

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081720\
 Data File : BP003002.D
 Acq On : 17 Aug 2020 14:54
 Operator : CG/JU
 Sample : L3688-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BRICK-PILE

Quant Time: Aug 18 01:09:51 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	7.69	152	300338	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1363905	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	757440	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	1653511	20.00	ng	0.00
76) Chrysene-d12	21.17	240	1929714	20.00	ng	0.00
86) Perylene-d12	23.42	264	1921633	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1131069	57.64	ng	0.00
7) Phenol-d6	6.86	99	1458078	53.52	ng	0.00
23) Nitrobenzene-d5	8.83	82	777945	30.89	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	691230	73.42	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	2256628	40.71	ng	0.00
79) Terphenyl-d14	19.65	244	3313382	34.37	ng	0.00

Target Compounds

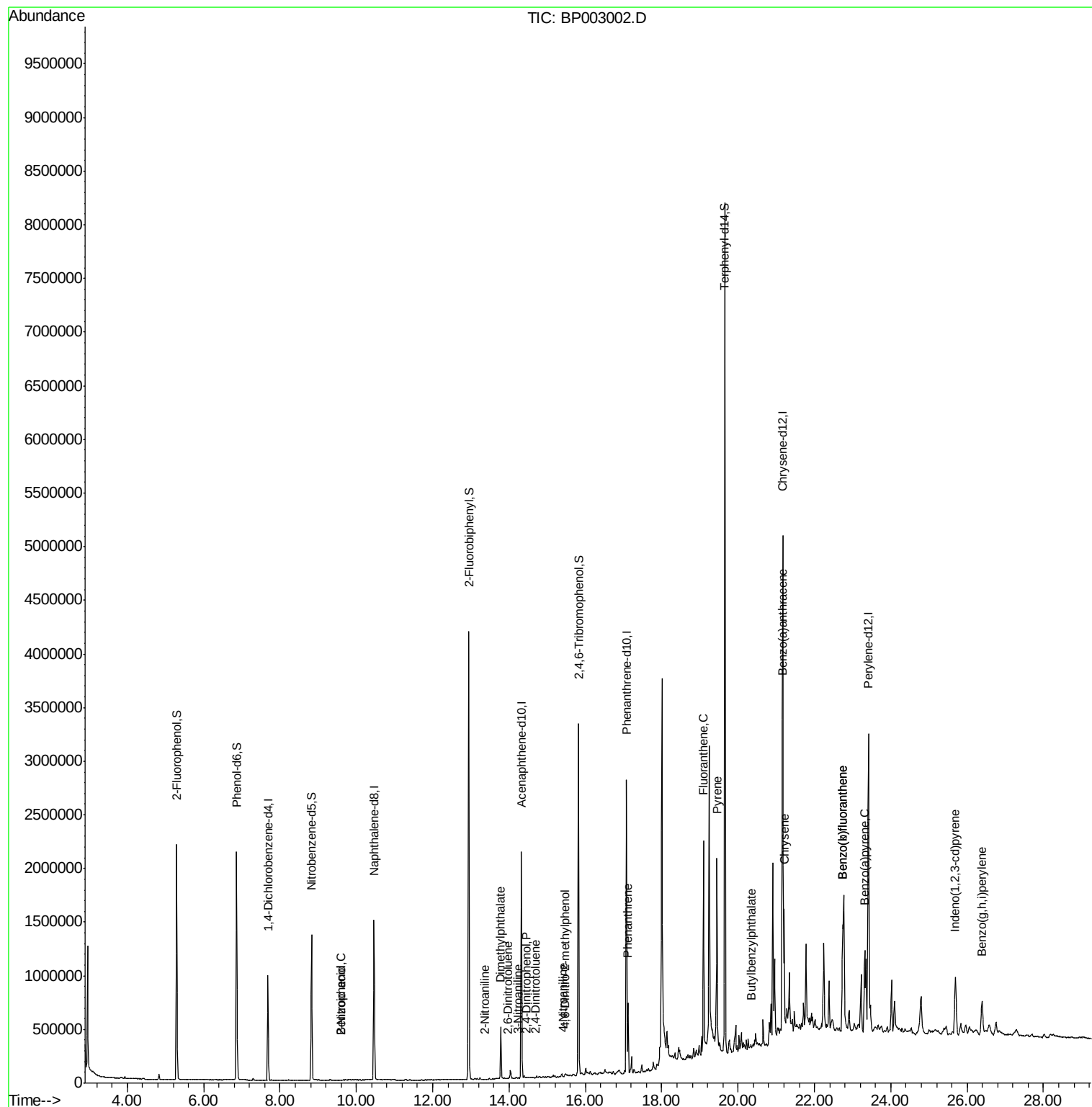
						Qvalue
26) 2-Nitrophenol	9.59	139	109	4.529	ng	# 1
32) Benzoic acid	9.60	122	214	7.700	ng	81
48) 2-Nitroaniline	13.37	65	312	3.995	ng	# 45
50) Dimethylphthalate	13.78	163	329139	5.556	ng	99
51) 2,6-Dinitrotoluene	13.97	165	208	2.914	ng	92
53) 3-Nitroaniline	14.23	138	94	3.280	ng	# 31
54) 2,4-Dinitrophenol	14.43	184	72	8.069	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	239	3.818	ng	# 75
62) 4-Nitroaniline	15.42	138	77	2.421	ng	72
65) 4,6-Dinitro-2-methylphenol	15.47	198	38	6.904	ng	# 1
71) Phenanthrene	17.12	178	391362	4.036	ng	99
75) Fluoranthene	19.09	202	1152155	10.313	ng	99
78) Pyrene	19.45	202	1018534	7.550	ng	98
80) Butylbenzylphthalate	20.34	149	2058	3.093	ng	# 79
81) Benzo(a)anthracene	21.15	228	668910	5.089	ng	100
83) Chrysene	21.20	228	640433	5.165	ng	98
87) Indeno(1,2,3-cd)pyrene	25.69	276	403982	2.625	ng	96
88) Benzo(b)fluoranthene	22.74	252	1126330	8.306	ng	99
89) Benzo(k)fluoranthene	22.74	252	1126502	8.789	ng	100
90) Benzo(a)pyrene	23.32	252	562250	4.589	ng	100
92) Benzo(a,h,i)perylene	26.39	276	378610	2.989	ng	98

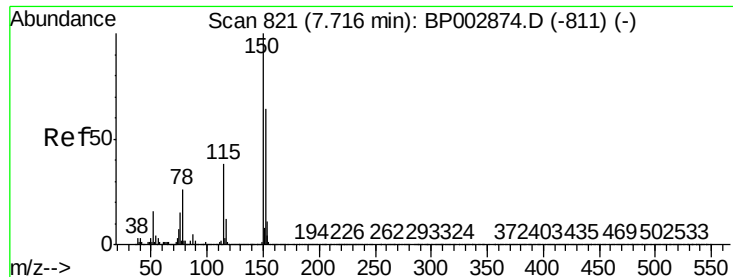
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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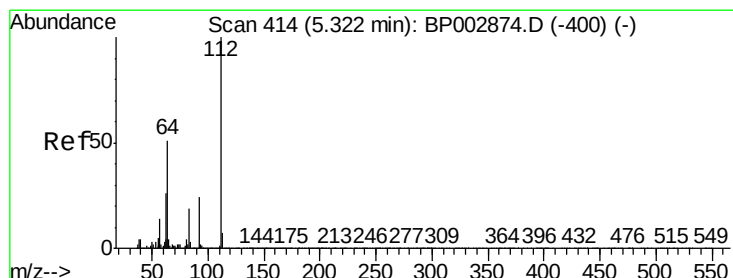
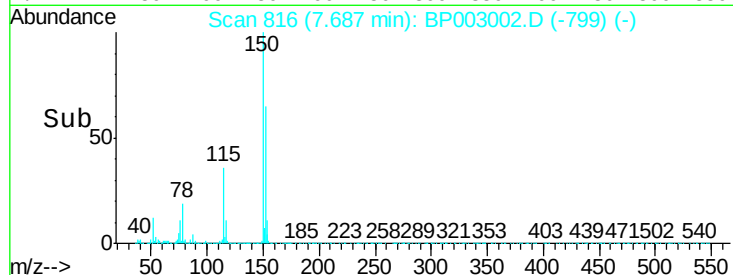
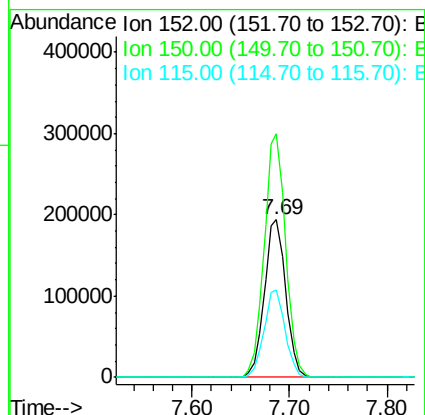
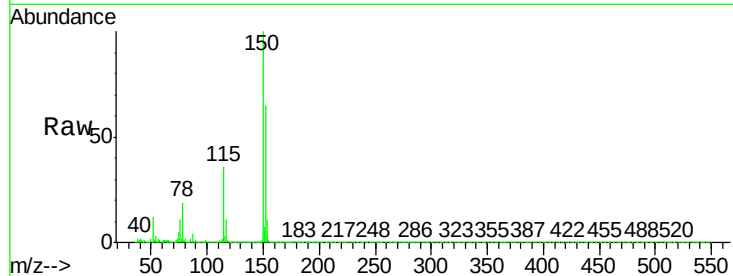


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.69 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BP003002.D
 Acq: 17 Aug 2020 14:54

Instrument :
 BNA_P
 ClientSampleId :
 BRICK-PILE

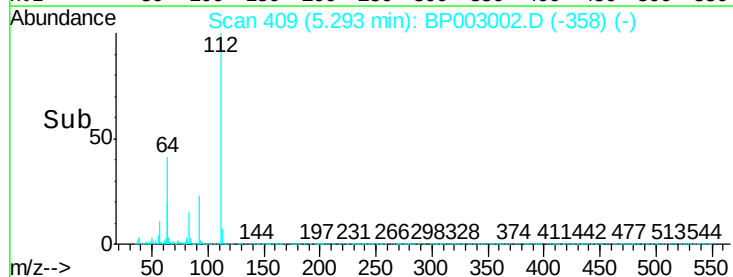
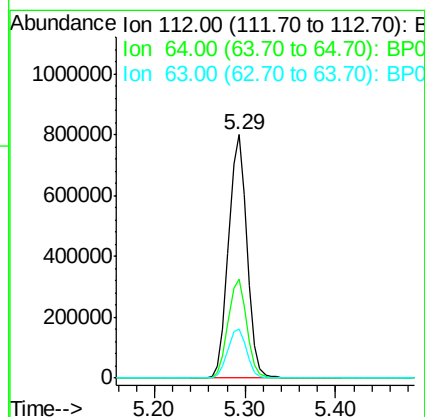
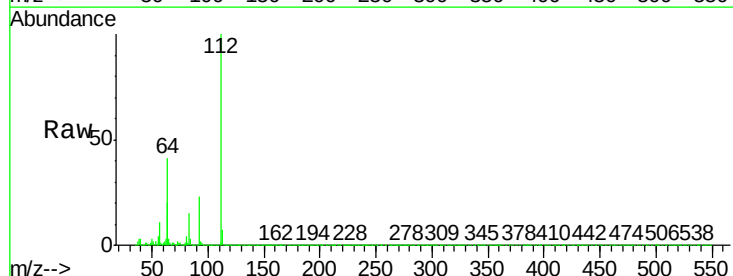
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.1	189.1
115	55.2	43.4	65.2

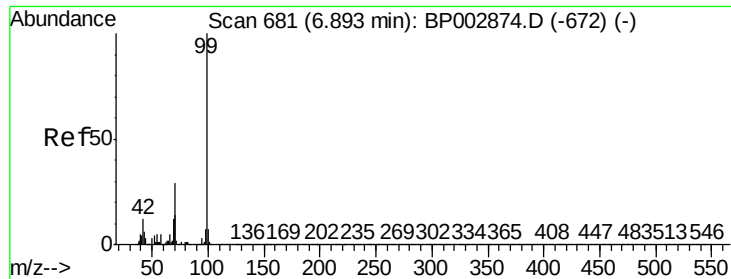


#5

2-Fluorophenol
 Concen: 57.638 ng
 RT: 5.29 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: BP003002.D
 Acq: 17 Aug 2020 14:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.7	33.4	50.2
63	20.2	17.4	26.0





