

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
 Data File : BP004592.D
 Acq On : 16 Jan 2021 00:00
 Operator : CG/JU
 Sample : M1156-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VCP-EXC-SOIL

Manual Integrations
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Quant Time: Jan 16 02:21:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 12 15:19:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	191804	20.00	ng	-0.01
21) Naphthalene-d8	10.599	136	761512	20.00	ng	#-0.01
39) Acenaphthene-d10	14.457	164	481068	20.00	ng	-0.01
64) Phenanthrene-d10	17.216	188	1040656	20.00	ng	-0.01
76) Chrysene-d12	21.310	240	1155895	20.00	ng	-0.01
86) Perylene-d12	23.657	264	1232689	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1025318	93.17	ng	0.00
7) Phenol-d6	6.981	99	1289054	85.52	ng	0.00
23) Nitrobenzene-d5	8.963	82	713650	52.98	ng	-0.01
42) 2,4,6-Tribromophenol	15.957	330	621540	74.31	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	1638465	44.28	ng	-0.01
79) Terphenyl-d14	19.780	244	2225257	35.17	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.651	128	295391	7.06	ng	98
37) 2-Methylnaphthalene	12.269	142	72696	2.36	ng	98
38) 1-Methylnaphthalene	12.487	142	268413	9.19	ng	100
50) Dimethylphthalate	13.904	163	171974	4.31	ng	# 98
52) Acenaphthene	14.522	154	204647	7.06	ng	99
55) Dibenzofuran	14.857	168	187254	3.99	ng	# 85
58) Fluorene	15.510	166	305329	8.15	ng	98
71) Phenanthrene	17.263	178	2243414	37.60	ng	100
72) Anthracene	17.351	178	669463	11.58	ng	99
73) Carbazole	17.622	167	253662	4.71	ng	95
75) Fluoranthene	19.233	202	2492485	34.33	ng	100
78) Pyrene	19.586	202	2058166	26.17	ng	99
81) Benzo(a)anthracene	21.292	228	1154090	14.68	ng	98
83) Chrysene	21.345	228	983524	13.14	ng	97
87) Indeno(1,2,3-cd)pyrene	26.074	276	619180	6.51	ng	# 94
88) Benzo(b)fluoranthene	22.951	252	1333915m	16.72	ng	
89) Benzo(k)fluoranthene	22.986	252	392791m	5.16	ng	
90) Benzo(a)pyrene	23.557	252	987539	13.27	ng	96
91) Dibenzo(a,h)anthracene	26.074	278	166041m	2.12	ng	
92) Benzo(g,h,i)perylene	26.815	276	590295	7.64	ng	97

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

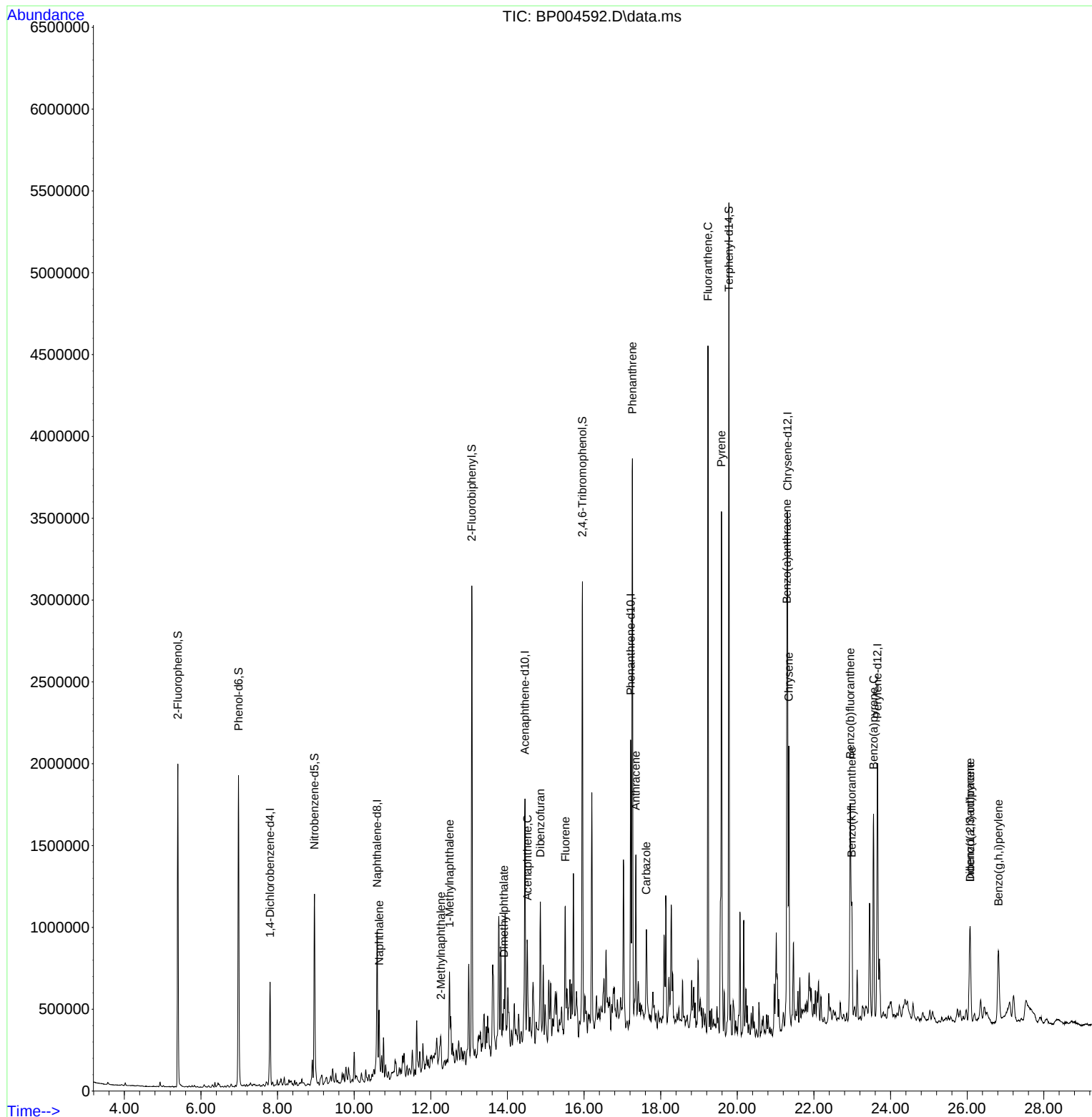
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

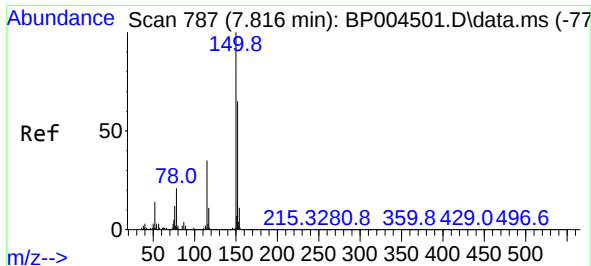
Instrument :
BNA_P
ClientSampled :
VCP-EXC-SOIL

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Quant Time: Jan 16 02:21:30 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 12 15:19:32 2021
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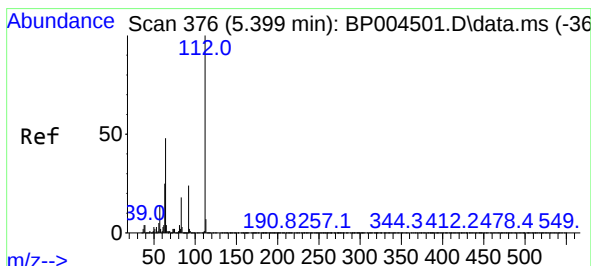
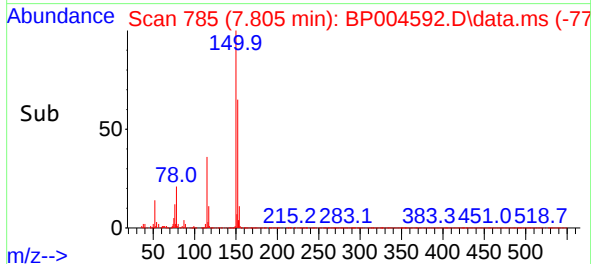
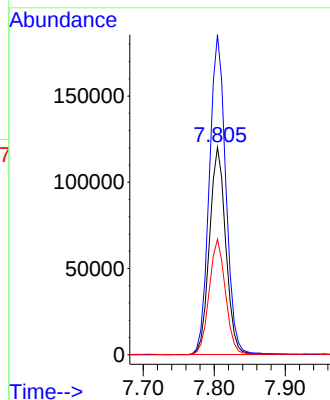
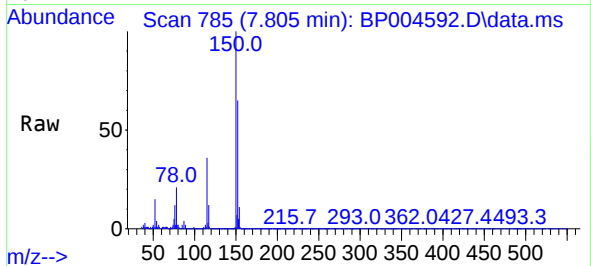
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.805 min Scan# 785
Delta R.T. -0.011 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:152 Resp: 191804
Ion Ratio Lower Upper
152 100
150 154.2 123.8 185.6
115 55.6 43.8 65.6

