

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070821\
 Data File : BP006156.D
 Acq On : 09 Jul 2021 00:24
 Operator : CG/JU
 Sample : M2956-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-72-12000-ETGI-283

Manual Integrations
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Quant Time: Jul 09 04:32:03 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	7.881	152	216874	20.000	ng	0.00
21) Naphthalene-d8	10.681	136	836186	20.000	ng	# 0.00
39) Acenaphthene-d10	14.516	164	472494	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	894490	20.000	ng	# 0.00
76) Chrysene-d12	21.351	240	855925	20.000	ng	# 0.00
86) Perylene-d12	23.745	264	1005069	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	253662	20.125	ng	0.00
7) Phenol-d6	7.069	99	296949	17.811	ng	0.00
23) Nitrobenzene-d5	9.052	82	163599	12.358	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	105302	18.719	ng	0.00
45) 2-Fluorobiphenyl	13.140	172	404534	12.657	ng	0.00
79) Terphenyl-d14	19.816	244	522172	12.028	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.734	128	308041	7.067	ng	100
37) 2-Methylnaphthalene	12.346	142	148655	4.915	ng	97
38) 1-Methylnaphthalene	12.563	142	115991	4.052	ng	96
49) Acenaphthylene	14.240	152	178767	4.068	ng	98
52) Acenaphthene	14.581	154	94438	3.533	ng	98
55) Dibenzofuran	14.916	168	172450	4.144	ng	95
58) Fluorene	15.563	166	325348	9.732	ng	98
71) Phenanthrene	17.310	178	2334467	46.212	ng	99
72) Anthracene	17.404	178	632576	12.782	ng	99
73) Carbazole	17.681	167	253683	5.173	ng	98
75) Fluoranthene	19.281	202	2258204	40.786	ng	97
78) Pyrene	19.628	202	1986515	34.337	ng	99
81) Benzo(a)anthracene	21.333	228	1020910	18.859	ng	98
83) Chrysene	21.386	228	865156	16.171	ng	97
87) Indeno(1,2,3-cd)pyrene	26.268	276	562672	7.593	ng	# 92
88) Benzo(b)fluoranthene	23.016	252	1116254	18.309	ng	# 93
89) Benzo(k)fluoranthene	23.057	252	414028m	6.948	ng	
90) Benzo(a)pyrene	23.645	252	890823	15.571	ng	# 94
91) Dibenzo(a,h)anthracene	26.268	278	160179	2.510	ng	# 68
92) Benzo(g,h,i)perylene	27.045	276	541869	8.629	ng	# 88

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

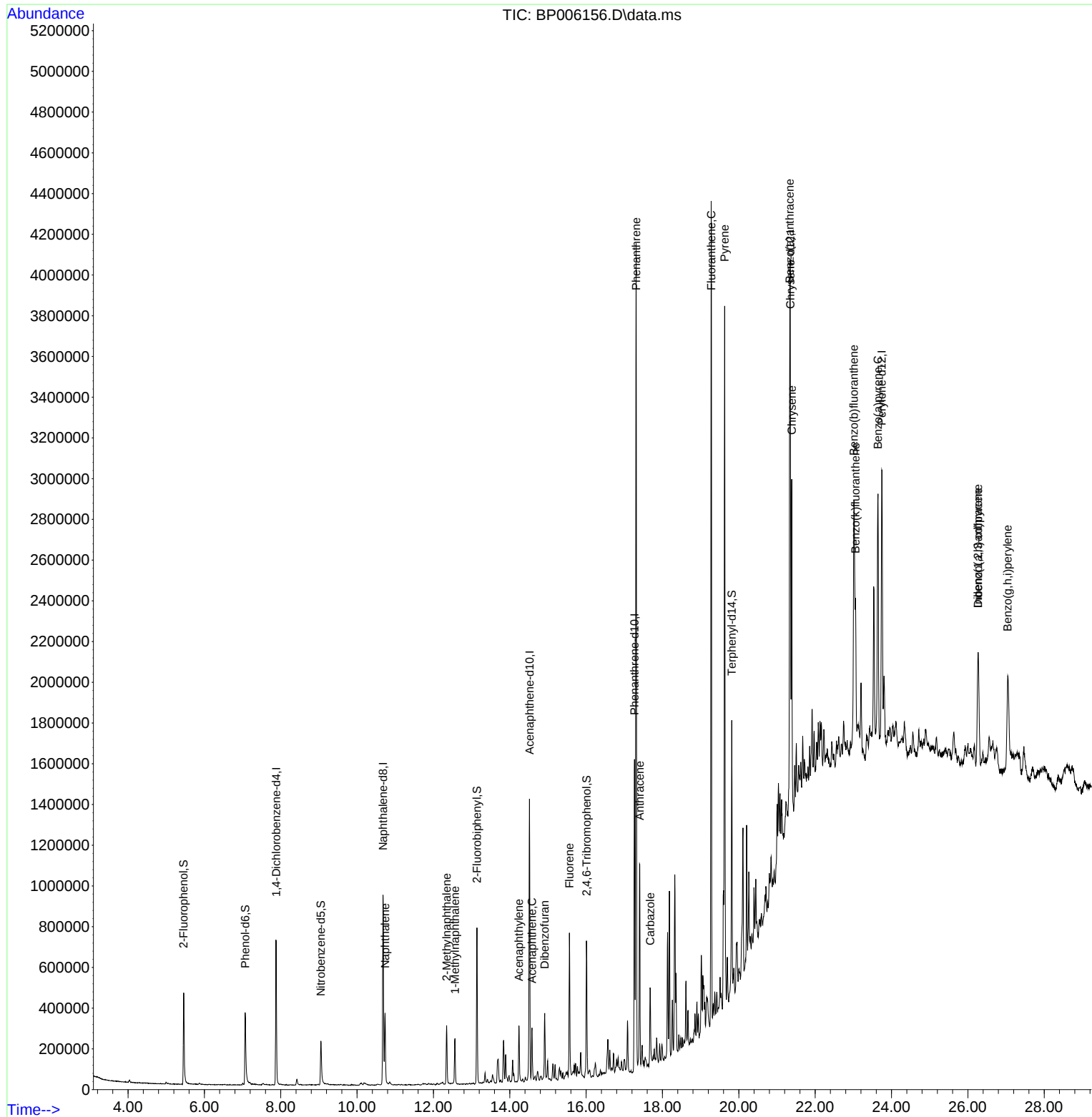
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070821\
Data File : BP006156.D
Acq On : 09 Jul 2021 00:24
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Misc :
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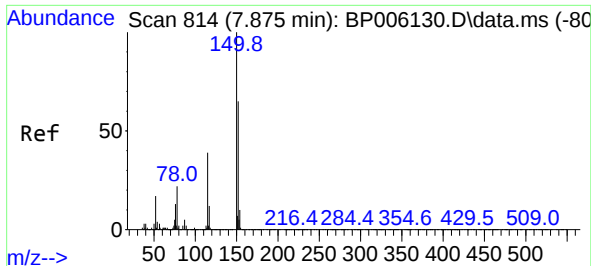
Instrument :
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ClientSampleId :
RO-72-12000-ETGI-283

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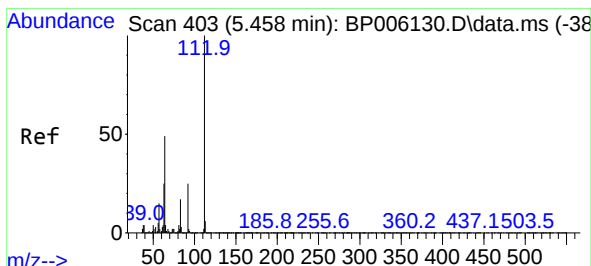
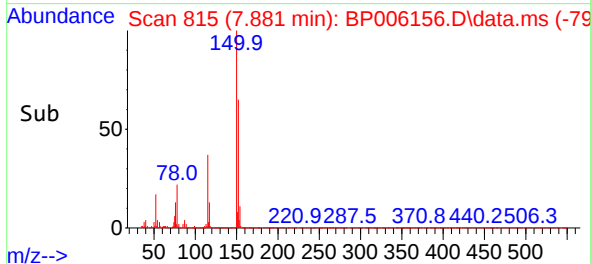
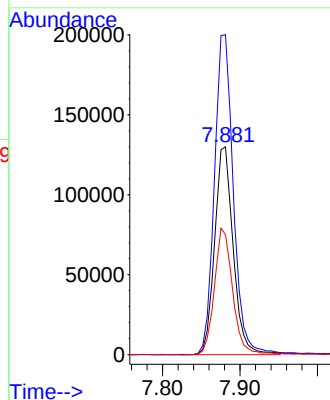
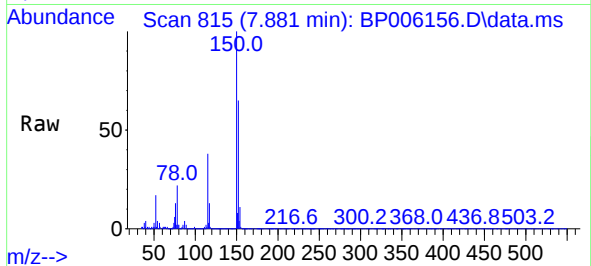
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:152 Resp: 216874
Ion Ratio Lower Upper
152 100
150 154.0 125.6 188.4
115 57.8 48.5 72.7

Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283

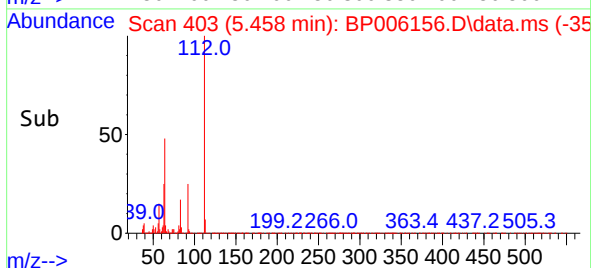
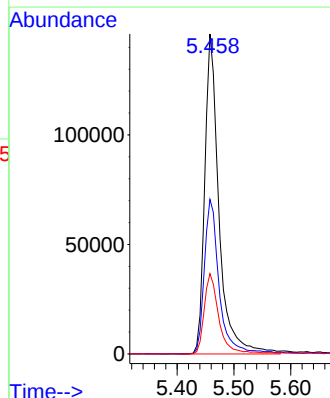
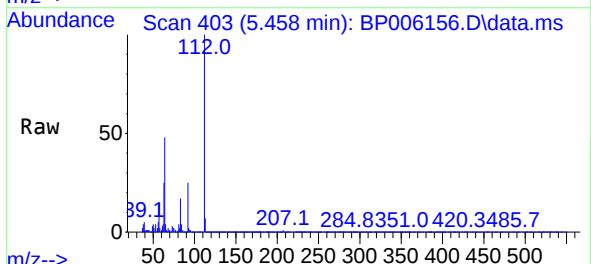
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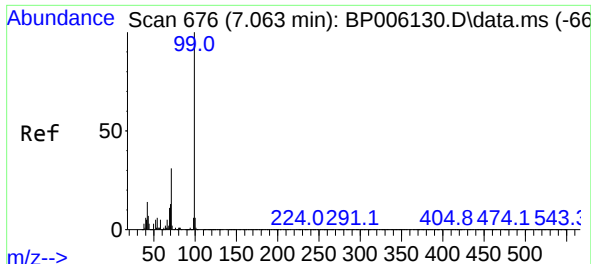
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#5
2-Fluorophenol
Concen: 20.125 ng
RT: 5.458 min Scan# 403
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

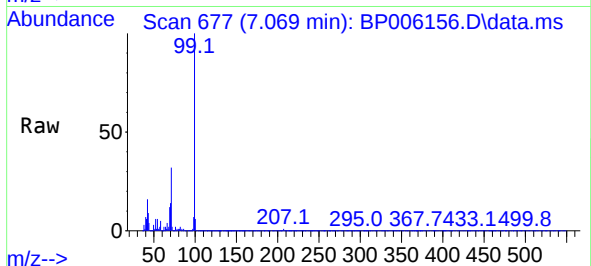
Tgt Ion:112 Resp: 253662
Ion Ratio Lower Upper
112 100
64 48.3 41.4 62.2
63 25.1 23.8 35.8





#7
Phenol-d6
Concen: 17.811 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

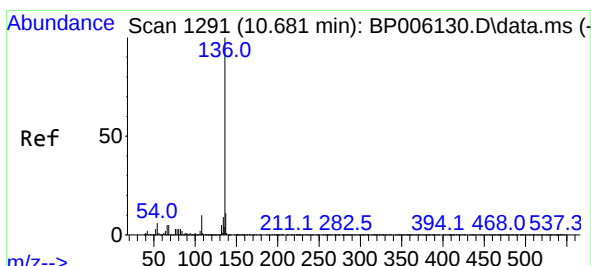
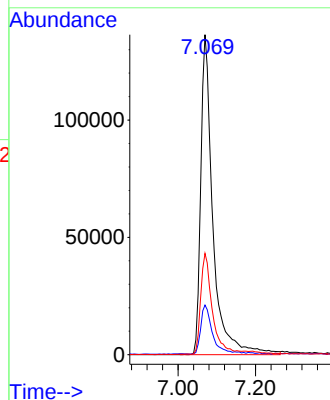
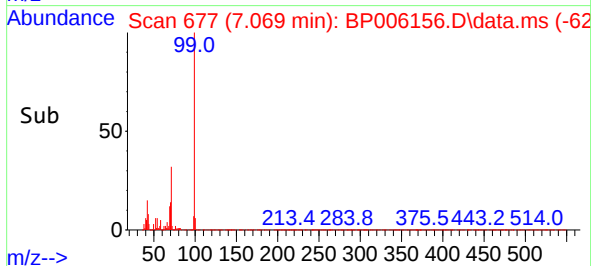
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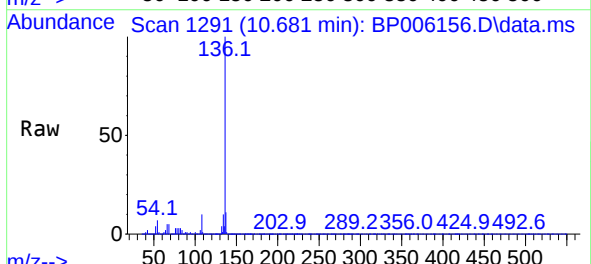
Tgt Ion: 99 Resp: 296949
Ion Ratio Lower Upper
99 100
42 15.5 13.4 20.0
71 31.6 30.6 46.0

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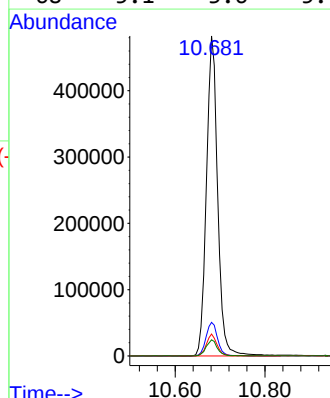
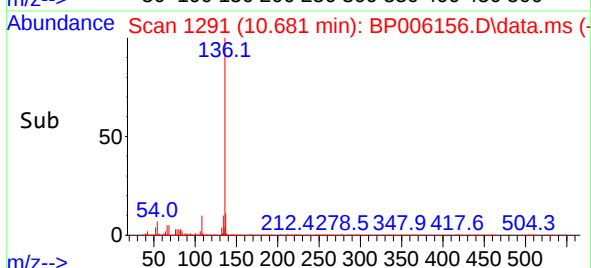
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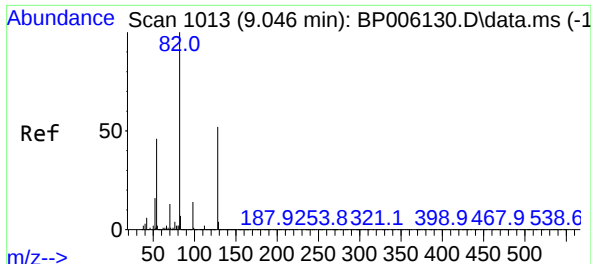


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24



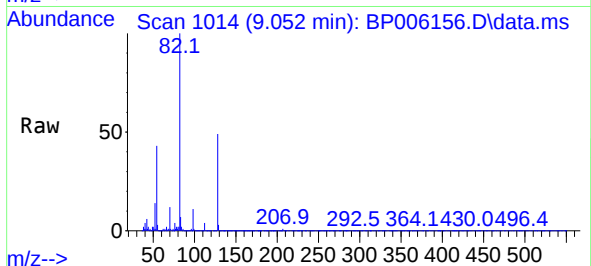
Tgt Ion: 136 Resp: 836186
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 6.9 4.6 6.8#
68 5.1 3.6 5.4





#23
Nitrobenzene-d5
Concen: 12.358 ng
RT: 9.052 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

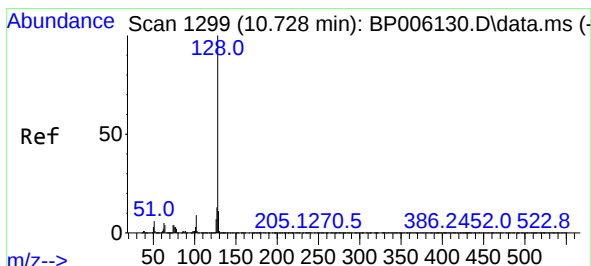
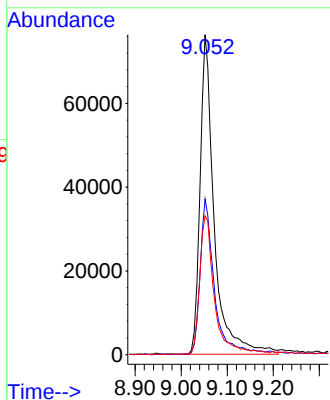
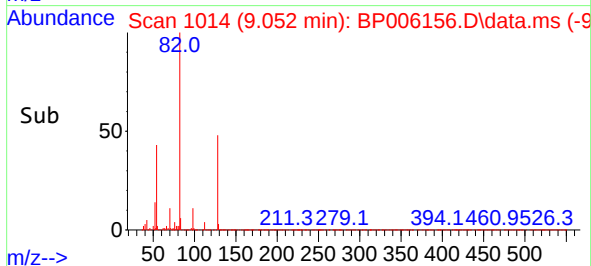
Instrument :
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ClientSampleId :
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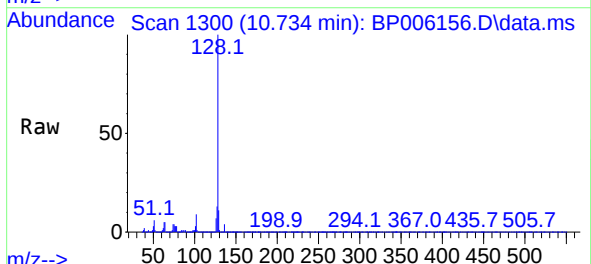
Tgt Ion: 82 Resp: 163599
Ion Ratio Lower Upper
82 100
128 48.6 35.7 53.5
54 43.4 35.0 52.4

