

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
 Data File : BP003228.D
 Acq On : 08 Sep 2020 15:48
 Operator : CG/JU
 Sample : L3916-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-1

Quant Time: Sep 08 17:14:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	214742	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	774697	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	408586	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	853752	20.00	ng	0.00
76) Chrysene-d12	21.15	240	724923	20.00	ng	0.00
86) Perylene-d12	23.39	264	876519	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1010539	83.20	ng	0.00
7) Phenol-d6	6.84	99	1139065	74.81	ng	0.00
23) Nitrobenzene-d5	8.80	82	733410	68.25	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	472588	85.52	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	1704434	61.09	ng	0.00
79) Terphenyl-d14	19.62	244	1891031	57.40	ng	0.00

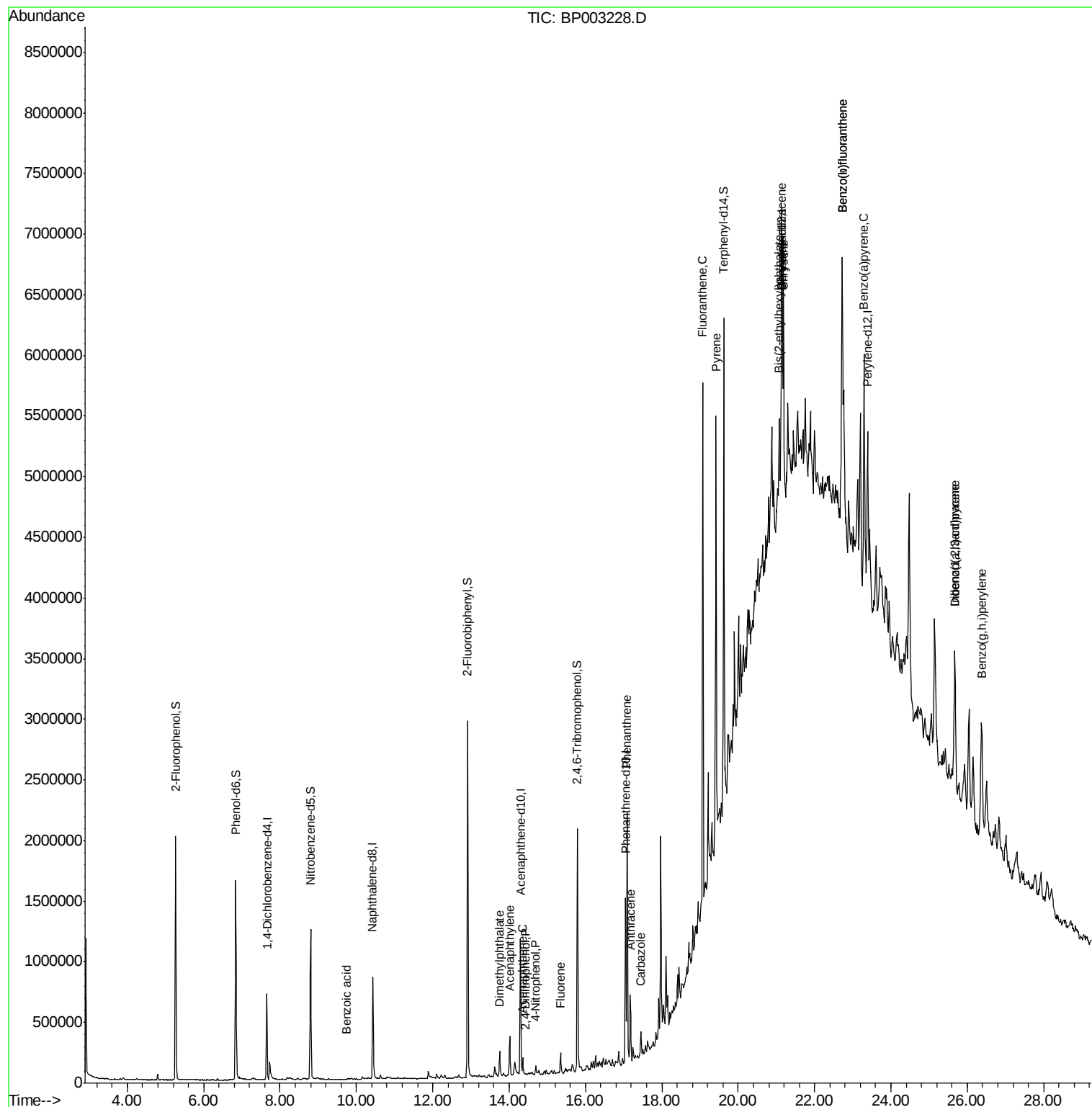
Target Compounds				Qvalue		
32) Benzoic acid	9.75	122	1874	9.205	ng	# 82
49) Acenaphthylene	14.01	152	176270	4.647	ng	99
50) Dimethylphthalate	13.75	163	139682	4.483	ng	99
52) Acenaphthene	14.36	154	49278	2.115	ng	98
54) 2,4-Dinitrophenol	14.42	184	84	7.776	ng	# 1
56) 4-Nitrophenol	14.69	139	15488	2.934	ng	# 27
58) Fluorene	15.35	166	79961	2.836	ng	98
71) Phenanthrene	17.09	178	1280216	27.673	ng	99
72) Anthracene	17.18	178	365612	8.258	ng	99
73) Carbazole	17.45	167	128775	3.031	ng	98
75) Fluoranthene	19.07	202	2728740	51.035	ng	99
78) Pylene	19.42	202	2381475	50.616	ng	100
81) Benzo(a)anthracene	21.13	228	1261597	27.783	ng	97
83) Chrysene	21.18	228	1321188	30.388	ng	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	343889	12.292	ng	96
87) Indeno(1,2,3-cd)pyrene	25.67	276	1185827	18.141	ng	95
88) Benzo(b)fluoranthene	22.72	252	1964878	36.067	ng	# 92
89) Benzo(k)fluoranthene	22.72	252	1964878	37.749	ng	# 92
90) Benzo(a)pyrene	23.29	252	1458199	28.852	ng	# 94
91) Dibenzo(a,h)anthracene	25.67	278	305990	5.698	ng	# 81
92) Benzo(g,h,i)perylene	26.37	276	1195884	22.192	ng	99

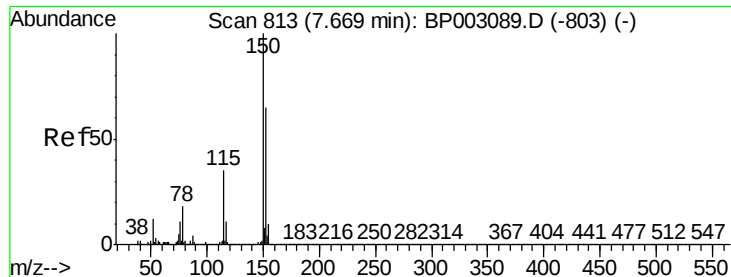
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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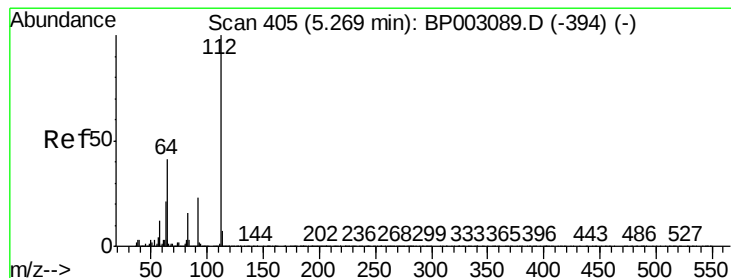
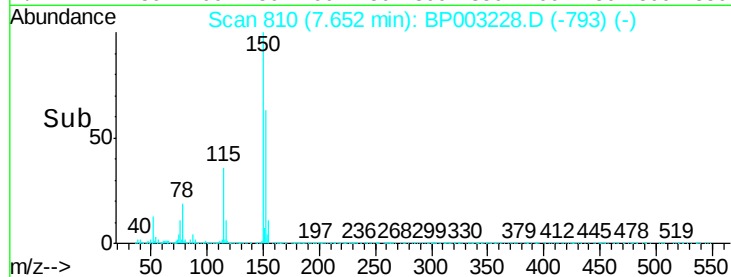
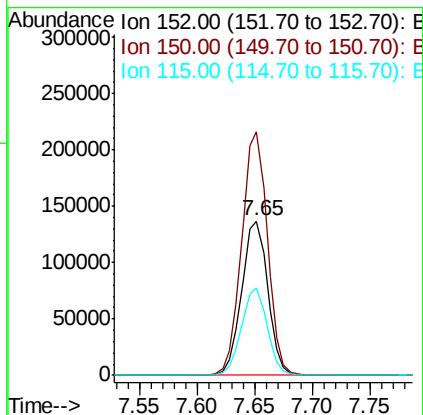
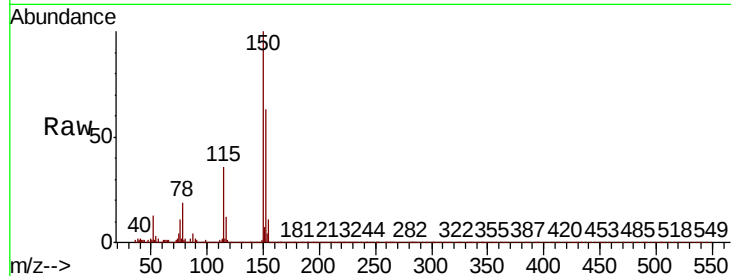


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampleId :
WC-1

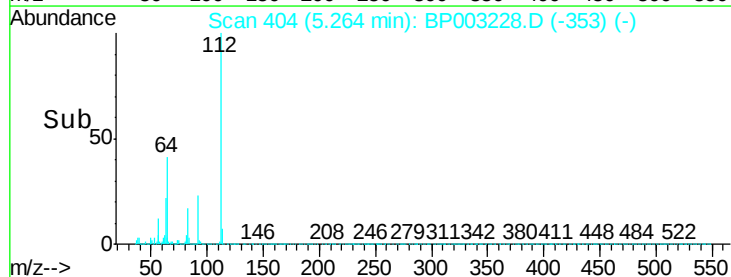
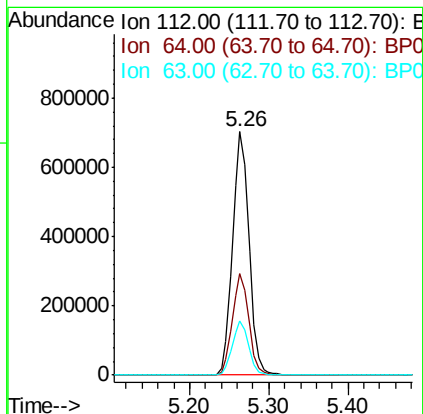
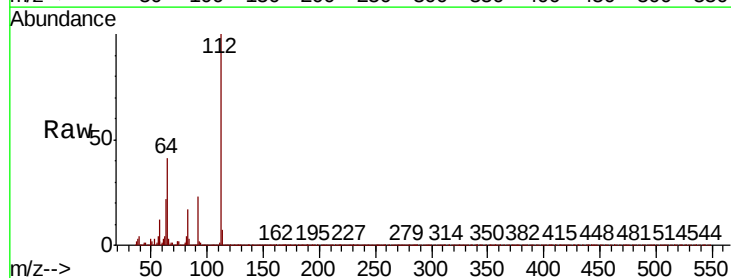
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	123.8	185.6
115	56.7	43.8	65.6

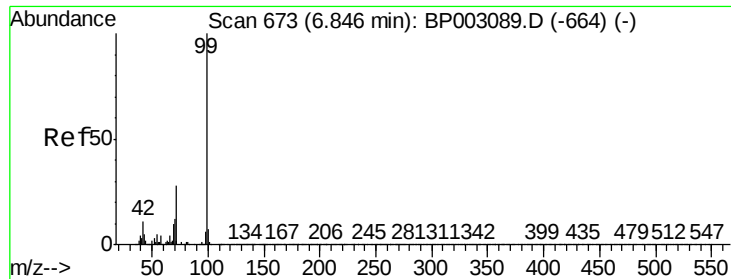


#5

2-Fluorophenol
Concen: 83.200 ng
RT: 5.26 min Scan# 404
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.5	32.8	49.2
63	22.3	17.0	25.4





