

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040122\
 Data File : BP009660.D
 Acq On : 01 Apr 2022 16:22
 Operator : CG/JU
 Sample : N2167-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RAIL-PILE-1

Quant Time: Apr 01 22:44:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

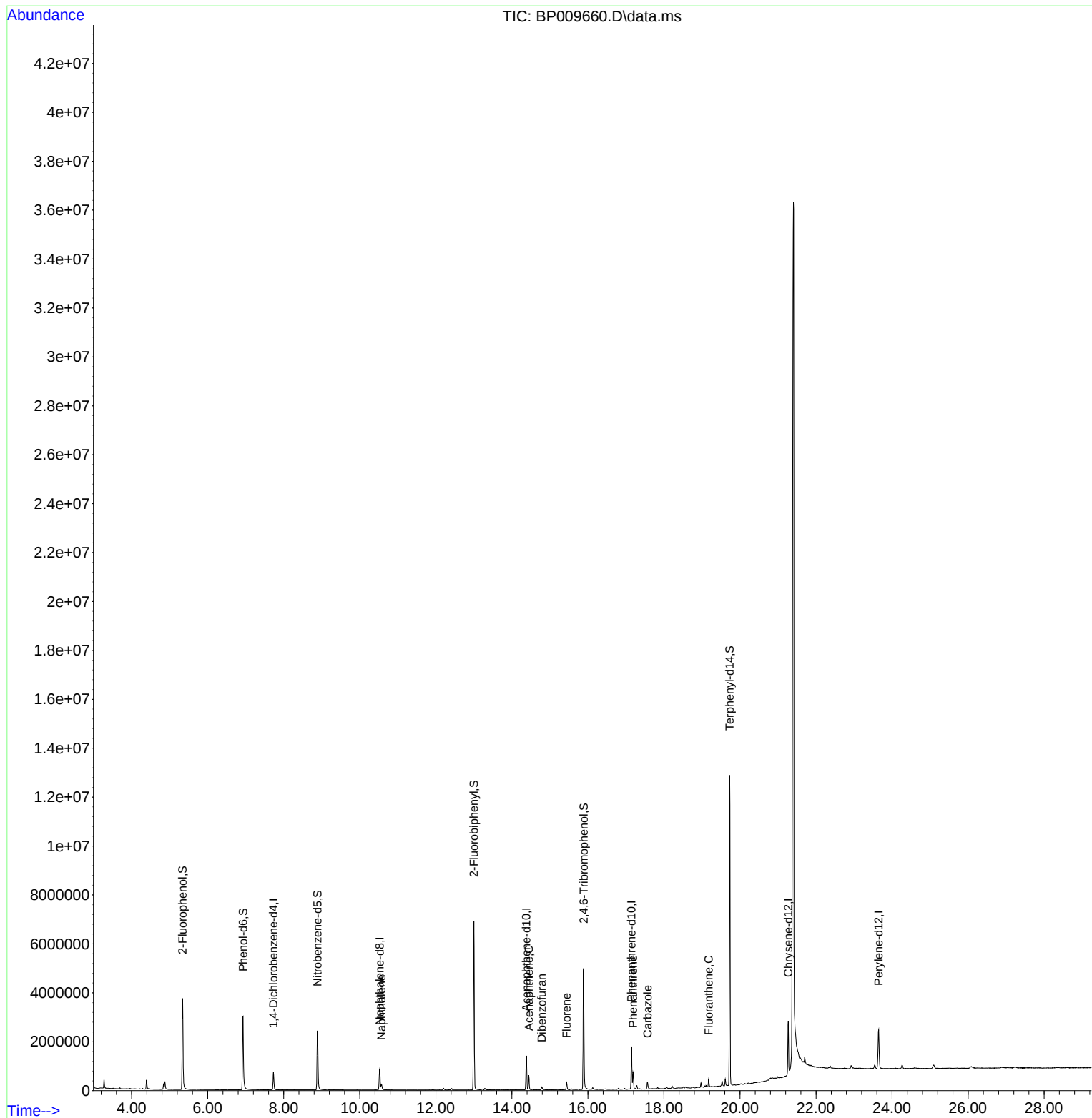
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	218528	20.000	ng	-0.01
21) Naphthalene-d8	10.522	136	853760	20.000	ng	-0.01
39) Acenaphthene-d10	14.381	164	524300	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1115734	20.000	ng	-0.01
76) Chrysene-d12	21.269	240	1180988	20.000	ng	0.00
86) Perylene-d12	23.645	264	1286025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	2008232	160.448	ng	0.00
7) Phenol-d6	6.928	99	2254190	133.174	ng	0.00
23) Nitrobenzene-d5	8.887	82	1698818	105.739	ng	-0.01
42) 2,4,6-Tribromophenol	15.887	330	1174584	135.761	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	3808607	100.703	ng	-0.01
79) Terphenyl-d14	19.728	244	6395933	97.207	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.569	128	211660	4.813	ng	98
52) Acenaphthene	14.446	154	224917	7.920	ng	97
55) Dibenzofuran	14.787	168	103397	2.167	ng	99
58) Fluorene	15.440	166	150412	4.009	ng	98
71) Phenanthrene	17.187	178	460832	7.716	ng	100
73) Carbazole	17.569	167	240738	4.174	ng	99
75) Fluoranthene	19.175	202	202195	2.796	ng	98

