

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070821\
 Data File : BP006149.D
 Acq On : 08 Jul 2021 20:25
 Operator : CG/JU
 Sample : M2947-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-PILE-8

Quant Time: Jul 09 04:30:13 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 07 16:08:13 2021
 Response via : Initial Calibration

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

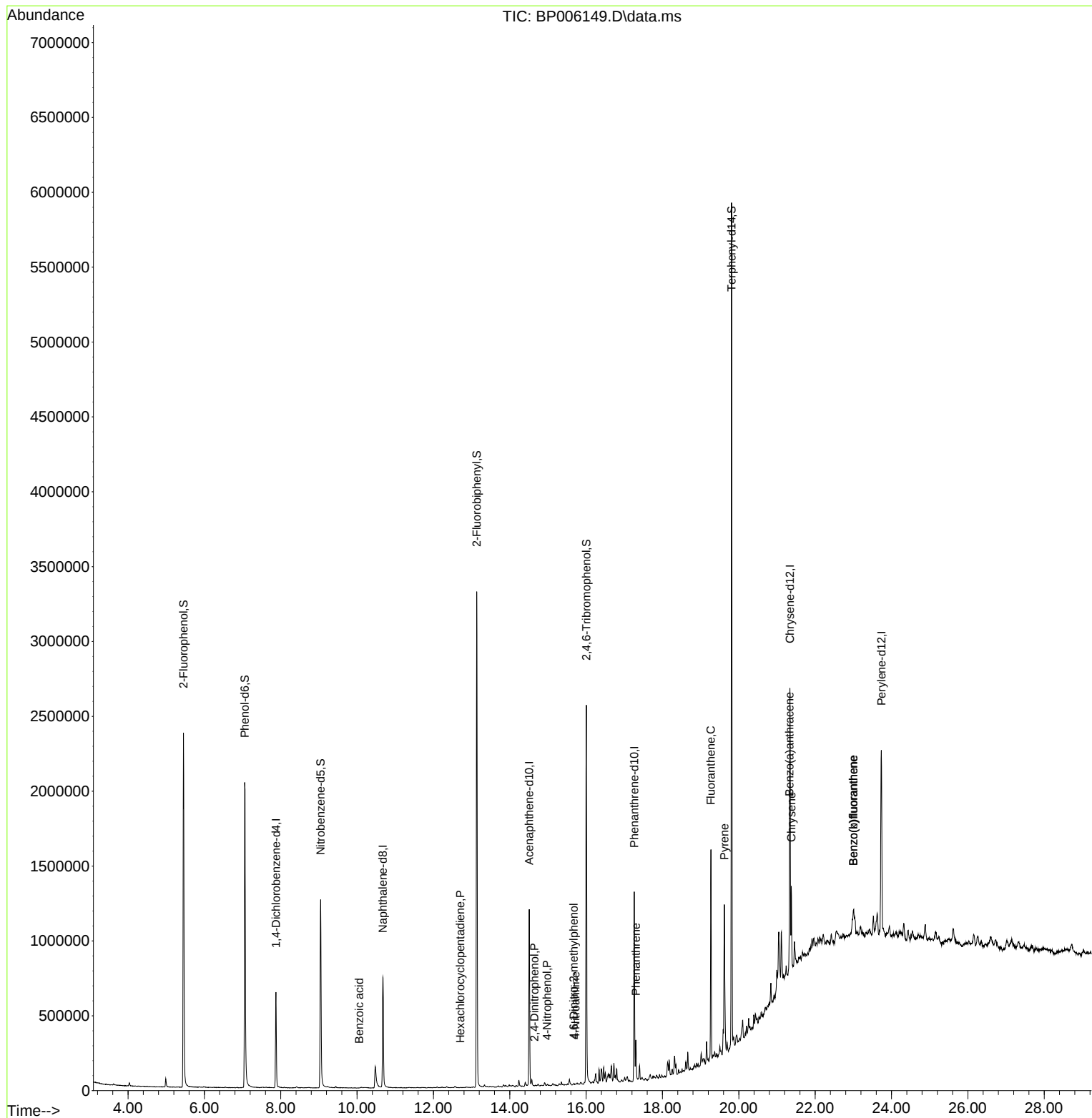
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	188351	20.00	ng	0.00
21) Naphthalene-d8	10.675	136	713447	20.00	ng	0.00
39) Acenaphthene-d10	14.510	164	397881	20.00	ng	0.00
64) Phenanthrene-d10	17.263	188	767297	20.00	ng	# 0.00
76) Chrysene-d12	21.339	240	772558	20.00	ng	# 0.00
86) Perylene-d12	23.733	264	890931	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	1195505	109.21	ng	0.00
7) Phenol-d6	7.058	99	1413070	97.59	ng	0.00
23) Nitrobenzene-d5	9.046	82	799939	70.82	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	489577	103.35	ng	0.00
45) 2-Fluorobiphenyl	13.134	172	1755156	65.21	ng	0.00
79) Terphenyl-d14	19.810	244	2455865	62.68	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.058	122	24	6.91	ng	# 1
41) Hexachlorocyclopentadiene	12.704	237	11	8.70	ng	94
54) 2,4-Dinitrophenol	14.646	184	13	8.88	ng	# 1
56) 4-Nitrophenol	14.981	139	152	7.15	ng	94
62) 4-Nitroaniline	15.722	138	150	2.98	ng	84
65) 4,6-Dinitro-2-methylph...	15.675	198	66	4.43	ng	# 1
71) Phenanthrene	17.304	178	162299	3.75	ng	100
75) Fluoranthene	19.269	202	757477	15.95	ng	95
78) Pyrene	19.622	202	573175	10.98	ng	99
81) Benzo(a)anthracene	21.328	228	162270	3.32	ng	98
83) Chrysene	21.375	228	278761	5.77	ng	97
88) Benzo(b)fluoranthene	23.004	252	171430	3.17	ng	# 85
89) Benzo(k)fluoranthene	23.004	252	171430	3.25	ng	# 85

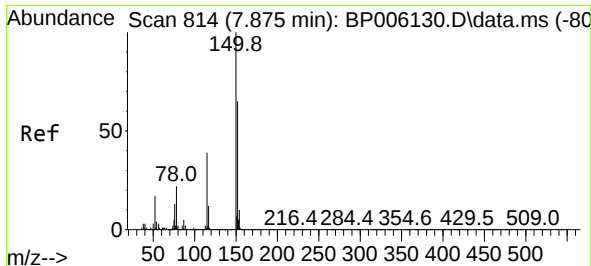
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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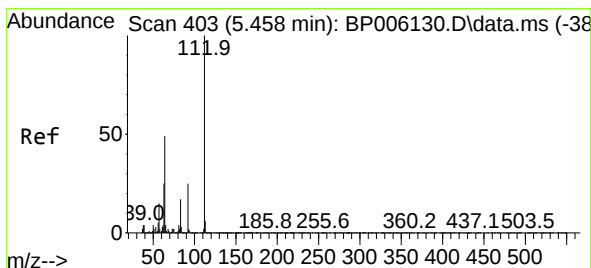
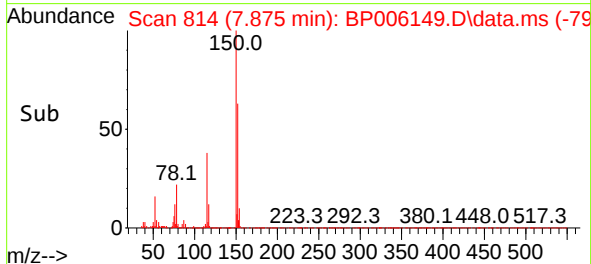
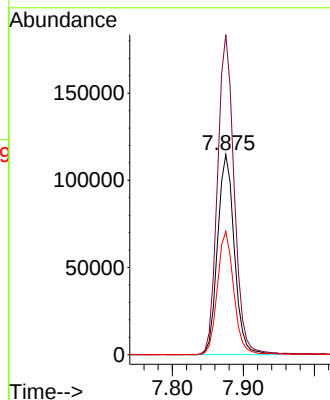
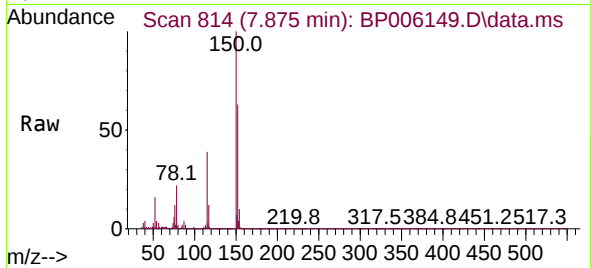




