

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082020\
 Data File : BP003062.D
 Acq On : 20 Aug 2020 13:08
 Operator : CG/JU
 Sample : L3714-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WHITEHORSE-CONCRETE

Quant Time: Aug 20 14:41:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 14:07:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	264263	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1046213	20.00	ng	-0.01
39) Acenaphthene-d10	14.32	164	585424	20.00	ng	-0.01
64) Phenanthrene-d10	17.07	188	1412017	20.00	ng	-0.01
76) Chrysene-d12	21.16	240	1606605	20.00	ng	-0.01
86) Perylene-d12	23.40	264	2029630	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	36142	2.09	ng	0.00
7) Phenol-d6	6.86	99	118067	4.93	ng	-0.01
23) Nitrobenzene-d5	8.82	82	921432	47.70	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	18385	2.53	ng	-0.01
45) 2-Fluorobiphenyl	12.94	172	2699579	63.00	ng	-0.01
79) Terphenyl-d14	19.65	244	3483874	43.41	ng	0.00

Target Compounds

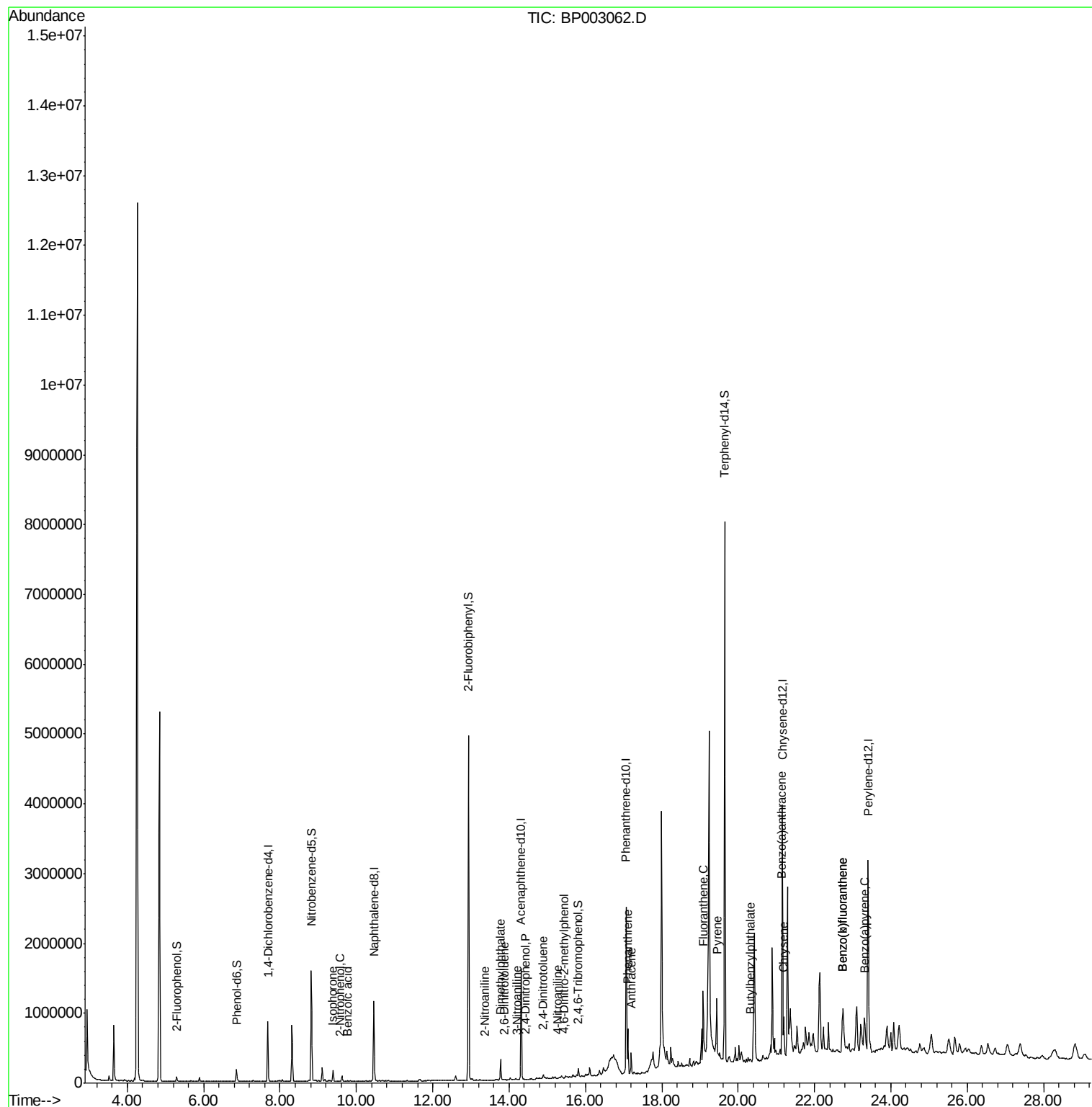
						Qvalue
25) Isophorone	9.39	82	114299	2.754	ng	99
26) 2-Nitrophenol	9.57	139	85	4.529	ng	# 1
32) Benzoic acid	9.76	122	301	7.712	ng	# 77
48) 2-Nitroaniline	13.38	65	458	4.016	ng	# 28
50) Dimethylphthalate	13.77	163	201335	4.397	ng	99
51) 2,6-Dinitrotoluene	13.87	165	471	2.942	ng	# 62
53) 3-Nitroaniline	14.22	138	735	3.337	ng	# 70
54) 2,4-Dinitrophenol	14.42	184	33	8.064	ng	# 1
57) 2,4-Dinitrotoluene	14.90	165	15869	4.880	ng	# 49
62) 4-Nitroaniline	15.27	138	70	2.422	ng	77
65) 4,6-Dinitro-2-methylphenol	15.44	198	17	6.902	ng	# 1
71) Phenanthrene	17.11	178	417658	5.044	ng	97
72) Anthracene	17.20	178	204540	2.527	ng	98
75) Fluoranthene	19.09	202	603150	6.322	ng	98
78) Pyrene	19.44	202	491869	4.379	ng	98
80) Butylbenzylphthalate	20.33	149	6096	3.183	ng	# 78
81) Benzo(a)anthracene	21.14	228	356013	3.253	ng	98
83) Chrysene	21.20	228	292114	2.830	ng	97
88) Benzo(b)fluoranthene	22.73	252	365168	2.550	ng	99
89) Benzo(k)fluoranthene	22.73	252	365168	2.697	ng	99
90) Benzo(a)pyrene	23.30	252	318103	2.458	ng	98

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

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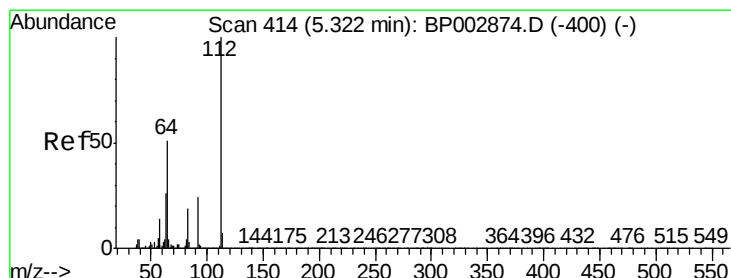
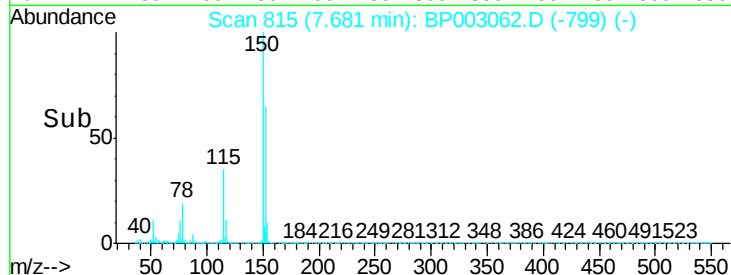
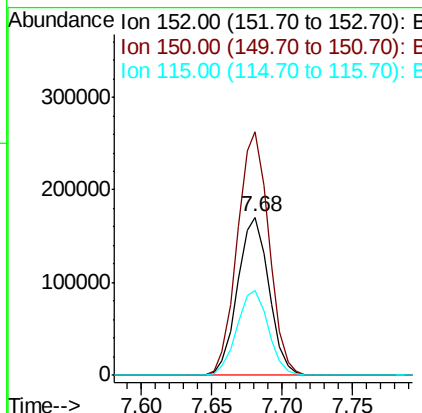
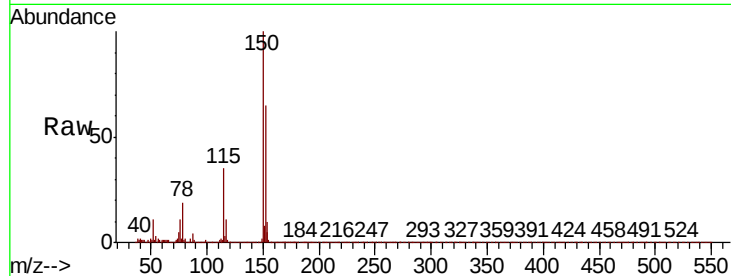


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 815
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Instrument :
BNA_P
ClientSampleId :
WHITEHORSE-CONCRETE

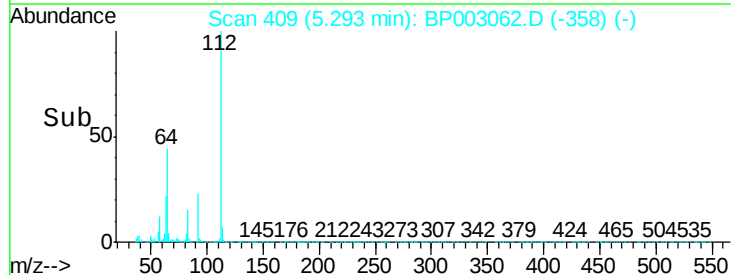
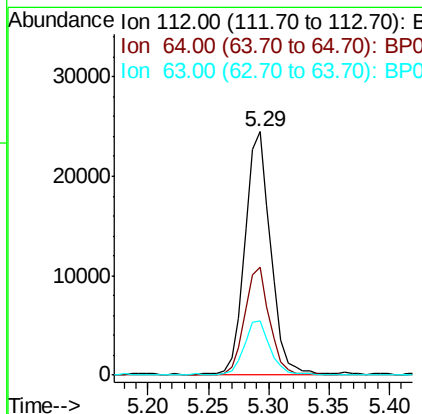
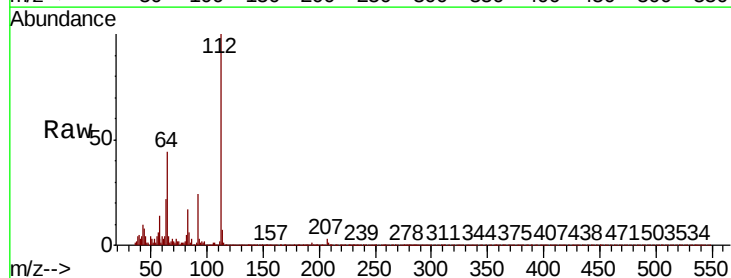
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.1	189.1
115	53.8	43.4	65.2



#5

2-Fluorophenol
Concen: 2.093 ng
RT: 5.29 min Scan# 409
Delta R.T. -0.00 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.5	33.4	50.2
63	22.1	17.4	26.0





#7

Phenol-d6

Concen: 4.925 ng

RT: 6.86 min Scan# 675

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

Instrument :

BNA_P

ClientSampleId :