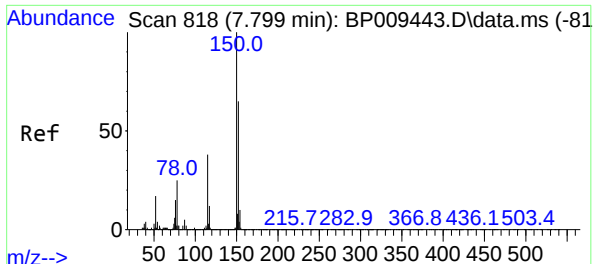
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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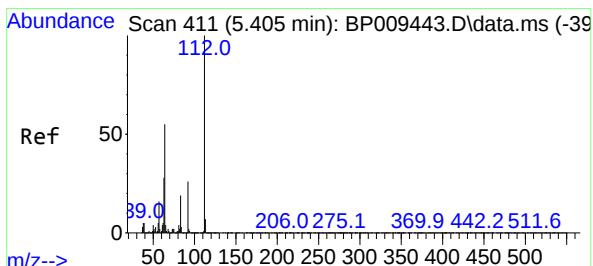
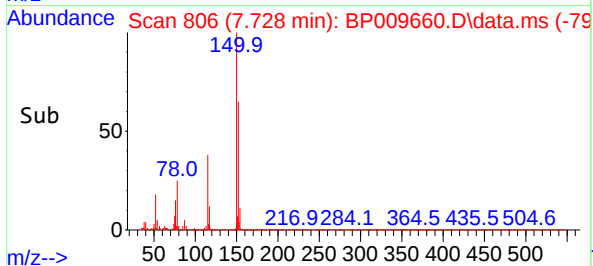
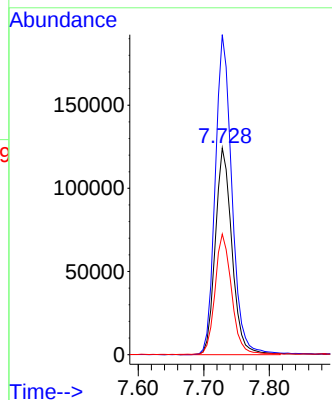
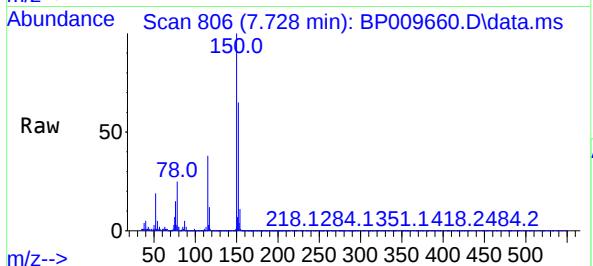




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

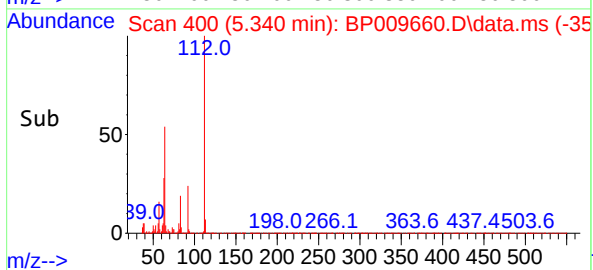
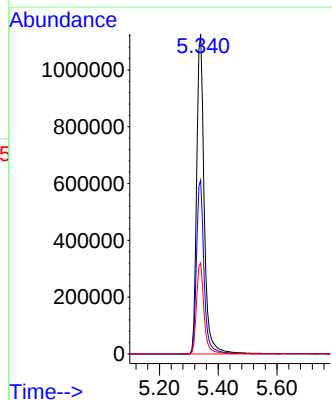
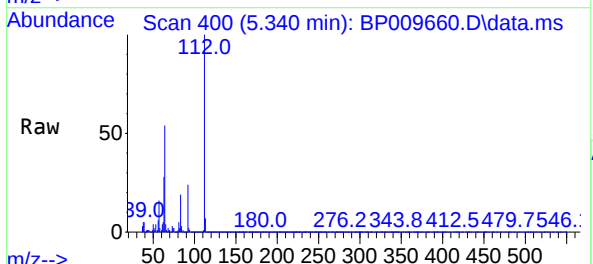
Instrument :
BNA_P
ClientSampleId :
RAIL-PILE-1

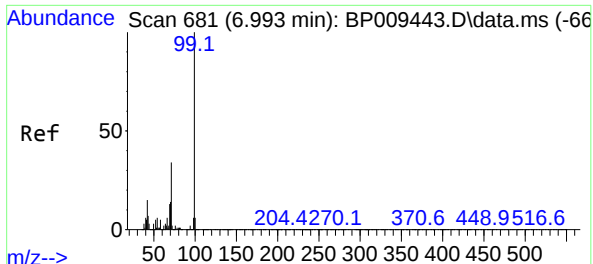
Tgt Ion:152 Resp: 218528
Ion Ratio Lower Upper
152 100
150 154.8 124.5 186.7
115 58.4 48.2 72.4



#5
2-Fluorophenol
Concen: 160.448 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.006 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

Tgt Ion:112 Resp: 2008232
Ion Ratio Lower Upper
112 100
64 54.4 45.0 67.4
63 28.5 23.0 34.6

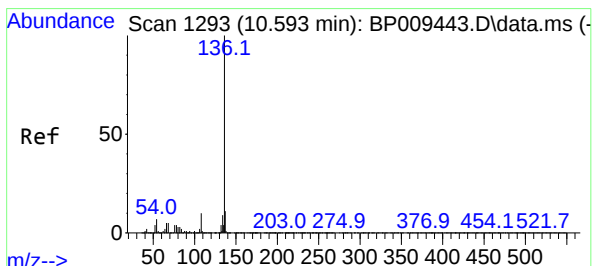
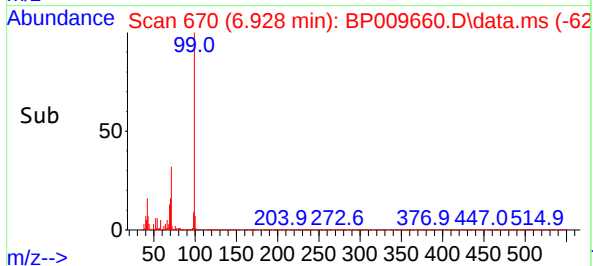
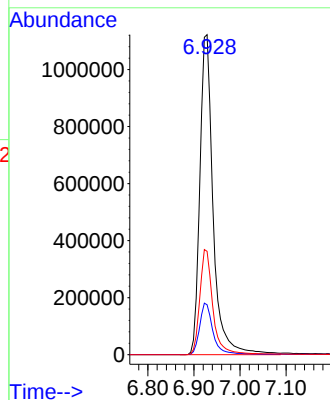
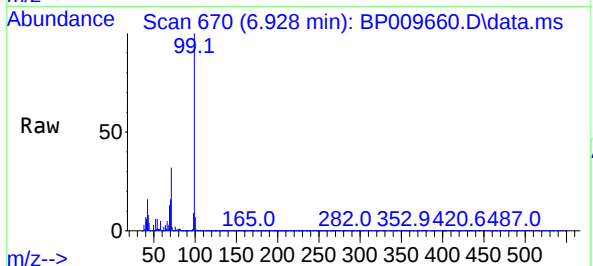