#7

Phenol-d6

Concen: 74.812 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

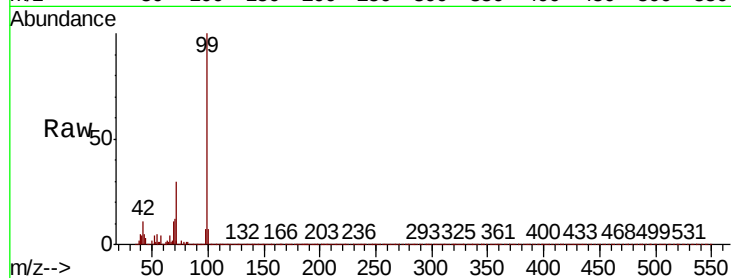
BNA_P

ClientSampleId :

WC-1

Tot Ion: 99 Resp: 1139065

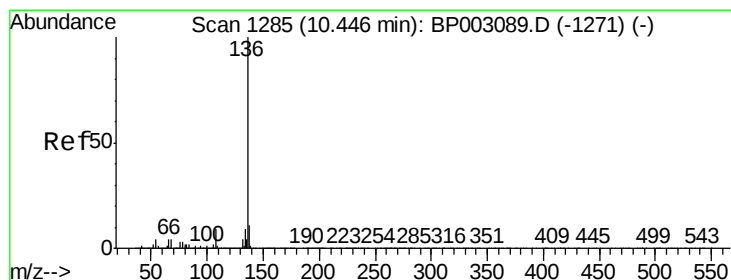
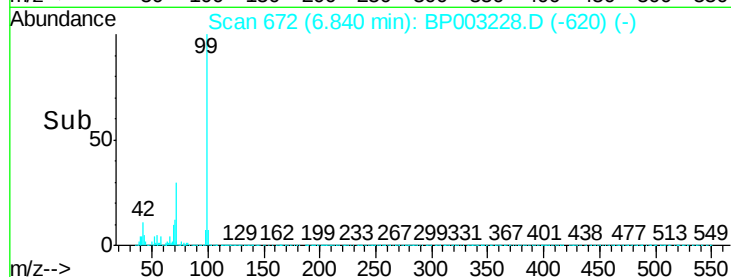
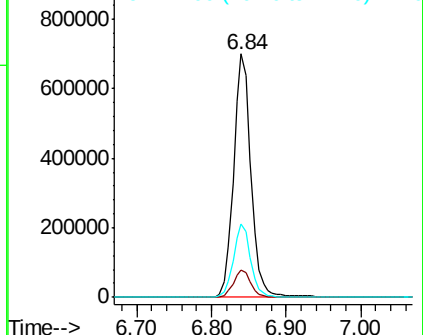
Ion	Ratio	Lower	Upper
99	100		
42	11.2	8.6	13.0
71	30.0	23.4	35.2



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: 10.43 min Scan# 1282

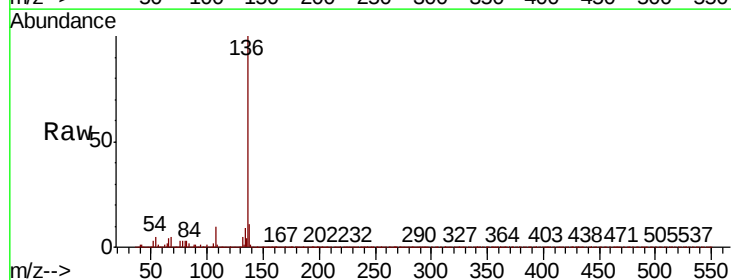
Delta R.T. -0.01 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Tgt Ion: 136 Resp: 774697

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	4.7	3.6	5.4
68	4.7	3.3	4.9

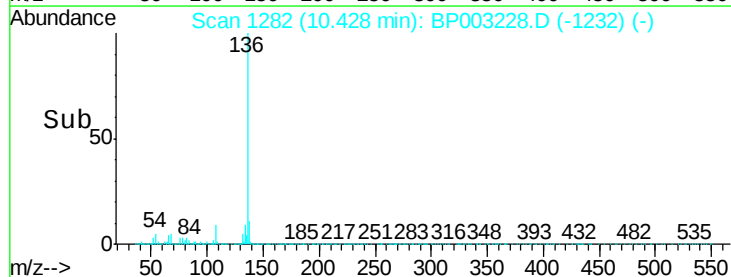
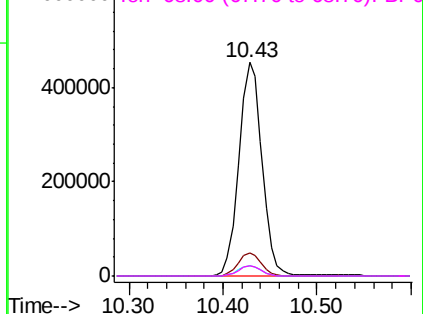


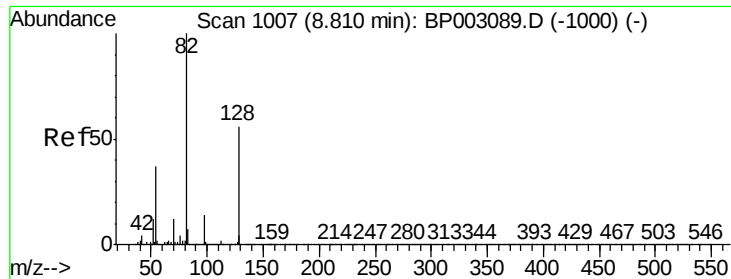
Abundance Ion 136.00 (135.70 to 136.70): E

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

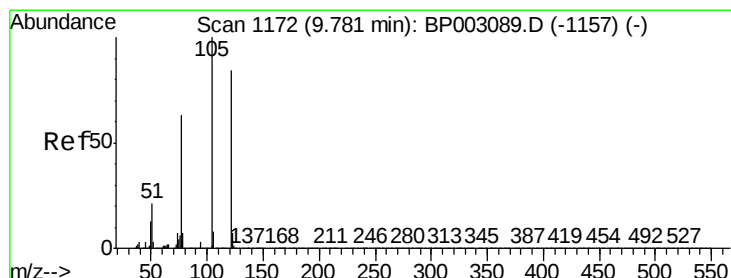
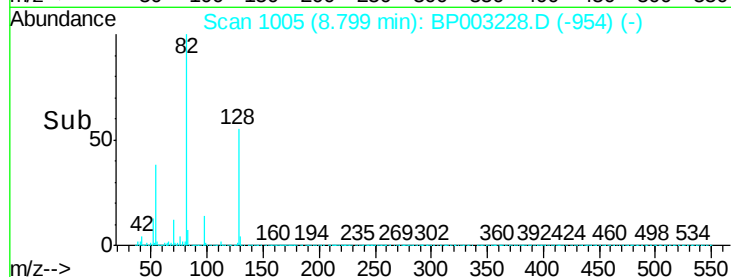
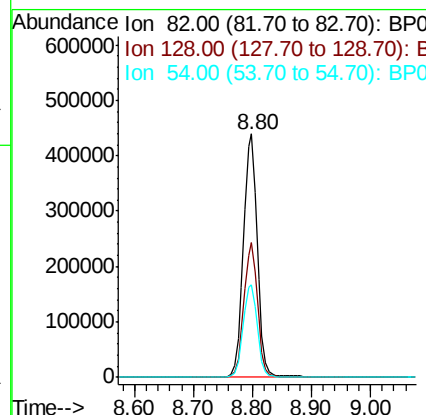
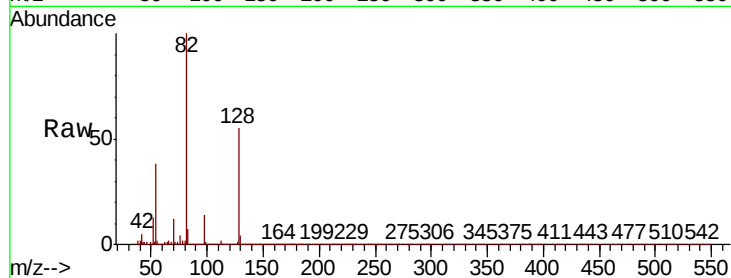




#23
 Nitrobenzene-d5
 Concen: 68.249 ng
 RT: 8.80 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

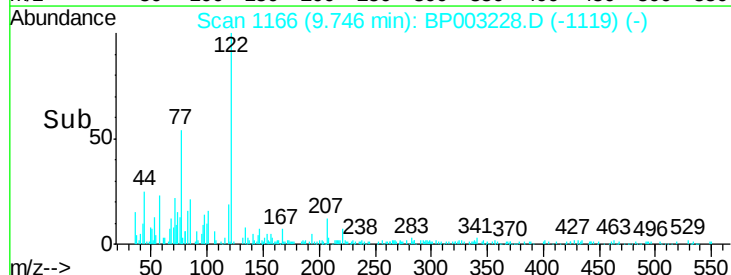
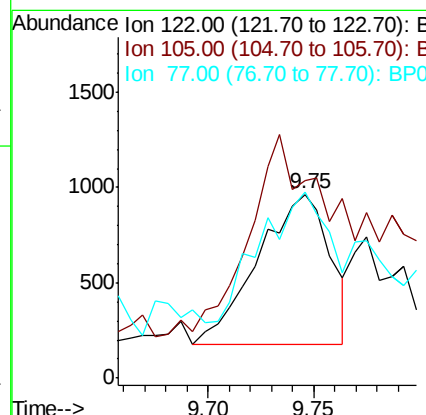
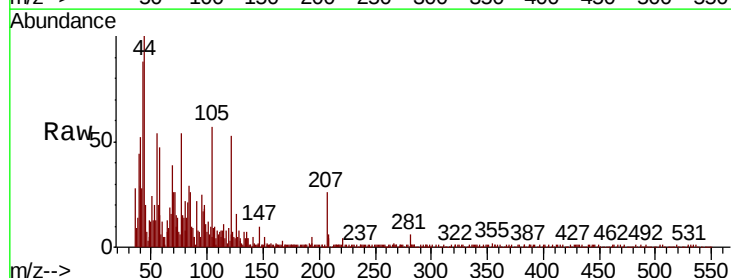
Instrument :
 BNA_P
 ClientSampled :
 WC-1

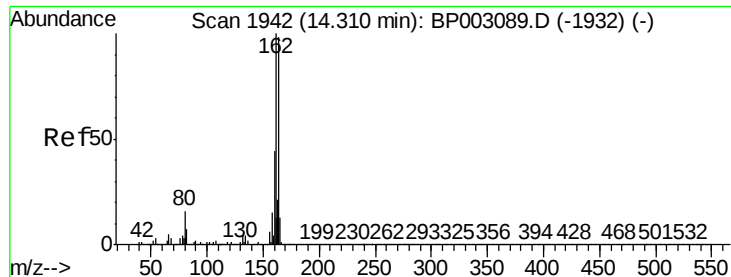
Tot Ion	82	Resp	733410
Ion Ratio	100	Lower	Upper
128	55.3	45.6	68.4
54	38.1	30.1	45.1



#32
 Benzoic acid
 Concen: 9.205 ng
 RT: 9.75 min Scan# 1166
 Delta R.T. -0.02 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

Tgt Ion	122	Resp	1874
Ion Ratio	100	Lower	Upper
105	107.0	94.1	134.1
77	101.0	50.1	90.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

ClientSampleId :

