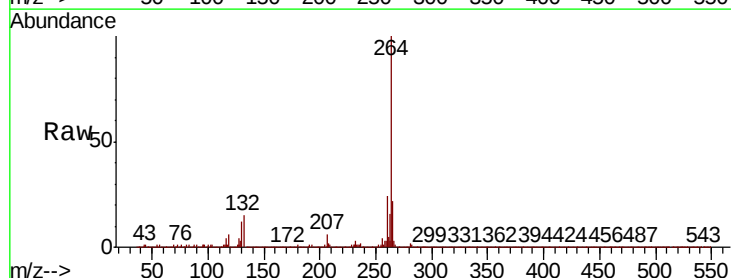
Delta R.T. -0.02 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Tgt Ion:264 Resp: 3032214

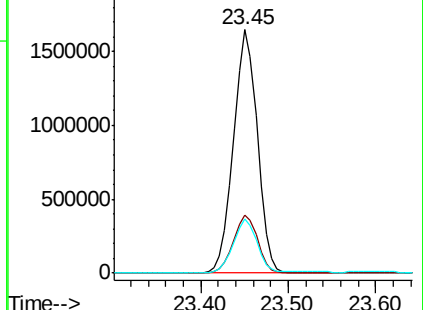
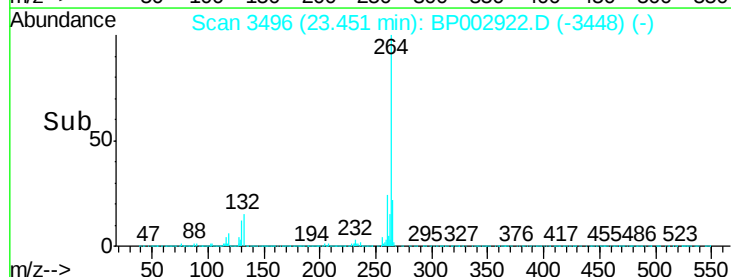
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	22.0	17.0	25.4

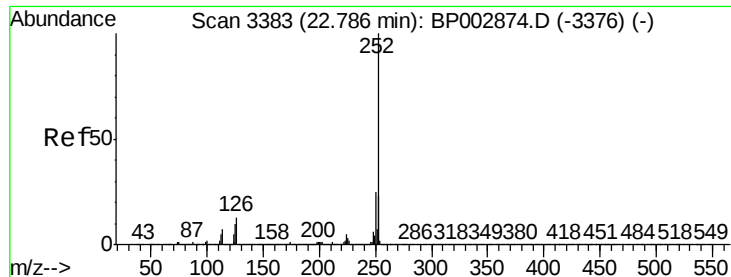


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

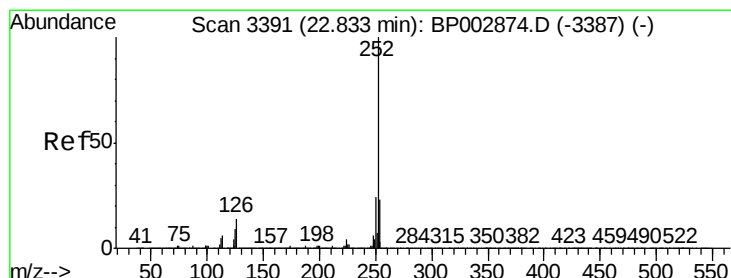
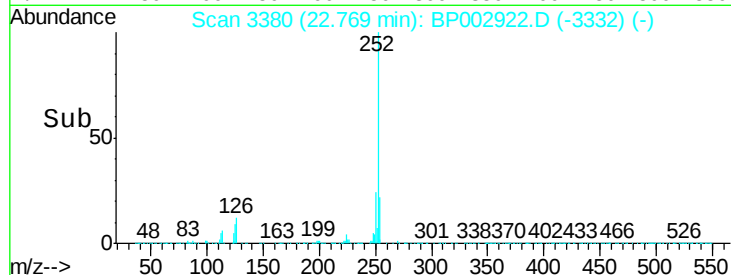
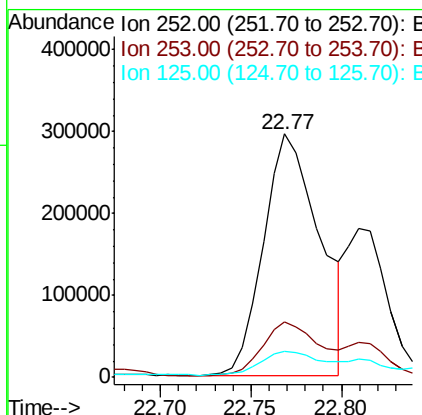
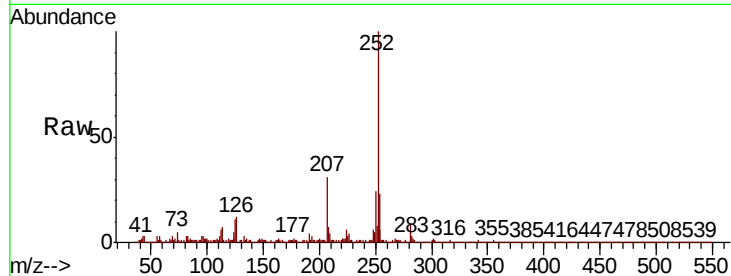