#7

Phenol-d6

Concen: 53.518 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003002.D

Acq: 17 Aug 2020 14:54

Instrument :

BNA_P

ClientSampleId :

BRICK-PILE

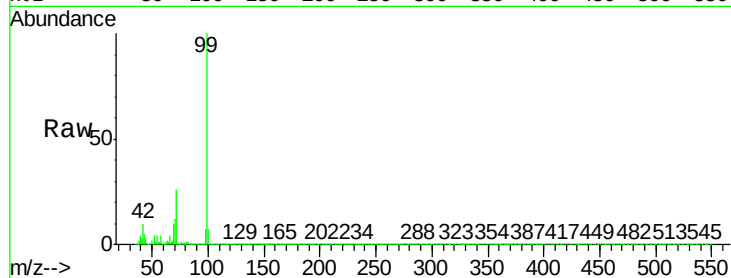
Tot Ion: 99 Resp: 1458078

Ion Ratio Lower Upper

99 100

42 10.1 8.0 12.0

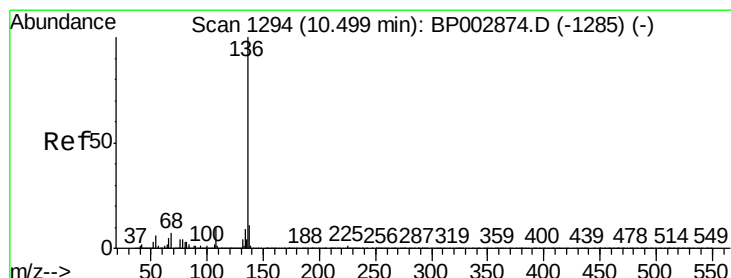
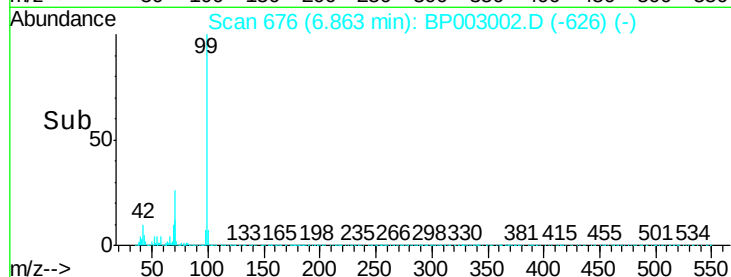
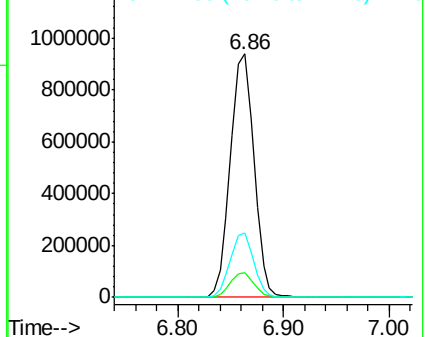
71 26.3 21.3 31.9



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: 10.46 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BP003002.D

Acq: 17 Aug 2020 14:54

Tgt Ion: 136 Resp: 1363905

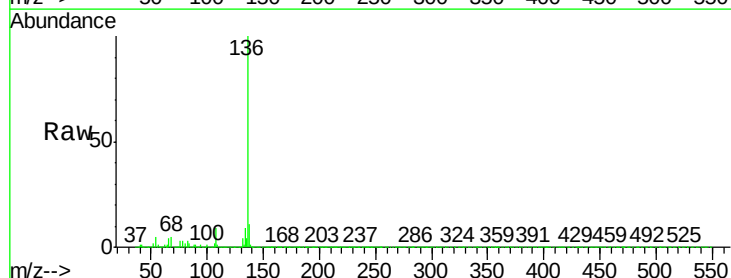
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 4.6 3.8 5.8

68 4.8 3.8 5.8

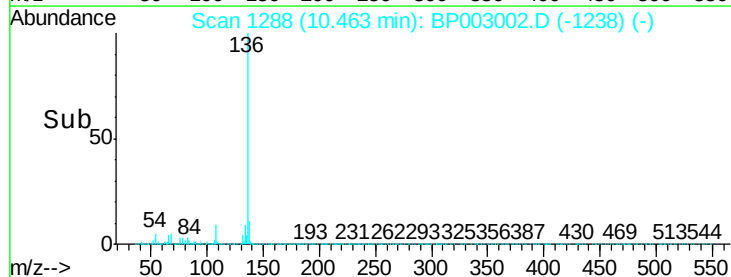
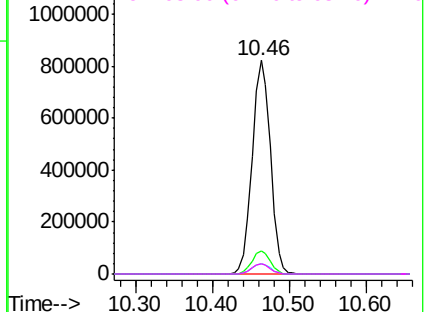


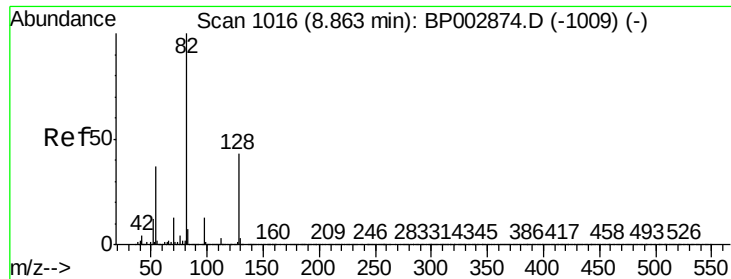
Abundance Ion 136.00 (135.70 to 136.70): E

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

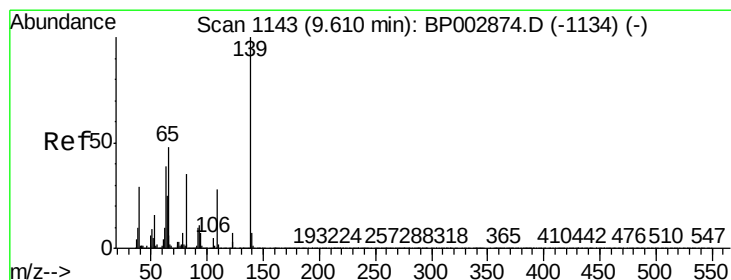
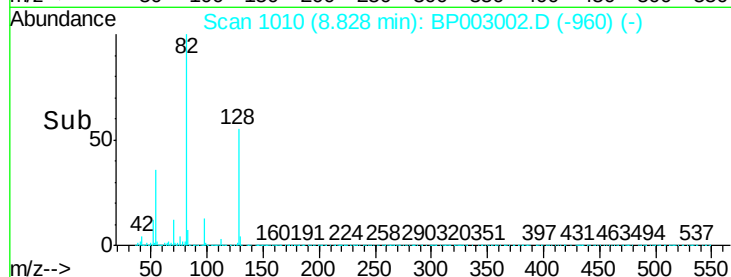
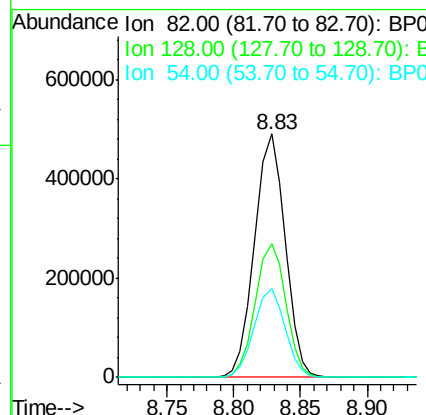
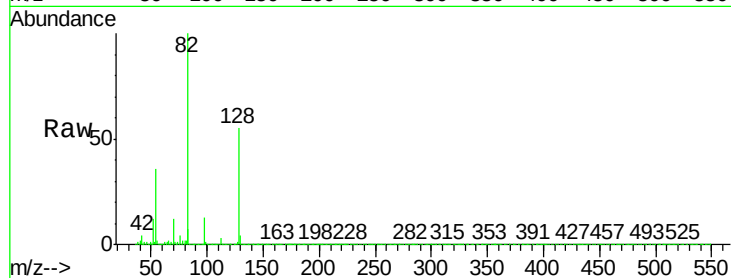




#23
Nitrobenzene-d5
Concen: 30.893 ng
RT: 8.83 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

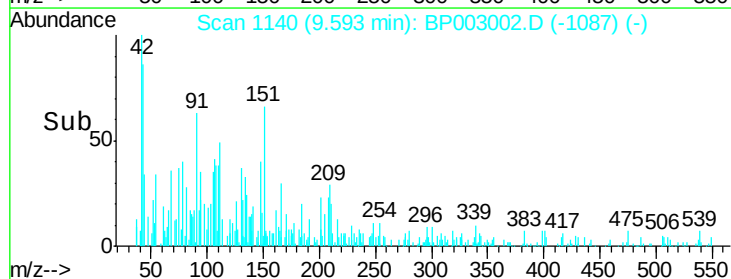
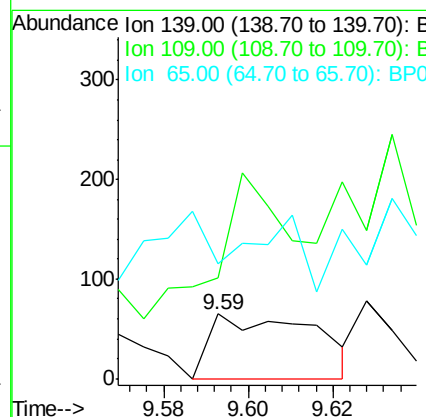
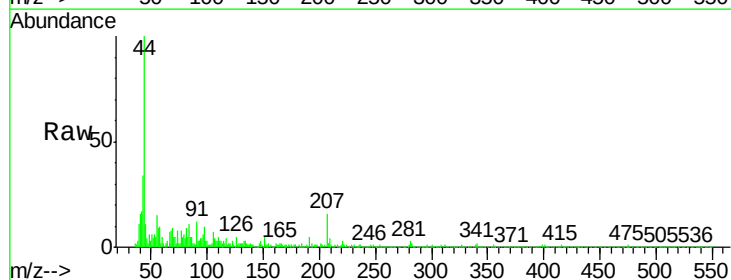
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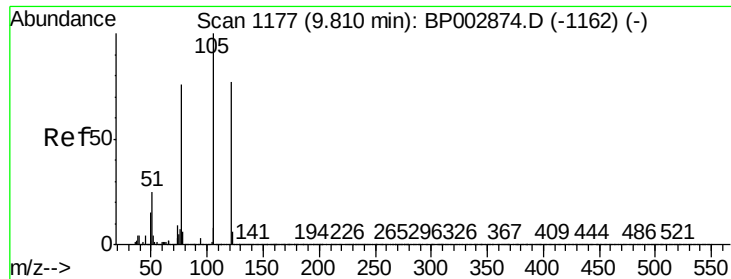
Tot Ion	82	Resp	777945
Ion Ratio	Lower	Upper	
82	100		
128	55.0	45.1	67.7
54	36.5	28.8	43.2



#26
2-Nitrophenol
Concen: 4.529 ng
RT: 9.59 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion	139	Resp	109
Ion Ratio	Lower	Upper	
139	100		
109	155.4	21.0	31.6#
65	176.9	27.2	40.8#

