

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081721\
 Data File : BP006736.D
 Acq On : 18 Aug 2021 01:28
 Operator : CG/JU
 Sample : M3439-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-SOIL-COMP

Quant Time: Aug 18 05:03:49 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:17:59 2021
 Response via : Initial Calibration

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

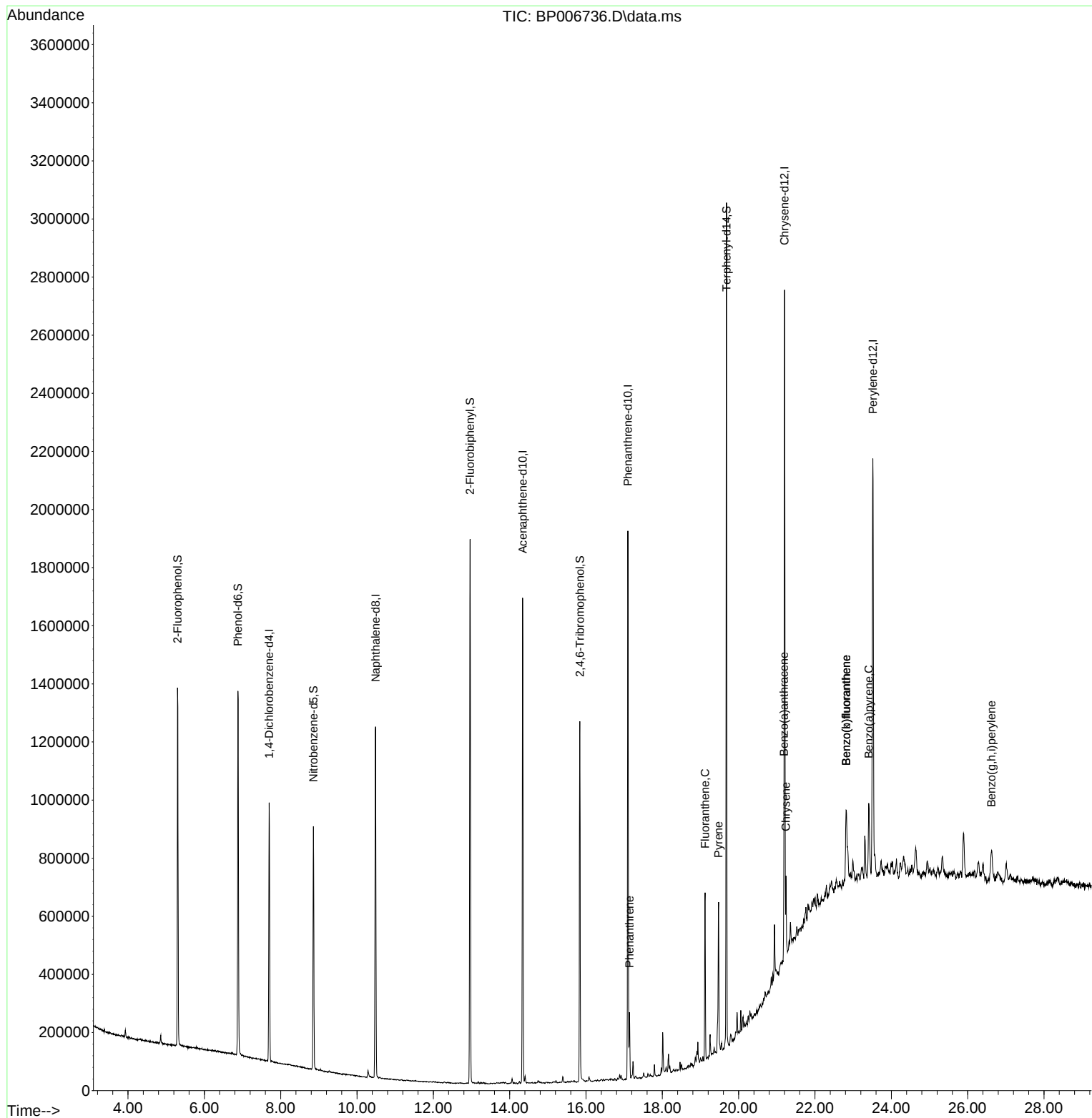
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	220269	20.000	ng	0.00
21) Naphthalene-d8	10.487	136	943935	20.000	ng	# 0.00
39) Acenaphthene-d10	14.339	164	501386	20.000	ng	0.00
64) Phenanthrene-d10	17.098	188	956944	20.000	ng	# 0.00
76) Chrysene-d12	21.204	240	893578	20.000	ng	# 0.00
86) Perylene-d12	23.515	264	943825	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	530763	37.010	ng	0.00
7) Phenol-d6	6.881	99	713298	35.014	ng	0.00
23) Nitrobenzene-d5	8.857	82	488820	23.903	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	183773	35.071	ng	0.00
45) 2-Fluorobiphenyl	12.963	172	863500	25.767	ng	0.00
79) Terphenyl-d14	19.680	244	1119801	25.111	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.139	178	120439	2.231	ng	99
75) Fluoranthene	19.122	202	308724	5.096	ng	94
78) Pyrene	19.474	202	280021	4.692	ng	99
81) Benzo(a)anthracene	21.186	228	148752	2.547	ng	97
83) Chrysene	21.239	228	135678	2.397	ng	95
88) Benzo(b)fluoranthene	22.815	252	275632	4.493	ng	# 89
89) Benzo(k)fluoranthene	22.815	252	275632	4.680	ng	# 89
90) Benzo(a)pyrene	23.410	252	157909	2.870	ng	# 92
92) Benzo(g,h,i)perylene	26.621	276	123291	2.174	ng	# 89