WHITEHORSE-CONCRETE

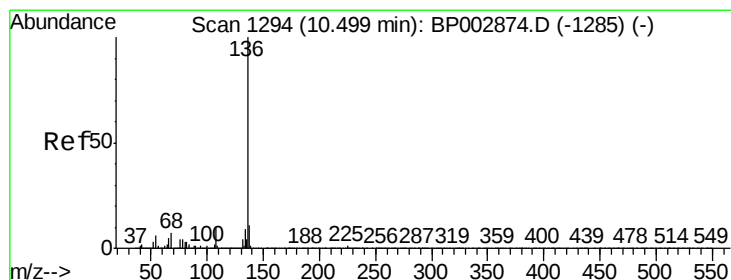
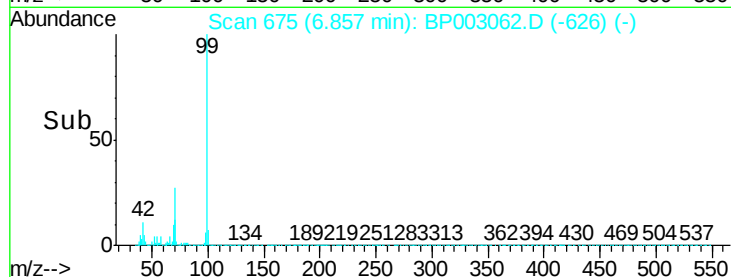
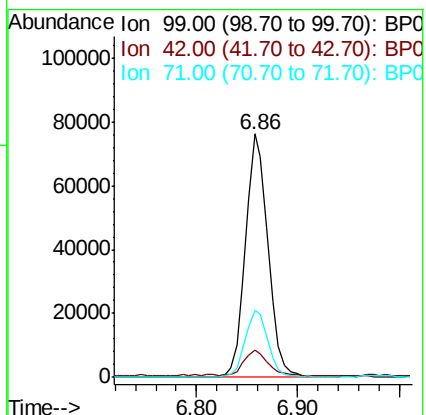
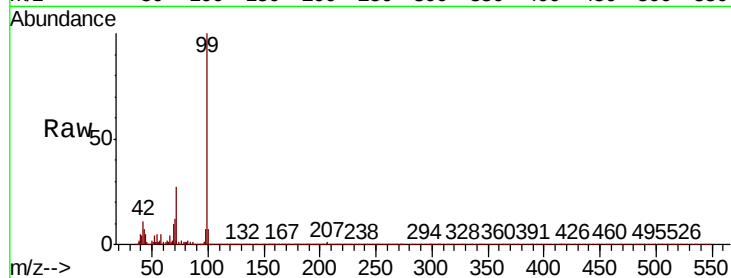
Tot Ion: 99 Resp: 118067

Ion Ratio Lower Upper

99 100

42 11.3 8.0 12.0

71 27.4 21.3 31.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

Tgt Ion: 136 Resp: 1046213

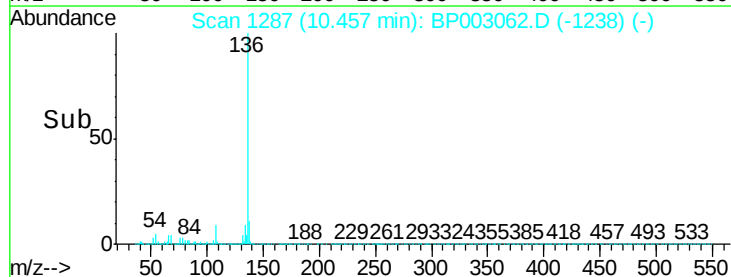
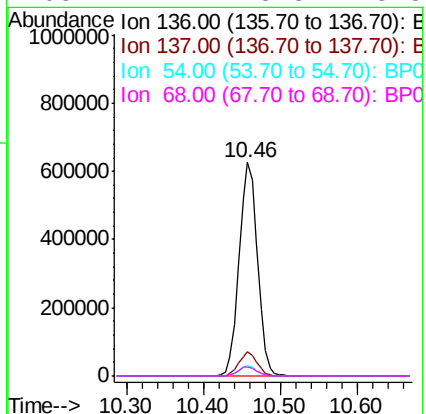
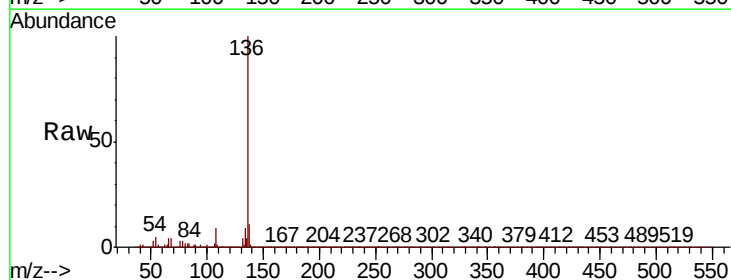
Ion Ratio Lower Upper

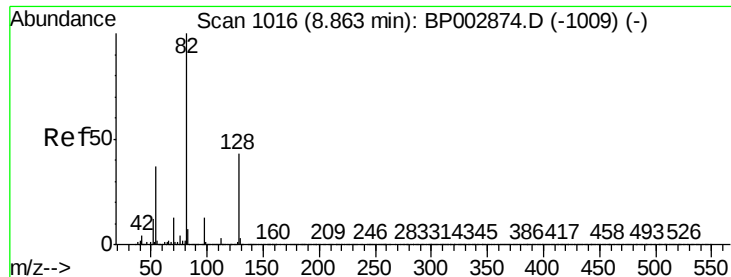
136 100

137 11.1 8.8 13.2

54 4.6 3.8 5.8

68 4.4 3.8 5.8

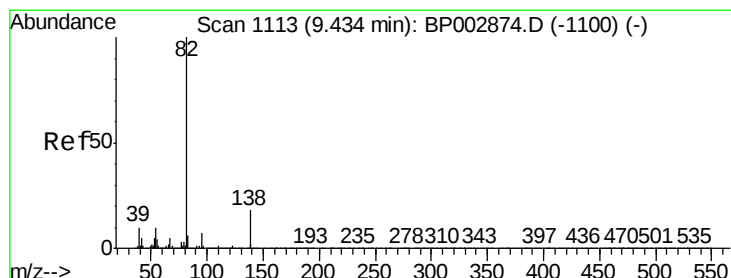
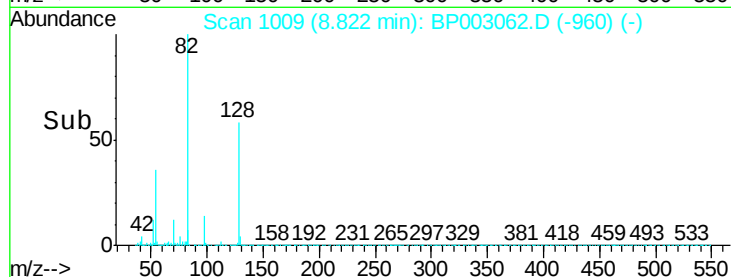
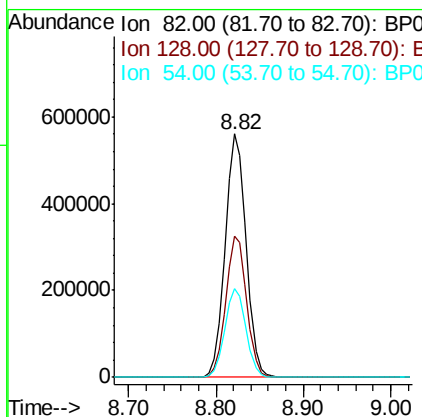
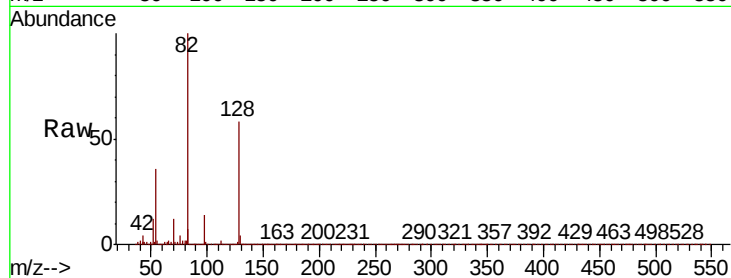




#23
Nitrobenzene-d5
Concen: 47.702 ng
RT: 8.82 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

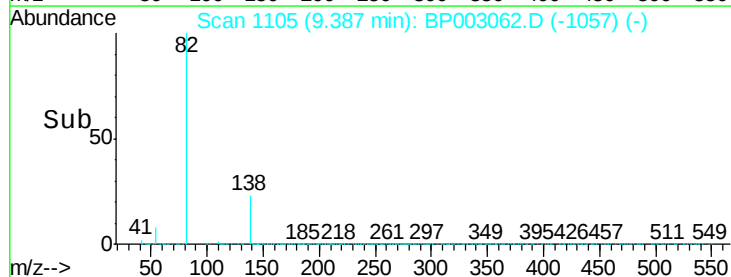
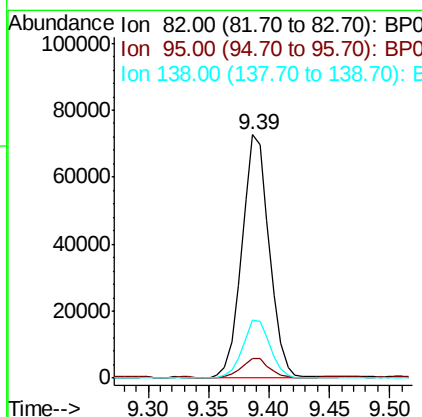
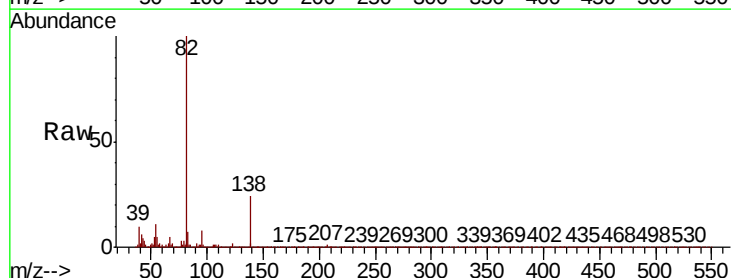
Instrument :
BNA_P
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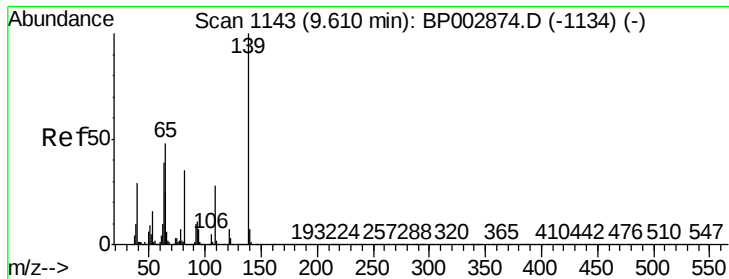
Tot Ion	Ratio	Lower	Upper
82	100		
128	58.1	45.1	67.7
54	36.4	28.8	43.2



#25
Isophorone
Concen: 2.754 ng
RT: 9.39 min Scan# 1105
Delta R.T. -0.02 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Tgt Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.1	9.1
138	23.8	18.8	28.2

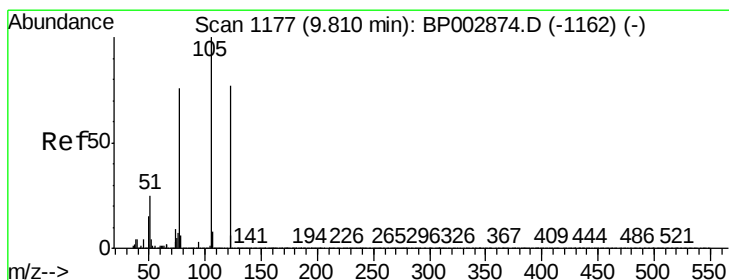
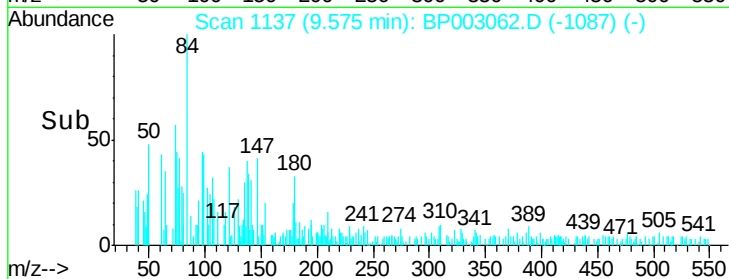
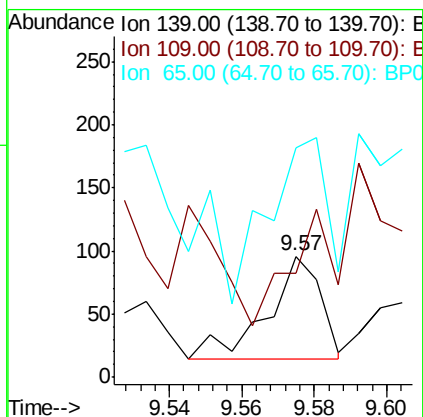
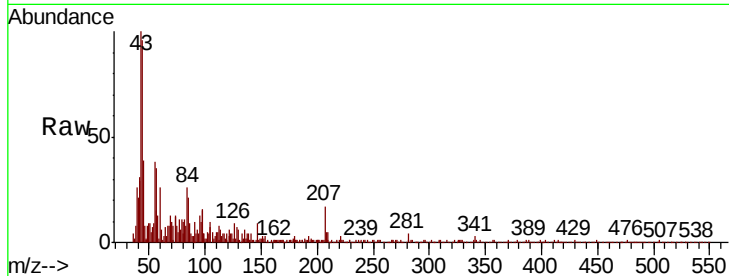




