

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
 Data File : BP003585.D
 Acq On : 08 Oct 2020 22:55
 Operator : CG/JU
 Sample : L4309-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OWLS-HEAD-BH-04-A

Quant Time: Oct 09 02:01:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 15:55:58 2020
 Response via : Initial Calibration

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

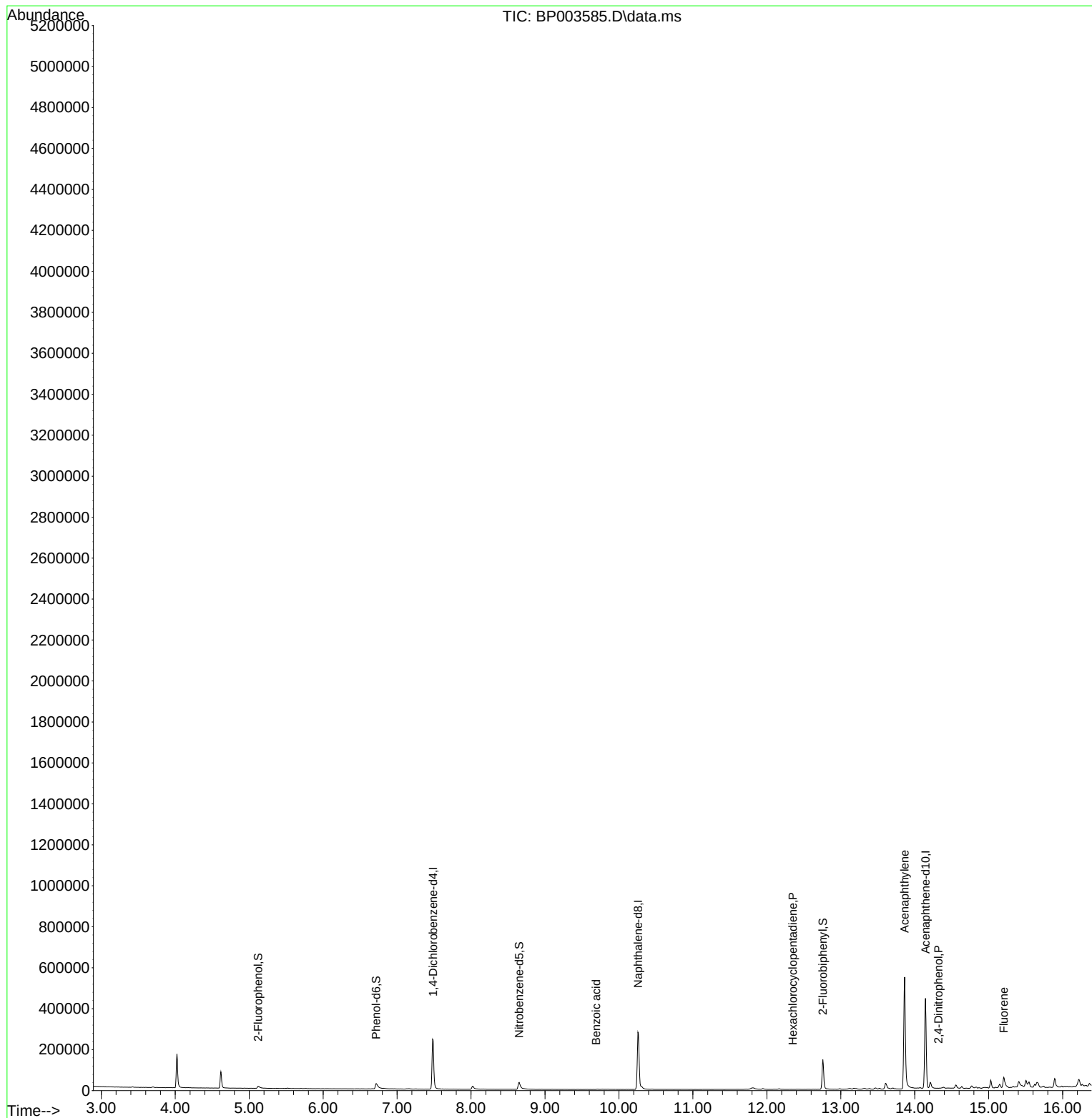
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.487	152	69047	20.00	ng	0.00
21) Naphthalene-d8	10.257	136	247595	20.00	ng	# 0.00
39) Acenaphthene-d10	14.145	164	146157	20.00	ng	0.00
64) Phenanthrene-d10	16.904	188	325888	20.00	ng	0.00
76) Chrysene-d12	21.016	240	361754	20.00	ng	0.00
86) Perylene-d12	23.186	264	425246	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.122	112	8467	2.14	ng	0.02
7) Phenol-d6	6.716	99	29140	5.53	ng	0.03
23) Nitrobenzene-d5	8.652	82	30820	7.31	ng	0.02
42) 2,4,6-Tribromophenol	15.669	330	273	0.12	ng	0.02
45) 2-Fluorobiphenyl	12.757	172	77068	7.71	ng	0.00
79) Terphenyl-d14	19.486	244	126143	7.27	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.693	122	15	9.16	ng	# 24
41) Hexachlorocyclopentadiene	12.351	237	14	6.85	ng	78
49) Acenaphthylene	13.863	152	426643	30.93	ng	99
54) 2,4-Dinitrophenol	14.322	184	24	7.27	ng	# 1
58) Fluorene	15.204	166	28532	2.70	ng	93
70) Pentachlorophenol	16.575	266	51	6.79	ng	93
71) Phenanthrene	16.945	178	407531	22.98	ng	99
72) Anthracene	17.039	178	391947	22.43	ng	99
75) Fluoranthene	18.939	202	2490112	111.69	ng	98
78) Pyrene	19.292	202	2278005	100.97	ng	100
81) Benzo(a)anthracene	21.004	228	1870899	80.00	ng	95
83) Chrysene	21.057	228	1387149	61.74	ng	97
87) Indeno(1,2,3-cd)pyrene	25.398	276	990104	30.72	ng	# 90
88) Benzo(b)fluoranthene	22.551	252	2918895	108.70	ng	97
89) Benzo(k)fluoranthene	22.551	252	2918895	113.41	ng	98
90) Benzo(a)pyrene	23.004	252	968772	38.26	ng	98
91) Dibenzo(a,h)anthracene	25.386	278	333849	12.55	ng	# 78
92) Benzo(g,h,i)perylene	26.068	276	858460	32.33	ng	# 93

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

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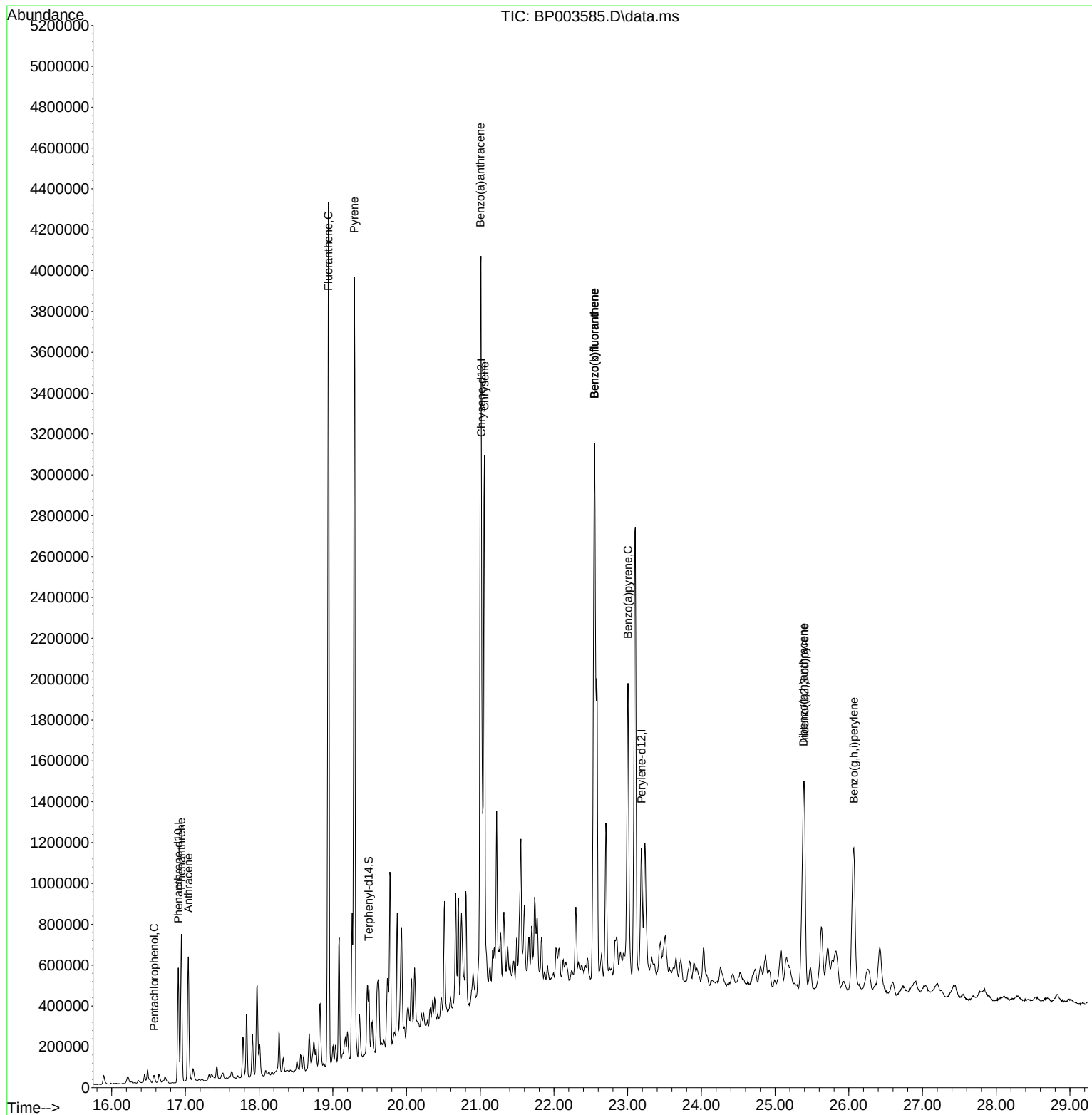
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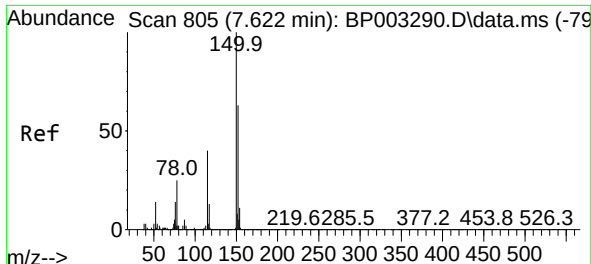