#7
Phenol-d6
Concen: 133.174 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

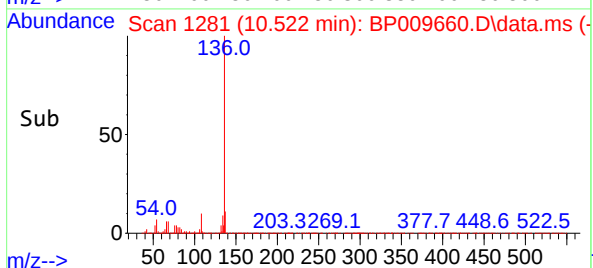
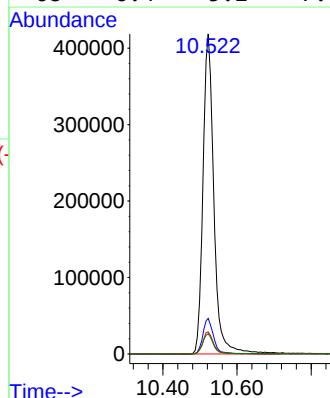
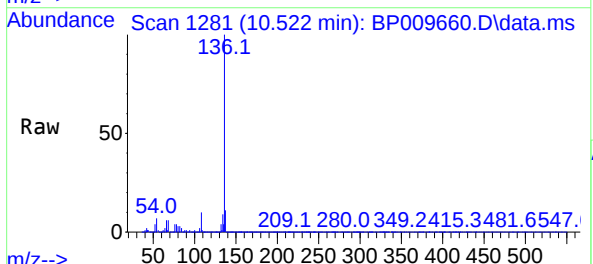
Instrument :
BNA_P
ClientSampleId :
RAIL-PILE-1

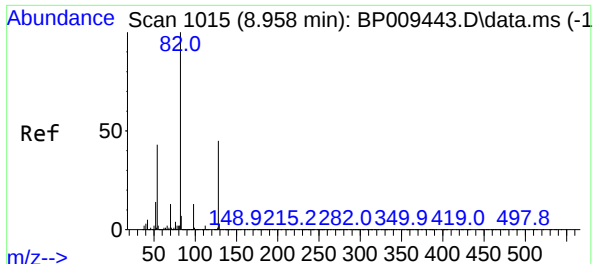
Tgt Ion: 99 Resp: 2254190
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 32.3 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

Tgt Ion: 136 Resp: 853760
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.9 5.8 8.8
68 6.4 5.2 7.8

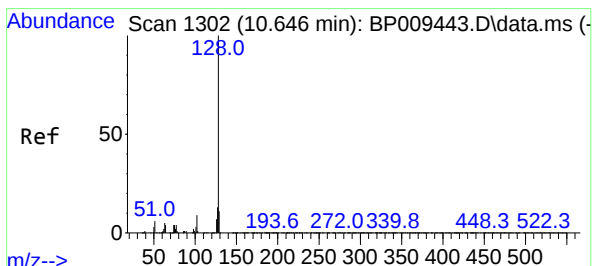
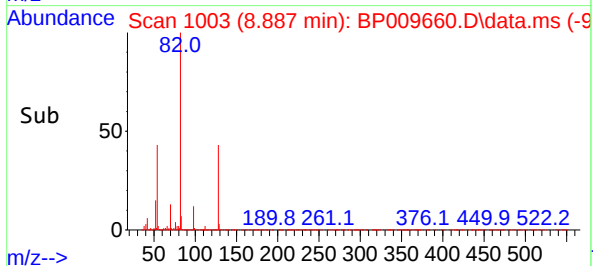
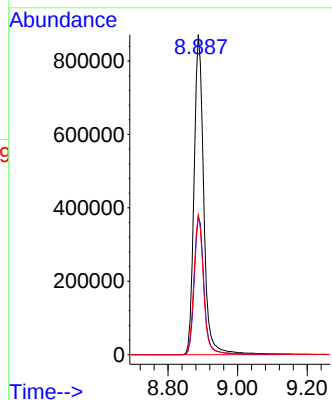
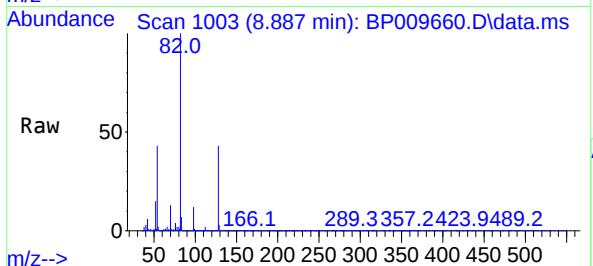




#23
Nitrobenzene-d5
Concen: 105.739 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