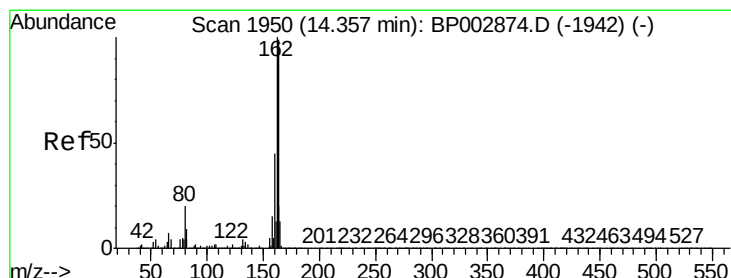
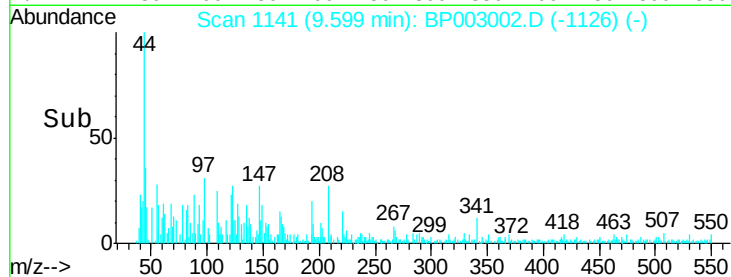
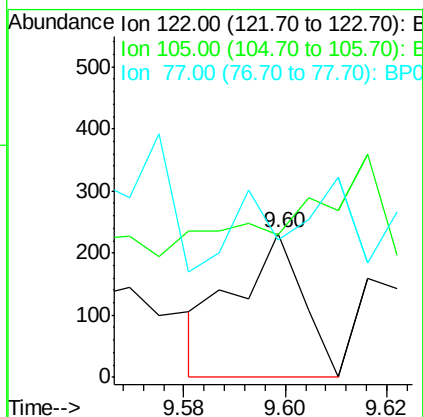
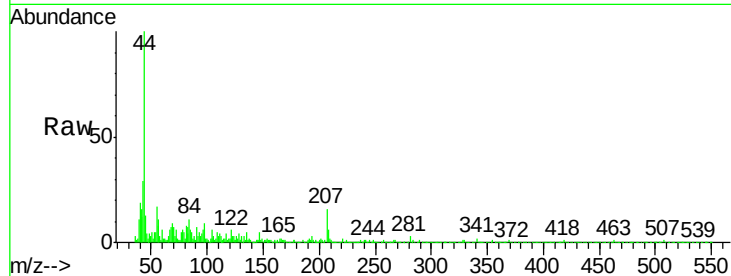




#32
Benzoic acid
Concen: 7.700 ng
RT: 9.60 min Scan# 1141
Delta R.T. -0.21 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

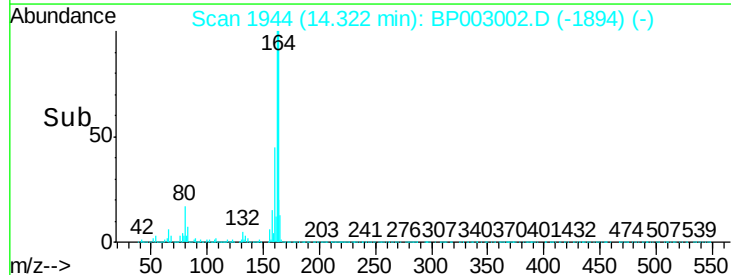
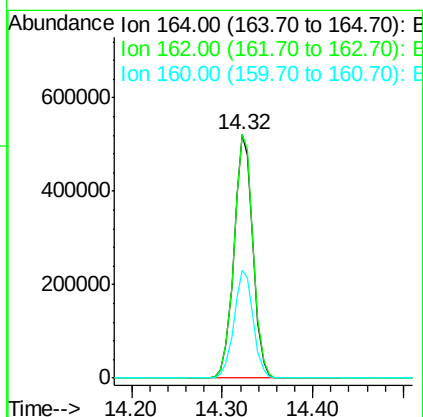
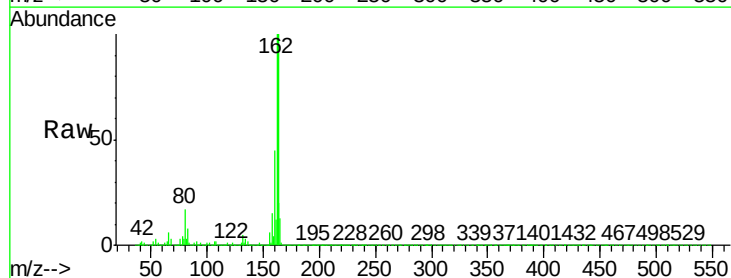
Instrument :
BNA_P
ClientSampleId :
BRICK-PILE

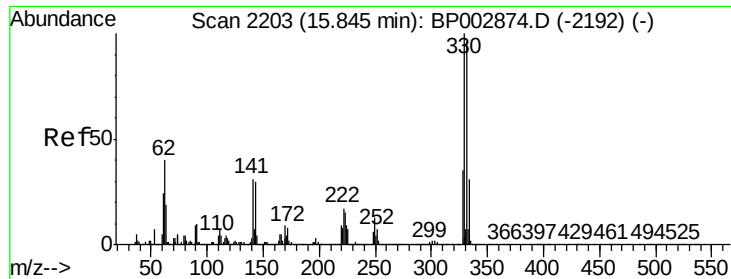
Tot Ion:122 Resp: 214
Ion Ratio Lower Upper
122 100
105 99.1 96.2 136.2
77 95.3 55.6 95.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion:164 Resp: 757440
Ion Ratio Lower Upper
164 100
162 100.0 81.4 122.0
160 44.6 35.5 53.3

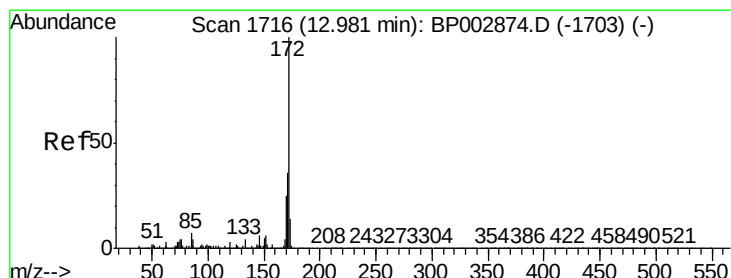
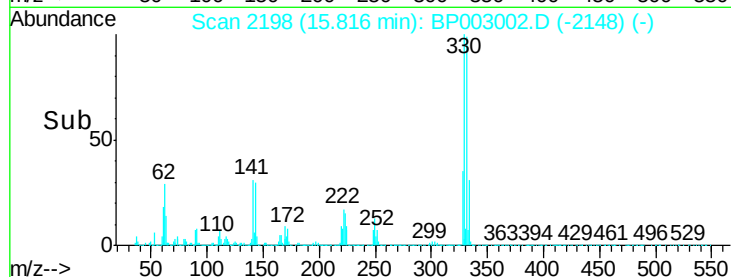
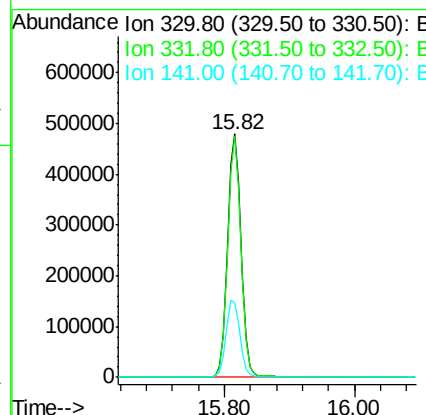
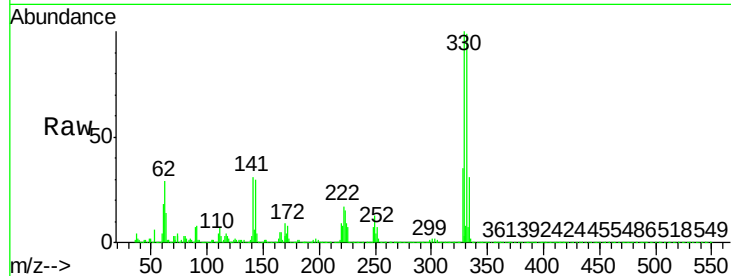




#42
2,4,6-Tribromophenol
Concen: 73.425 ng
RT: 15.82 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

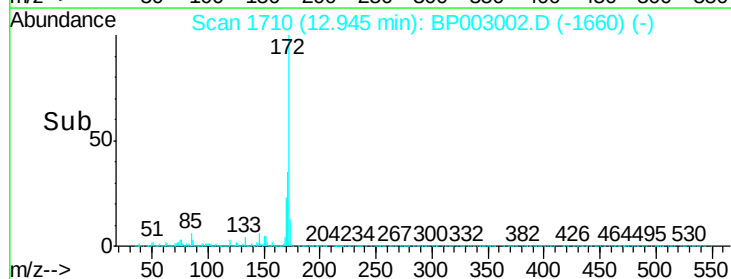
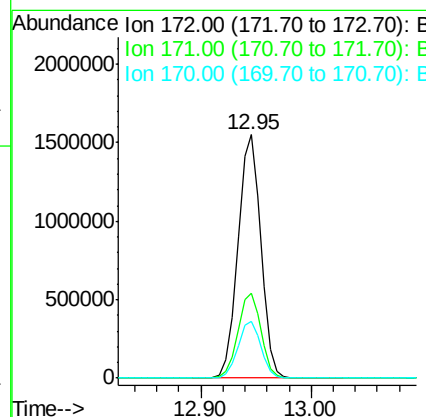
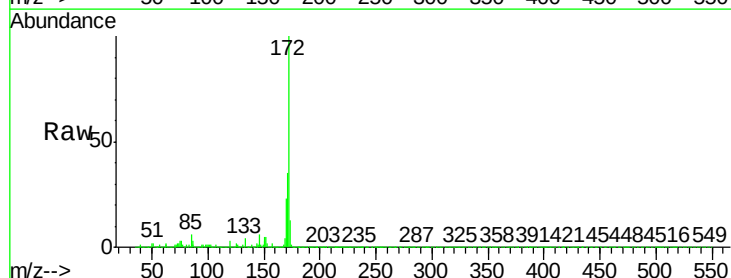
Instrument :
BNA_P
ClientSampleId :
BRICK-PILE

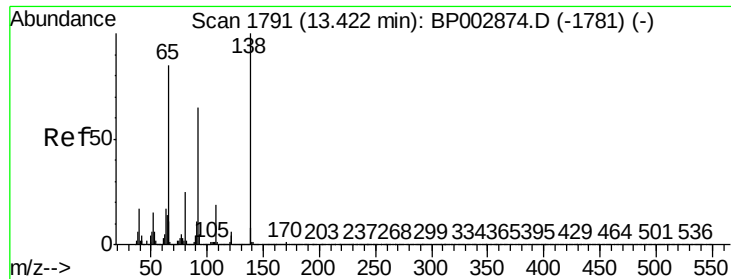
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	32.8	26.7	40.1



#45
2-Fluorobiphenyl
Concen: 40.706 ng
RT: 12.95 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.4
170	23.4	19.1	28.7

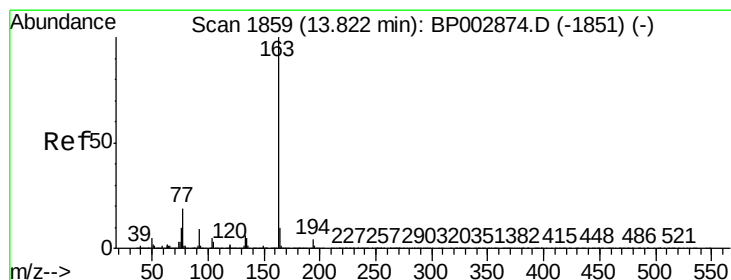
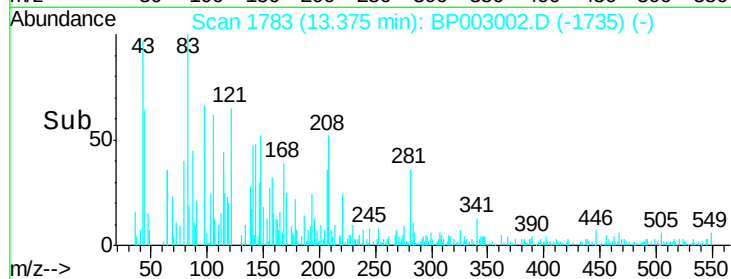
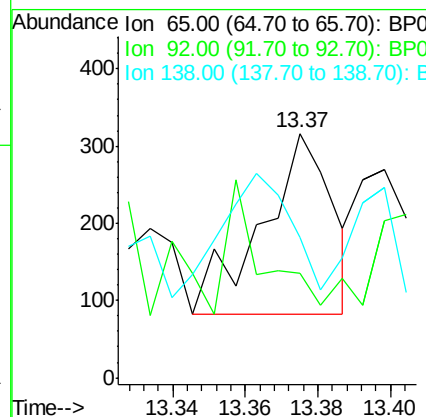
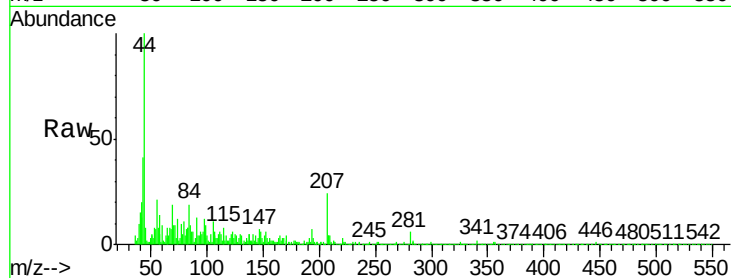