WC-1

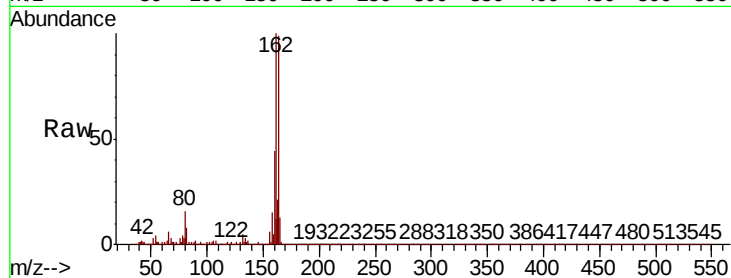
Tot Ion:164 Resp: 408586

Ion Ratio Lower Upper

164 100

162 100.8 79.4 119.2

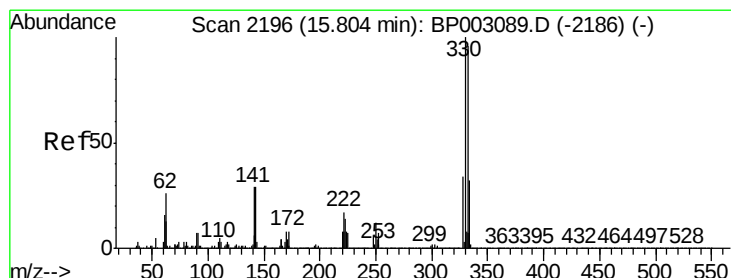
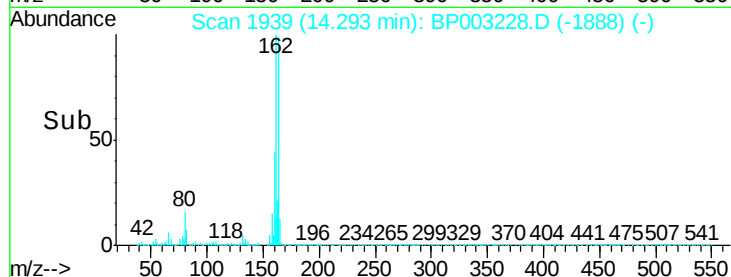
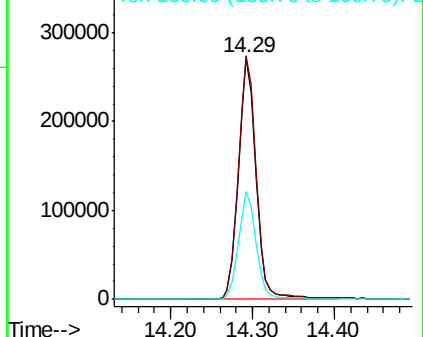
160 44.8 36.1 54.1



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: 85.520 ng

RT: 15.79 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

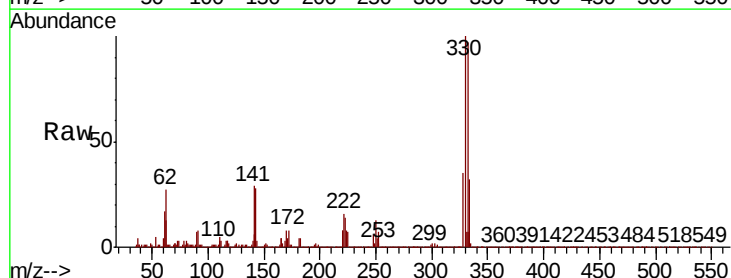
Tgt Ion:330 Resp: 472588

Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

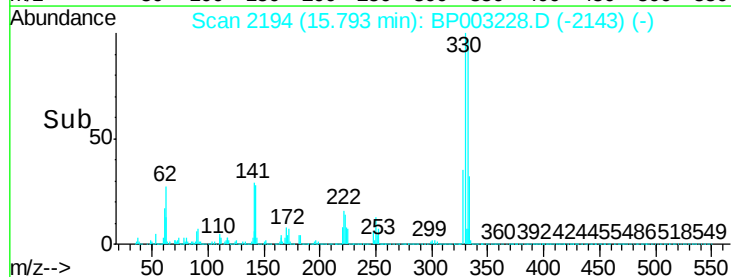
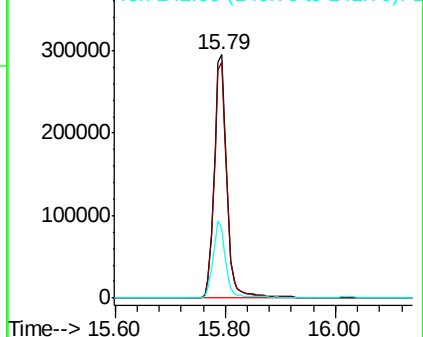
141 31.0 23.4 35.2

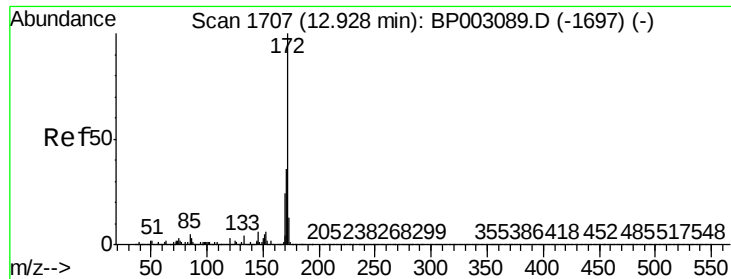


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

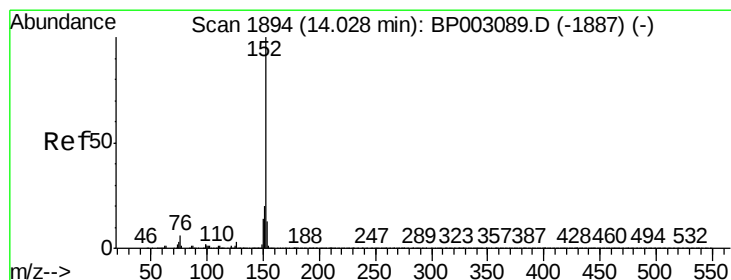
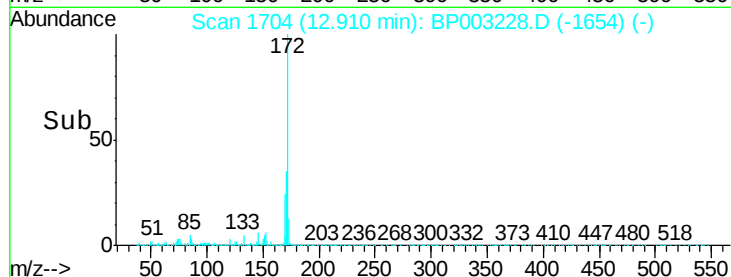
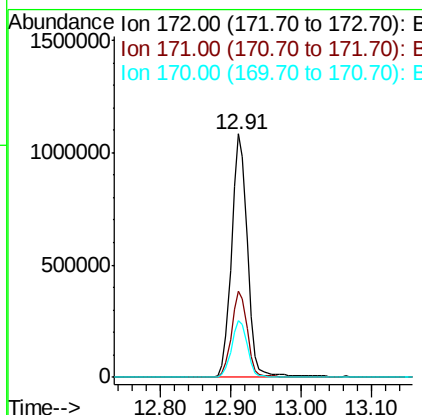
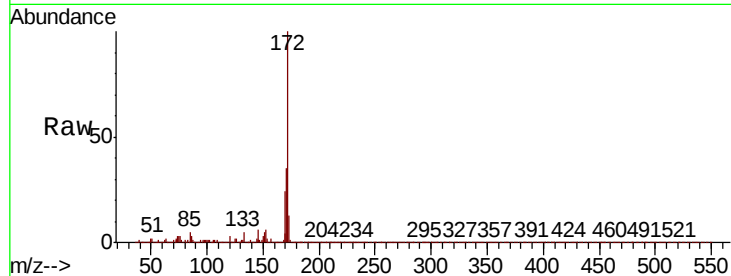




#45
2-Fluorobiphenyl
Concen: 61.090 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

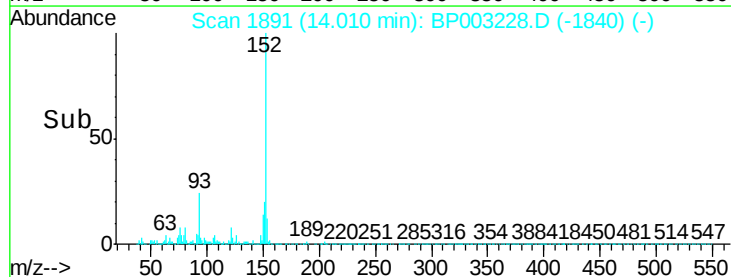
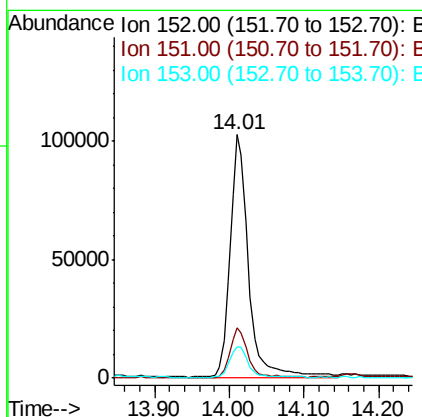
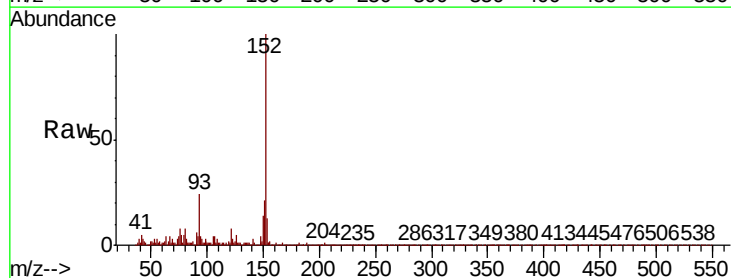
Instrument :
BNA_P
ClientSampleId :
WC-1

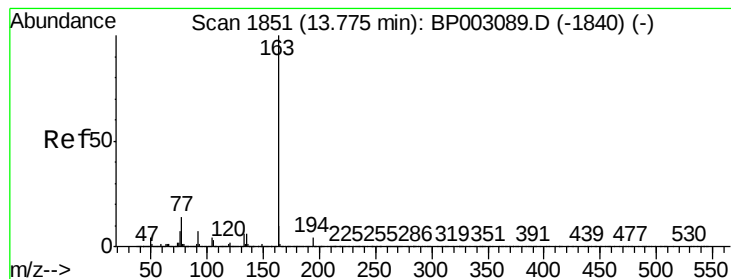
Tot Ion:172 Resp: 1704434
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.5 19.2 28.8



#49
Acenaphthylene
Concen: 4.647 ng
RT: 14.01 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion:152 Resp: 176270
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 12.6 10.5 15.7





#50

Dimethylphthalate

Concen: 4.483 ng

RT: 13.75 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

ClientSampleId :

WC-1

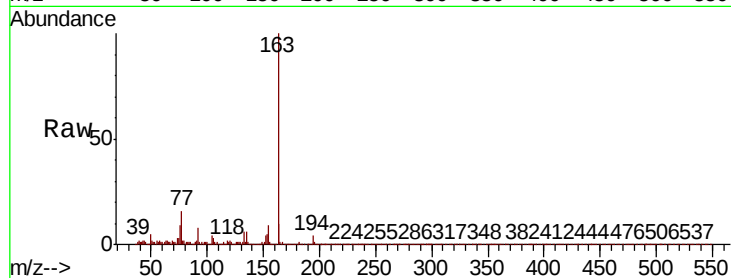
Tot Ion:163 Resp: 139682

Ion Ratio Lower Upper

163 100

194 3.6 3.3 4.9

164 10.5 8.2 12.2

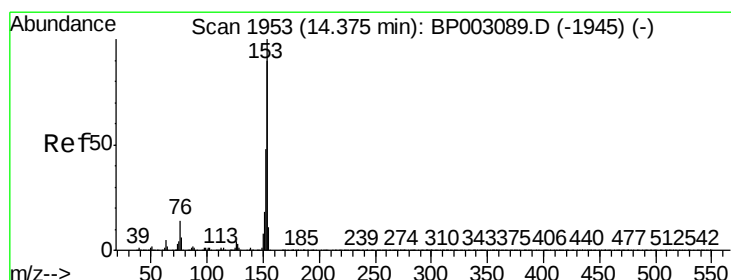
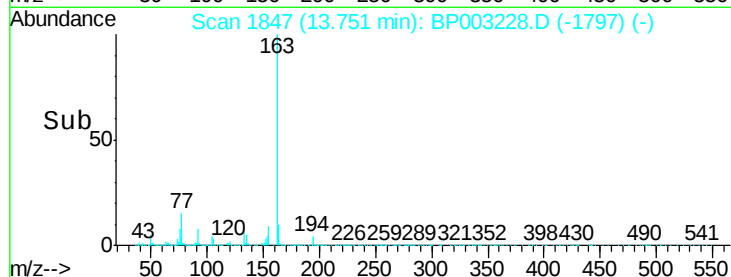
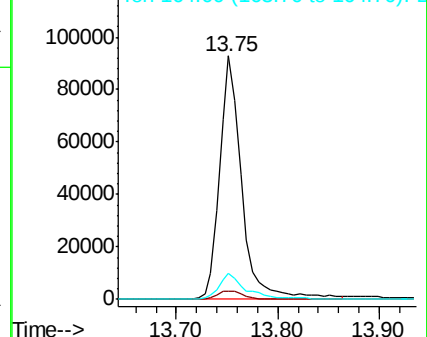