#88
Benzo(b)fluoranthene
Concen: 2.972 ng
RT: 22.77 min Scan# 3380
Delta R.T. -0.02 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

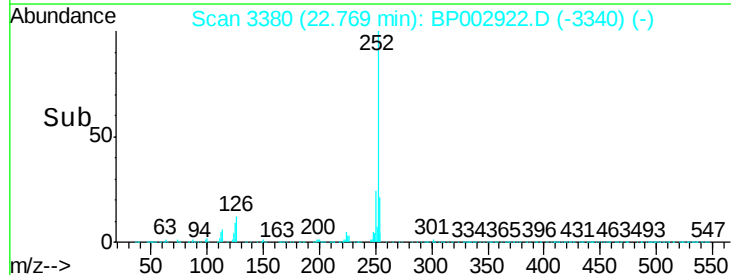
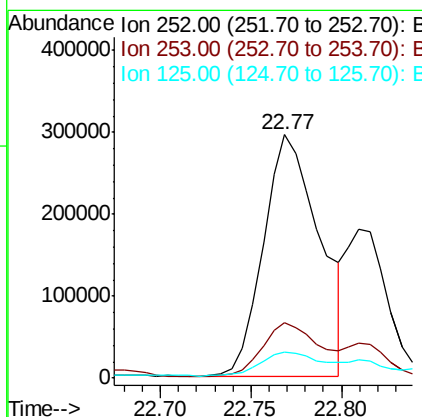
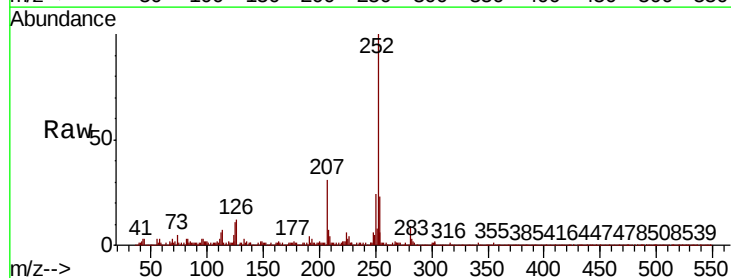
Instrument :
BNA_P
ClientSampleId :
CRT-025

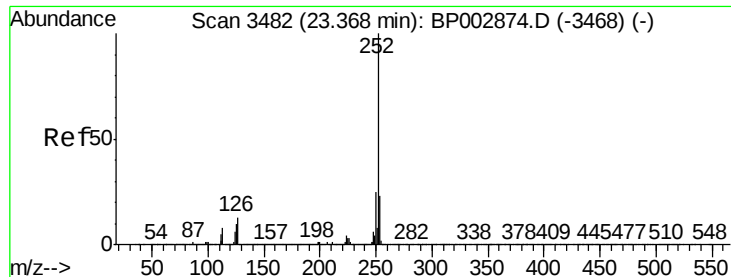
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.3	27.5
125	10.5	7.8	11.8



#89
Benzo(k)fluoranthene
Concen: 3.144 ng
RT: 22.77 min Scan# 3380
Delta R.T. -0.06 min
Lab File: BP002922.D
Acq: 06 Aug 2020 16:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.5	7.5	11.3





#90

Benzo(a)pyrene

Concen: 2.283 ng

RT: 23.35 min Scan# 3479

Delta R.T. -0.02 min

Lab File: BP002922.D

Acq: 06 Aug 2020 16:23

Instrument :

BNA_P

ClientSampleId :

CRT-025

Tot Ion:252 Resp: 441383

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 11.0 8.3 12.5