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.875 min Scan# 814
Delta R.T. 0.000 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

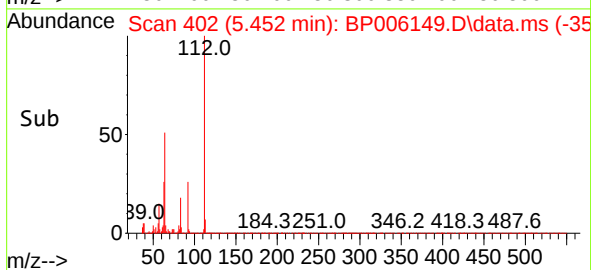
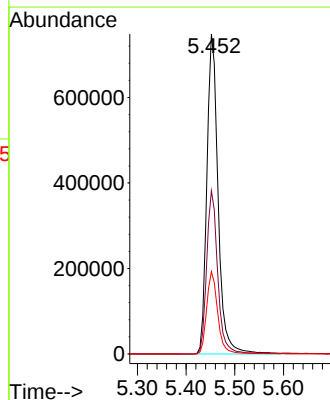
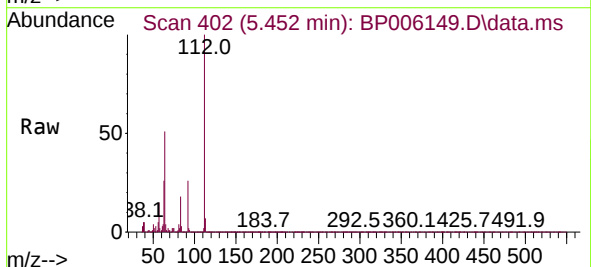
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

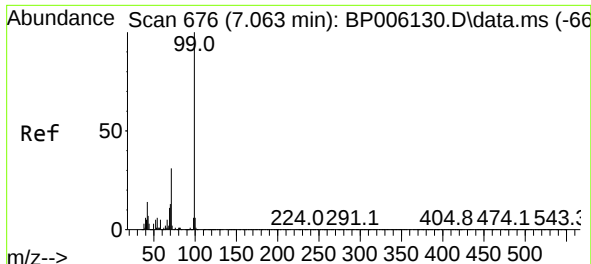
Tgt Ion:152 Resp: 188351
Ion Ratio Lower Upper
152 100
150 159.9 125.6 188.4
115 61.6 48.5 72.7



#5
2-Fluorophenol
Concen: 109.21 ng
RT: 5.452 min Scan# 402
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:112 Resp: 1195505
Ion Ratio Lower Upper
112 100
64 51.0 41.4 62.2
63 25.8 23.8 35.8

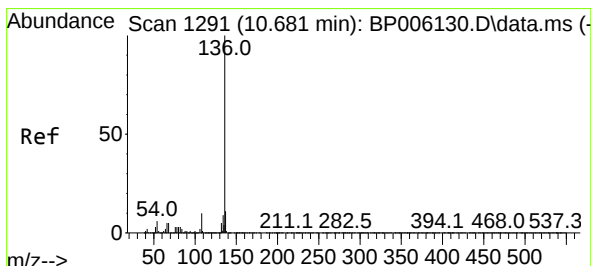
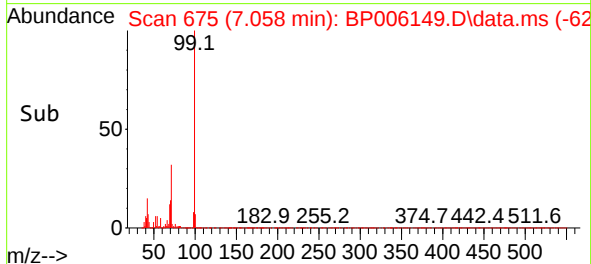
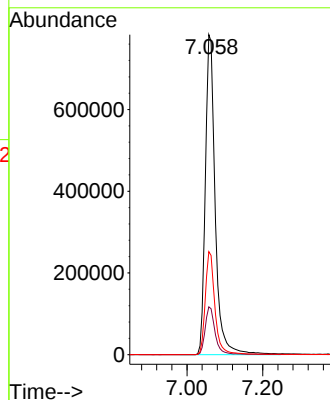
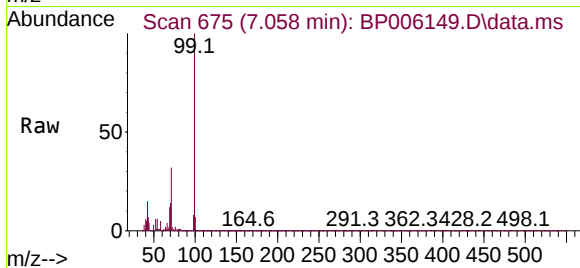




#7
Phenol-d6
Concen: 97.59 ng
RT: 7.058 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

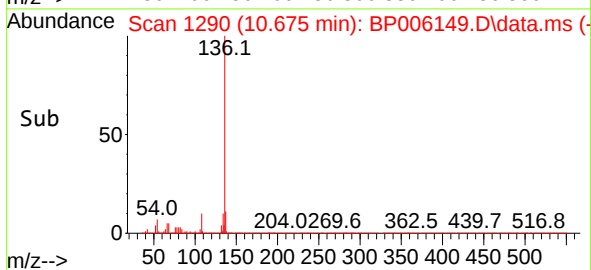
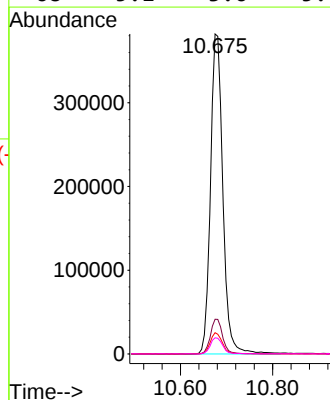
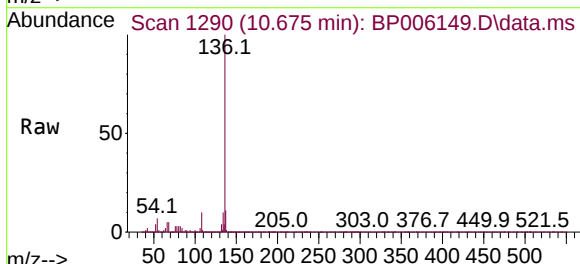
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

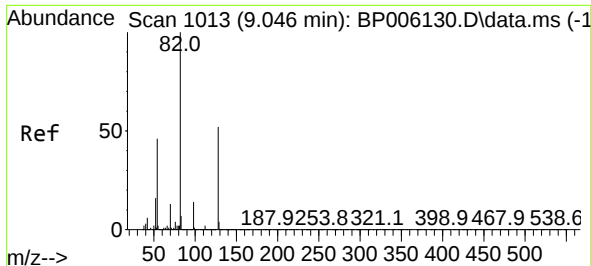
Tgt Ion: 99 Resp: 1413070
Ion Ratio Lower Upper
99 100
42 14.9 13.4 20.0
71 32.2 30.6 46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.675 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion: 136 Resp: 713447
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 6.6 4.6 6.8
68 5.1 3.6 5.4