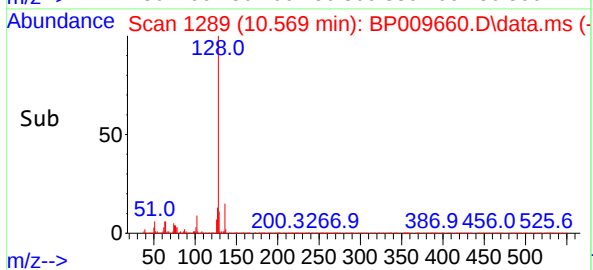
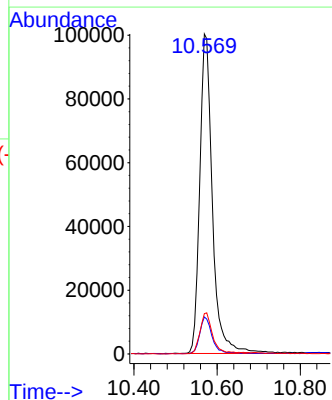
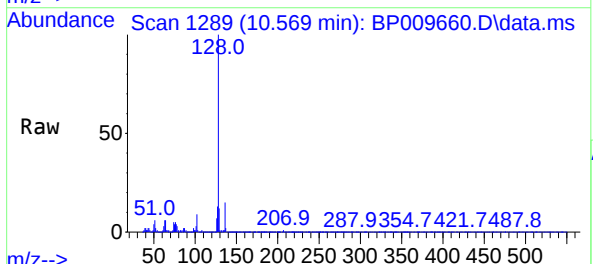
Instrument :
BNA_P
ClientSampleId :
RAIL-PILE-1

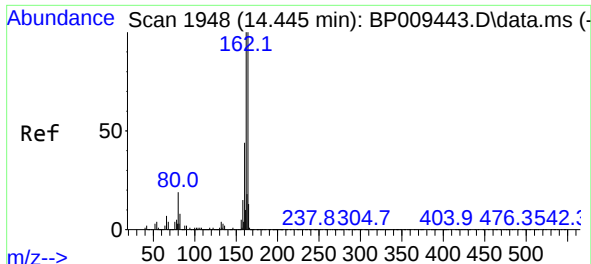
Tgt Ion: 82 Resp: 1698818
Ion Ratio Lower Upper
82 100
128 43.3 34.2 51.4
54 43.5 34.7 52.1



#31
Naphthalene
Concen: 4.813 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

Tgt Ion: 128 Resp: 211660
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 12.6 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.381 min Scan# 1937

Delta R.T. -0.012 min

Lab File: BP009660.D

Acq: 01 Apr 2022 16:22

Instrument :

BNA_P

ClientSampleId :

RAIL-PILE-1

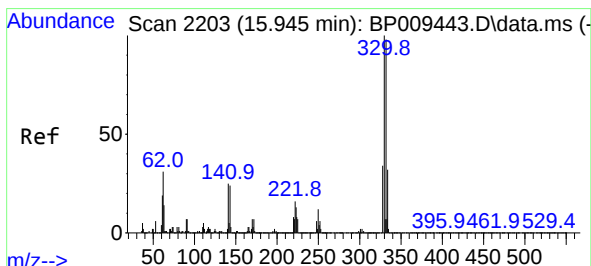
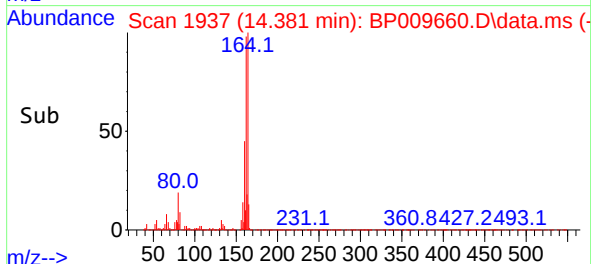
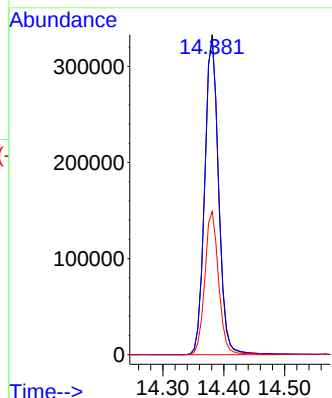
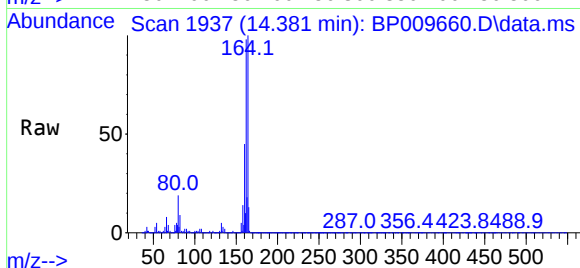
Tgt Ion:164 Resp: 524300

Ion Ratio Lower Upper

164 100

162 98.0 79.1 118.7

160 44.8 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 135.761 ng

RT: 15.887 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BP009660.D

Acq: 01 Apr 2022 16:22

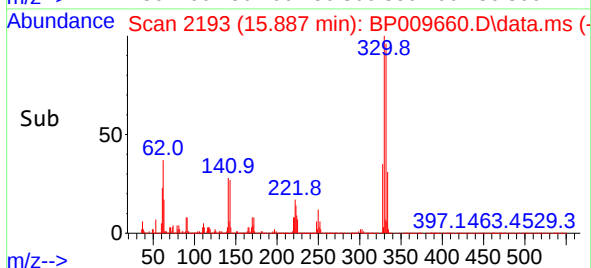
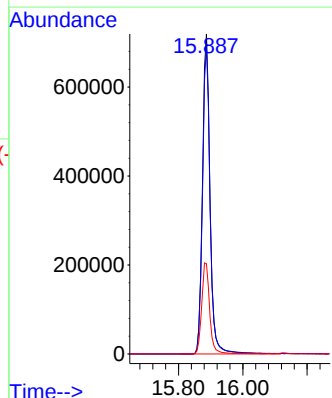
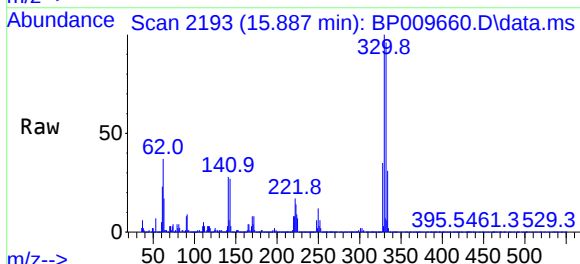
Tgt Ion:330 Resp: 1174584