Abundance

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



#52

Acenaphthene

Concen: 2.115 ng

RT: 14.36 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

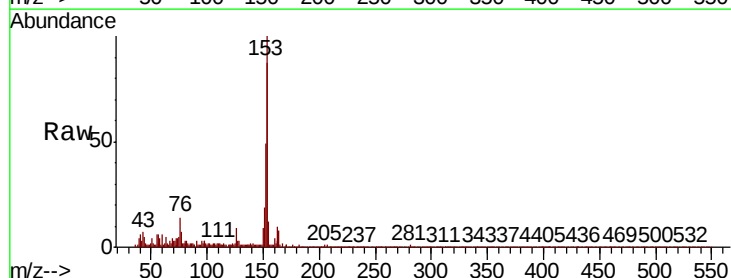
Tgt Ion:154 Resp: 49278

Ion Ratio Lower Upper

154 100

153 115.0 91.0 136.6

152 56.4 43.0 64.6

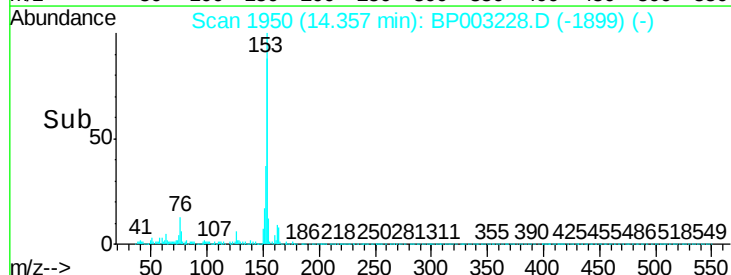
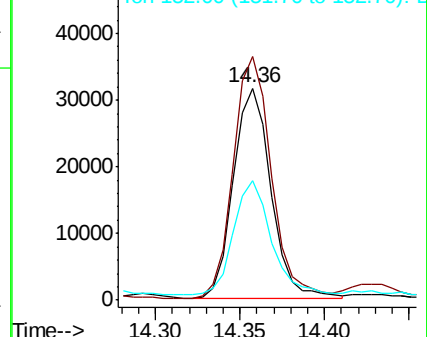


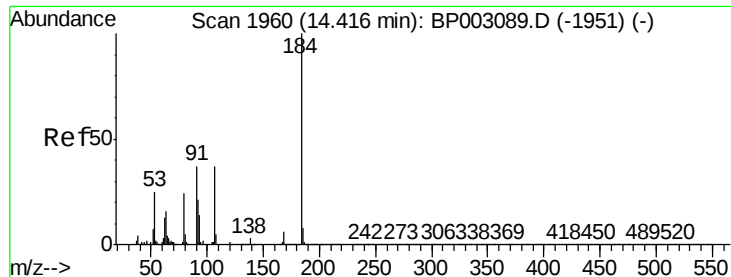
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

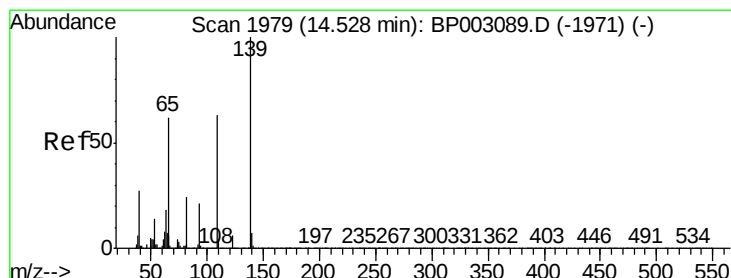
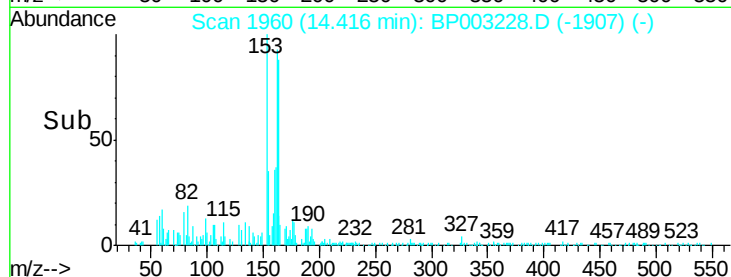
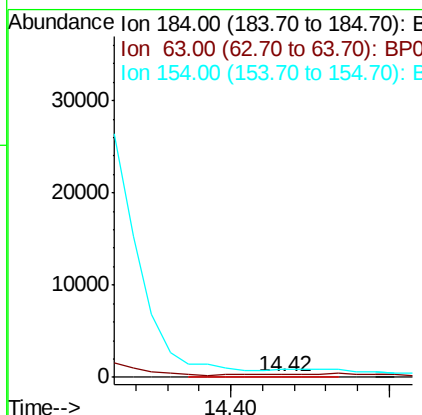
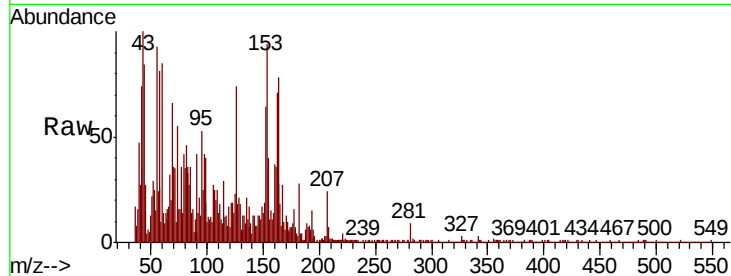




#54
2,4-Dinitrophenol
Concen: 7.776 ng
RT: 14.42 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

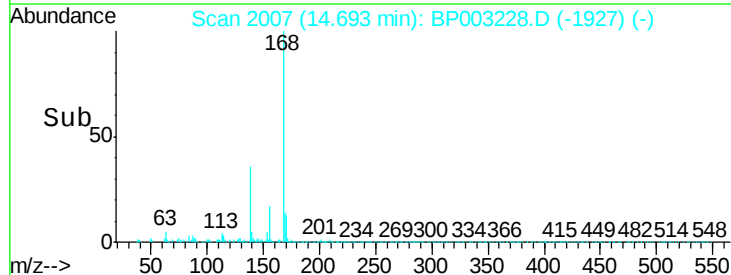
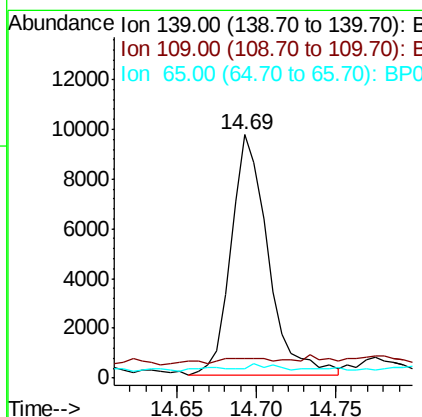
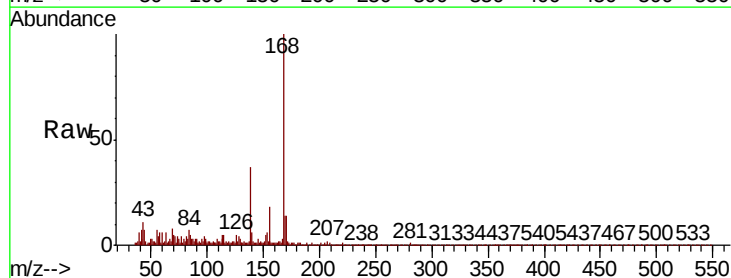
Instrument :
BNA_P
ClientSampleId :
WC-1

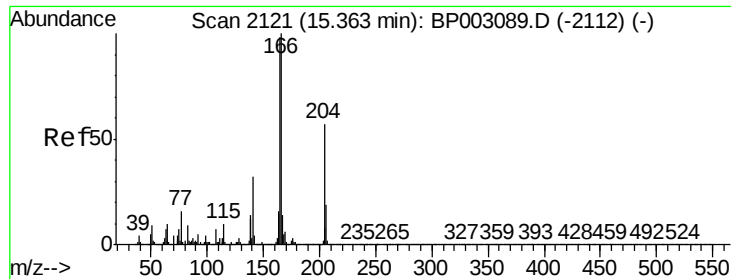
Tot Ion	Ratio	Lower	Upper
184	100		
63	323.9	32.3	48.5#
154	940.9	49.1	73.7#



#56
4-Nitrophenol
Concen: 2.934 ng
RT: 14.69 min Scan# 2007
Delta R.T. 0.17 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	8.1	44.6	84.6#
65	4.1	41.6	81.6#





#58

Fluorene

Concen: 2.836 ng

RT: 15.35 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

ClientSampleId :

WC-1

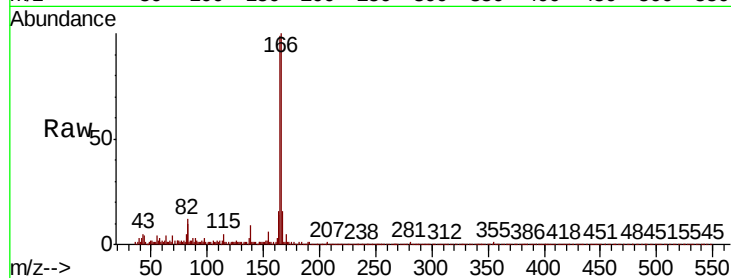
Tot Ion:166 Resp: 79961

Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.8

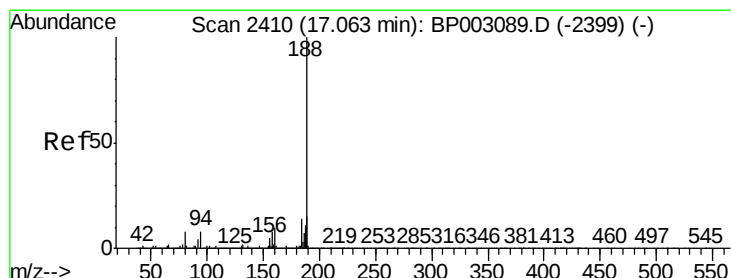
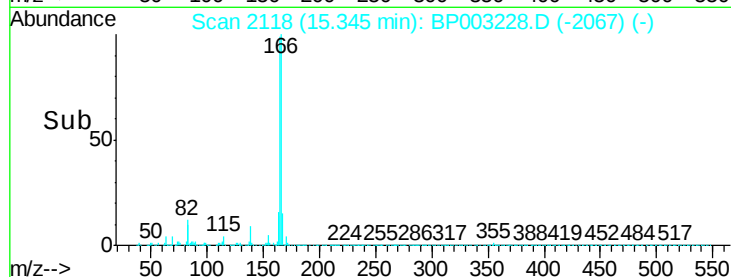
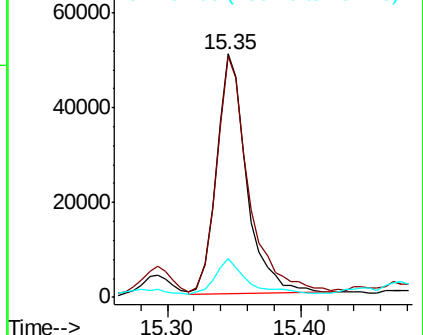
167 15.8 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2407