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

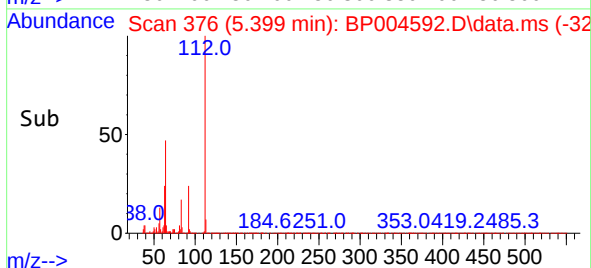
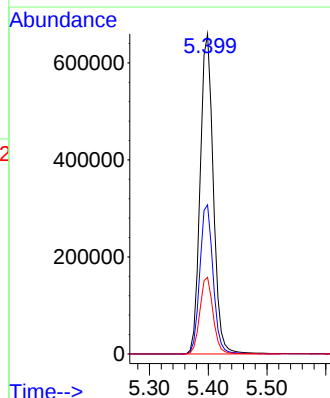
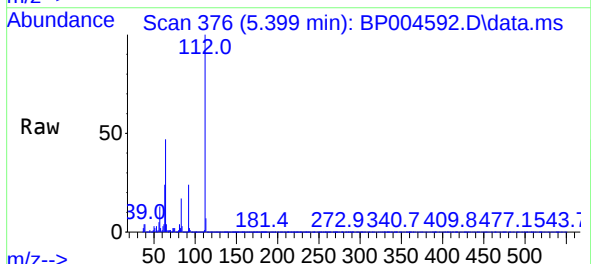
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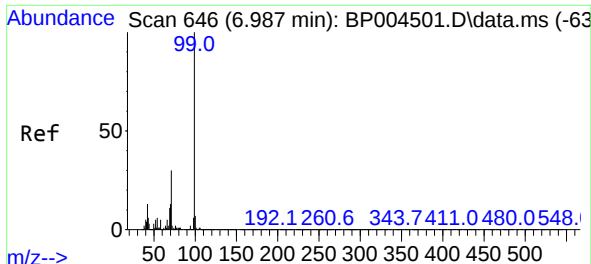
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#5
2-Fluorophenol
Concen: 93.17 ng
RT: 5.399 min Scan# 376
Delta R.T. -0.000 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

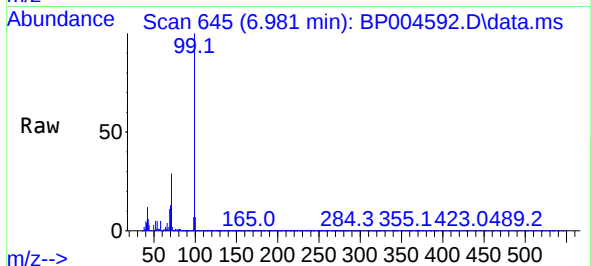
Tgt Ion:112 Resp: 1025318
Ion Ratio Lower Upper
112 100
64 46.6 32.8 49.2
63 23.9 17.0 25.4





#7
Phenol-d6
Concen: 85.52 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.006 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

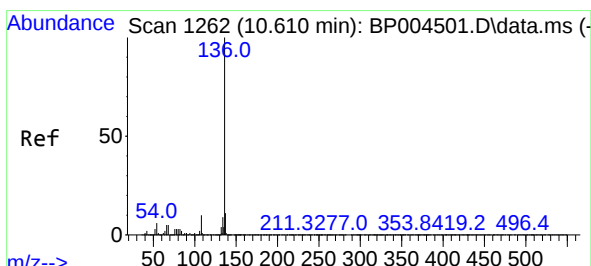
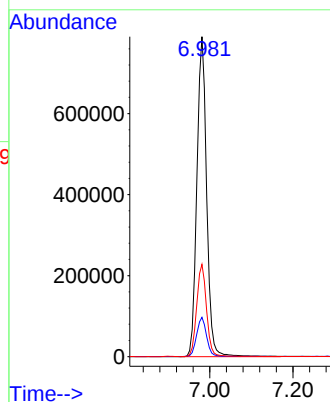
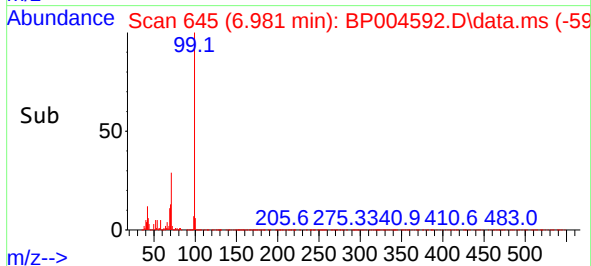
Instrument :
BNA_P
ClientSampleId :
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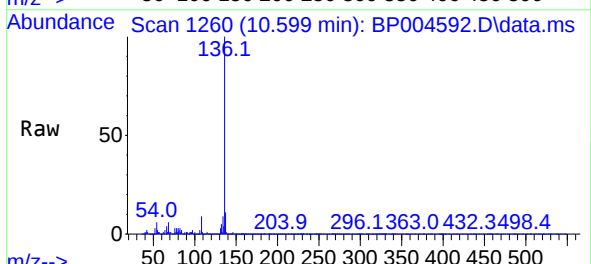
Tgt Ion: 99 Resp: 1289054
Ion Ratio Lower Upper
99 100
42 12.3 8.6 13.0
71 28.9 23.4 35.2

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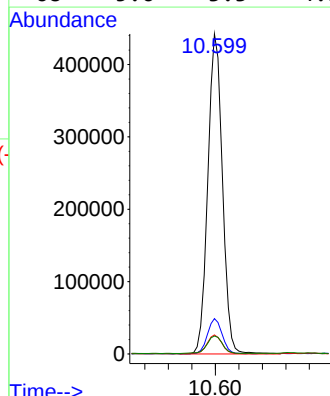
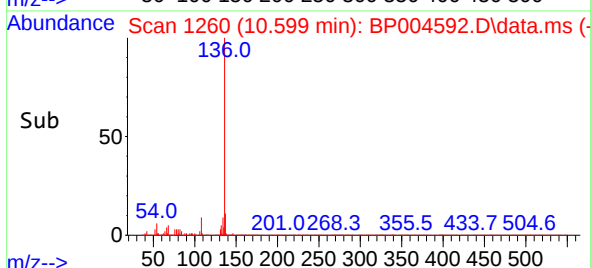
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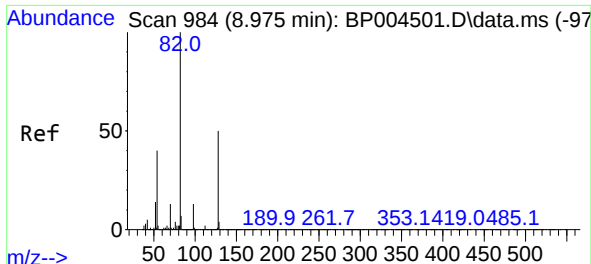


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.599 min Scan# 1260
Delta R.T. -0.011 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00



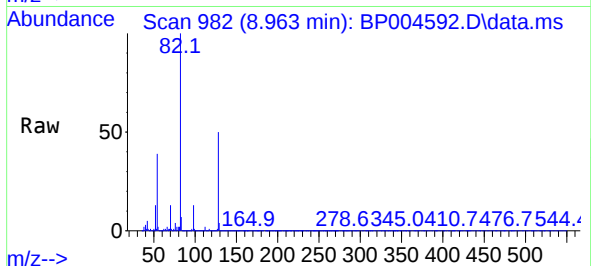
Tgt Ion: 136 Resp: 761512
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 5.9 3.6 5.4#
68 5.6 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 52.98 ng
RT: 8.963 min Scan# 982
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

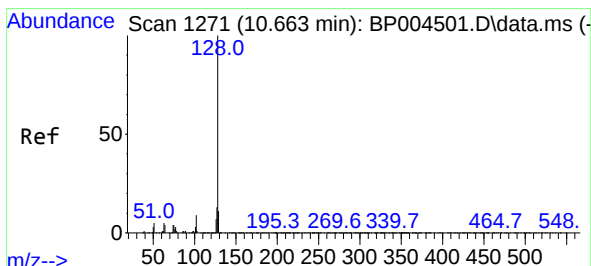
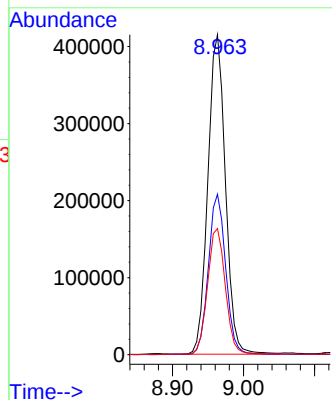
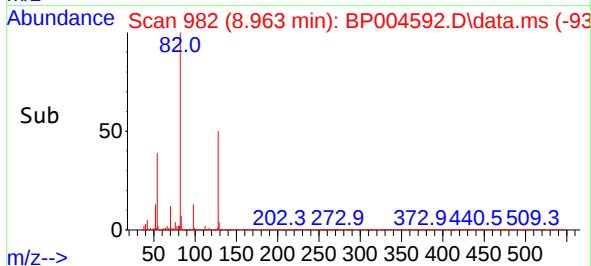
Instrument :
BNA_P
ClientSampleId :
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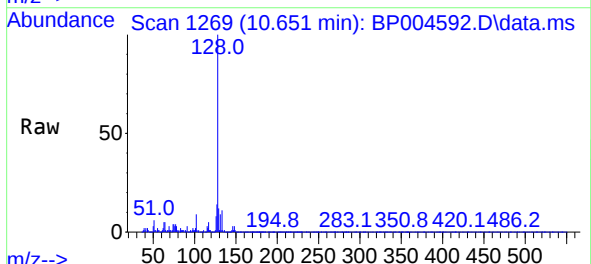
Tgt Ion: 82 Resp: 713650
Ion Ratio Lower Upper
82 100
128 50.1 45.6 68.4
54 39.4 30.1 45.1

