

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121321\
 Data File : BP008386.D
 Acq On : 13 Dec 2021 20:41
 Operator : CG/JU
 Sample : M5051-01DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P-1DL

Quant Time: Dec 14 02:21:08 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 03:53:01 2021
 Response via : Initial Calibration

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

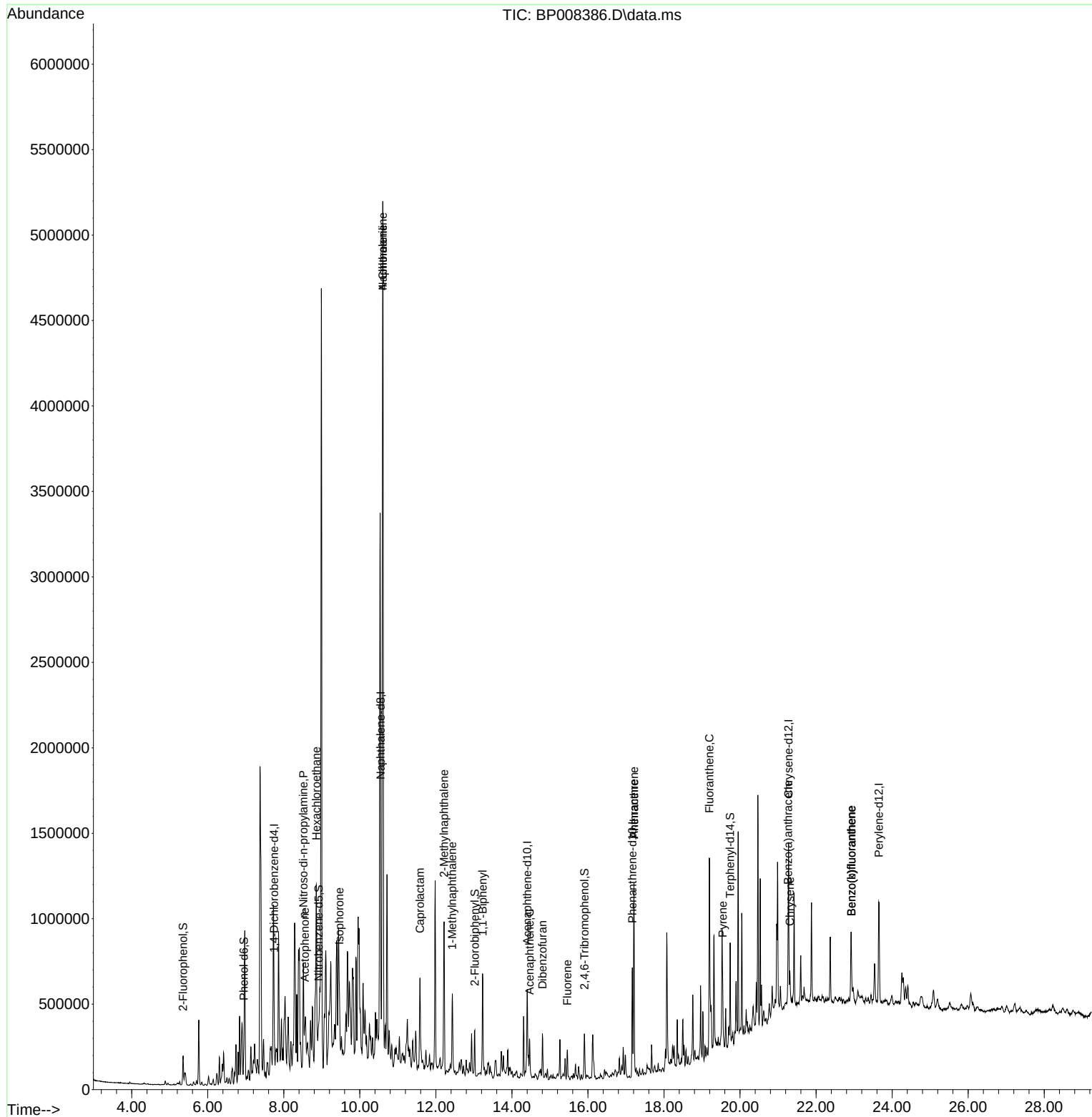
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	69220	20.000	ng	-0.02
21) Naphthalene-d8	10.546	136	258184	20.000	ng	#-0.01
39) Acenaphthene-d10	14.404	164	170566	20.000	ng	-0.01
64) Phenanthrene-d10	17.169	188	375073	20.000	ng	-0.01
76) Chrysene-d12	21.274	240	423548	20.000	ng	-0.01
86) Perylene-d12	23.651	264	460792	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	72936	16.965	ng	0.00
7) Phenol-d6	6.952	99	93234	16.065	ng	0.00
23) Nitrobenzene-d5	8.916	82	84706	14.919	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	39155	17.960	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	137223	11.686	ng	-0.01
79) Terphenyl-d14	19.739	244	249078	12.290	ng	-0.02
Target Compounds						Qvalue
18) Hexachloroethane	8.857	117	56014	29.250	ng	# 1
19) n-Nitroso-di-n-propyla...	8.516	70	23289	5.799	ng	# 59
22) Acetophenone	8.552	105	118091	16.722	ng	# 59
25) Isophorone	9.463	82	37763	3.802	ng	# 1
31) Naphthalene	10.604	128	3948852	298.568	ng	99
33) 4-Chloroaniline	10.604	127	542101	98.799	ng	# 32
35) Caprolactam	11.581	113	19579	20.772	ng	# 35
37) 2-Methylnaphthalene	12.216	142	384737	41.129	ng	98
38) 1-Methylnaphthalene	12.434	142	198456	21.796	ng	99
46) 1,1'-Biphenyl	13.234	154	25515	2.062	ng	99
52) Acenaphthene	14.463	154	74225	8.261	ng	98
55) Dibenzofuran	14.804	168	135731	8.840	ng	99
58) Fluorene	15.457	166	66174	5.305	ng	99
71) Phenanthrene	17.210	178	669348	33.800	ng	100
72) Anthracene	17.210	178	669348	34.059	ng	100
75) Fluoranthene	19.192	202	314587	11.792	ng	99
78) Pyrene	19.545	202	222111	6.089	ng	99
81) Benzo(a)anthracene	21.263	228	69872	2.489	ng	97
83) Chrysene	21.310	228	87052	3.259	ng	96
88) Benzo(b)fluoranthene	22.933	252	88326	3.180	ng	# 88
89) Benzo(k)fluoranthene	22.933	252	88326	3.248	ng	# 87

