

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070821\
 Data File : BP006145.D
 Acq On : 08 Jul 2021 18:09
 Operator : CG/JU
 Sample : M2947-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B6-SOIL-BANK

Quant Time: Jul 08 18:51:15 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)

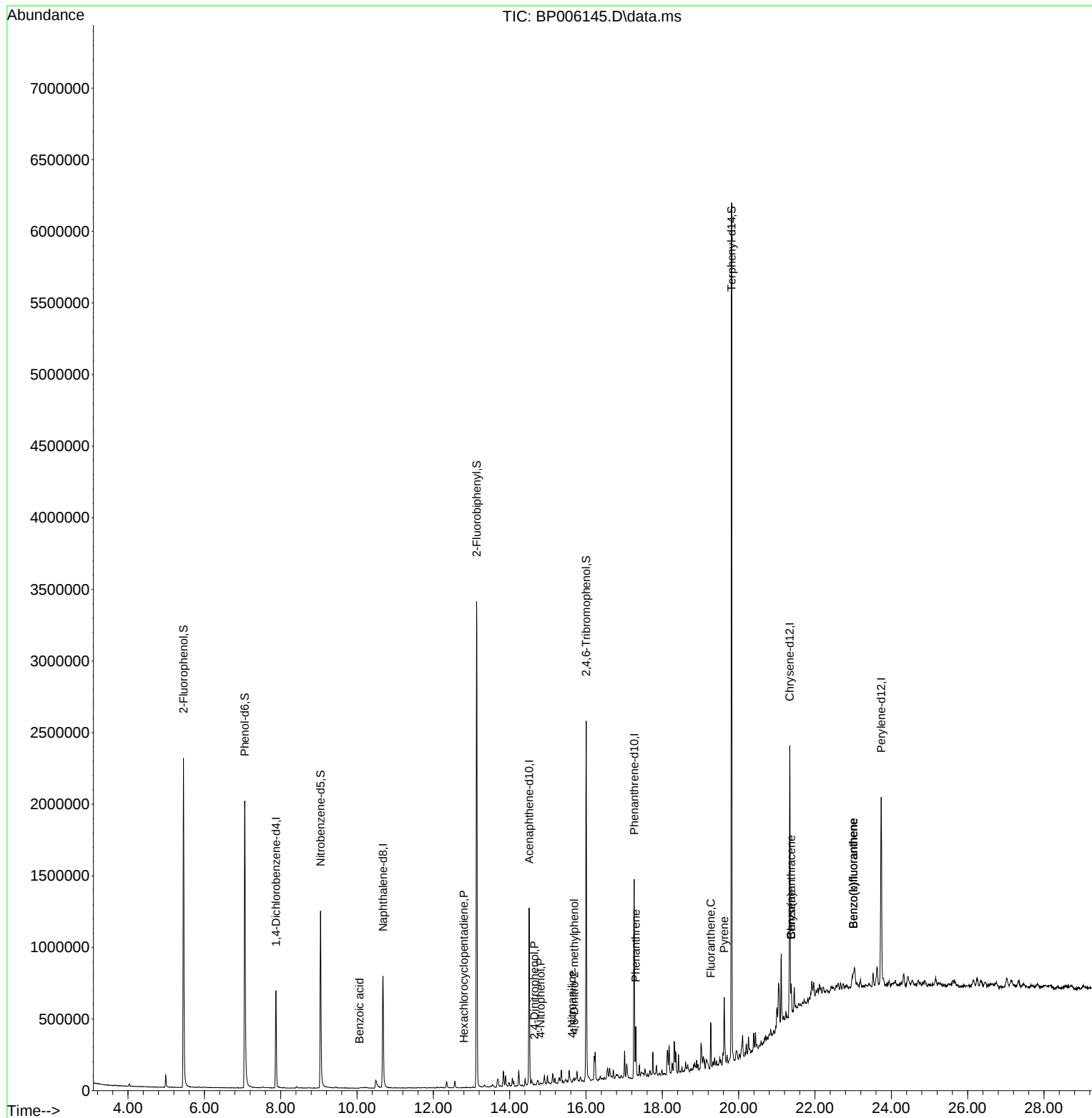
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	201760	20.000	ng	0.00
21) Naphthalene-d8	10.681	136	754990	20.000	ng	0.00
39) Acenaphthene-d10	14.510	164	415823	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	789967	20.000	ng	# 0.00
76) Chrysene-d12	21.339	240	785617	20.000	ng	# 0.00
86) Perylene-d12	23.733	264	920580	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	1180643	100.687	ng	0.00
7) Phenol-d6	7.057	99	1395909	90.000	ng	0.00
23) Nitrobenzene-d5	9.046	82	786378	65.791	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	470700	95.079	ng	0.00
45) 2-Fluorobiphenyl	13.134	172	1794928	63.814	ng	0.00
79) Terphenyl-d14	19.816	244	2530862	63.516	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.063	122	44	6.908	ng	# 1
41) Hexachlorocyclopentadiene	12.798	237	14	8.707	ng	86
54) 2,4-Dinitrophenol	14.645	184	30	8.887	ng	# 1
56) 4-Nitrophenol	14.810	139	734	7.252	ng	# 78
62) 4-Nitroaniline	15.633	138	52	2.966	ng	87
65) 4,6-Dinitro-2-methylph...	15.692	198	44	4.427	ng	# 1
71) Phenanthrene	17.304	178	211004	4.730	ng	99
75) Fluoranthene	19.269	202	154533	3.160	ng	94
78) Pyrene	19.622	202	264604	4.983	ng	99
81) Benzo(a)anthracene	21.374	228	106003	2.133	ng	92
83) Chrysene	21.374	228	106003	2.159	ng	# 95
88) Benzo(b)fluoranthene	23.004	252	128817	2.307	ng	# 84
89) Benzo(k)fluoranthene	23.004	252	128817	2.360	ng	# 85

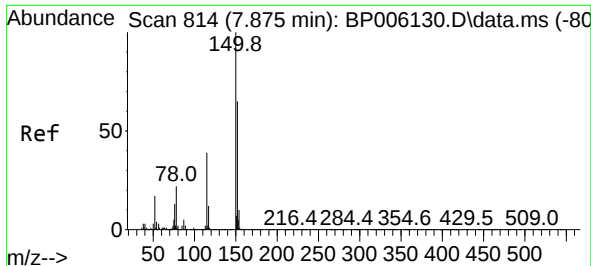
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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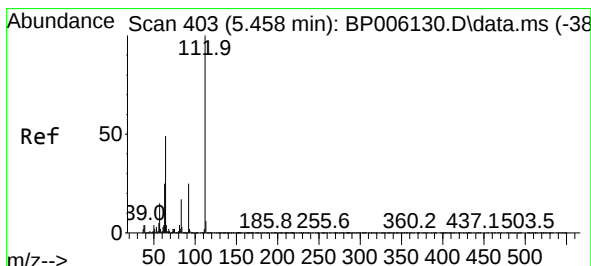
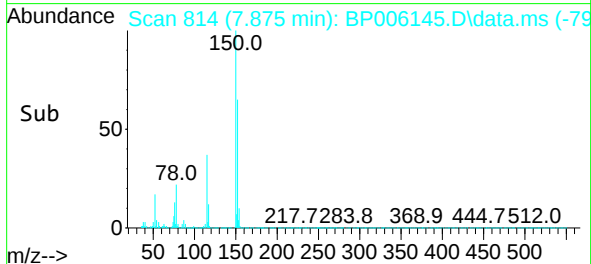
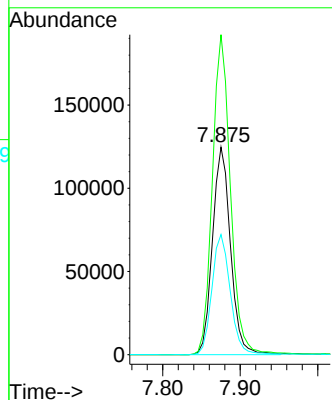
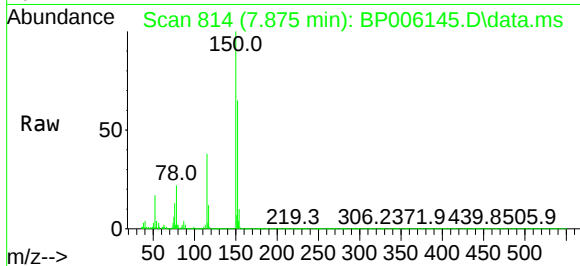