#26
2-Nitrophenol
Concen: 4.529 ng
RT: 9.57 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

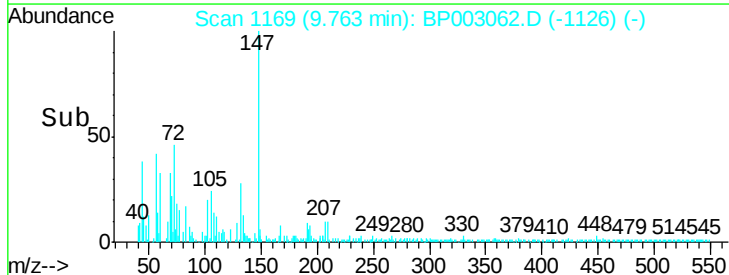
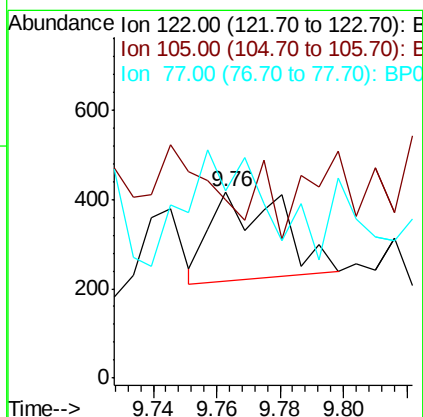
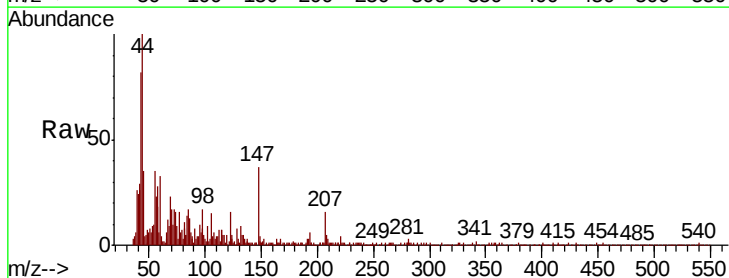
Instrument :
BNA_P
ClientSampleId :
WHITEHORSE-CONCRETE

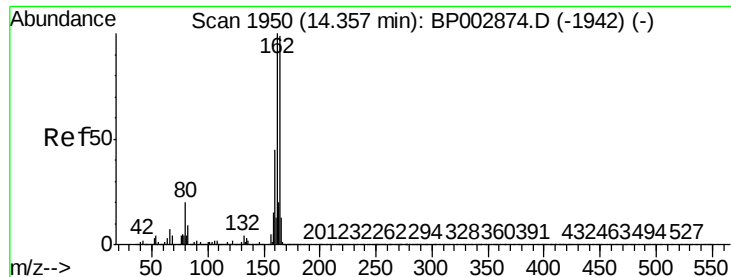
Tot Ion:139 Resp: 85
Ion Ratio Lower Upper
139 100
109 72.6 21.0 31.6#
65 161.1 27.2 40.8#



#32
Benzoic acid
Concen: 7.712 ng
RT: 9.76 min Scan# 1169
Delta R.T. -0.05 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Tgt Ion:122 Resp: 301
Ion Ratio Lower Upper
122 100
105 95.9 96.2 136.2#
77 100.7 55.6 95.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

Instrument :

BNA_P

ClientSampleId :

WHITEHORSE-CONCRETE

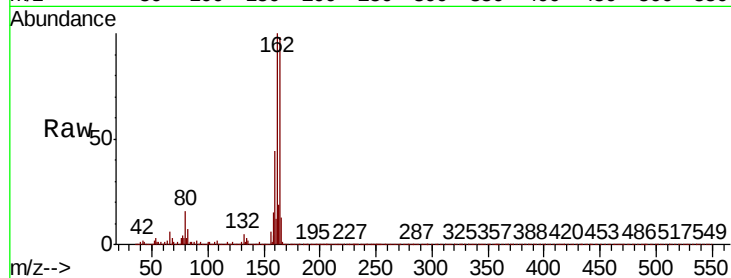
Tot Ion:164 Resp: 585424

Ion Ratio Lower Upper

164 100

162 102.2 81.4 122.0

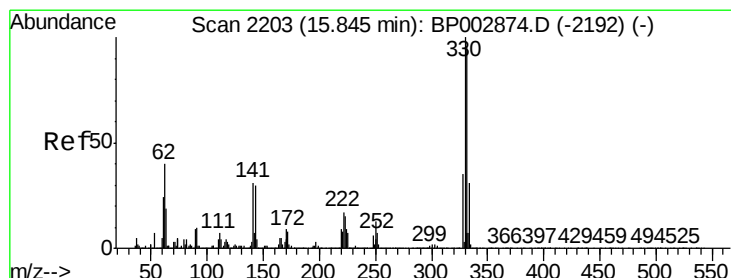
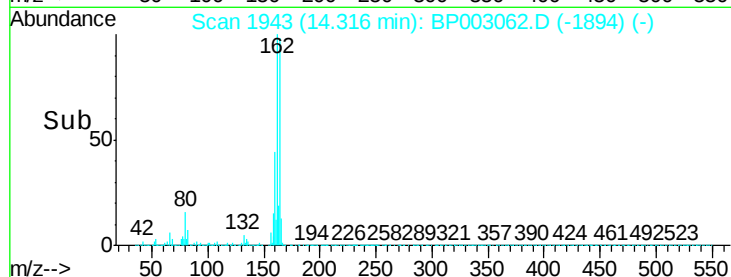
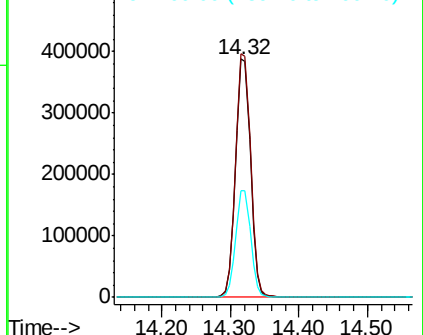
160 44.9 35.5 53.3



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: 2.527 ng

RT: 15.81 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

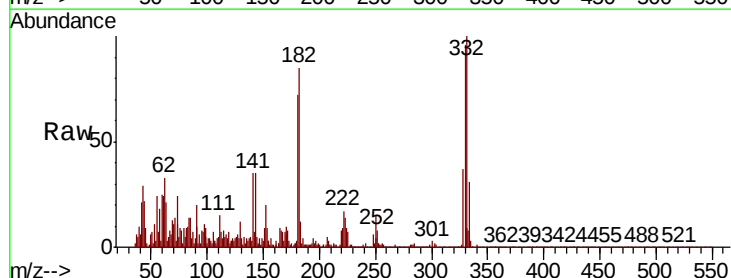
Tgt Ion:330 Resp: 18385

Ion Ratio Lower Upper

330 100

332 98.7 77.0 115.6

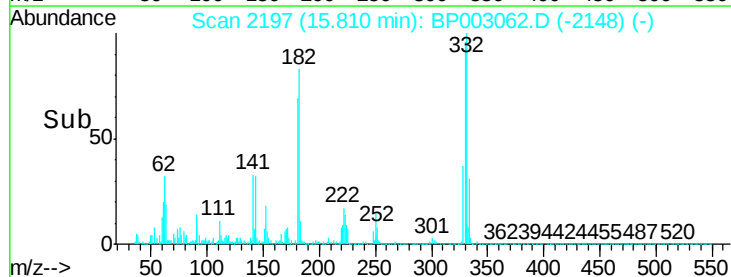
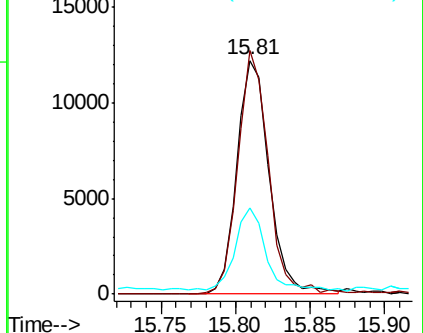
141 33.9 26.7 40.1

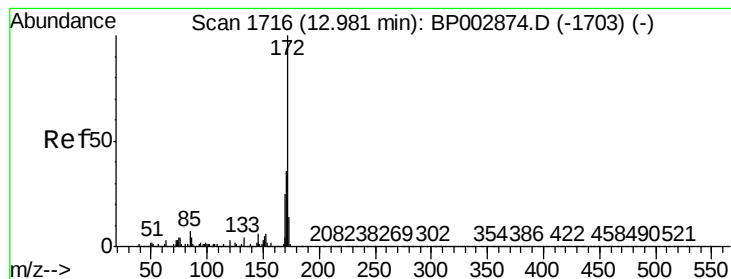


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 63.004 ng

RT: 12.94 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

Instrument :

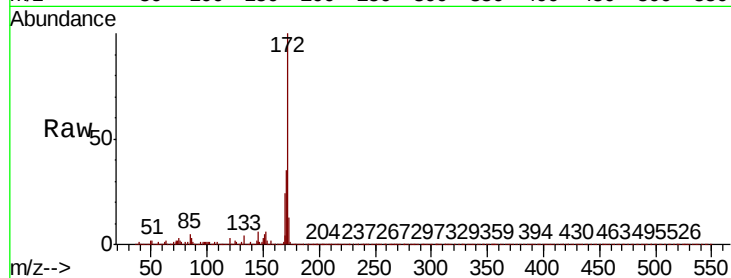
BNA_P

ClientSampleId :

WHITEHORSE-CONCRETE

Tot Ion:172 Resp: 2699579

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	23.7	19.1	28.7

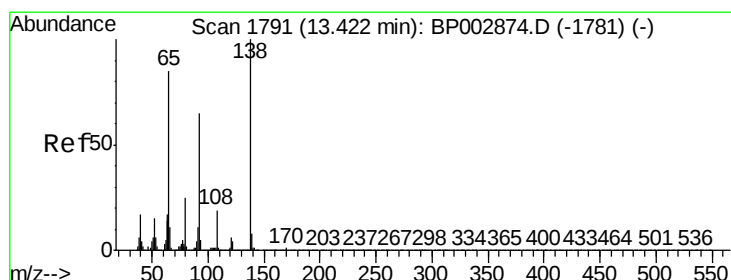
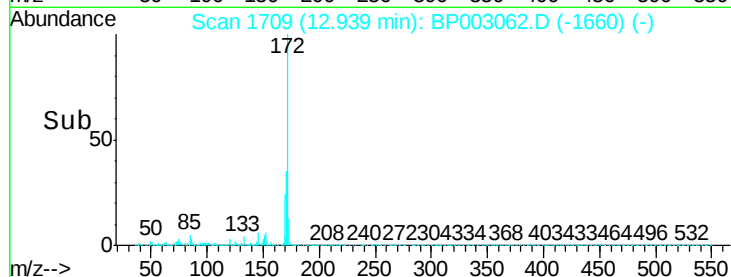
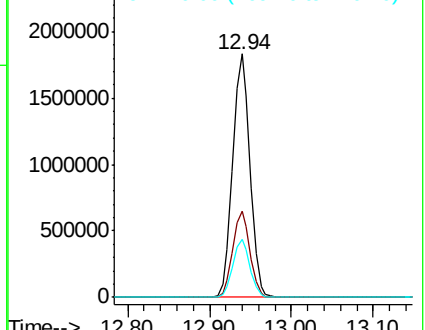