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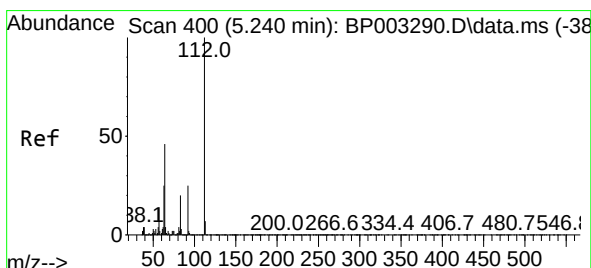
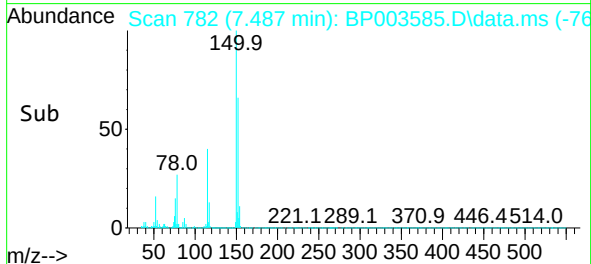
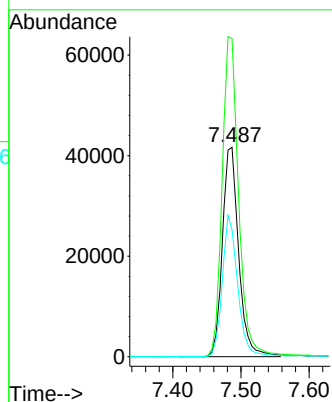
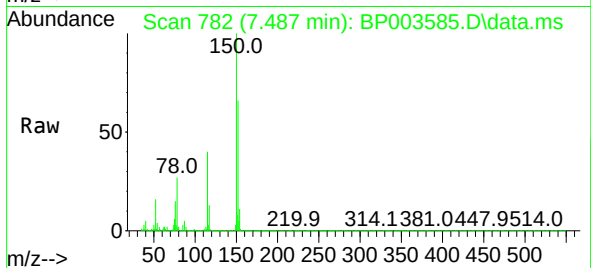




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.487 min Scan# 782
Delta R.T. 0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

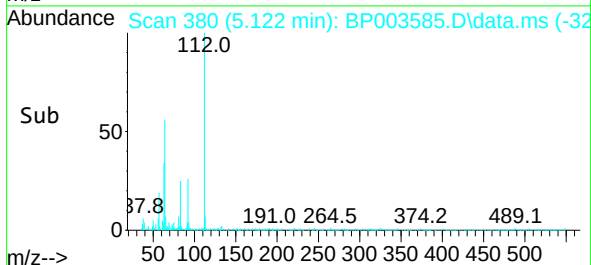
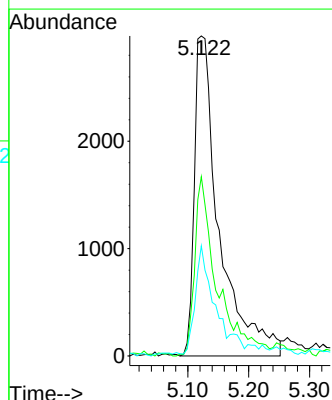
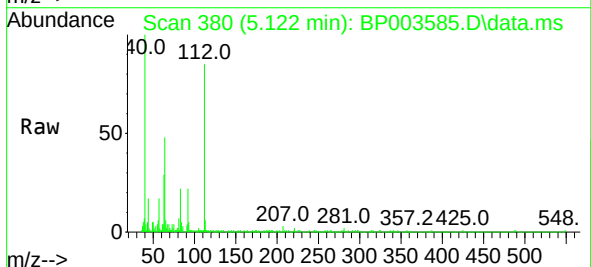
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-04-A

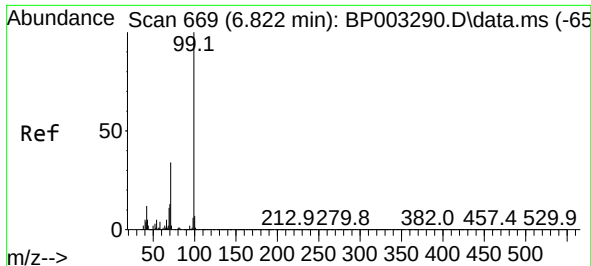
Tgt Ion:152 Resp: 69047
Ion Ratio Lower Upper
152 100
150 152.0 123.8 185.6
115 60.7 43.8 65.6



#5
2-Fluorophenol
Concen: 2.14 ng
RT: 5.122 min Scan# 380
Delta R.T. 0.024 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion:112 Resp: 8467
Ion Ratio Lower Upper
112 100
64 56.0 32.8 49.2#
63 34.4 17.0 25.4#

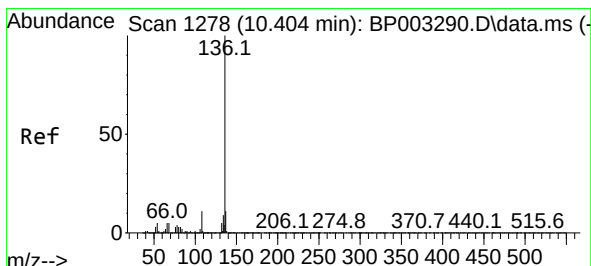
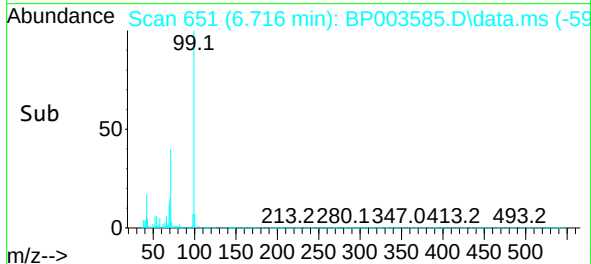
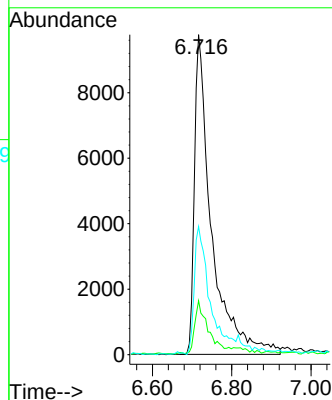
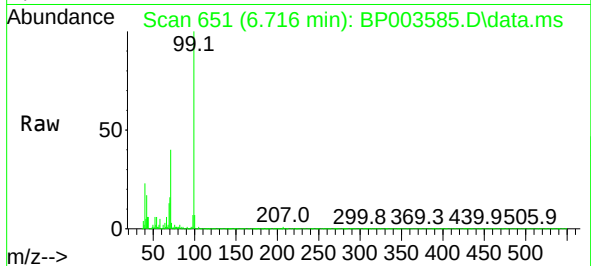




#7
Phenol-d6
Concen: 5.53 ng
RT: 6.716 min Scan# 651
Delta R.T. 0.029 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

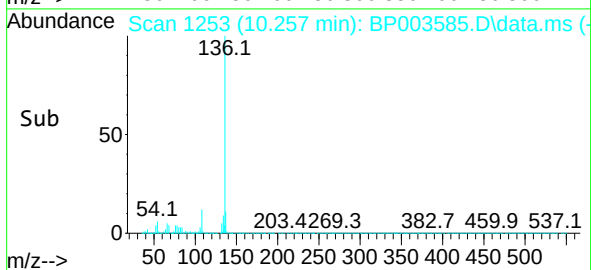
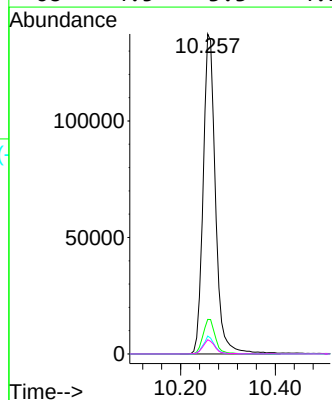
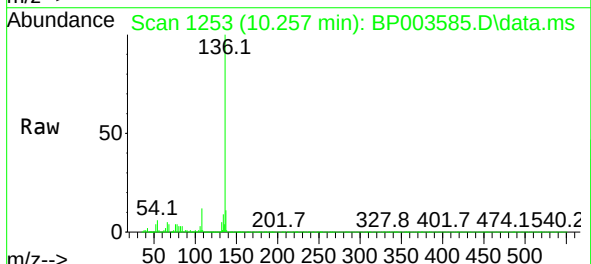
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ClientSampleId :
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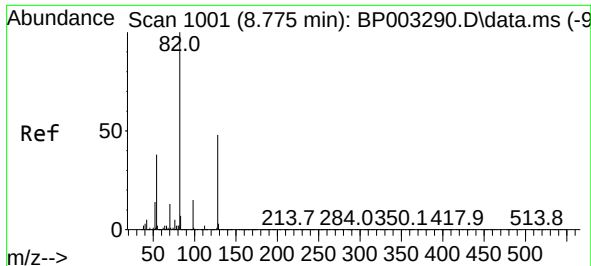
Tgt Ion: 99 Resp: 29140
Ion Ratio Lower Upper
99 100
42 16.9 8.6 13.0#
71 40.1 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.257 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion: 136 Resp: 247595
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.6 3.6 5.4#
68 4.5 3.3 4.9