#48
2-Nitroaniline
Concen: 3.995 ng
RT: 13.37 min Scan# 1783
Delta R.T. -0.02 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

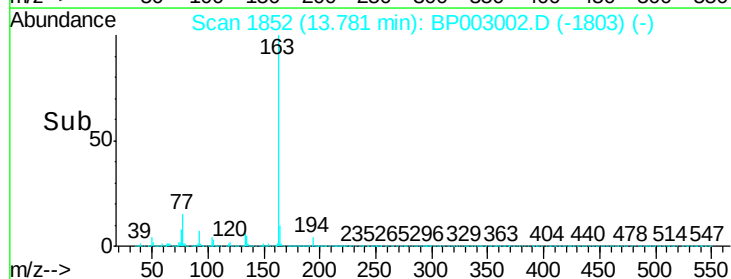
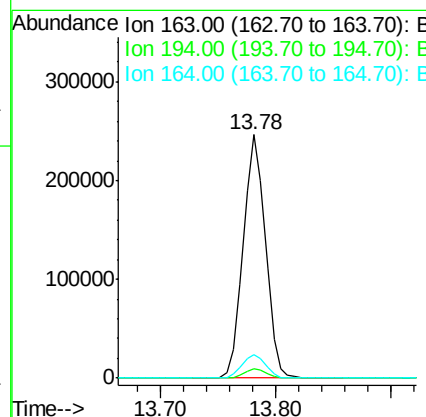
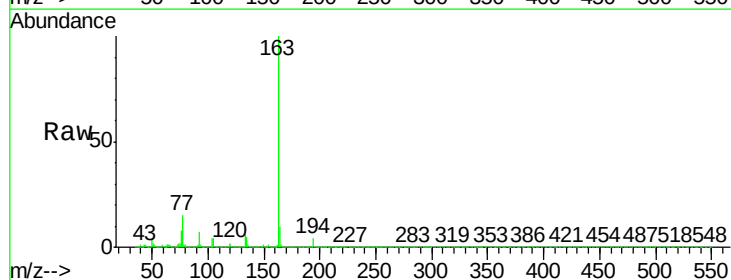
Instrument :
BNA_P
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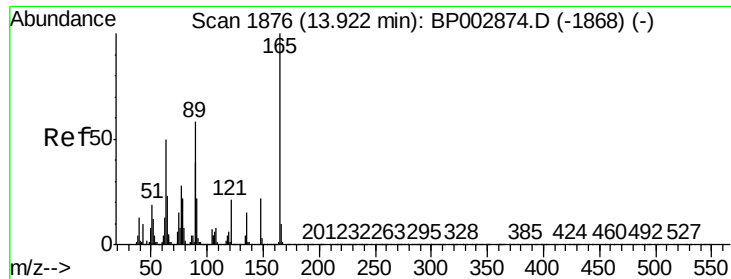
Tot Ion: 65 Resp: 312
Ion Ratio Lower Upper
65 100
92 43.0 70.1 105.1#
138 83.2 129.7 194.5#



#50
Dimethylphthalate
Concen: 5.556 ng
RT: 13.78 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion: 163 Resp: 329139
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.6 8.1 12.1

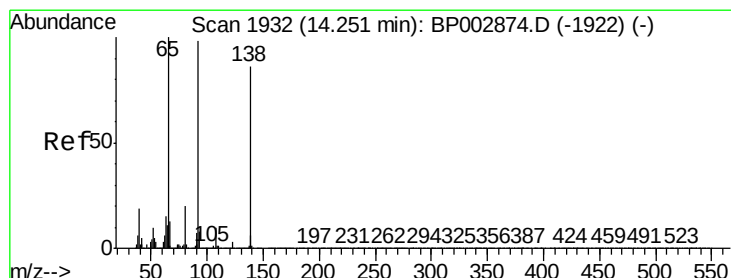
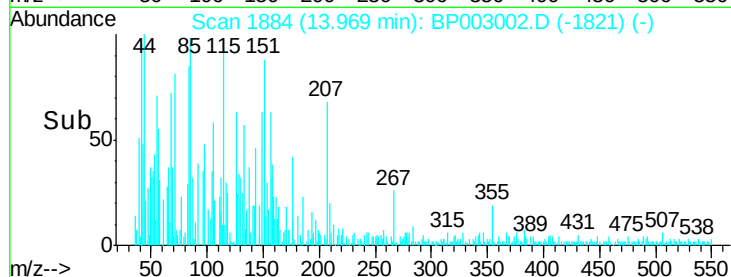
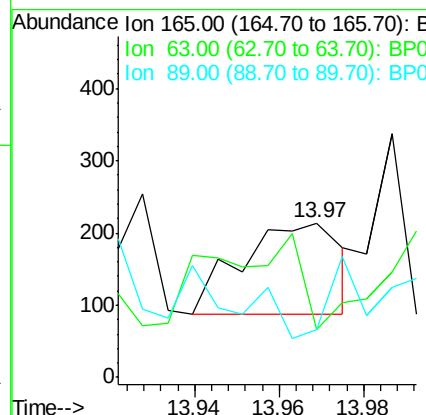
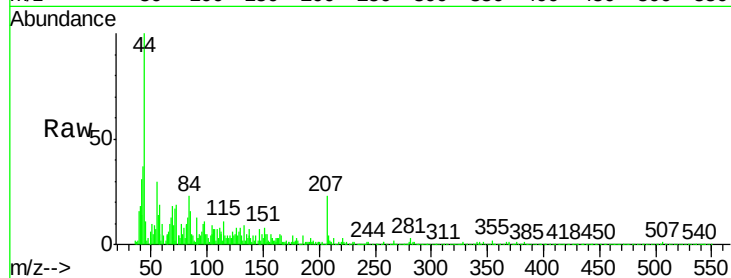




#51
 2,6-Dinitrotoluene
 Concen: 2.914 ng
 RT: 13.97 min Scan# 1884
 Delta R.T. 0.07 min
 Lab File: BP003002.D
 Acq: 17 Aug 2020 14:54

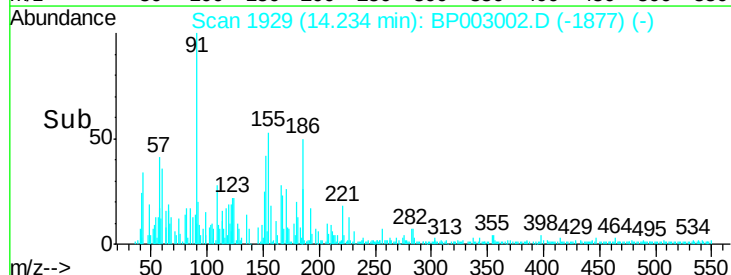
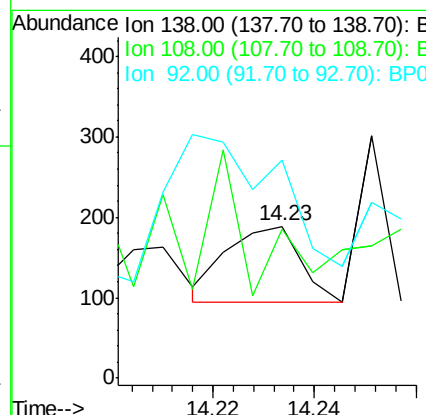
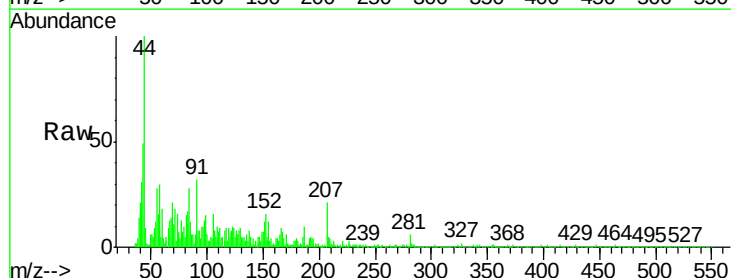
Instrument :
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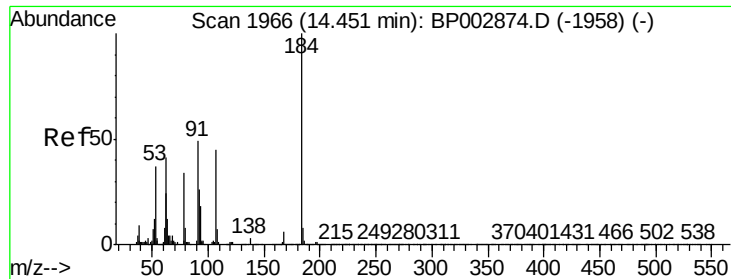
Tot Ion:165 Resp: 208
 Ion Ratio Lower Upper
 165 100
 63 31.3 28.1 42.1
 89 49.1 34.5 51.7



#53
 3-Nitroaniline
 Concen: 3.280 ng
 RT: 14.23 min Scan# 1929
 Delta R.T. 0.01 min
 Lab File: BP003002.D
 Acq: 17 Aug 2020 14:54

Tgt Ion:138 Resp: 94
 Ion Ratio Lower Upper
 138 100
 108 98.4 7.7 11.5#
 92 143.9 75.6 113.4#

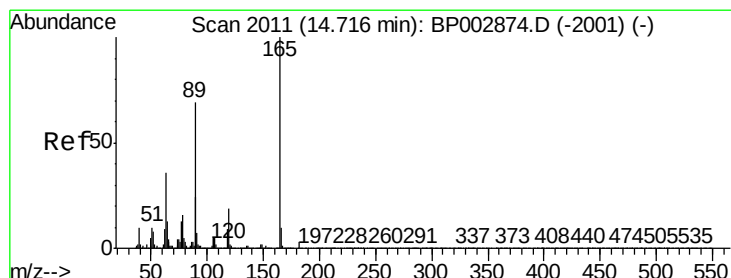
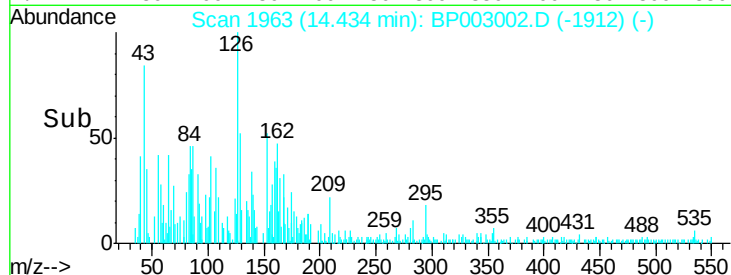
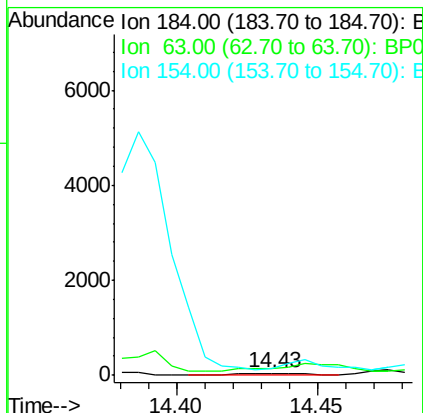
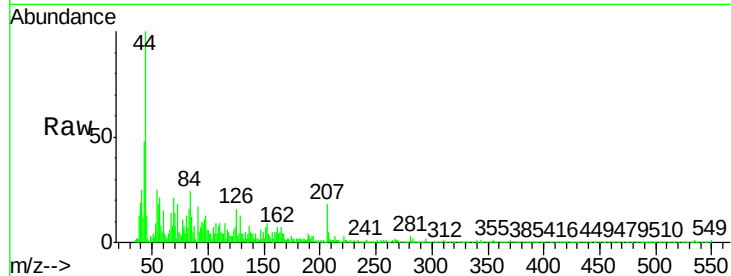




#54
2,4-Dinitrophenol
Concen: 8.069 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