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48

2-Nitroaniline

Concen: 4.016 ng

RT: 13.38 min Scan# 1784

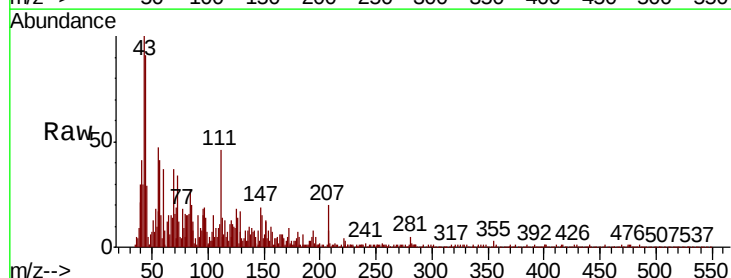
Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

Tgt Ion: 65 Resp: 458

Ion	Ratio	Lower	Upper
65	100		
92	56.3	70.1	105.1#
138	37.8	129.7	194.5#

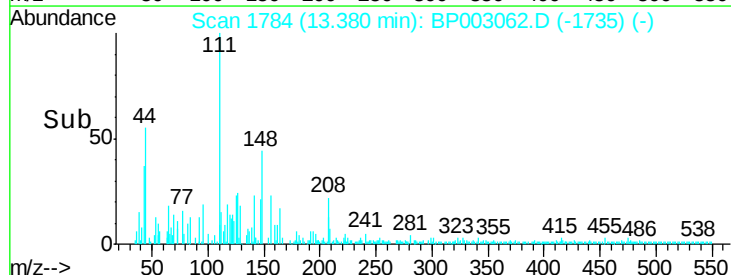
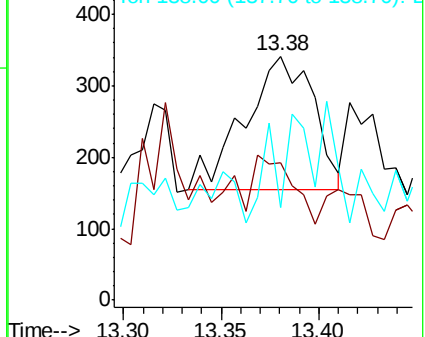


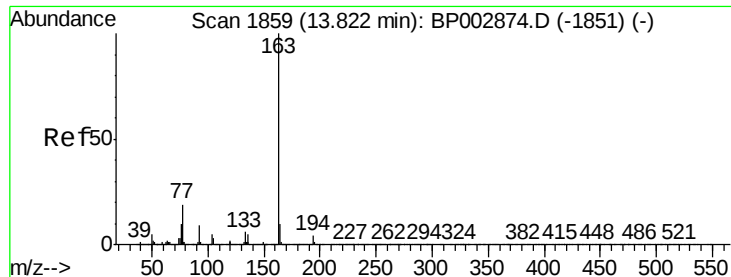
Abundance

Ion 65.00 (64.70 to 65.70): BP0

Ion 92.00 (91.70 to 92.70): BP0

Ion 138.00 (137.70 to 138.70): E

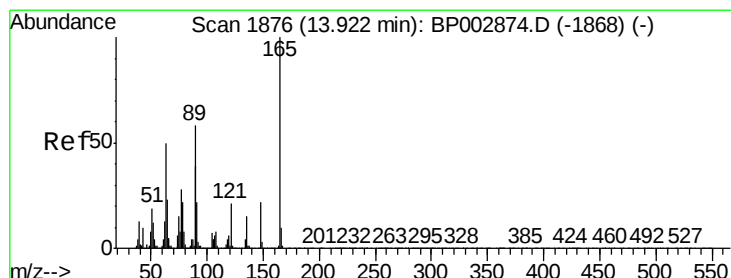
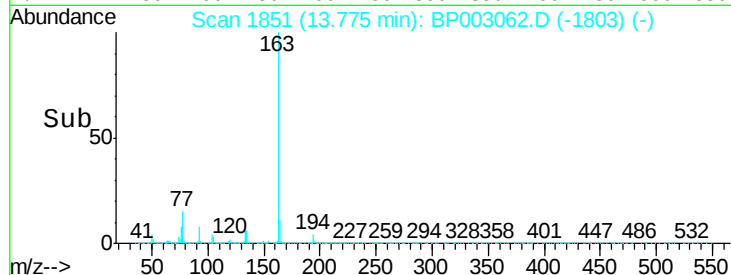
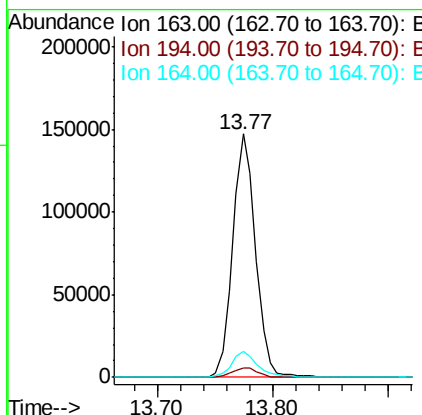
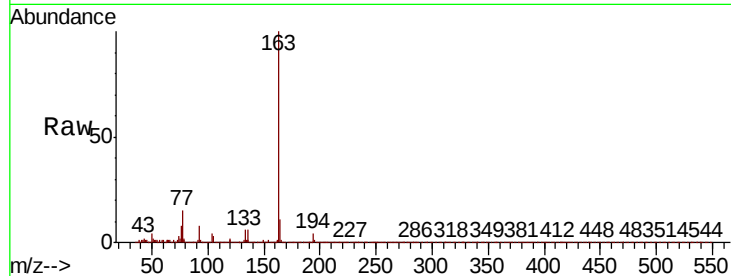




#50
Dimethylphthalate
Concen: 4.397 ng
RT: 13.77 min Scan# 1851
Delta R.T. -0.02 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

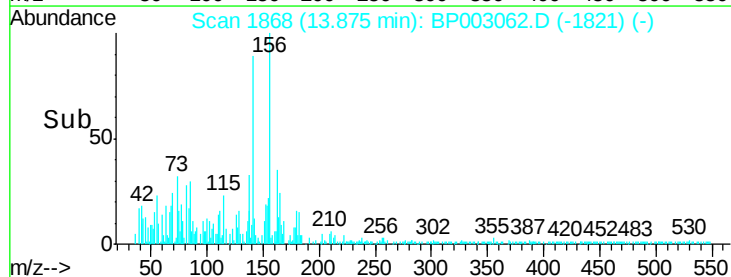
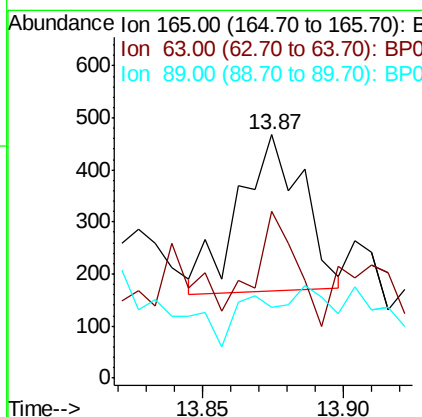
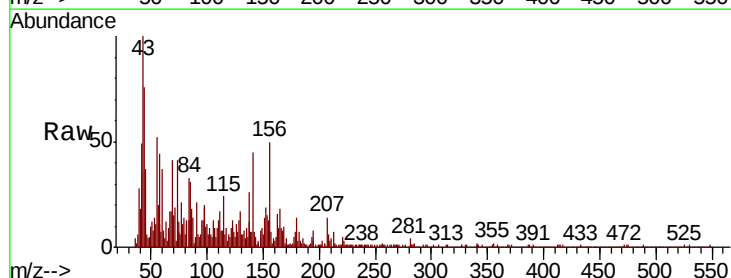
Instrument :
BNA_P
ClientSampleId :
WHITEHORSE-CONCRETE

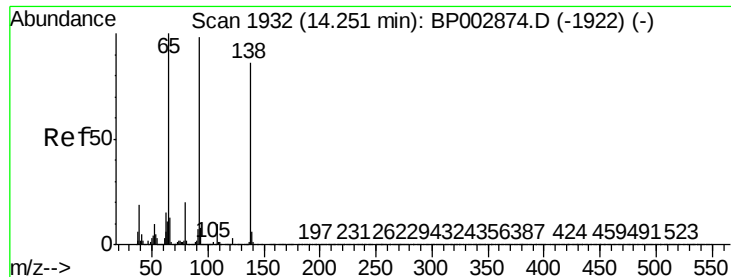
Tot Ion:163	Resp:	201335
Ion Ratio	Lower	Upper
163	100	
194	4.0	3.3 4.9
164	10.7	8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 2.942 ng
RT: 13.87 min Scan# 1868
Delta R.T. -0.02 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Tgt Ion:165	Resp:	471
Ion Ratio	Lower	Upper
165	100	
63	68.6	28.1 42.1#
89	29.1	34.5 51.7#

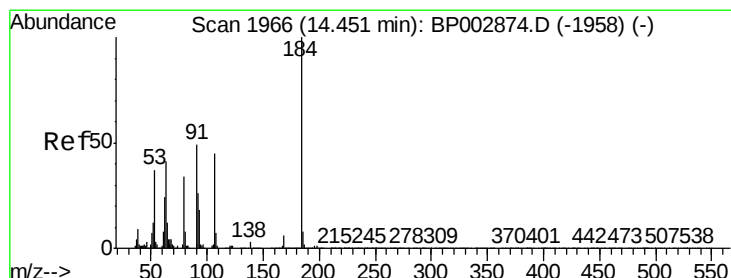
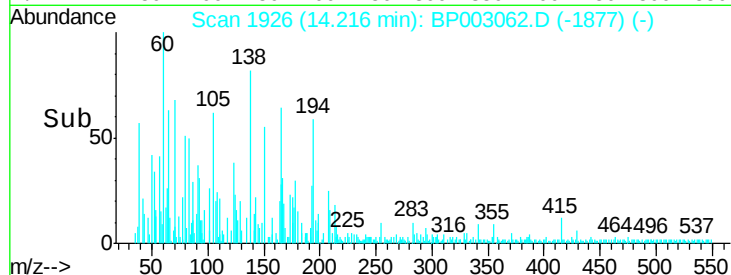
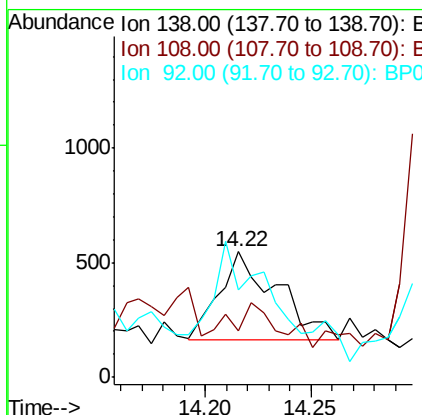
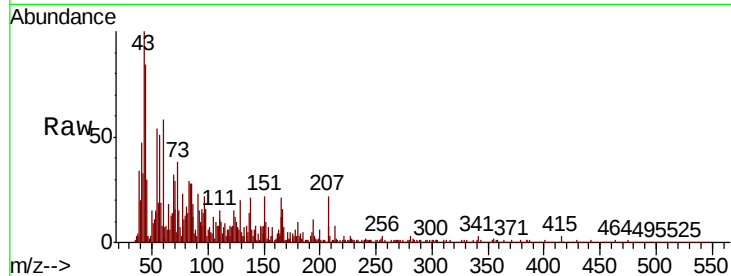




#53
3-Nitroaniline
Concen: 3.337 ng
RT: 14.22 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