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.875 min Scan# 814
Delta R.T. 0.000 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

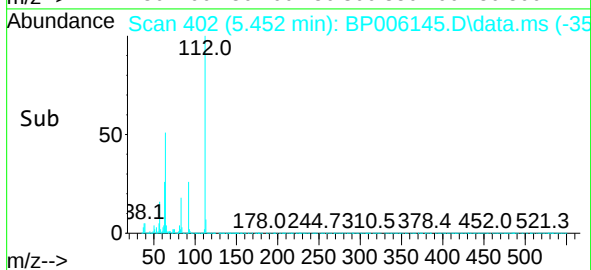
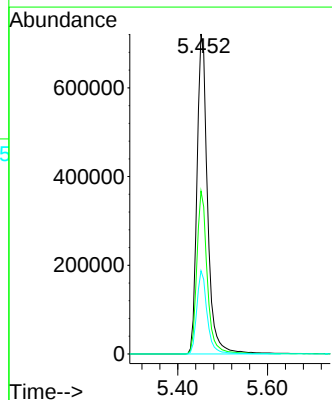
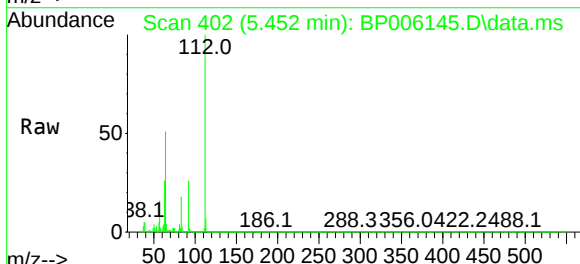
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BNA_P
ClientSampleId :
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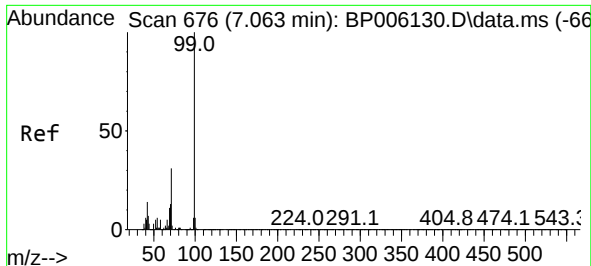
Tgt Ion:152 Resp: 201760
Ion Ratio Lower Upper
152 100
150 154.2 125.6 188.4
115 57.9 48.5 72.7



#5
2-Fluorophenol
Concen: 100.687 ng
RT: 5.452 min Scan# 402
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:112 Resp: 1180643
Ion Ratio Lower Upper
112 100
64 50.9 41.4 62.2
63 26.0 23.8 35.8

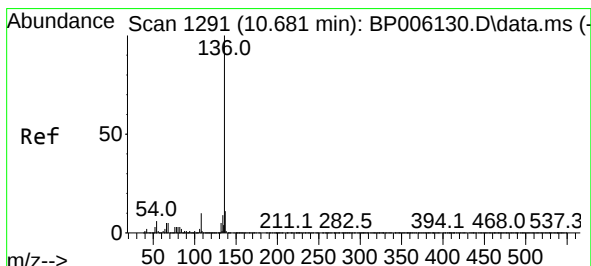
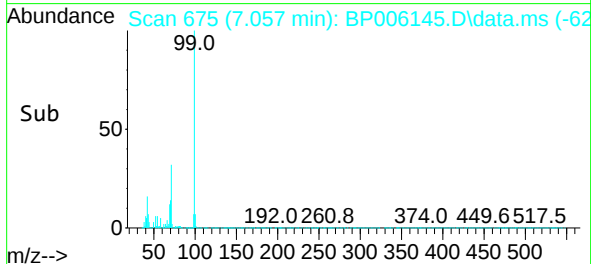
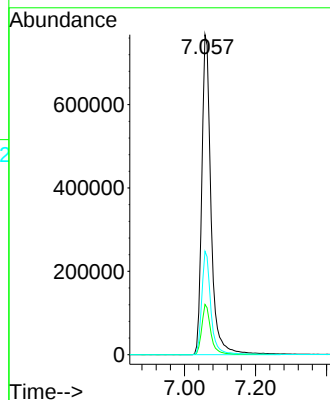
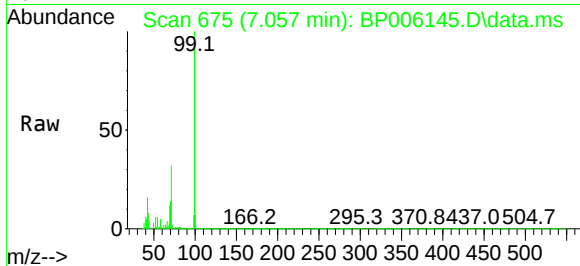




#7
Phenol-d6
Concen: 90.000 ng
RT: 7.057 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

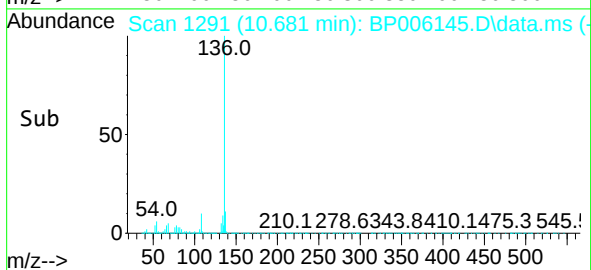
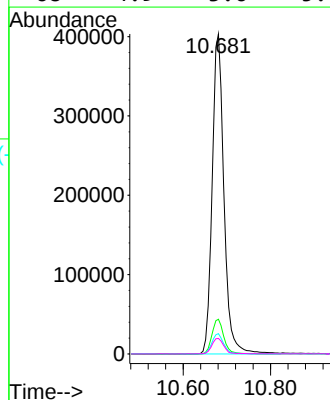
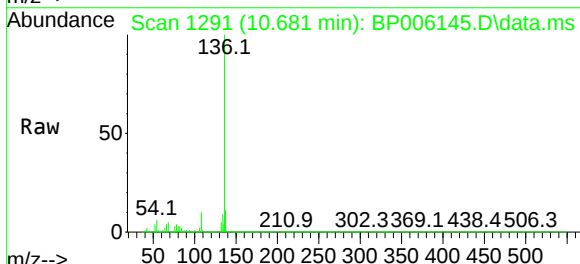
Instrument :
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ClientSampleId :
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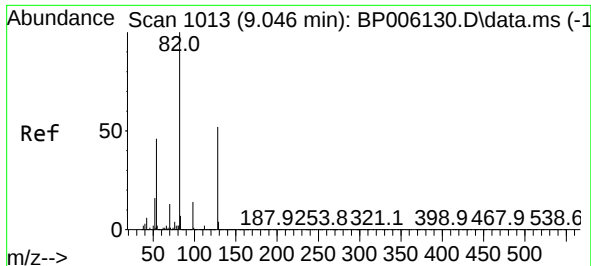
Tgt Ion: 99 Resp: 1395909
Ion Ratio Lower Upper
99 100
42 15.7 13.4 20.0
71 32.3 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion: 136 Resp: 754990
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.4 4.6 6.8
68 4.9 3.6 5.4

