

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)

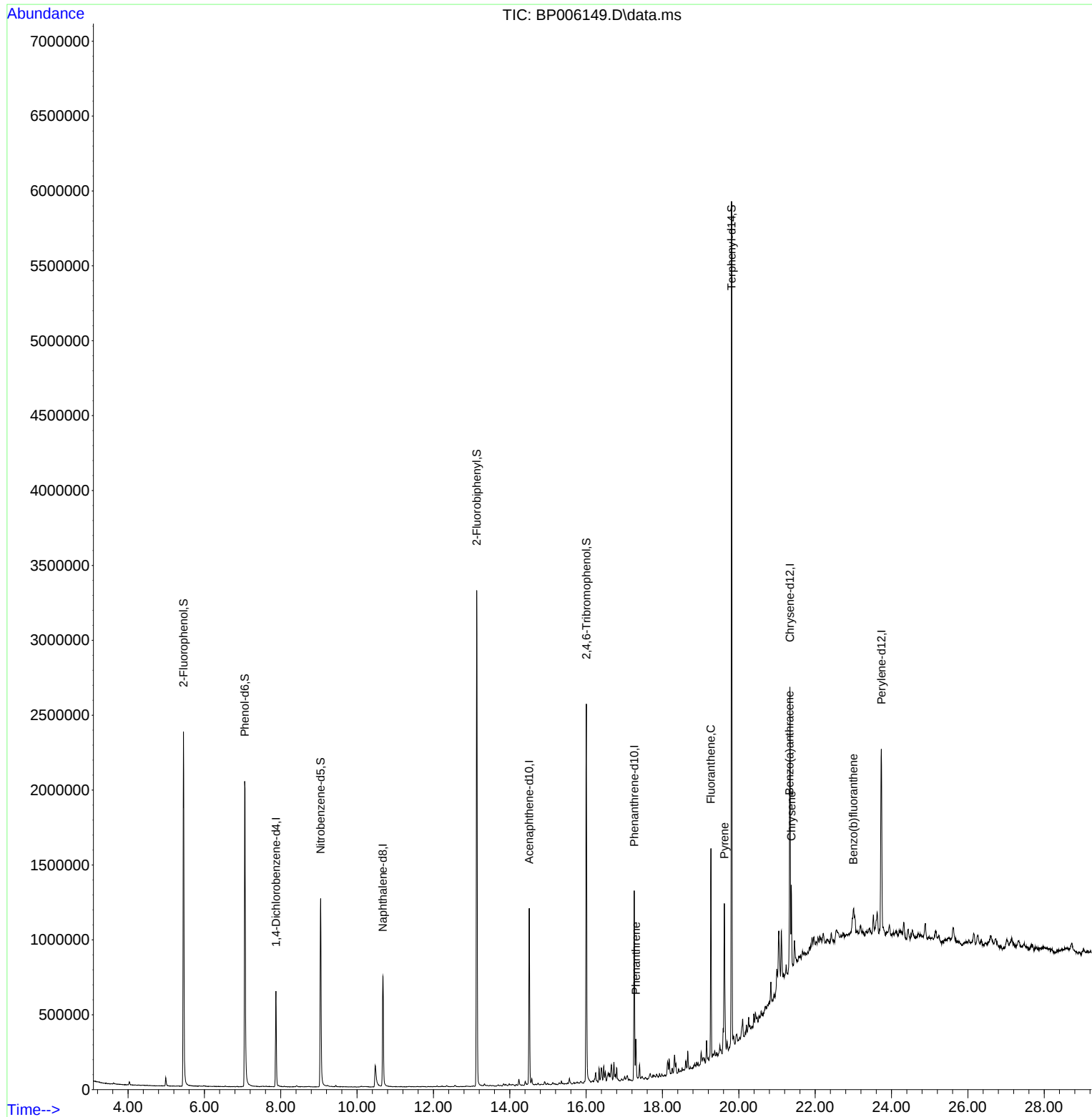
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	188351	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	713447	20.000	ng	0.00
39) Acenaphthene-d10	14.510	164	397881	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	767297	20.000	ng	# 0.00
76) Chrysene-d12	21.339	240	772558	20.000	ng	# 0.00
86) Perylene-d12	23.733	264	890931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	1195505	109.213	ng	0.00
7) Phenol-d6	7.058	99	1413070	97.592	ng	0.00
23) Nitrobenzene-d5	9.046	82	799939	70.823	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	489577	103.351	ng	0.00
45) 2-Fluorobiphenyl	13.134	172	1755156	65.213	ng	0.00
79) Terphenyl-d14	19.810	244	2455865	62.675	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.304	178	162299	3.745	ng	100
75) Fluoranthene	19.269	202	757477	15.949	ng	95
78) Pyrene	19.622	202	573175	10.977	ng	99
81) Benzo(a)anthracene	21.328	228	162270	3.321	ng	98
83) Chrysene	21.375	228	278761	5.773	ng	97
88) Benzo(b)fluoranthene	23.004	252	171430	3.172	ng	# 85