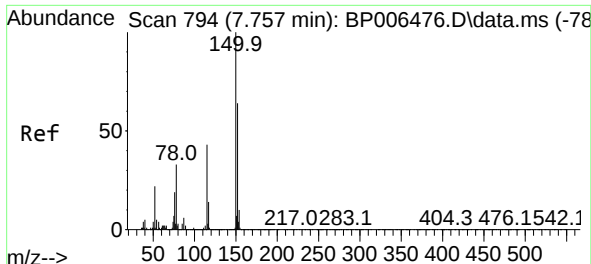
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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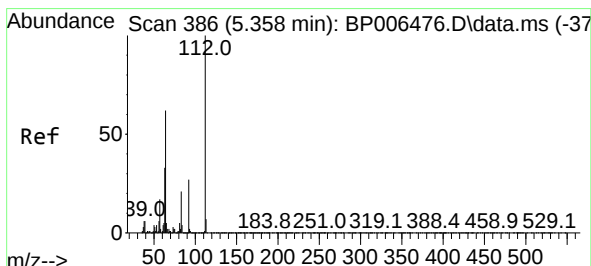
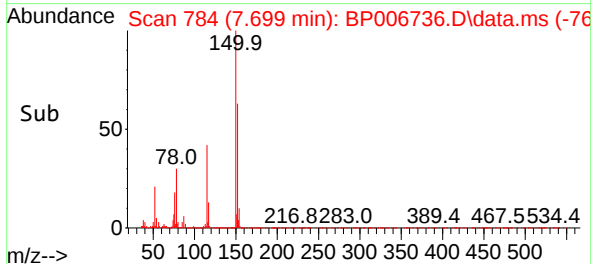
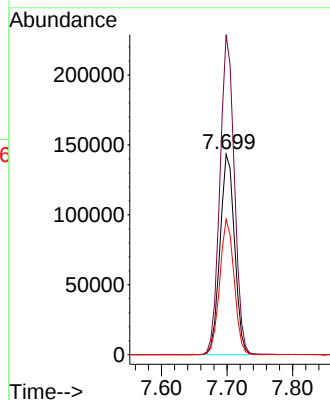
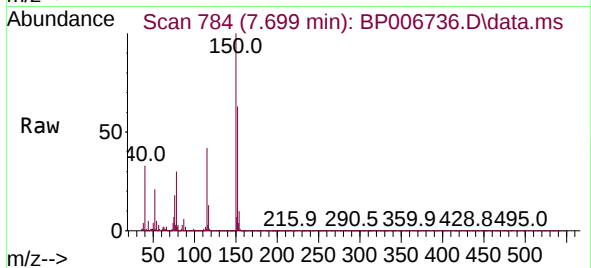




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.699 min Scan# 784
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

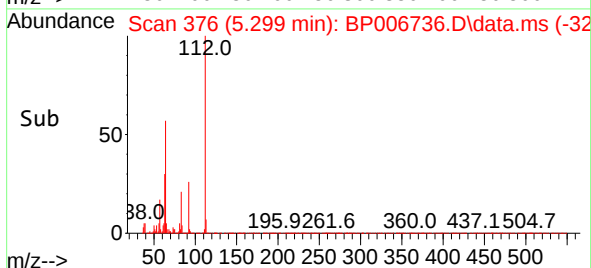
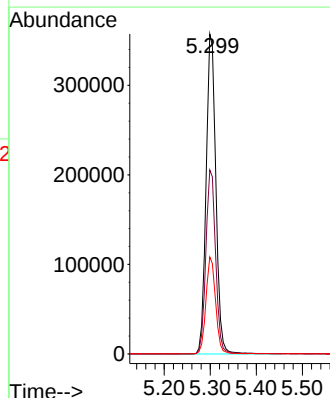
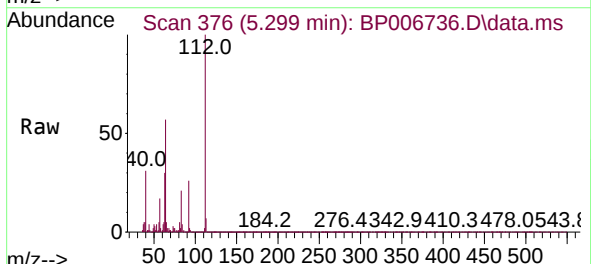
Instrument :
BNA_P
ClientSampleId :
HD-SOIL-COMP

Tgt Ion:152 Resp: 220269
Ion Ratio Lower Upper
152 100
150 159.6 125.6 188.4
115 67.5 48.5 72.7



#5
2-Fluorophenol
Concen: 37.010 ng
RT: 5.299 min Scan# 376
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:112 Resp: 530763
Ion Ratio Lower Upper
112 100
64 57.5 41.4 62.2
63 30.3 23.8 35.8

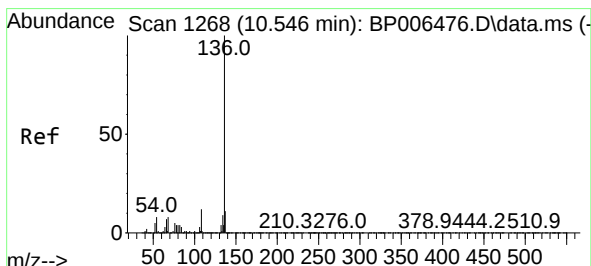
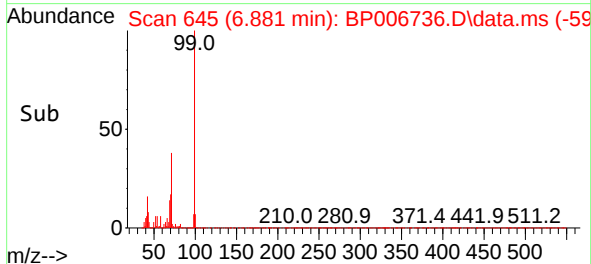
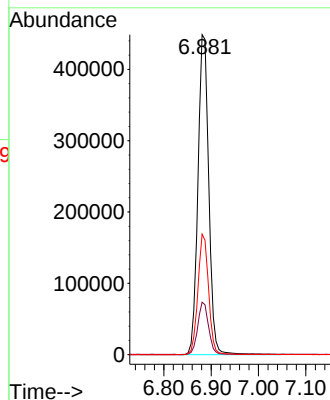
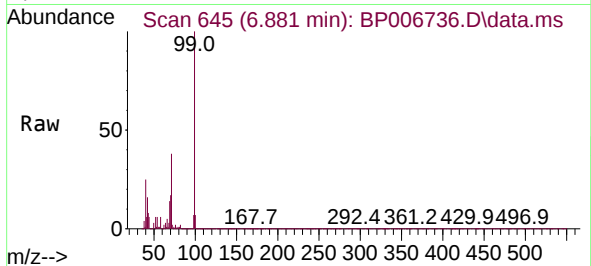




#7
Phenol-d6
Concen: 35.014 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