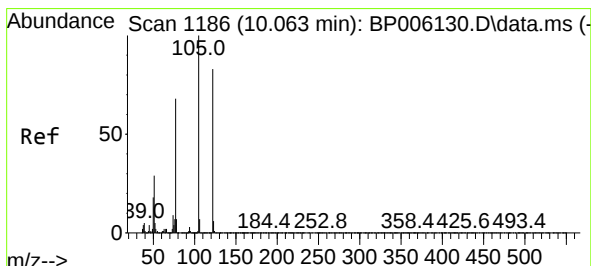
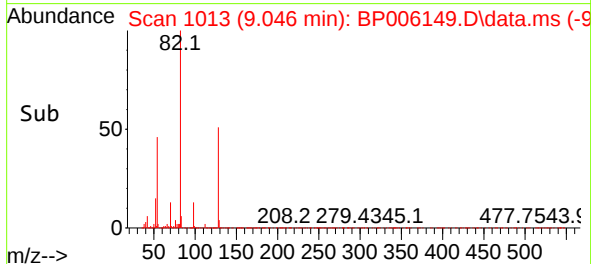
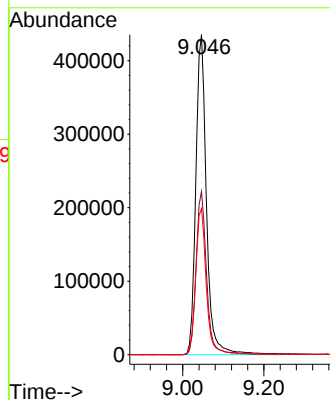
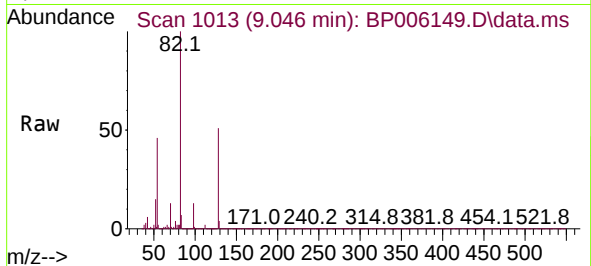




#23
Nitrobenzene-d5
Concen: 70.82 ng
RT: 9.046 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

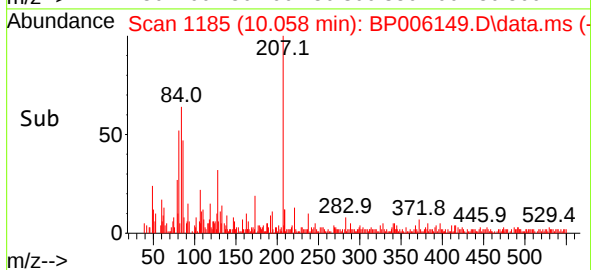
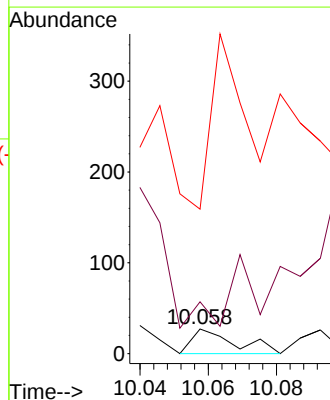
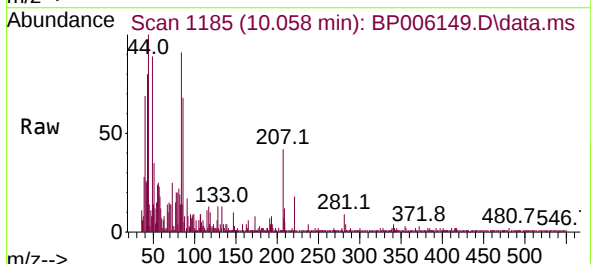
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

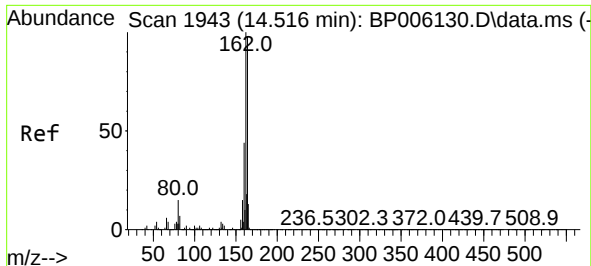
Tgt Ion: 82 Resp: 799939
Ion Ratio Lower Upper
82 100
128 51.0 35.7 53.5
54 45.6 35.0 52.4



#32
Benzoic acid
Concen: 6.91 ng
RT: 10.058 min Scan# 1185
Delta R.T. -0.005 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:122 Resp: 24
Ion Ratio Lower Upper
122 100
105 211.1 103.2 143.2#
77 588.9 76.2 116.2#

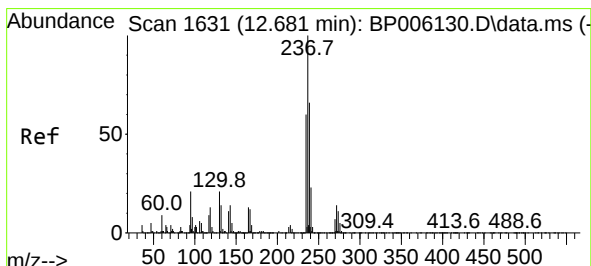
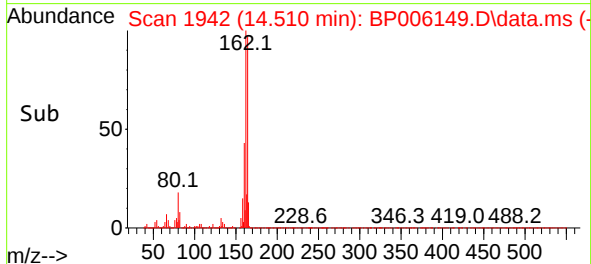
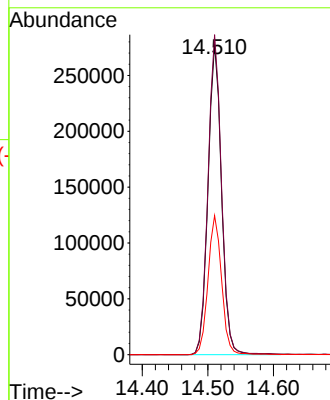
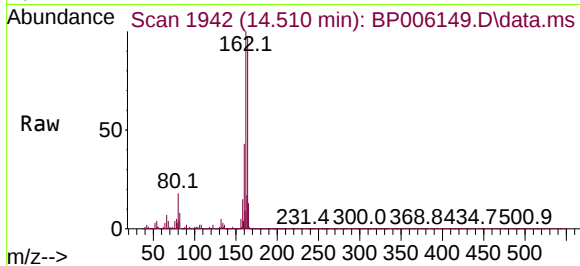