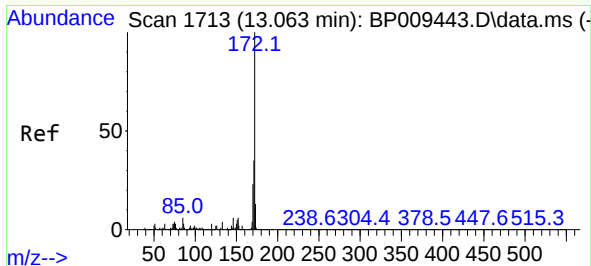
Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

141 29.8 27.6 41.4

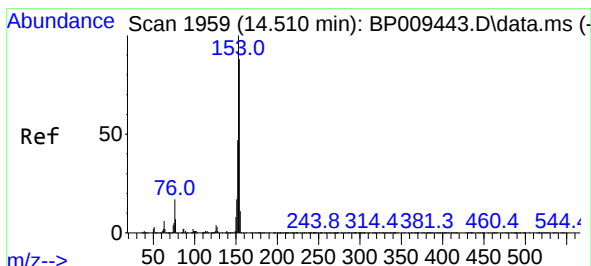
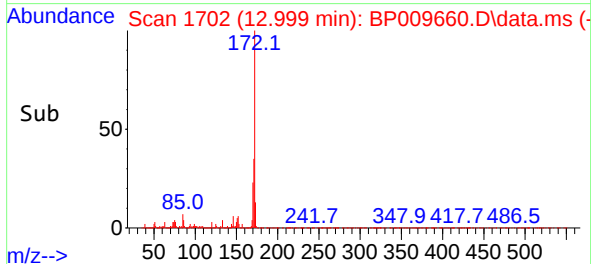
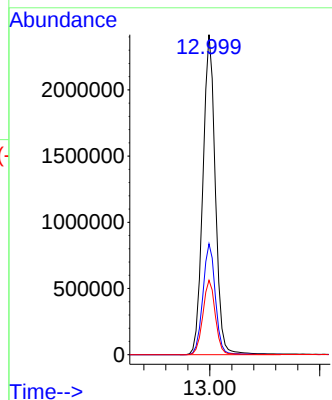
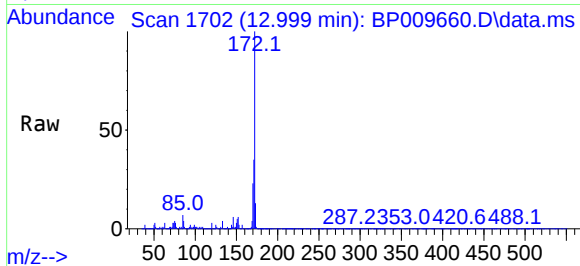




#45
2-Fluorobiphenyl
Concen: 100.703 ng
RT: 12.999 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

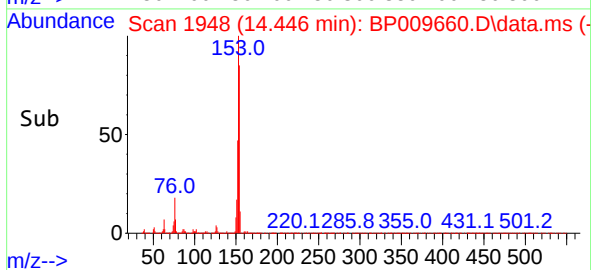
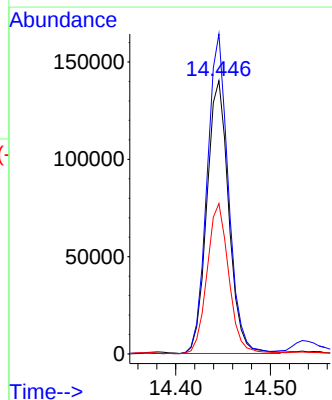
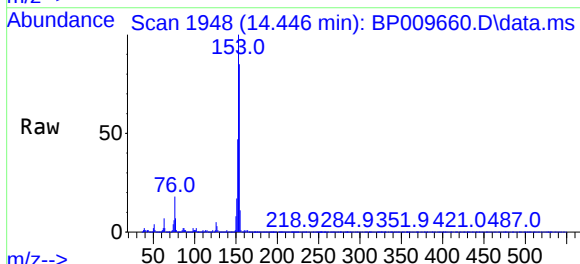
Instrument :
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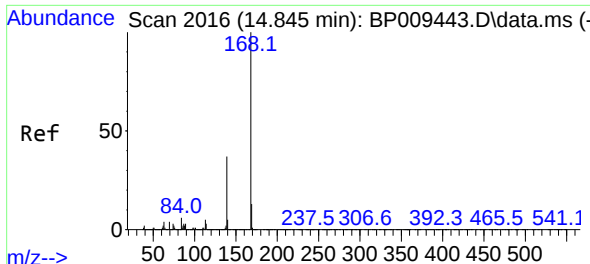
Tgt Ion:172 Resp: 3808607
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.3 18.6 27.8



#52
Acenaphthene
Concen: 7.920 ng
RT: 14.446 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

Tgt Ion:154 Resp: 224917
Ion Ratio Lower Upper
154 100
153 117.1 90.2 135.4
152 55.0 42.7 64.1