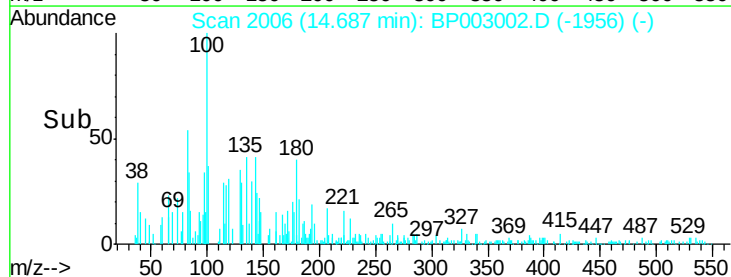
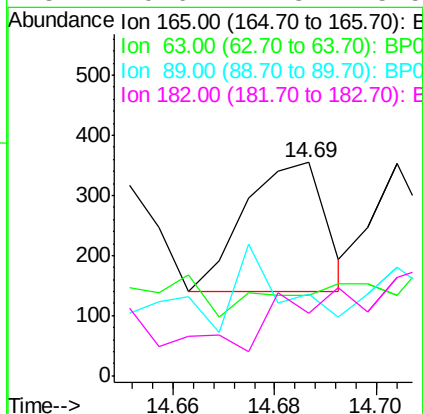
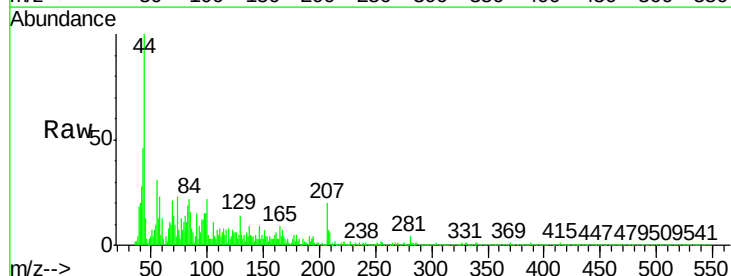
Instrument :
BNA_P
ClientSampleId :
BRICK-PILE

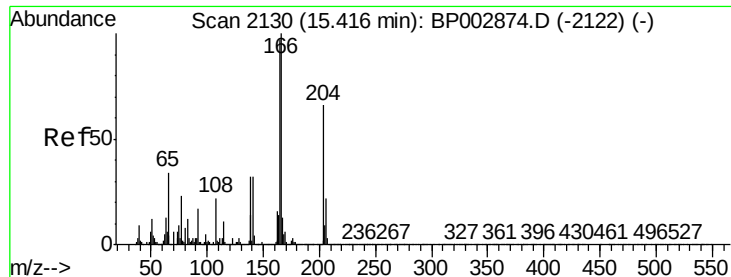
Tot Ion:184 Resp: 72
Ion Ratio Lower Upper
184 100
63 313.6 33.0 49.6#
154 325.0 46.8 70.2#



#57
2,4-Dinitrotoluene
Concen: 3.818 ng
RT: 14.69 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion:165 Resp: 239
Ion Ratio Lower Upper
165 100
63 37.7 20.6 31.0#
89 38.0 43.4 65.0#
182 29.6 2.3 3.5#

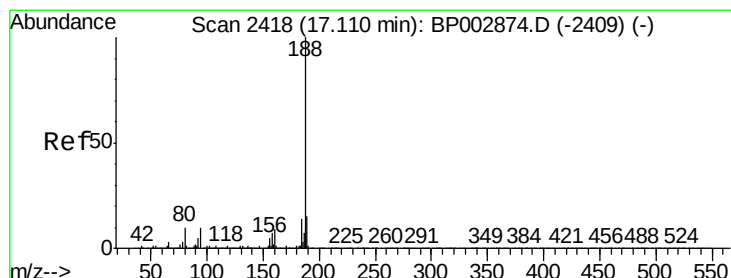
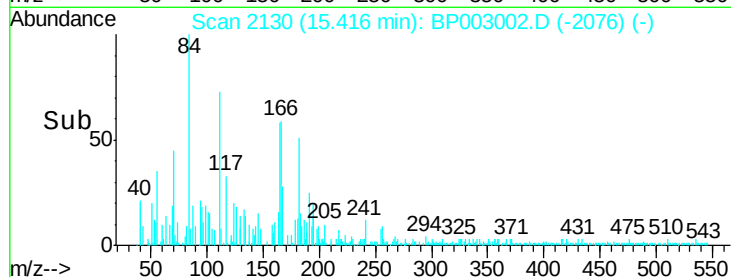
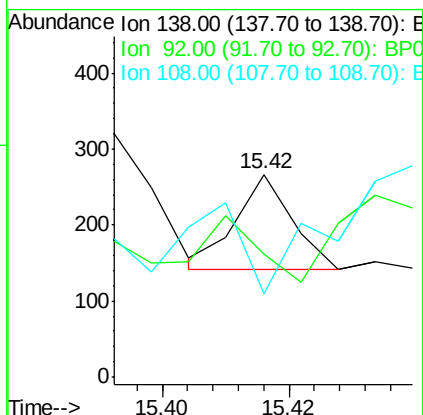
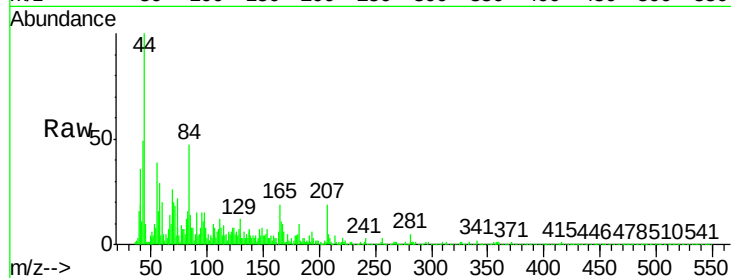




#62
4-Nitroaniline
Concen: 2.421 ng
RT: 15.42 min Scan# 2130
Delta R.T. 0.02 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

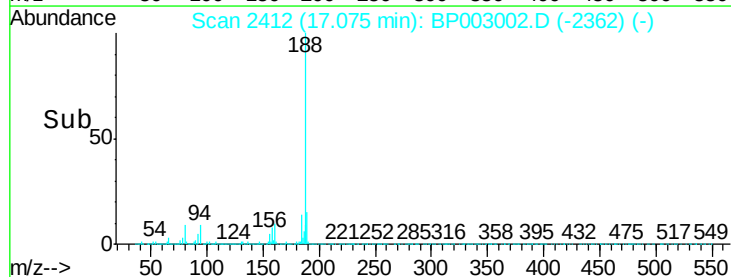
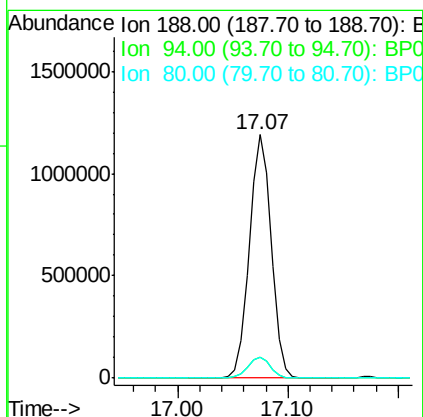
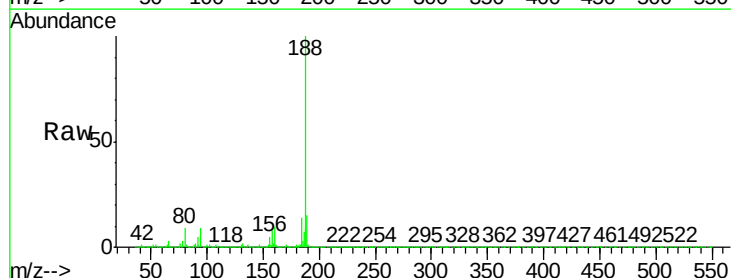
Instrument :
BNA_P
ClientSampled :
BRICK-PILE

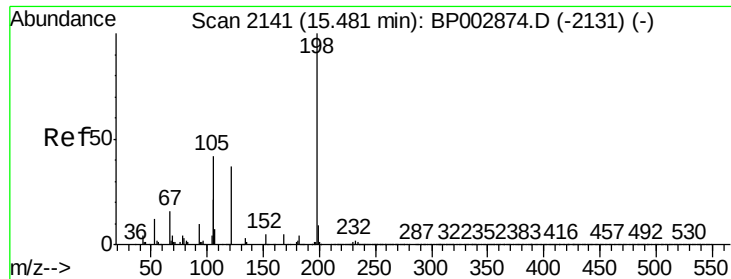
Tot Ion:138 Resp: 77
Ion Ratio Lower Upper
138 100
92 60.7 21.4 61.4
108 41.2 40.8 80.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion:188 Resp: 1653511
Ion Ratio Lower Upper
188 100
94 8.7 7.1 10.7
80 8.8 6.7 10.1

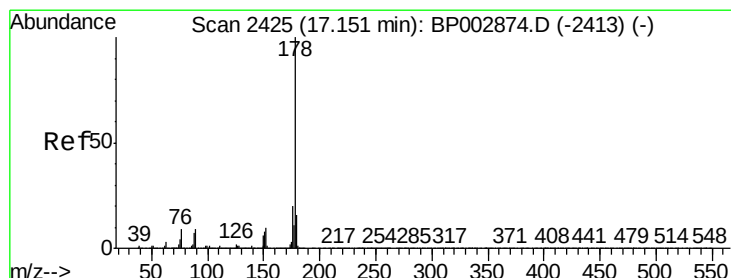
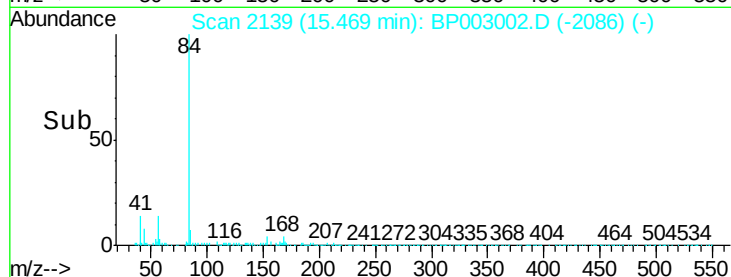
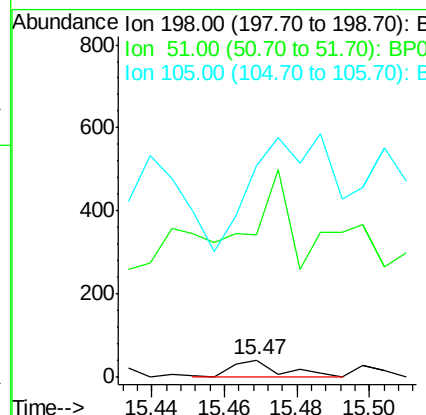
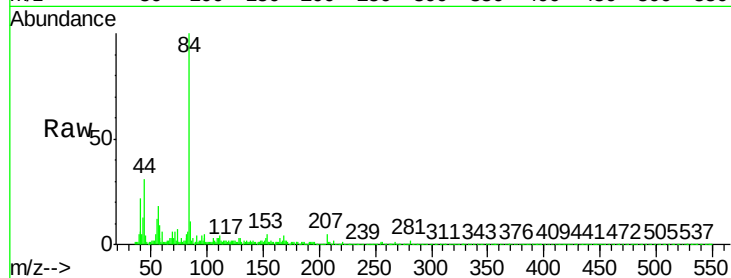




#65
4,6-Dinitro-2-methylphenol
Concen: 6.904 ng
RT: 15.47 min Scan# 2139
Delta R.T. 0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