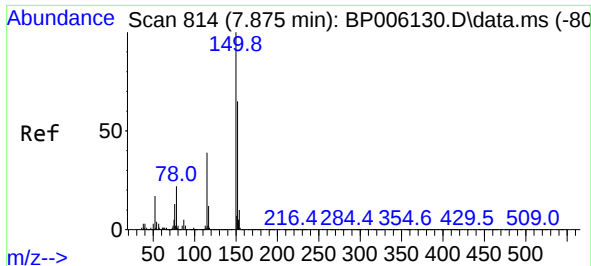
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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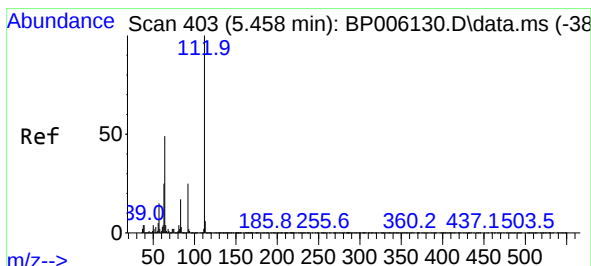
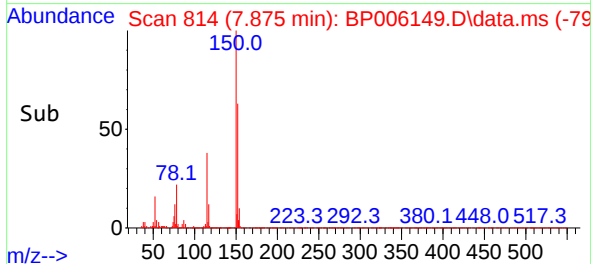
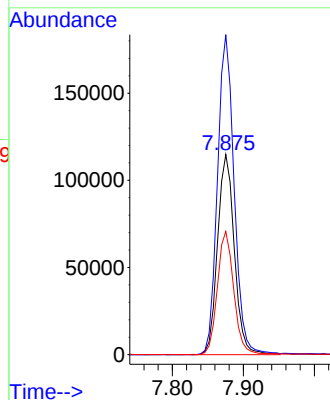
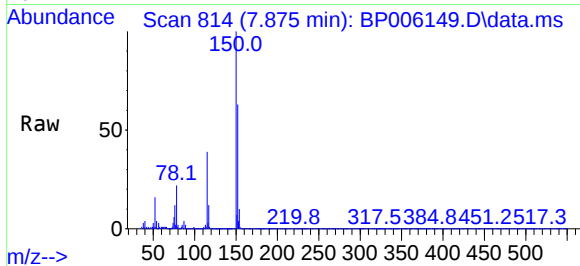




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.875 min Scan# 814
Delta R.T. 0.000 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

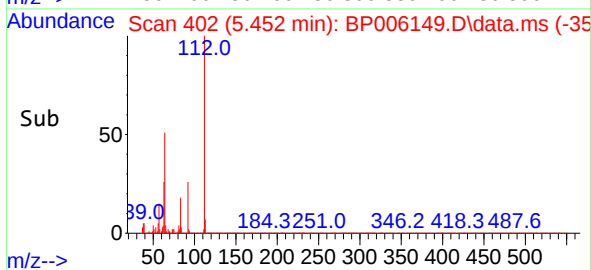
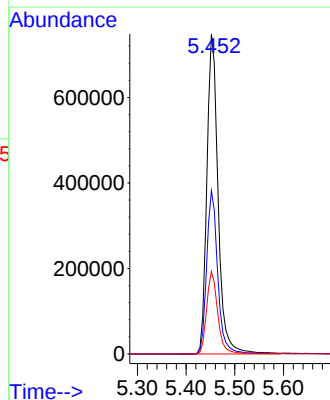
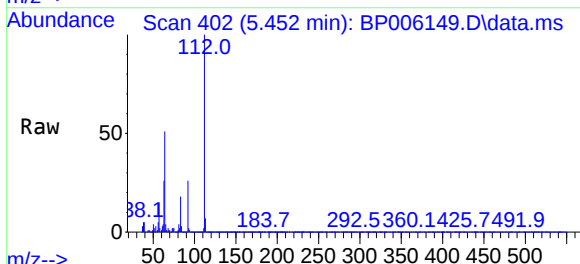
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

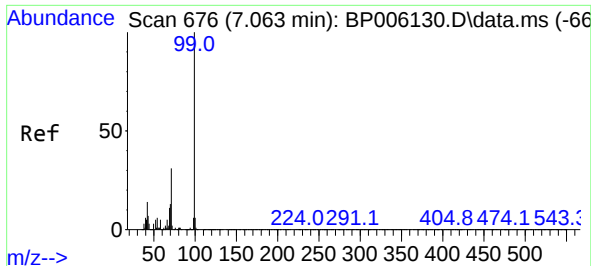
Tgt Ion:152 Resp: 188351
Ion Ratio Lower Upper
152 100
150 159.9 125.6 188.4
115 61.6 48.5 72.7



#5
2-Fluorophenol
Concen: 109.213 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