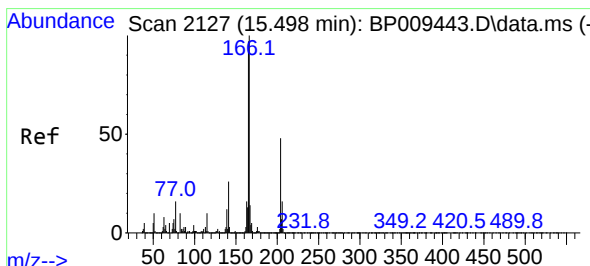
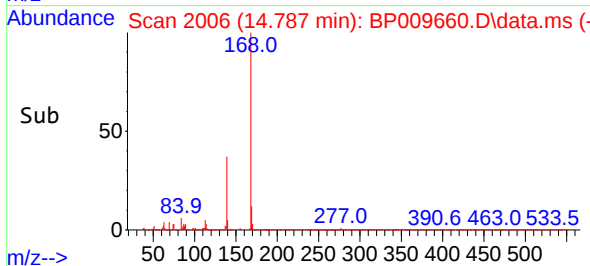
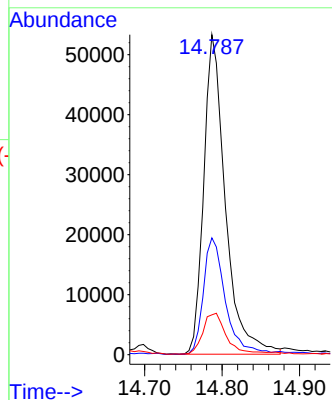
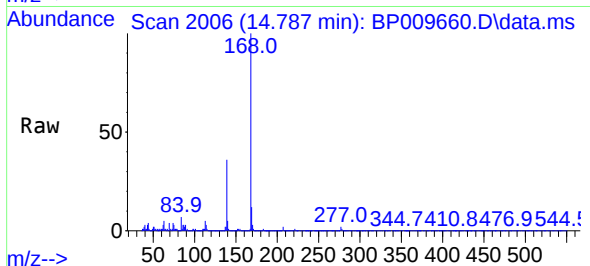




#55
Dibenzenofuran
Concen: 2.167 ng
RT: 14.787 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

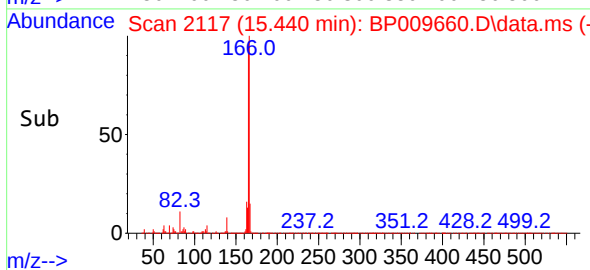
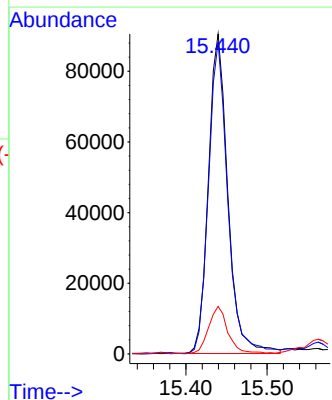
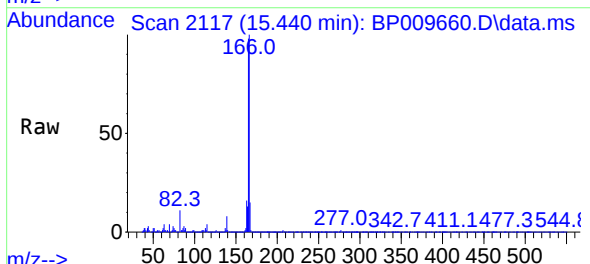
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BNA_P
ClientSampleId :
RAIL-PILE-1

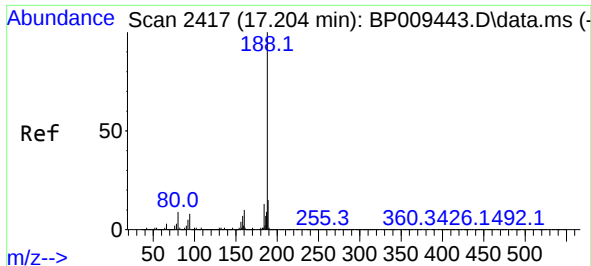
Tgt Ion:168 Resp: 103397
Ion Ratio Lower Upper
168 100
139 36.5 29.1 43.7
169 12.4 10.6 16.0



#58
Fluorene
Concen: 4.009 ng
RT: 15.440 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

Tgt Ion:166 Resp: 150412
Ion Ratio Lower Upper
166 100
165 97.5 79.2 118.8
167 14.8 10.7 16.1

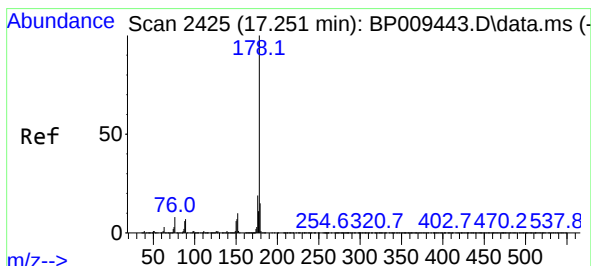
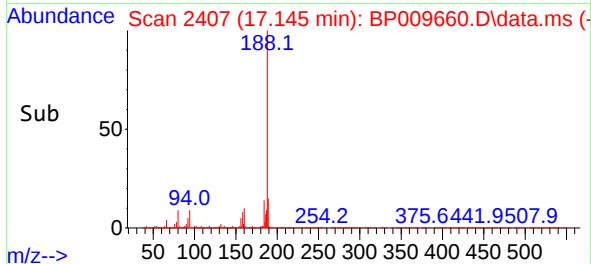
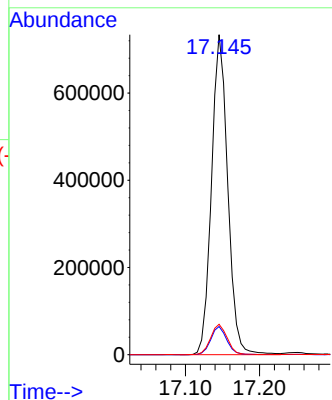
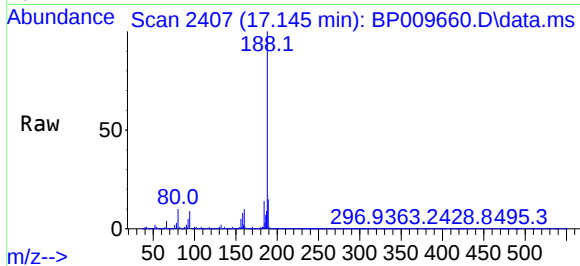