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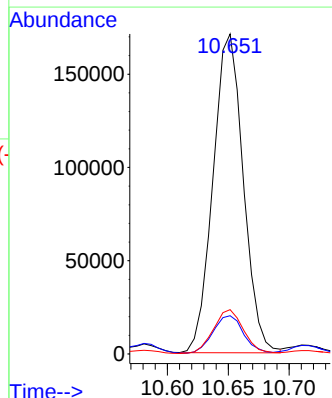
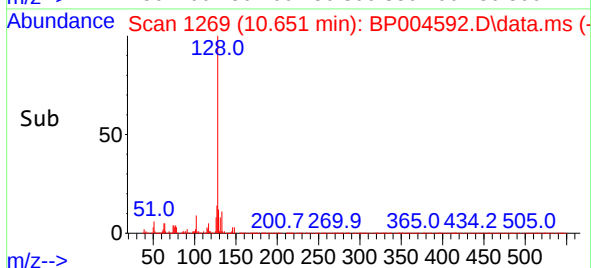
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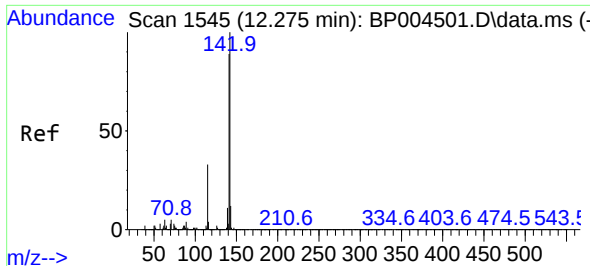


#31
Naphthalene
Concen: 7.06 ng
RT: 10.651 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00



Tgt Ion: 128 Resp: 295391
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 13.9 10.6 15.8





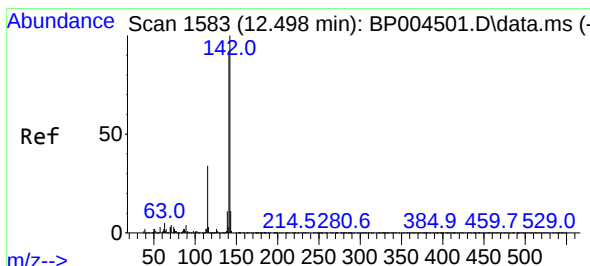
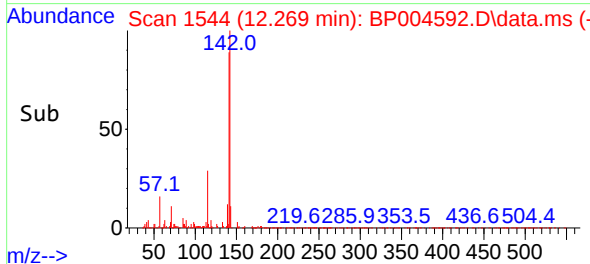
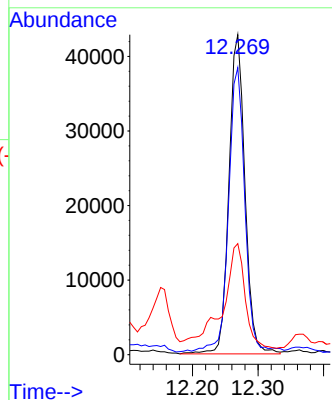
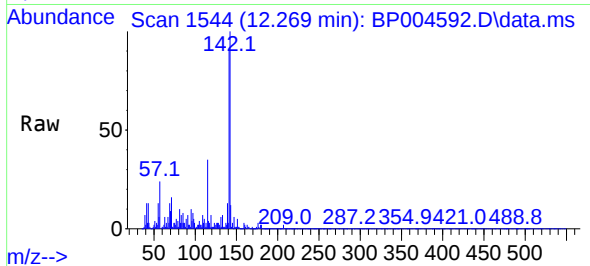
#37
2-Methylnaphthalene
Concen: 2.36 ng
RT: 12.269 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:	142	Resp:	72696
Ion Ratio	Lower	Upper	
142	100		
141	89.7	71.4	107.2
115	34.7	25.8	38.6

Instrument :
BNA_P
ClientSampleId :
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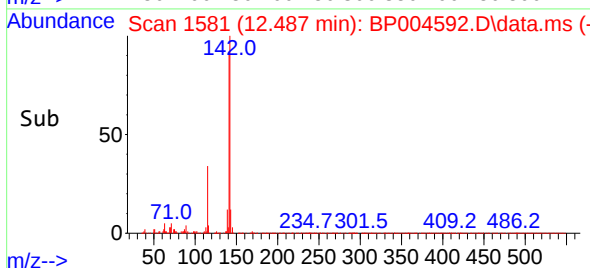
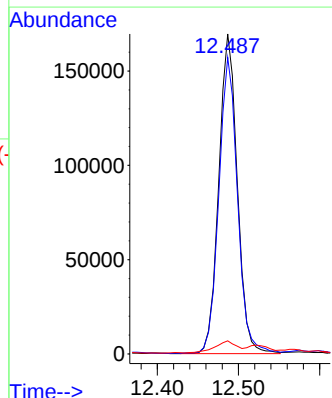
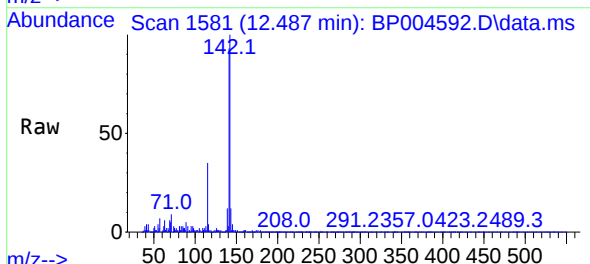
Manual Integrations
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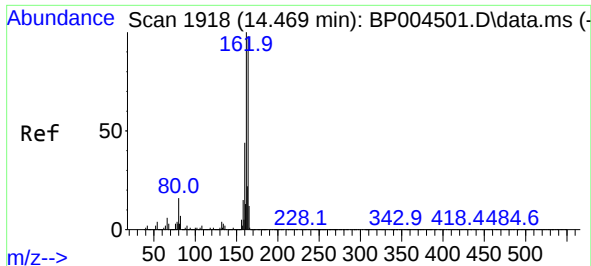
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#38
1-Methylnaphthalene
Concen: 9.19 ng
RT: 12.487 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

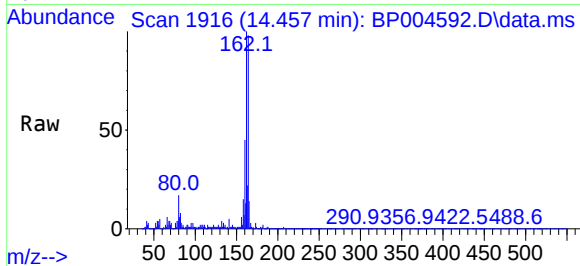
Tgt Ion:	142	Resp:	268413
Ion Ratio	Lower	Upper	
142	100		
141	92.6	74.4	111.6
116	4.1	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.457 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

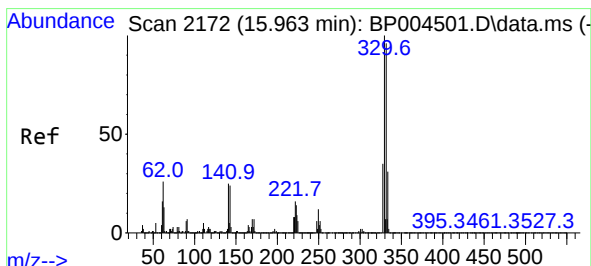
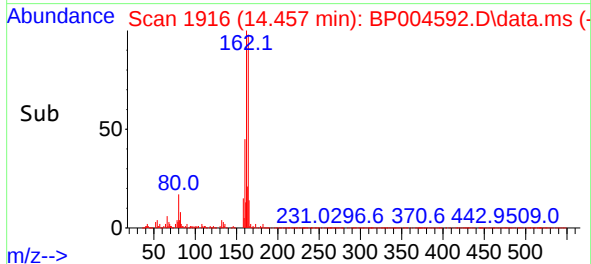
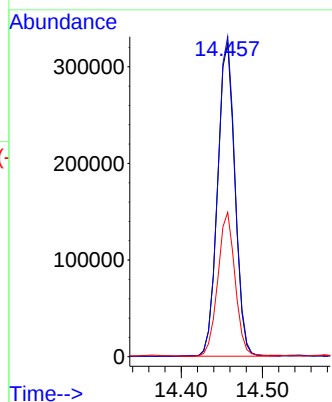
Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL



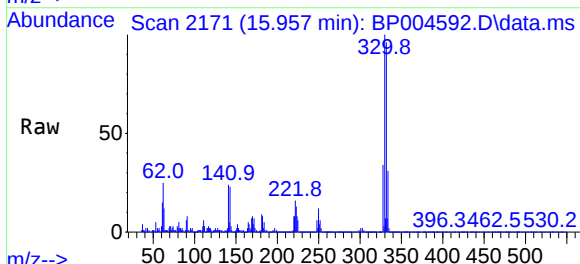
Tgt Ion:164 Resp: 481068
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.2
160 46.0 36.1 54.1

Manual Integrations
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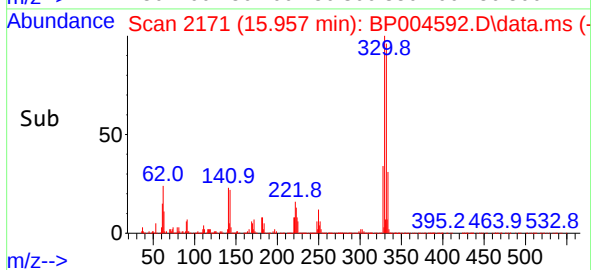
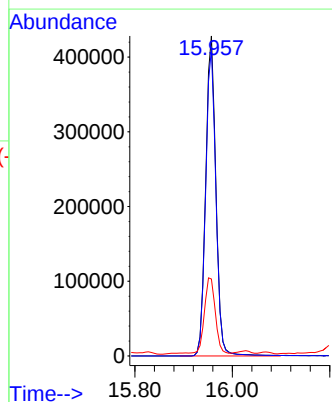
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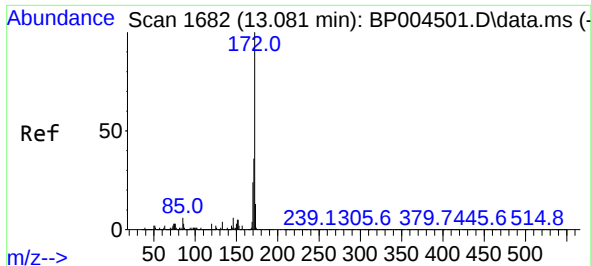