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

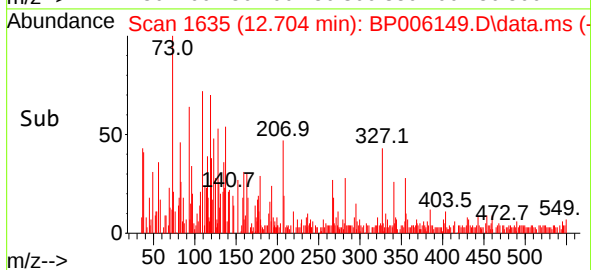
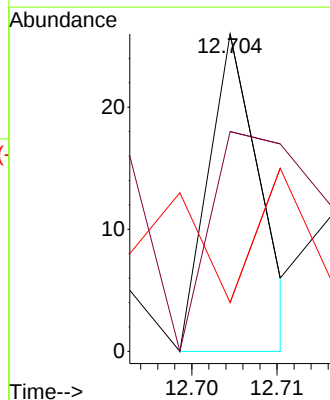
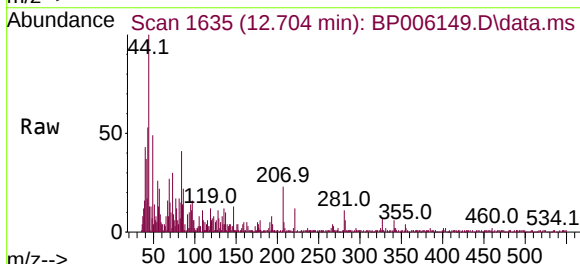
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ClientSampleId :
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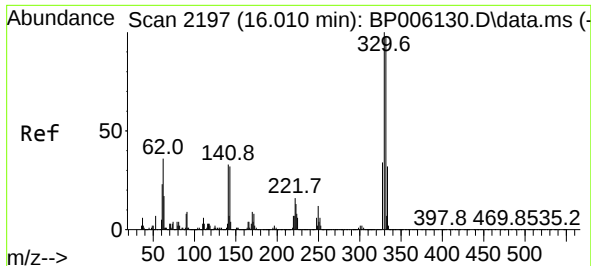
Tgt Ion:	164	Resp:	397881
Ion Ratio	Lower	Upper	
164	100		
162	103.1	80.2	120.2
160	44.8	34.5	51.7



#41
Hexachlorocyclopentadiene
Concen: 8.70 ng
RT: 12.704 min Scan# 1635
Delta R.T. 0.023 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:	237	Resp:	11
Ion Ratio	Lower	Upper	
237	100		
235	69.2	44.5	84.5
272	15.4	0.0	32.5

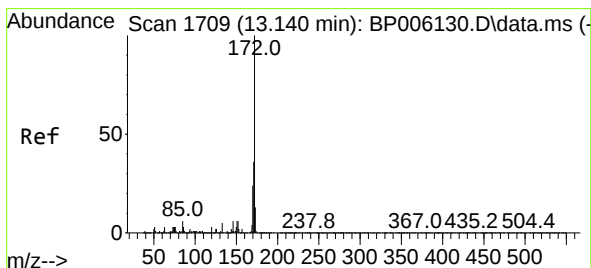
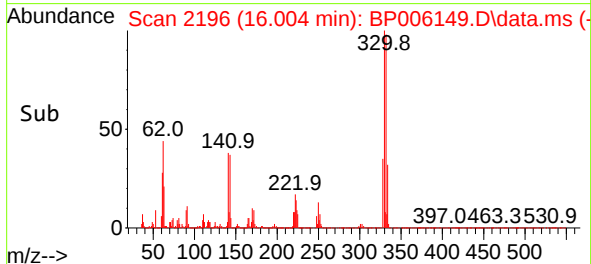
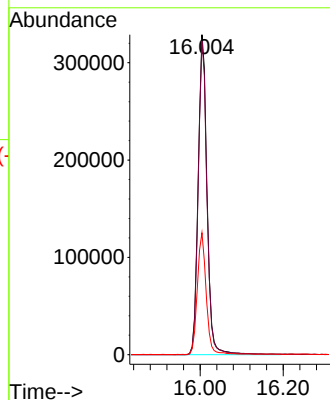
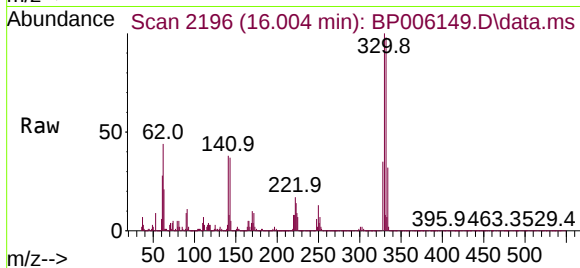




#42
2,4,6-Tribromophenol
Concen: 103.35 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

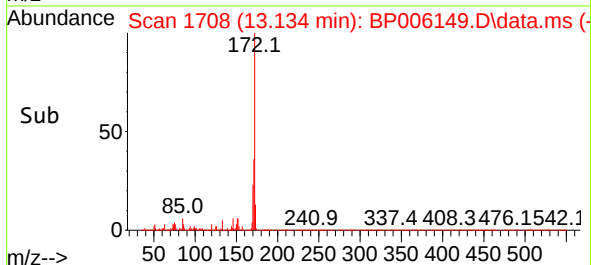
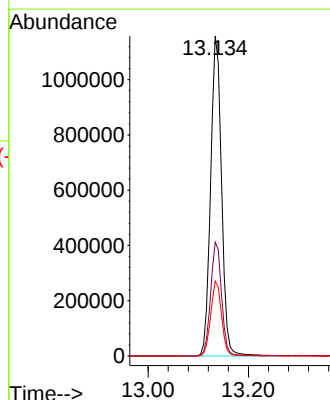
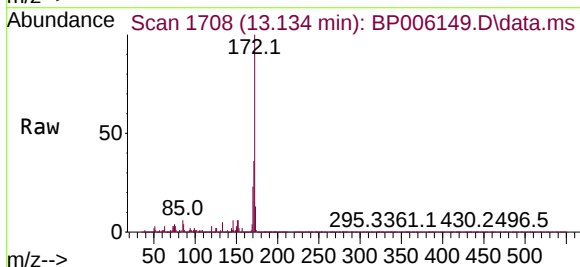
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SOIL-PILE-8

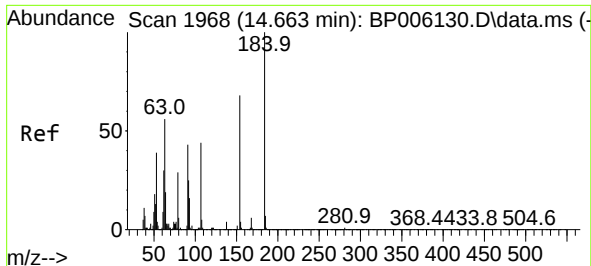
Tgt Ion:330 Resp: 489577
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.8
141 38.0 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 65.21 ng
RT: 13.134 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:172 Resp: 1755156
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.3 18.6 27.8

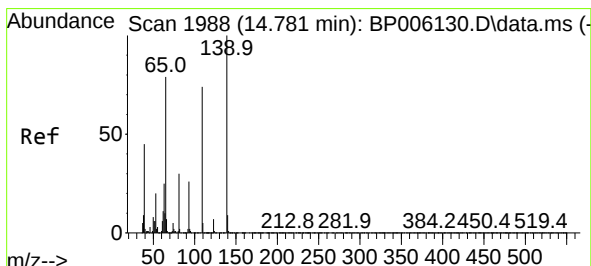
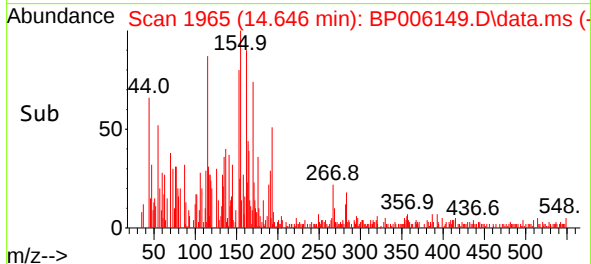
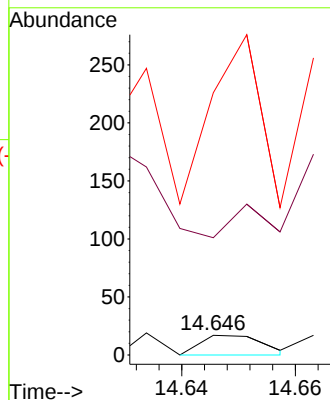
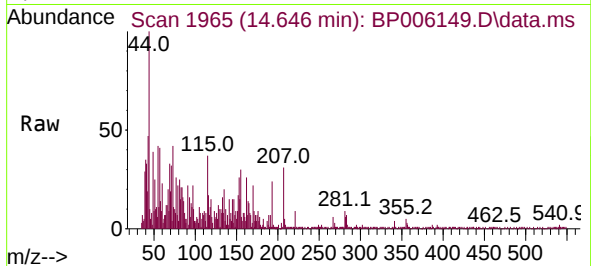




