

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052920\
 Data File : BP002320.D
 Acq On : 29 May 2020 18:02
 Operator : CG/JU
 Sample : L2773-17 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 30 00:45:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 15:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	320391	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1319472	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	776980	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1614580	20.00	ng	0.00
76) Chrysene-d12	21.10	240	1496231	20.00	ng	0.00
86) Perylene-d12	23.31	264	1514540	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1352067	79.26	ng	0.00
7) Phenol-d6	6.79	99	1878729	80.96	ng	0.00
23) Nitrobenzene-d5	8.75	82	1238813	56.45	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	597406	81.13	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	2604934	59.16	ng	0.00
79) Terphenyl-d14	19.59	244	3521001	56.99	ng	0.00

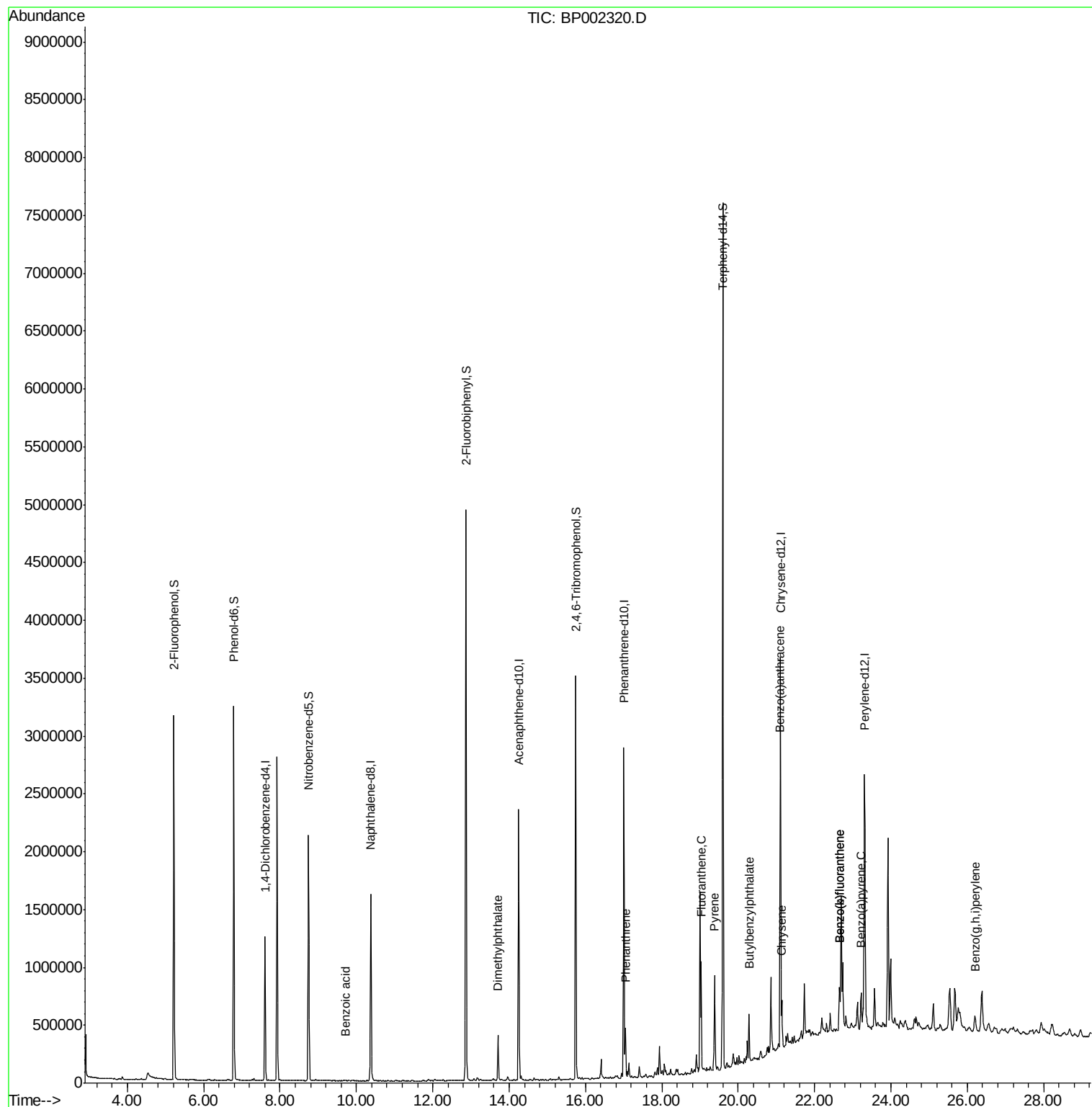
Target Compounds				Qvalue		
32) Benzoic acid	9.71	122	234	4.826	ng	# 74
50) Dimethylphthalate	13.71	163	249035	4.735	ng	99
71) Phenanthrene	17.05	178	247594	3.237	ng	99
75) Fluoranthene	19.03	202	489792	5.560	ng	99
78) Pyrene	19.38	202	469110	5.035	ng	99
80) Butylbenzylphthalate	20.28	149	111040	2.993	ng	98
81) Benzo(a)anthracene	21.09	228	248700	2.904	ng	99
83) Chrysene	21.14	228	213752	2.600	ng	97
88) Benzo(b)fluoranthene	22.65	252	405551	4.911	ng	# 94
89) Benzo(k)fluoranthene	22.65	252	405551	5.118	ng	# 94
90) Benzo(a)pyrene	23.21	252	223216	2.914	ng	# 96
92) Benzo(a,h,i)perylene	26.20	276	161648	2.073	ng	# 94

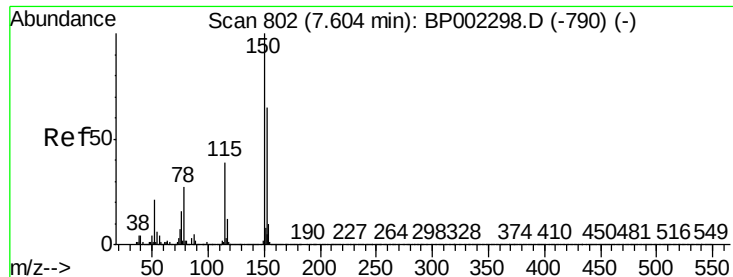
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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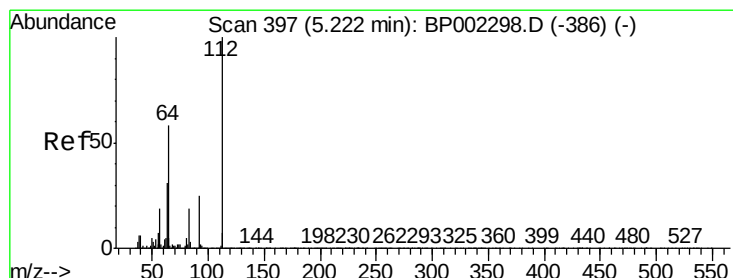
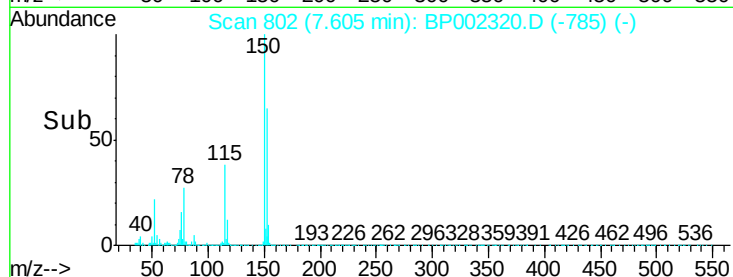
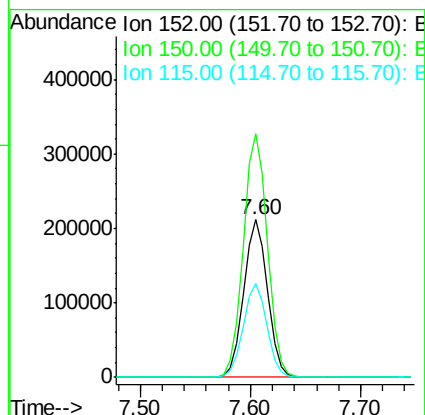
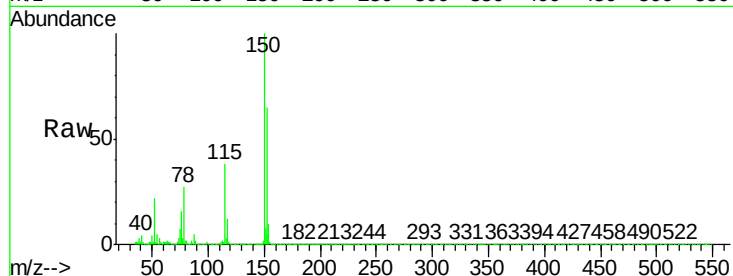


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. 0.00 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