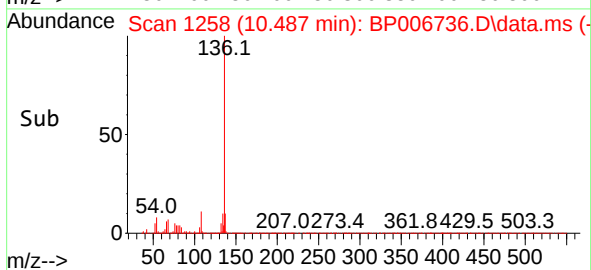
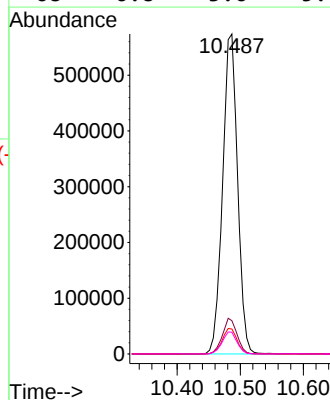
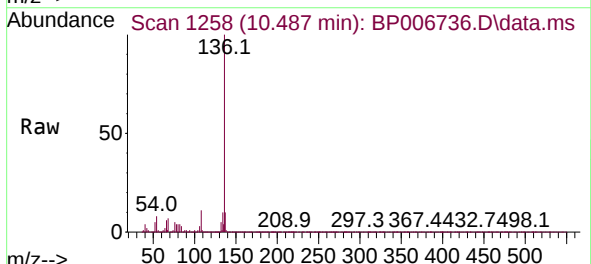
Instrument :
BNA_P
ClientSampleId :
HD-SOIL-COMP

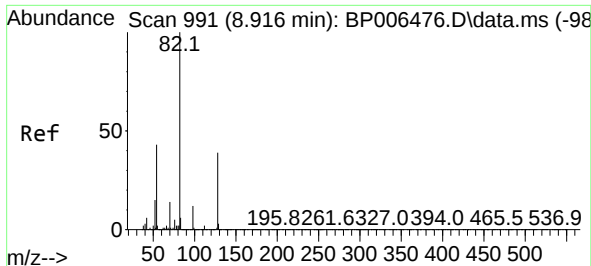
Tgt Ion:	99	Resp:	713298
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.4	20.0
71	37.6	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:	136	Resp:	943935
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	12.8
54	7.8	4.6	6.8#
68	6.8	3.6	5.4#

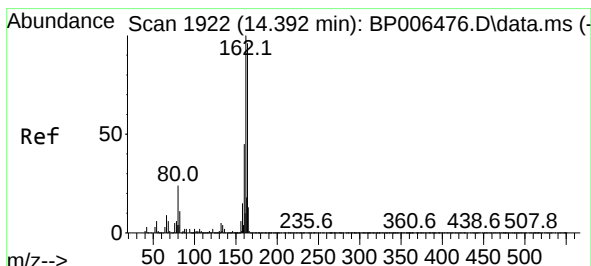
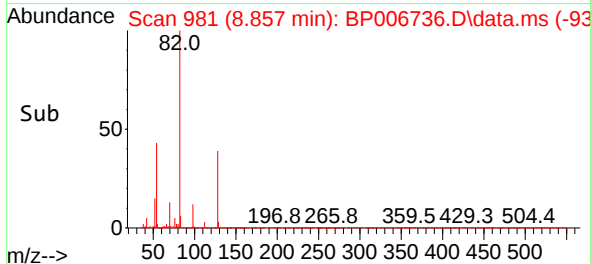
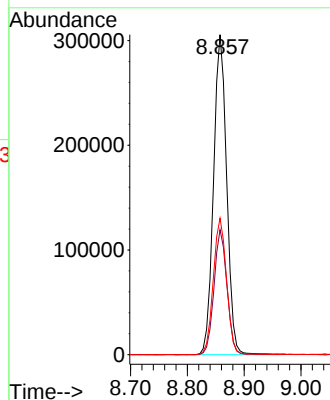
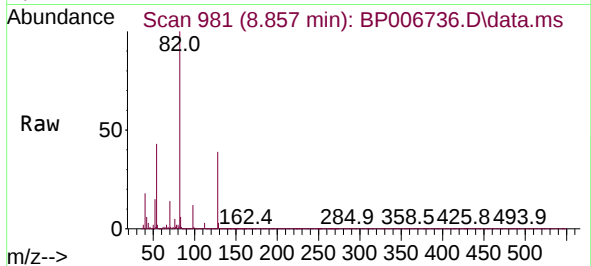




#23
Nitrobenzene-d5
Concen: 23.903 ng
RT: 8.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

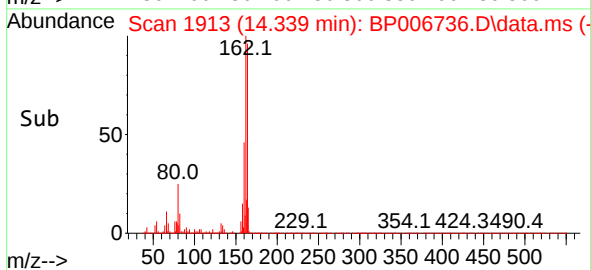
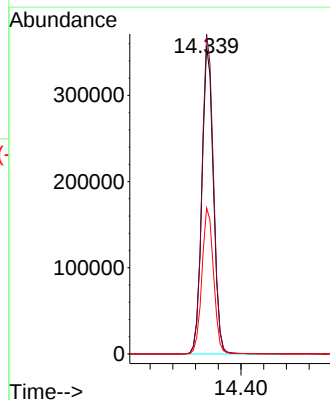
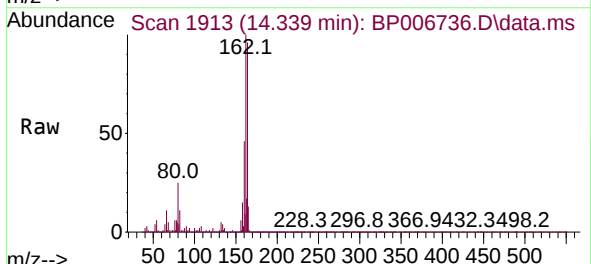
Instrument :
BNA_P
ClientSampleId :
HD-SOIL-COMP

Tgt Ion: 82 Resp: 488820
Ion Ratio Lower Upper
82 100
128 39.1 35.7 53.5
54 42.7 35.0 52.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.339 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:164 Resp: 501386
Ion Ratio Lower Upper
164 100
162 103.8 80.2 120.2
160 47.4 34.5 51.7