#54
2,4-Dinitrophenol
Concen: 8.88 ng
RT: 14.646 min Scan# 1965
Delta R.T. -0.017 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

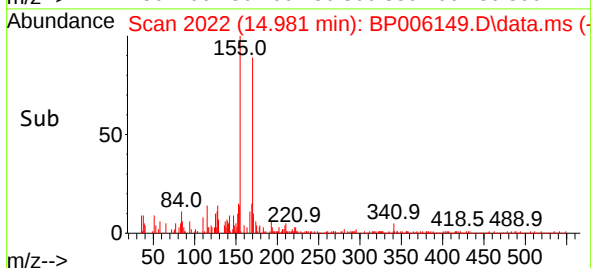
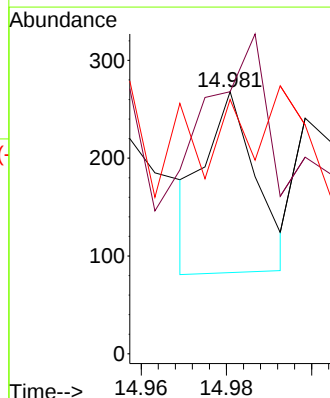
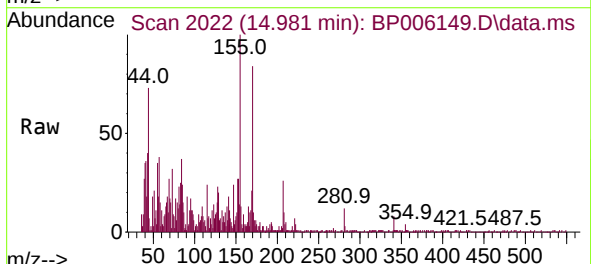
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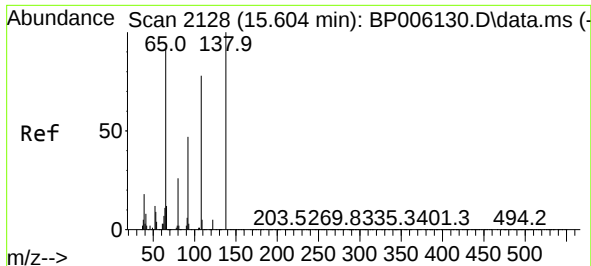
Tgt Ion:184 Resp: 13
Ion Ratio Lower Upper
184 100
63 594.1 47.0 70.6#
154 1329.4 52.3 78.5#



#56
4-Nitrophenol
Concen: 7.15 ng
RT: 14.981 min Scan# 2022
Delta R.T. 0.200 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:139 Resp: 152
Ion Ratio Lower Upper
139 100
109 100.0 72.3 112.3
65 97.0 72.5 112.5

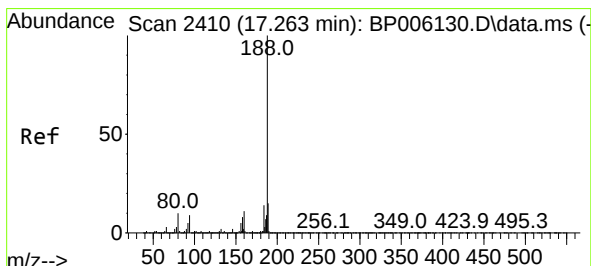
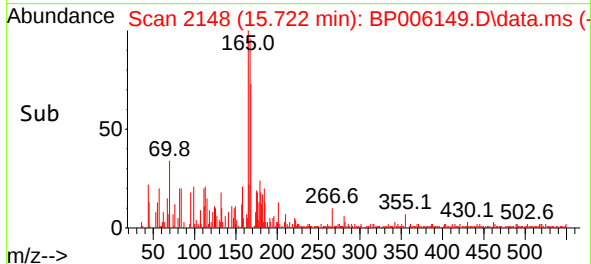
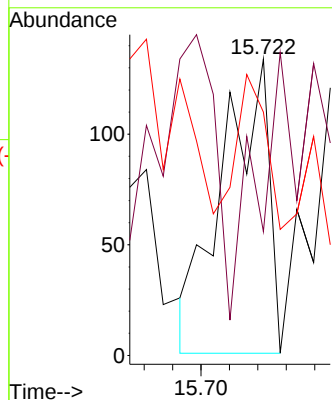
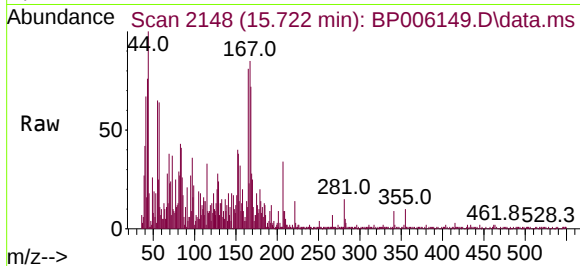




#62
4-Nitroaniline
Concen: 2.98 ng
RT: 15.722 min Scan# 2148
Delta R.T. 0.118 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

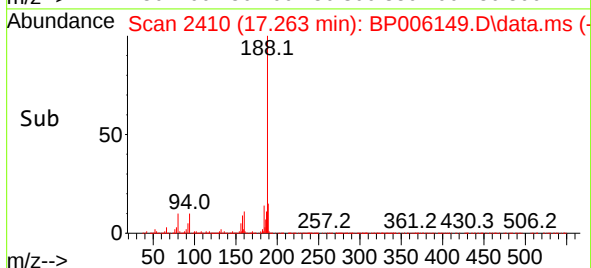
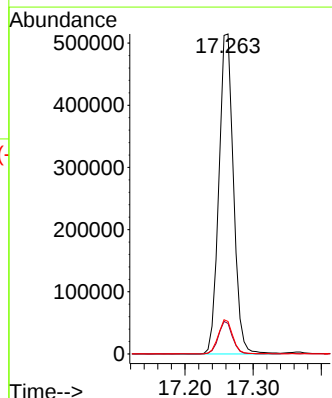
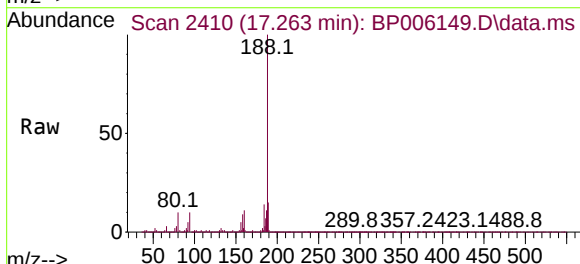
Instrument :
BNA_P
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SOIL-PILE-8

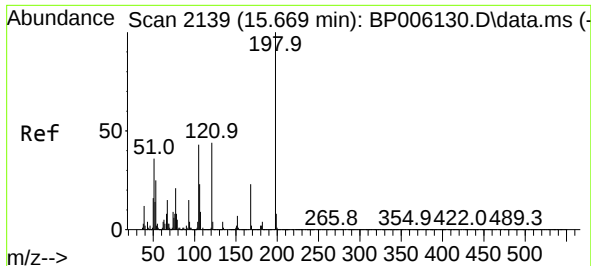
Tgt Ion:138 Resp: 150
Ion Ratio Lower Upper
138 100
92 41.8 31.2 71.2
108 82.1 78.6 118.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.263 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:188 Resp: 767297
Ion Ratio Lower Upper
188 100
94 9.5 5.6 8.4#
80 10.1 6.3 9.5#