Instrument :
BNA_P
ClientSampleId :

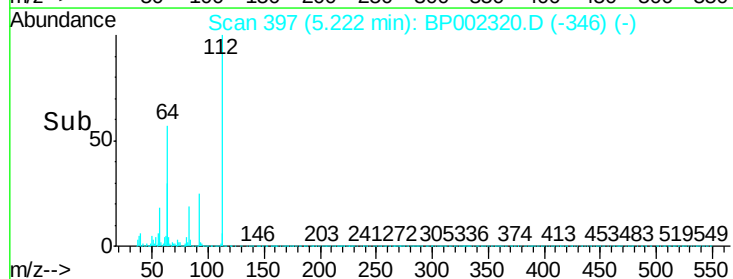
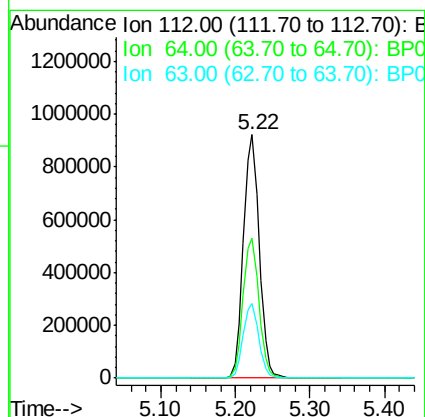
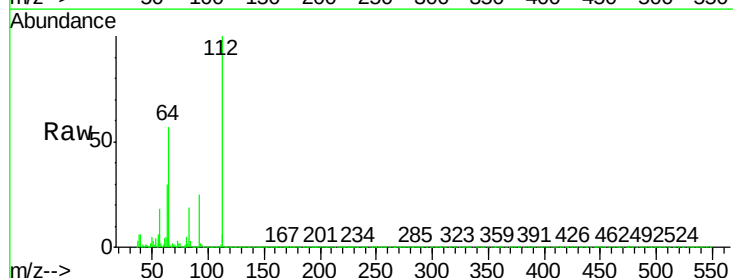
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.7	187.1
115	59.3	49.4	74.2

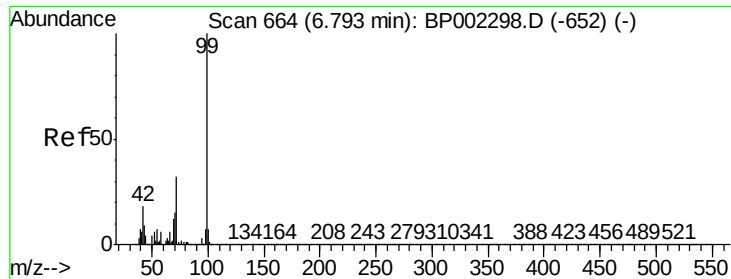


#5

2-Fluorophenol
Concen: 79.258 ng
RT: 5.22 min Scan# 397
Delta R.T. 0.00 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.0	70.4
63	30.4	24.0	36.0





#7

Phenol-d6

Concen: 80.959 ng

RT: 6.79 min Scan# 663

Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

Instrument :

BNA_P

ClientSampleId :

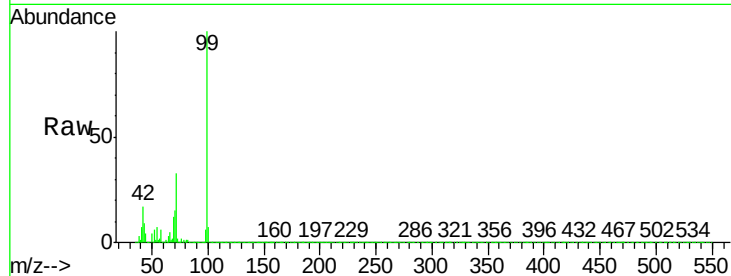
Tot Ion: 99 Resp: 1878729

Ion Ratio Lower Upper

99 100

42 17.4 13.9 20.9

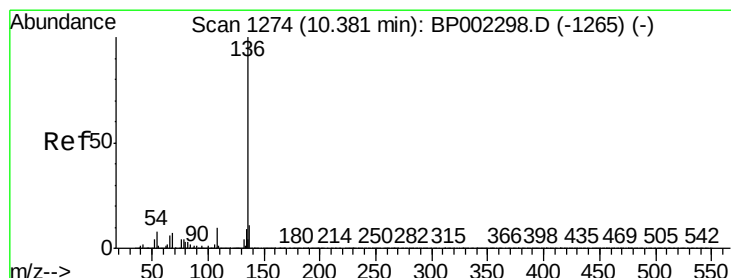
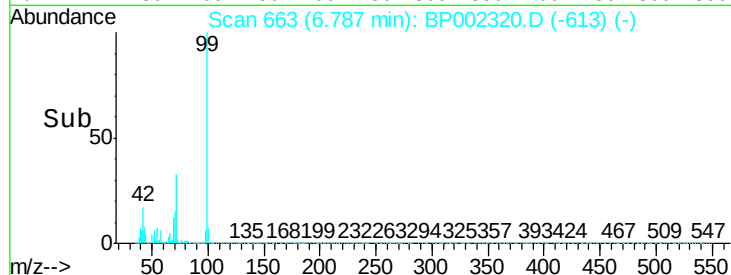
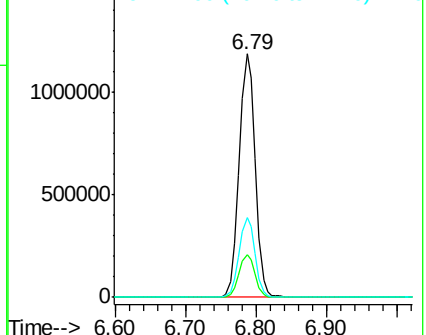
71 32.6 25.8 38.8



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: 10.38 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

Tgt Ion: 136 Resp: 1319472

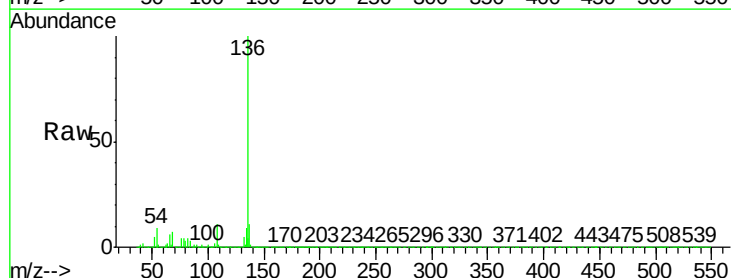
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.6 6.9 10.3

68 7.1 5.6 8.4

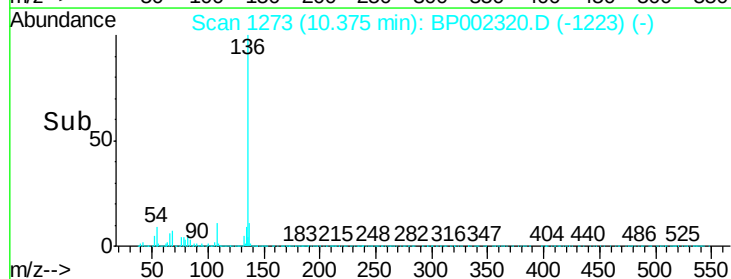
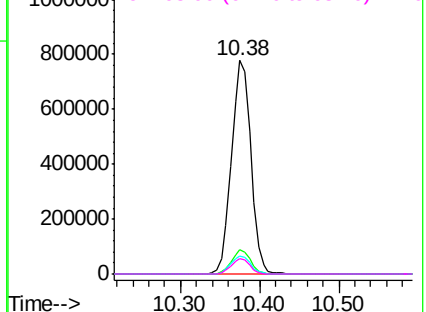


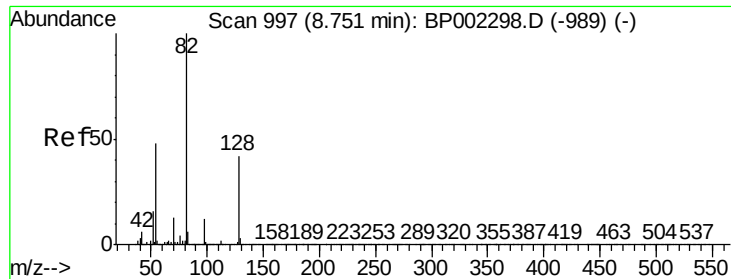
Abundance Ion 136.00 (135.70 to 136.70): E