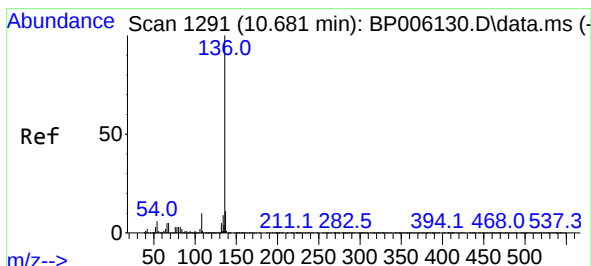
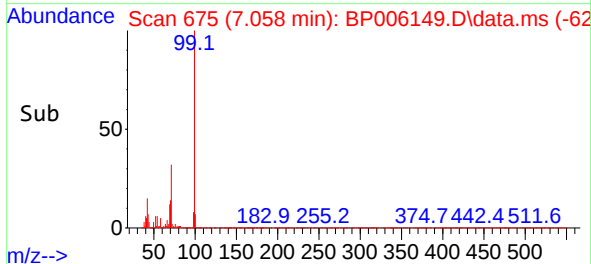
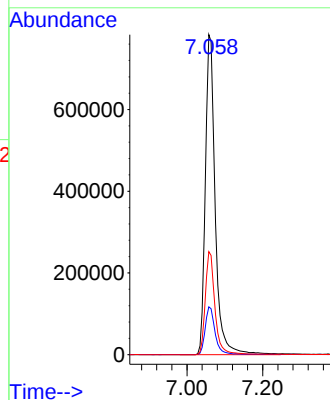
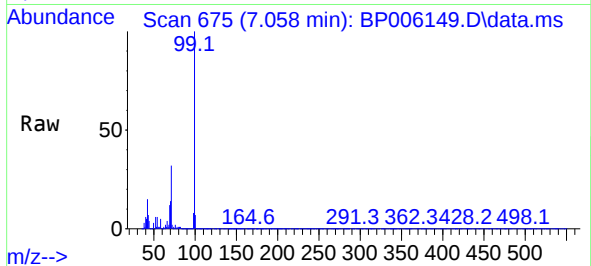




#7
Phenol-d6
Concen: 97.592 ng
RT: 7.058 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

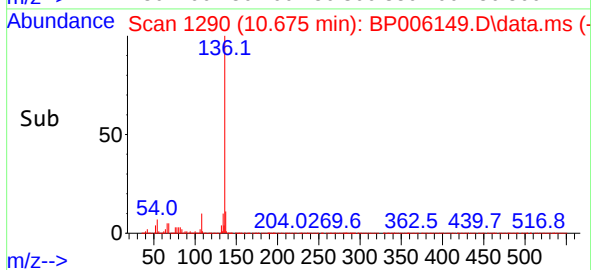
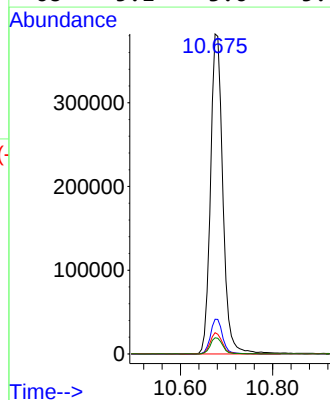
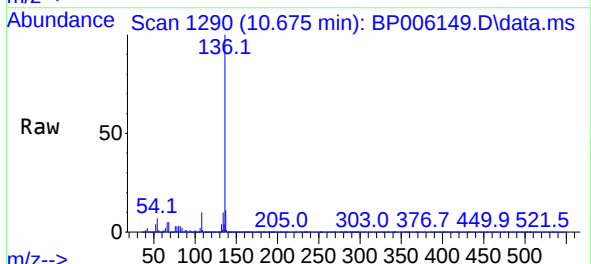
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

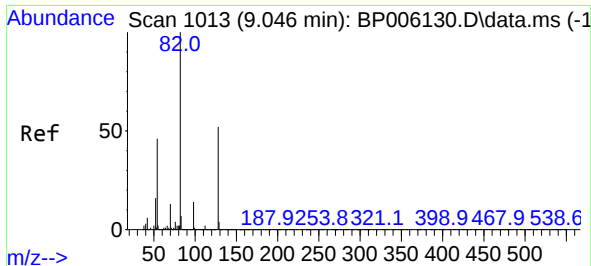
Tgt Ion: 99 Resp: 1413070
Ion Ratio Lower Upper
99 100
42 14.9 13.4 20.0
71 32.2 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 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

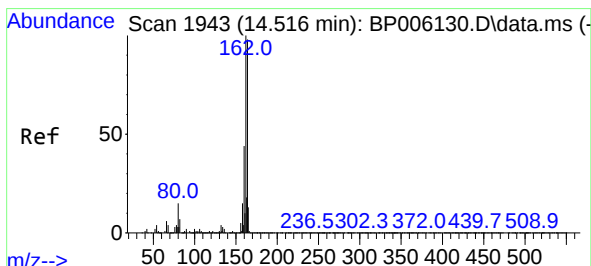
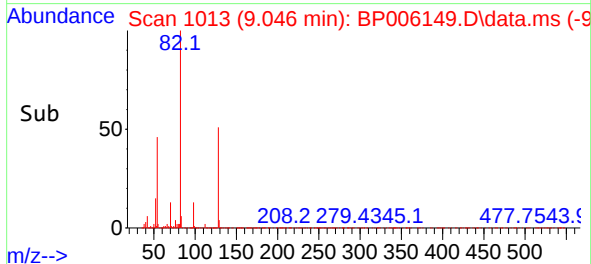
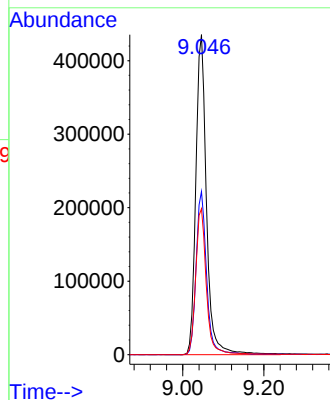
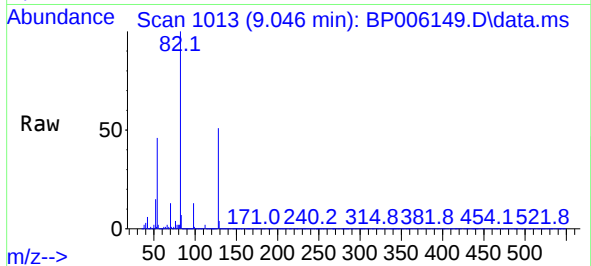