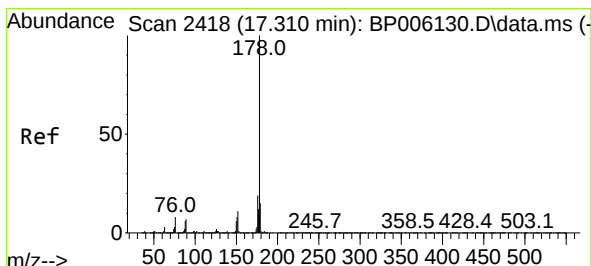
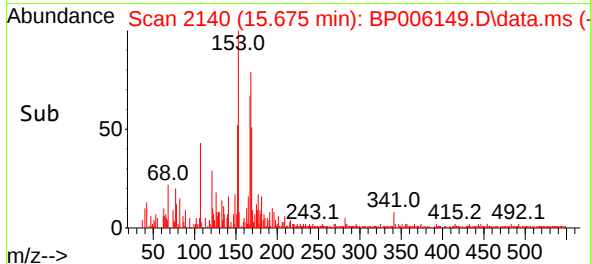
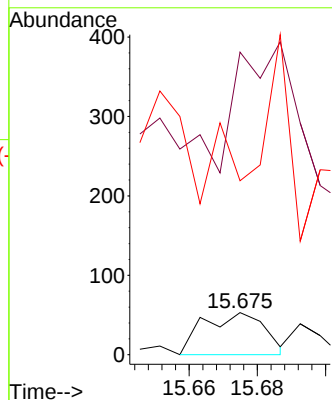
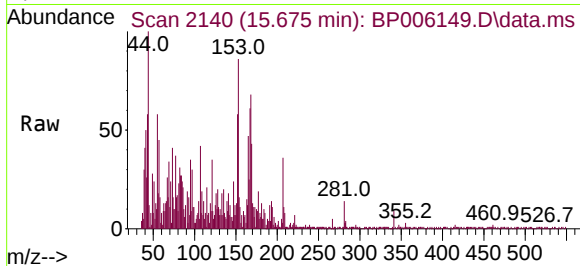




#65
4,6-Dinitro-2-methylphenol
Concen: 4.43 ng
RT: 15.675 min Scan# 2140
Delta R.T. 0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

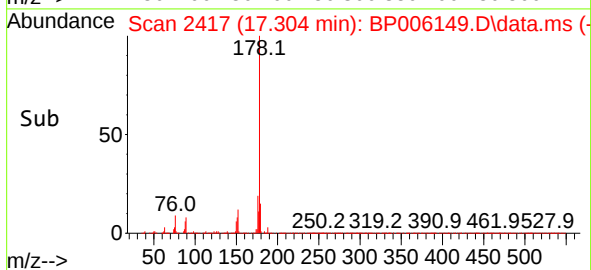
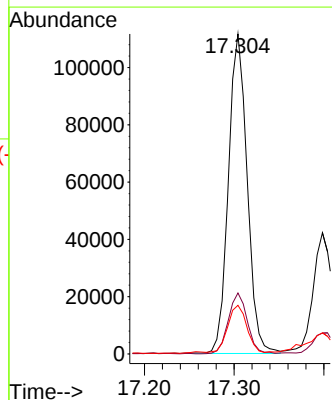
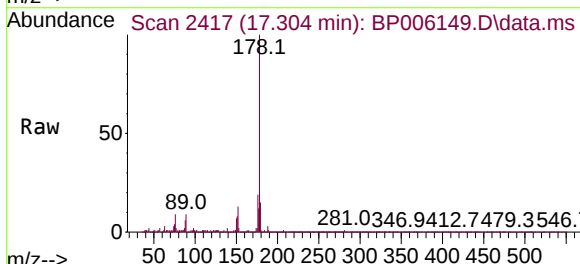
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

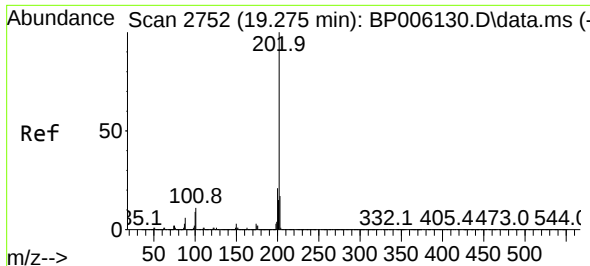
Tgt Ion:198 Resp: 66
Ion Ratio Lower Upper
198 100
51 718.9 14.0 54.0#
105 413.2 19.5 59.5#



#71
Phenanthrene
Concen: 3.75 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:178 Resp: 162299
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.2 12.4 18.6

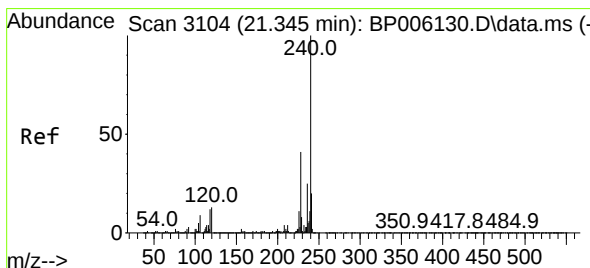
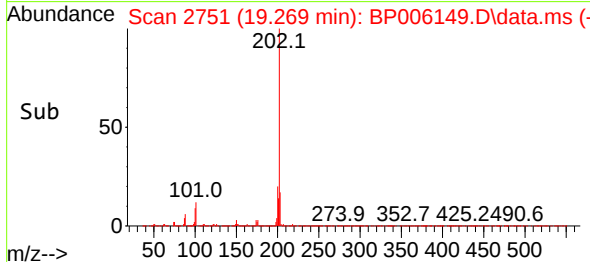
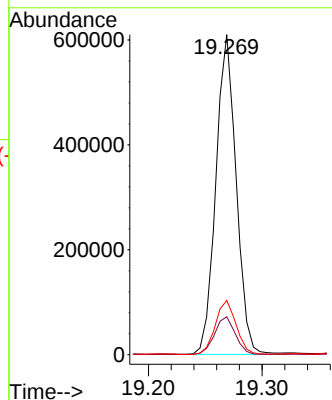
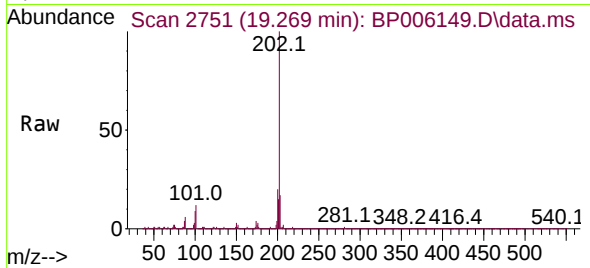




#75
Fluoranthene
Concen: 15.95 ng
RT: 19.269 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

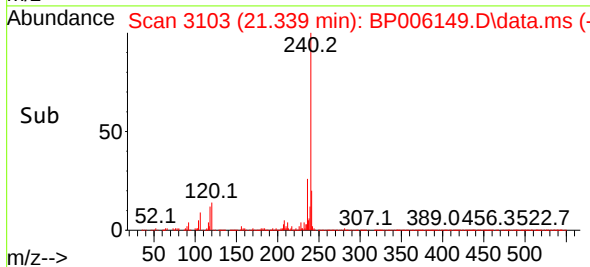
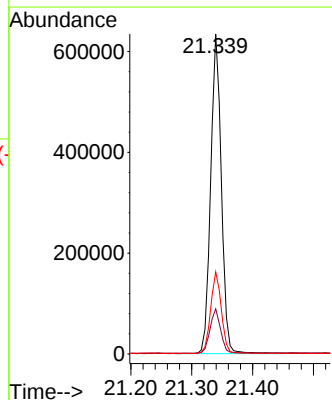
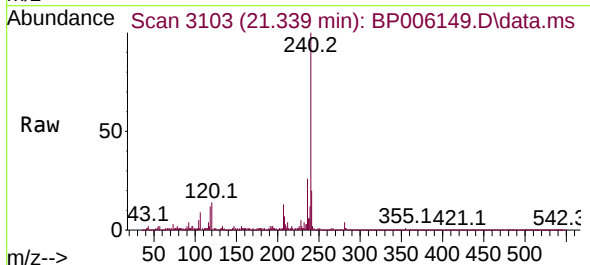
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