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

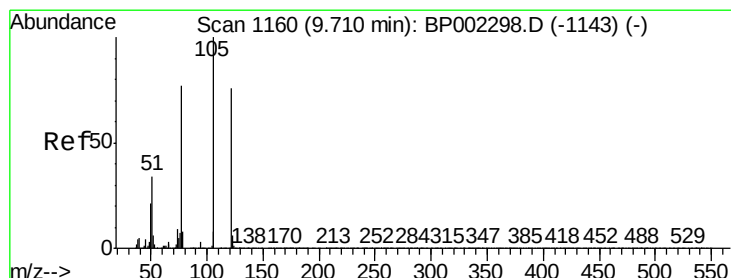
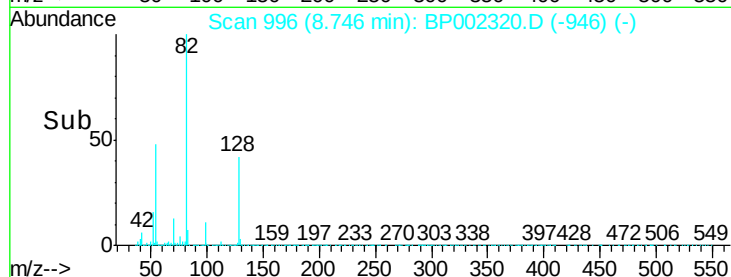
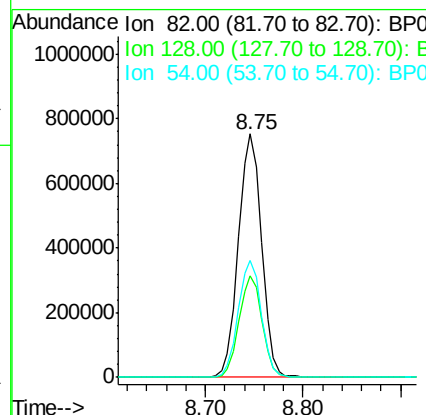
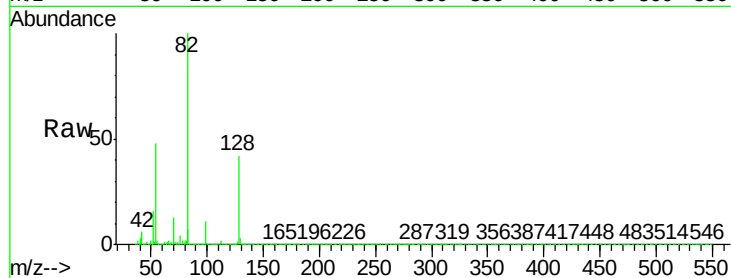




#23
Nitrobenzene-d5
Concen: 56.447 ng
RT: 8.75 min Scan# 996
Delta R.T. -0.01 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

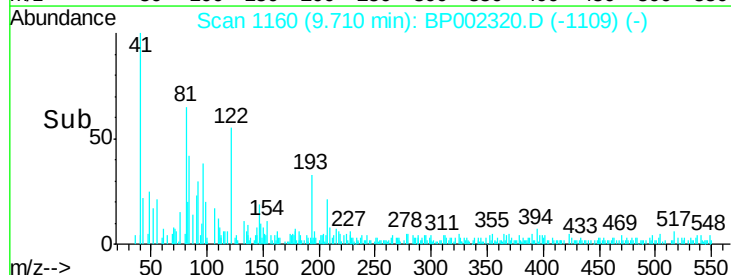
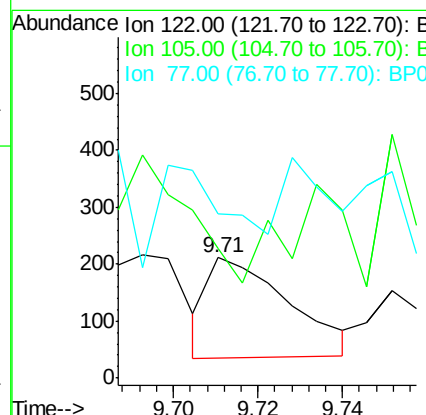
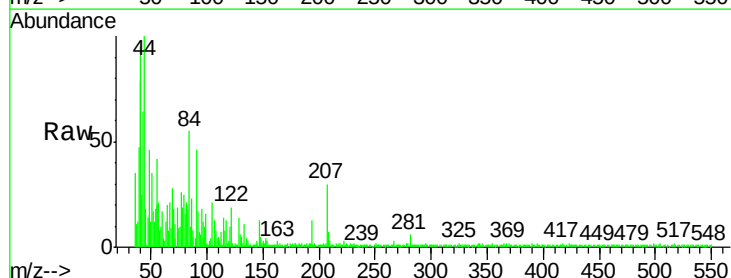
Instrument :
BNA_P
ClientSampleId :

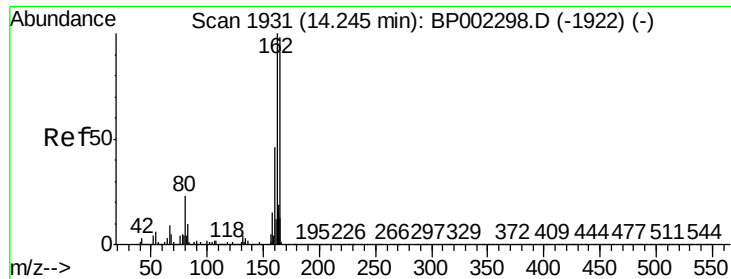
Tot Ion: 82 Resp: 1238813
Ion Ratio Lower Upper
82 100
128 41.8 33.4 50.0
54 47.8 38.3 57.5



#32
Benzoic acid
Concen: 4.826 ng
RT: 9.71 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

Tgt Ion:122 Resp: 234
Ion Ratio Lower Upper
122 100
105 107.6 102.7 142.7
77 136.5 74.8 114.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.25 min Scan# 1932

Delta R.T. 0.00 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

Instrument :

BNA_P

ClientSampleId :

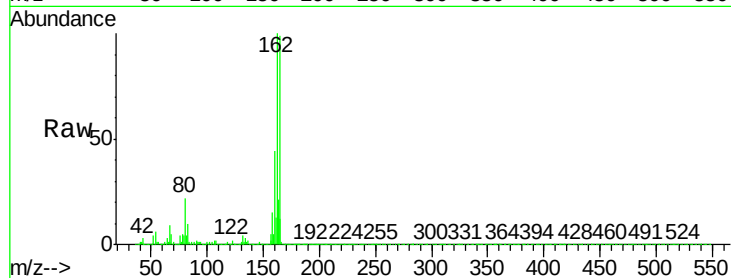
Tot Ion:164 Resp: 776980

Ion Ratio Lower Upper

164 100

162 101.2 81.3 121.9

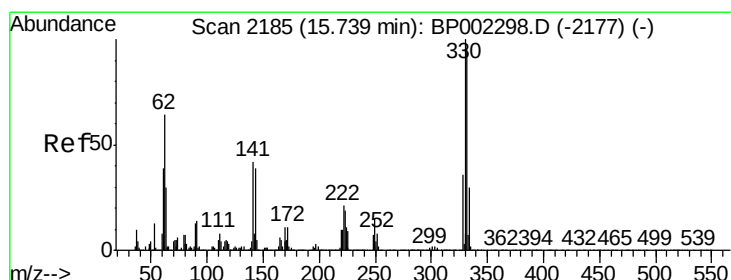
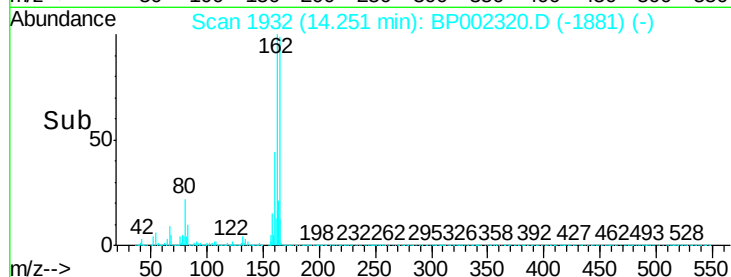
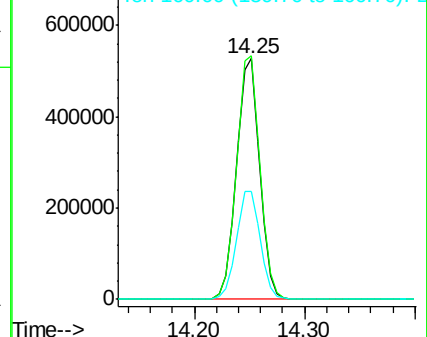
160 44.7 37.2 55.8