#23
Nitrobenzene-d5
Concen: 70.823 ng
RT: 9.046 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

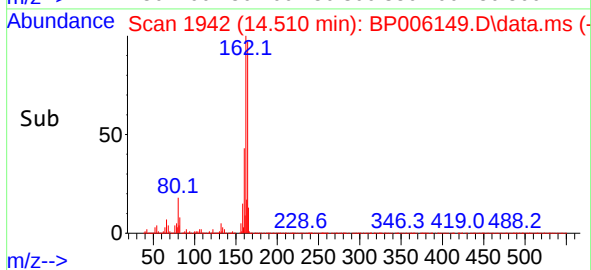
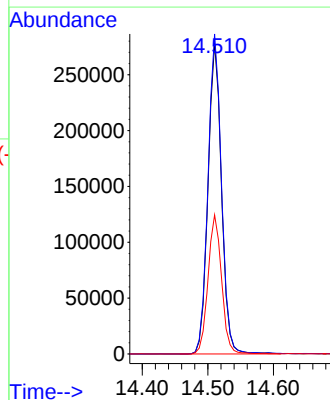
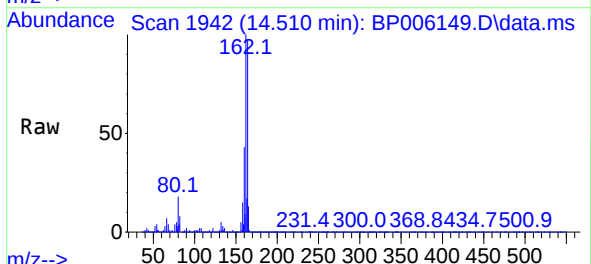
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

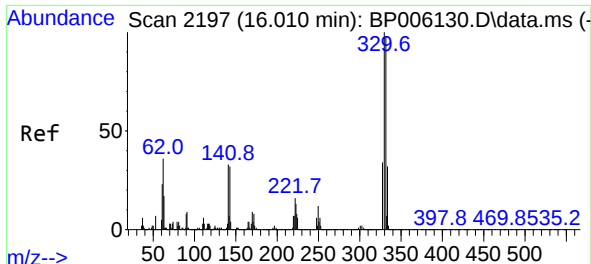
Tgt Ion: 82 Resp: 799939
Ion Ratio Lower Upper
82 100
128 51.0 35.7 53.5
54 45.6 35.0 52.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

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

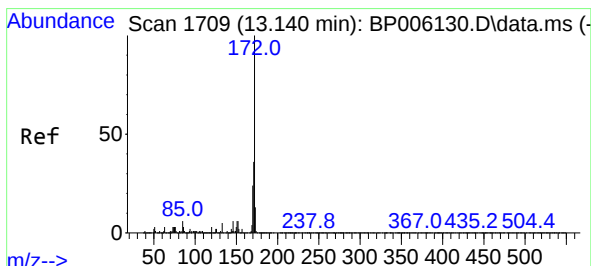
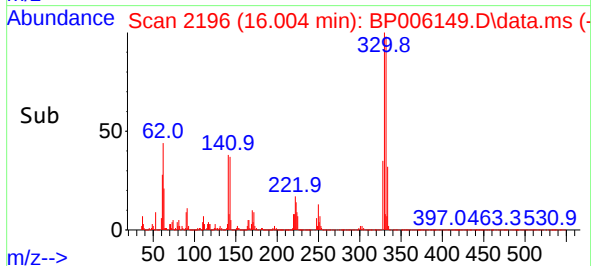
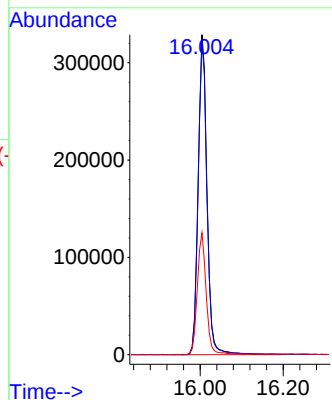
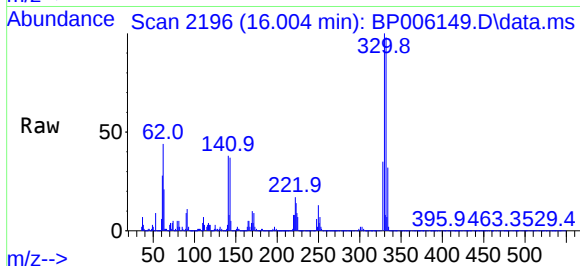




#42
2,4,6-Tribromophenol
Concen: 103.351 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