#42
2,4,6-Tribromophenol
Concen: 74.31 ng
RT: 15.957 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00



Tgt Ion:330 Resp: 621540
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 26.5 23.4 35.2





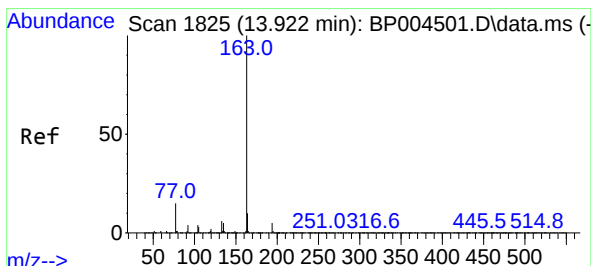
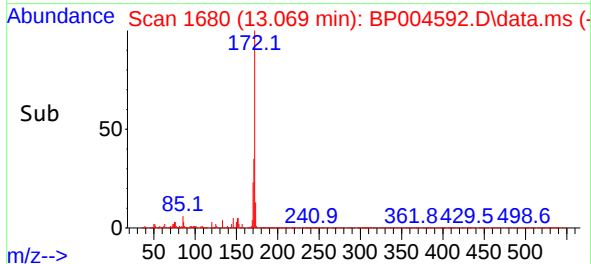
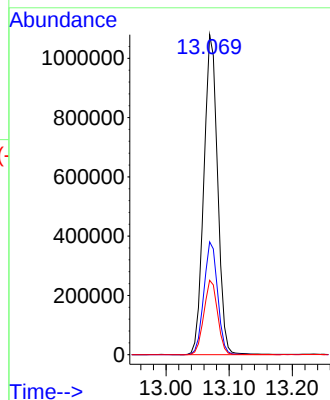
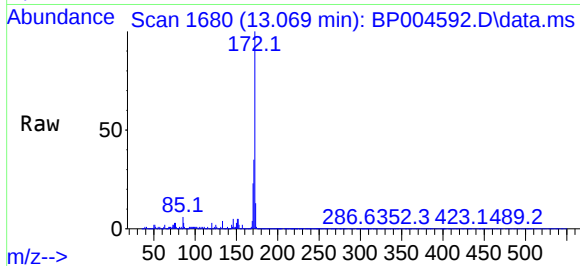
#45
2-Fluorobiphenyl
Concen: 44.28 ng
RT: 13.069 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:172 Resp: 1638465
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.3 19.2 28.8

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

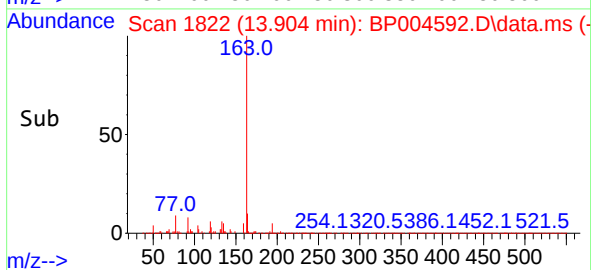
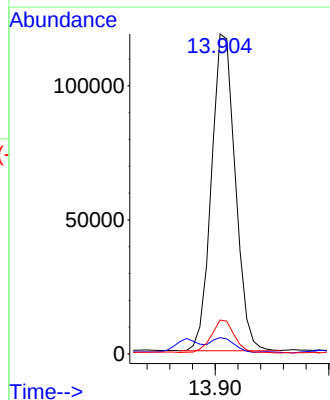
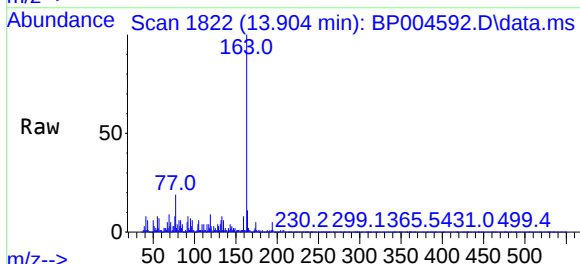
Manual Integrations
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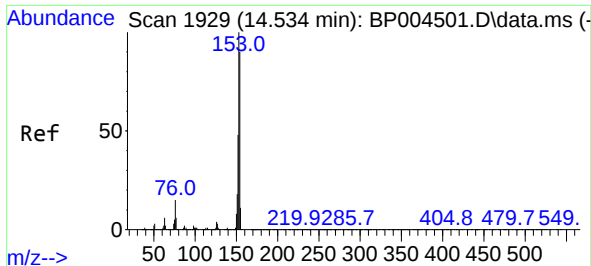
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#50
Dimethylphthalate
Concen: 4.31 ng
RT: 13.904 min Scan# 1822
Delta R.T. -0.018 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:163 Resp: 171974
Ion Ratio Lower Upper
163 100
194 5.1 3.3 4.9#
164 10.6 8.2 12.2





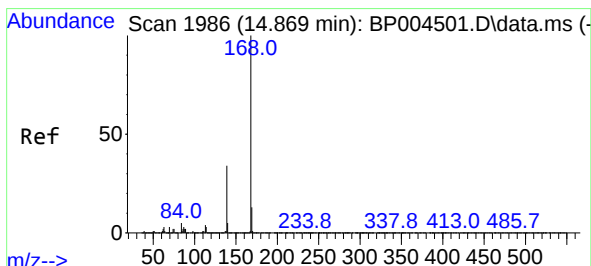
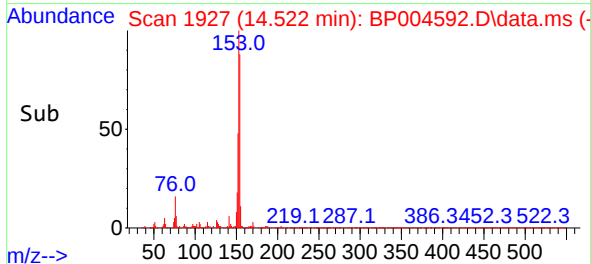
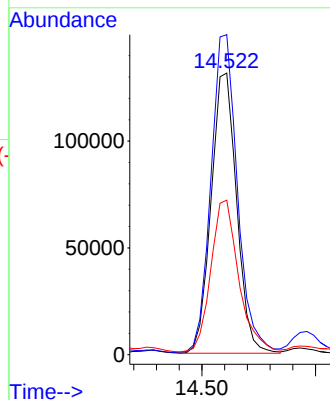
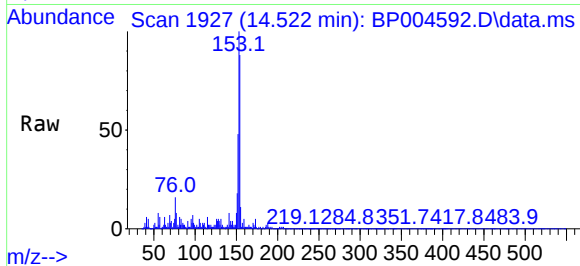
#52
Acenaphthene
Concen: 7.06 ng
RT: 14.522 min Scan# 1927
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:	154	Resp:	204647
Ion Ratio	Lower	Upper	
154	100		
153	113.6	91.0	136.6
152	54.9	43.0	64.6

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

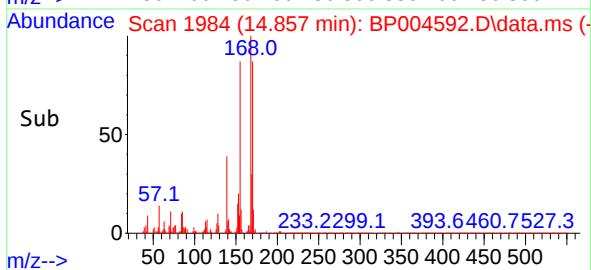
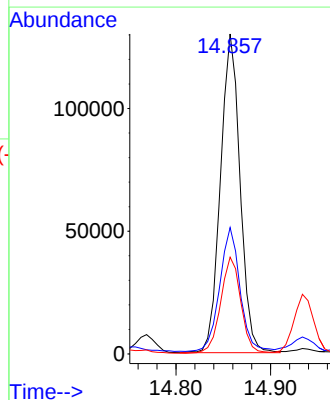
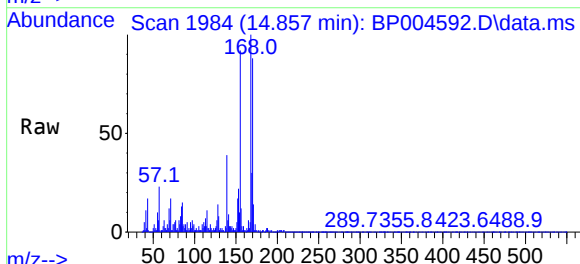
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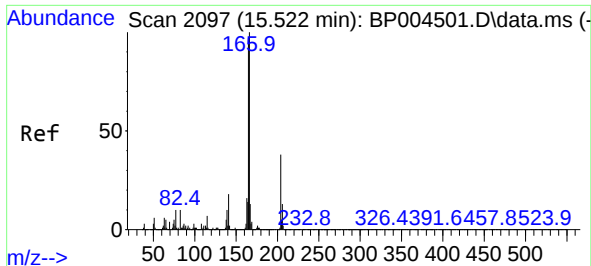
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#55
Dibenzofuran
Concen: 3.99 ng
RT: 14.857 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:	168	Resp:	187254
Ion Ratio	Lower	Upper	
168	100		
139	39.5	29.1	43.7
169	30.3	10.4	15.6#