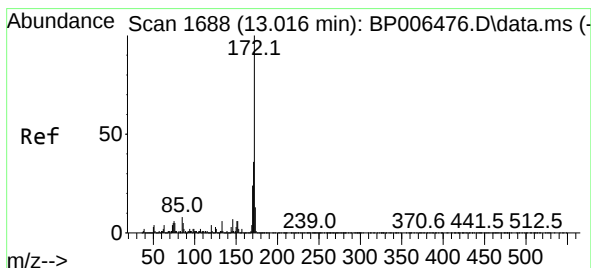
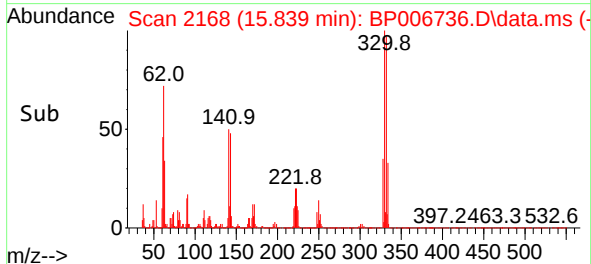
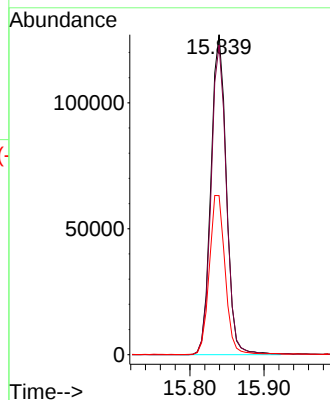
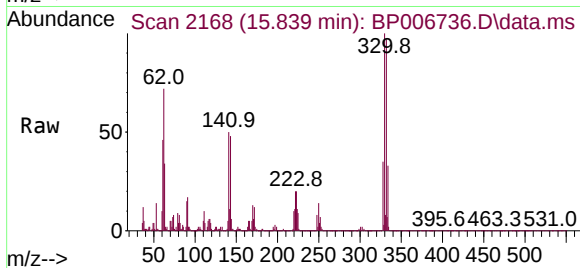




#42
2,4,6-Tribromophenol
Concen: 35.071 ng
RT: 15.839 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

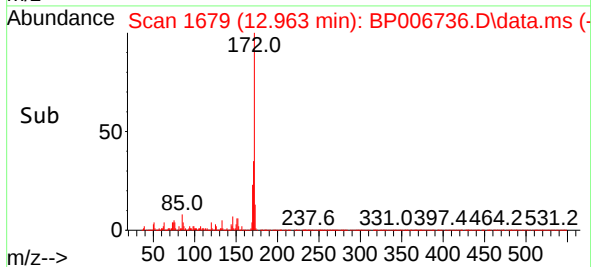
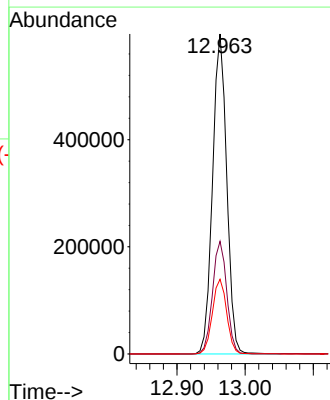
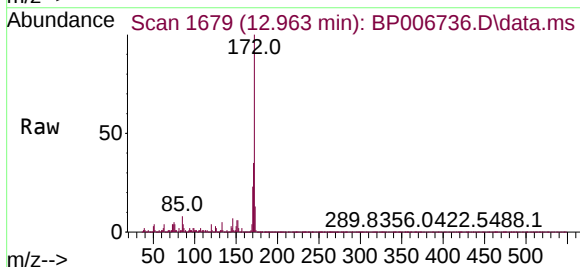
Instrument :
BNA_P
ClientSampleId :
HD-SOIL-COMP

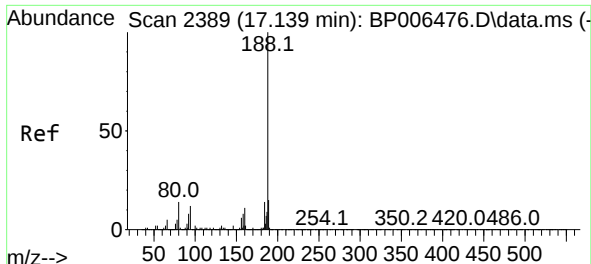
Tgt Ion:330 Resp: 183773
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.8
141 51.1 25.4 38.2#



#45
2-Fluorobiphenyl
Concen: 25.767 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:172 Resp: 863500
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.3 18.6 27.8

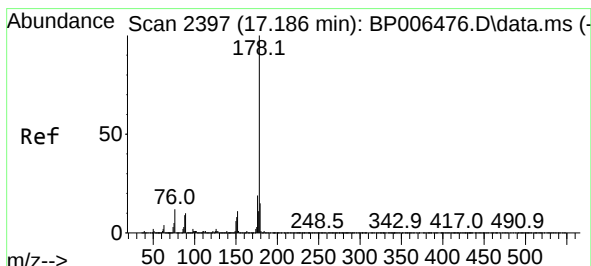
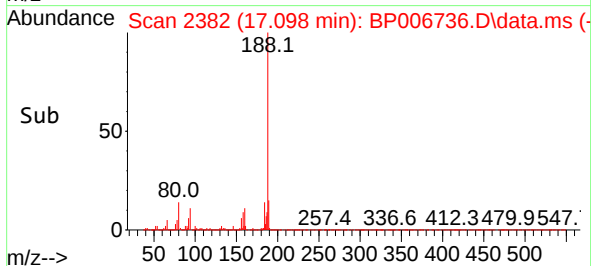
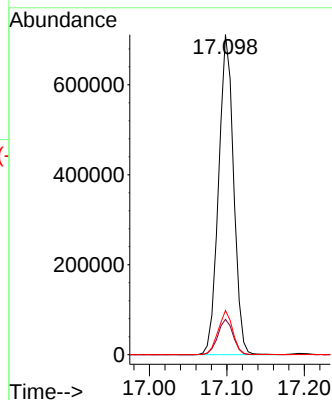
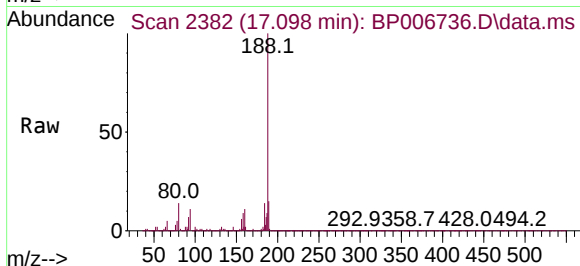