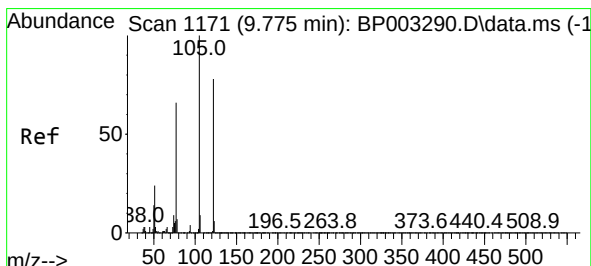
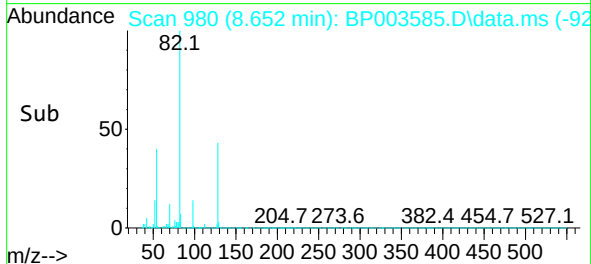
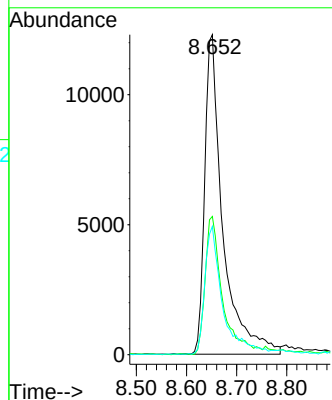
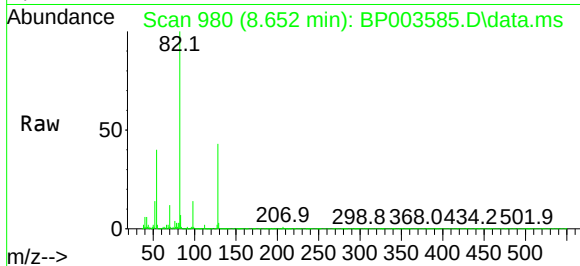




#23
Nitrobenzene-d5
Concen: 7.31 ng
RT: 8.652 min Scan# 980
Delta R.T. 0.018 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

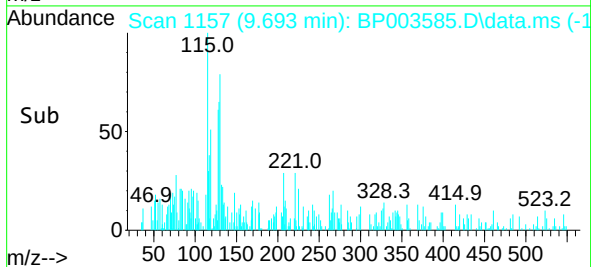
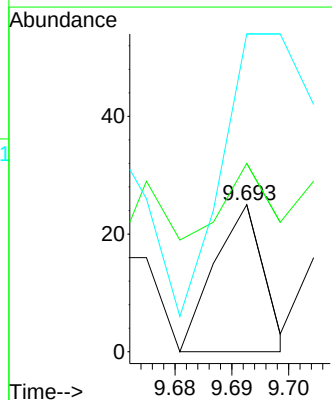
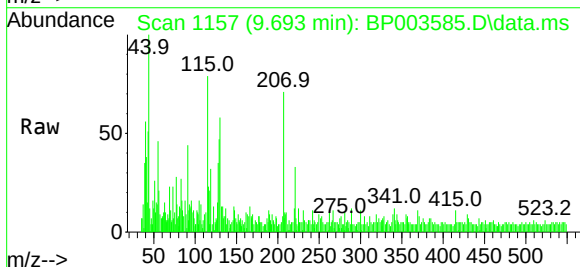
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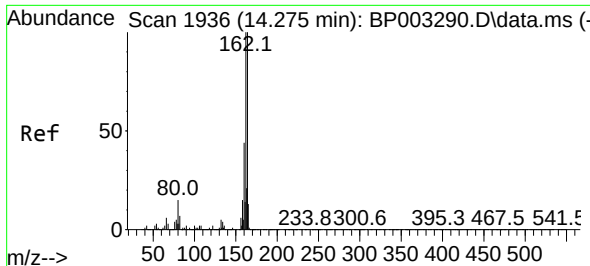
Tgt Ion: 82 Resp: 30820
Ion Ratio Lower Upper
82 100
128 43.2 45.6 68.4#
54 40.1 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.693 min Scan# 1157
Delta R.T. 0.012 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion: 122 Resp: 15
Ion Ratio Lower Upper
122 100
105 128.0 94.1 134.1
77 216.0 50.1 90.1#

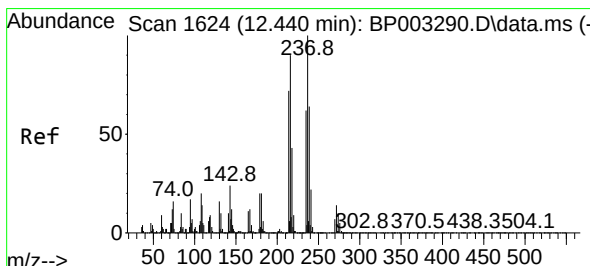
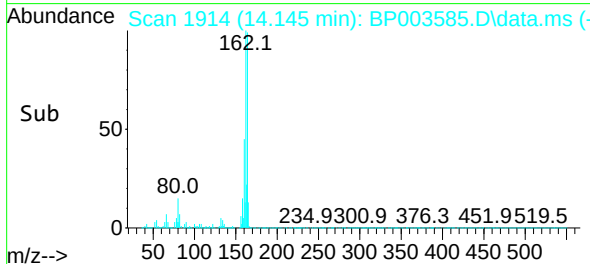
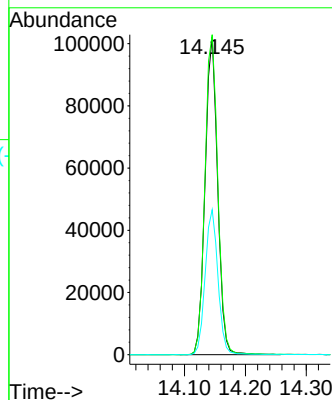
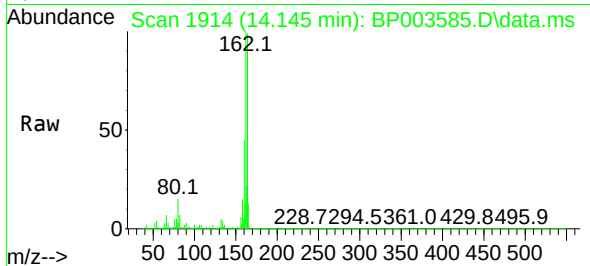




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.145 min Scan# 1914
Delta R.T. 0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

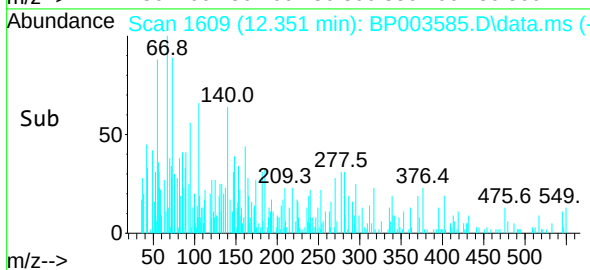
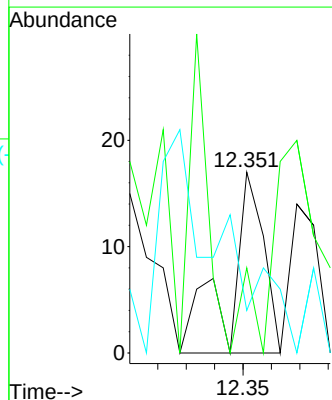
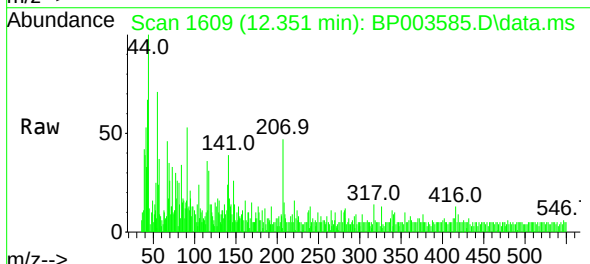
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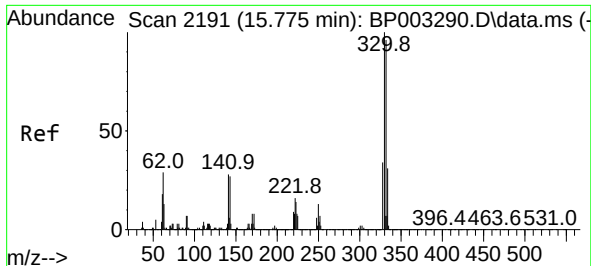
Tgt Ion:164 Resp: 146157
Ion Ratio Lower Upper
164 100
162 100.7 79.4 119.2
160 45.6 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.351 min Scan# 1609
Delta R.T. 0.059 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion:237 Resp: 14
Ion Ratio Lower Upper
237 100
235 47.1 43.2 83.2
272 23.5 0.0 33.3