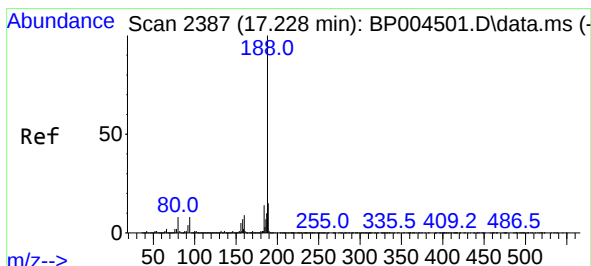
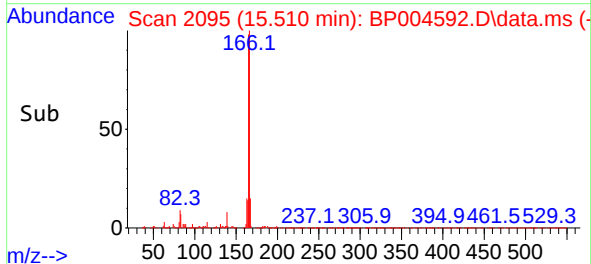
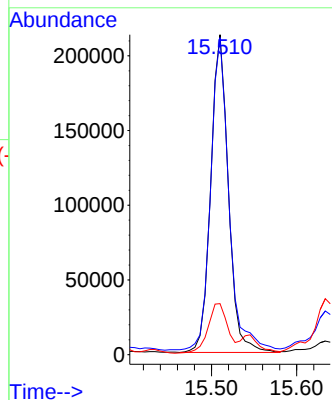
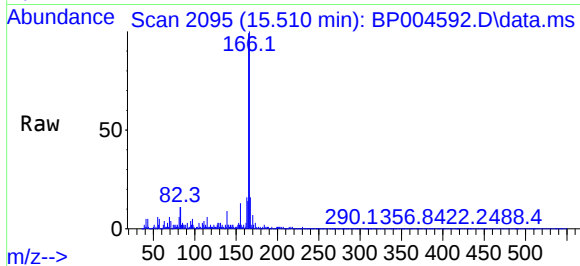
#58
Fluorene
Concen: 8.15 ng
RT: 15.510 min Scan# 2095
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:166 Resp: 305329
Ion Ratio Lower Upper
166 100
165 99.1 77.8 116.8
167 15.9 11.0 16.4

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

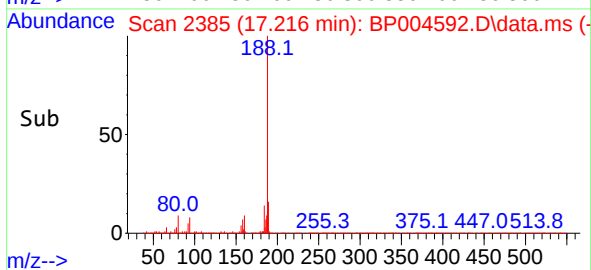
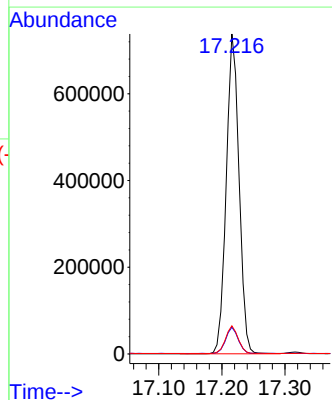
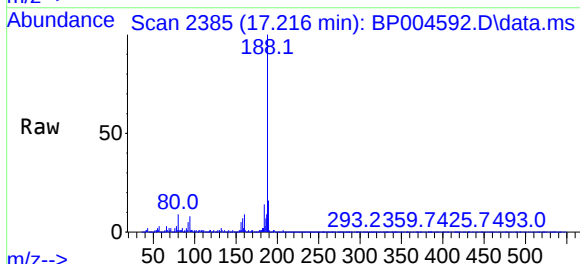
Manual Integrations
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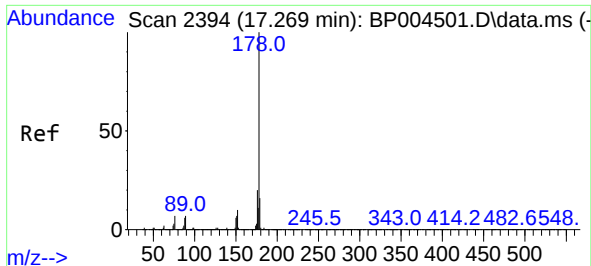
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.216 min Scan# 2385
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

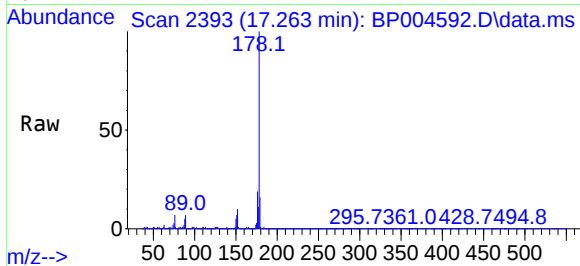
Tgt Ion:188 Resp: 1040656
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 8.8 6.2 9.2





#71
Phenanthrene
Concen: 37.60 ng
RT: 17.263 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

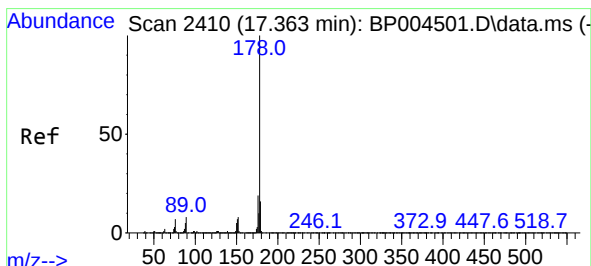
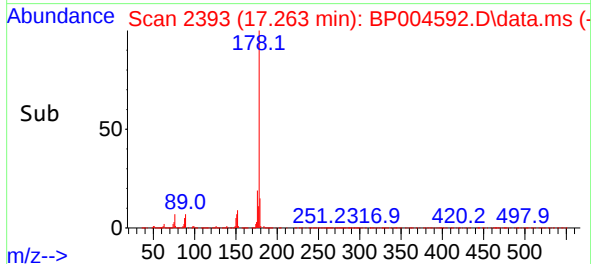
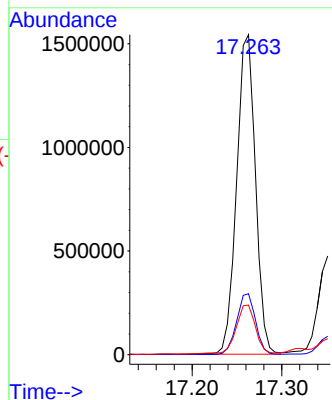
Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL



Tgt Ion:178 Resp: 2243414
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.5 12.5 18.7

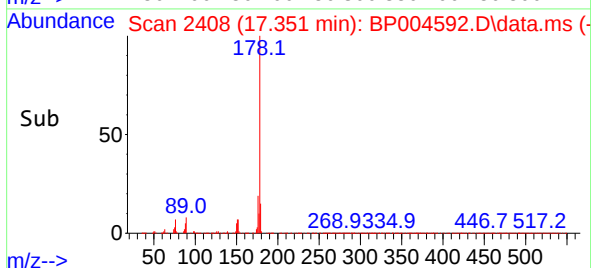
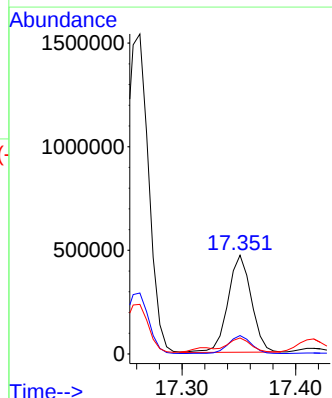
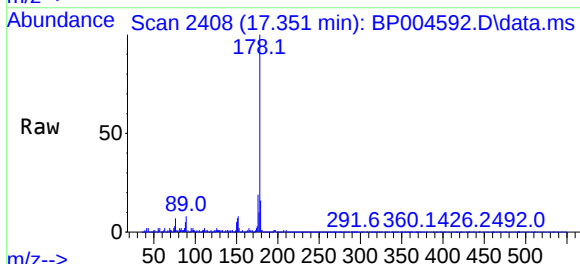
Manual Integrations
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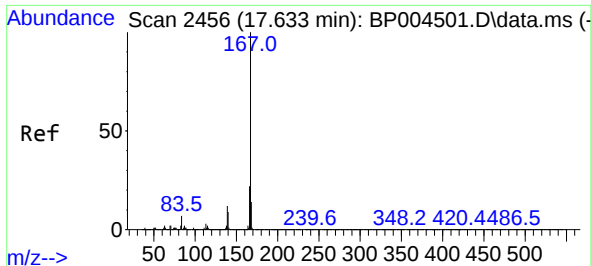
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#72
Anthracene
Concen: 11.58 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

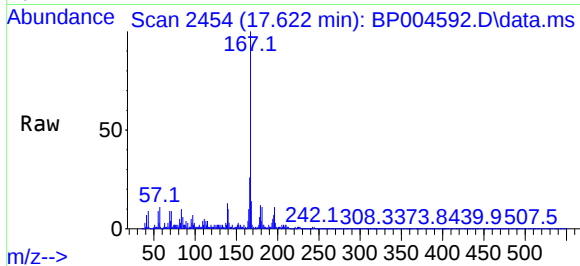
Tgt Ion:178 Resp: 669463
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 16.1 12.5 18.7





#73
 Carbazole
 Concen: 4.71 ng
 RT: 17.622 min Scan# 2454
 Delta R.T. -0.012 min
 Lab File: BP004592.D
 Acq: 16 Jan 2021 00:00