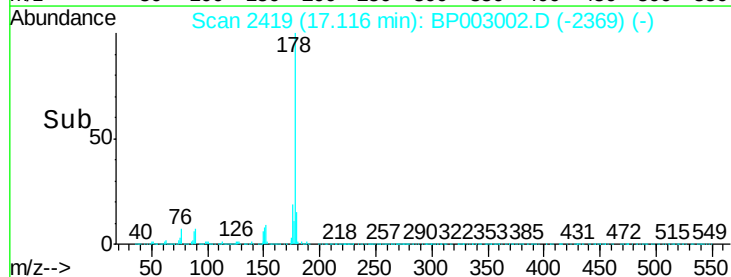
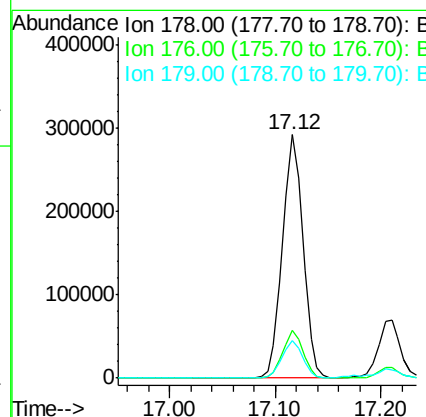
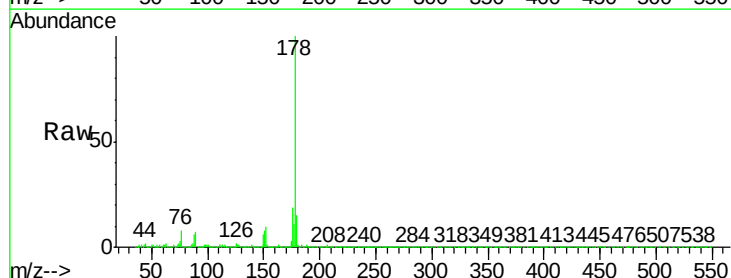
Instrument :
BNA_P
ClientSampleId :
BRICK-PILE

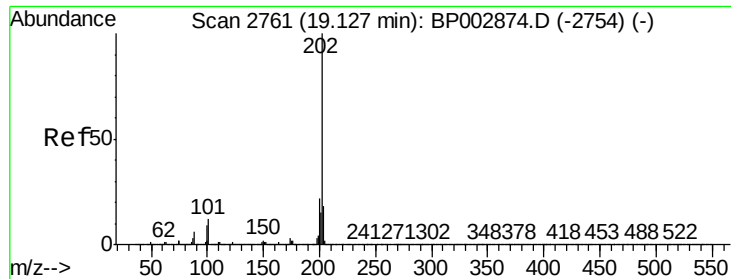
Tot Ion:198 Resp: 38
Ion Ratio Lower Upper
198 100
51 814.3 6.2 46.2#
105 1209.5 19.9 59.9#



#71
Phenanthrene
Concen: 4.036 ng
RT: 17.12 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion:178 Resp: 391362
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.5 12.9 19.3





#75

Fluoranthene

Concen: 10.313 ng

RT: 19.09 min Scan# 2755

Delta R.T. -0.01 min

Lab File: BP003002.D

Acq: 17 Aug 2020 14:54

Instrument :

BNA_P

ClientSampleId :

BRICK-PILE

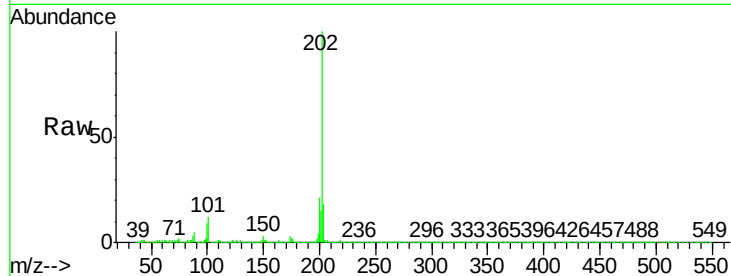
Tot Ion:202 Resp: 1152155

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.2

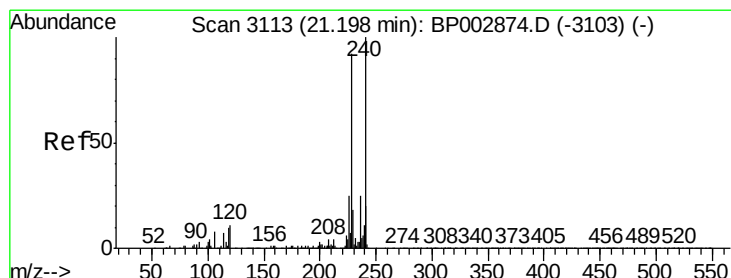
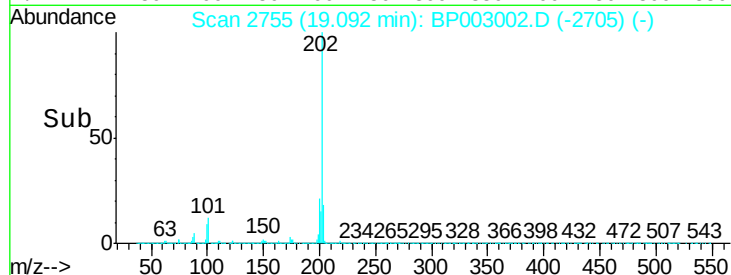
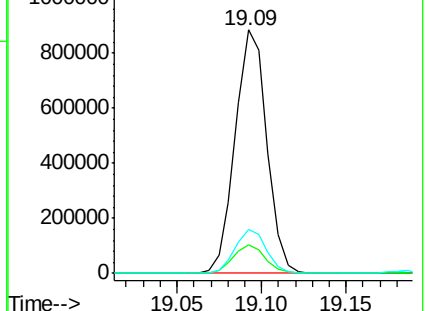
203 17.8 0.0 38.4



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: 21.17 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BP003002.D

Acq: 17 Aug 2020 14:54

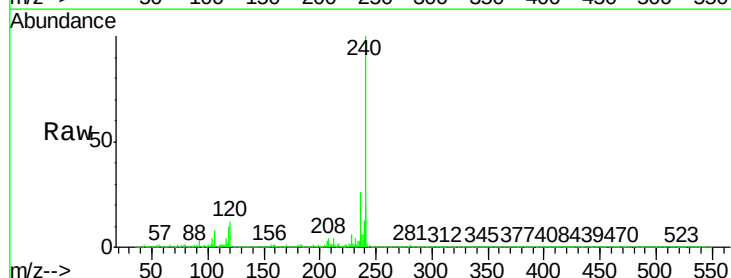
Tgt Ion:240 Resp: 1929714

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

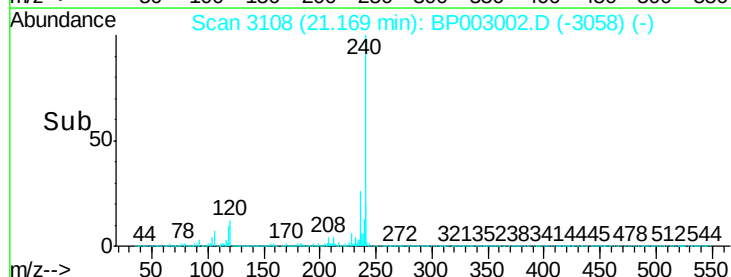
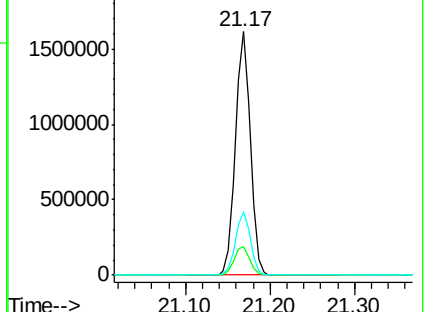
236 25.8 20.8 31.2

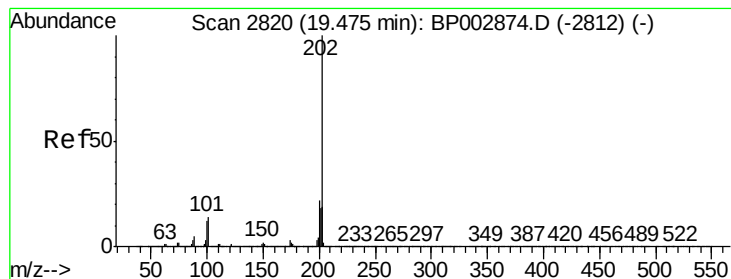


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.550 ng

RT: 19.45 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BP003002.D

Acq: 17 Aug 2020 14:54

Instrument :

BNA_P

ClientSampleId :

BRICK-PILE

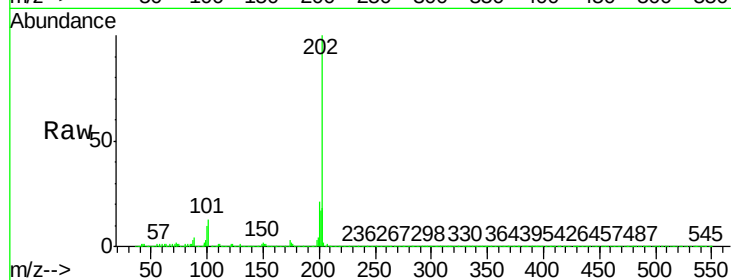
Tot Ion:202 Resp: 1018534

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

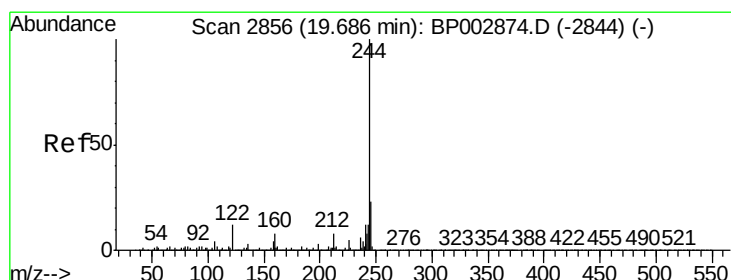
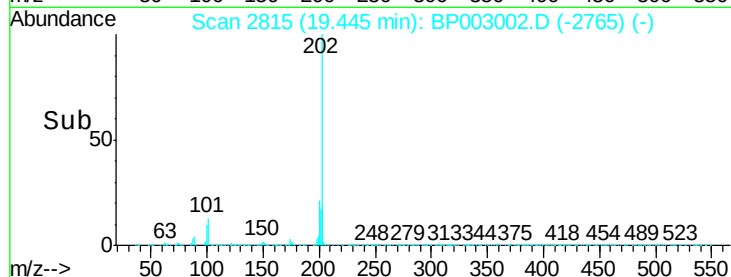
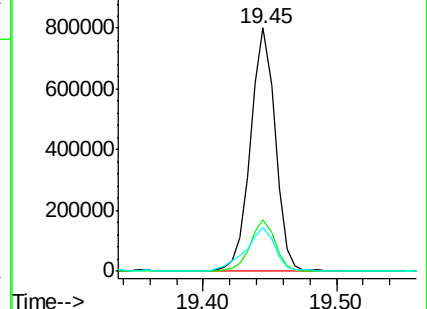
203 17.9 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 34.374 ng

RT: 19.65 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BP003002.D

Acq: 17 Aug 2020 14:54

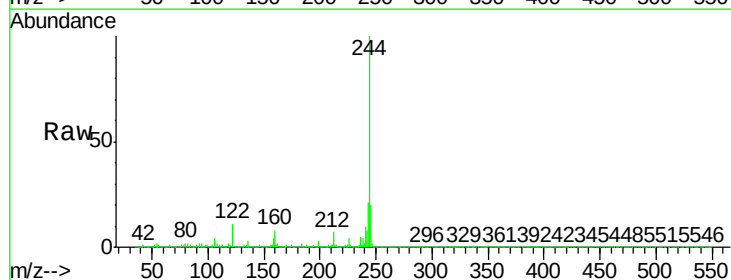
Tgt Ion:244 Resp: 3313382

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

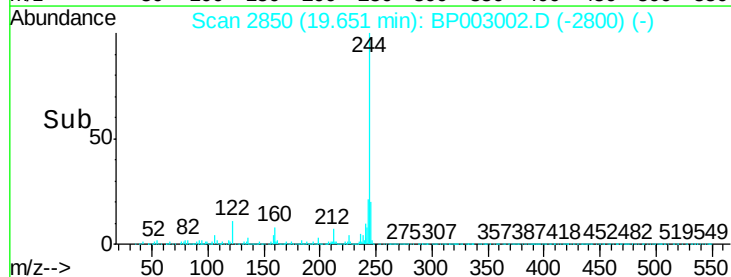
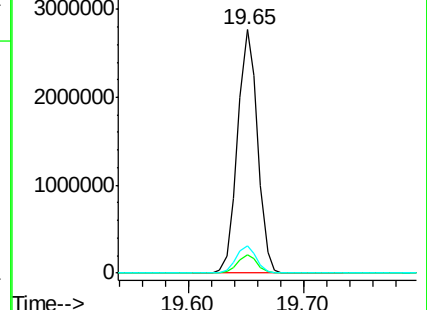
122 11.1 8.7 13.1