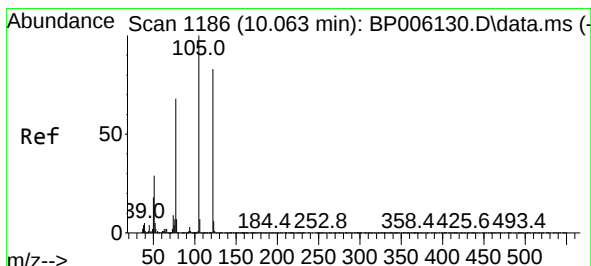
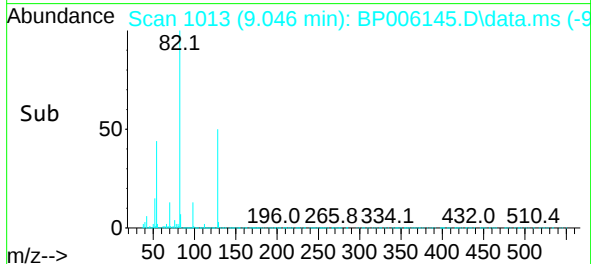
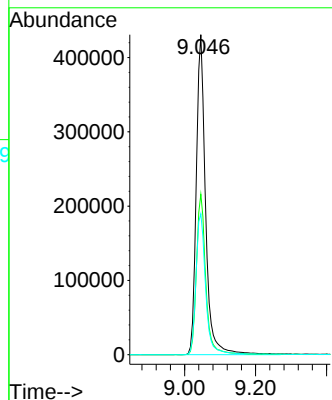
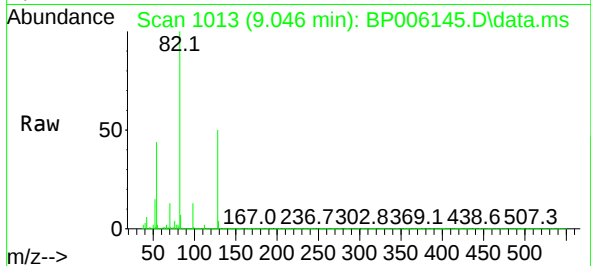




#23
Nitrobenzene-d5
Concen: 65.791 ng
RT: 9.046 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

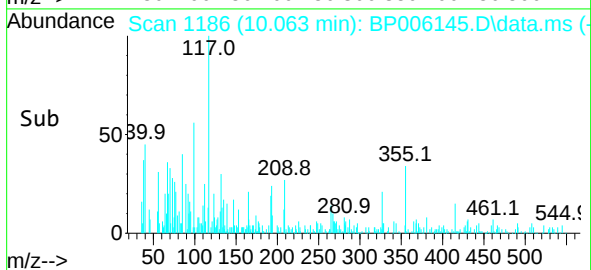
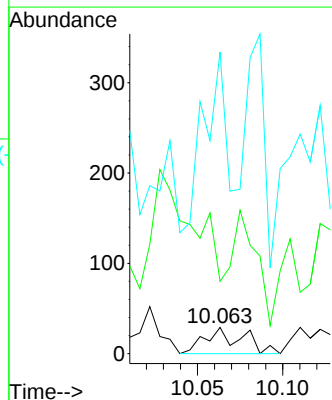
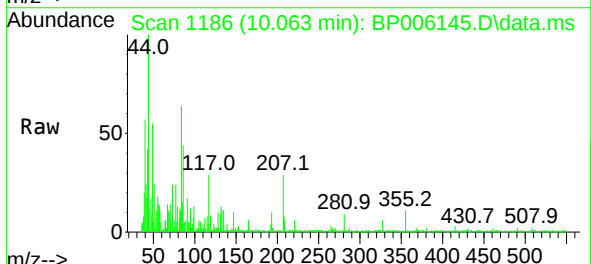
Instrument :
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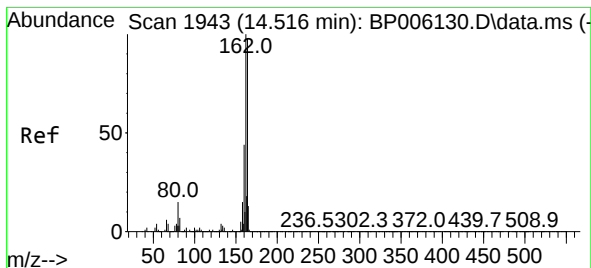
Tgt Ion: 82 Resp: 786378
Ion Ratio Lower Upper
82 100
128 50.2 35.7 53.5
54 44.0 35.0 52.4



#32
Benzoic acid
Concen: 6.908 ng
RT: 10.063 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:122 Resp: 44
Ion Ratio Lower Upper
122 100
105 275.9 103.2 143.2#
77 1151.7 76.2 116.2#

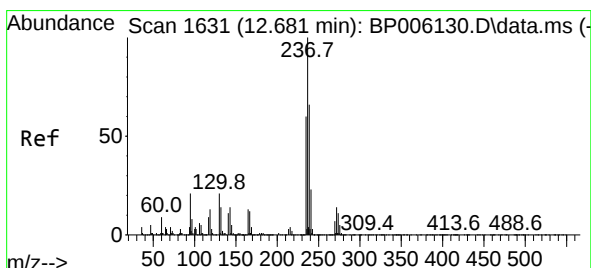
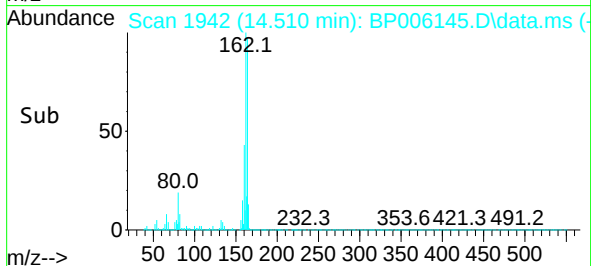
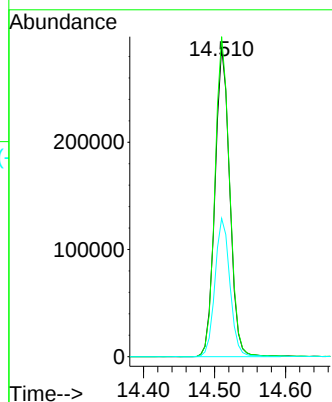
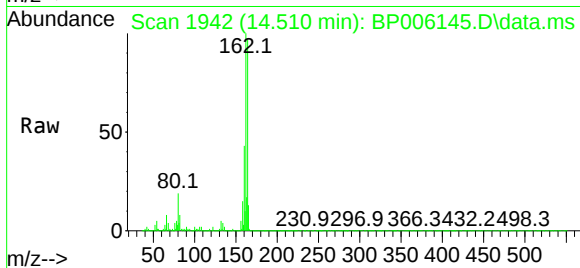




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

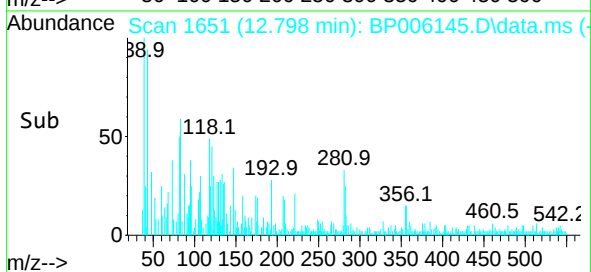
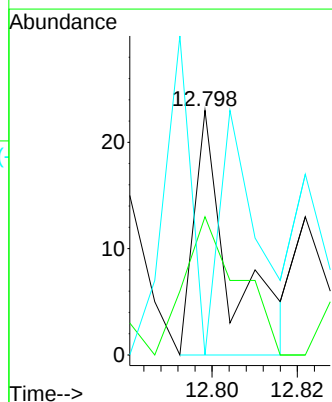
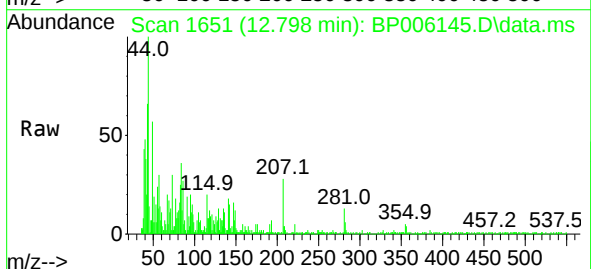
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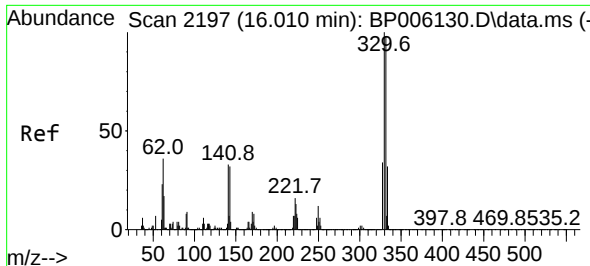
Tgt Ion:164 Resp: 415823
Ion Ratio Lower Upper
164 100
162 103.3 80.2 120.2
160 44.7 34.5 51.7