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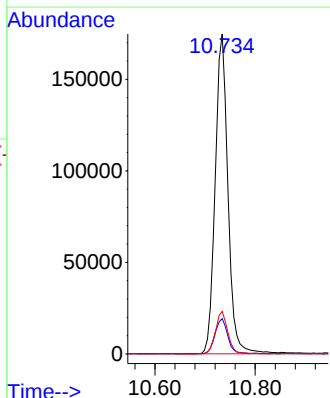
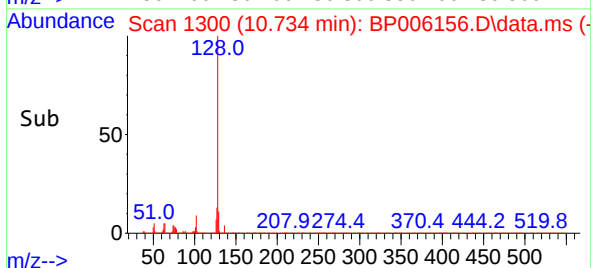
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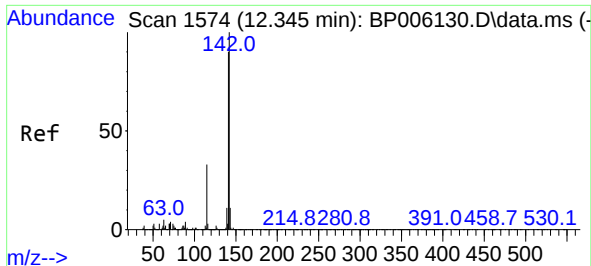


#31
Naphthalene
Concen: 7.067 ng
RT: 10.734 min Scan# 1300
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24



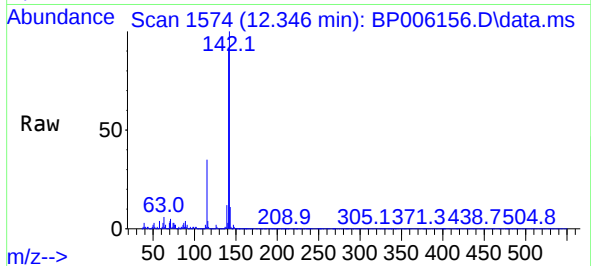
Tgt Ion: 128 Resp: 308041
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.3 10.7 16.1





#37
2-Methylnaphthalene
Concen: 4.915 ng
RT: 12.346 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

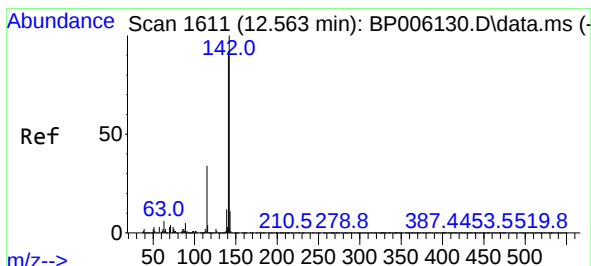
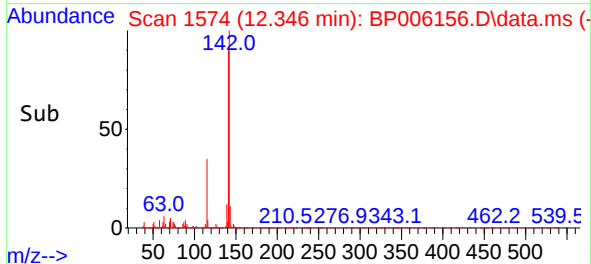
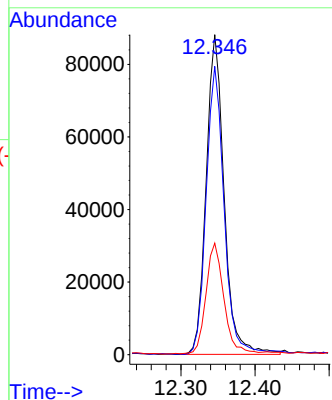
Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283



Tgt Ion:142 Resp: 148655
Ion Ratio Lower Upper
142 100
141 90.1 71.8 107.6
115 34.8 31.6 47.4

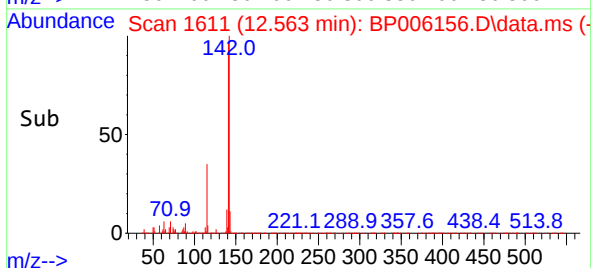
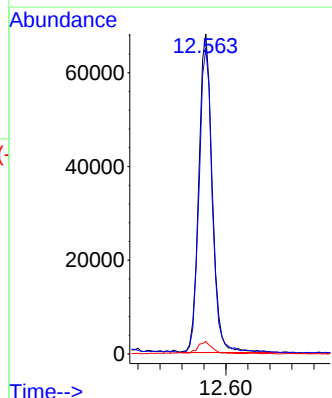
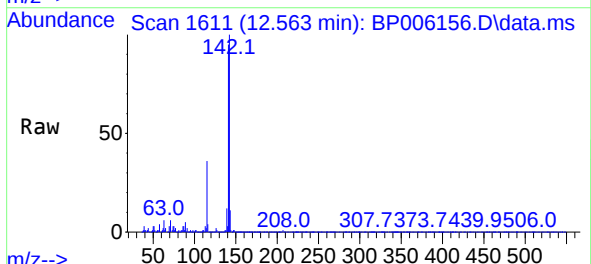
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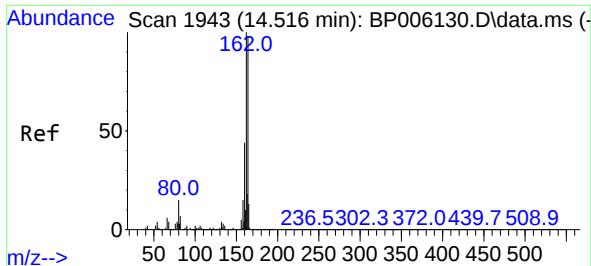
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#38
1-Methylnaphthalene
Concen: 4.052 ng
RT: 12.563 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:142 Resp: 115991
Ion Ratio Lower Upper
142 100
141 95.5 73.3 109.9
116 3.9 3.5 5.3





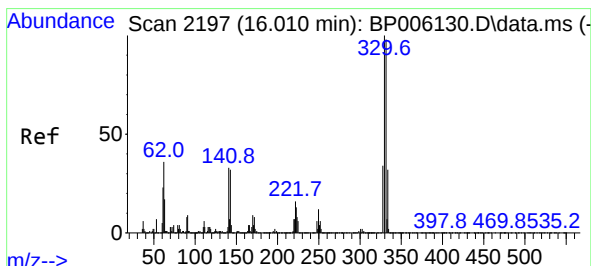
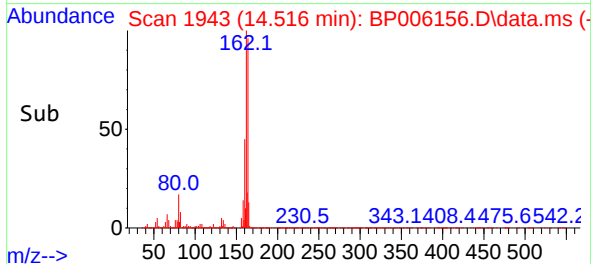
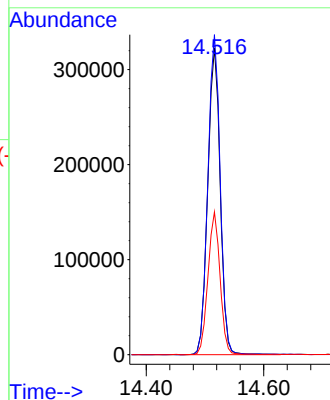
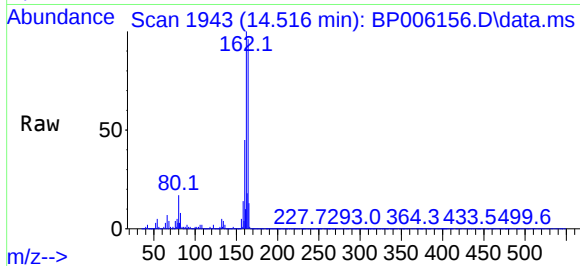
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:164 Resp: 472494
Ion Ratio Lower Upper
164 100
162 104.3 80.2 120.2
160 46.5 34.5 51.7

Instrument :
BNA_P
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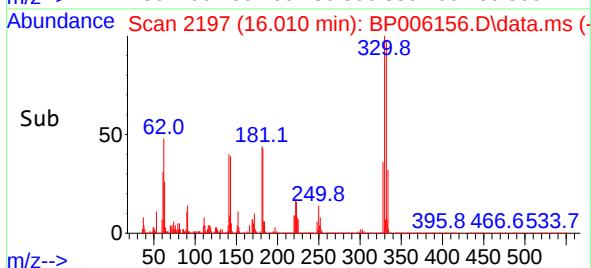
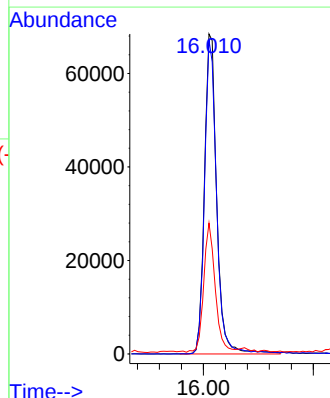
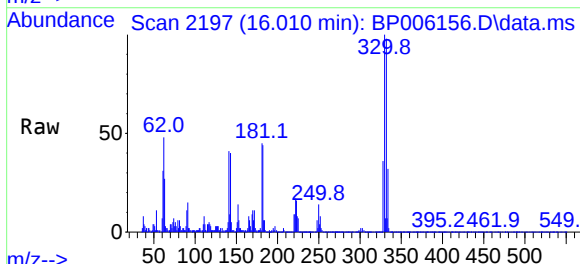
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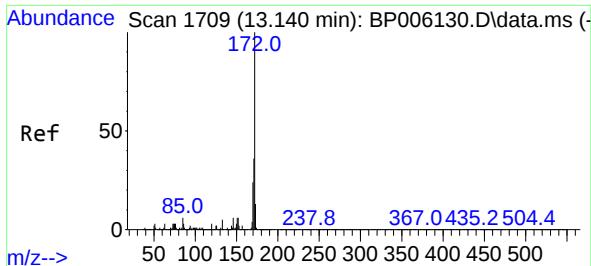
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#42
2,4,6-Tribromophenol
Concen: 18.719 ng
RT: 16.010 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