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

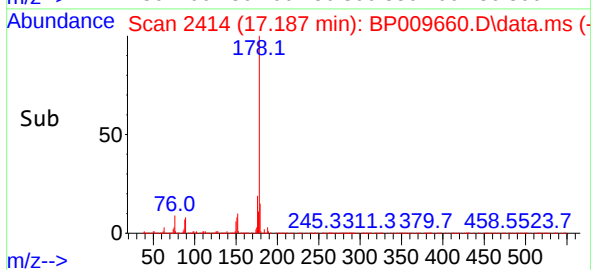
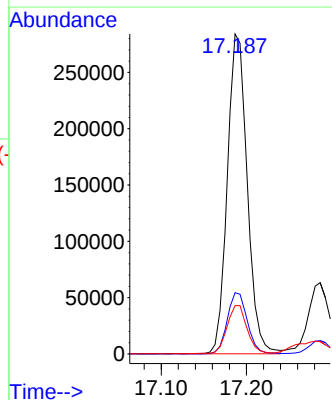
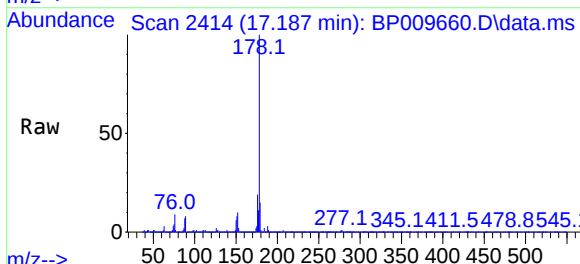
Instrument :
BNA_P
ClientSampleId :
RAIL-PILE-1

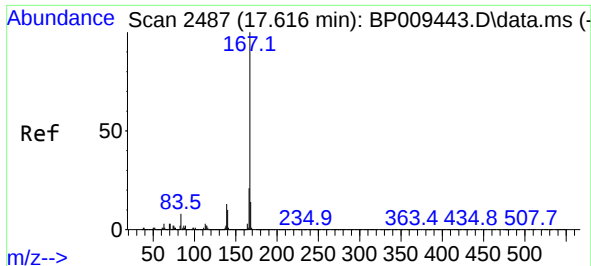
Tgt Ion:188 Resp: 1115734
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.5 8.8 13.2



#71
Phenanthrene
Concen: 7.716 ng
RT: 17.187 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

Tgt Ion:178 Resp: 460832
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.1 12.3 18.5

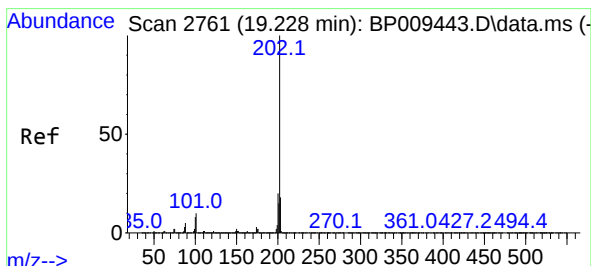
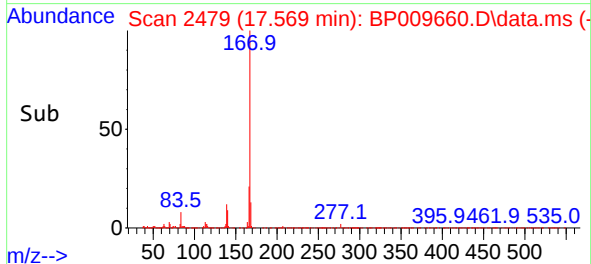
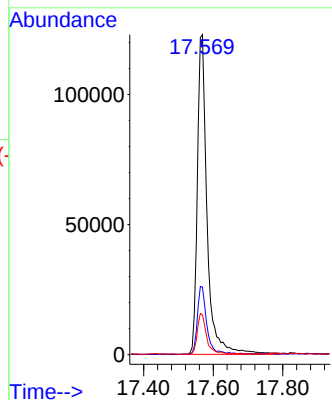
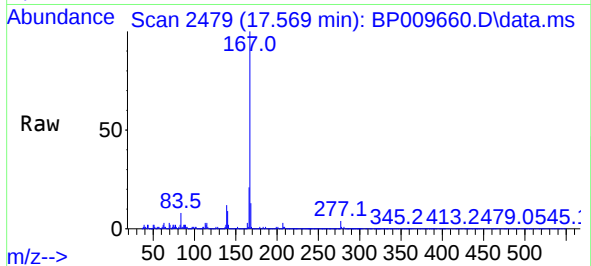




#73
Carbazole
Concen: 4.174 ng
RT: 17.569 min Scan# 2487
Delta R.T. 0.000 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

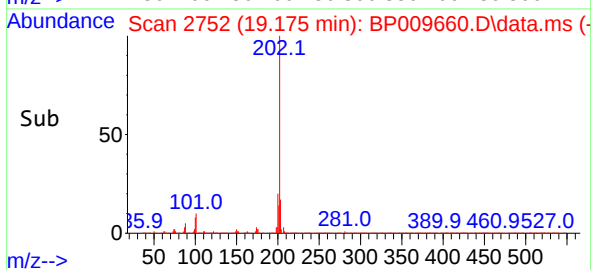
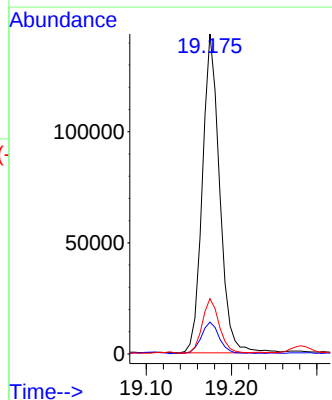
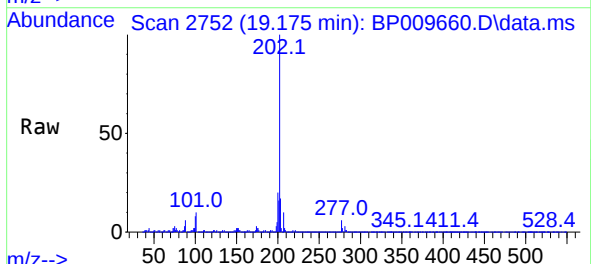
Instrument :
BNA_P
ClientSampleId :
RAIL-PILE-1