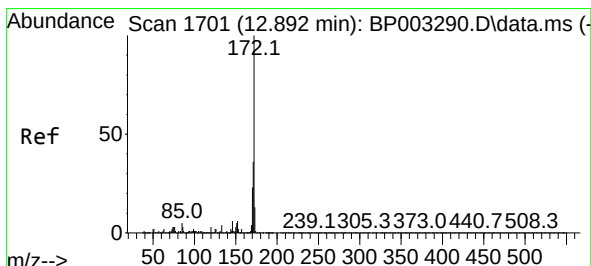
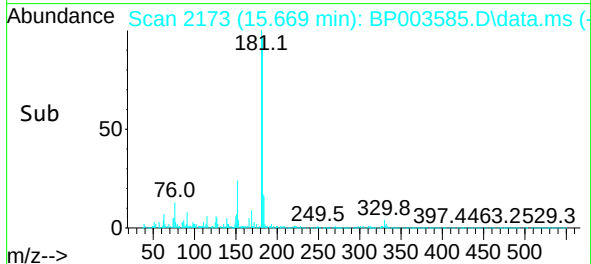
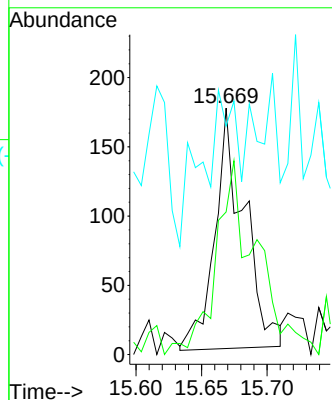
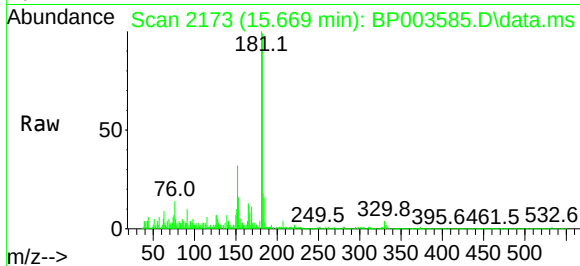




#42
2,4,6-Tribromophenol
Concen: 0.12 ng
RT: 15.669 min Scan# 2173
Delta R.T. 0.024 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

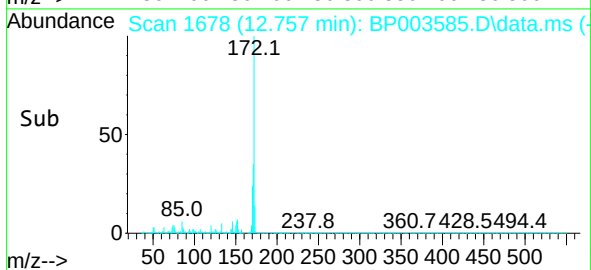
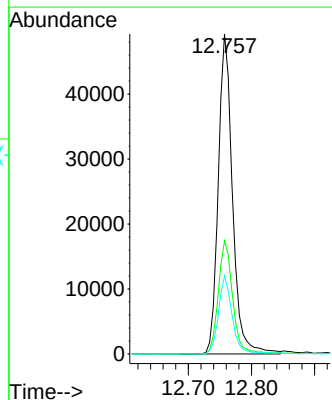
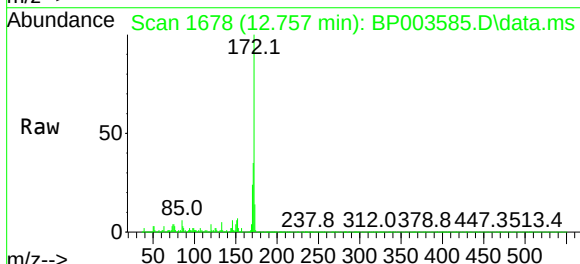
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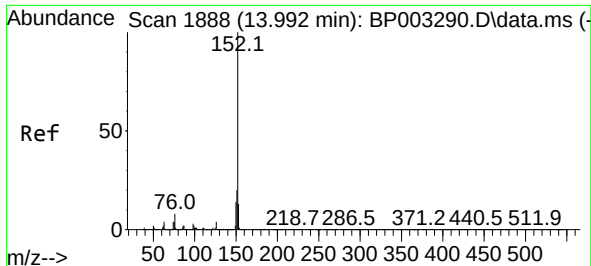
Tgt Ion: 330 Resp: 273
Ion Ratio Lower Upper
330 100
332 108.1 77.1 115.7
141 75.8 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 7.71 ng
RT: 12.757 min Scan# 1678
Delta R.T. 0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion: 172 Resp: 77068
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 24.4 19.2 28.8

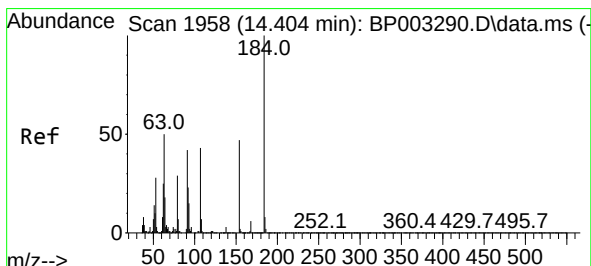
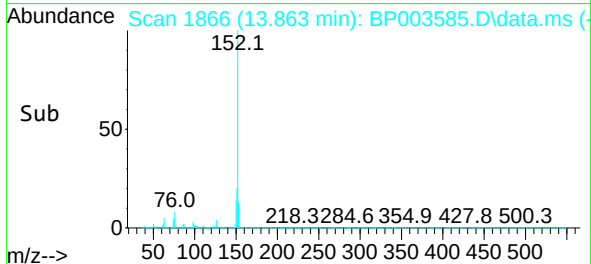
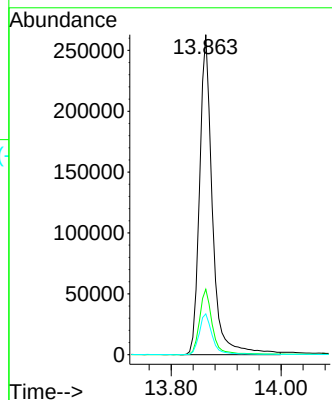
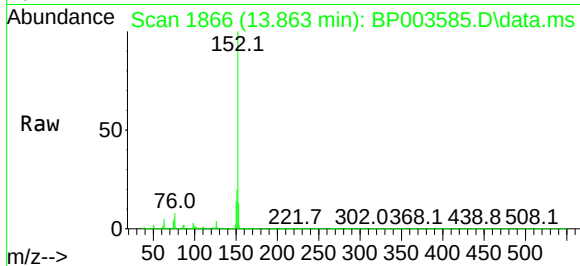




#49
Acenaphthylene
Concen: 30.93 ng
RT: 13.863 min Scan# 1866
Delta R.T. 0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

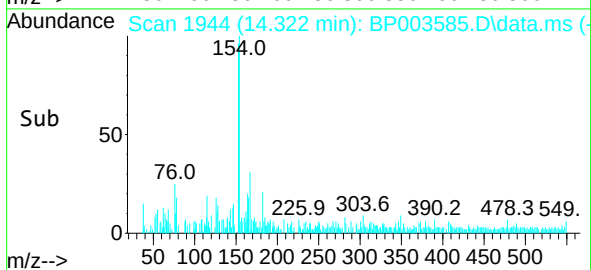
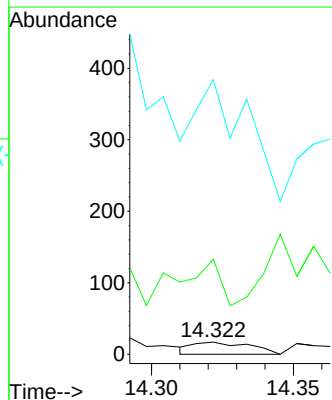
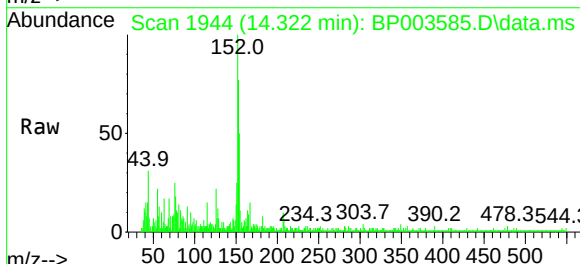
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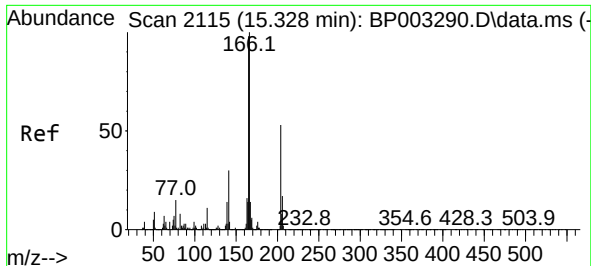
Tgt Ion:152 Resp: 426643
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 12.7 10.5 15.7



#54
2,4-Dinitrophenol
Concen: 7.27 ng
RT: 14.322 min Scan# 1944
Delta R.T. 0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion:184 Resp: 24
Ion Ratio Lower Upper
184 100
63 782.4 32.3 48.5#
154 2258.8 49.1 73.7#