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

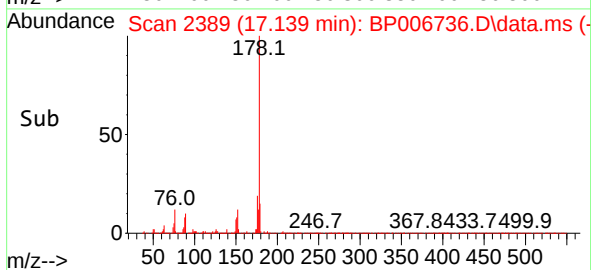
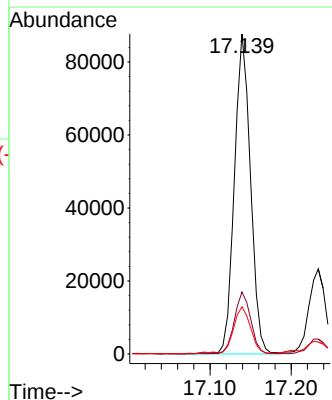
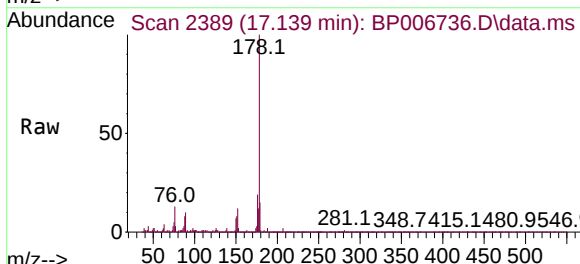
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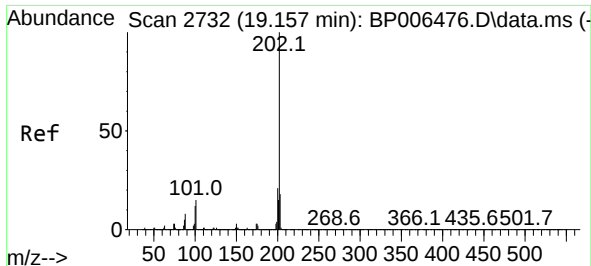
Tgt Ion:188 Resp: 956944
Ion Ratio Lower Upper
188 100
94 11.0 5.6 8.4#
80 13.8 6.3 9.5#



#71
Phenanthrene
Concen: 2.231 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:178 Resp: 120439
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 14.7 12.4 18.6

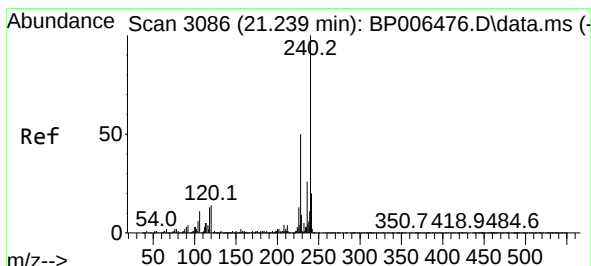
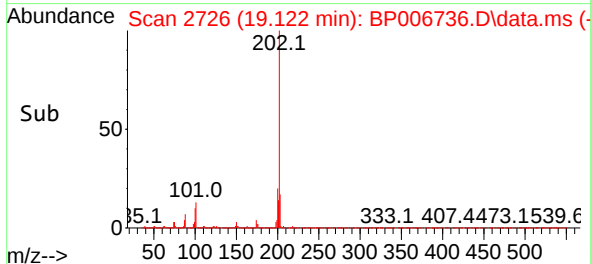
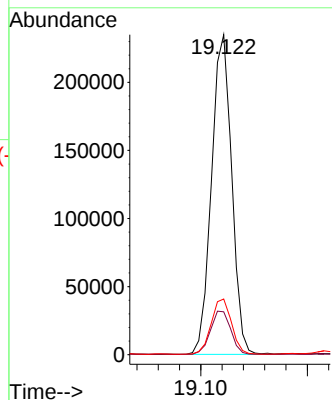
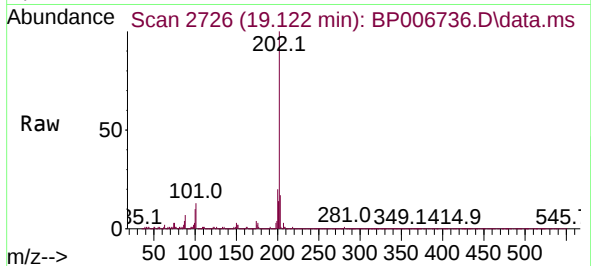




#75
Fluoranthene
Concen: 5.096 ng
RT: 19.122 min Scan# 2726
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

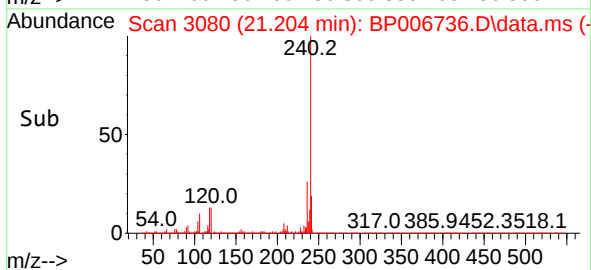
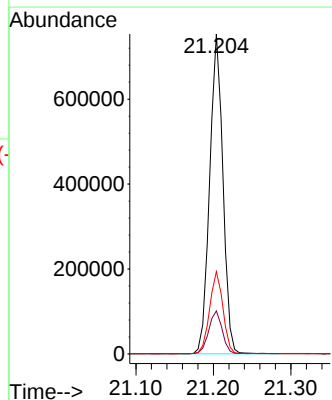
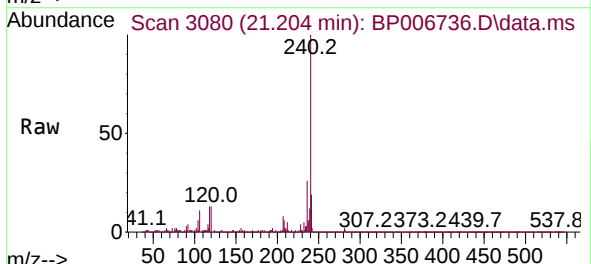
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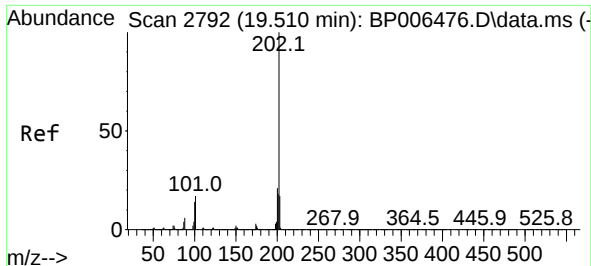
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Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	27.6
203	17.4	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.204 min Scan# 3080
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:	240	Resp:	893578
Ion Ratio	Lower	Upper	
240	100		
120	13.4	6.5	9.7#
236	25.7	20.6	31.0