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

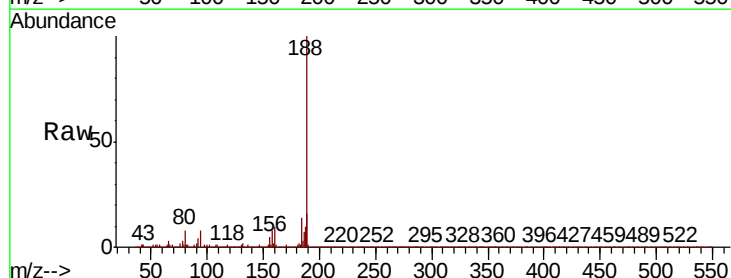
Tgt Ion:188 Resp: 853752

Ion Ratio Lower Upper

188 100

94 8.1 6.2 9.2

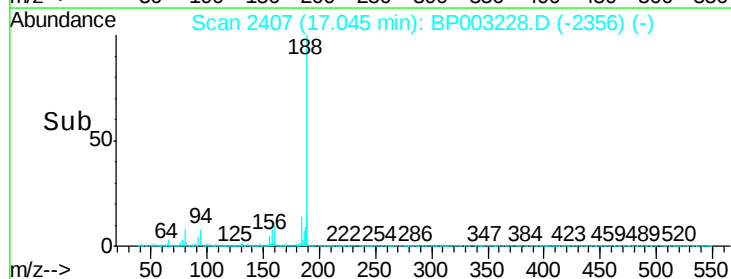
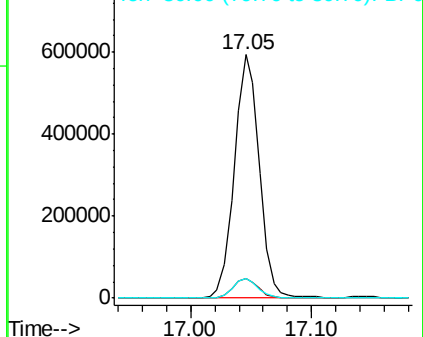
80 8.1 6.2 9.2

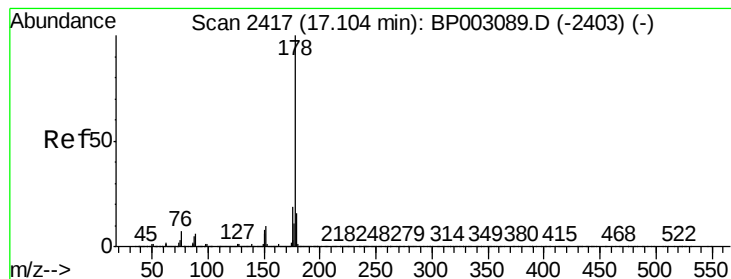


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#71

Phenanthrene

Concen: 27.673 ng

RT: 17.09 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

ClientSampleId :

WC-1

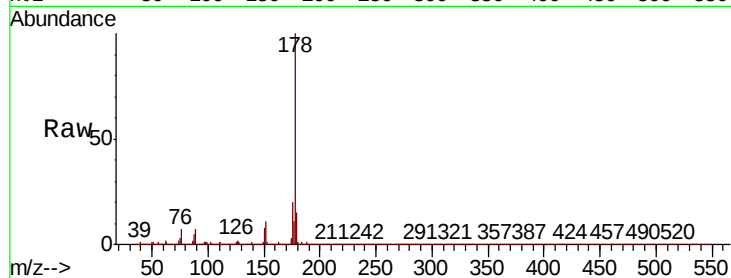
Tot Ion:178 Resp: 1280216

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

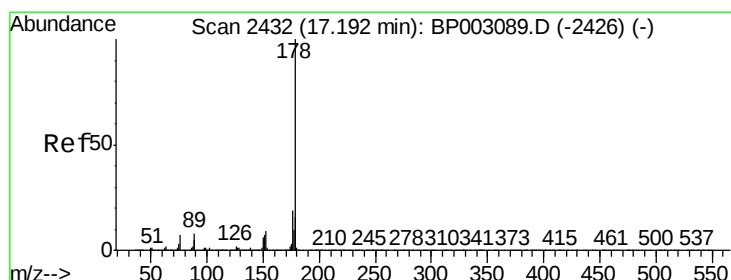
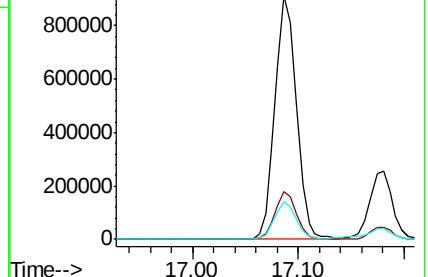
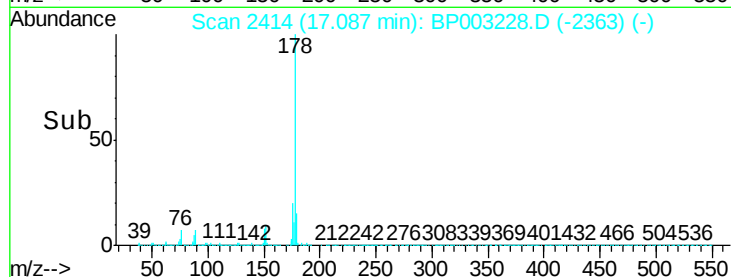
179 15.5 12.5 18.7



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



#72

Anthracene

Concen: 8.258 ng

RT: 17.18 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

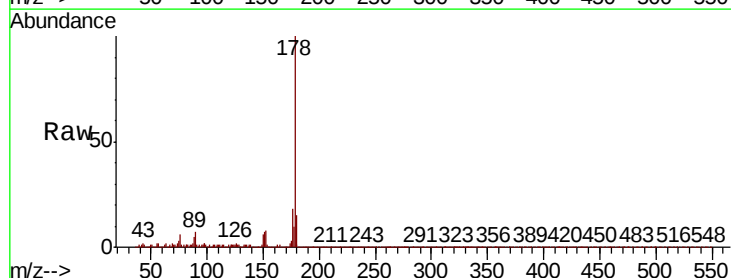
Tgt Ion:178 Resp: 365612

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

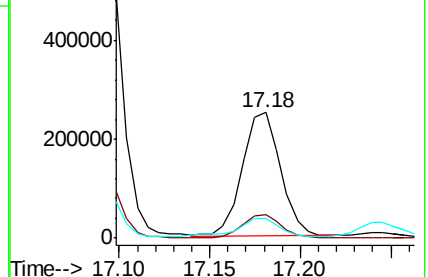
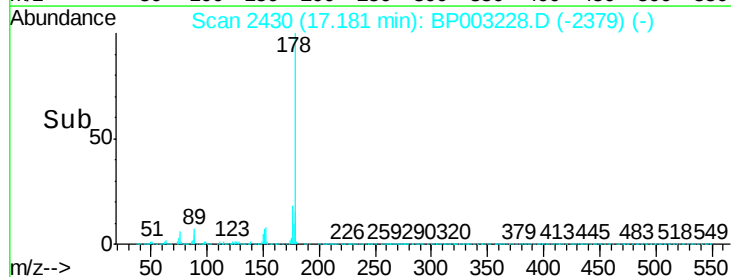
179 15.4 12.5 18.7

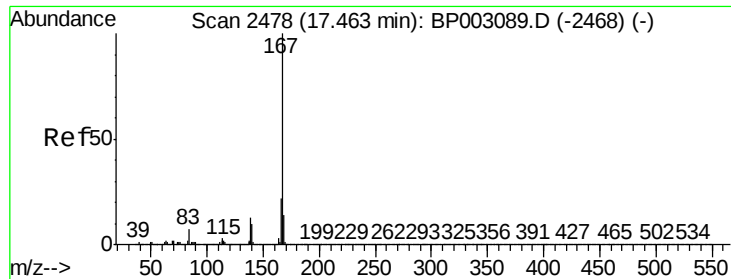


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

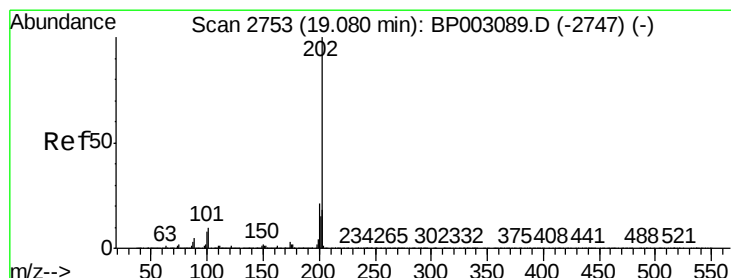
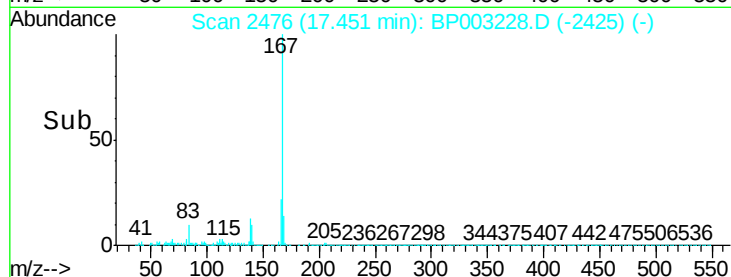
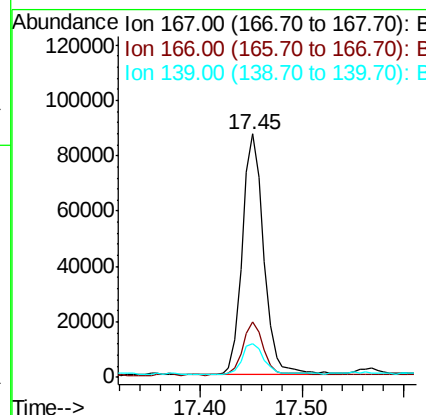
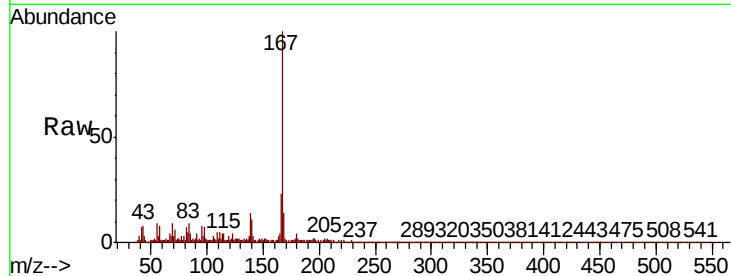




#73
 Carbazole
 Concen: 3.031 ng
 RT: 17.45 min Scan# 2476
 Delta R.T. 0.00 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

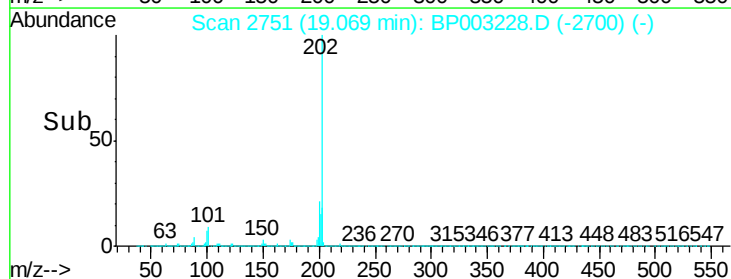
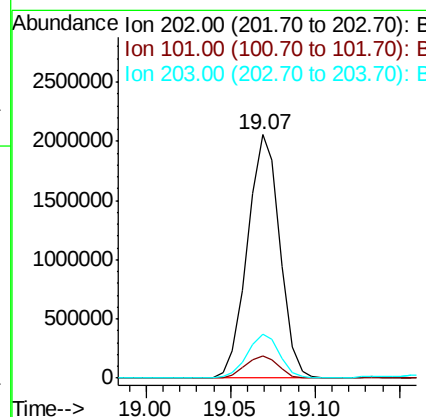
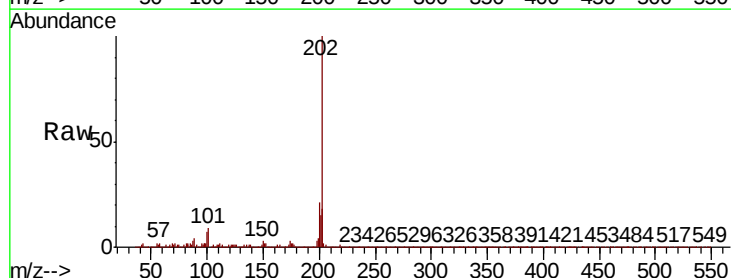
Instrument :
 BNA_P
 ClientSampleId :
 WC-1