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



#42

2,4,6-Tribromophenol

Concen: 81.127 ng

RT: 15.75 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

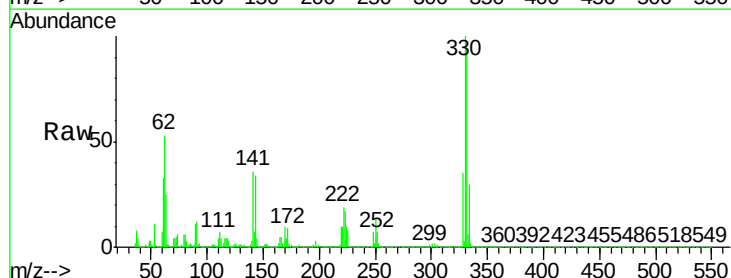
Tgt Ion:330 Resp: 597406

Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

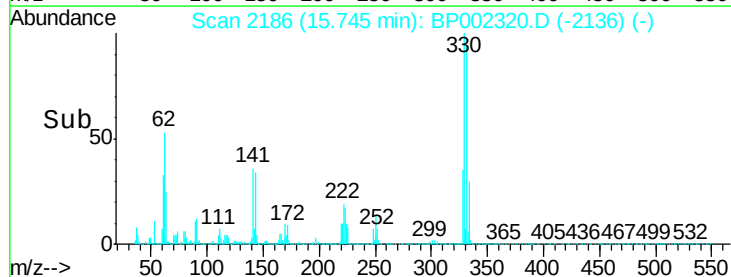
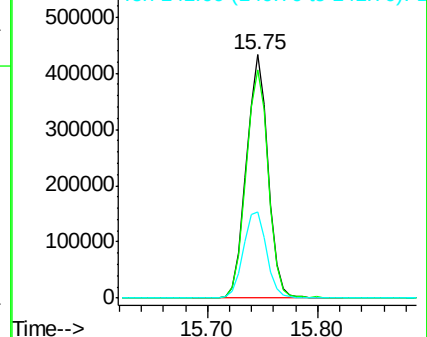
141 37.9 31.4 47.2

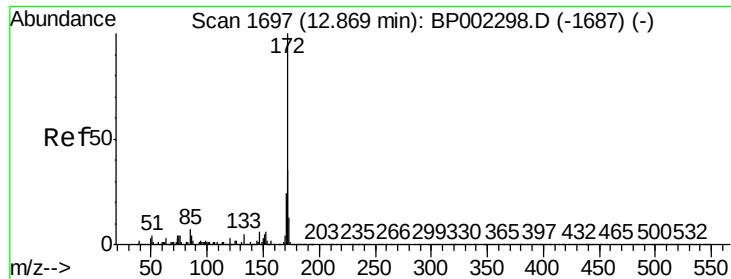


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

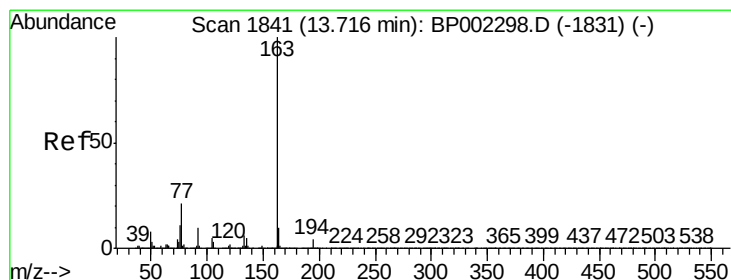
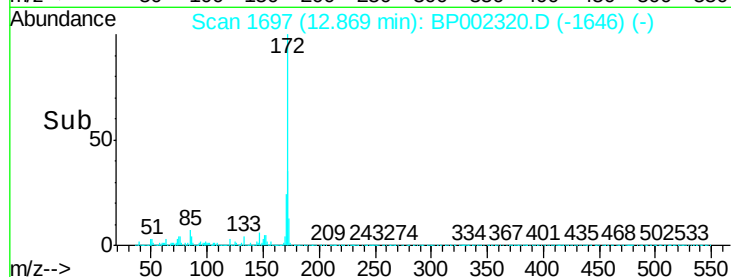
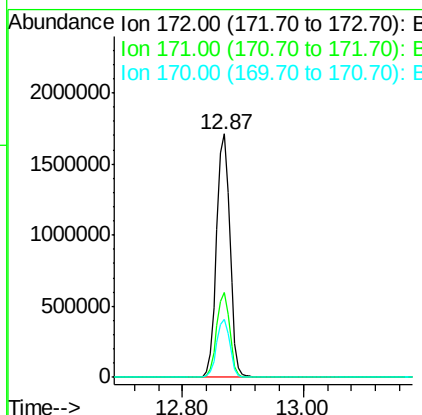
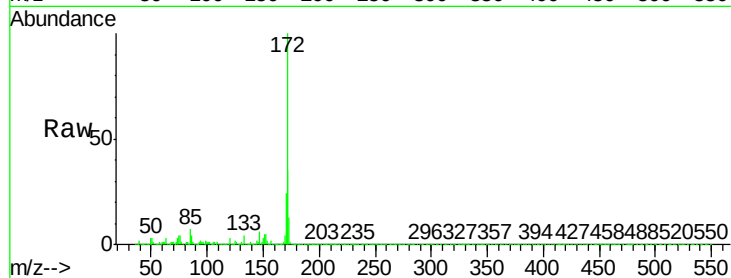




#45
2-Fluorobiphenyl
Concen: 59.159 ng
RT: 12.87 min Scan# 1697
Delta R.T. 0.00 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

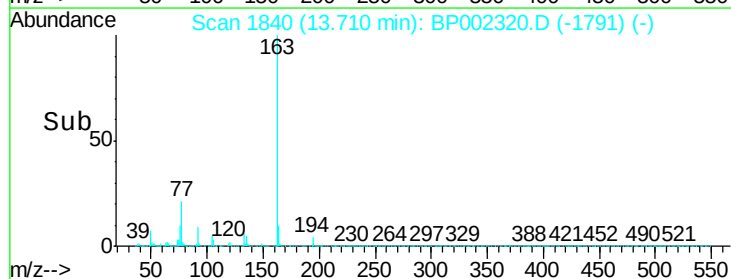
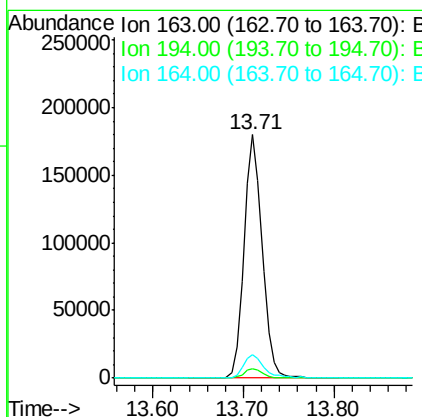
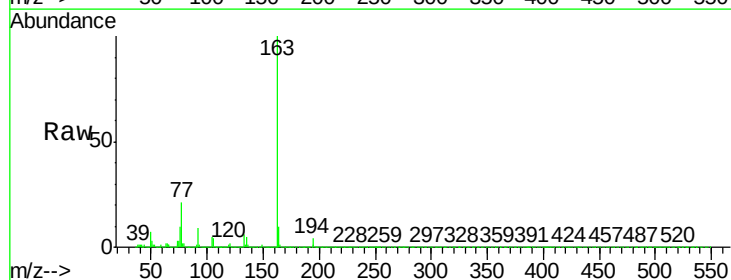
Instrument :
BNA_P
ClientSampleId :

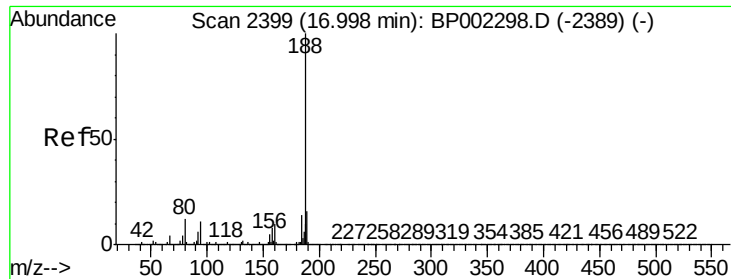
Tot Ion:172 Resp: 2604934
Ion Ratio Lower Upper
172 100
171 34.7 27.6 41.4
170 23.6 18.9 28.3



#50
Dimethylphthalate
Concen: 4.735 ng
RT: 13.71 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

Tgt Ion:163 Resp: 249035
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.8 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

Instrument :

BNA_P

ClientSampleId :