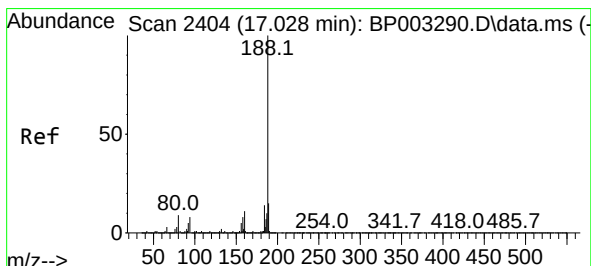
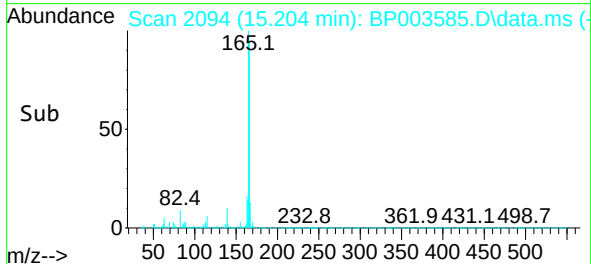
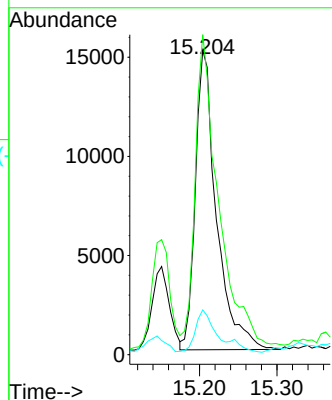
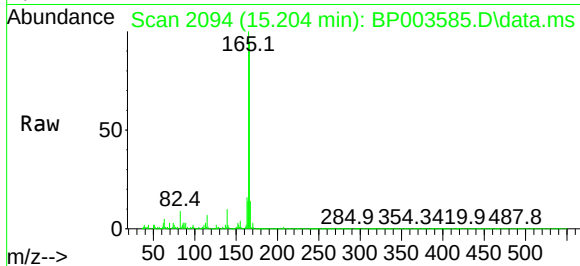




#58
Fluorene
Concen: 2.70 ng
RT: 15.204 min Scan# 2094
Delta R.T. 0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

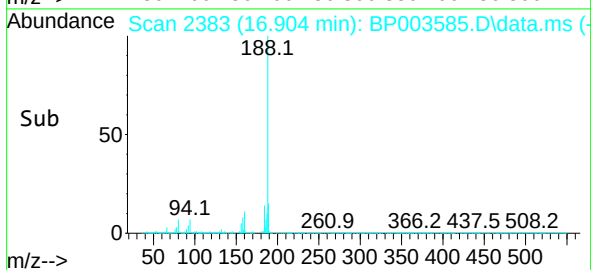
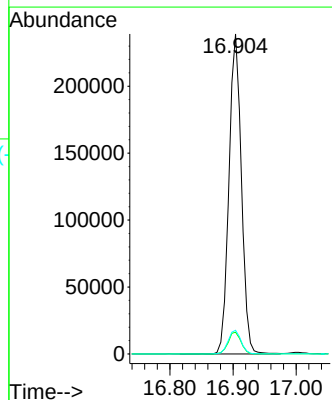
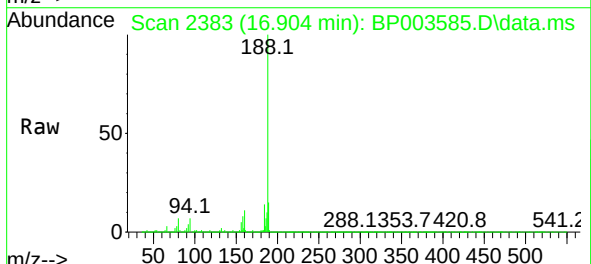
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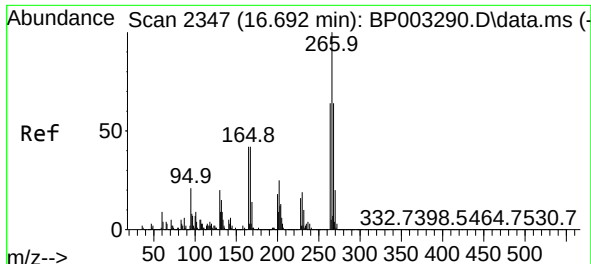
Tgt Ion:166 Resp: 28532
Ion Ratio Lower Upper
166 100
165 105.1 77.8 116.8
167 14.7 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.904 min Scan# 2383
Delta R.T. 0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion:188 Resp: 325888
Ion Ratio Lower Upper
188 100
94 6.8 6.2 9.2
80 7.4 6.2 9.2

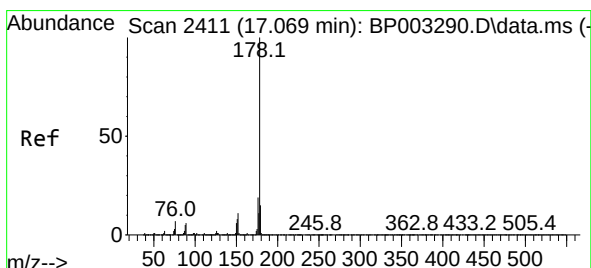
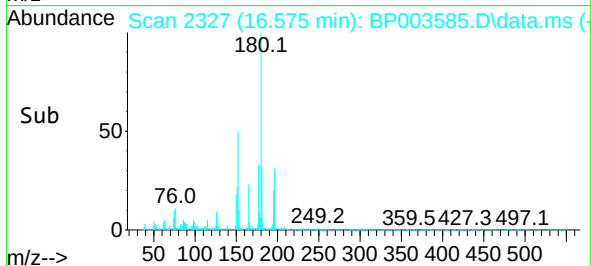
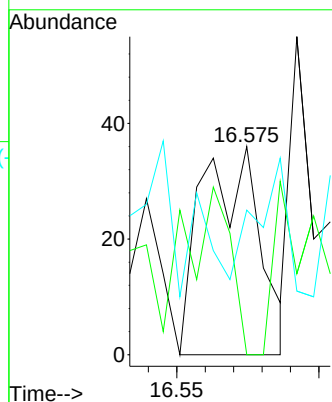
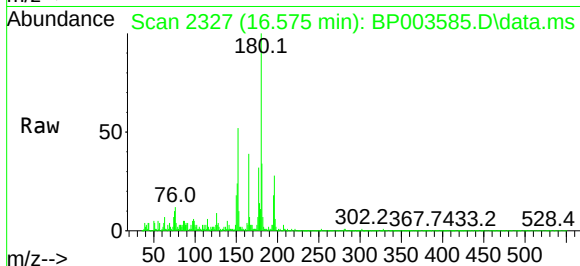




#70
Pentachlorophenol
Concen: 6.79 ng
RT: 16.575 min Scan# 2327
Delta R.T. -0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

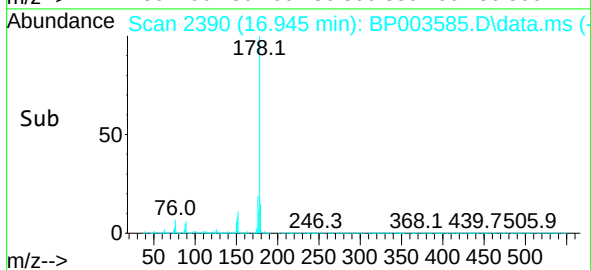
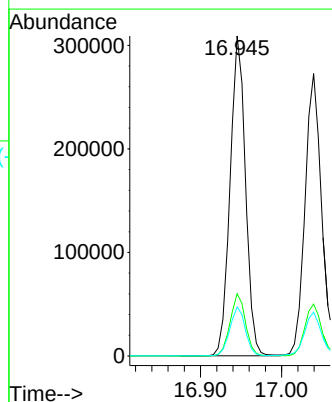
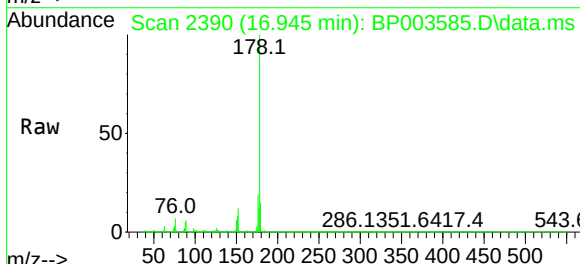
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-04-A

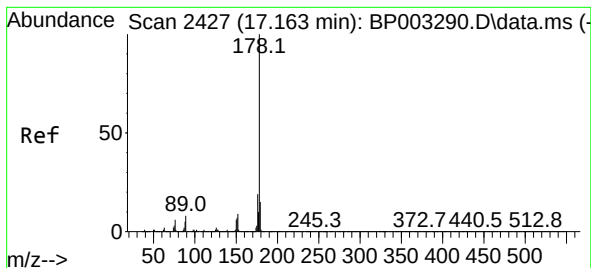
Tgt Ion:266 Resp: 51
Ion Ratio Lower Upper
266 100
268 69.4 51.1 76.7
264 69.4 50.6 76.0



#71
Phenanthrene
Concen: 22.98 ng
RT: 16.945 min Scan# 2390
Delta R.T. 0.006 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion:178 Resp: 407531
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.3 12.5 18.7

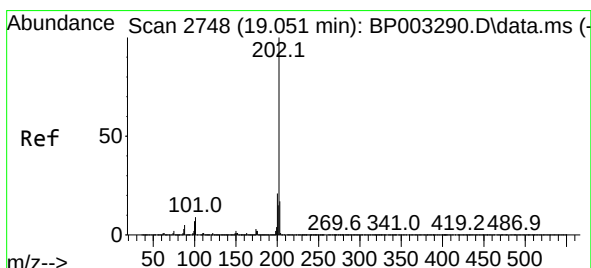
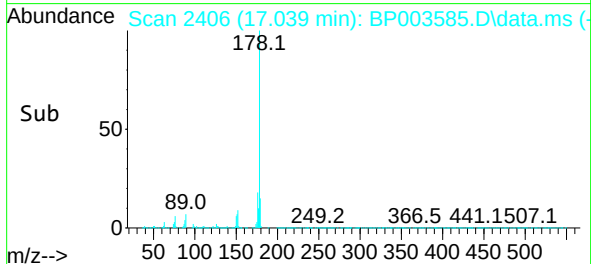
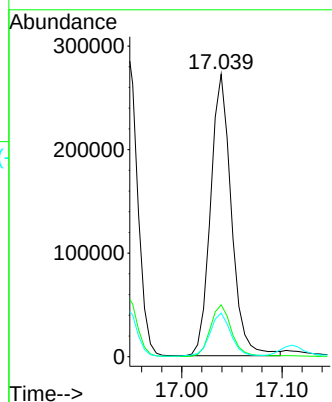
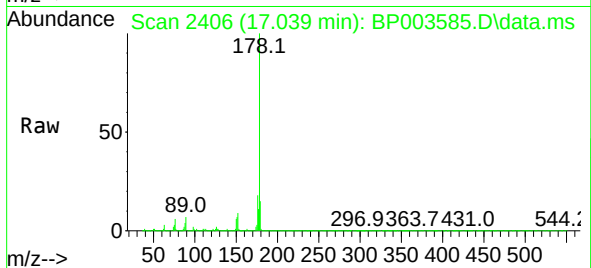