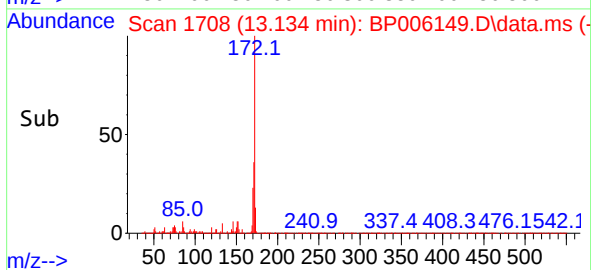
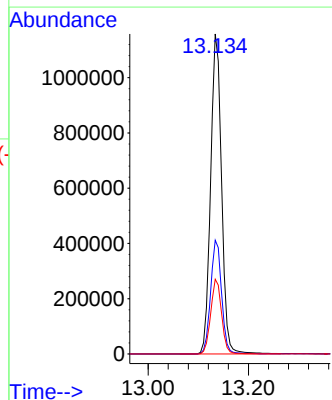
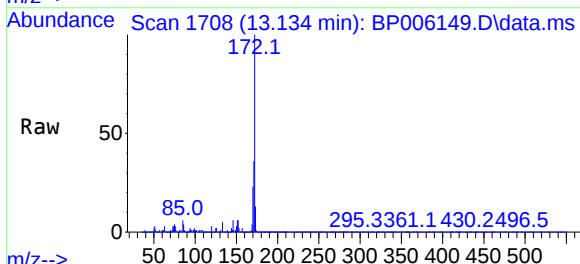
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

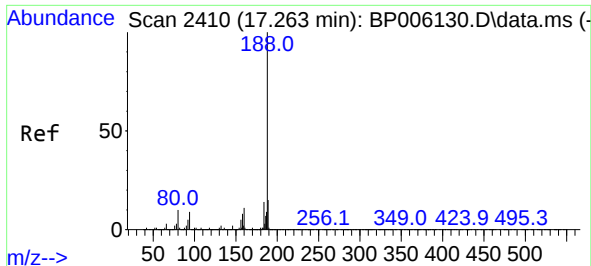
Tgt Ion:330 Resp: 489577
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.8
141 38.0 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 65.213 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

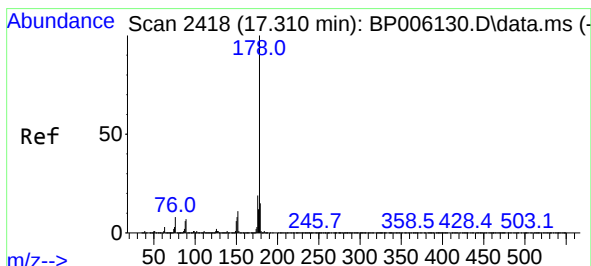
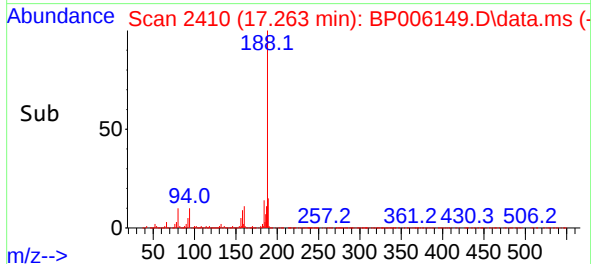
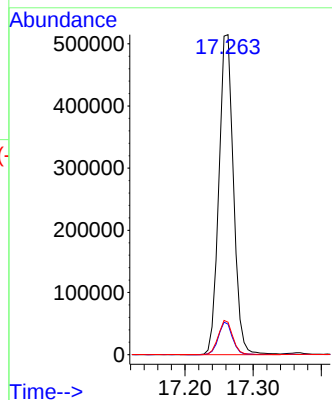
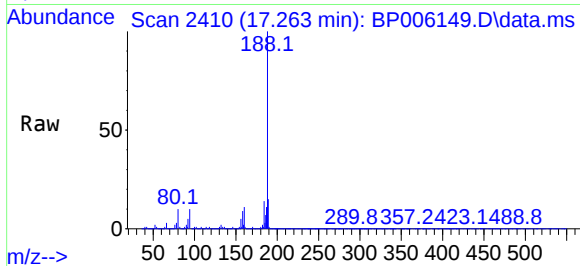




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

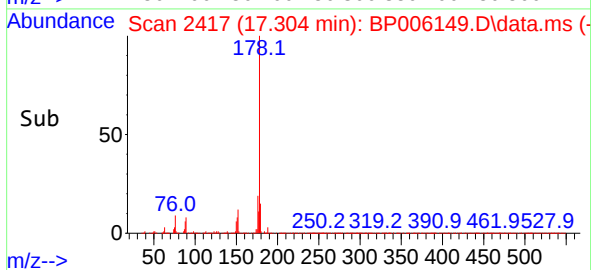
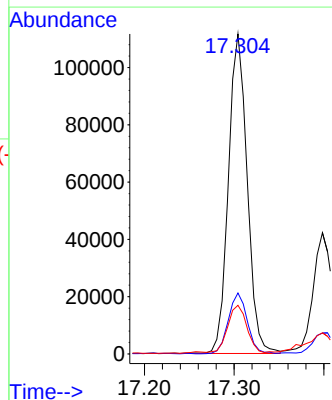
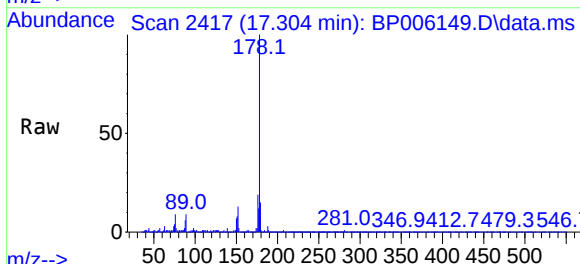
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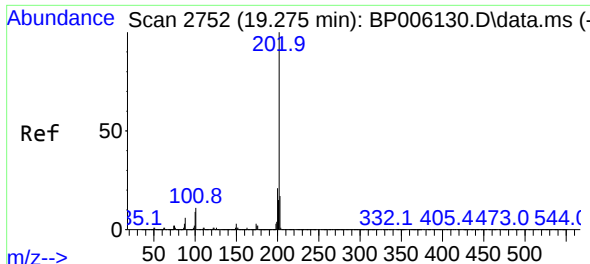
Tgt Ion:188 Resp: 767297
Ion Ratio Lower Upper
188 100
94 9.5 5.6 8.4#
80 10.1 6.3 9.5#