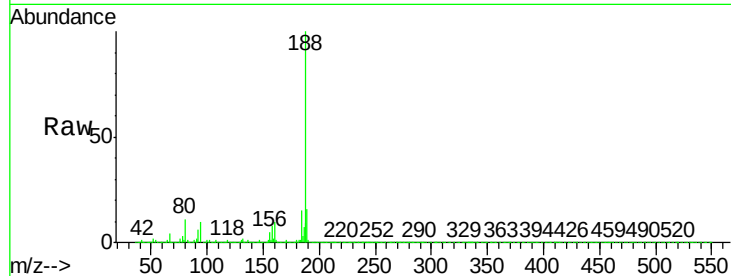
Tot Ion:188 Resp: 1614580

Ion Ratio Lower Upper

188 100

94 10.5 8.7 13.1

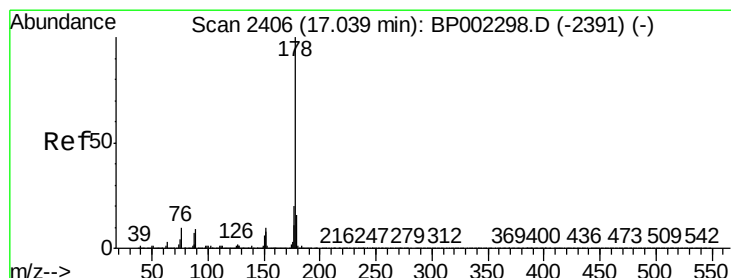
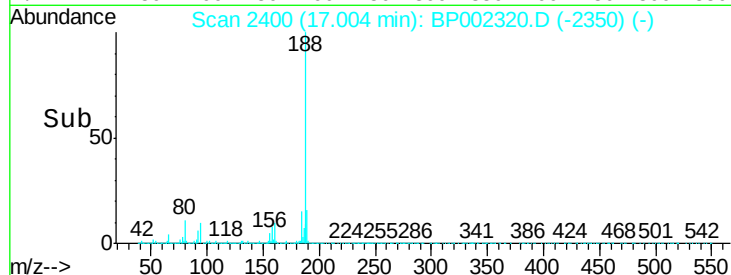
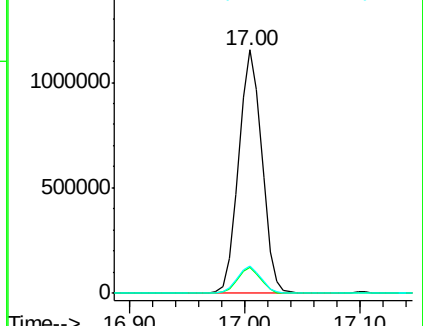
80 11.2 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#71

Phenanthrene

Concen: 3.237 ng

RT: 17.05 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

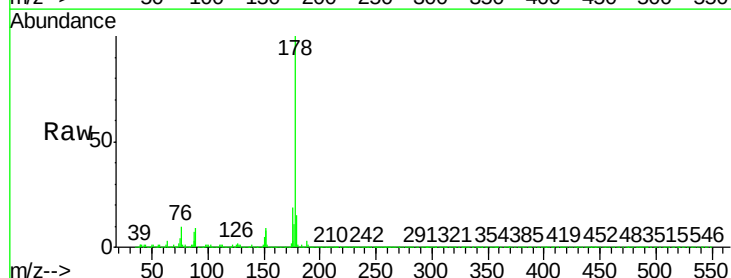
Tgt Ion:178 Resp: 247594

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

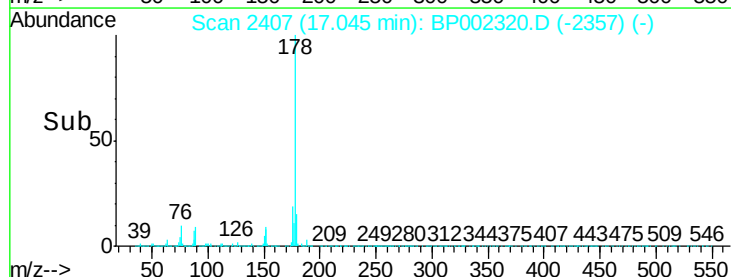
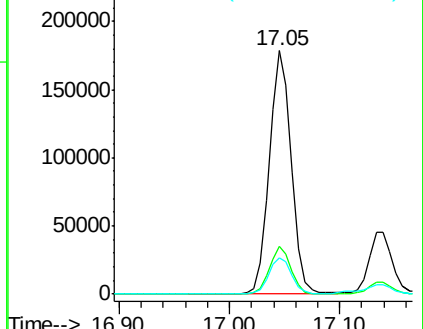
179 15.0 12.6 18.8

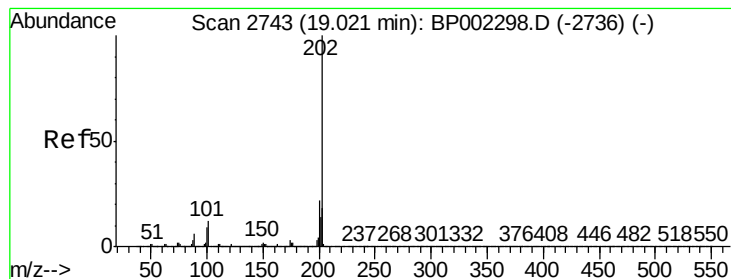


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.560 ng

RT: 19.03 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BP002320.D

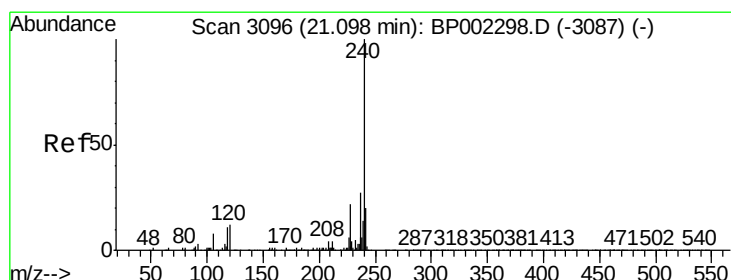
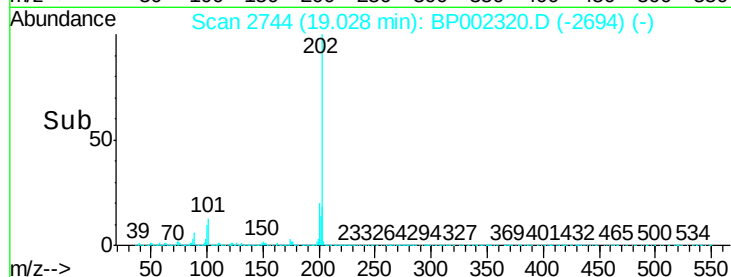
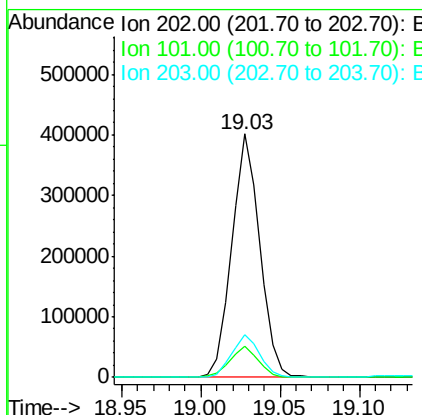
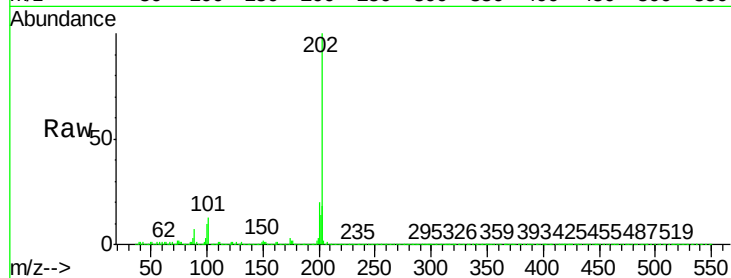
Acq: 29 May 2020 18:02

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	489792
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	32.1
203	17.6	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

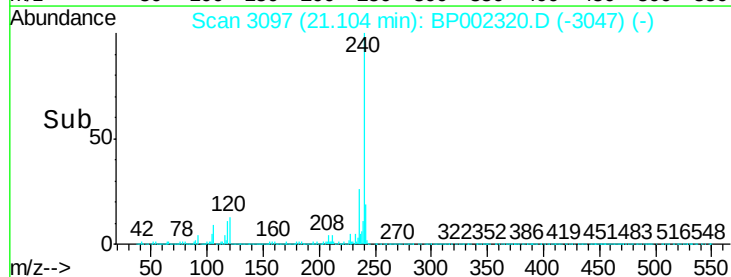
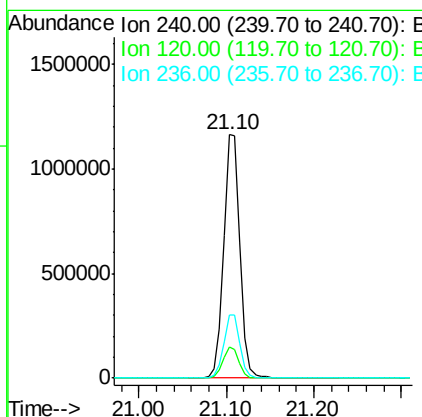
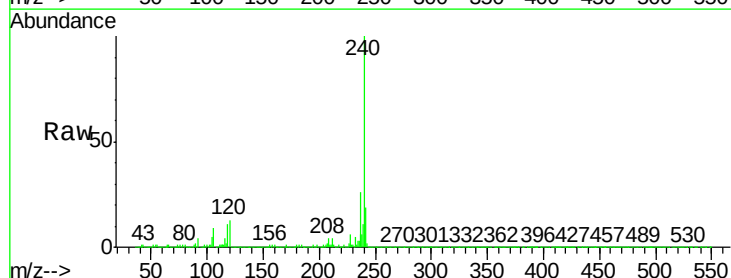
RT: 21.10 min Scan# 3097