#72
 Anthracene
 Concen: 22.43 ng
 RT: 17.039 min Scan# 2406
 Delta R.T. 0.006 min
 Lab File: BP003585.D
 Acq: 08 Oct 2020 22:55

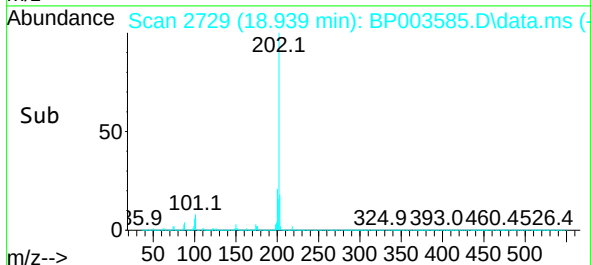
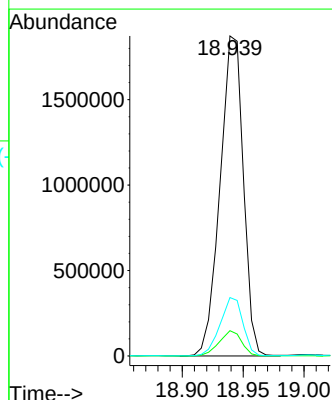
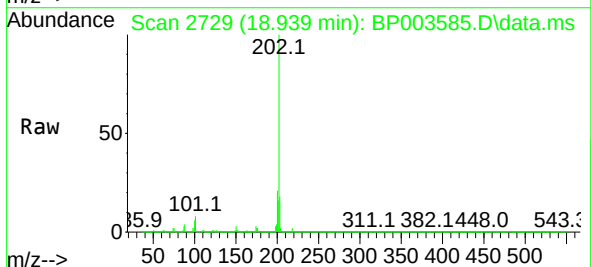
Instrument :
 BNA_P
 ClientSampleId :
 OWLS-HEAD-BH-04-A

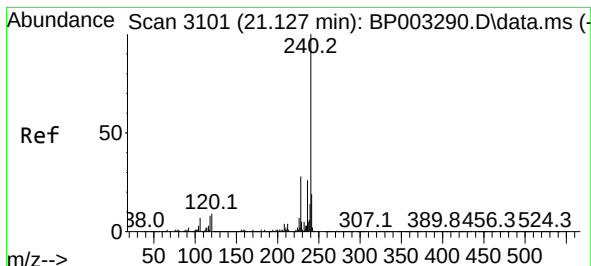
Tgt Ion:178 Resp: 391947
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.4
 179 15.5 12.5 18.7



#75
 Fluoranthene
 Concen: 111.69 ng
 RT: 18.939 min Scan# 2729
 Delta R.T. 0.006 min
 Lab File: BP003585.D
 Acq: 08 Oct 2020 22:55

Tgt Ion:202 Resp: 2490112
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 29.4
 203 18.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.016 min Scan# 3082

Delta R.T. 0.006 min

Lab File: BP003585.D

Acq: 08 Oct 2020 22:55

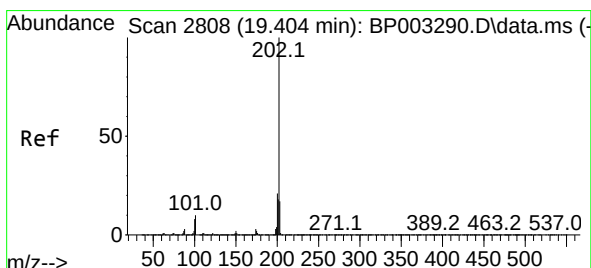
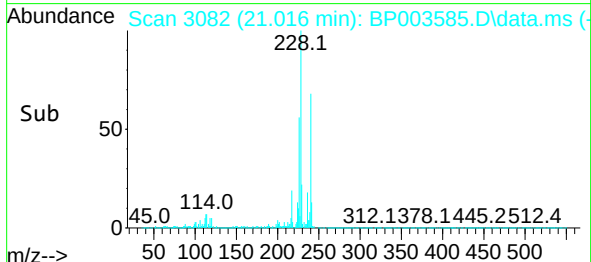
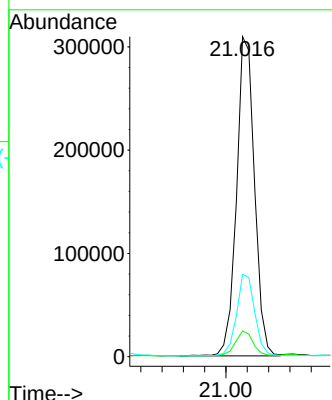
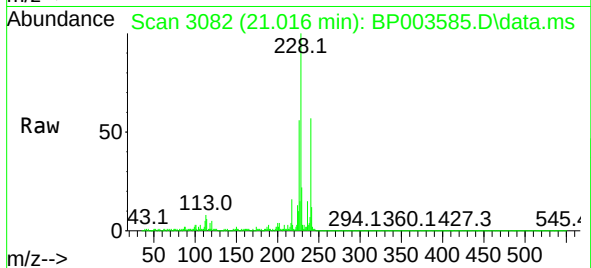
Tgt Ion:240 Resp: 361754

Ion Ratio Lower Upper

240 100

120 8.1 7.8 11.6

236 25.8 20.8 31.2



#78

Pyrene

Concen: 100.97 ng

RT: 19.292 min Scan# 2789

Delta R.T. 0.006 min

Lab File: BP003585.D

Acq: 08 Oct 2020 22:55

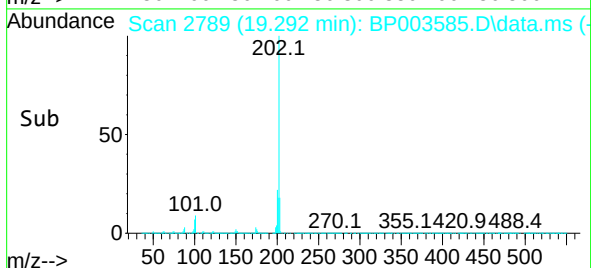
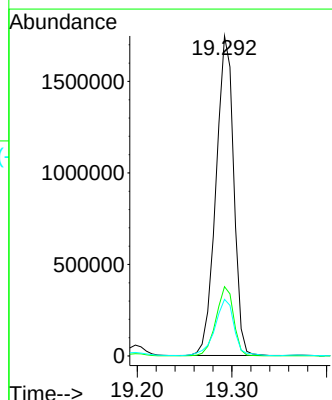
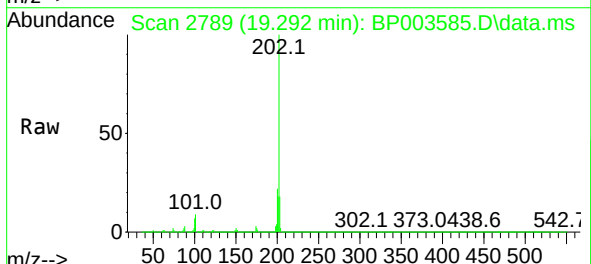
Tgt Ion:202 Resp: 2278005

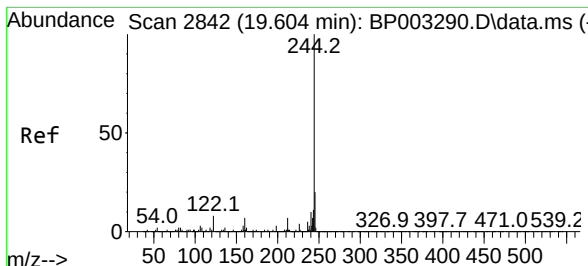
Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 7.27 ng

RT: 19.486 min Scan# 2822

Delta R.T. -0.000 min

Lab File: BP003585.D

Acq: 08 Oct 2020 22:55

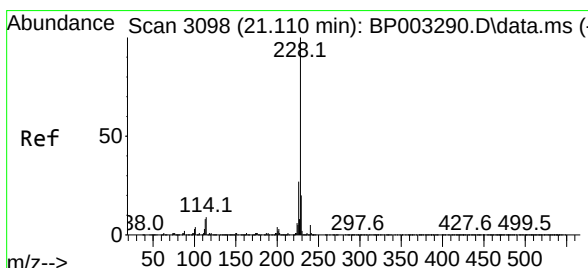
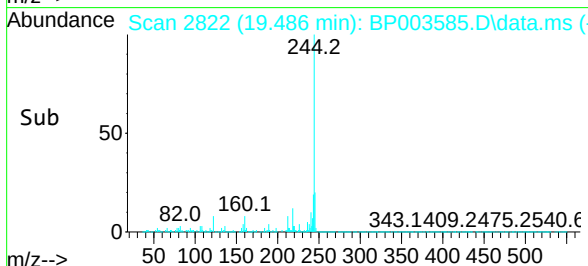
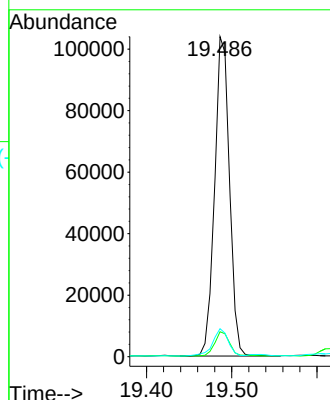
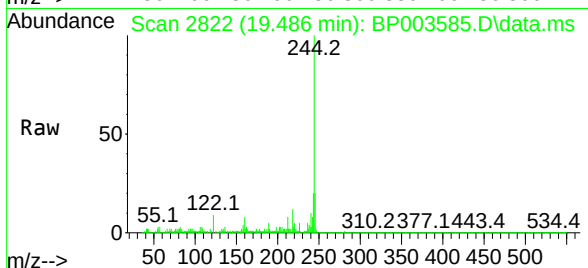
Instrument :