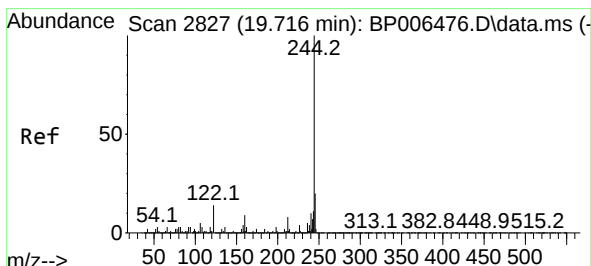
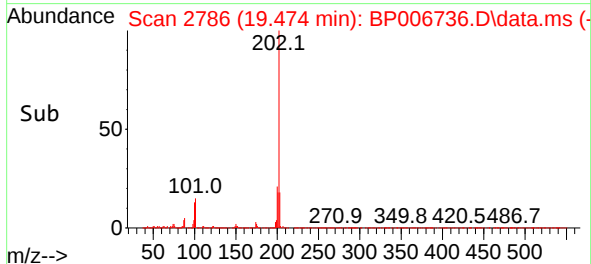
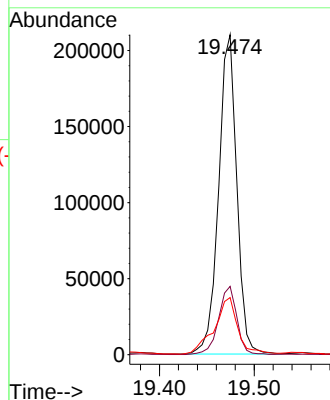
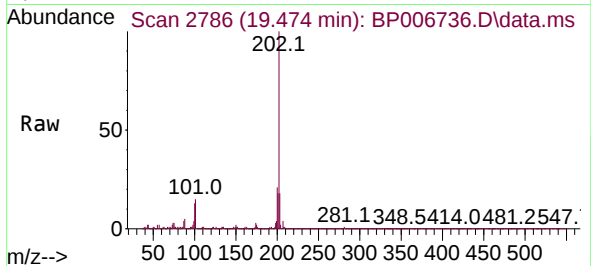




#78
Pyrene
Concen: 4.692 ng
RT: 19.474 min Scan# 2786
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

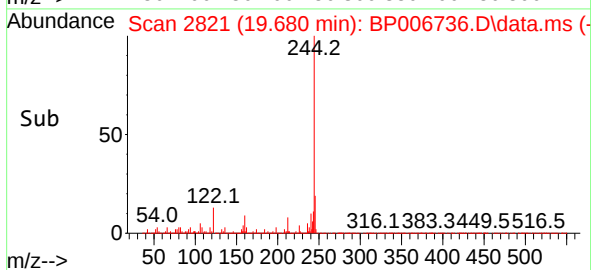
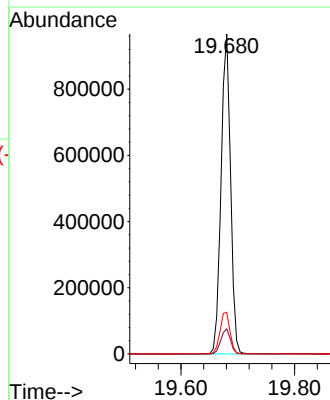
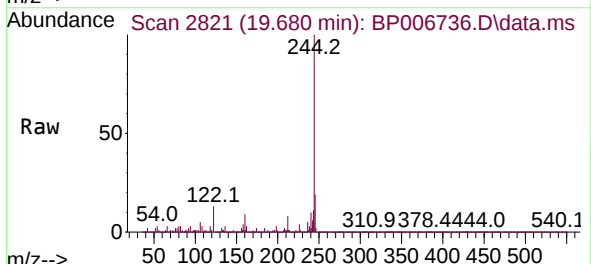
Instrument :
BNA_P
ClientSampleId :
HD-SOIL-COMP

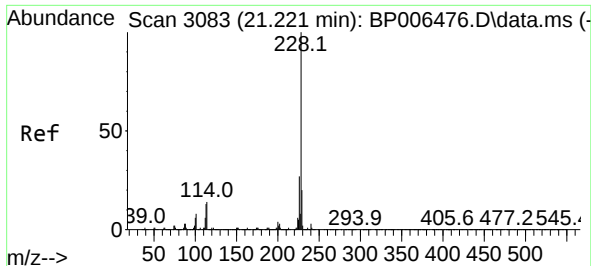
Tgt Ion:202 Resp: 280021
Ion Ratio Lower Upper
202 100
200 21.3 16.3 24.5
203 17.8 14.2 21.2



#79
Terphenyl-d14
Concen: 25.111 ng
RT: 19.680 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:244 Resp: 1119801
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 13.1 7.1 10.7#

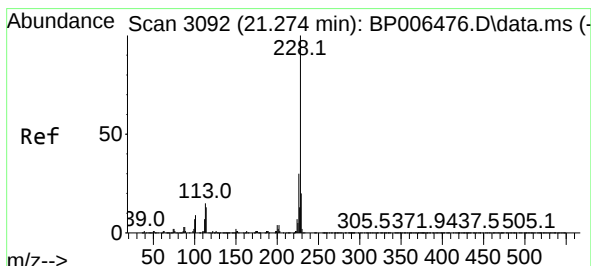
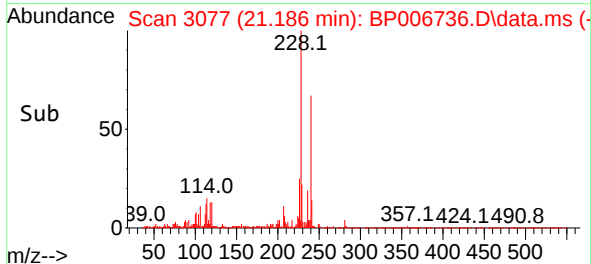
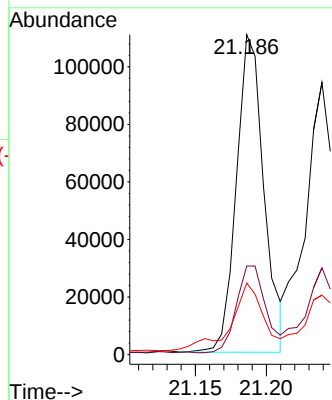
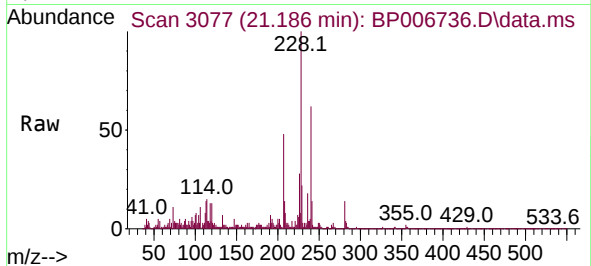