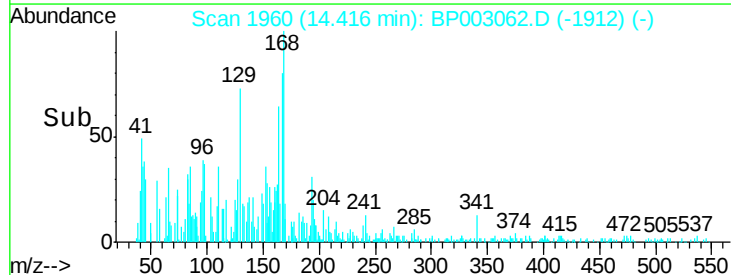
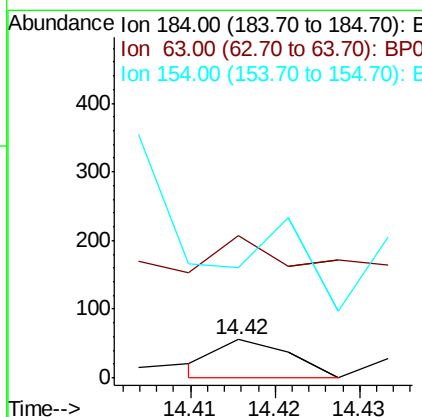
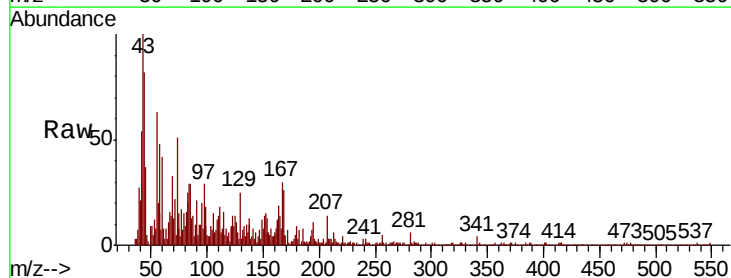
Instrument :
BNA_P
ClientSampleId :
WHITEHORSE-CONCRETE

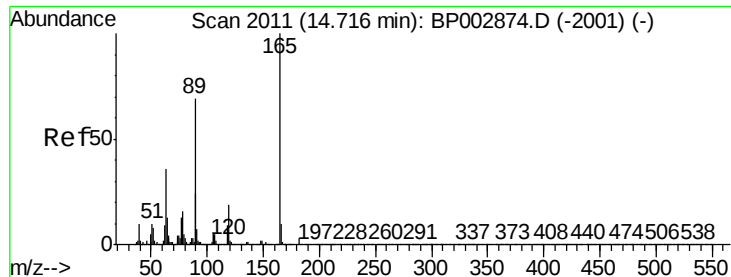
Tot Ion:138 Resp: 735
Ion Ratio Lower Upper
138 100
108 36.7 7.7 11.5#
92 69.7 75.6 113.4#



#54
2,4-Dinitrophenol
Concen: 8.064 ng
RT: 14.42 min Scan# 1960
Delta R.T. -0.02 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Tgt Ion:184 Resp: 33
Ion Ratio Lower Upper
184 100
63 371.4 33.0 49.6#
154 287.5 46.8 70.2#





#57

2,4-Dinitrotoluene

Concen: 4.880 ng

RT: 14.90 min Scan# 2042

Delta R.T. 0.21 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

Instrument :

BNA_P

ClientSampleId :

WHITEHORSE-CONCRETE

Tot Ion:165 Resp: 15869

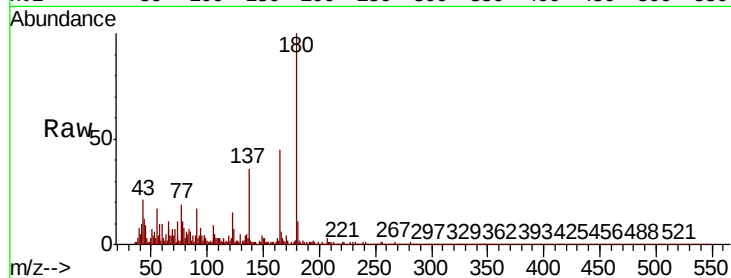
Ion Ratio Lower Upper

165 100

63 10.8 20.6 31.0#

89 8.2 43.4 65.0#

182 4.1 2.3 3.5#

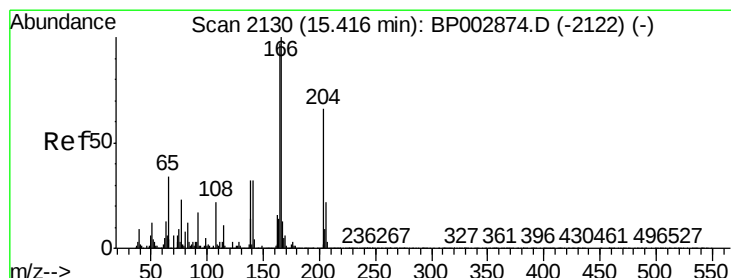
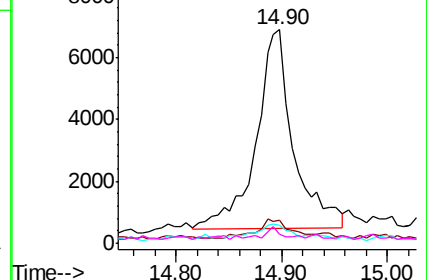
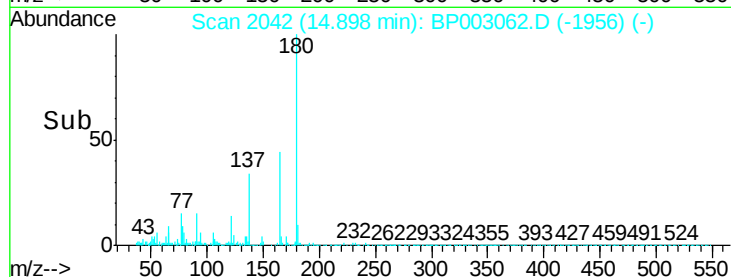


Abundance Ion 165.00 (164.70 to 165.70): E

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: 2.422 ng

RT: 15.27 min Scan# 2106

Delta R.T. -0.12 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

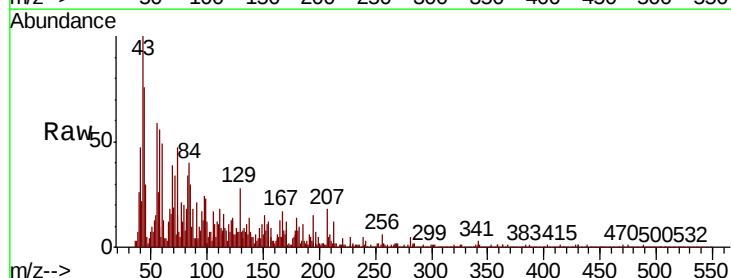
Tgt Ion:138 Resp: 70

Ion Ratio Lower Upper

138 100

92 57.5 21.4 61.4

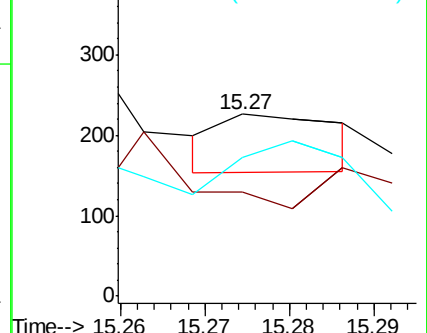
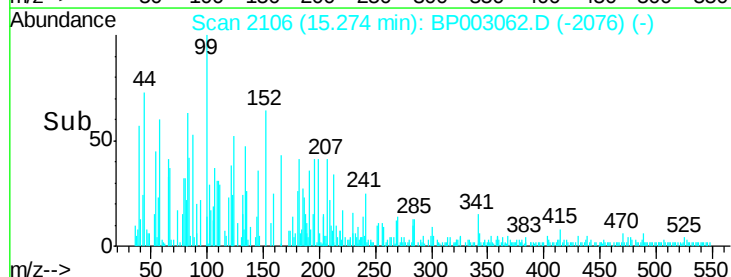
108 76.5 40.8 80.8

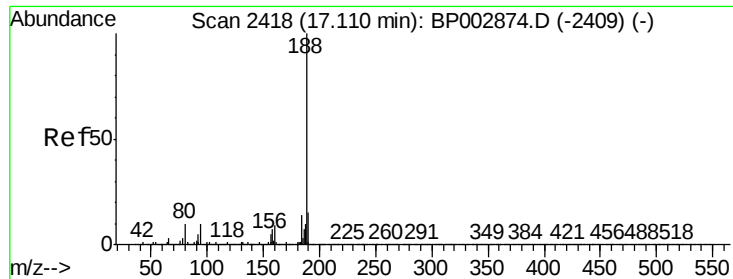


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BP0

Ion 108.00 (107.70 to 108.70): E

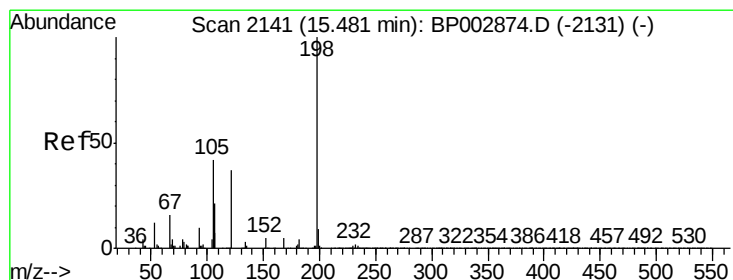
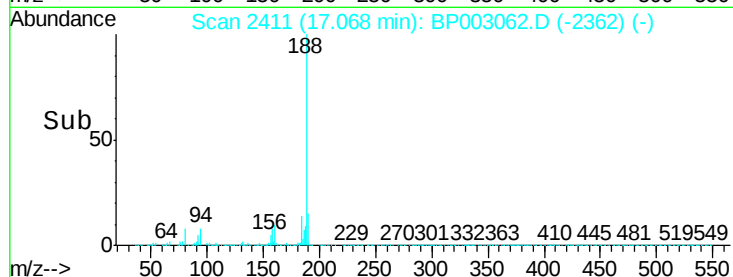
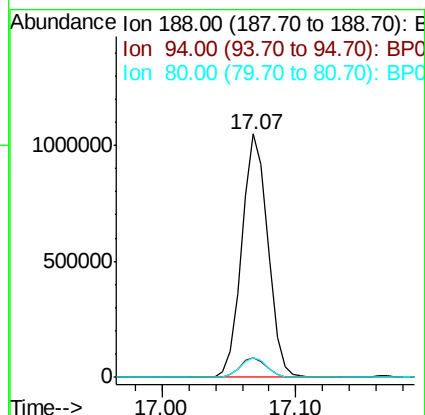
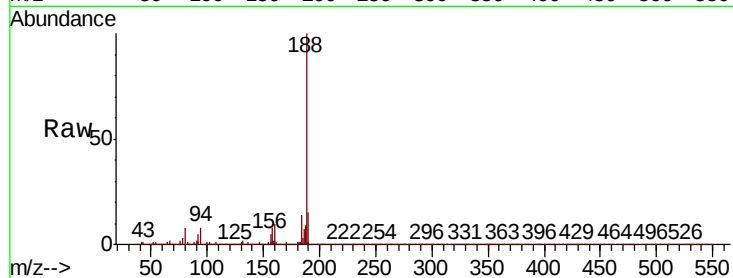