BNA_P

ClientSampleId :

OWLS-HEAD-BH-04-A

Tgt Ion:244	Resp:	126143
Ion Ratio	Lower	Upper
244	100	
212	7.8	5.8 8.6
122	8.8	7.8 11.8



#81

Benzo(a)anthracene

Concen: 80.00 ng

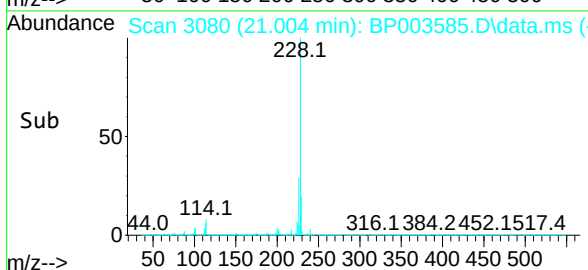
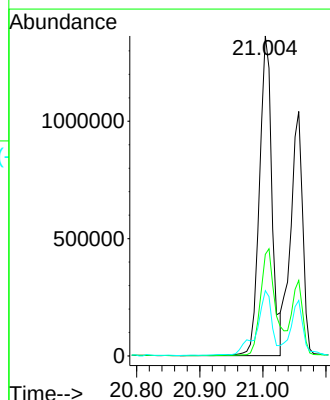
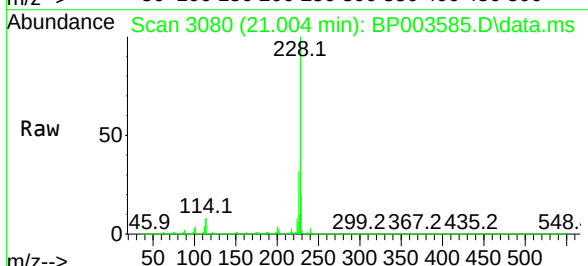
RT: 21.004 min Scan# 3080

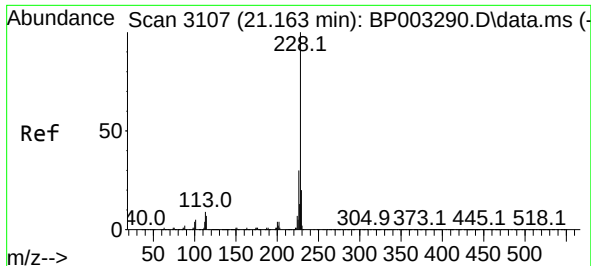
Delta R.T. 0.006 min

Lab File: BP003585.D

Acq: 08 Oct 2020 22:55

Tgt Ion:228	Resp:	1870899
Ion Ratio	Lower	Upper
228	100	
226	31.7	22.1 33.1
229	20.4	15.9 23.9

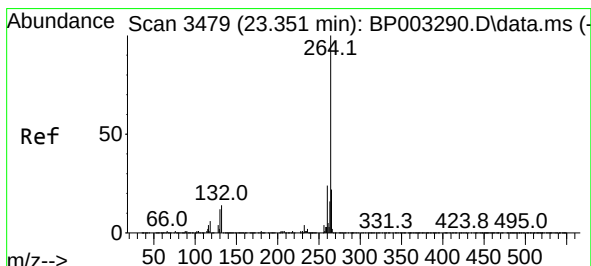
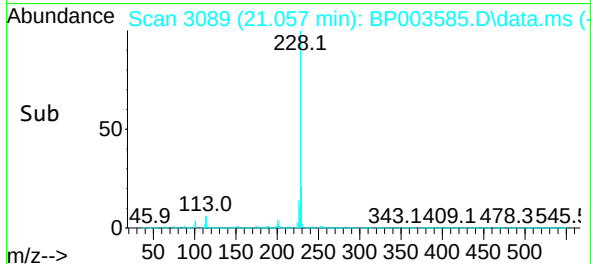
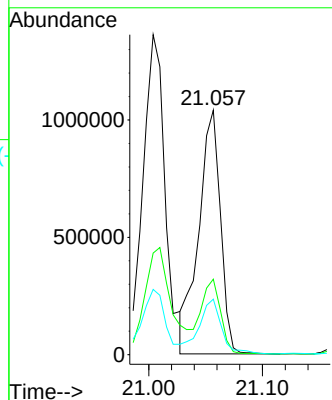
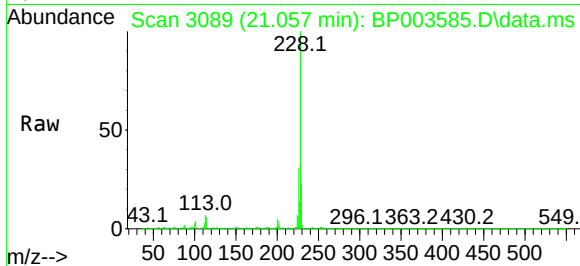




#83
Chrysene
Concen: 61.74 ng
RT: 21.057 min Scan# 3089
Delta R.T. 0.012 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

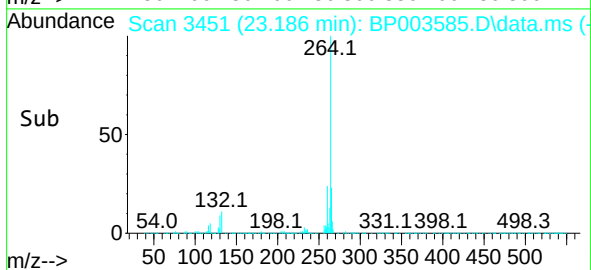
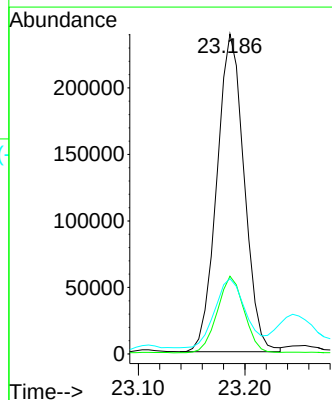
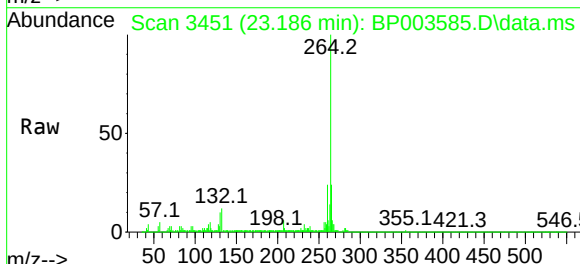
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-04-A

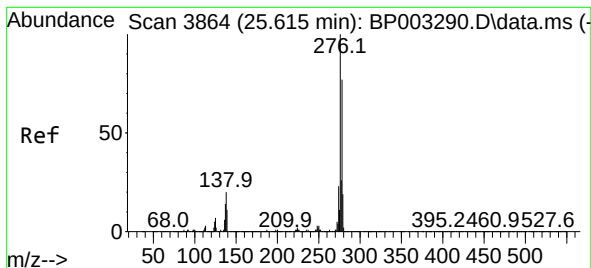
Tgt Ion:228 Resp: 1387149
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 22.7 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.186 min Scan# 3451
Delta R.T. 0.012 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion:264 Resp: 425246
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 23.6 17.4 26.2

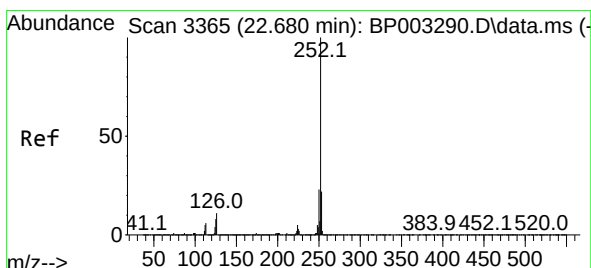
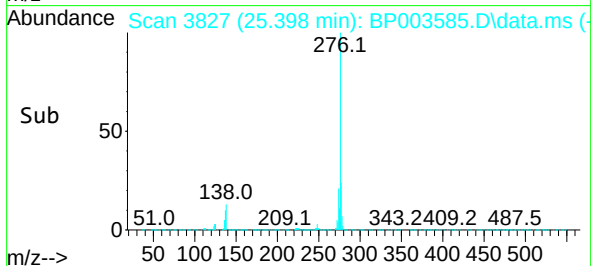
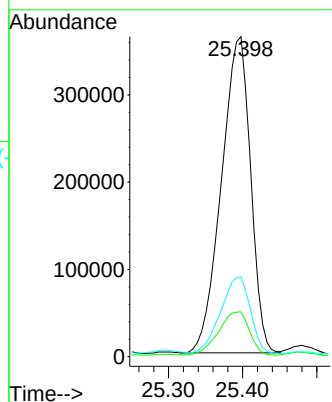
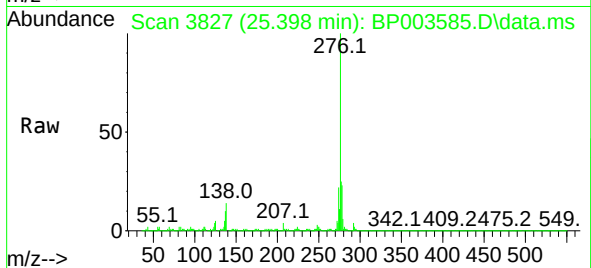