#71
Phenanthrene
Concen: 3.745 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

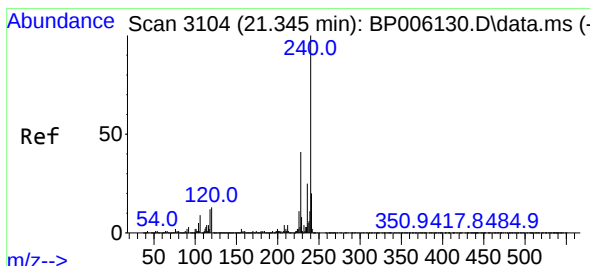
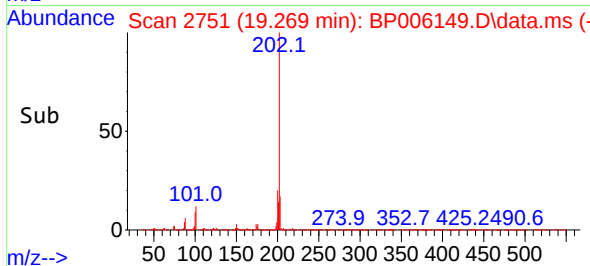
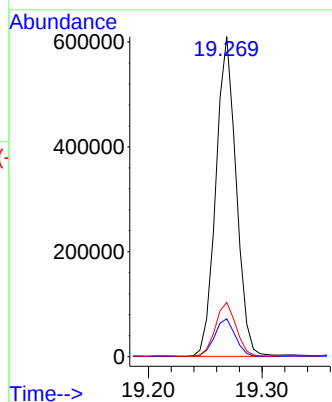
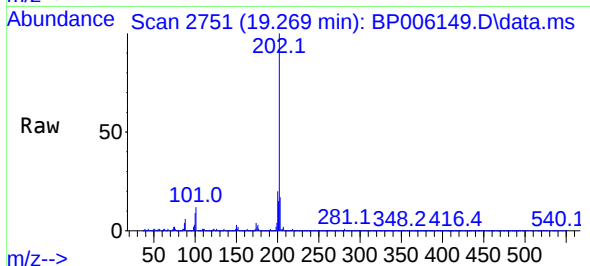




#75
Fluoranthene
Concen: 15.949 ng
RT: 19.269 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

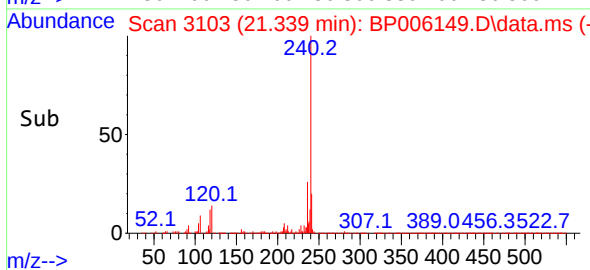
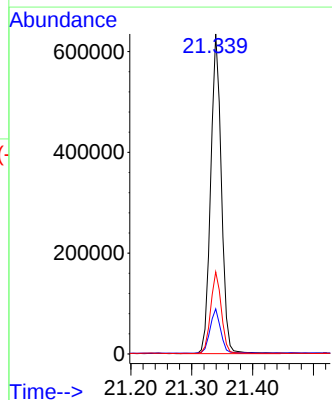
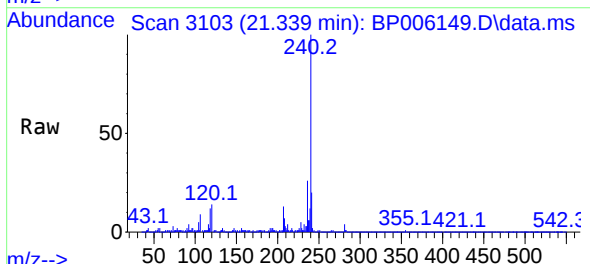
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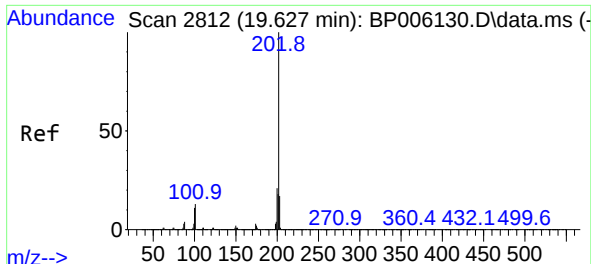
Tgt Ion:	202	Resp:	757477
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	27.6
203	17.0	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 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