#41
Hexachlorocyclopentadiene
Concen: 8.707 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.117 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:237 Resp: 14
Ion Ratio Lower Upper
237 100
235 56.5 44.5 84.5
272 0.0 0.0 32.5

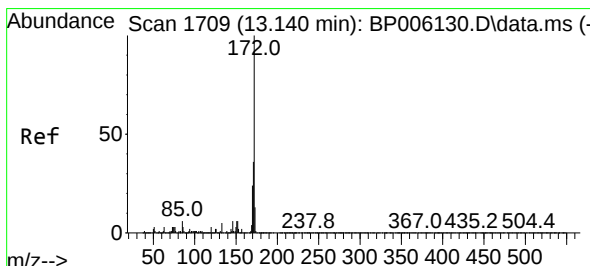
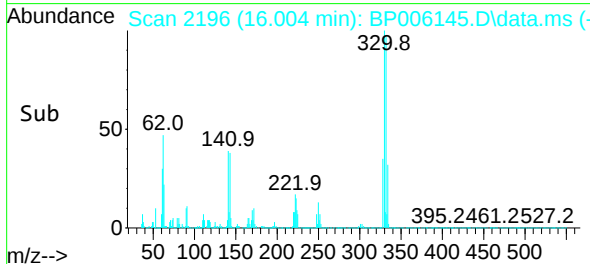
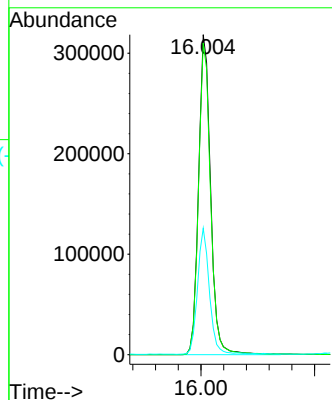
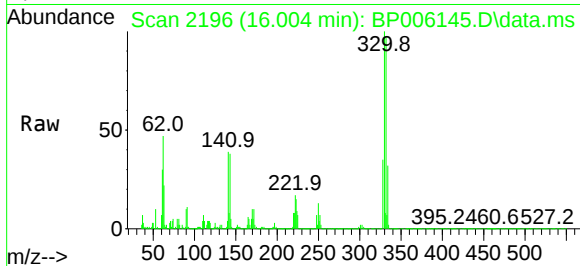




#42
2,4,6-Tribromophenol
Concen: 95.079 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

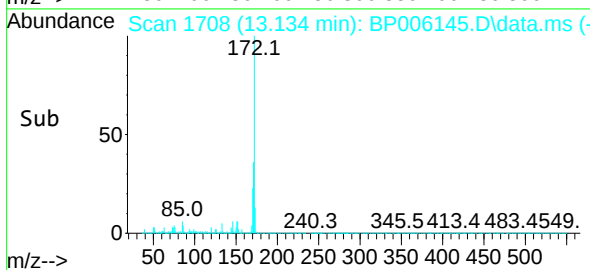
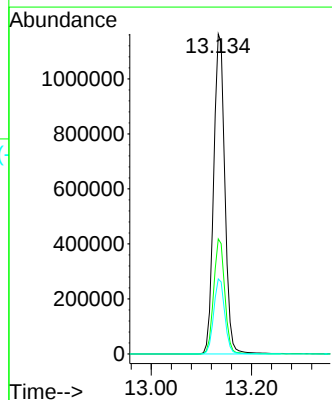
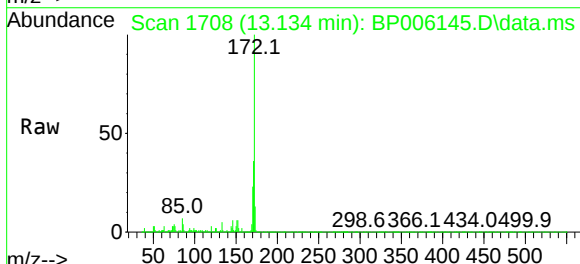
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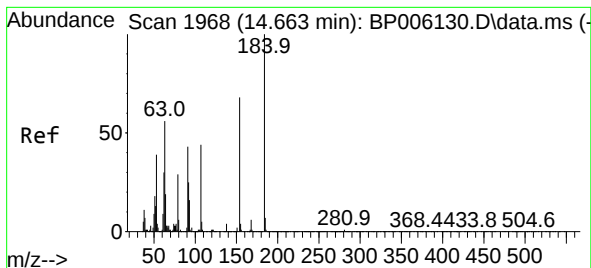
Tgt Ion:330 Resp: 470700
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.8
141 38.9 25.4 38.2#



#45
2-Fluorobiphenyl
Concen: 63.814 ng
RT: 13.134 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:172 Resp: 1794928
Ion Ratio Lower Upper
172 100
171 35.9 27.9 41.9
170 23.4 18.6 27.8

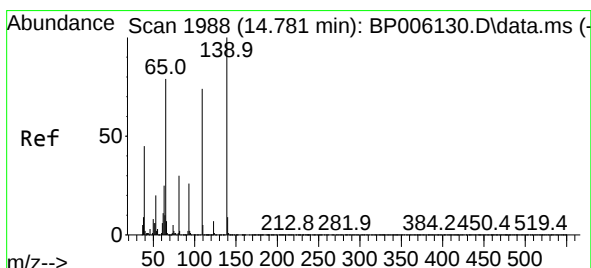
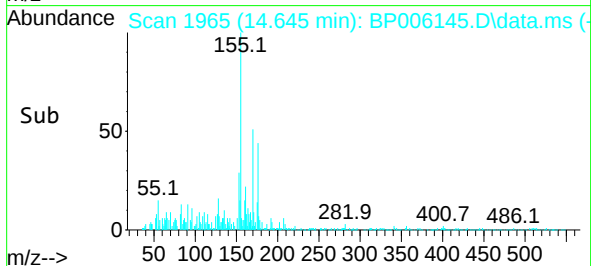
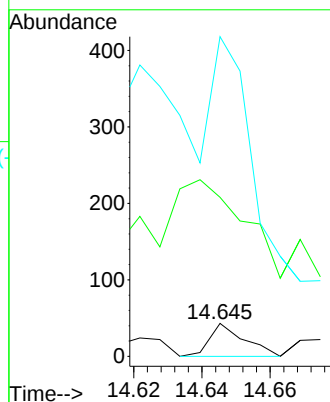
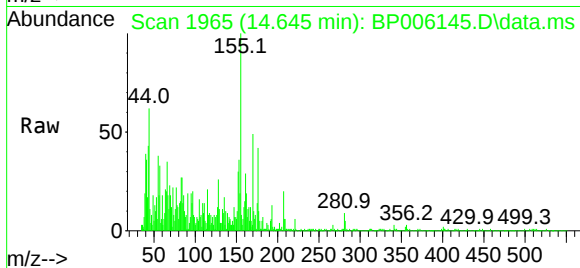




#54
2,4-Dinitrophenol
Concen: 8.887 ng
RT: 14.645 min Scan# 1965
Delta R.T. -0.018 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