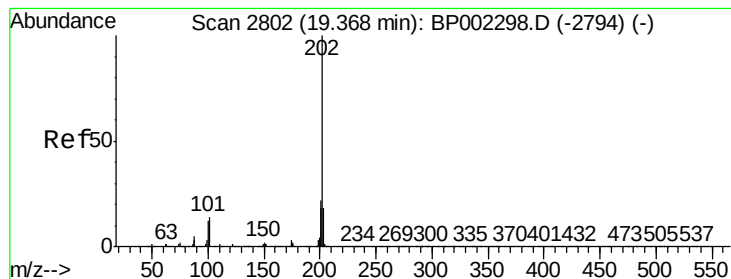
Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

Tgt Ion:	240	Resp:	1496231
Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.7	13.1
236	25.8	21.0	31.4





#78

Pvrene

Concen: 5.035 ng

RT: 19.38 min Scan# 2804

Delta R.T. -0.01 min

Lab File: BP002320.D

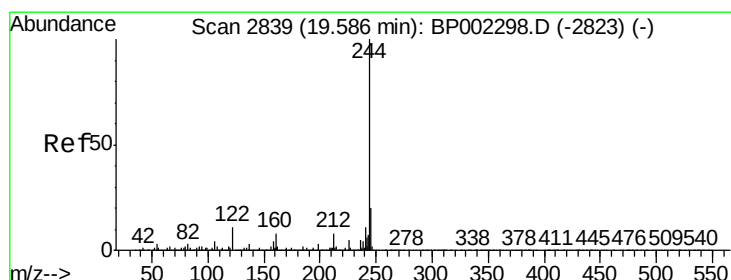
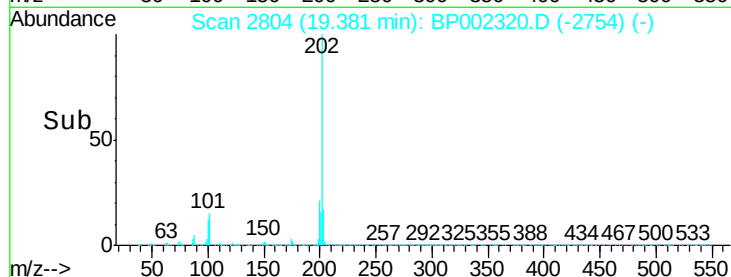
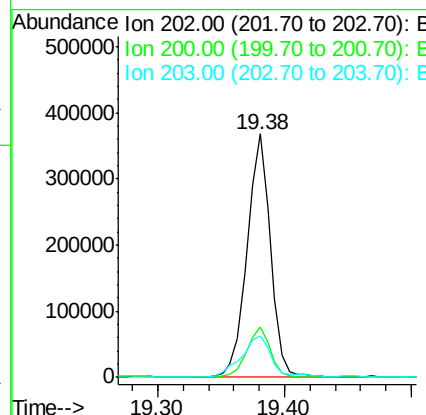
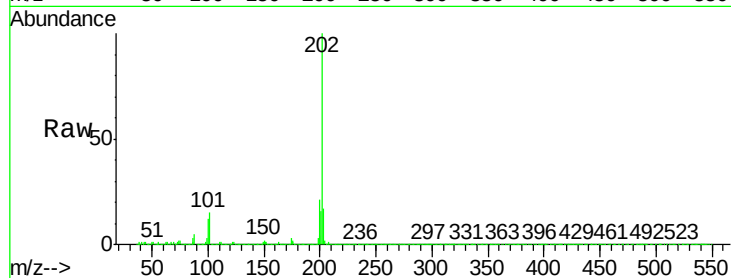
Acq: 29 May 2020 18:02

Instrument :

BNA_P

ClientSampled :

Tot Ion:	202	Resp:	469110
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.3	25.9
203	16.8	13.8	20.6



#79

Terphenyl-d14

Concen: 56.989 ng

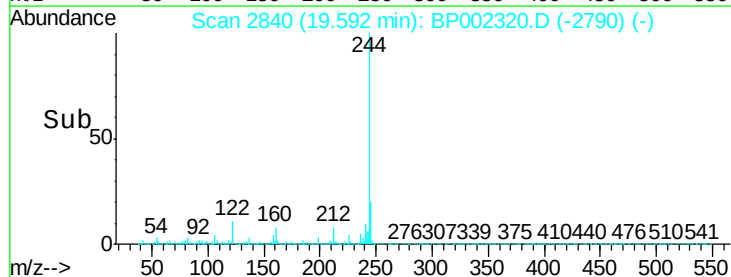
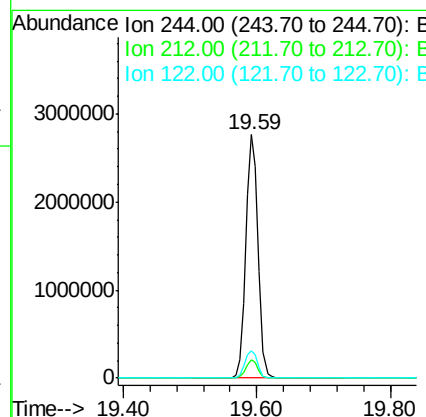
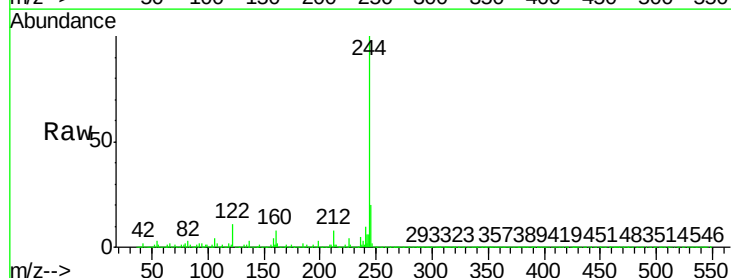
RT: 19.59 min Scan# 2840

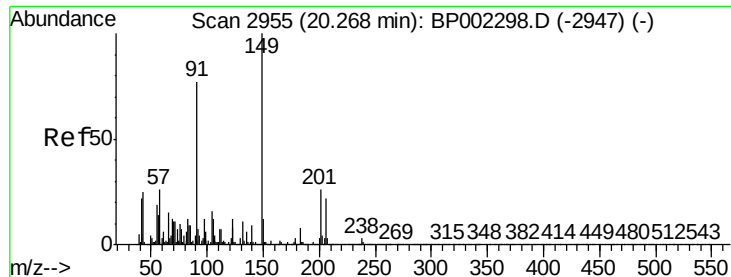
Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

Tgt Ion:	244	Resp:	3521001
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	11.4	9.4	14.0

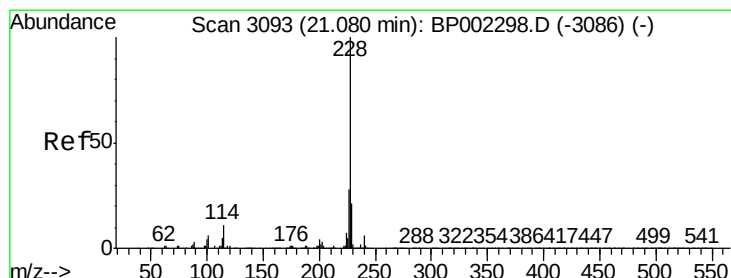
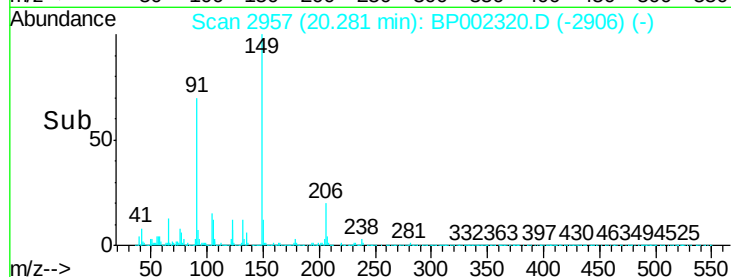
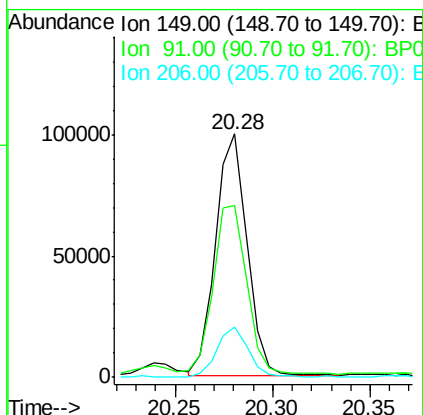
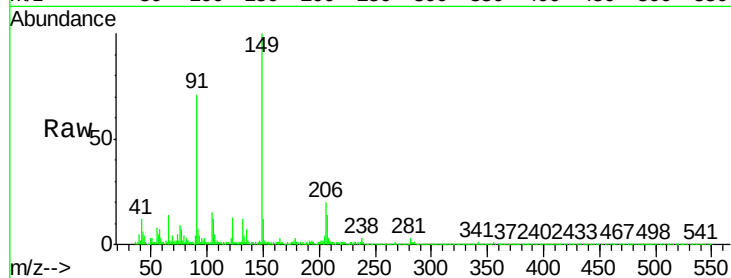