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

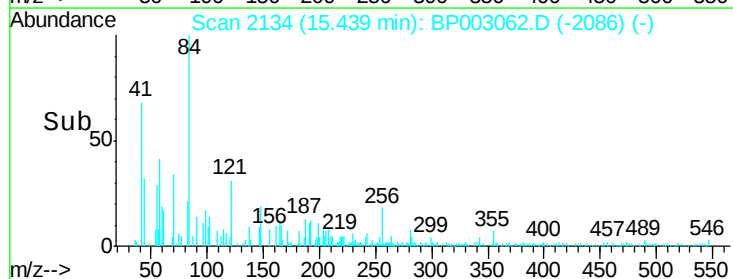
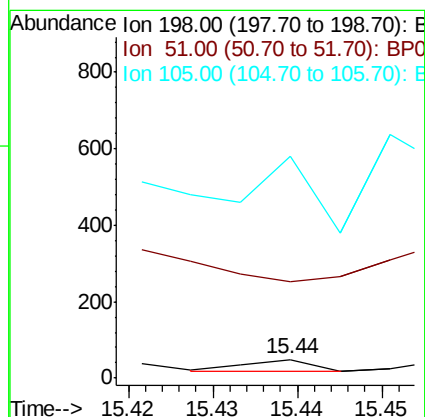
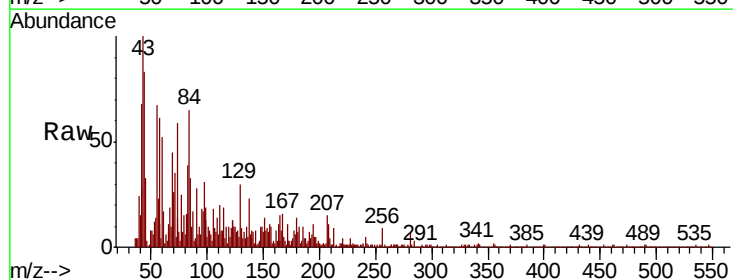
Instrument :
BNA_P
ClientSampled :
WHITEHORSE-CONCRETE

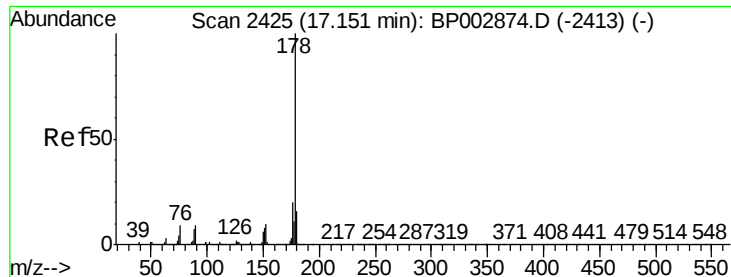
Tot Ion:188 Resp: 1412017
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 8.2 6.7 10.1



#65
4,6-Dinitro-2-methylphenol
Concen: 6.902 ng
RT: 15.44 min Scan# 2134
Delta R.T. -0.02 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Tgt Ion:198 Resp: 17
Ion Ratio Lower Upper
198 100
51 514.3 6.2 46.2#
105 1181.6 19.9 59.9#





#71

Phenanthrene

Concen: 5.044 ng

RT: 17.11 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

Instrument :

BNA_P

ClientSampleId :

WHITEHORSE-CONCRETE

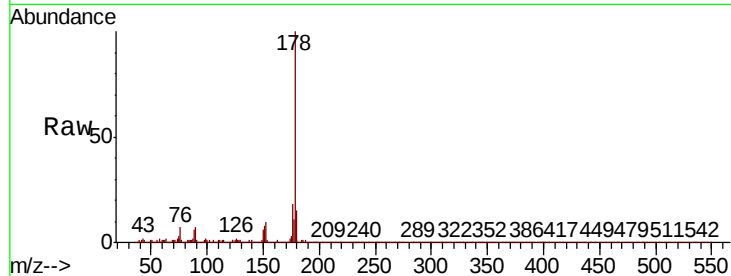
Tot Ion:178 Resp: 417658

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

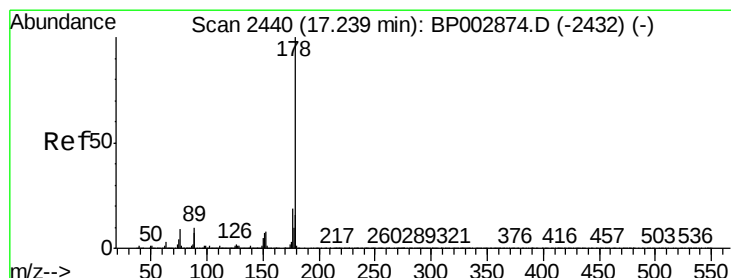
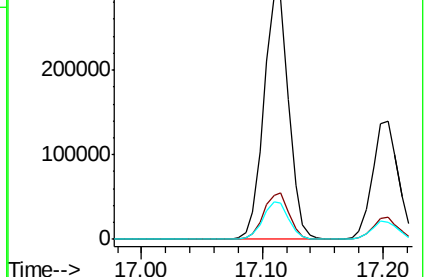
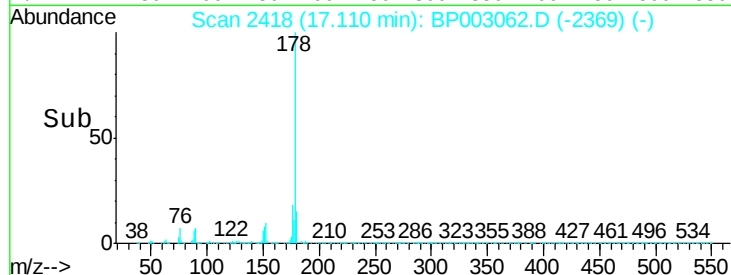
179 15.4 12.9 19.3



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: 2.527 ng

RT: 17.20 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

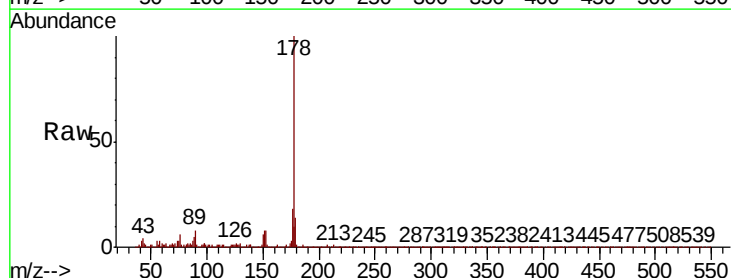
Tgt Ion:178 Resp: 204540

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

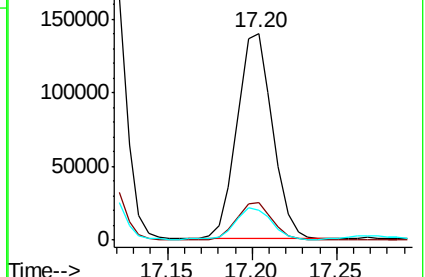
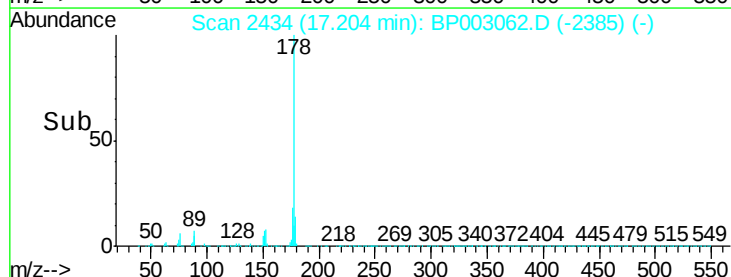
179 14.4 12.7 19.1

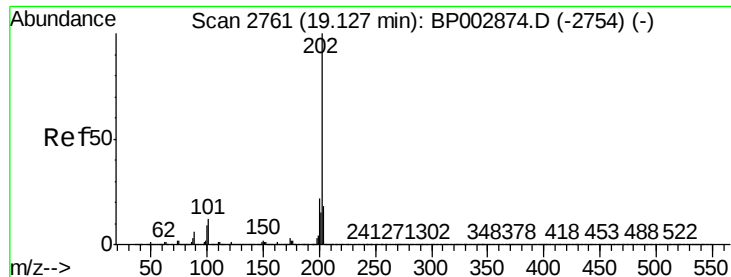


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.322 ng

RT: 19.09 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

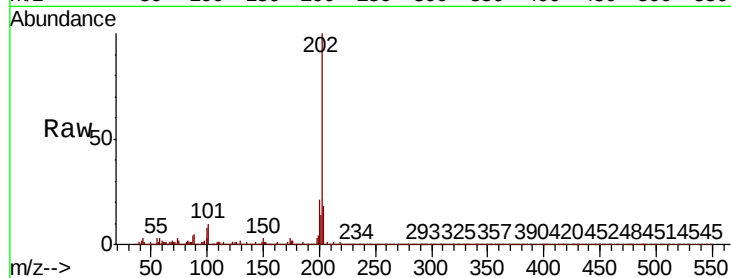
Instrument :

BNA_P

ClientSampleId :

WHITEHORSE-CONCRETE

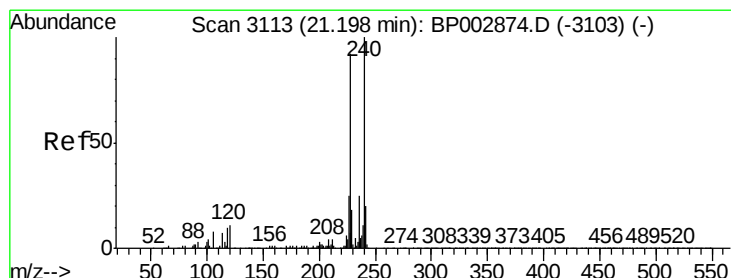
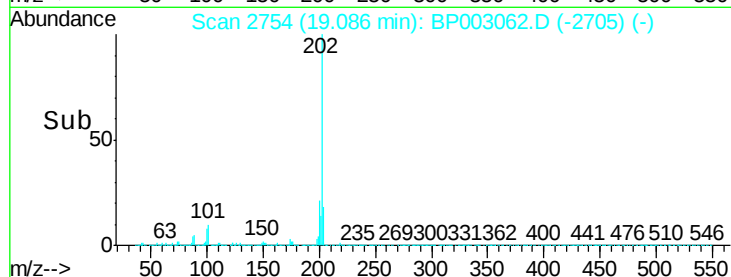
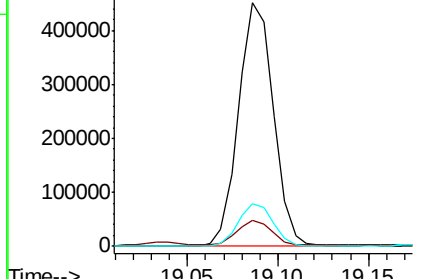
Tot Ion:	202	Resp:	603150
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.2
203	17.8	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

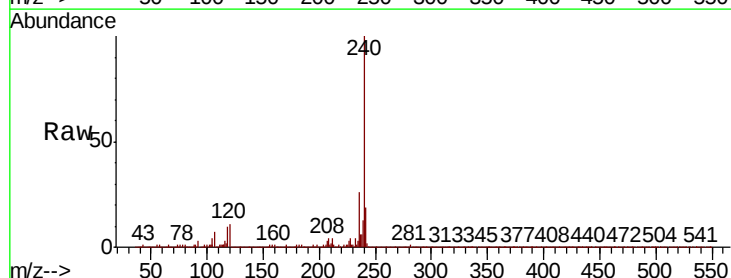
RT: 21.16 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

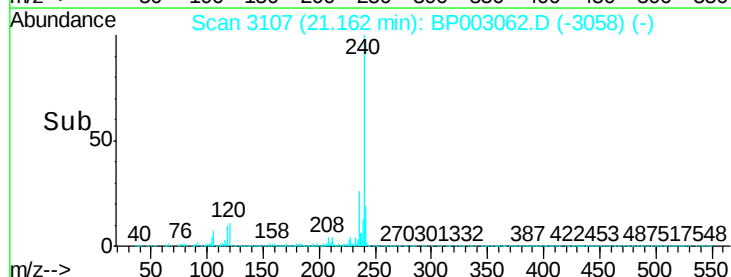
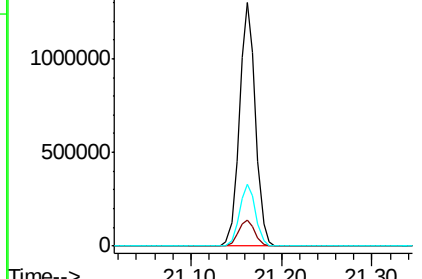
Tgt Ion:	240	Resp:	1606605
Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.5	14.3
236	25.5	20.8	31.2