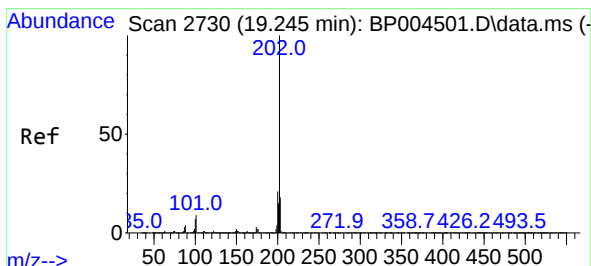
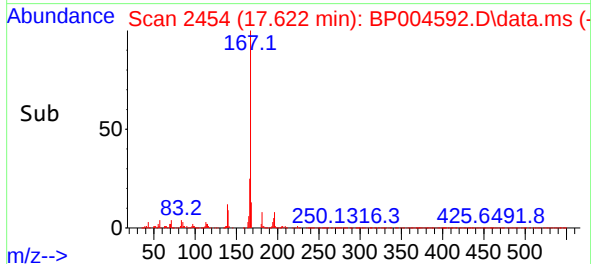
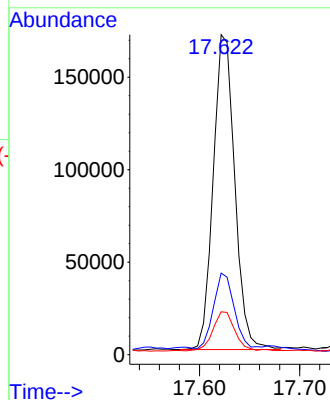
Instrument :
 BNA_P
 ClientSampleId :
 VCP-EXC-SOIL



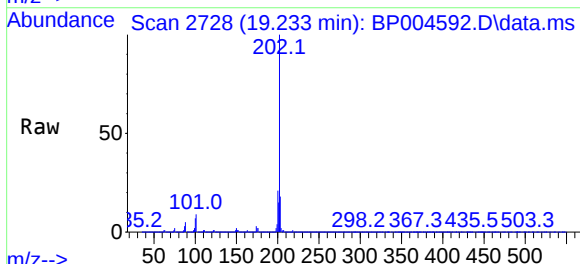
Tgt Ion:167 Resp: 253662
 Ion Ratio Lower Upper
 167 100
 166 25.5 17.6 26.4
 139 13.4 10.2 15.4

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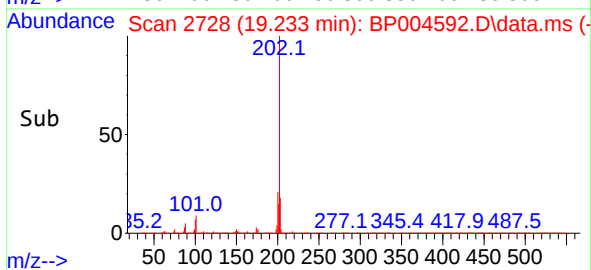
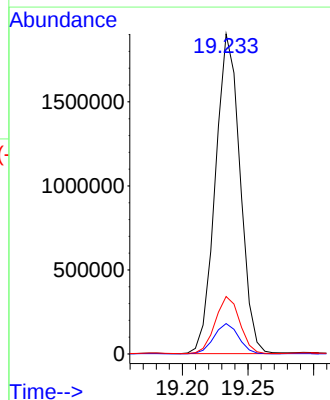
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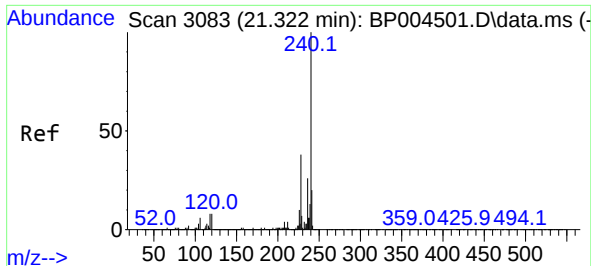


#75
 Fluoranthene
 Concen: 34.33 ng
 RT: 19.233 min Scan# 2728
 Delta R.T. -0.012 min
 Lab File: BP004592.D
 Acq: 16 Jan 2021 00:00

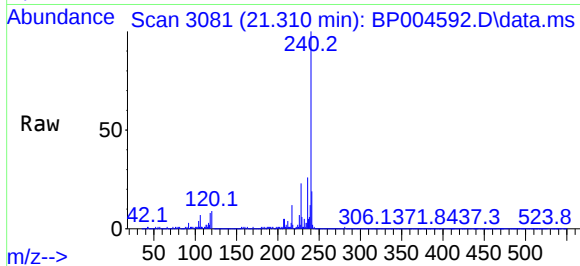


Tgt Ion:202 Resp: 2492485
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.4
 203 18.0 0.0 37.8

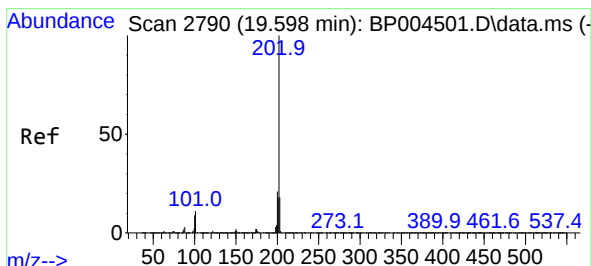
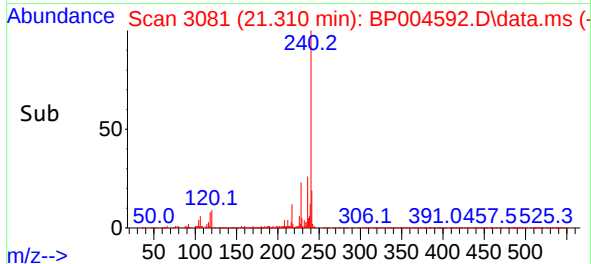
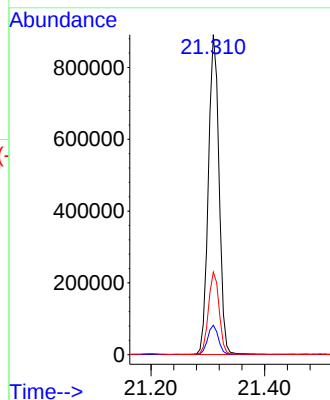




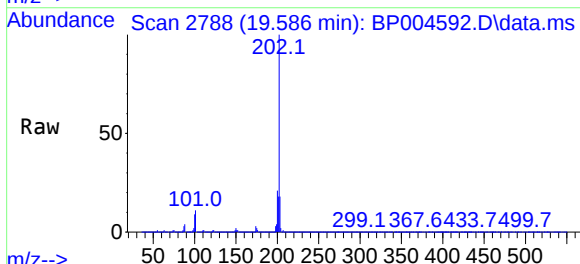
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.310 min Scan# 3081
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00



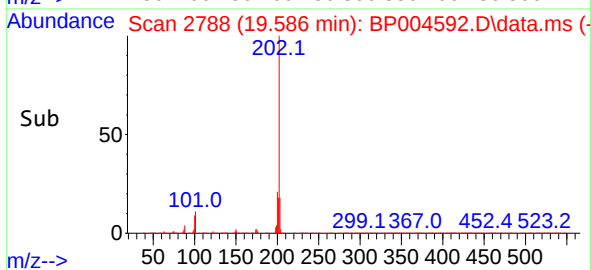
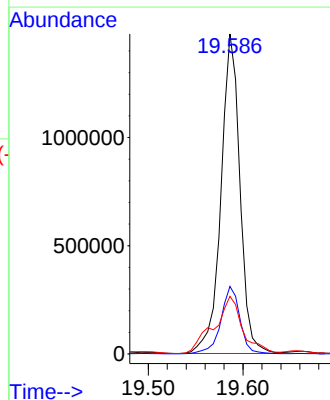
Tgt Ion:240 Resp: 1155895
Ion Ratio Lower Upper
240 100
120 9.2 7.8 11.6
236 25.8 20.8 31.2



#78
Pyrene
Concen: 26.17 ng
RT: 19.586 min Scan# 2788
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00



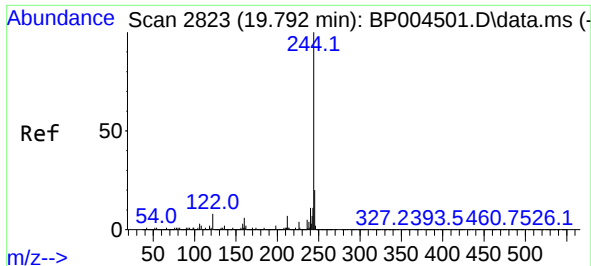
Tgt Ion:202 Resp: 2058166
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.0 14.2 21.2



Instrument :
BNA_P
ClientSampleId :
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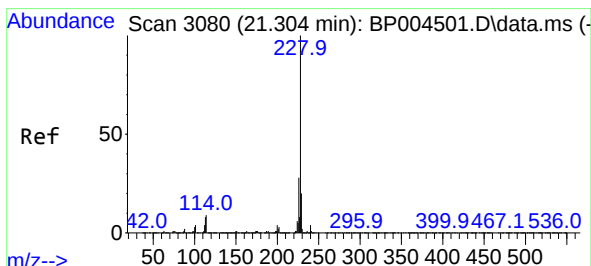
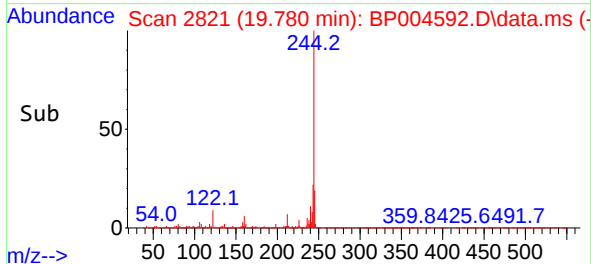
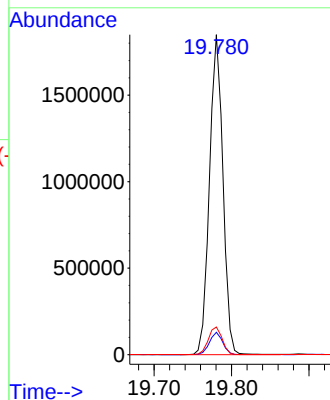
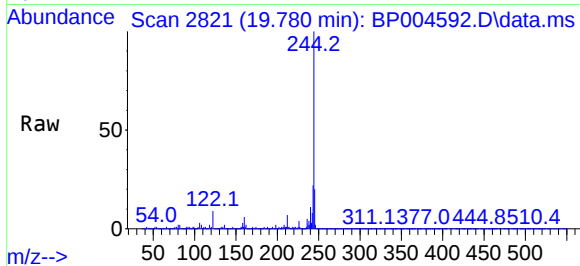
#79
Terphenyl-d14
Concen: 35.17 ng
RT: 19.780 min Scan# 2821
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:244 Resp: 2225257
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 8.7 7.8 11.8