#80
Butylbenzylphthalate
Concen: 2.993 ng
RT: 20.28 min Scan# 2957
Delta R.T. 0.00 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

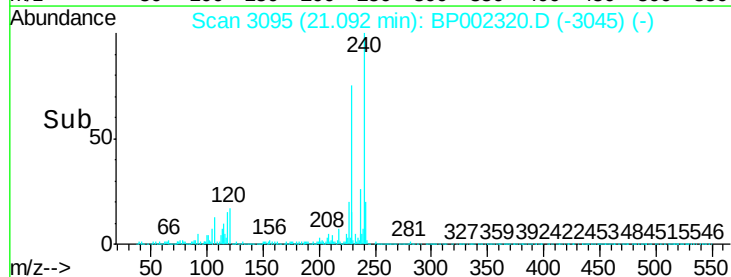
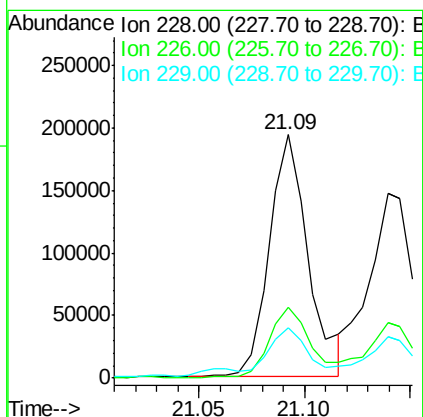
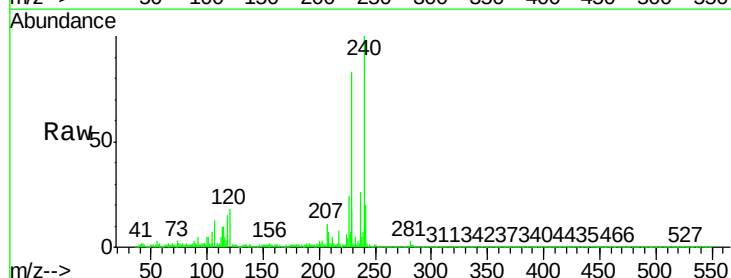
Instrument :
BNA_P
ClientSampleId :

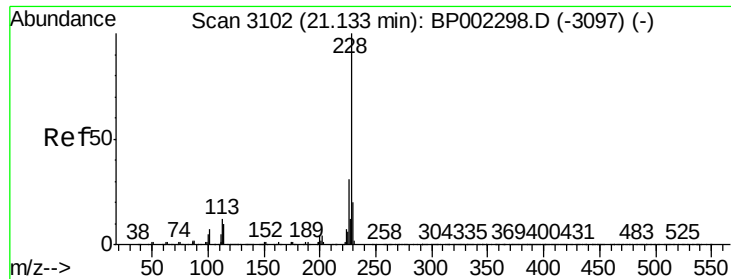
Tot Ion:149 Resp: 111040
Ion Ratio Lower Upper
149 100
91 70.8 56.6 84.8
206 20.4 18.7 28.1



#81
Benzo(a)anthracene
Concen: 2.904 ng
RT: 21.09 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

Tgt Ion:228 Resp: 248700
Ion Ratio Lower Upper
228 100
226 29.2 22.7 34.1
229 20.8 16.3 24.5





#83

Chrysene

Concen: 2.600 ng

RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

Instrument :

BNA_P

ClientSampleId :

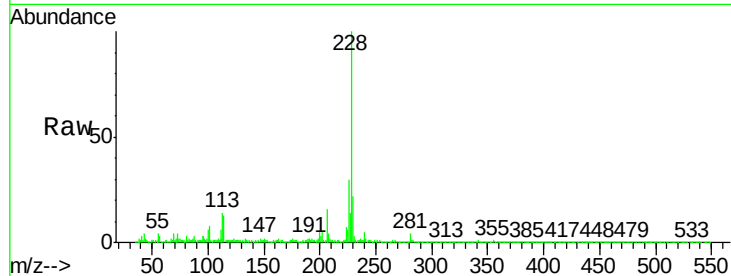
Tot Ion:228 Resp: 213752

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

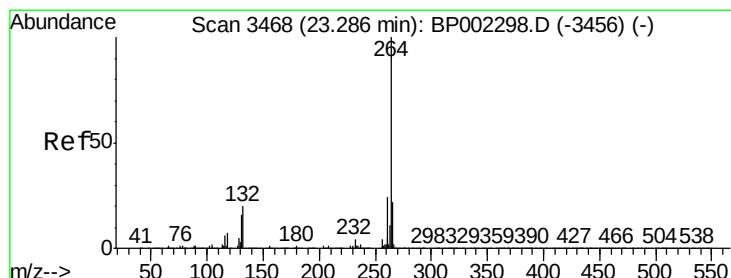
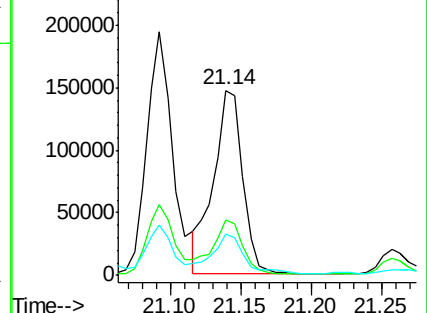
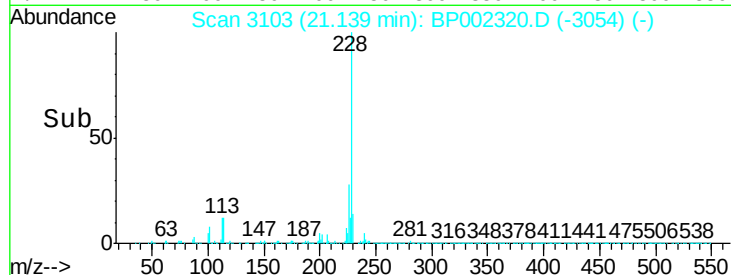
229 22.3 16.2 24.4



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: 23.31 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

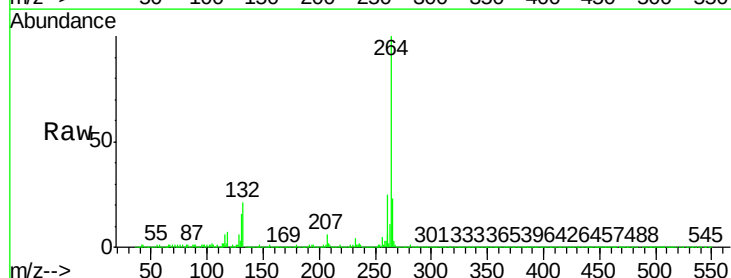
Tgt Ion:264 Resp: 1514540

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

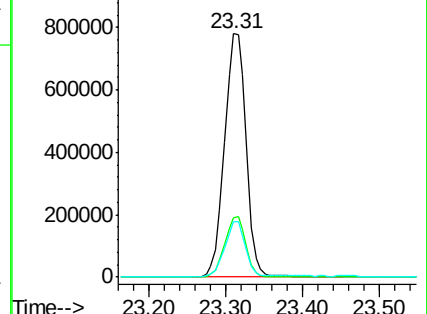
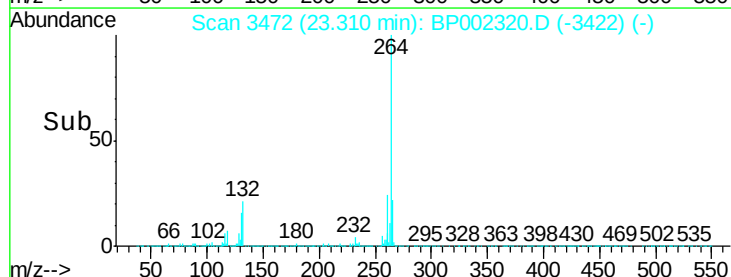
265 22.6 17.8 26.6