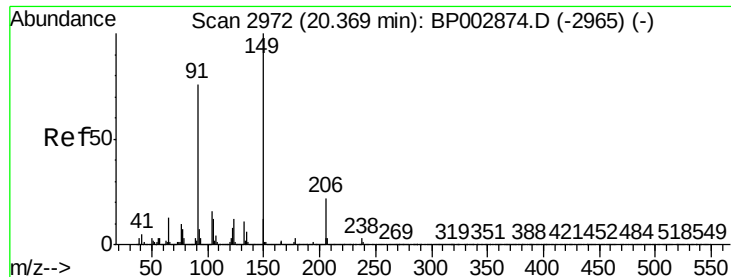


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

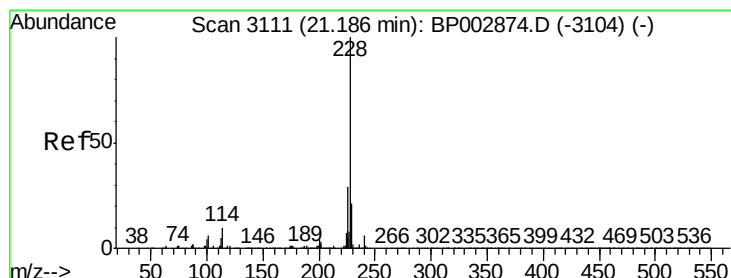
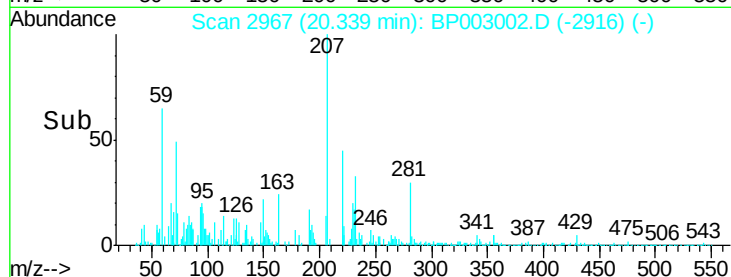
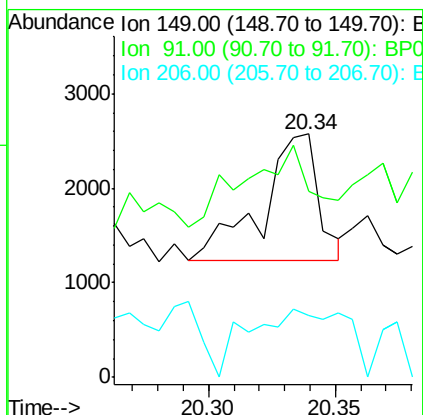
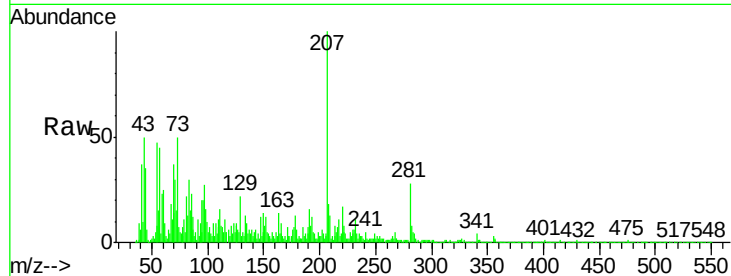




#80
Butylbenzylphthalate
Concen: 3.093 ng
RT: 20.34 min Scan# 2967
Delta R.T. -0.00 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

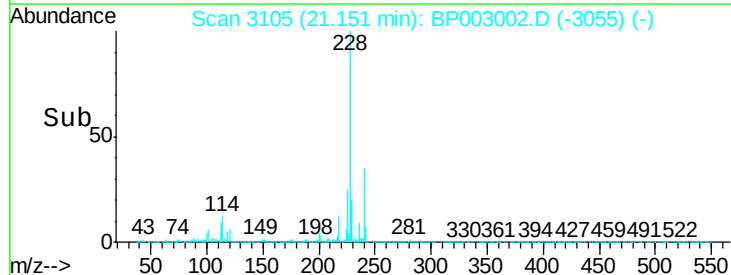
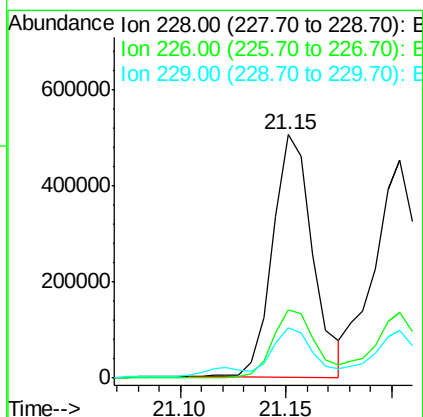
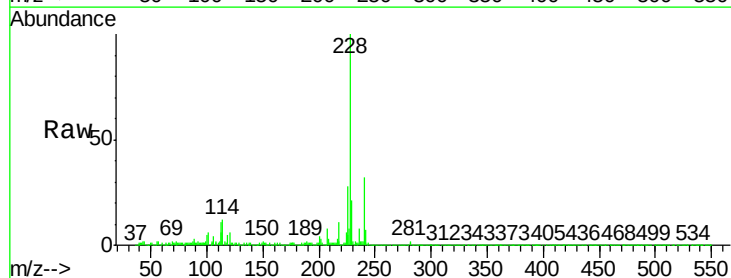
Instrument :
BNA_P
ClientSampleId :
BRICK-PILE

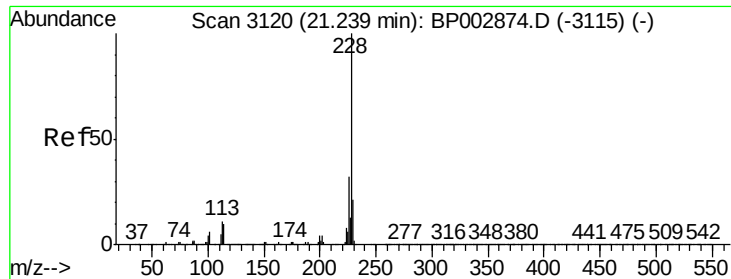
Tot Ion:149 Resp: 2058
Ion Ratio Lower Upper
149 100
91 76.2 45.3 67.9#
206 25.3 17.5 26.3



#81
Benzo(a)anthracene
Concen: 5.089 ng
RT: 21.15 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion:228 Resp: 668910
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 20.6 16.5 24.7

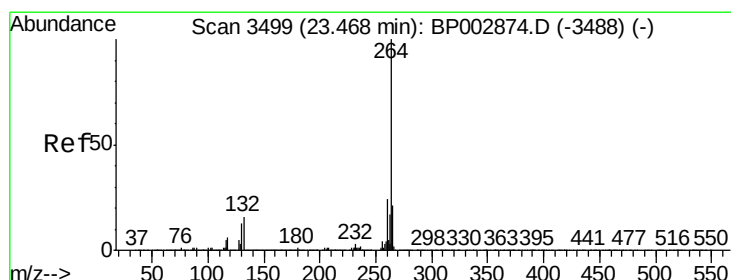
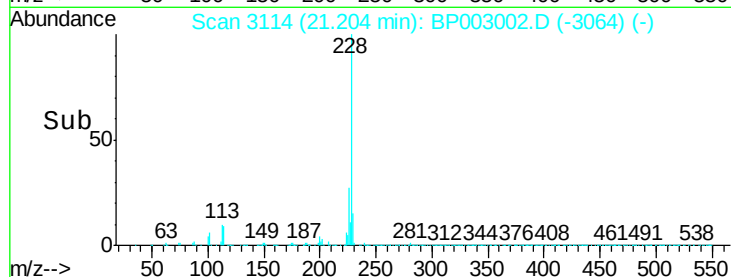
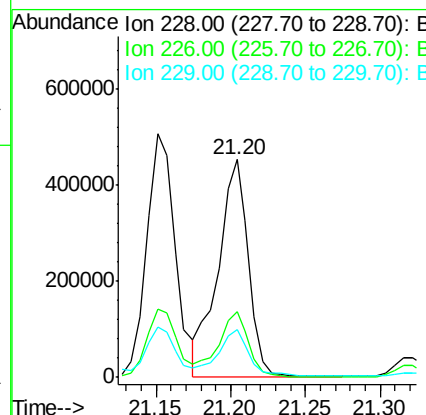
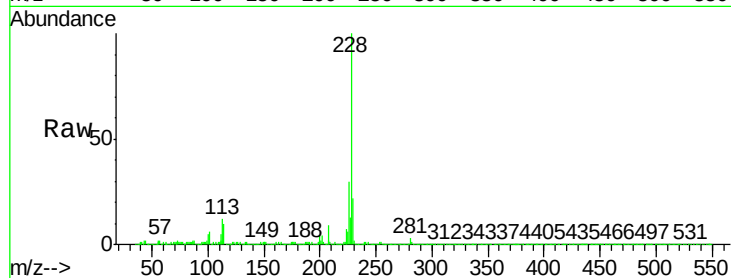




#83
Chrysene
Concen: 5.165 ng
RT: 21.20 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

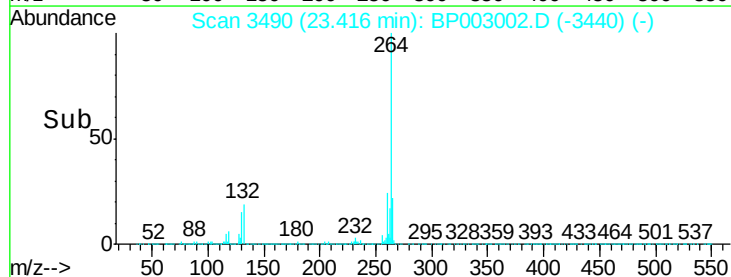
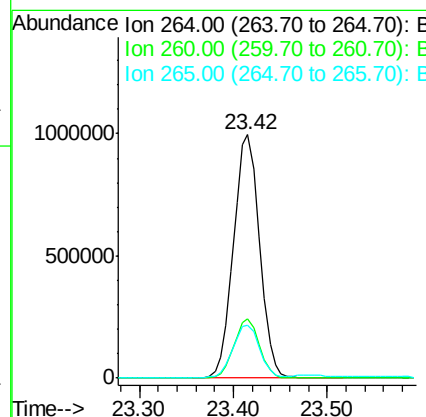
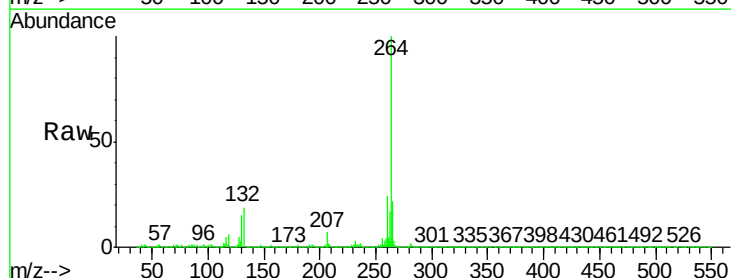
Instrument :
BNA_P
ClientSampleId :
BRICK-PILE

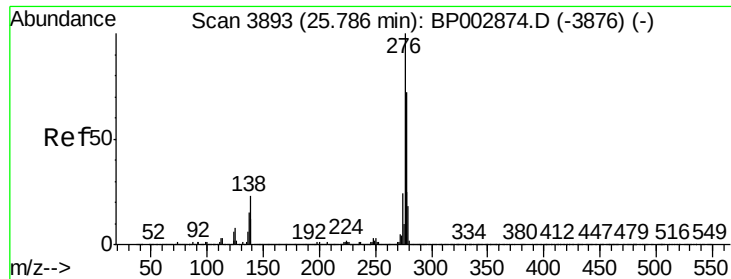
Tot Ion:228	Resp:	640433
Ion	Ratio	Lower Upper
228	100	
226	30.1	24.9 37.3
229	21.9	16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3490
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion:264	Resp:	1921633
Ion	Ratio	Lower Upper
264	100	
260	24.4	19.2 28.8
265	21.9	17.3 25.9