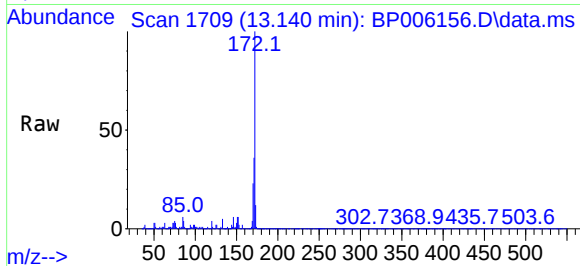
Tgt Ion:330 Resp: 105302
Ion Ratio Lower Upper
330 100
332 97.0 77.8 116.8
141 37.8 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 12.657 ng
RT: 13.140 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

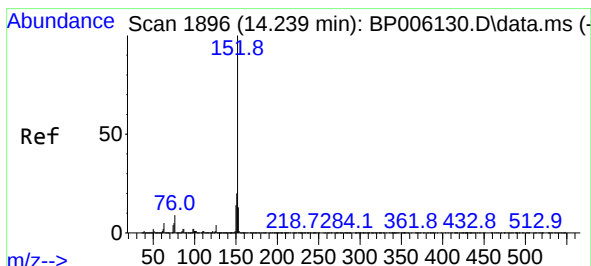
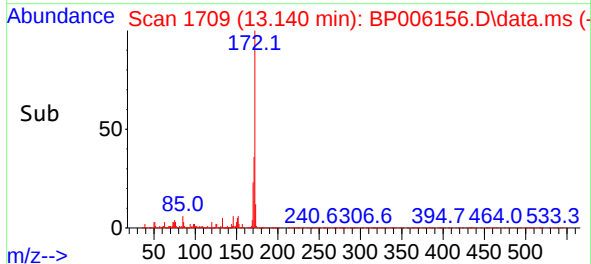
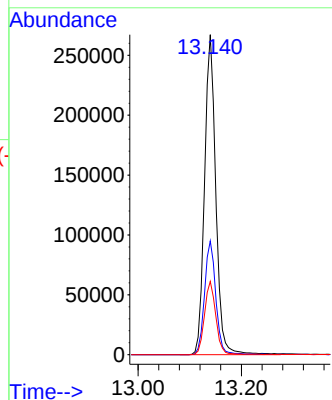
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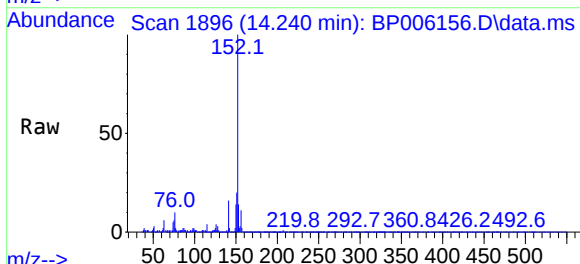
Tgt Ion:172 Resp: 404534
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 22.9 18.6 27.8

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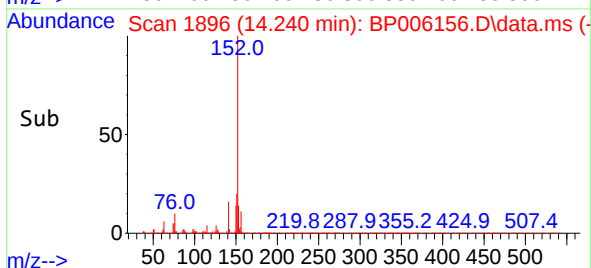
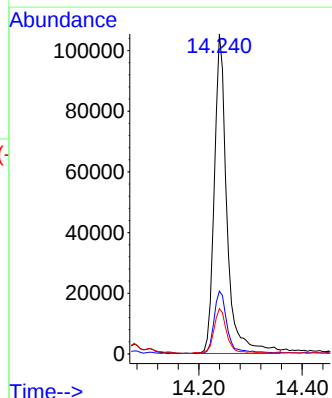
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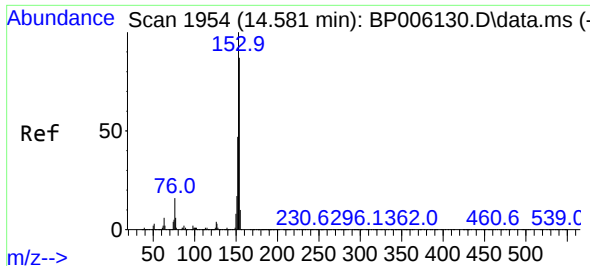


#49
Acenaphthylene
Concen: 4.068 ng
RT: 14.240 min Scan# 1896
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24



Tgt Ion:152 Resp: 178767
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 14.2 10.6 16.0





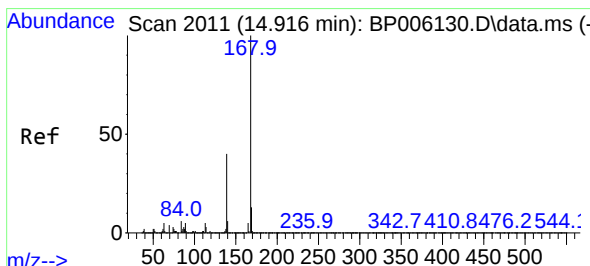
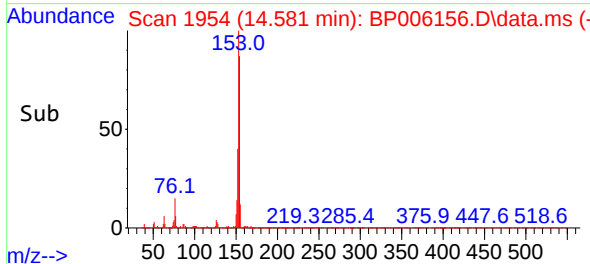
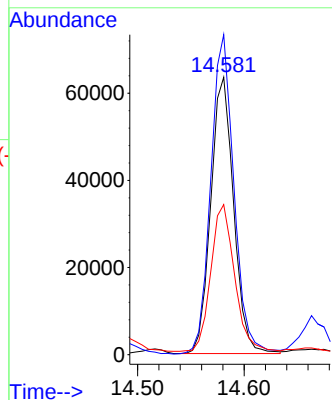
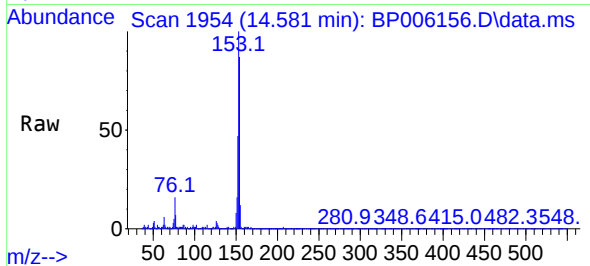
#52
Acenaphthene
Concen: 3.533 ng
RT: 14.581 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:	154	Resp:	94438
Ion	Ratio	Lower	Upper
154	100		
153	115.3	89.4	134.2
152	54.1	43.0	64.4

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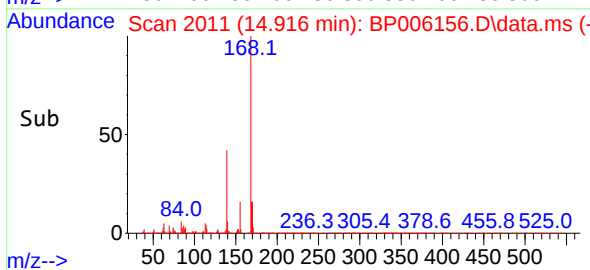
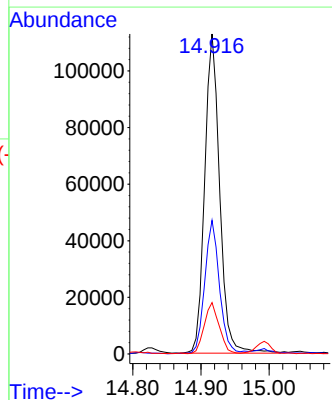
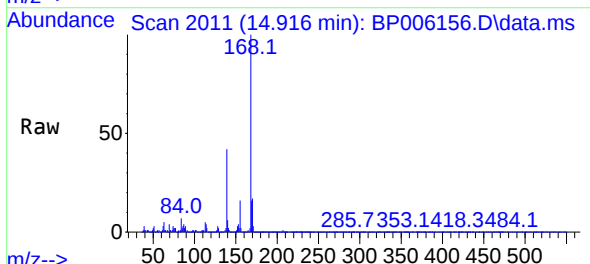
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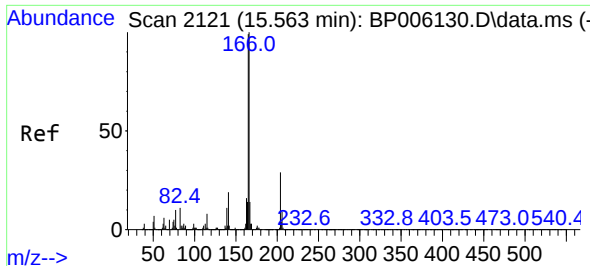
mohammad
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#55
Dibenzofuran
Concen: 4.144 ng
RT: 14.916 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

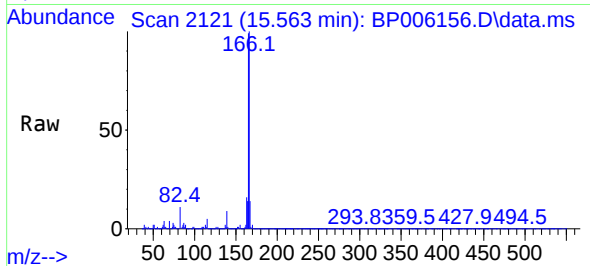
Tgt Ion:	168	Resp:	172450
Ion	Ratio	Lower	Upper
168	100		
139	41.8	31.0	46.6
169	16.1	10.8	16.2