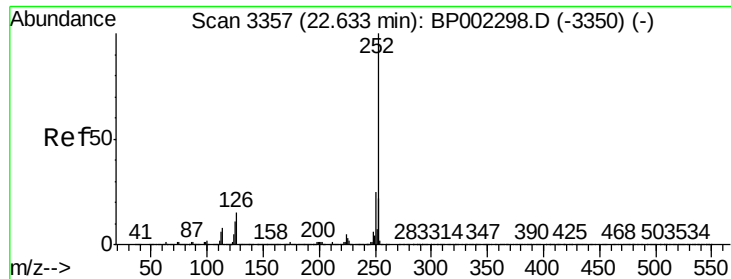


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

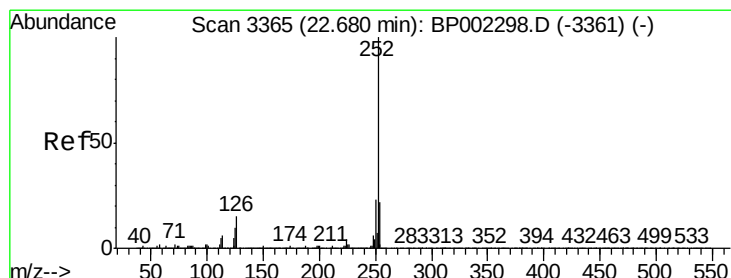
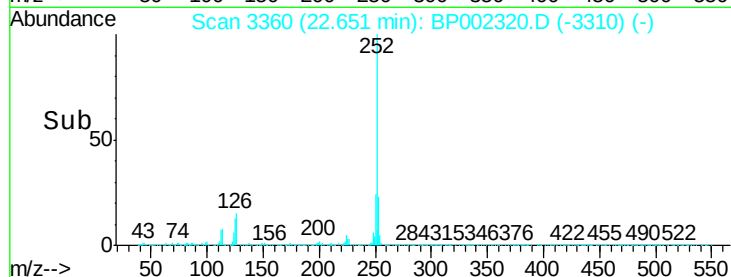
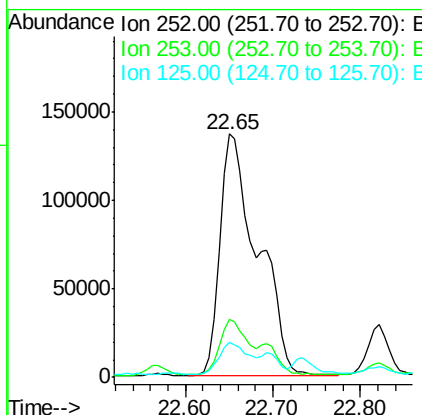
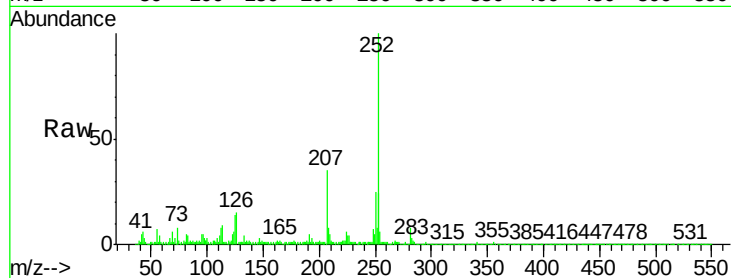




#88
Benzo(b)fluoranthene
Concen: 4.911 ng
RT: 22.65 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

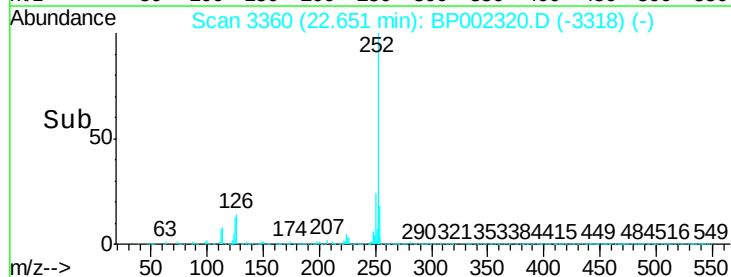
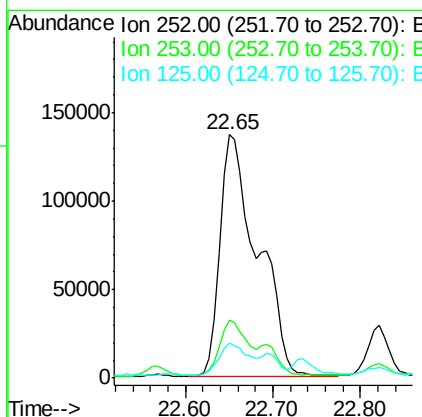
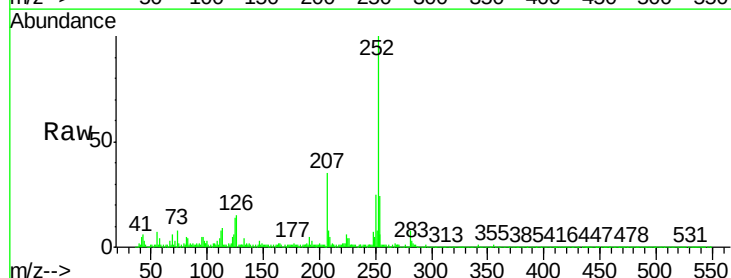
Instrument :
BNA_P
ClientSampleId :

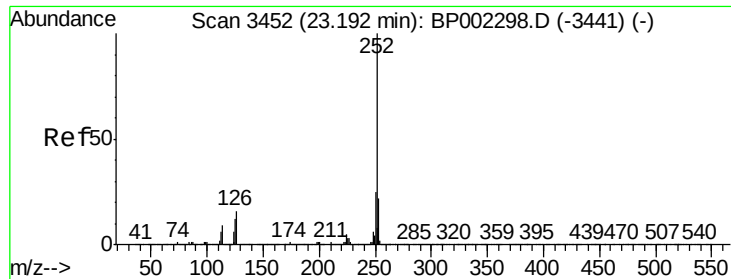
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	14.2	7.2	10.8



#89
Benzo(k)fluoranthene
Concen: 5.118 ng
RT: 22.65 min Scan# 3360
Delta R.T. -0.05 min
Lab File: BP002320.D
Acq: 29 May 2020 18:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	14.2	7.4	11.2





#90

Benzo(a)pyrene

Concen: 2.914 ng

RT: 23.21 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BP002320.D

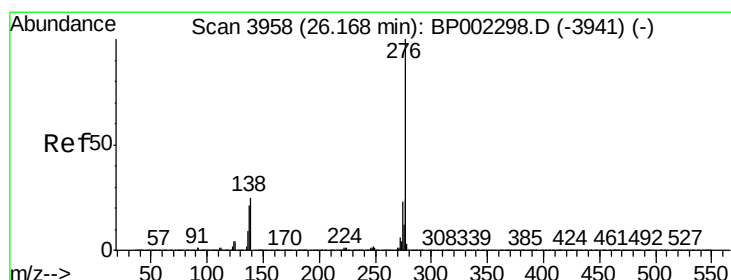
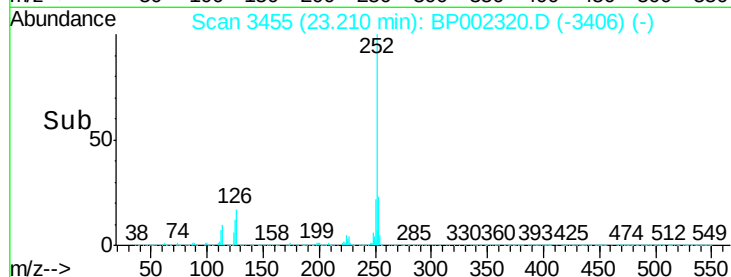
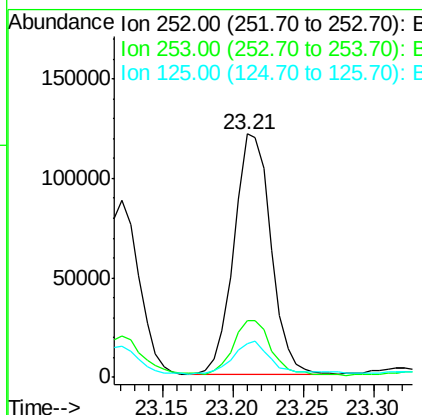
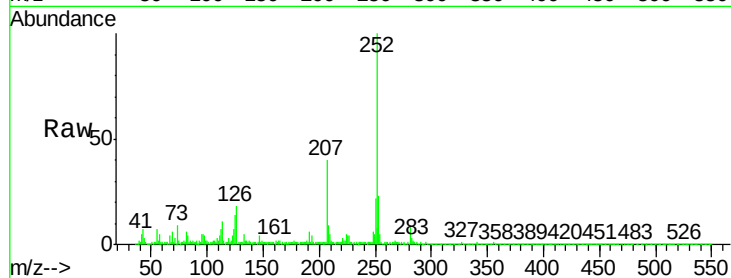
Acq: 29 May 2020 18:02

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	252	Resp:	223216
Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	14.0	8.4	12.6#



#92

Benzo(g,h,i)perylene

Concen: 2.073 ng

RT: 26.20 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BP002320.D

Acq: 29 May 2020 18:02

Tgt Ion:	276	Resp:	161648
Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	24.9	16.0	24.0#