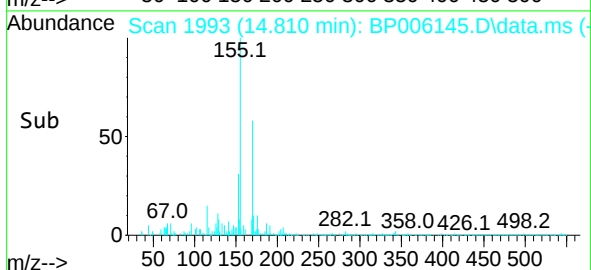
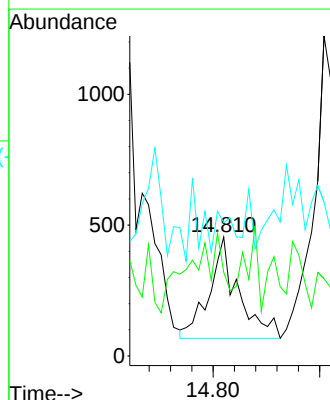
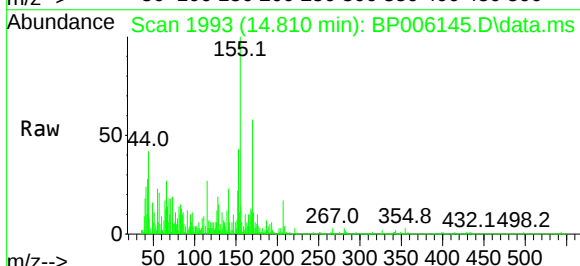
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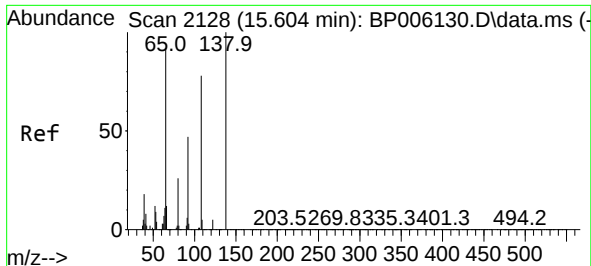
Tgt Ion:184 Resp: 30
Ion Ratio Lower Upper
184 100
63 483.7 47.0 70.6#
154 972.1 52.3 78.5#



#56
4-Nitrophenol
Concen: 7.252 ng
RT: 14.810 min Scan# 1993
Delta R.T. 0.029 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:139 Resp: 734
Ion Ratio Lower Upper
139 100
109 70.5 72.3 112.3#
65 112.3 72.5 112.5

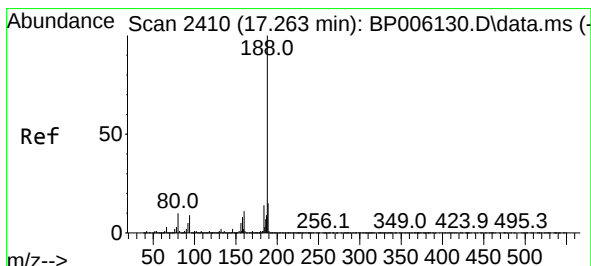
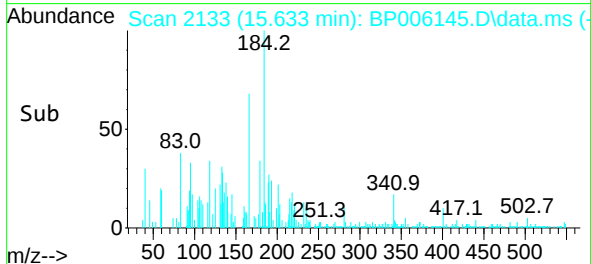
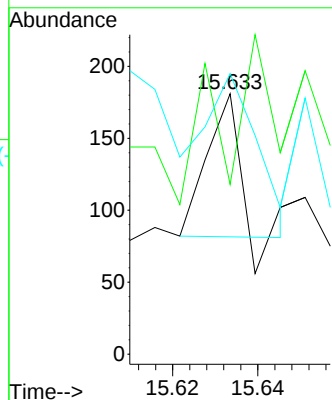
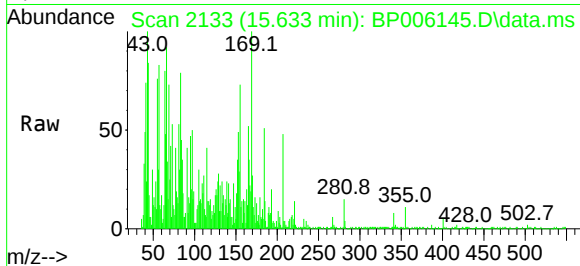




#62
4-Nitroaniline
Concen: 2.966 ng
RT: 15.633 min Scan# 2133
Delta R.T. 0.029 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

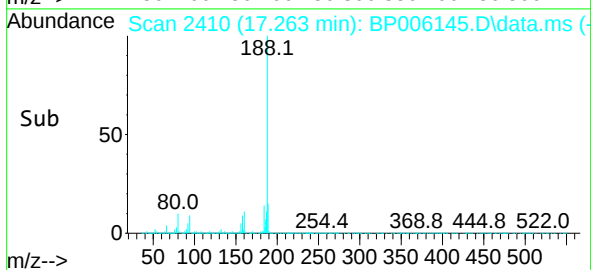
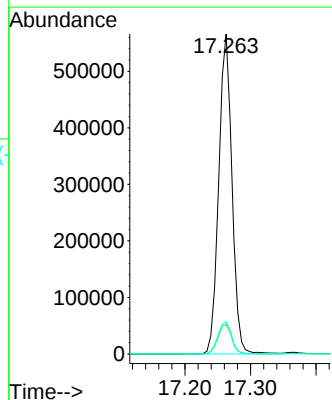
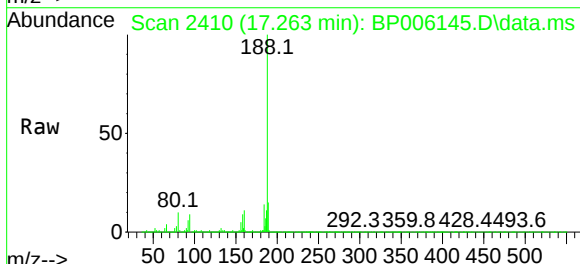
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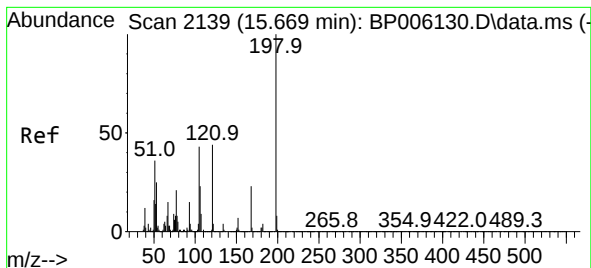
Tgt Ion:138 Resp: 52
Ion Ratio Lower Upper
138 100
92 65.2 31.2 71.2
108 107.7 78.6 118.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:188 Resp: 789967
Ion Ratio Lower Upper
188 100
94 9.2 5.6 8.4#
80 10.1 6.3 9.5#