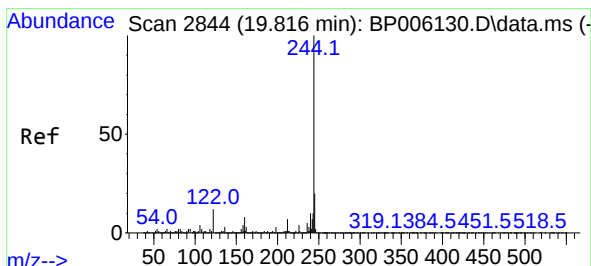
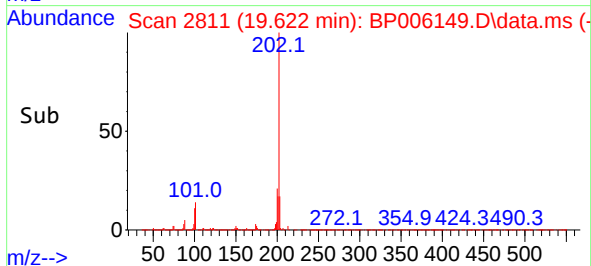
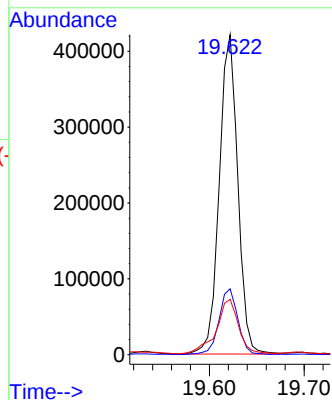
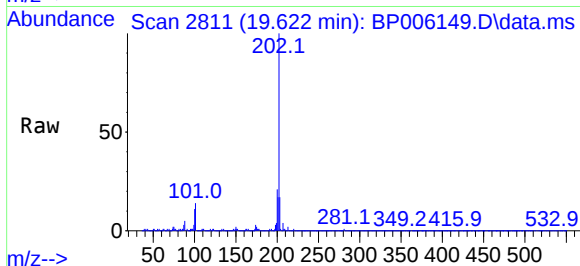




#78
Pyrene
Concen: 10.977 ng
RT: 19.622 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

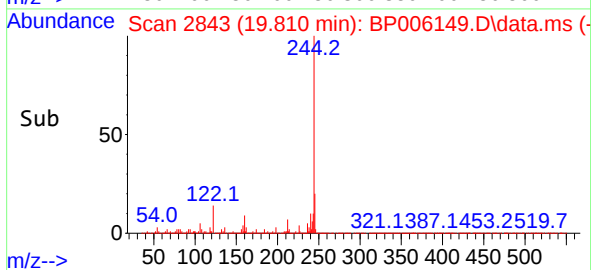
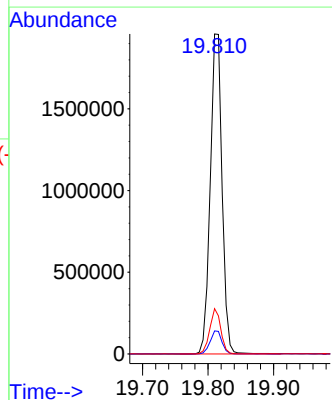
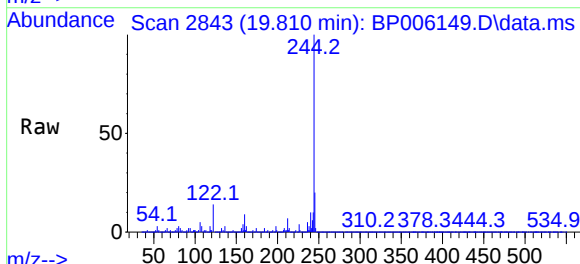
Instrument :
BNA_P
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SOIL-PILE-8

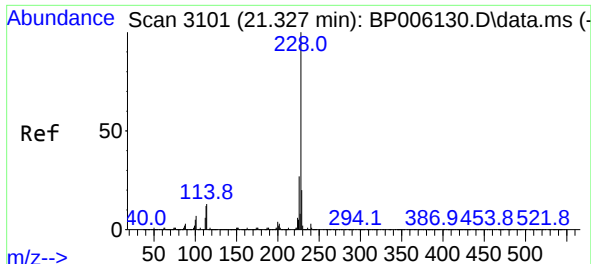
Tgt Ion:	202	Resp:	573175
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.3	24.5
203	17.3	14.2	21.2



#79
Terphenyl-d14
Concen: 62.675 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#

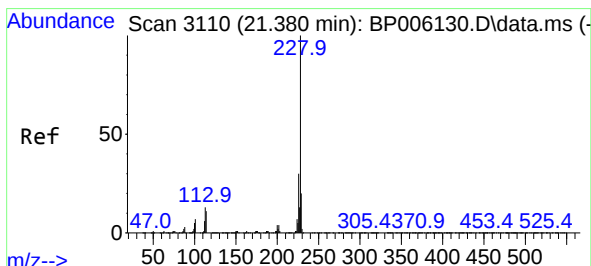
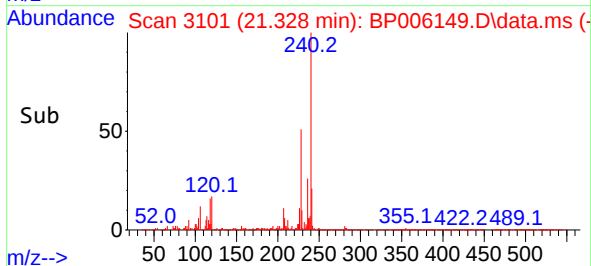
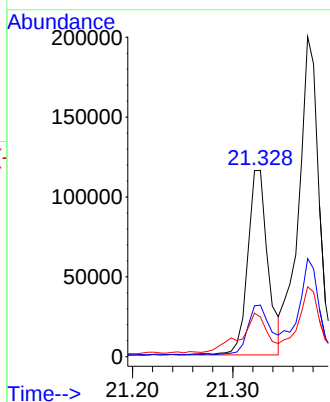
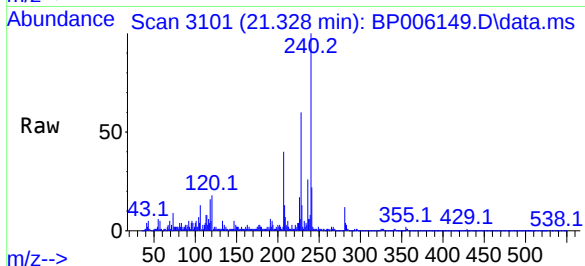