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

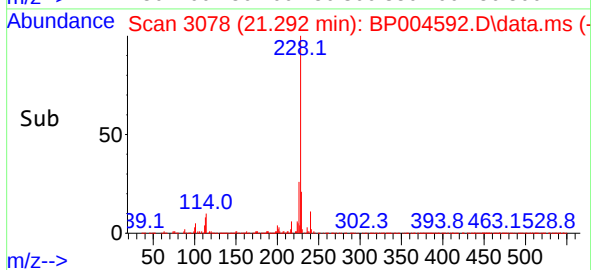
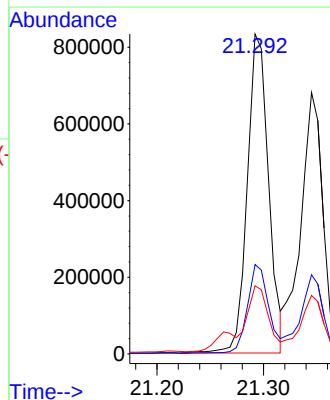
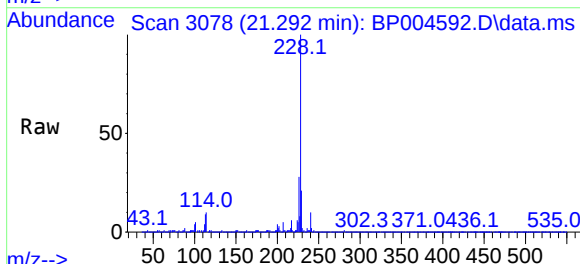
Manual Integrations
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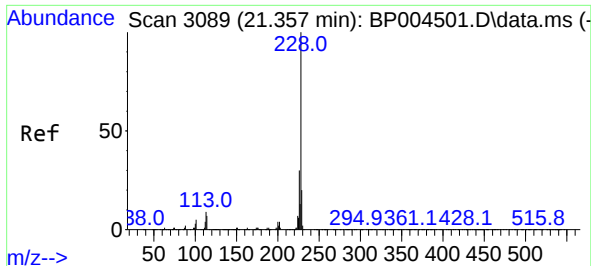
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#81
Benzo(a)anthracene
Concen: 14.68 ng
RT: 21.292 min Scan# 3078
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:228 Resp: 1154090
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 21.3 15.9 23.9





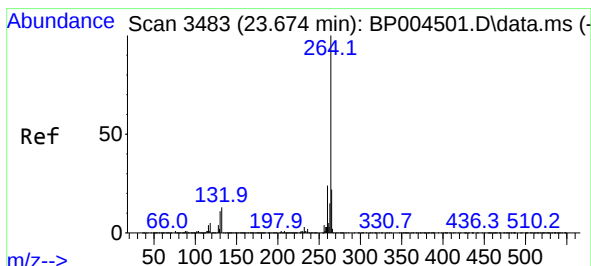
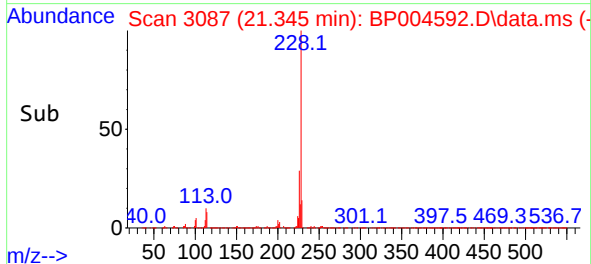
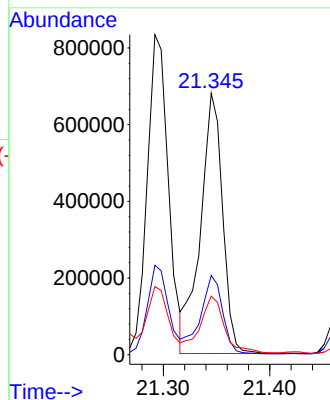
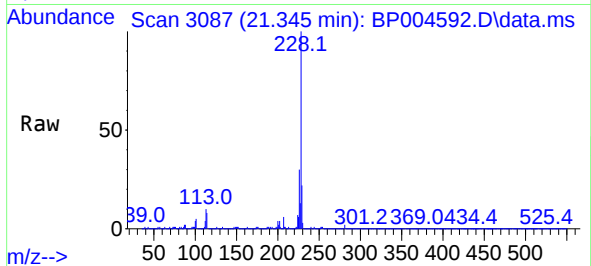
#83
Chrysene
Concen: 13.14 ng
RT: 21.345 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:	228	Resp:	983524
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.4	36.6
229	22.4	15.8	23.6

Instrument :
BNA_P
ClientSampled :
VCP-EXC-SOIL

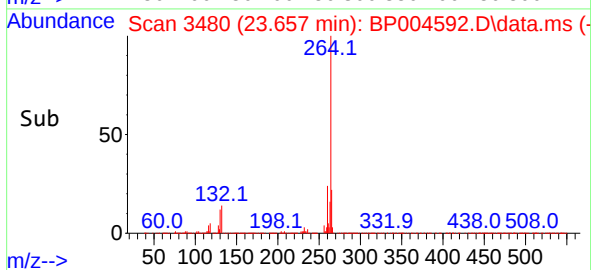
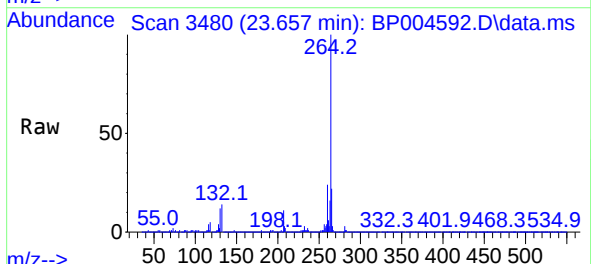
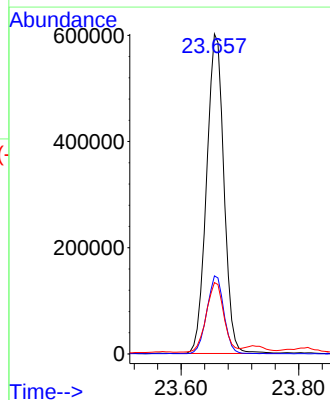
Manual Integrations
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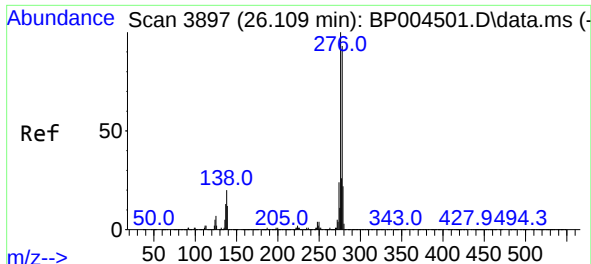
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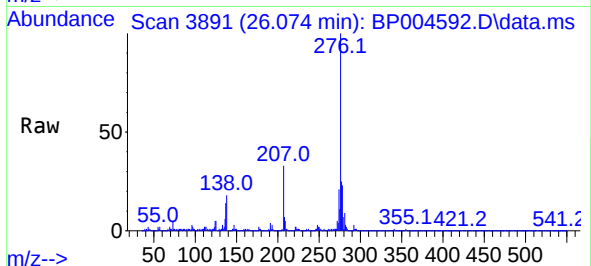
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.657 min Scan# 3480
Delta R.T. -0.018 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:	264	Resp:	1232689
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.8	28.2
265	22.3	17.4	26.2

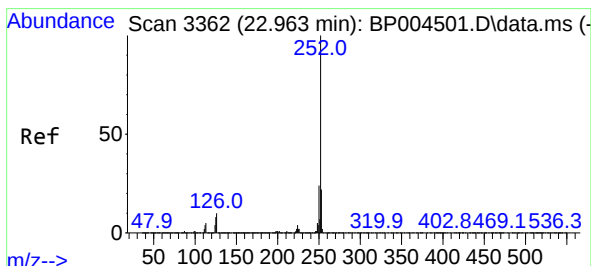
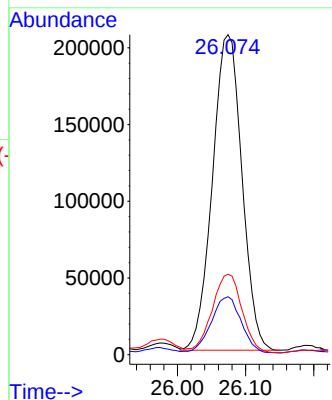
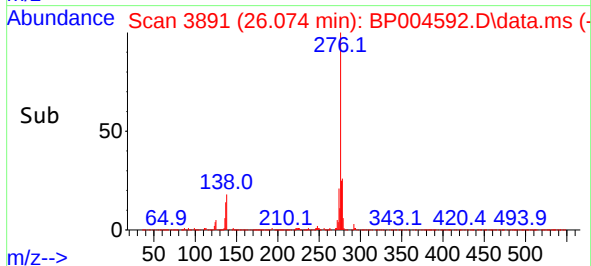