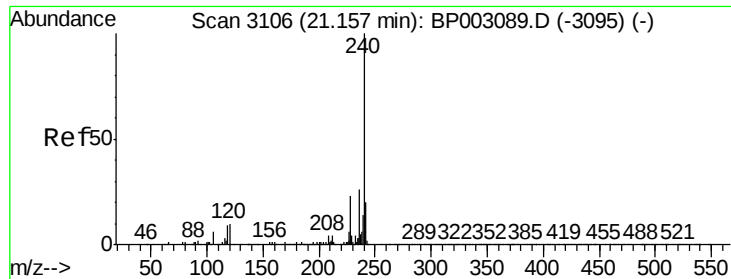
Tot Ion:167	Resp:	128775
Ion Ratio	Lower	Upper
167	100	
166	22.6	17.6 26.4
139	14.0	10.2 15.4



#75
 Fluoranthene
 Concen: 51.035 ng
 RT: 19.07 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

Tgt Ion:202	Resp:	2728740
Ion Ratio	Lower	Upper
202	100	
101	9.1	0.0 29.4
203	18.1	0.0 37.8

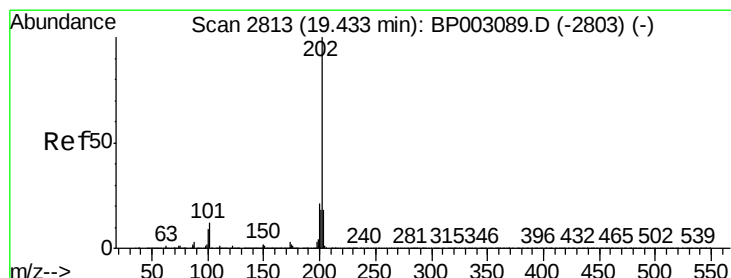
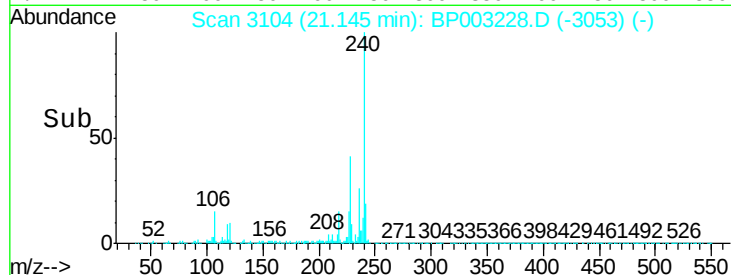
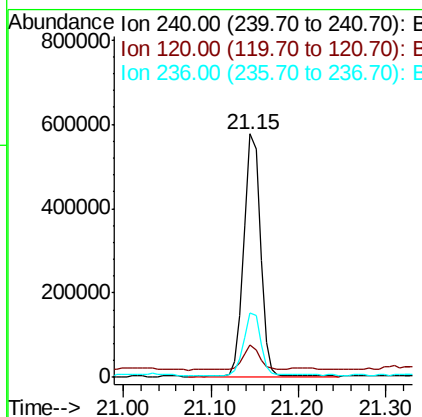
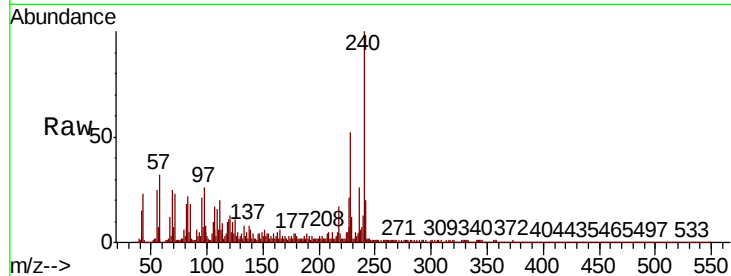




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. 0.00 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

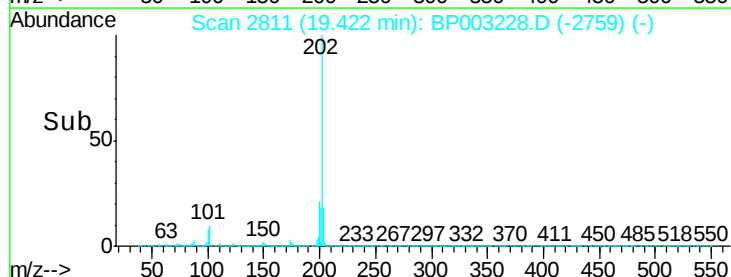
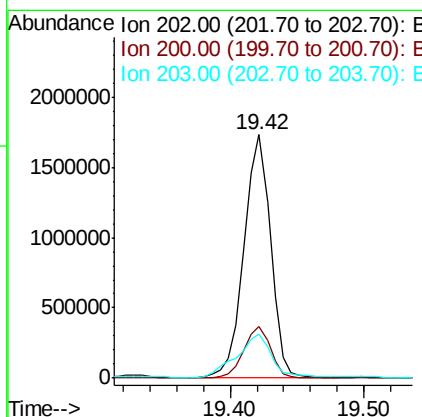
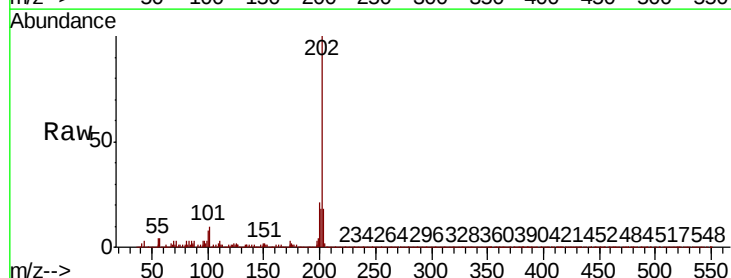
Instrument :
BNA_P
ClientSampleId :
WC-1

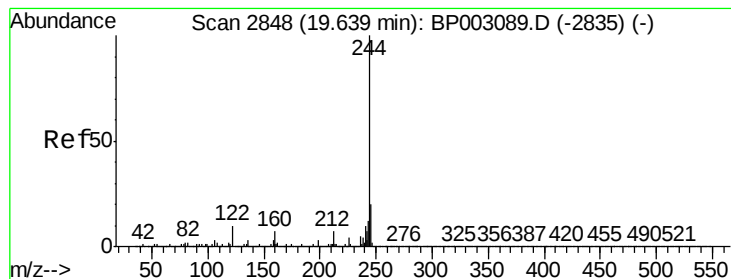
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	7.8	11.6#
236	26.4	20.8	31.2



#78
Pyrene
Concen: 50.616 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	18.0	14.2	21.2





#79

Terphenyl-d14

Concen: 57.400 ng

RT: 19.62 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

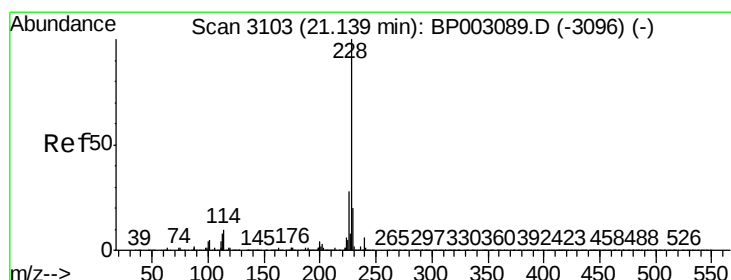
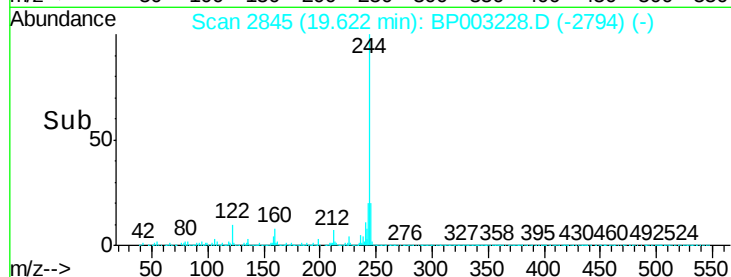
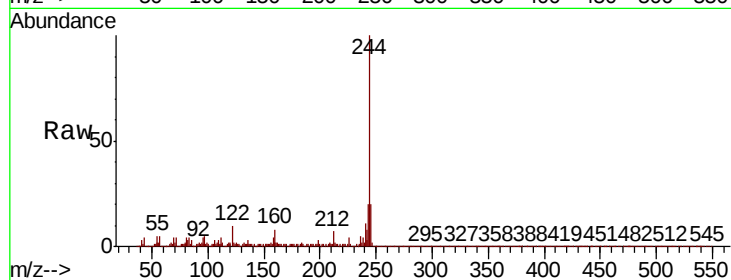
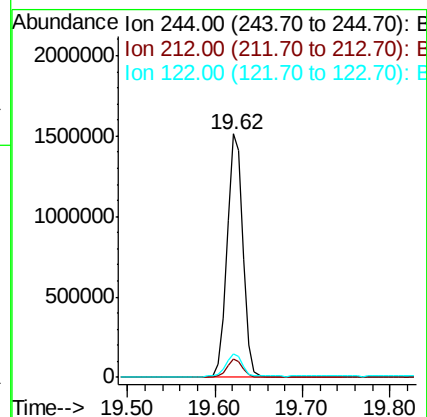
BNA_P

ClientSampleId :

WC-1

Tot Ion:244 Resp: 1891031

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.9	7.8	11.8



#81

Benzo(a)anthracene

Concen: 27.783 ng

RT: 21.13 min Scan# 3102

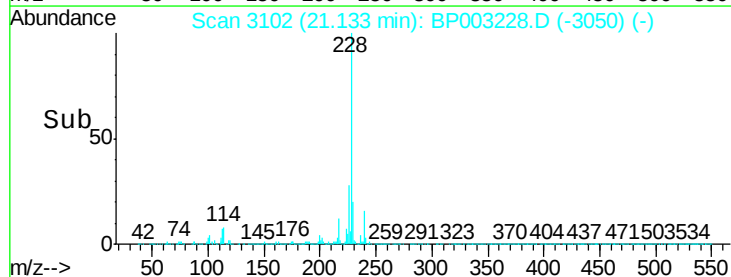
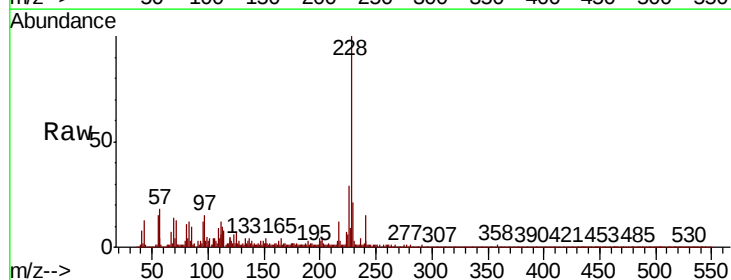
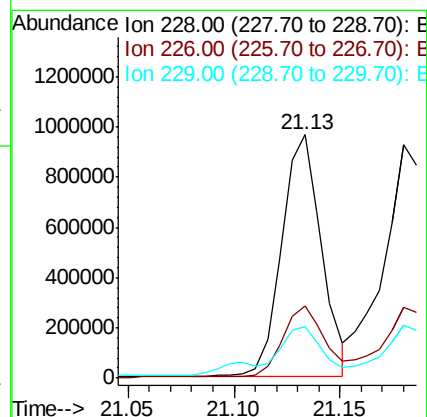
Delta R.T. 0.01 min