#81
Benzo(a)anthracene
Concen: 2.547 ng
RT: 21.186 min Scan# 3077
Delta R.T. -0.012 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

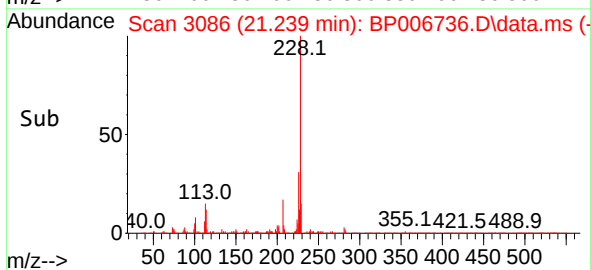
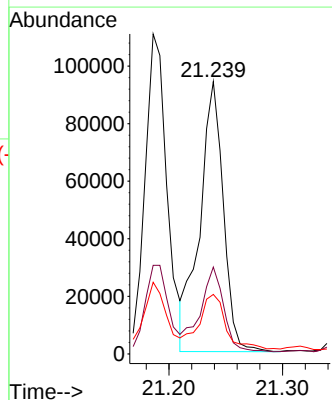
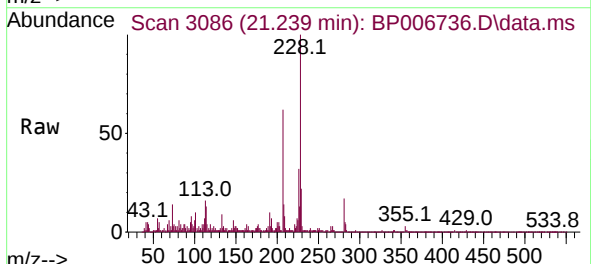
Instrument :
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ClientSampleId :
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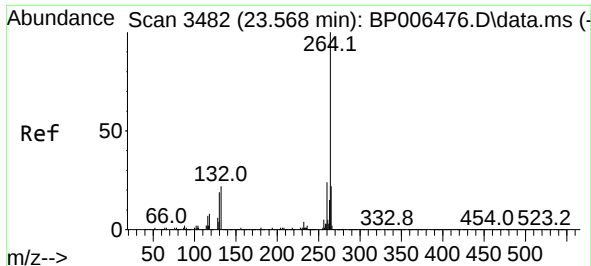
Tgt Ion:228 Resp: 148752
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 22.4 15.8 23.6



#83
Chrysene
Concen: 2.397 ng
RT: 21.239 min Scan# 3086
Delta R.T. -0.012 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:228 Resp: 135678
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.6
229 21.9 15.4 23.2

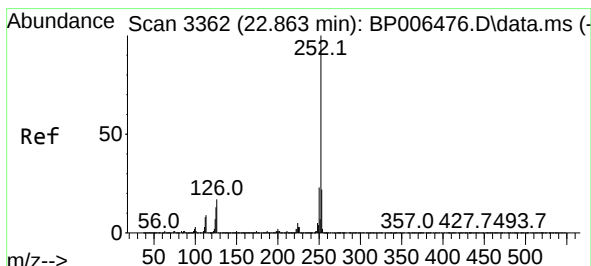
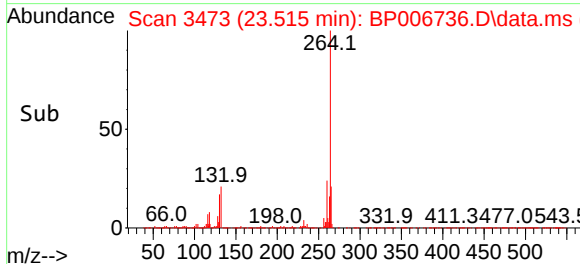
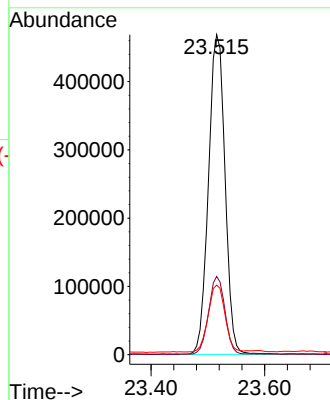
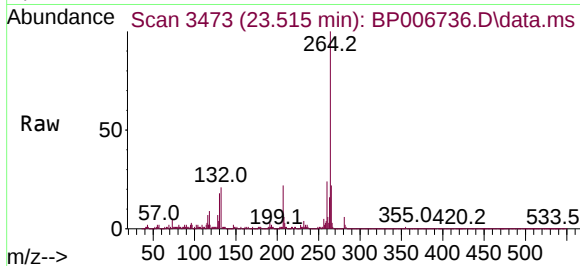




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.515 min Scan# 3473
Delta R.T. -0.012 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

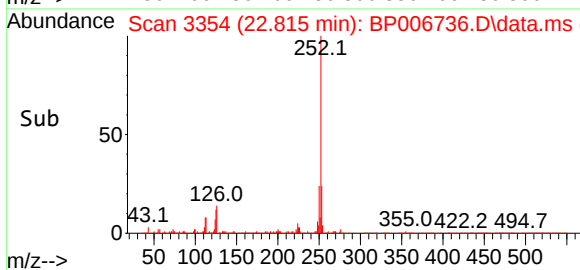
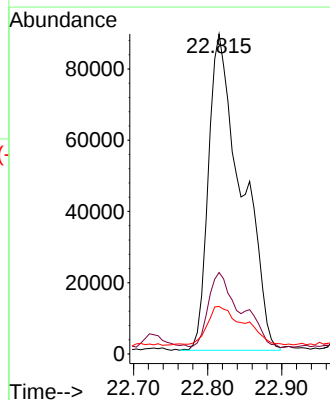
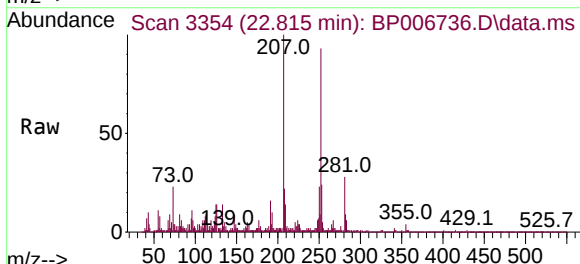
Instrument :
BNA_P
ClientSampleId :
HD-SOIL-COMP