#58
Fluorene
Concen: 9.732 ng
RT: 15.563 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

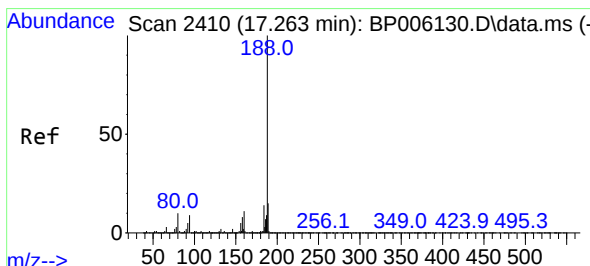
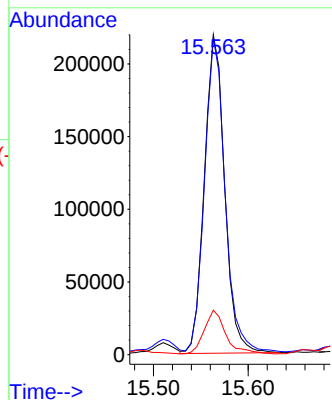
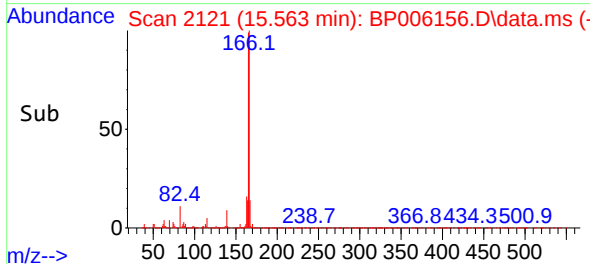
Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283



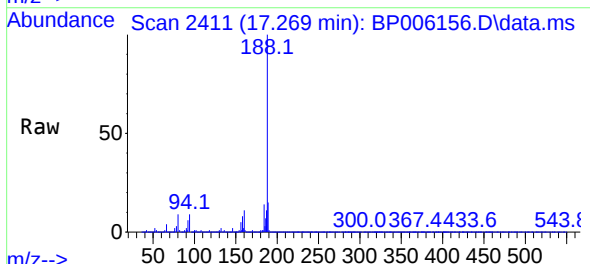
Tgt Ion:166 Resp: 325348
Ion Ratio Lower Upper
166 100
165 99.0 78.0 117.0
167 13.9 10.5 15.7

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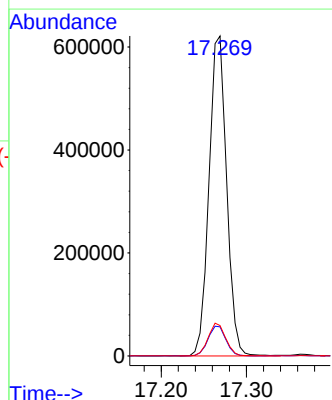
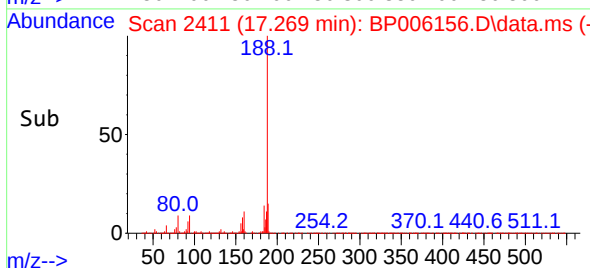
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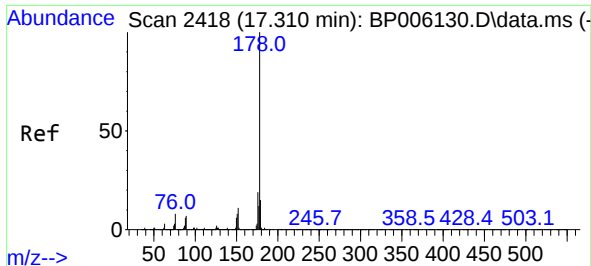


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2411
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24



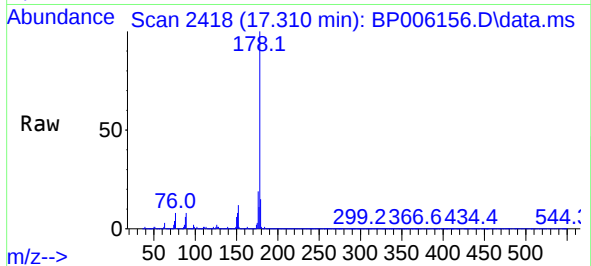
Tgt Ion:188 Resp: 894490
Ion Ratio Lower Upper
188 100
94 9.1 5.6 8.4#
80 9.5 6.3 9.5#





#71
Phenanthrene
Concen: 46.212 ng
RT: 17.310 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

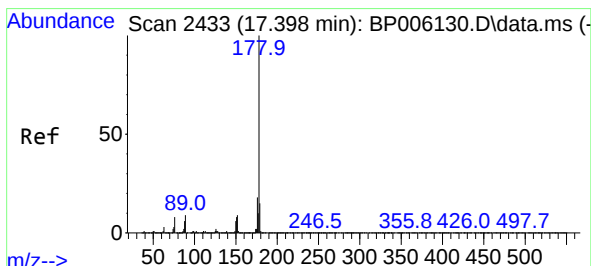
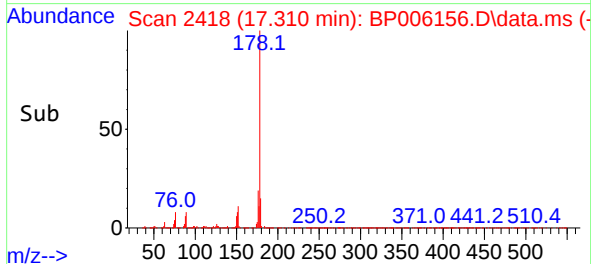
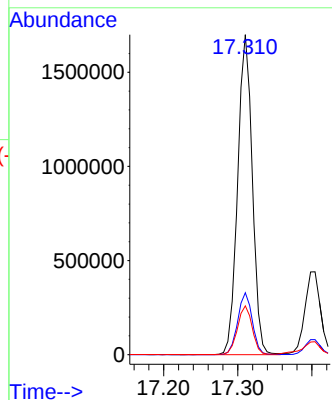
Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283



Tgt Ion:178 Resp: 2334467
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.2 12.4 18.6

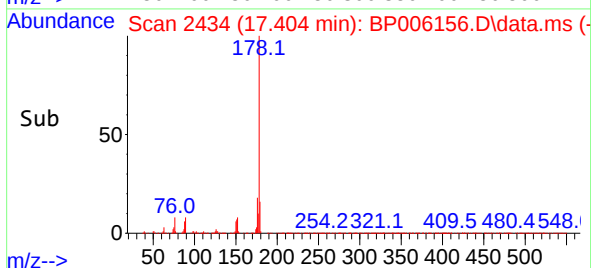
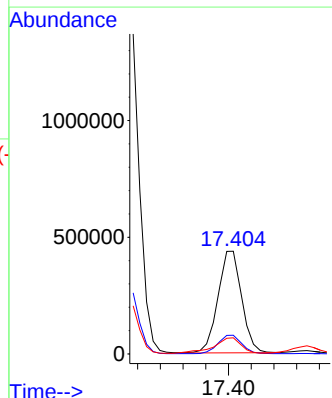
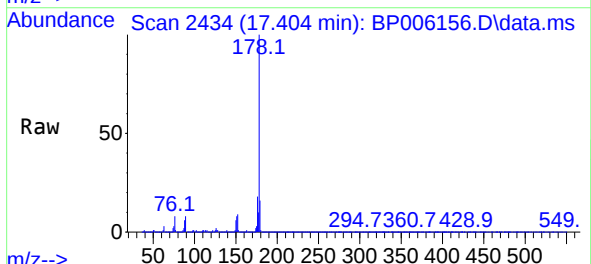
Manual Integrations
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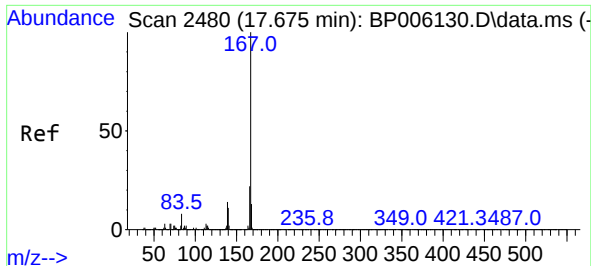
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#72
Anthracene
Concen: 12.782 ng
RT: 17.404 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

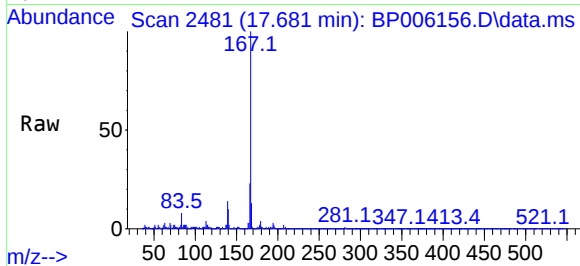
Tgt Ion:178 Resp: 632576
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 15.7 12.2 18.2





#73
Carbazole
Concen: 5.173 ng
RT: 17.681 min Scan# 2481
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