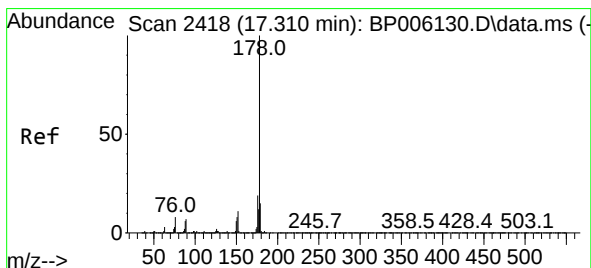
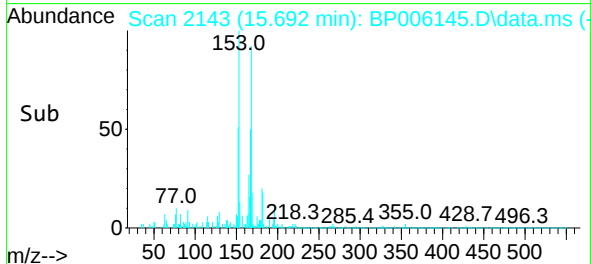
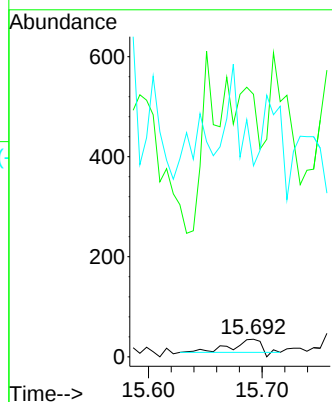
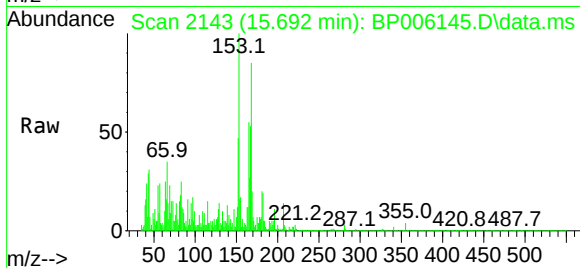




#65
4,6-Dinitro-2-methylphenol
Concen: 4.427 ng
RT: 15.692 min Scan# 2143
Delta R.T. 0.023 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

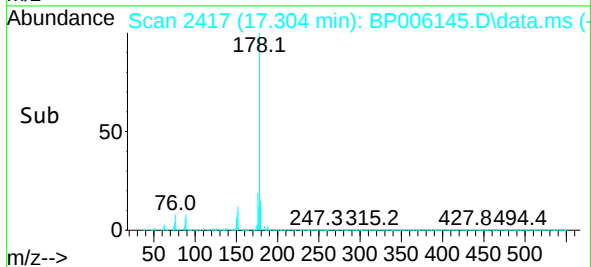
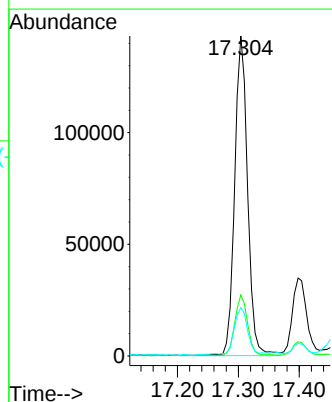
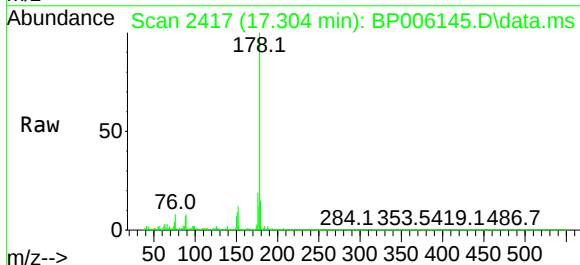
Instrument :
BNA_P
ClientSampleId :
B6-SOIL-BANK

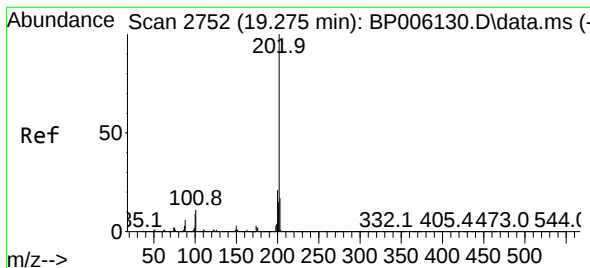
Tgt Ion:198 Resp: 44
Ion Ratio Lower Upper
198 100
51 1500.0 14.0 54.0#
105 1091.4 19.5 59.5#



#71
Phenanthrene
Concen: 4.730 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:178 Resp: 211004
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.1 12.4 18.6

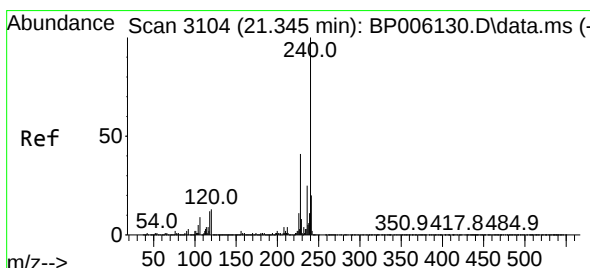
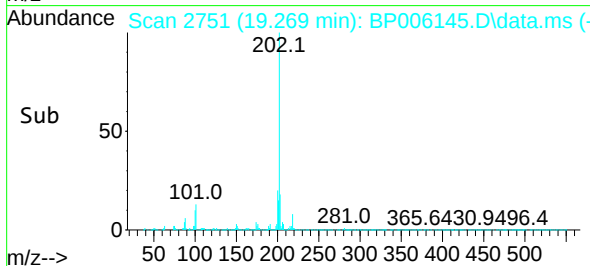
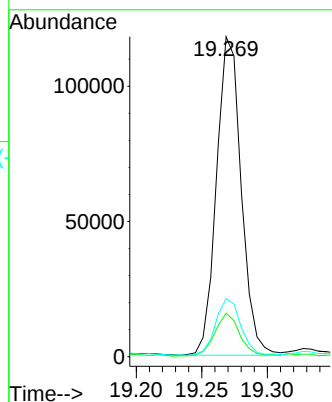
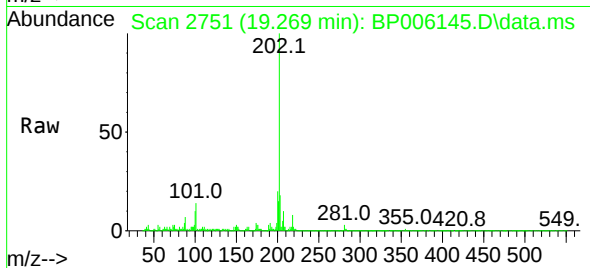




#75
Fluoranthene
Concen: 3.160 ng
RT: 19.269 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

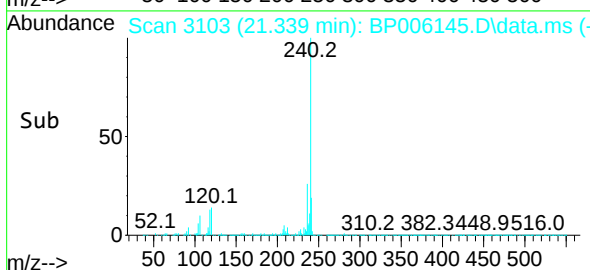
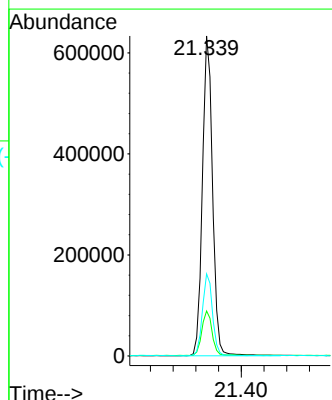
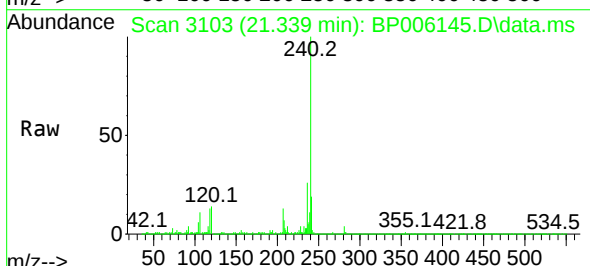
Instrument :
BNA_P
ClientSampleId :
B6-SOIL-BANK