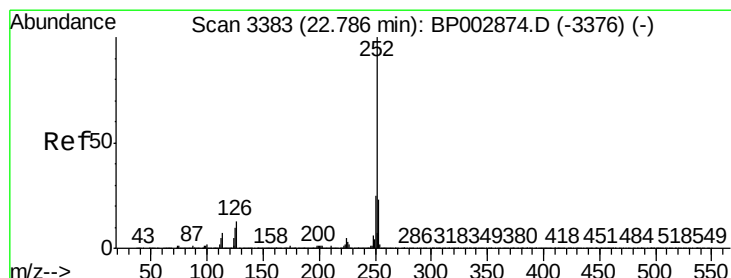
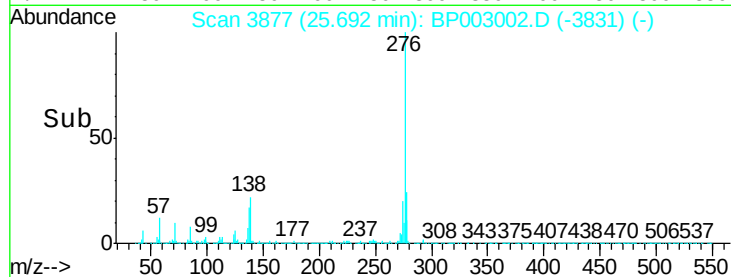
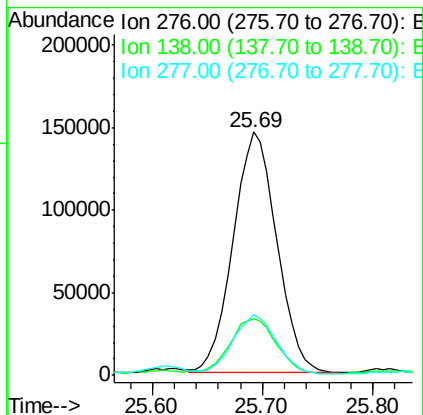
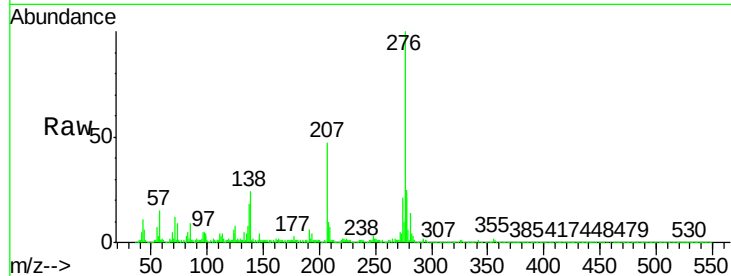




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.625 ng
 RT: 25.69 min Scan# 3877
 Delta R.T. -0.03 min
 Lab File: BP003002.D
 Acq: 17 Aug 2020 14:54

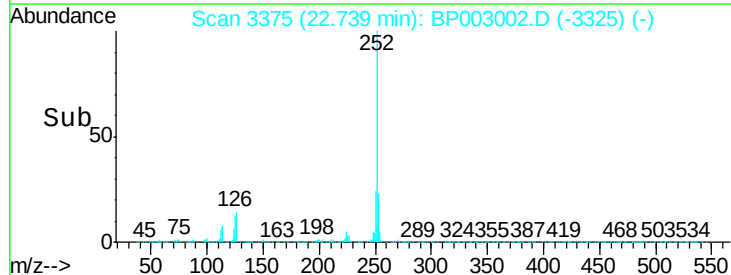
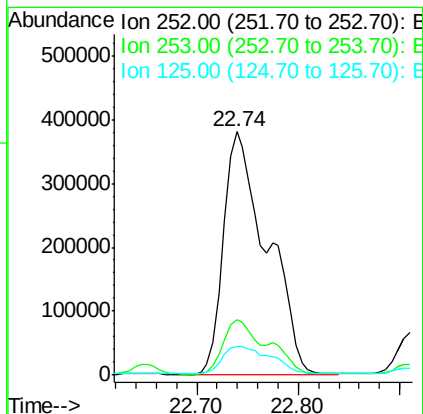
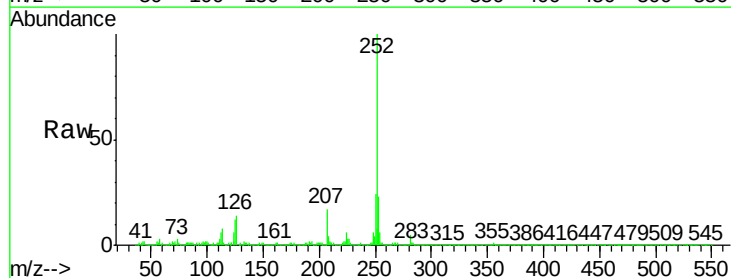
Instrument :
 BNA_P
 ClientSampleId :
 BRICK-PILE

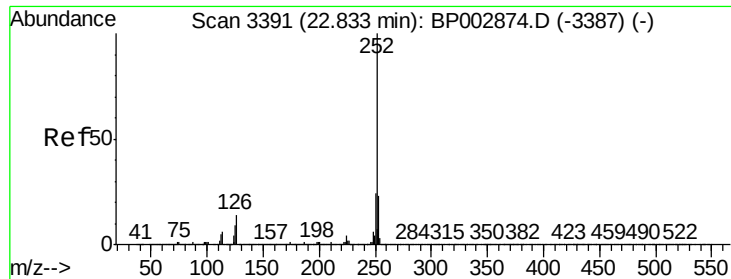
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	22.2	33.2
277	24.9	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 8.306 ng
 RT: 22.74 min Scan# 3375
 Delta R.T. -0.01 min
 Lab File: BP003002.D
 Acq: 17 Aug 2020 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	12.0	9.4	14.2

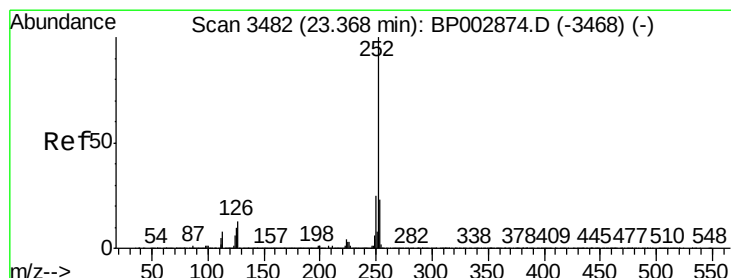
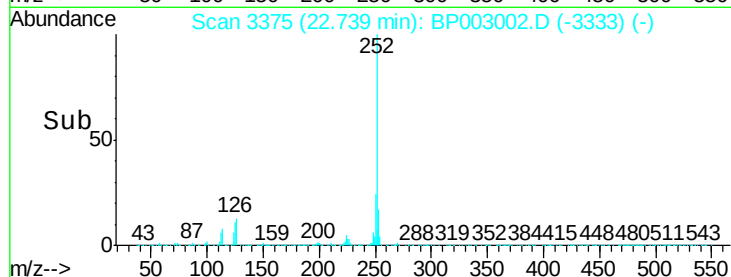
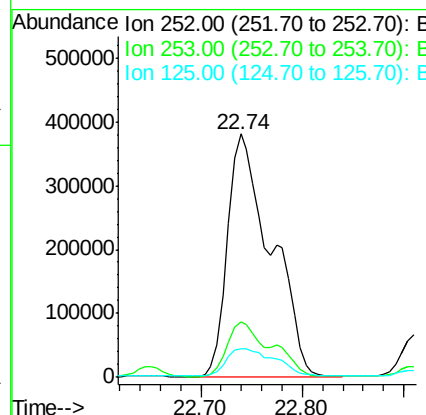
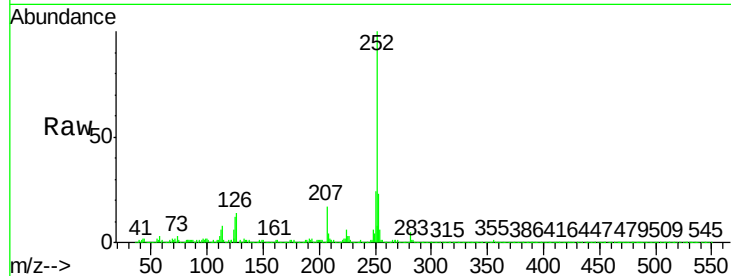




#89
Benzo(k)fluoranthene
Concen: 8.789 ng
RT: 22.74 min Scan# 3375
Delta R.T. -0.05 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

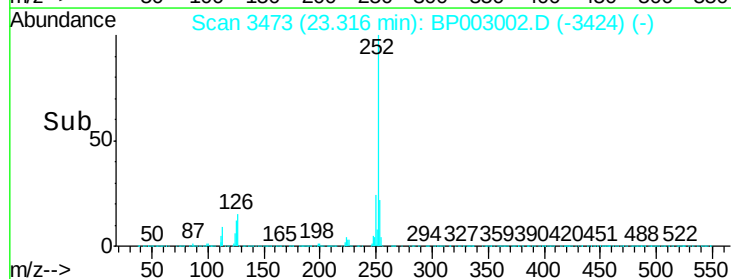
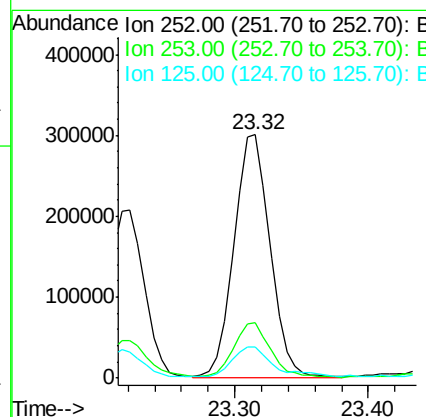
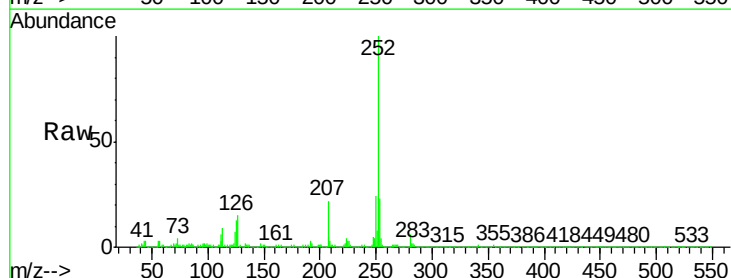
Instrument :
BNA_P
ClientSampleId :
BRICK-PILE

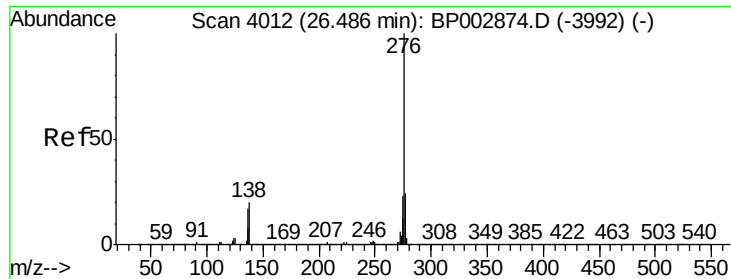
Tot Ion:252 Resp: 1126502
Ion Ratio Lower Upper
252 100
253 23.0 18.3 27.5
125 12.0 9.3 13.9



#90
Benzo(a)pyrene
Concen: 4.589 ng
RT: 23.32 min Scan# 3473
Delta R.T. -0.01 min
Lab File: BP003002.D
Acq: 17 Aug 2020 14:54

Tgt Ion:252 Resp: 562250
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 12.8 9.9 14.9





#92

Benzo(a,h,i)perylene

Concen: 2.989 ng

RT: 26.39 min Scan# 3996

Delta R.T. -0.03 min

Lab File: BP003002.D

Acq: 17 Aug 2020 14:54

Instrument :

BNA_P

ClientSampleId :

BRICK-PILE

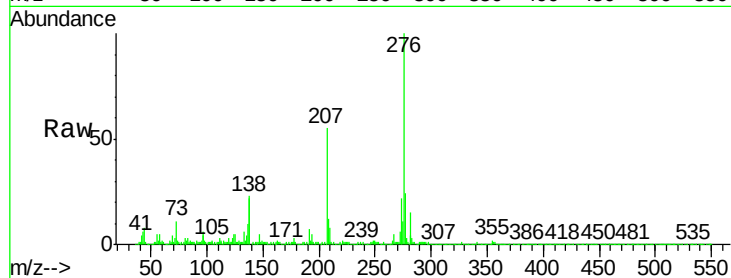
Tot Ion:276 Resp: 378610

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 22.6 19.3 28.9



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