#87
Indeno(1,2,3-cd)pyrene
Concen: 30.72 ng
RT: 25.398 min Scan# 3827
Delta R.T. 0.029 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

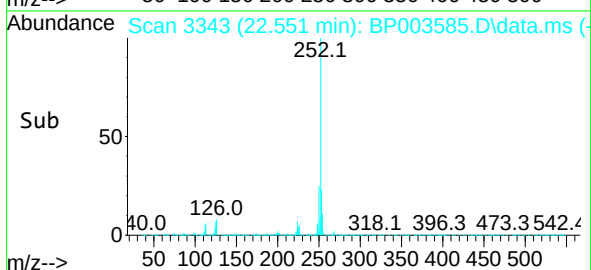
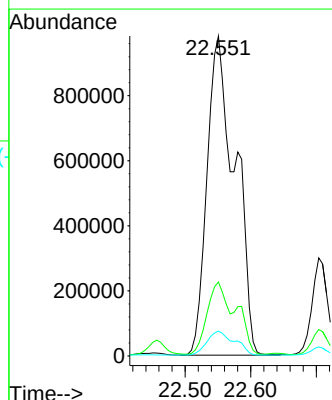
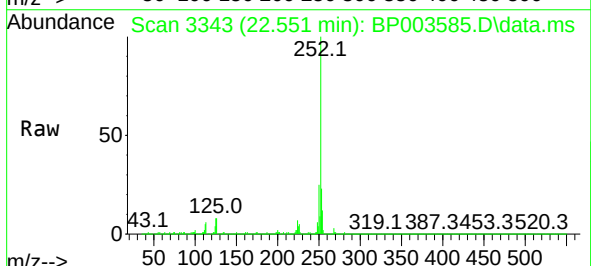
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-04-A

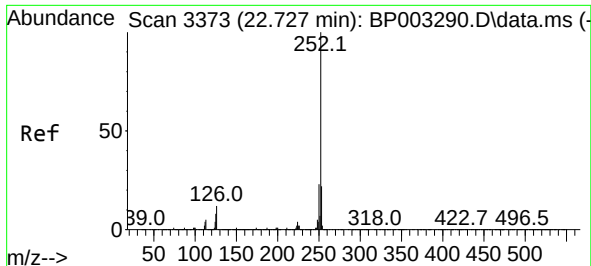
Tgt Ion:276 Resp: 990104
Ion Ratio Lower Upper
276 100
138 14.6 18.7 28.1#
277 24.7 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 108.70 ng
RT: 22.551 min Scan# 3343
Delta R.T. 0.024 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion:252 Resp: 2918895
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 7.7 7.3 10.9

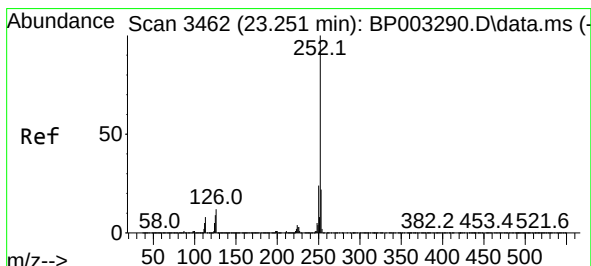
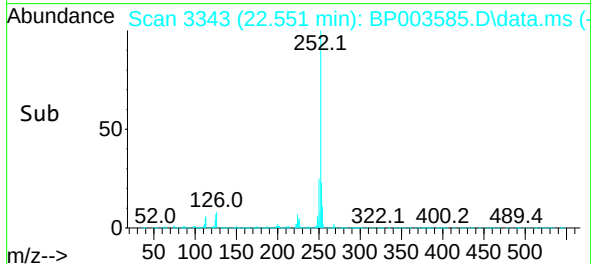
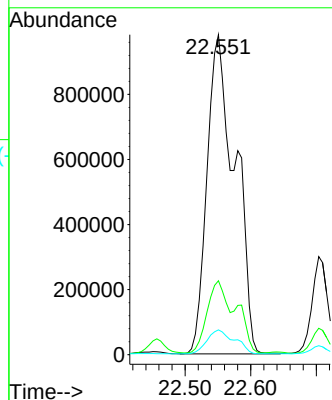
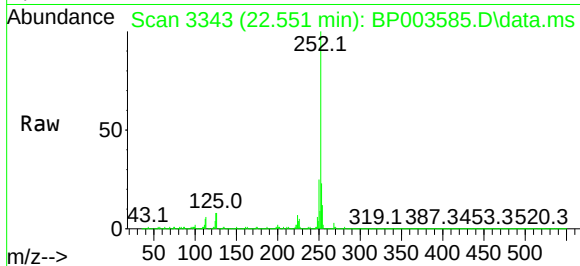




#89
Benzo(k)fluoranthene
Concen: 113.41 ng
RT: 22.551 min Scan# 3343
Delta R.T. -0.018 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

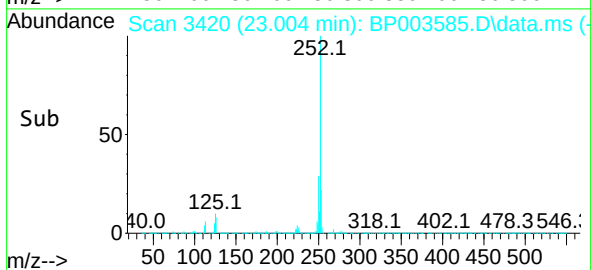
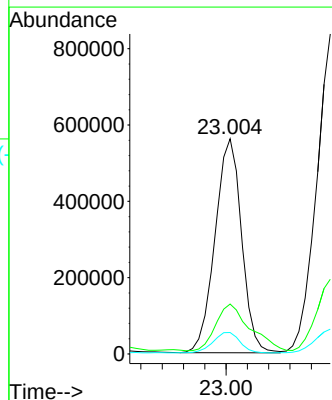
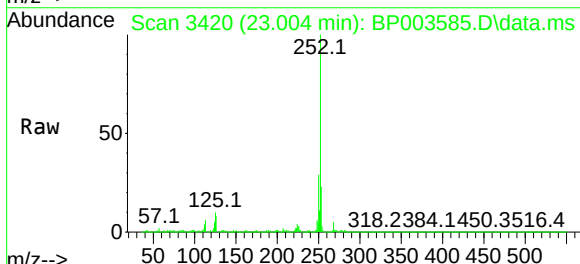
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-04-A

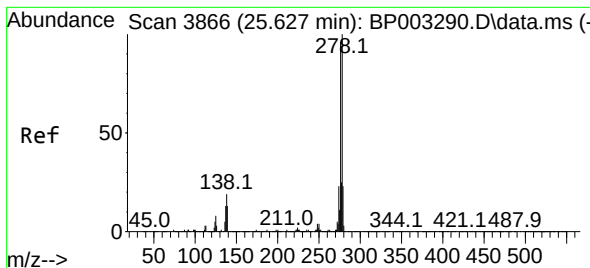
Tgt Ion:252 Resp: 2918895
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 7.7 7.4 11.2



#90
Benzo(a)pyrene
Concen: 38.26 ng
RT: 23.004 min Scan# 3420
Delta R.T. -0.076 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion:252 Resp: 968772
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 10.0 8.2 12.4

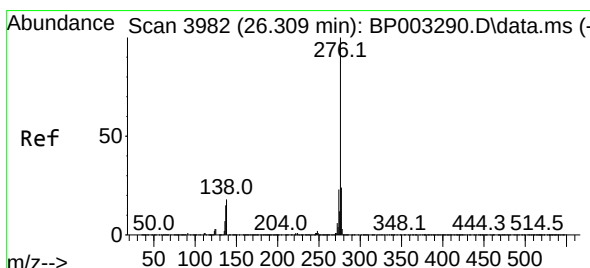
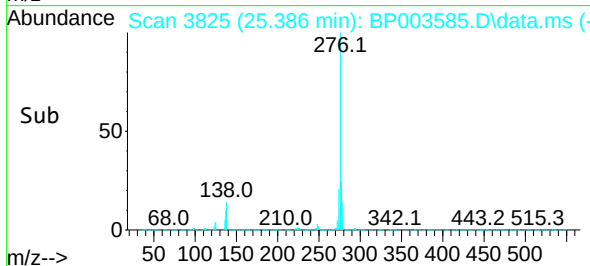
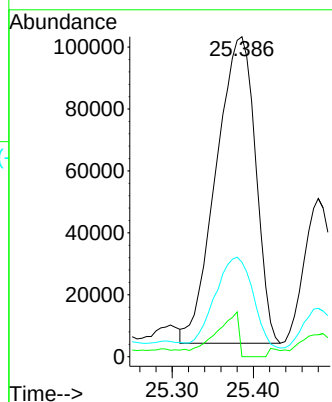
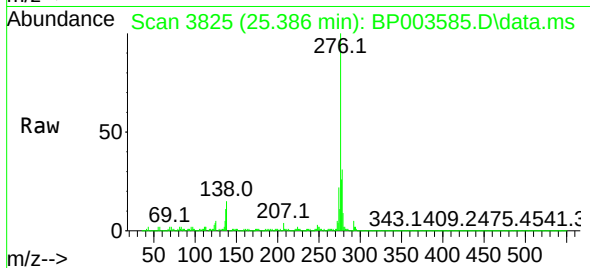




#91
Dibenzo(a,h)anthracene
Concen: 12.55 ng
RT: 25.386 min Scan# 3825
Delta R.T. 0.018 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-04-A

Tgt Ion:278 Resp: 333849
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 29.5 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 32.33 ng
RT: 26.068 min Scan# 3941
Delta R.T. 0.035 min
Lab File: BP003585.D
Acq: 08 Oct 2020 22:55

Tgt Ion:276 Resp: 858460
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 14.7 16.6 24.8#