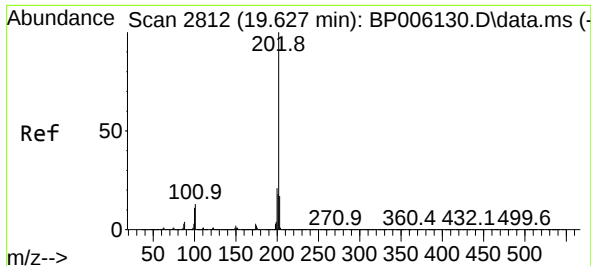
Tgt Ion:	202	Resp:	757477
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	27.6
203	17.0	0.0	37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:	240	Resp:	772558
Ion Ratio	Lower	Upper	
240	100		
120	14.1	6.5	9.7#
236	25.7	20.6	31.0

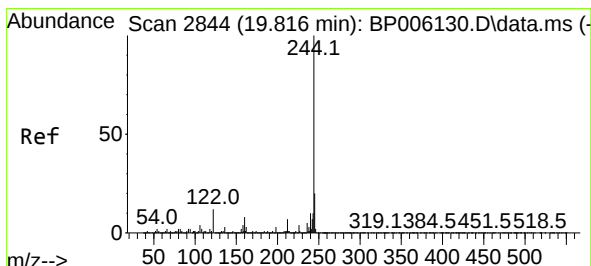
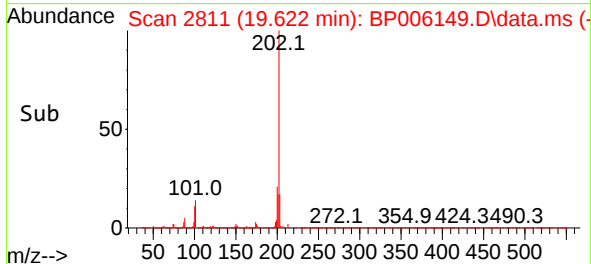
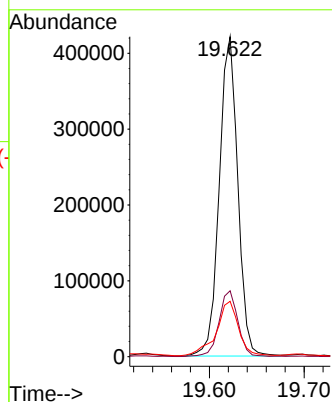
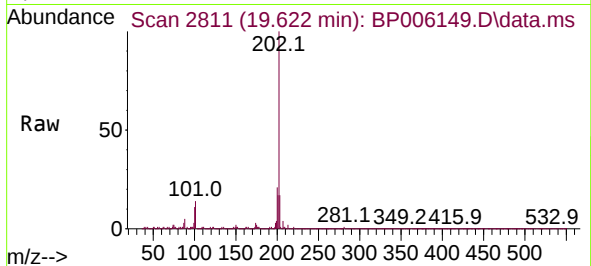




#78
Pyrene
Concen: 10.98 ng
RT: 19.622 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

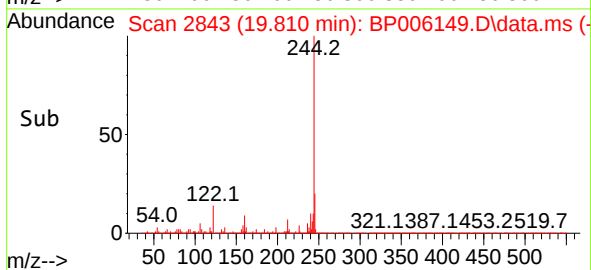
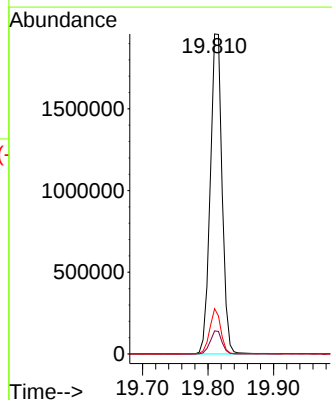
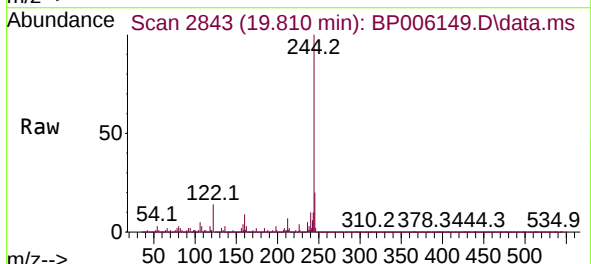
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

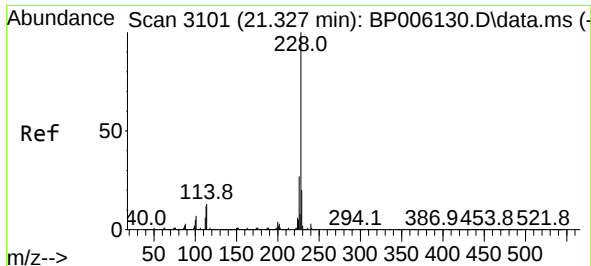
Tgt Ion:202 Resp: 573175
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 17.3 14.2 21.2



#79
Terphenyl-d14
Concen: 62.68 ng
RT: 19.810 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:244 Resp: 2455865
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 14.2 7.1 10.7#

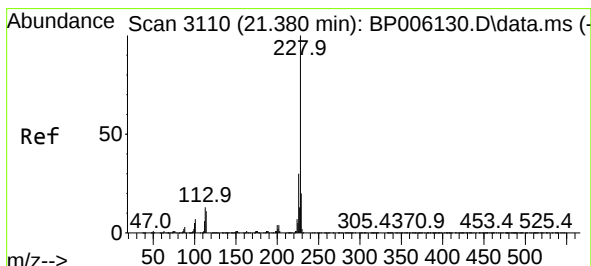
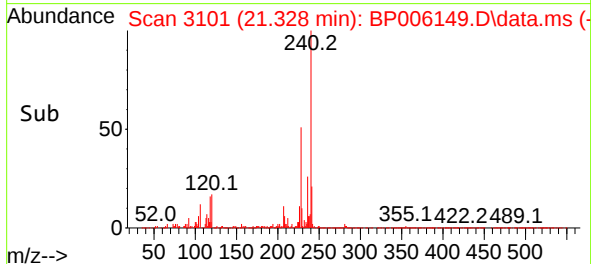
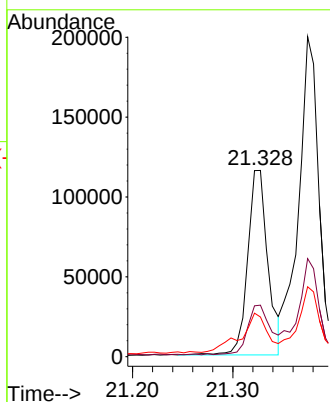
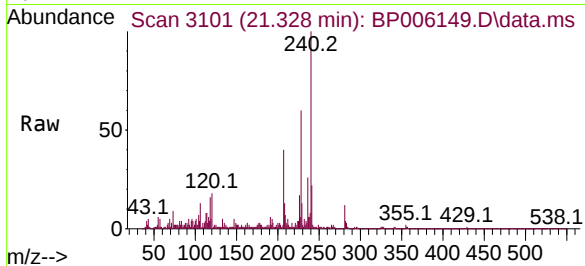