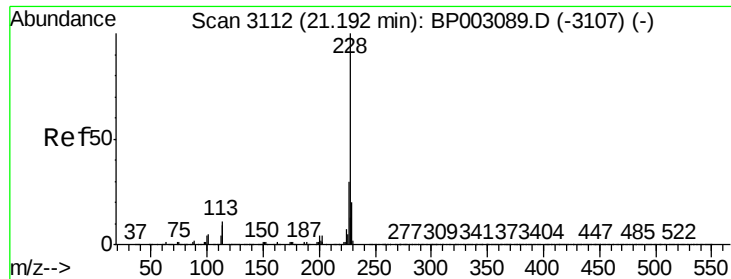
Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Tgt Ion:228 Resp: 1261597

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.1	33.1
229	21.1	15.9	23.9



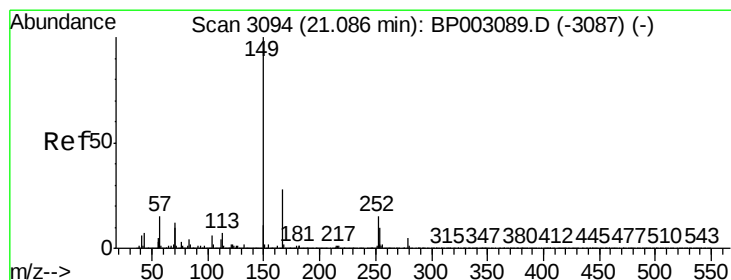
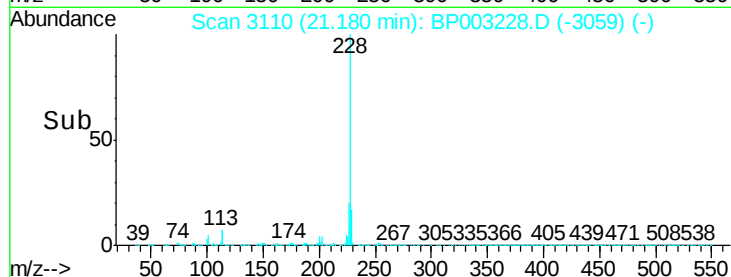
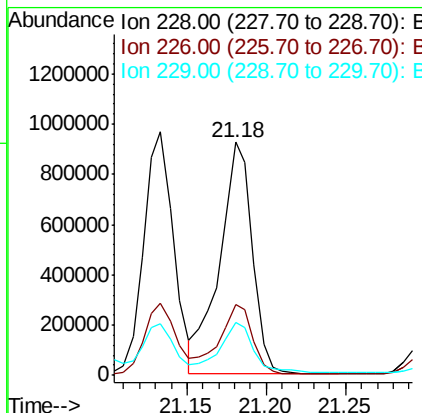
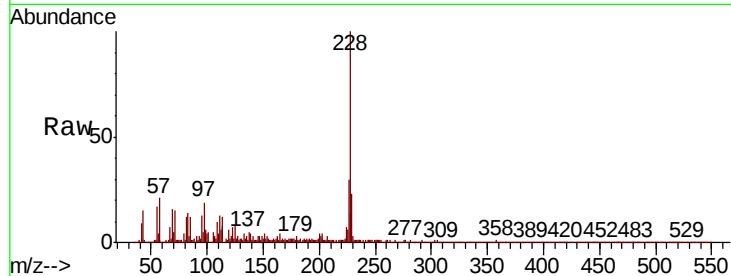


#83
 Chrysene
 Concen: 30.388 ng
 RT: 21.18 min Scan# 3110
 Delta R.T. 0.00 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

Instrument :
 BNA_P
 ClientSampleId :
 WC-1

Tot Ion:228 Resp: 1321188

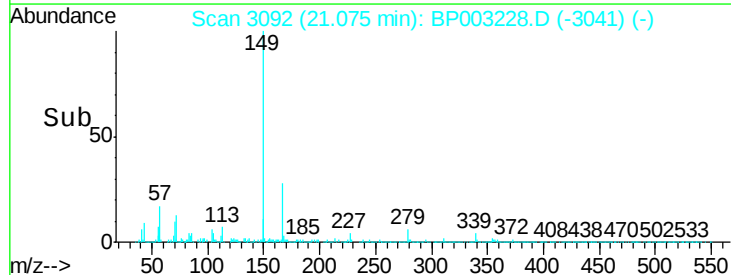
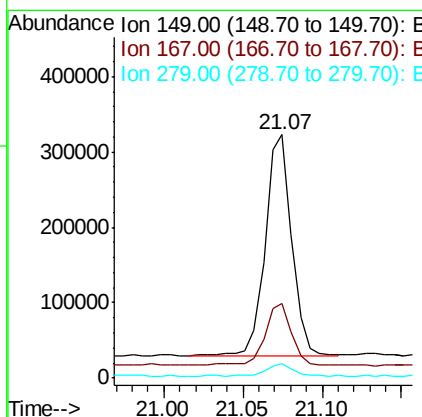
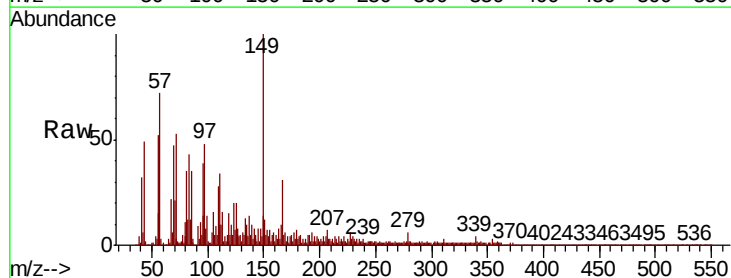
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	22.5	15.8	23.6

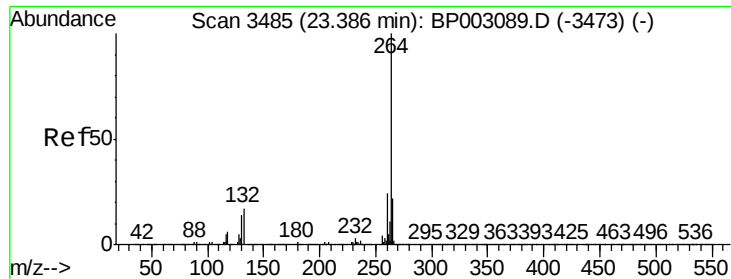


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 12.292 ng
 RT: 21.07 min Scan# 3092
 Delta R.T. 0.00 min
 Lab File: BP003228.D
 Acq: 08 Sep 2020 15:48

Tgt Ion:149 Resp: 343889

Ion	Ratio	Lower	Upper
149	100		
167	30.5	22.6	34.0
279	6.0	4.2	6.2



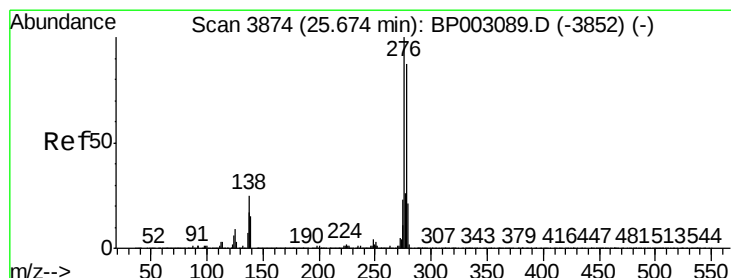
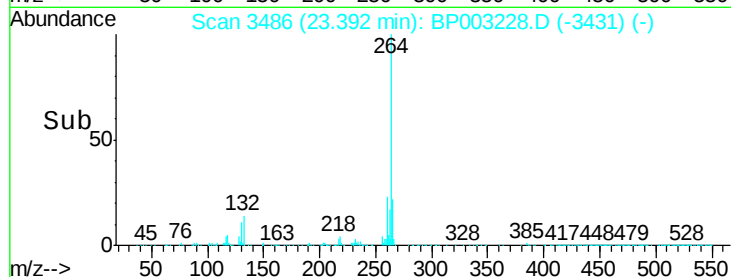
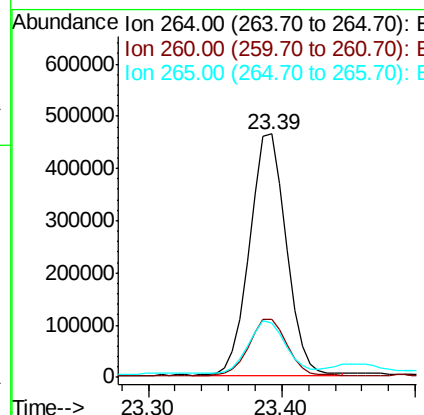
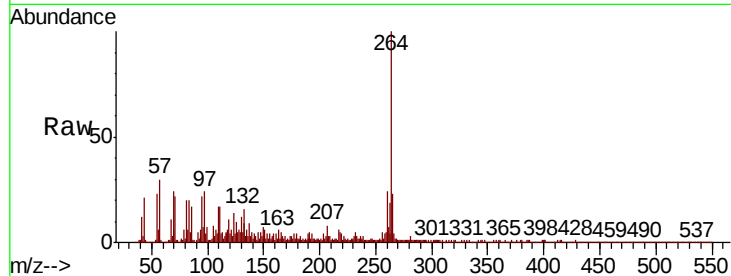


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3486
Delta R.T. 0.02 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Instrument :
BNA_P
ClientSampleId :
WC-1

Tot Ion:264 Resp: 876519

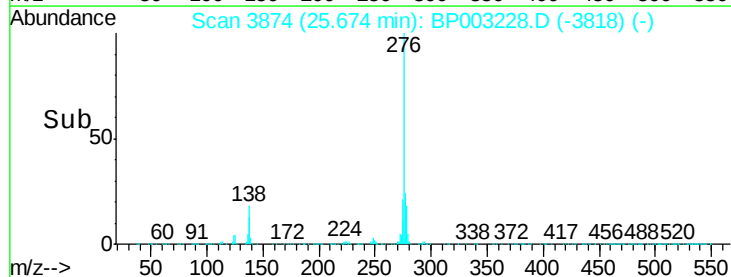
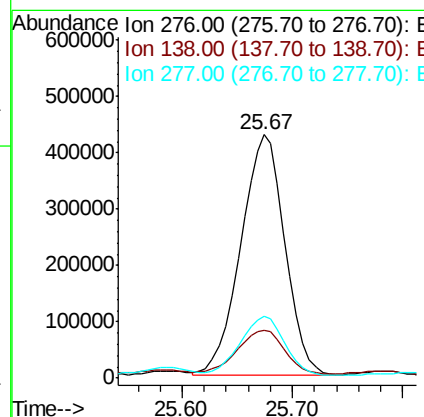
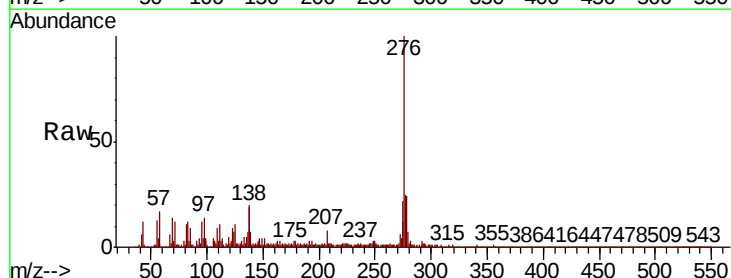
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.5	17.4	26.2

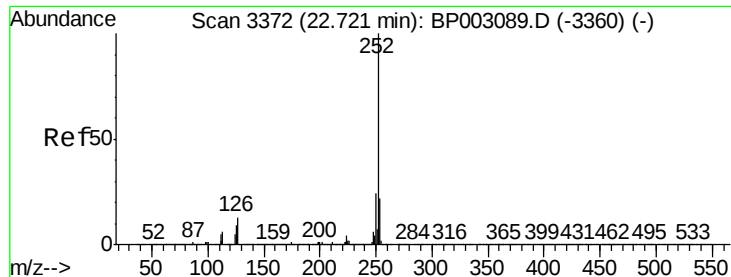


#87
Indeno(1,2,3-cd)pyrene
Concen: 18.141 ng
RT: 25.67 min Scan# 3874
Delta R.T. 0.03 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion:276 Resp: 1185827

Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.7	28.1
277	25.1	20.4	30.6

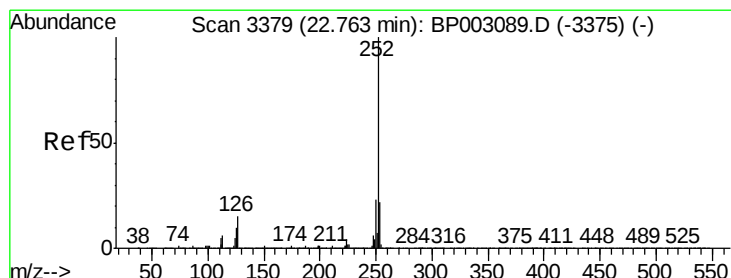
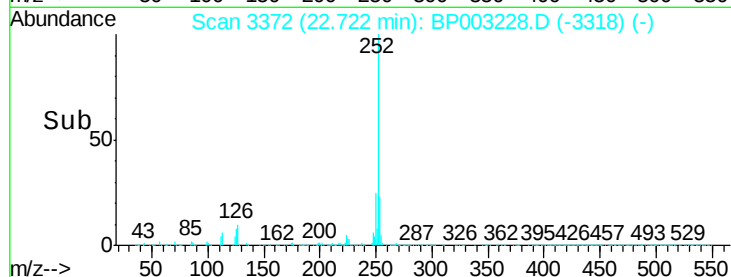
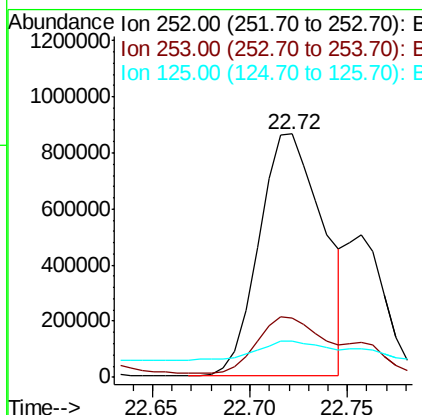
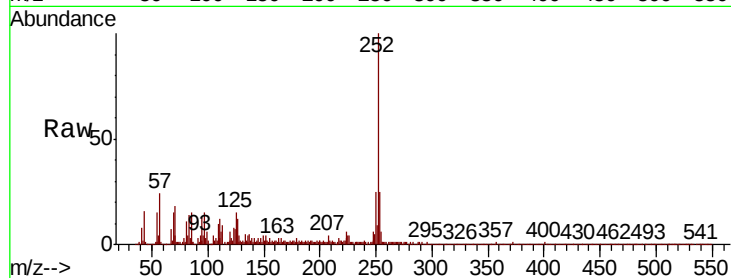




#88
Benzo(b)fluoranthene
Concen: 36.067 ng
RT: 22.72 min Scan# 3372
Delta R.T. 0.02 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

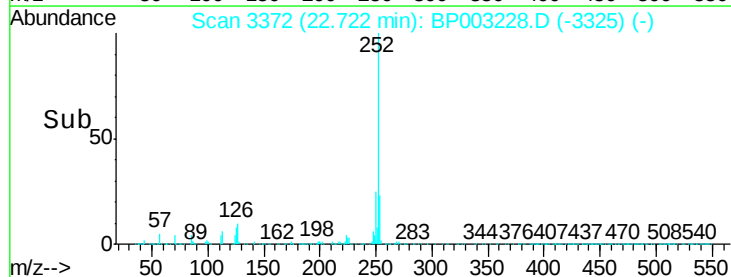
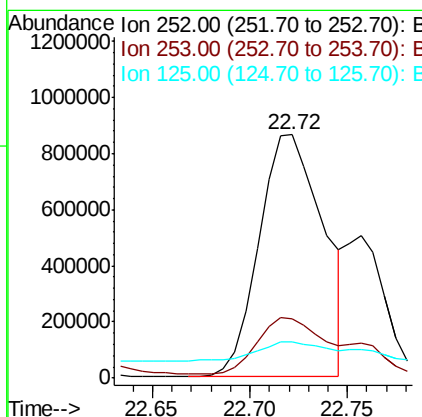
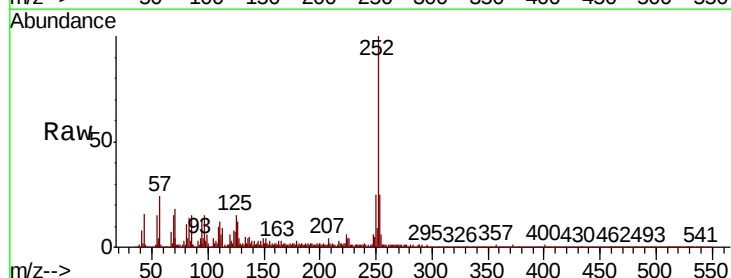
Instrument :
BNA_P
ClientSampled :
WC-1

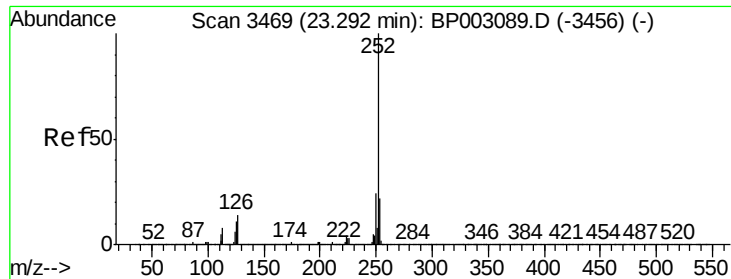
Tot Ion:252 Resp: 1964878
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 14.8 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 37.749 ng
RT: 22.72 min Scan# 3372
Delta R.T. -0.02 min
Lab File: BP003228.D
Acq: 08 Sep 2020 15:48

Tgt Ion:252 Resp: 1964878
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 14.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 28.852 ng

RT: 23.29 min Scan# 3469

Delta R.T. 0.02 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

ClientSampleId :

WC-1

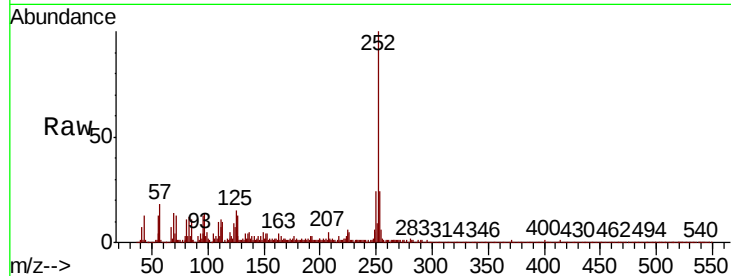
Tot Ion:252 Resp: 1458199

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

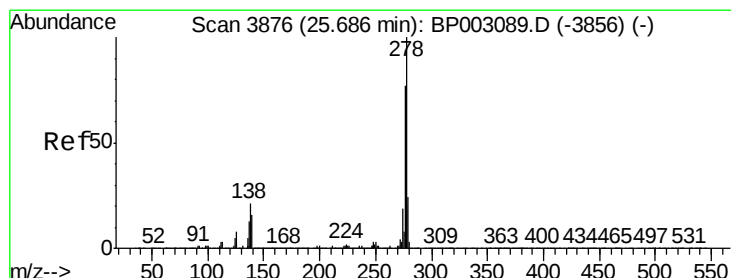
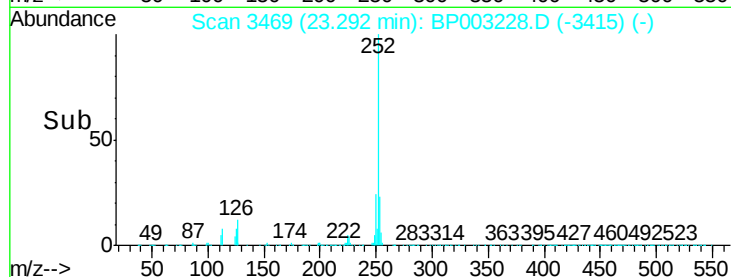
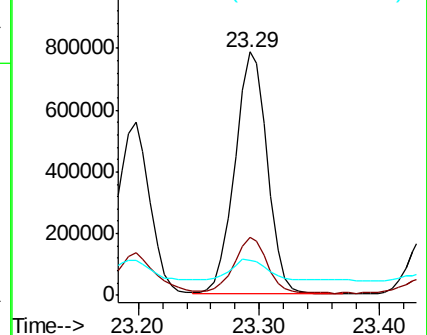
125 14.5 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 5.698 ng

RT: 25.67 min Scan# 3874

Delta R.T. 0.02 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

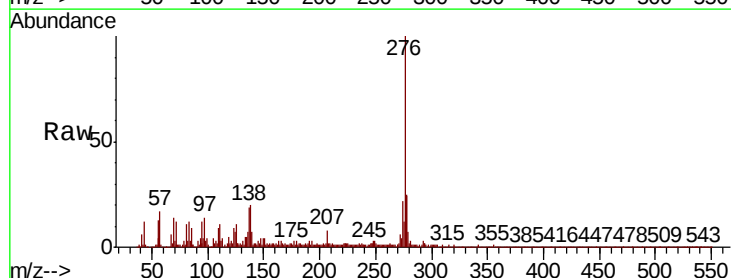
Tgt Ion:278 Resp: 305990

Ion Ratio Lower Upper

278 100

139 28.8 12.4 18.6#

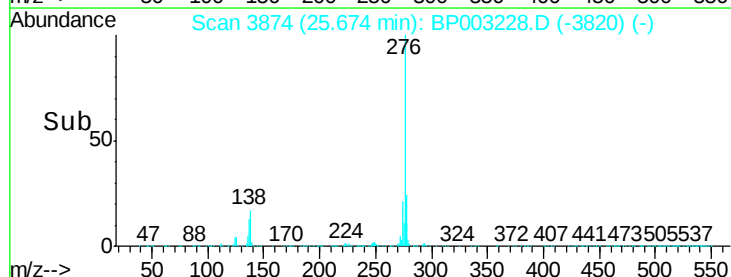
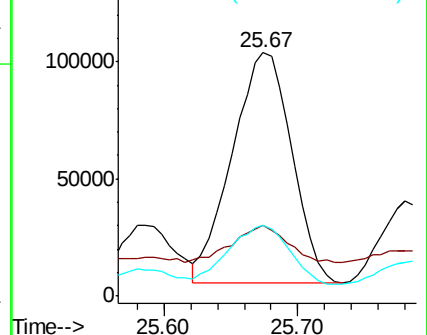
279 28.8 19.0 28.6#

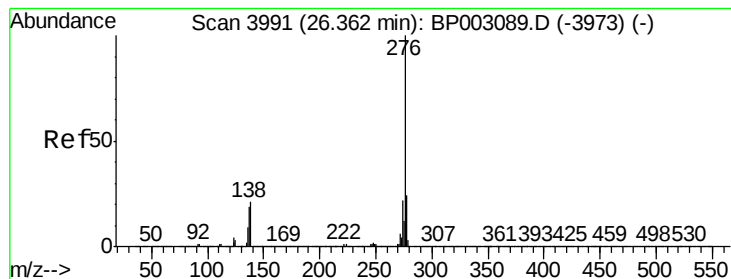


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 22.192 ng

RT: 26.37 min Scan# 3993

Delta R.T. 0.04 min

Lab File: BP003228.D

Acq: 08 Sep 2020 15:48

Instrument :

BNA_P

ClientSampleId :

WC-1

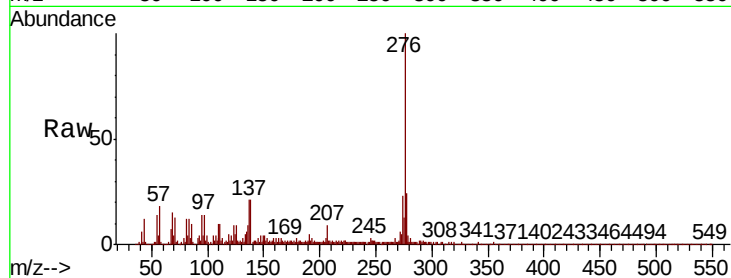
Tot Ion:276 Resp: 1195884

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 20.9 16.6 24.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