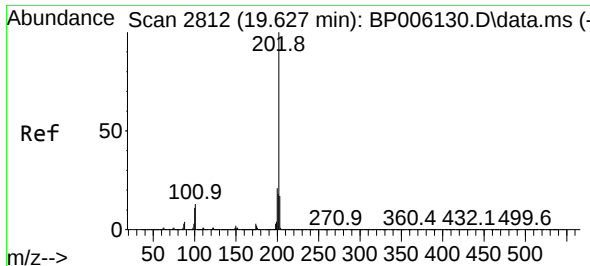
Tgt Ion:202 Resp: 154533
Ion Ratio Lower Upper
202 100
101 13.6 0.0 27.6
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:240 Resp: 785617
Ion Ratio Lower Upper
240 100
120 14.0 6.5 9.7#
236 25.6 20.6 31.0

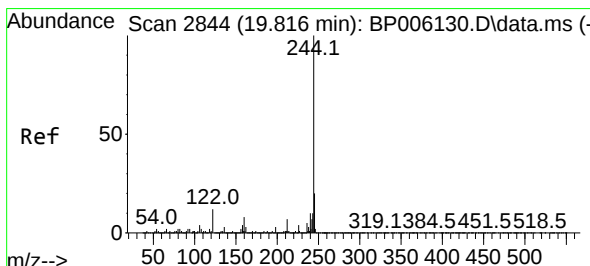
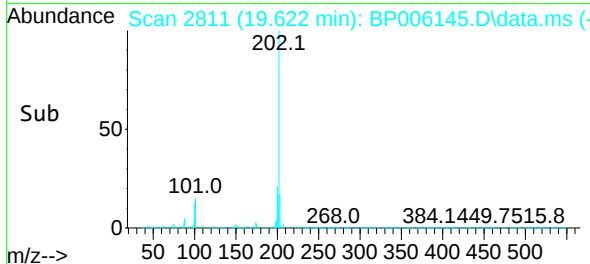
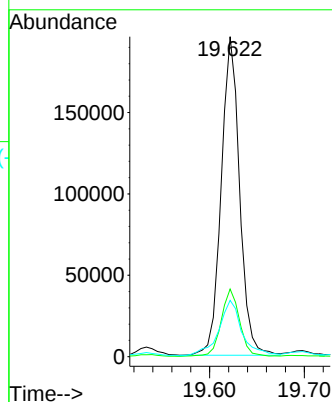
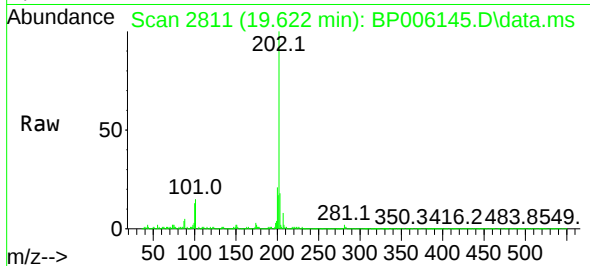




#78
Pyrene
Concen: 4.983 ng
RT: 19.622 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

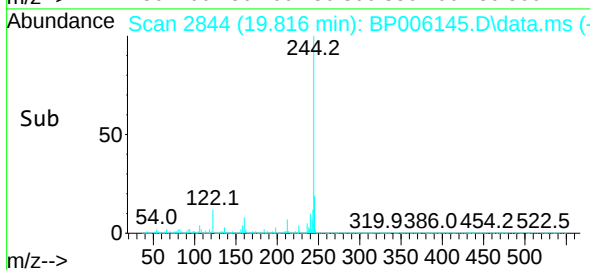
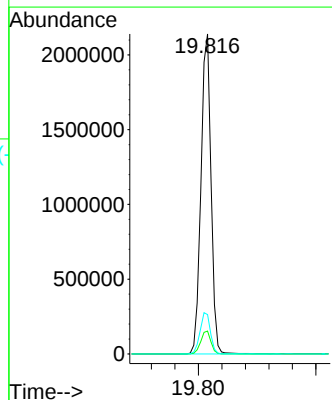
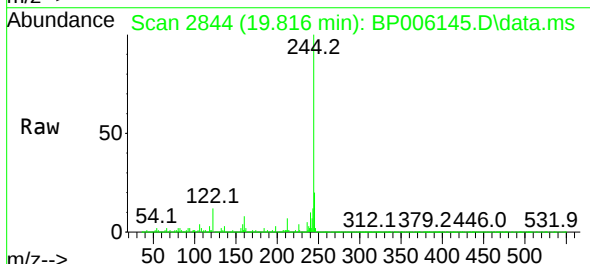
Instrument :
BNA_P
ClientSampleId :
B6-SOIL-BANK

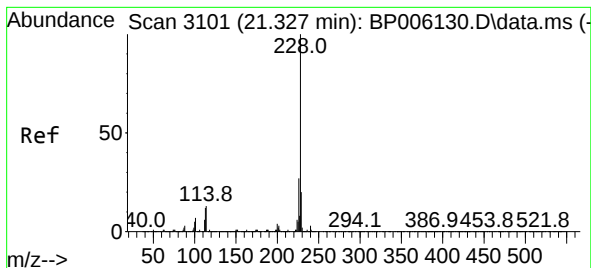
Tgt Ion:202 Resp: 264604
Ion Ratio Lower Upper
202 100
200 21.1 16.3 24.5
203 17.6 14.2 21.2



#79
Terphenyl-d14
Concen: 63.516 ng
RT: 19.816 min Scan# 2844
Delta R.T. -0.000 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:244 Resp: 2530862
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 12.3 7.1 10.7#





#81

Benzo(a)anthracene

Concen: 2.133 ng

RT: 21.374 min Scan# 3109

Delta R.T. 0.047 min

Lab File: BP006145.D

Acq: 08 Jul 2021 18:09

Instrument :

BNA_P

ClientSampleId :

B6-SOIL-BANK

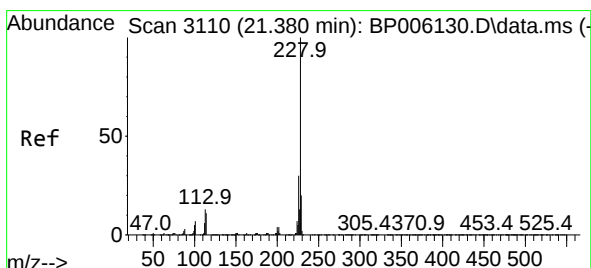
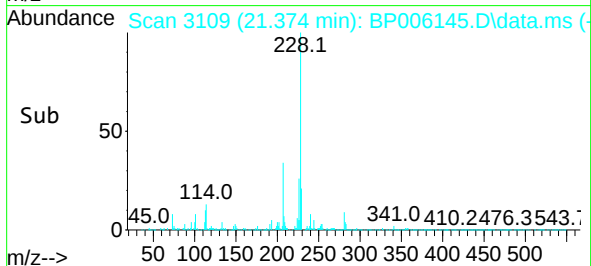
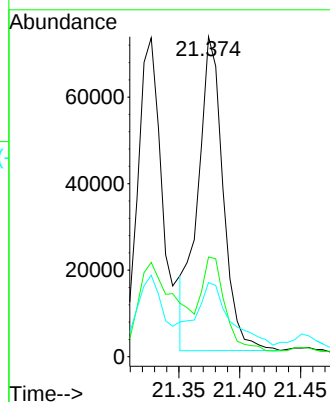
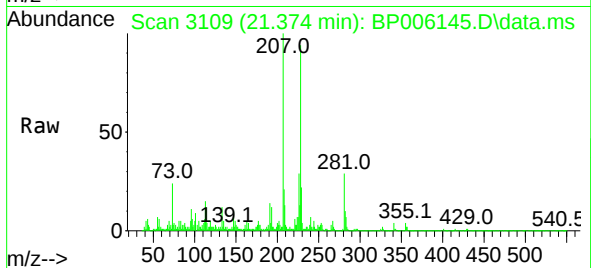
Tgt Ion:228 Resp: 106003