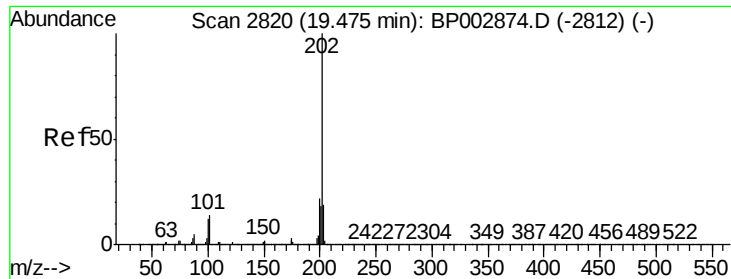


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

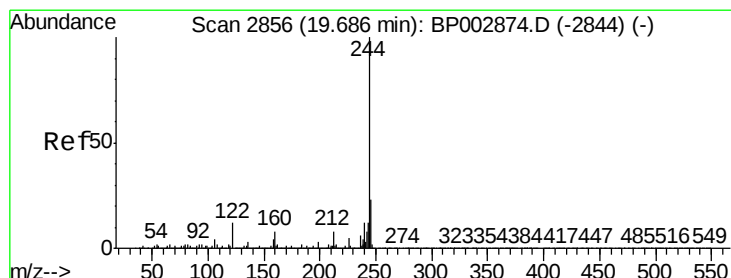
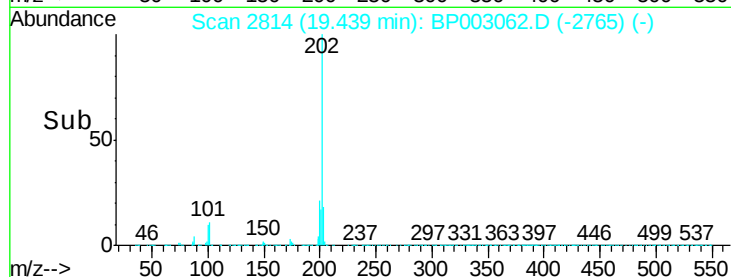
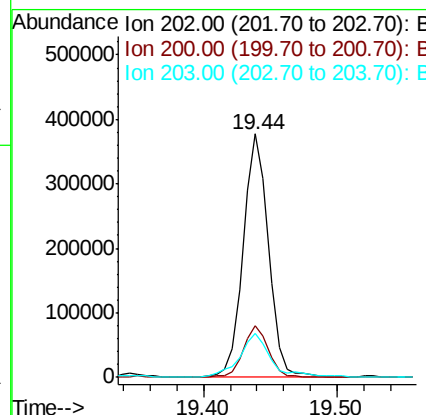
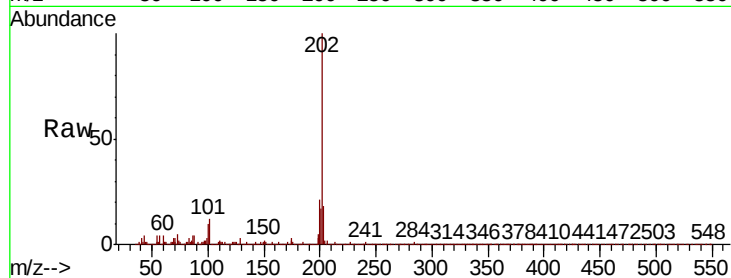




#78
Pvrene
Concen: 4.379 ng
RT: 19.44 min Scan# 2814
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

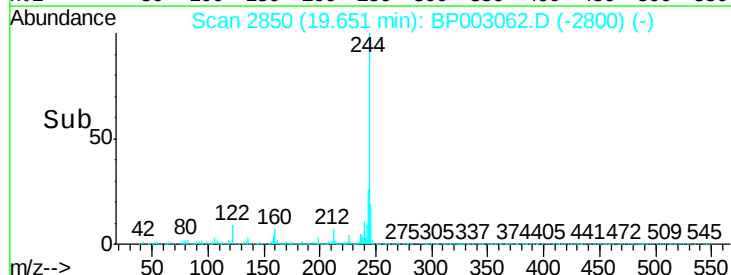
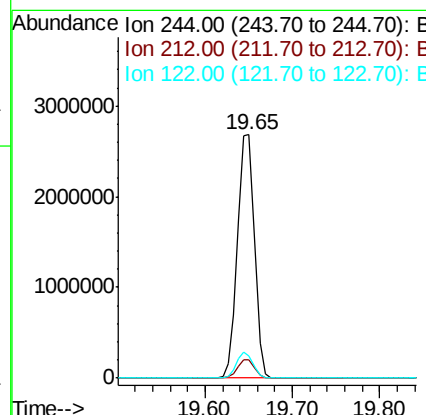
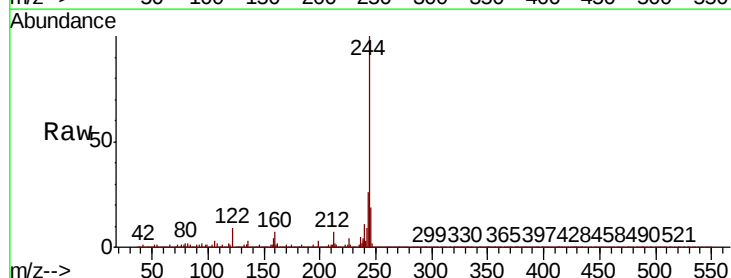
Instrument :
BNA_P
ClientSampleId :
WHITEHORSE-CONCRETE

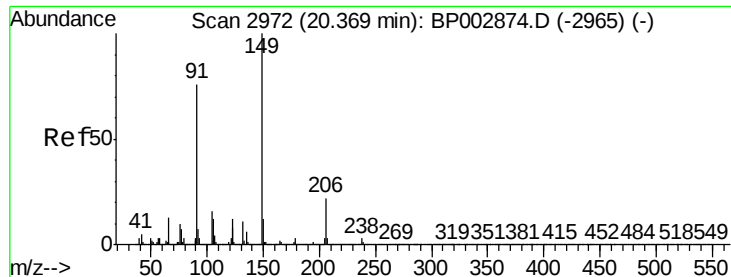
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	17.8	14.6	22.0



#79
Terphenyl-d14
Concen: 43.412 ng
RT: 19.65 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.3	9.5
122	9.3	8.7	13.1

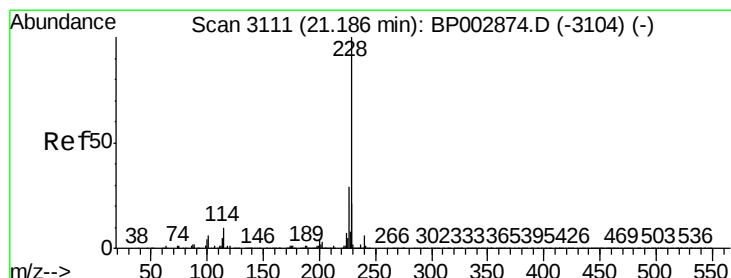
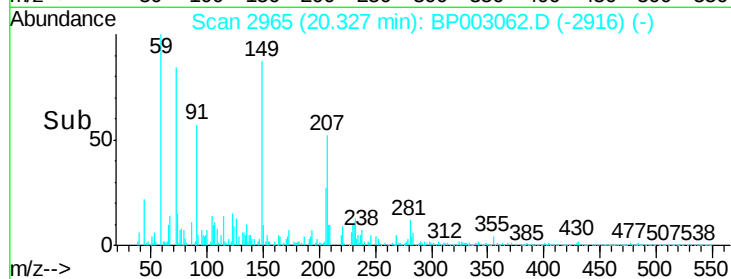
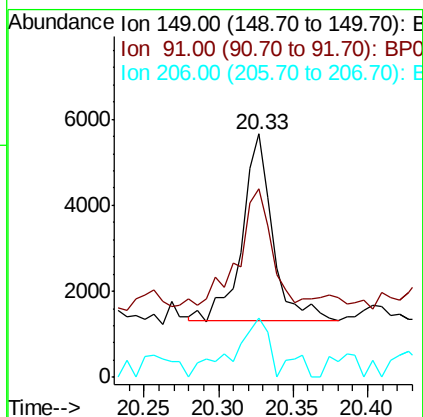
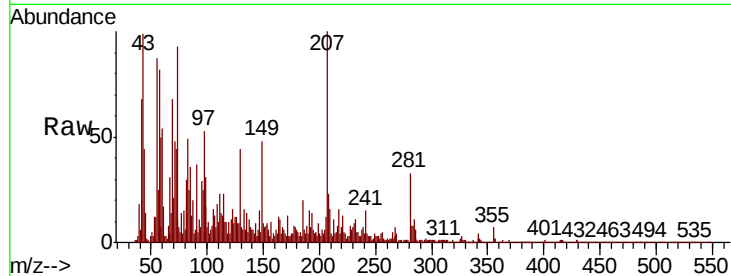




#80
Butylbenzylphthalate
Concen: 3.183 ng
RT: 20.33 min Scan# 2965
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

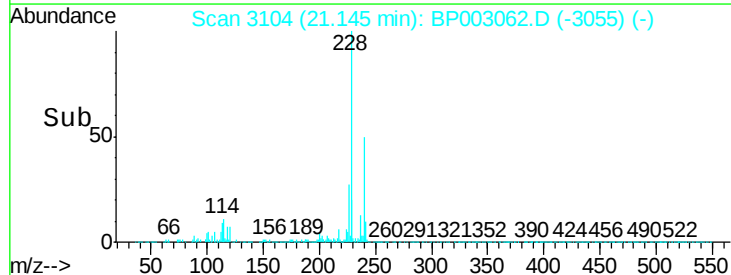
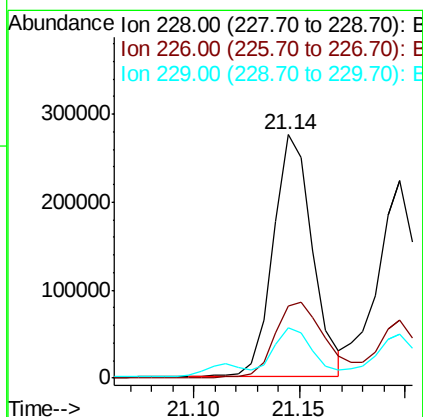
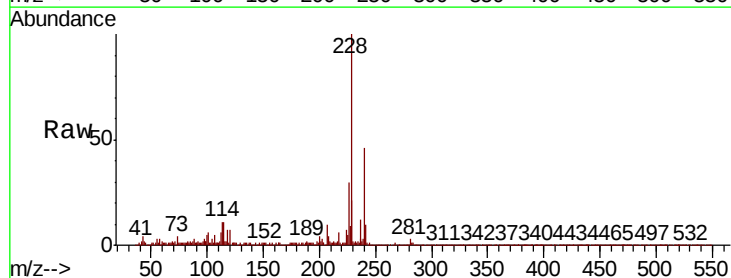
Instrument :
BNA_P
ClientSampleId :
WHITEHORSE-CONCRETE

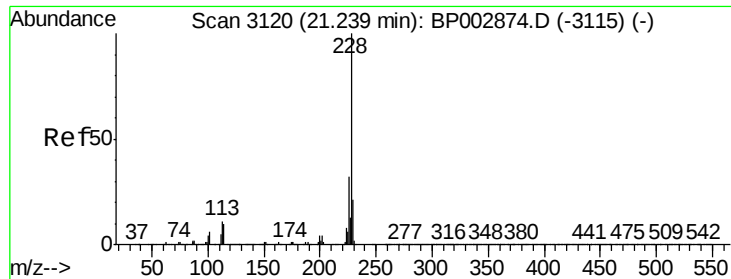
Tot Ion:149 Resp: 6096
Ion Ratio Lower Upper
149 100
91 77.7 45.3 67.9#
206 24.5 17.5 26.3



#81
Benzo(a)anthracene
Concen: 3.253 ng
RT: 21.14 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Tgt Ion:228 Resp: 356013
Ion Ratio Lower Upper
228 100
226 29.6 22.6 33.8
229 20.5 16.5 24.7