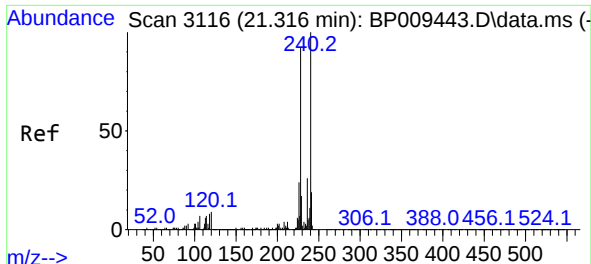
Tgt Ion:167 Resp: 240738
Ion Ratio Lower Upper
167 100
166 21.1 17.2 25.8
139 12.4 10.3 15.5



#75
Fluoranthene
Concen: 2.796 ng
RT: 19.175 min Scan# 2752
Delta R.T. -0.006 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

Tgt Ion:202 Resp: 202195
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.5
203 17.3 0.0 37.8

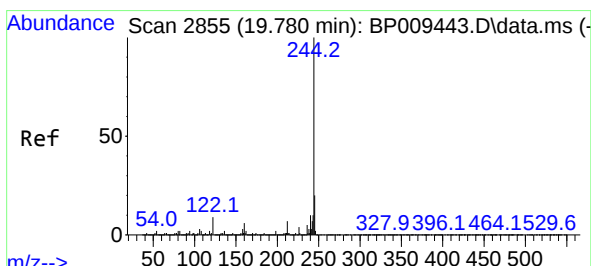
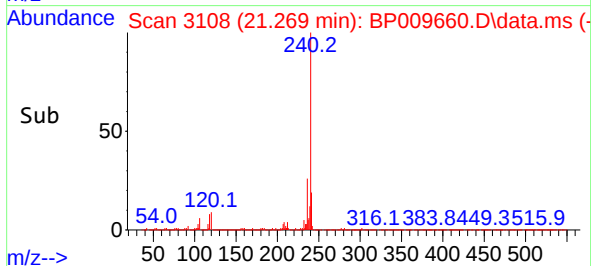
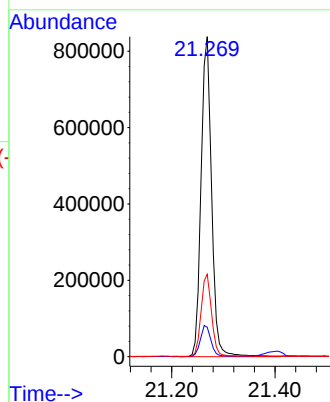
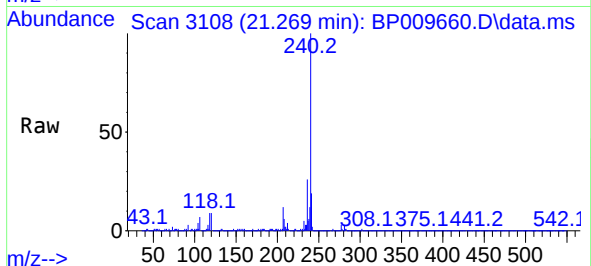




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

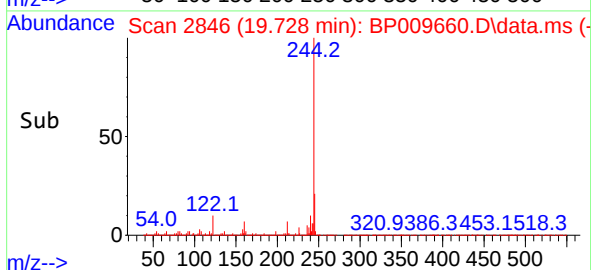
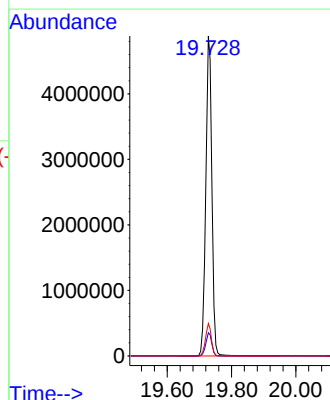
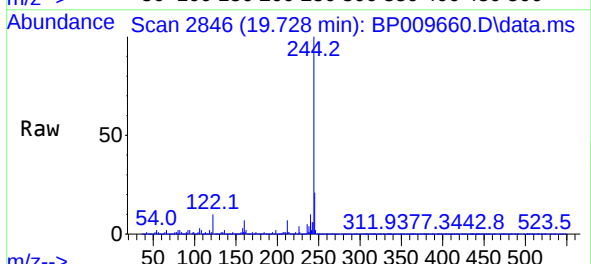
Instrument :
BNA_P
ClientSampleId :
RAIL-PILE-1

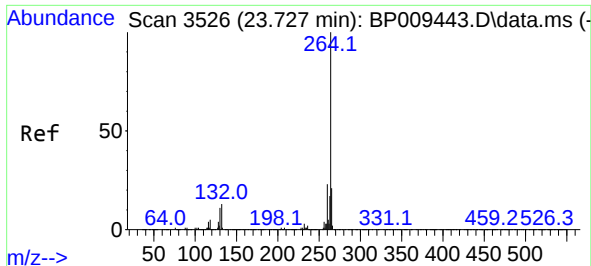
Tgt Ion:240 Resp: 1180988
Ion Ratio Lower Upper
240 100
120 9.2 9.0 13.4
236 25.8 20.6 30.8



#79
Terphenyl-d14
Concen: 97.207 ng
RT: 19.728 min Scan# 2846
Delta R.T. -0.012 min
Lab File: BP009660.D
Acq: 01 Apr 2022 16:22

Tgt Ion:244 Resp: 6395933
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 10.2 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.645 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BP009660.D
 Acq: 01 Apr 2022 16:22

Instrument :
 BNA_P
 ClientSampleId :
 RAIL-PILE-1

Tgt Ion:264 Resp: 1286025
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.0
 265 22.2 17.2 25.8