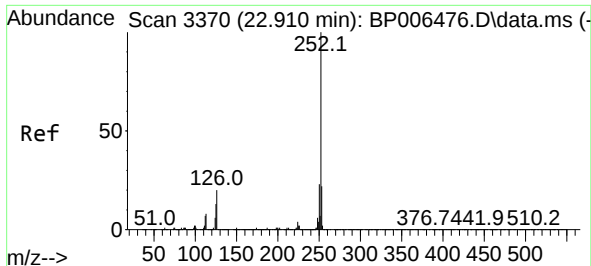
Tgt Ion:264 Resp: 943825
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 21.8 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 4.493 ng
RT: 22.815 min Scan# 3354
Delta R.T. -0.006 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:252 Resp: 275632
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 14.9 6.2 9.4#

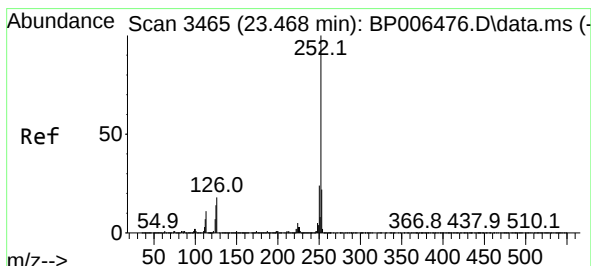
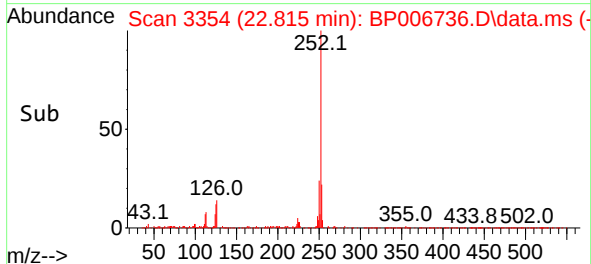
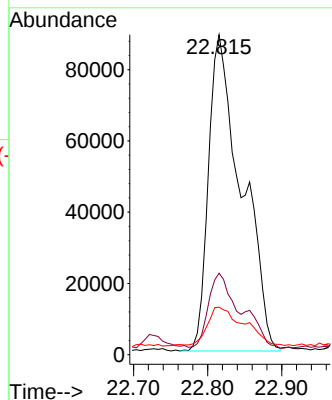
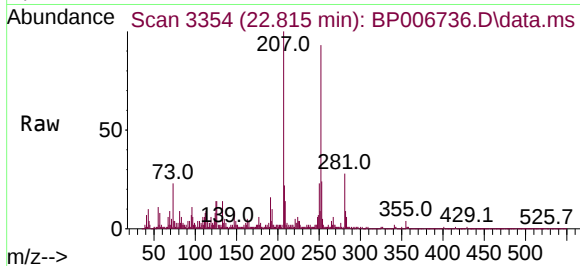




#89
Benzo(k)fluoranthene
Concen: 4.680 ng
RT: 22.815 min Scan# 3354
Delta R.T. -0.059 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

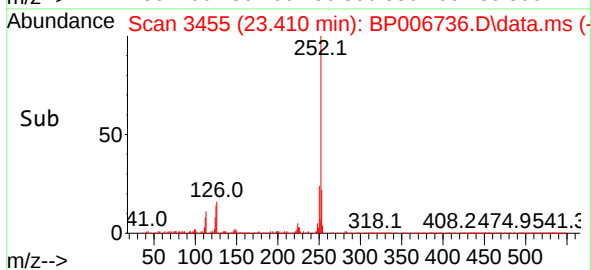
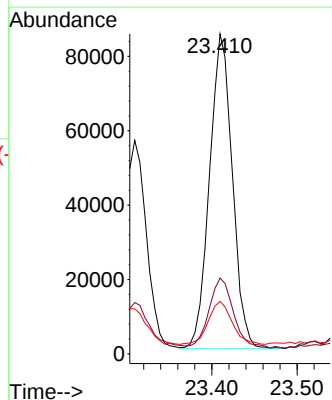
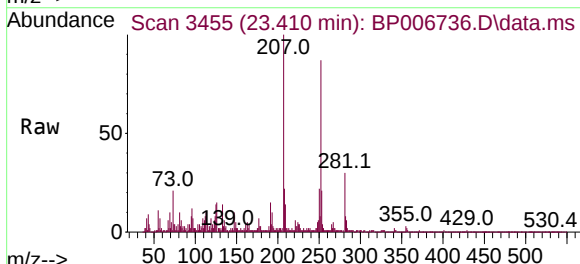
Instrument :
BNA_P
ClientSampleId :
HD-SOIL-COMP

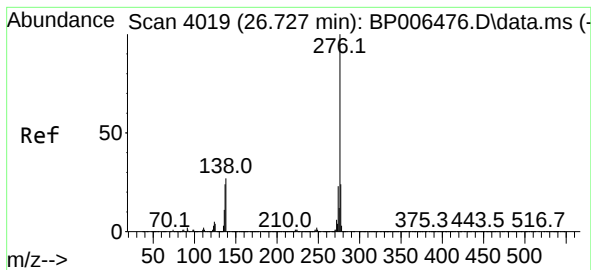
Tgt Ion:252 Resp: 275632
Ion Ratio Lower Upper
252 100
253 25.5 17.6 26.4
125 14.9 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 2.870 ng
RT: 23.410 min Scan# 3455
Delta R.T. -0.012 min
Lab File: BP006736.D
Acq: 18 Aug 2021 01:28

Tgt Ion:252 Resp: 157909
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 16.4 6.5 9.7#





#92
 Benzo(g,h,i)perylene
 Concen: 2.174 ng
 RT: 26.621 min Scan# 4001
 Delta R.T. -0.035 min
 Lab File: BP006736.D
 Acq: 18 Aug 2021 01:28

Instrument :
 BNA_P
 ClientSampleId :
 HD-SOIL-COMP

Tgt Ion:	276	Resp:	123291
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.9	28.3
138	26.2	12.6	18.8#