#81
Benzo(a)anthracene
Concen: 3.32 ng
RT: 21.328 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

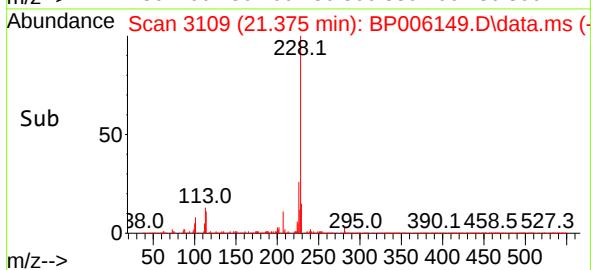
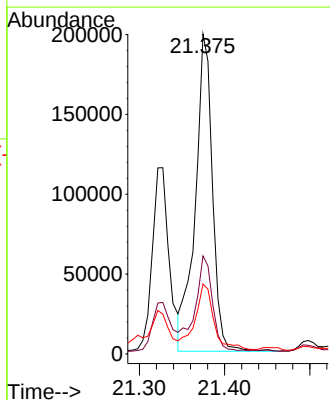
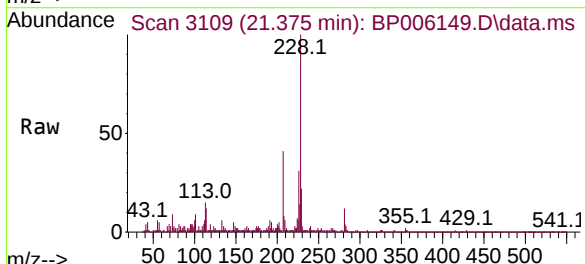
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

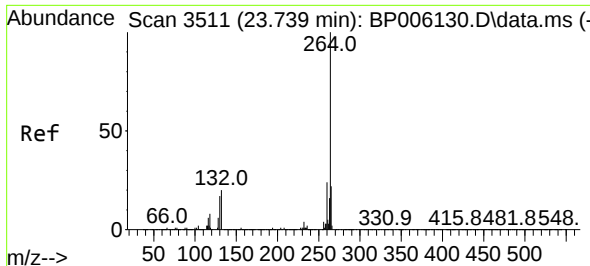
Tgt Ion:228 Resp: 162270
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 21.3 15.8 23.6



#83
Chrysene
Concen: 5.77 ng
RT: 21.375 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:228 Resp: 278761
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.6
229 21.8 15.4 23.2

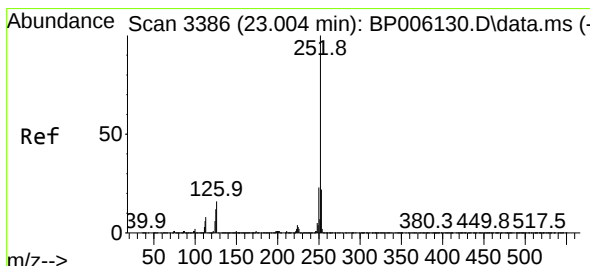
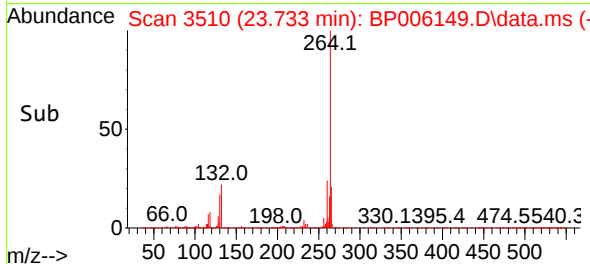
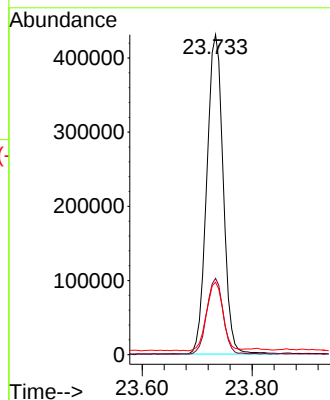
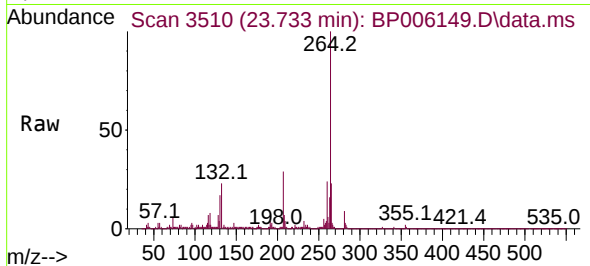




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.733 min Scan# 3510
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

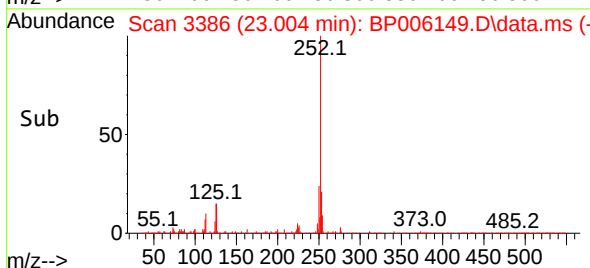
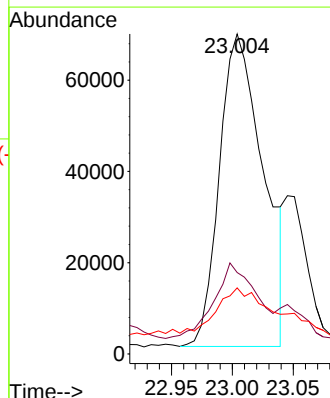
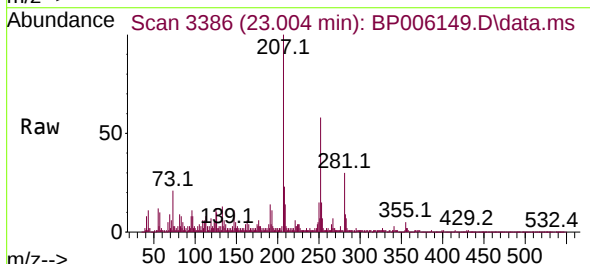
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

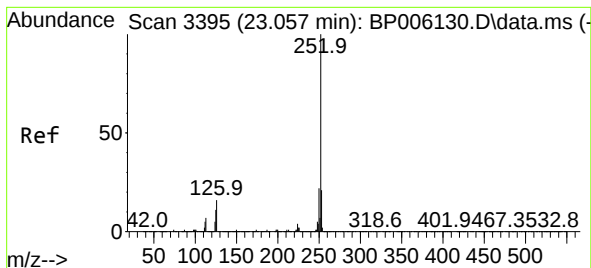
Tgt Ion:264 Resp: 890931
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 22.7 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 3.17 ng
RT: 23.004 min Scan# 3386
Delta R.T. 0.000 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

Tgt Ion:252 Resp: 171430
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 20.6 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 3.25 ng

RT: 23.004 min Scan# 3386

Delta R.T. -0.053 min

Lab File: BP006149.D

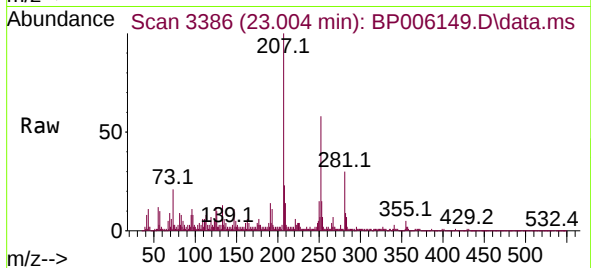
Acq: 08 Jul 2021 20:25

Instrument :

BNA_P

ClientSampleId :

SOIL-PILE-8



Tgt Ion:252 Resp: 171430

Ion Ratio Lower Upper

252 100

253 25.5 17.6 26.4

125 20.6 6.0 9.0#