#81
Benzo(a)anthracene
Concen: 3.321 ng
RT: 21.328 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

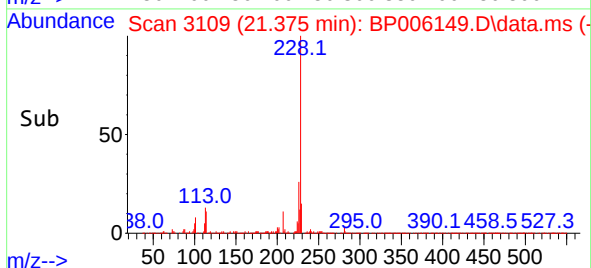
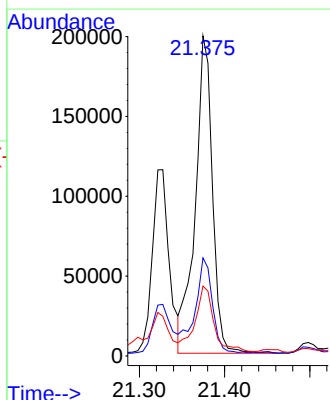
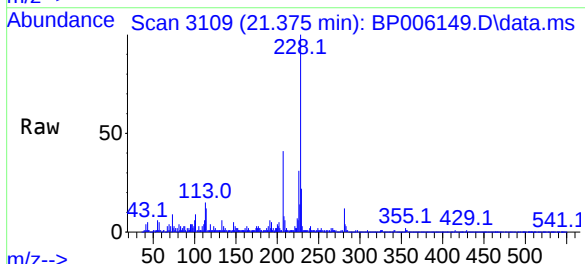
Instrument :
BNA_P
ClientSampleId :
SOIL-PILE-8

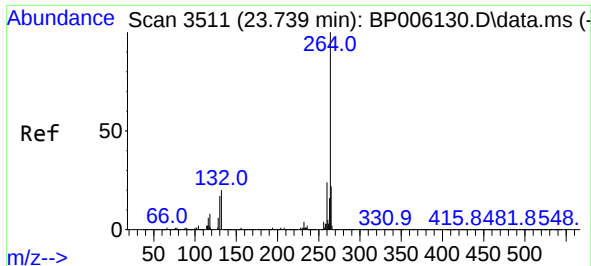
Tgt Ion:228 Resp: 162270
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 21.3 15.8 23.6



#83
Chrysene
Concen: 5.773 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

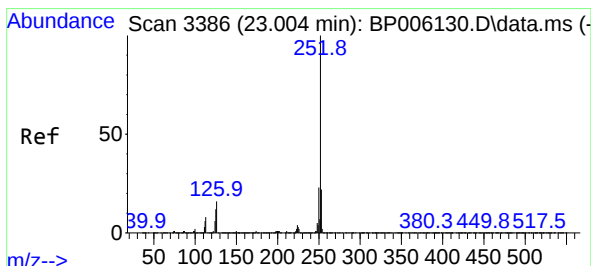
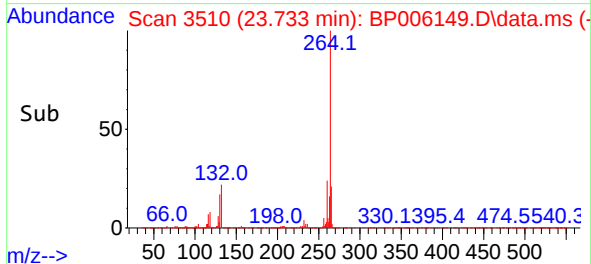
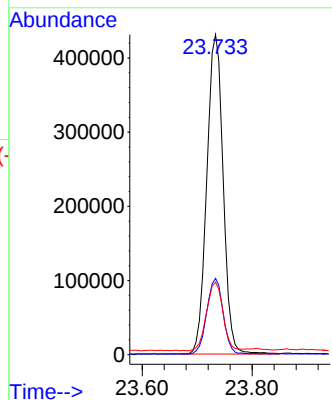
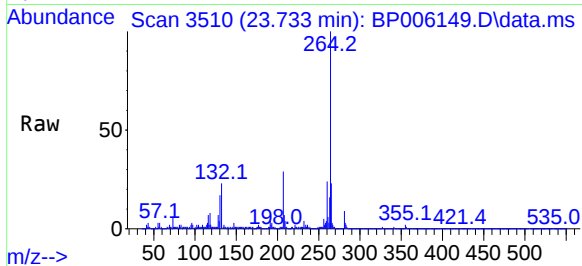




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3510
Delta R.T. -0.006 min
Lab File: BP006149.D
Acq: 08 Jul 2021 20:25

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: 3.172 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