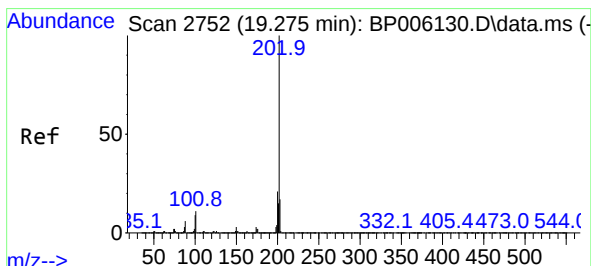
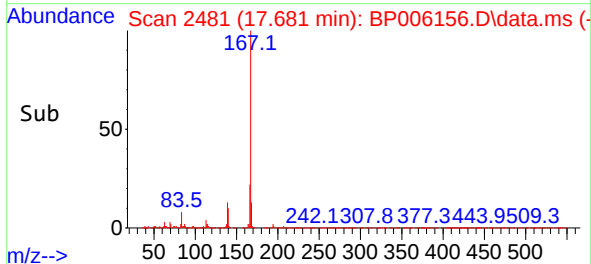
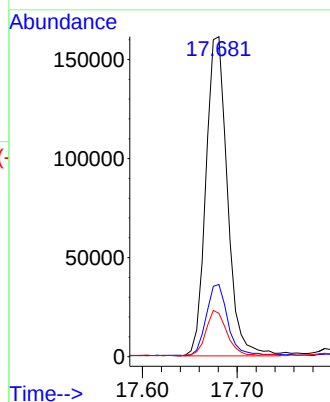
Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283



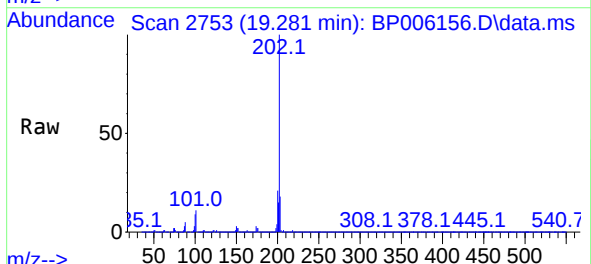
Tgt Ion:167 Resp: 253683
Ion Ratio Lower Upper
167 100
166 22.5 17.1 25.7
139 13.6 10.7 16.1

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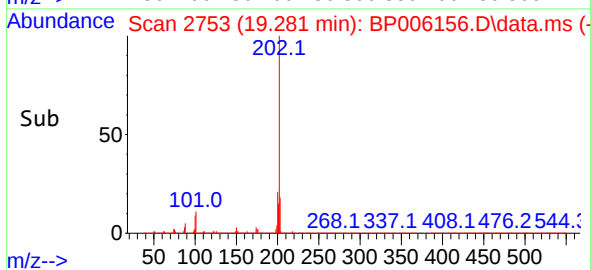
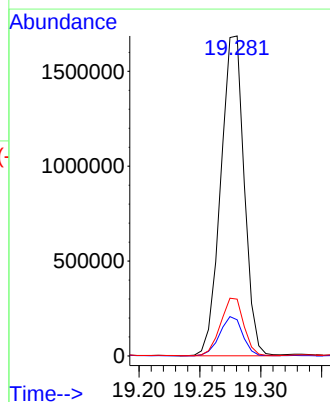
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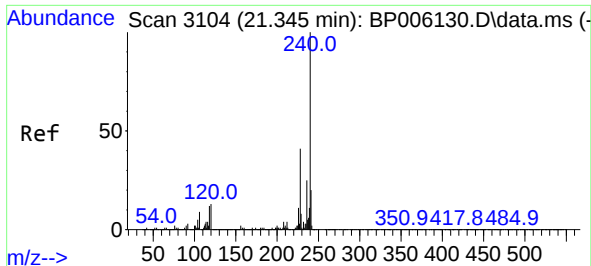


#75
Fluoranthene
Concen: 40.786 ng
RT: 19.281 min Scan# 2753
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24



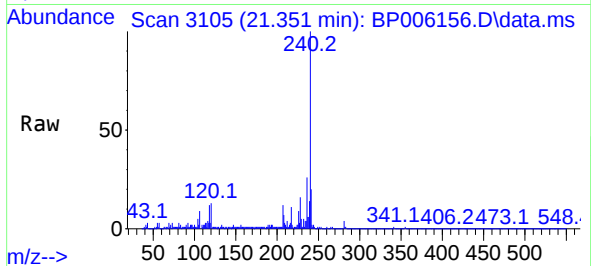
Tgt Ion:202 Resp: 2258204
Ion Ratio Lower Upper
202 100
101 11.3 0.0 27.6
203 17.7 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.351 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

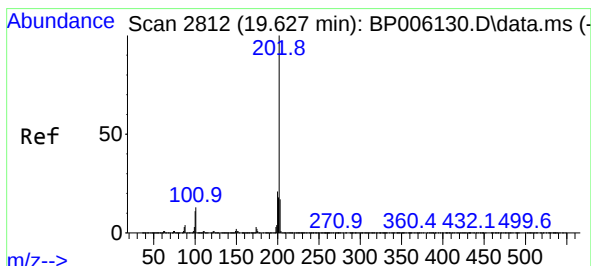
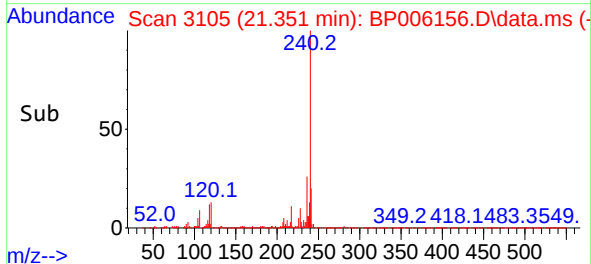
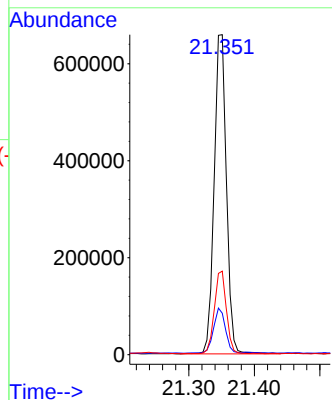
Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283



Tgt Ion:240 Resp: 855925
Ion Ratio Lower Upper
240 100
120 12.9 6.5 9.7#
236 26.1 20.6 31.0

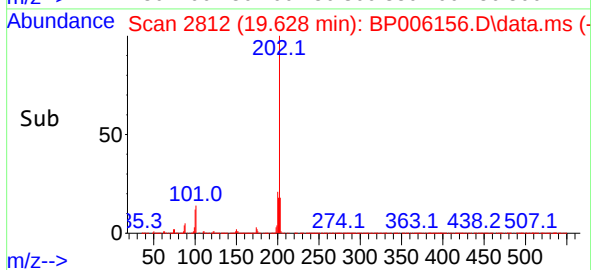
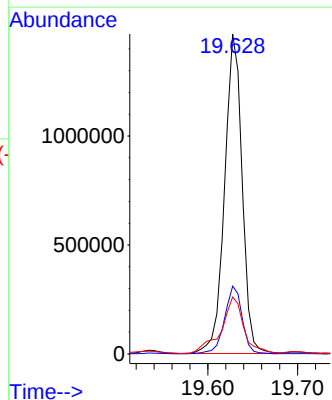
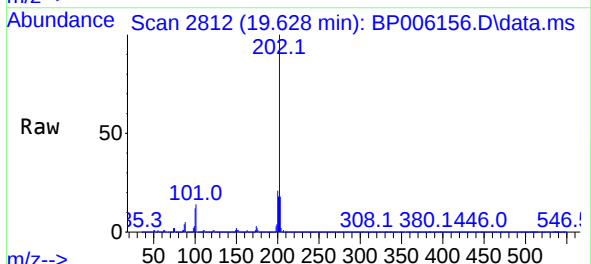
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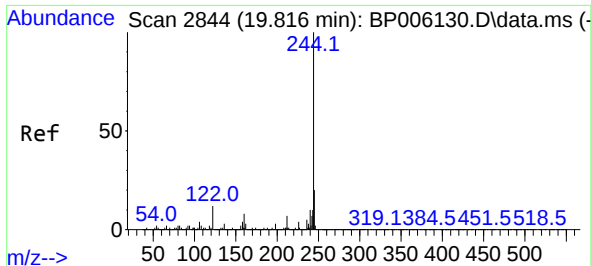
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#78
Pyrene
Concen: 34.337 ng
RT: 19.628 min Scan# 2812
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:202 Resp: 1986515
Ion Ratio Lower Upper
202 100
200 21.2 16.3 24.5
203 17.8 14.2 21.2





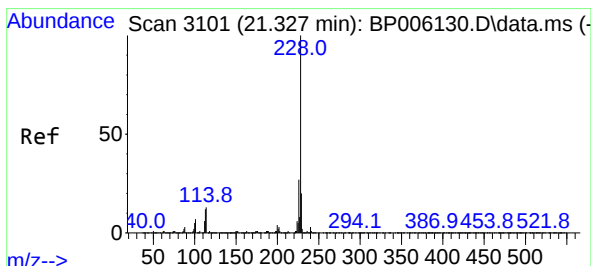
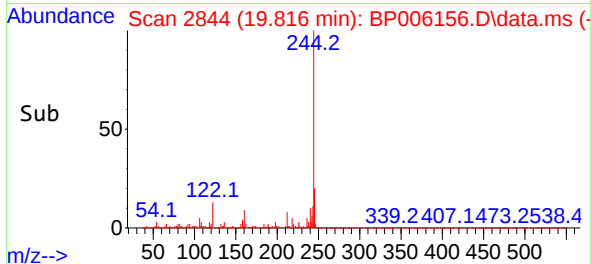
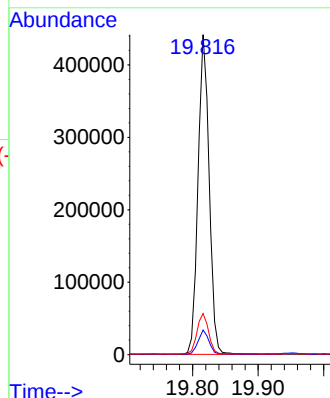
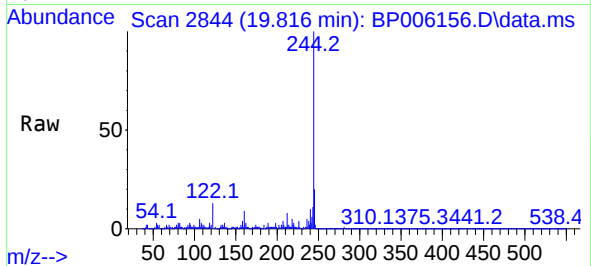
#79
Terphenyl-d14
Concen: 12.028 ng
RT: 19.816 min Scan# 2844
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:244 Resp: 522172
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 12.8 7.1 10.7#

Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283

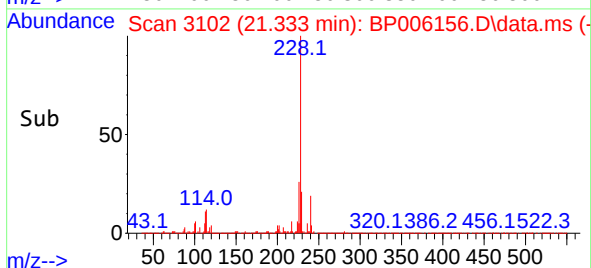
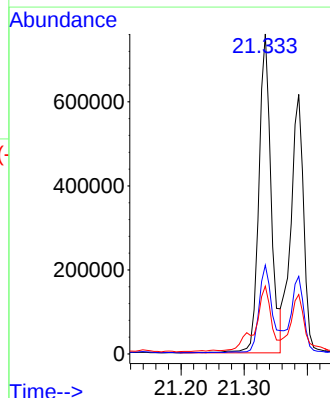
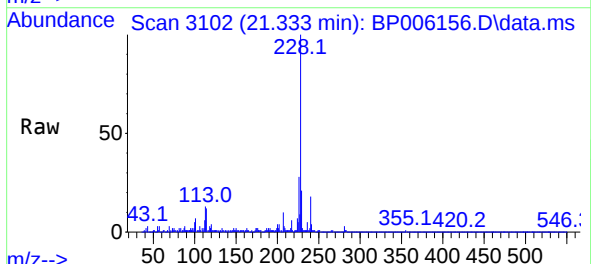
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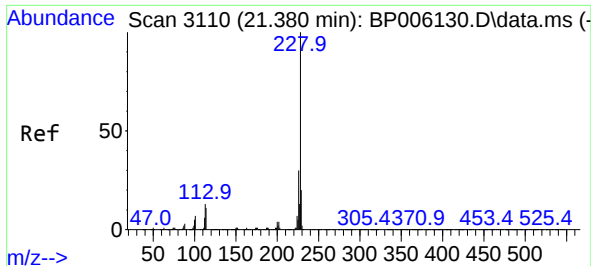
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#81
Benzo(a)anthracene
Concen: 18.859 ng
RT: 21.333 min Scan# 3102
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:228 Resp: 1020910
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 21.2 15.8 23.6





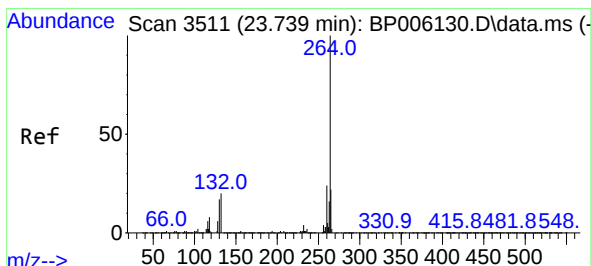
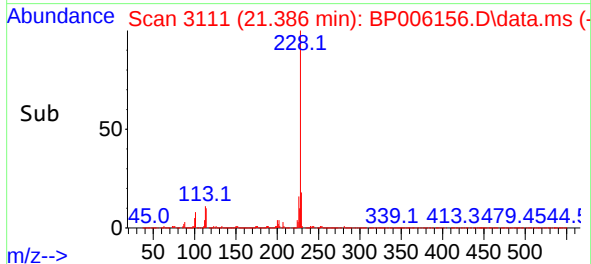
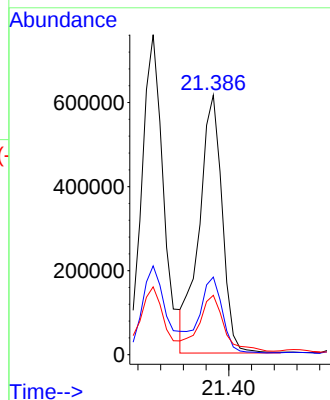
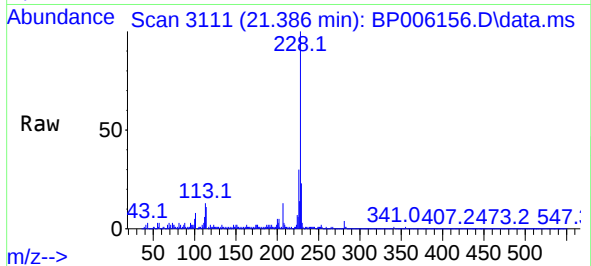
#83
Chrysene
Concen: 16.171 ng
RT: 21.386 min Scan# 3111
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:	228	Resp:	865156
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.8	35.6
229	22.9	15.4	23.2

Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283

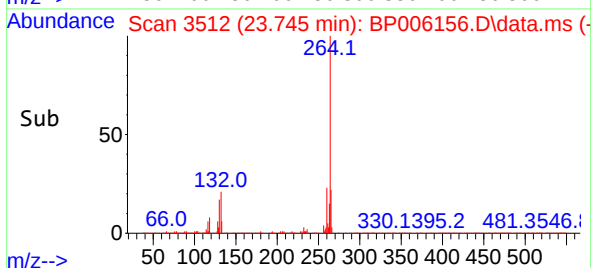
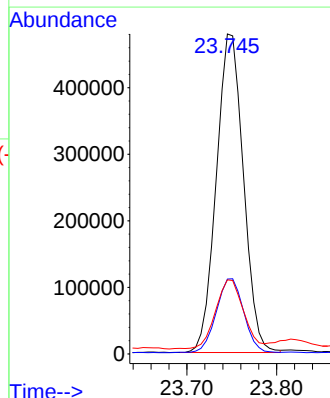
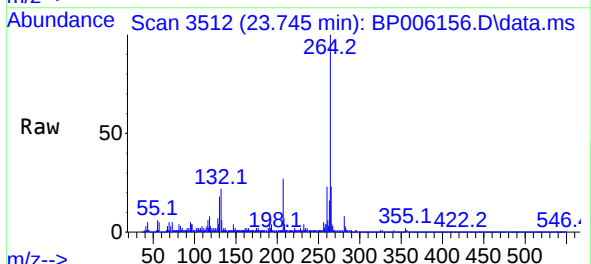
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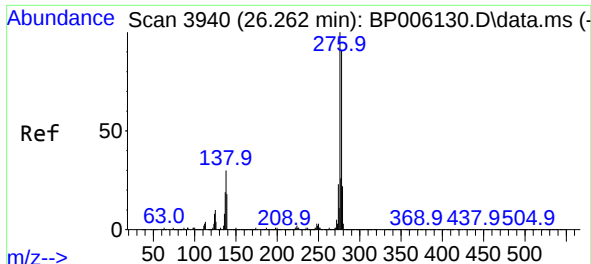
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 3512
Delta R.T. 0.006 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:	264	Resp:	1005069
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.6	28.0
265	23.2	17.6	26.4





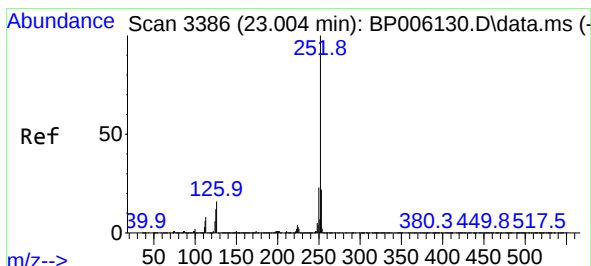
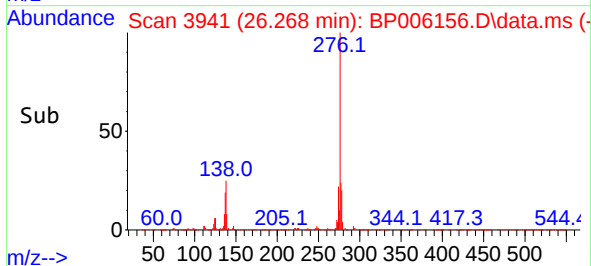
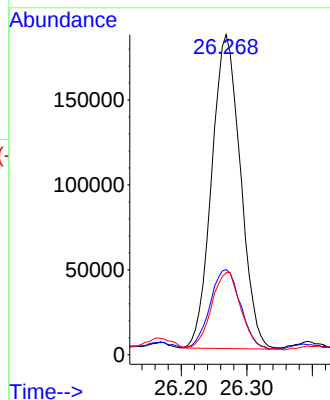
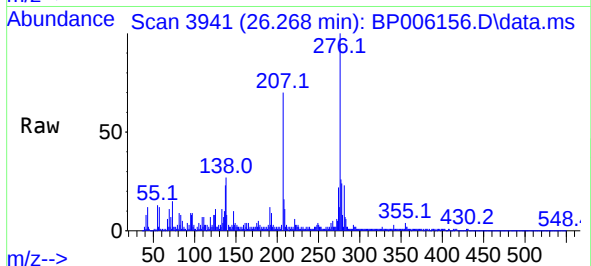
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.593 ng
 RT: 26.268 min Scan# 3941
 Delta R.T. 0.006 min
 Lab File: BP006156.D
 Acq: 09 Jul 2021 00:24

Tgt Ion: 276 Resp: 562672
 Ion Ratio Lower Upper
 276 100
 138 27.0 15.3 22.9#
 277 25.6 20.4 30.6