Ion Ratio Lower Upper

228 100

226 31.1 21.6 32.4

229 23.2 15.8 23.6



#83

Chrysene

Concen: 2.159 ng

RT: 21.374 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP006145.D

Acq: 08 Jul 2021 18:09

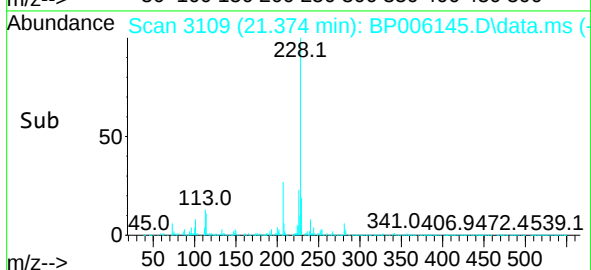
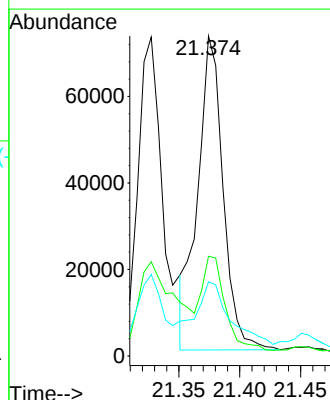
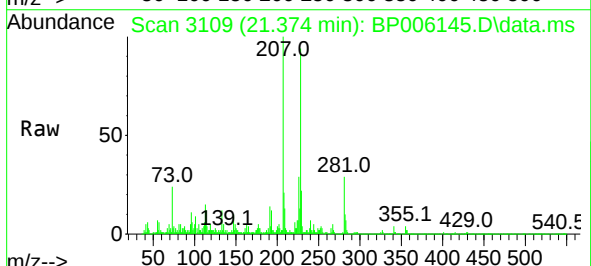
Tgt Ion:228 Resp: 106003

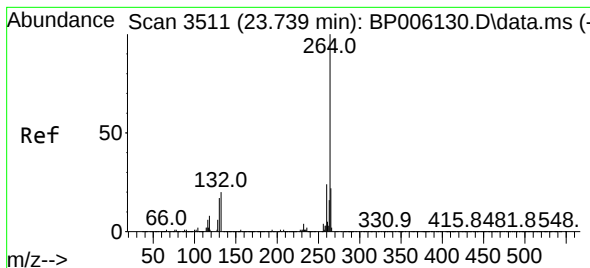
Ion Ratio Lower Upper

228 100

226 31.1 23.8 35.6

229 23.2 15.4 23.2#

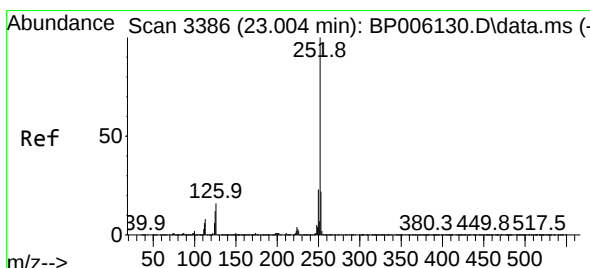
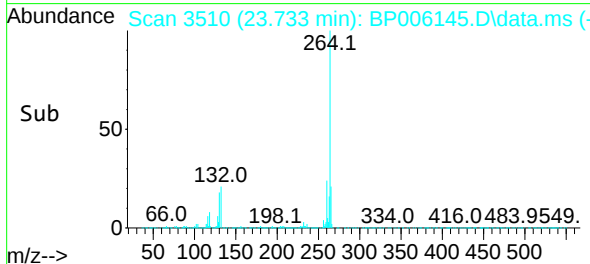
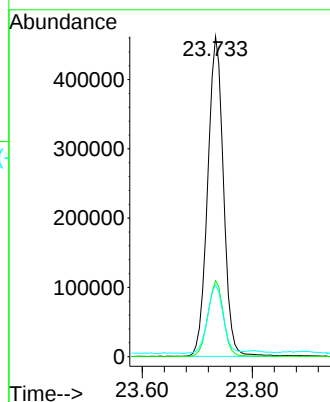
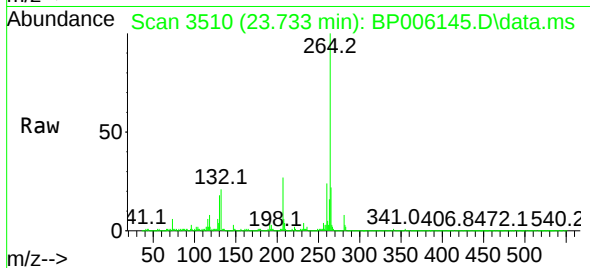




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3510
Delta R.T. -0.006 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

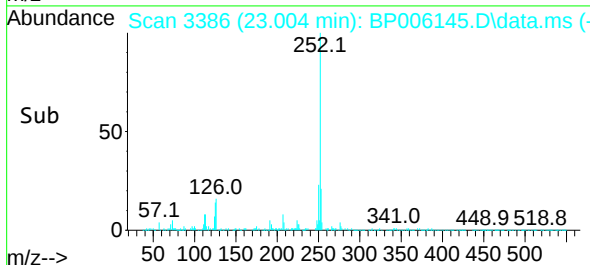
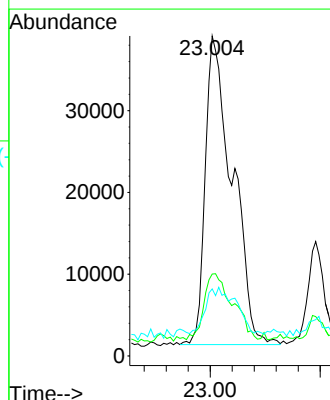
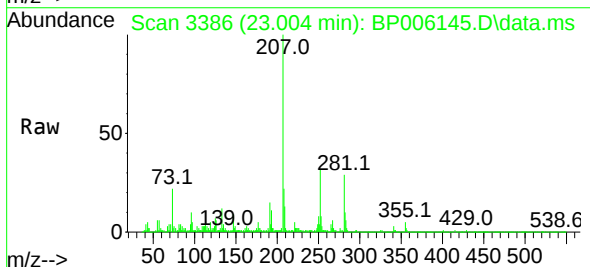
Instrument :
BNA_P
ClientSampleId :
B6-SOIL-BANK

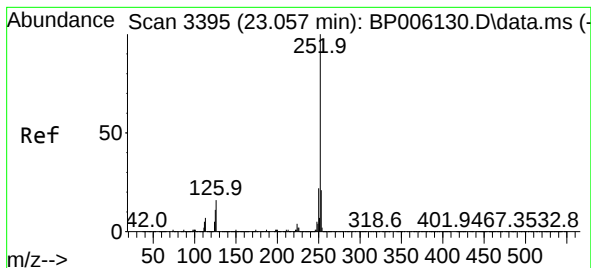
Tgt Ion:264 Resp: 920580
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 22.4 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 2.307 ng
RT: 23.004 min Scan# 3386
Delta R.T. -0.000 min
Lab File: BP006145.D
Acq: 08 Jul 2021 18:09

Tgt Ion:252 Resp: 128817
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 20.9 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 2.360 ng

RT: 23.004 min Scan# 3386

Delta R.T. -0.053 min

Lab File: BP006145.D

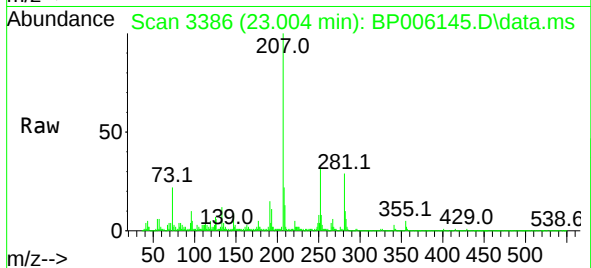
Acq: 08 Jul 2021 18:09

Instrument :

BNA_P

ClientSampleId :

B6-SOIL-BANK



Tgt Ion:252 Resp: 128817

Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

125 20.9 6.0 9.0#