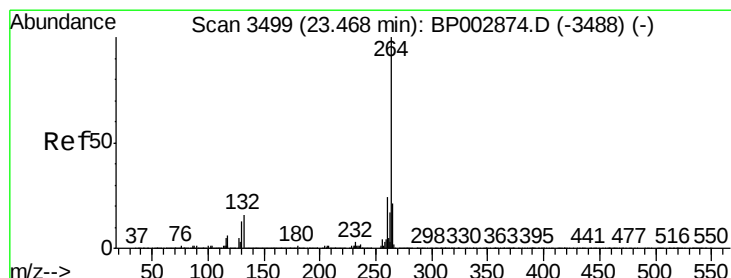
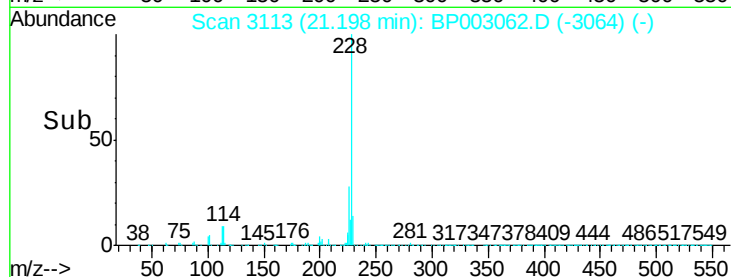
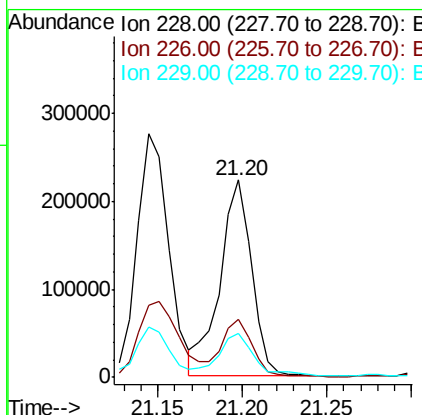
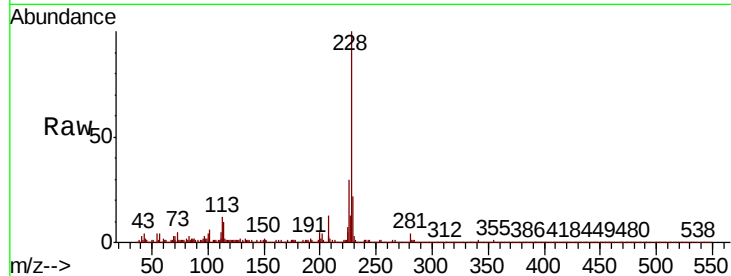




#83
Chrysene
Concen: 2.830 ng
RT: 21.20 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

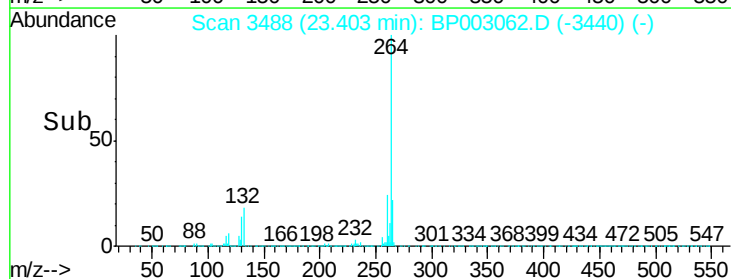
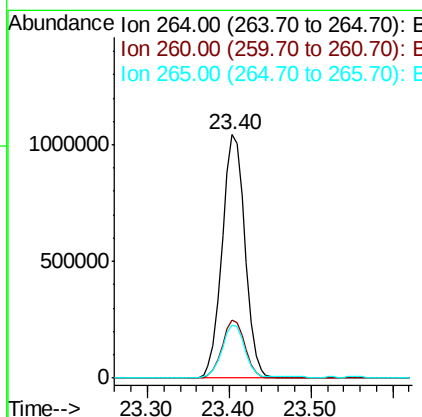
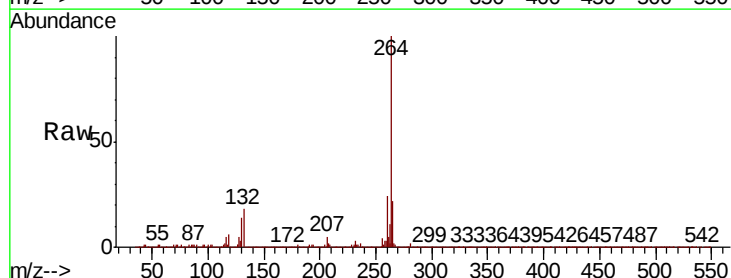
Instrument :
BNA_P
ClientSampleId :
WHITEHORSE-CONCRETE

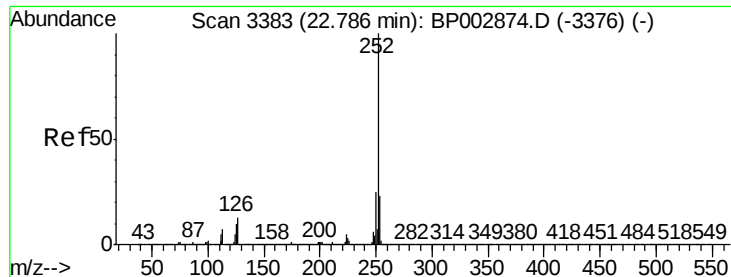
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	22.2	16.3	24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3488
Delta R.T. -0.02 min
Lab File: BP003062.D
Acq: 20 Aug 2020 13:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 2.550 ng

RT: 22.73 min Scan# 3374

Delta R.T. -0.01 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

Instrument :

BNA_P

ClientSampleId :

WHITEHORSE-CONCRETE

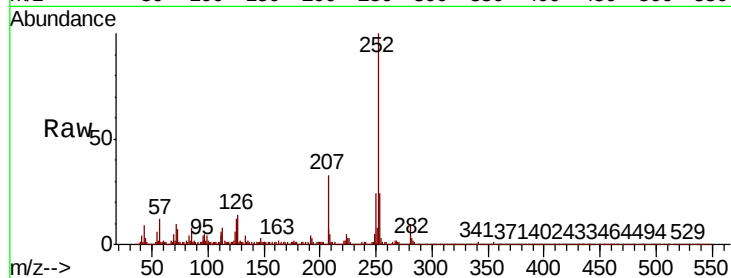
Tot Ion:252 Resp: 365168

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

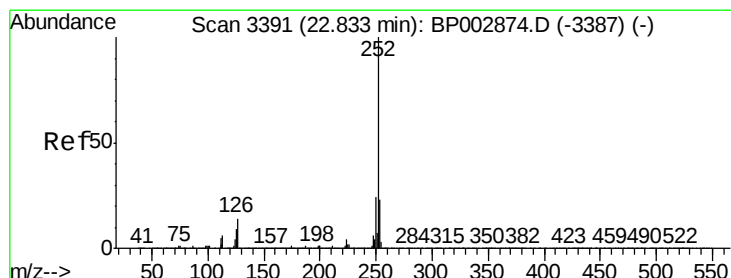
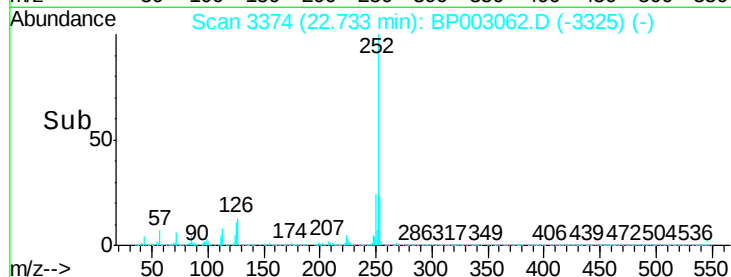
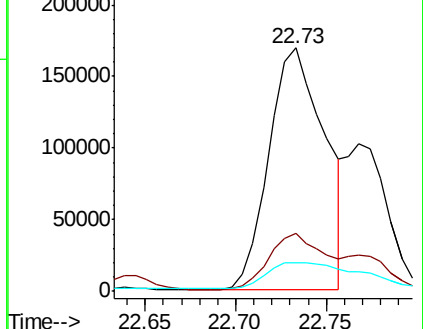
125 11.7 9.4 14.2



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



#89

Benzo(k)fluoranthene

Concen: 2.697 ng

RT: 22.73 min Scan# 3374

Delta R.T. -0.06 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

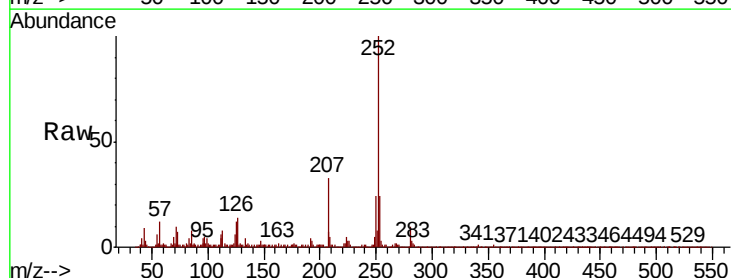
Tgt Ion:252 Resp: 365168

Ion Ratio Lower Upper

252 100

253 23.6 18.3 27.5

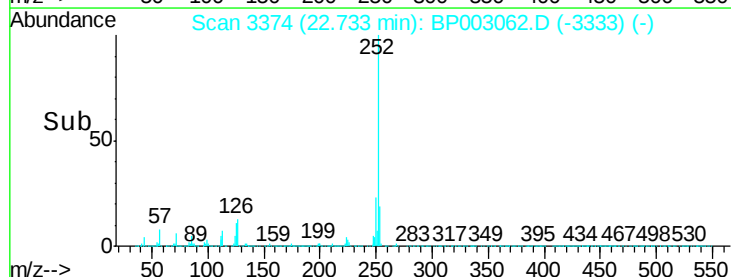
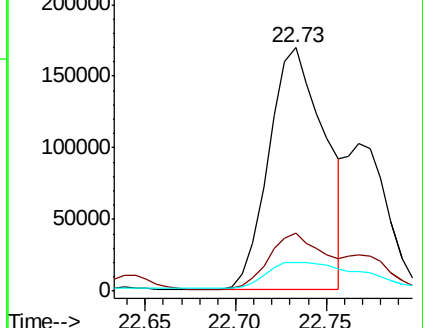
125 11.7 9.3 13.9

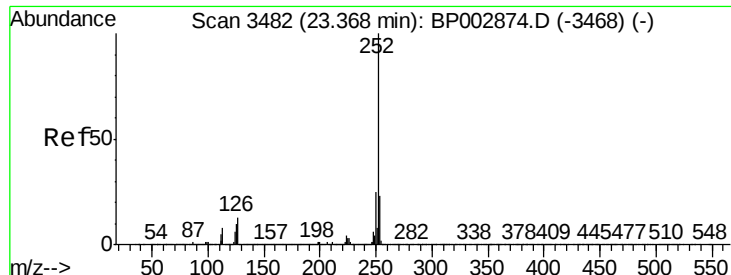


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.458 ng

RT: 23.30 min Scan# 3471

Delta R.T. -0.02 min

Lab File: BP003062.D

Acq: 20 Aug 2020 13:08

Instrument :

BNA_P

ClientSampleId :

WHITEHORSE-CONCRETE

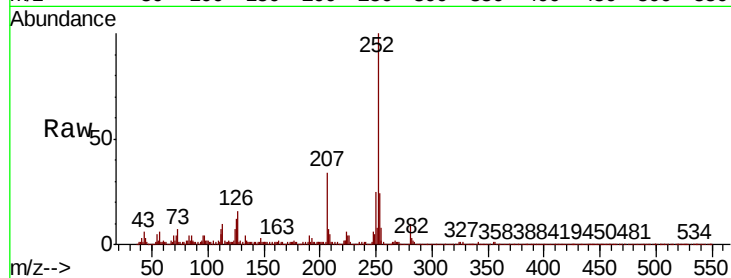
Tot Ion: 252 Resp: 318103

Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

125 12.4 9.9 14.9



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