Instrument :
 BNA_P
 ClientSampleId :
 RO-72-12000-ETGI-283

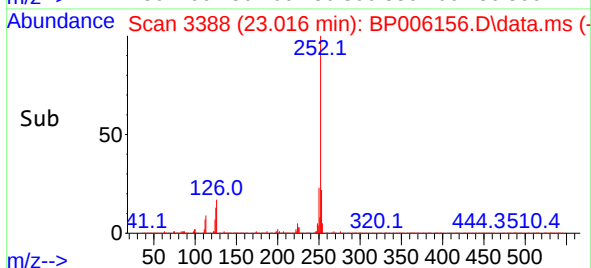
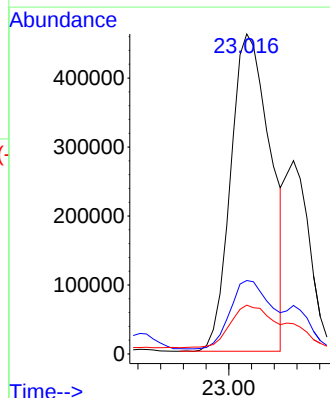
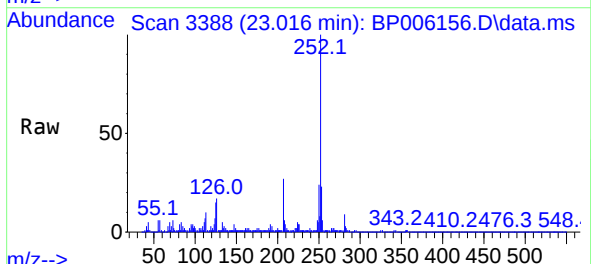
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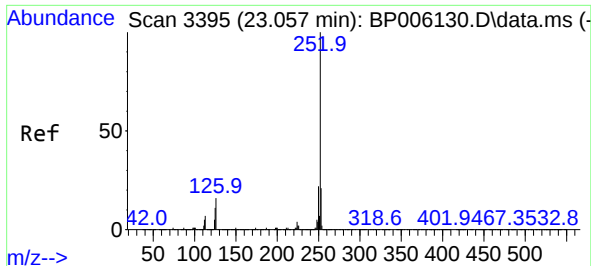
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#88
 Benzo(b)fluoranthene
 Concen: 18.309 ng
 RT: 23.016 min Scan# 3388
 Delta R.T. 0.012 min
 Lab File: BP006156.D
 Acq: 09 Jul 2021 00:24

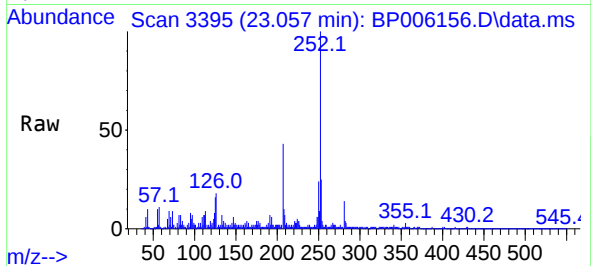
Tgt Ion: 252 Resp: 1116254
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.5 26.3
 125 15.3 6.2 9.4#





#89
Benzo(k)fluoranthene
Concen: 6.948 ng m
RT: 23.057 min Scan# 3395
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

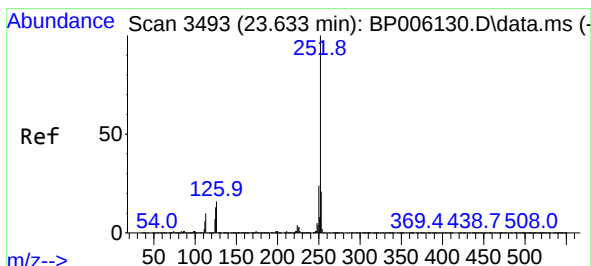
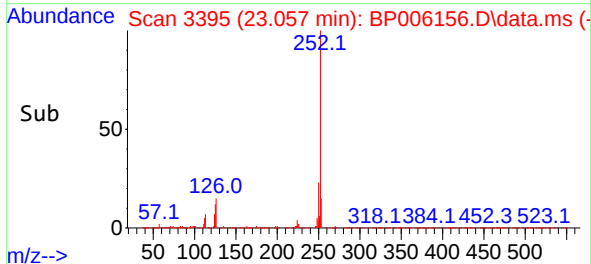
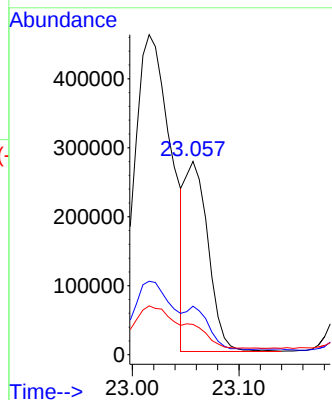
Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283



Tgt Ion:252 Resp: 414028
Ion Ratio Lower Upper
252 100
253 25.1 17.6 26.4
125 15.6 6.0 9.0#

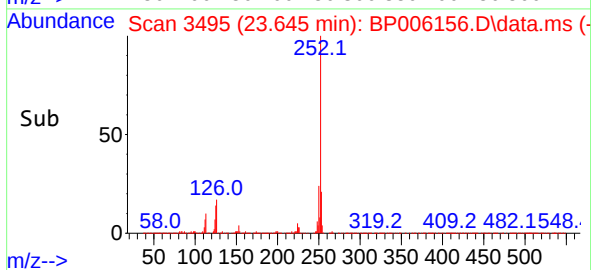
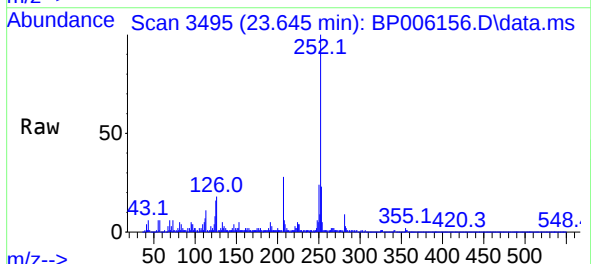
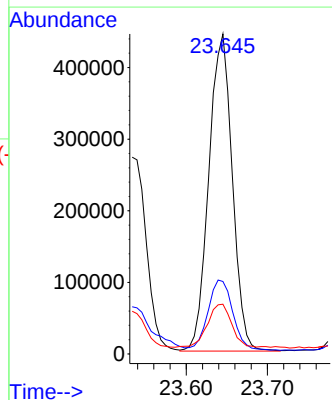
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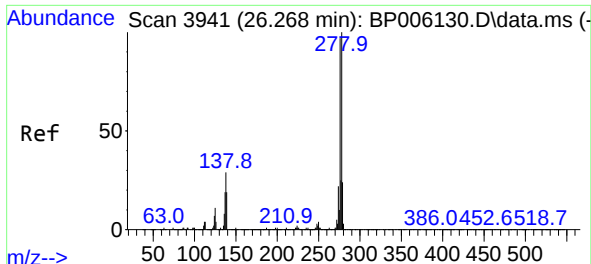
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#90
Benzo(a)pyrene
Concen: 15.571 ng
RT: 23.645 min Scan# 3495
Delta R.T. 0.012 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

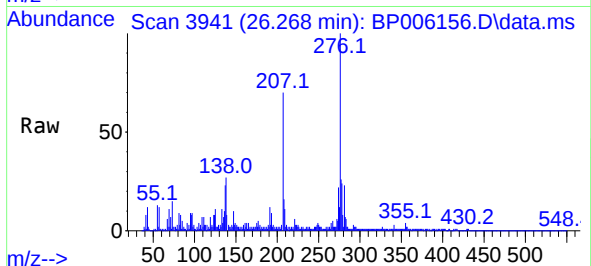
Tgt Ion:252 Resp: 890823
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 15.5 6.5 9.7#





#91
Dibenzo(a,h)anthracene
Concen: 2.510 ng
RT: 26.268 min Scan# 3941
Delta R.T. 0.000 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

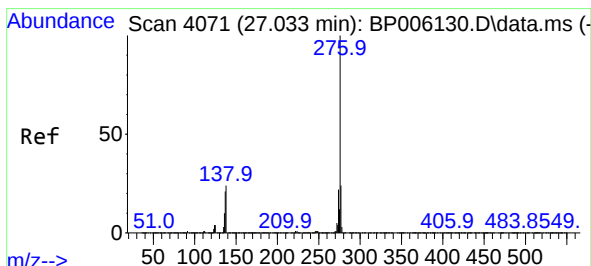
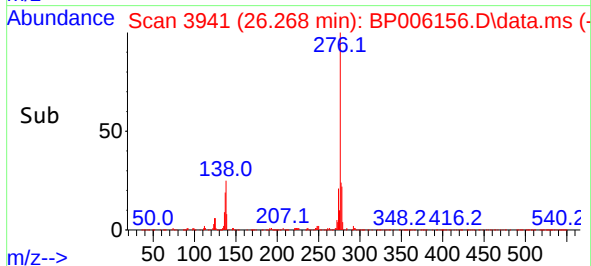
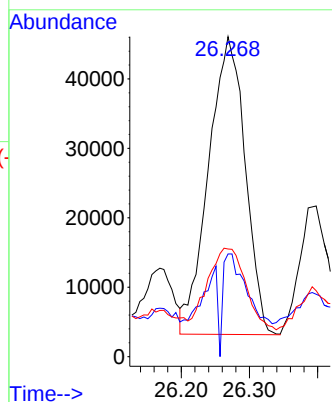
Instrument :
BNA_P
ClientSampleId :
RO-72-12000-ETGI-283



Tgt Ion:278 Resp: 160179
Ion Ratio Lower Upper
278 100
139 32.1 9.3 13.9#
279 33.7 18.8 28.2#

Manual Integrations
APPROVED

mohammad
7/9/2021 2:46:08 PM



#92
Benzo(g,h,i)perylene
Concen: 8.629 ng
RT: 27.045 min Scan# 4073
Delta R.T. 0.012 min
Lab File: BP006156.D
Acq: 09 Jul 2021 00:24

Tgt Ion:276 Resp: 541869
Ion Ratio Lower Upper
276 100
277 25.3 18.9 28.3
138 26.0 12.6 18.8#