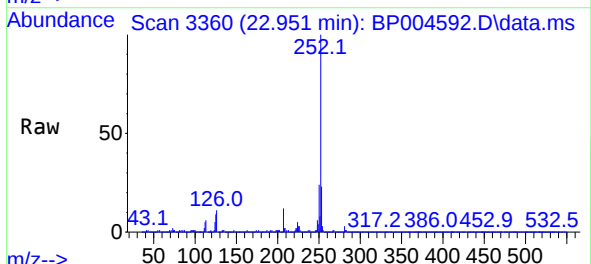
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.51 ng
RT: 26.074 min Scan# 3891
Delta R.T. -0.035 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00



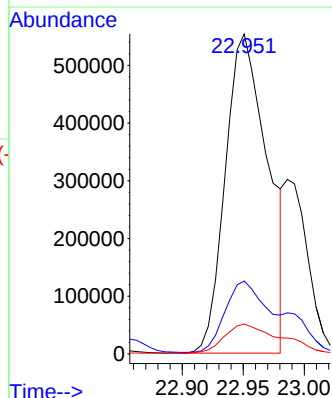
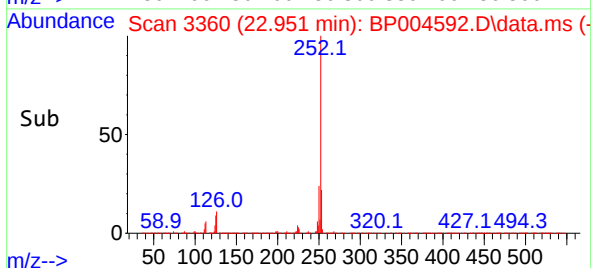
Tgt Ion: 276 Resp: 619180
Ion Ratio Lower Upper
276 100
138 18.0 18.7 28.1#
277 25.2 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 16.72 ng m
RT: 22.951 min Scan# 3360
Delta R.T. -0.012 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00



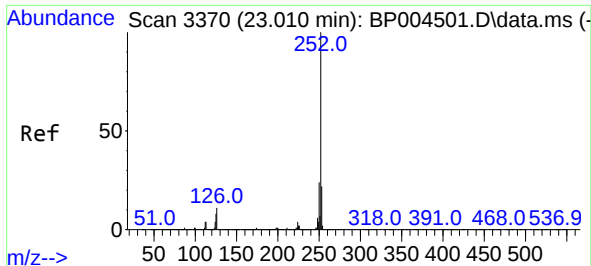
Tgt Ion: 252 Resp: 1333915
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.4 7.3 10.9



Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

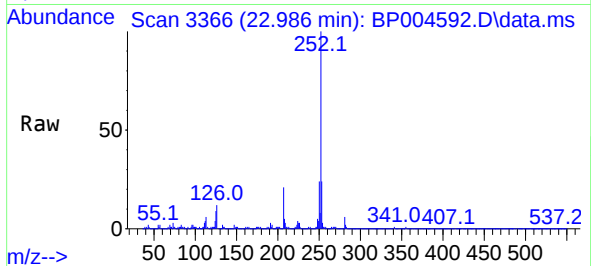
Manual Integrations
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#89
Benzo(k)fluoranthene
Concen: 5.16 ng m
RT: 22.986 min Scan# 3366
Delta R.T. -0.024 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

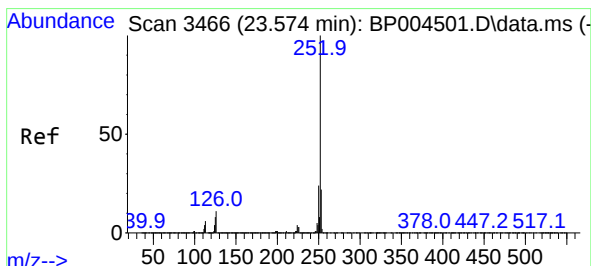
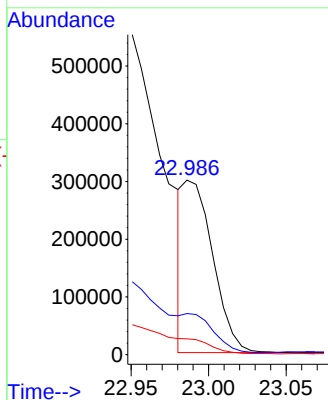
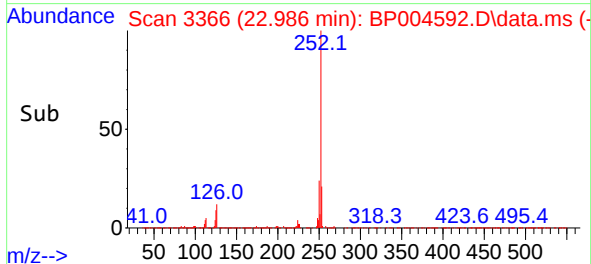
Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL



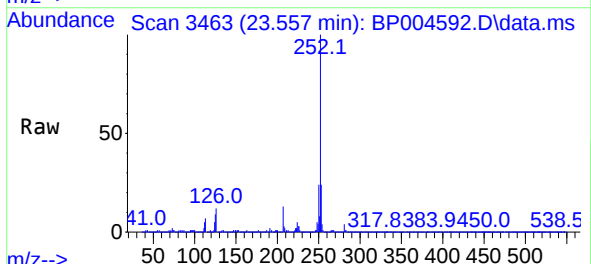
Tgt Ion:252 Resp: 392791
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 9.1 7.4 11.2

Manual Integrations
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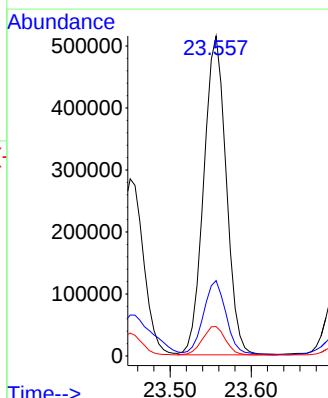
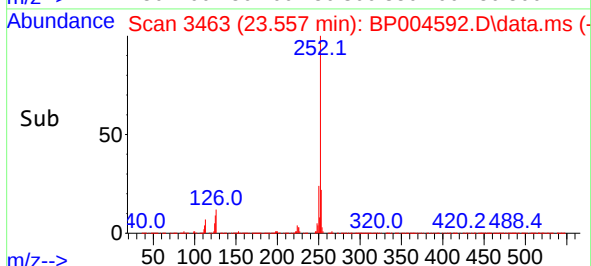
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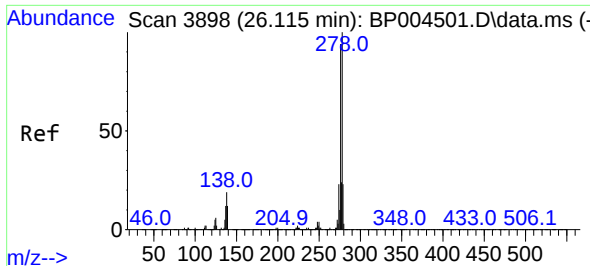


#90
Benzo(a)pyrene
Concen: 13.27 ng
RT: 23.557 min Scan# 3463
Delta R.T. -0.018 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00



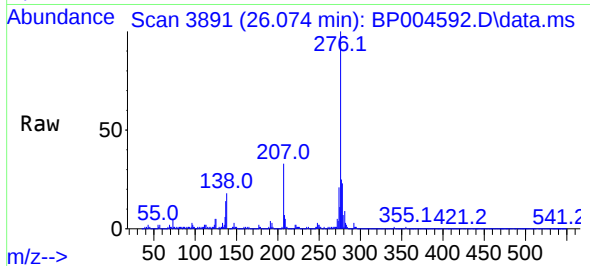
Tgt Ion:252 Resp: 987539
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 9.2 8.2 12.4





#91
Dibenzo(a,h)anthracene
Concen: 2.12 ng m
RT: 26.074 min Scan# 3891
Delta R.T. -0.041 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

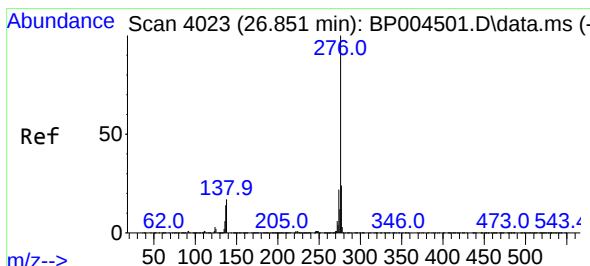
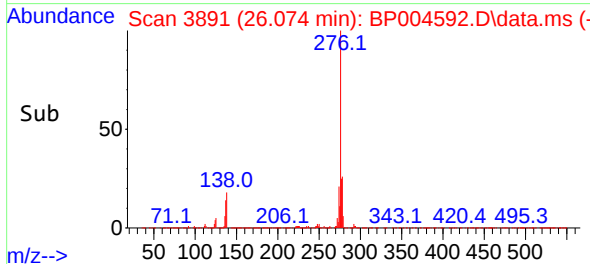
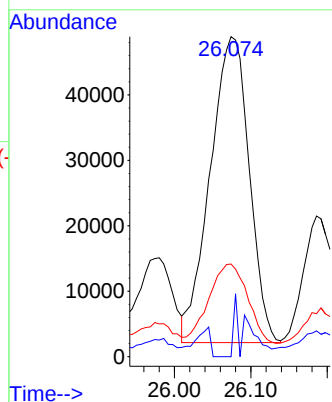
Instrument :
BNA_P
ClientSampled :
VCP-EXC-SOIL



Tgt Ion:278 Resp: 166041
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 29.0 19.0 28.6#

Manual Integrations
APPROVED

mohammad
1/18/2021 3:36:26 PM



#92
Benzo(g,h,i)perylene
Concen: 7.64 ng
RT: 26.815 min Scan# 4017
Delta R.T. -0.035 min
Lab File: BP004592.D
Acq: 16 Jan 2021 00:00

Tgt Ion:276 Resp: 590295
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 18.0 16.6 24.8