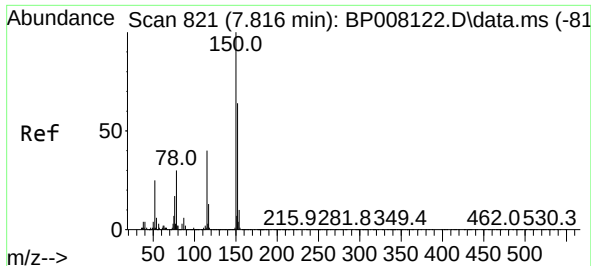
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 03:53:01 2021
Response via : Initial Calibration

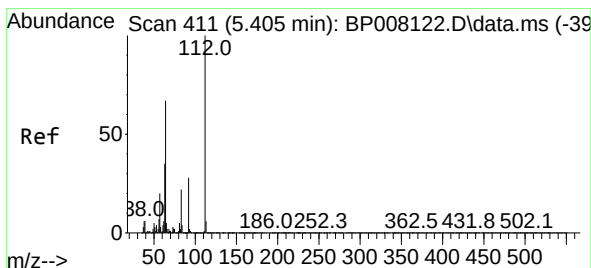
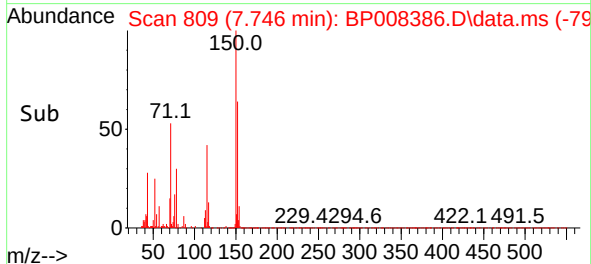
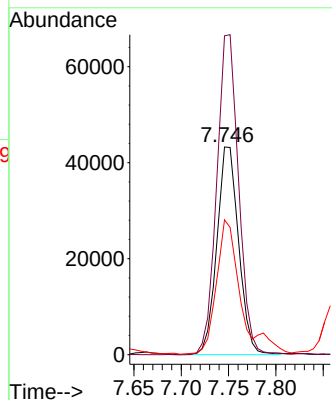
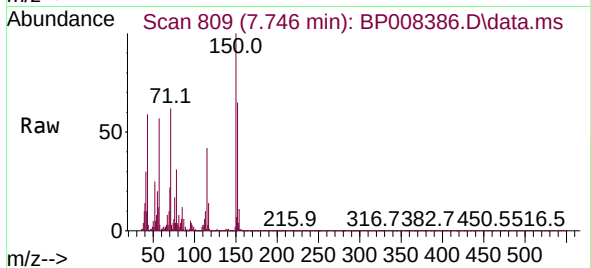




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 80
Delta R.T. -0.017 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

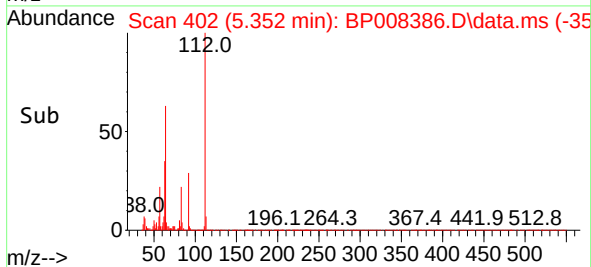
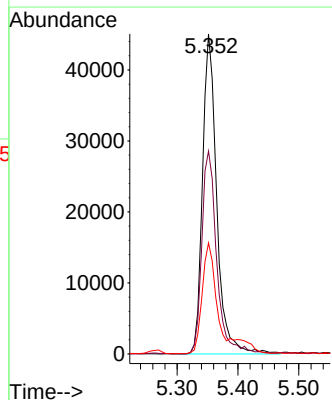
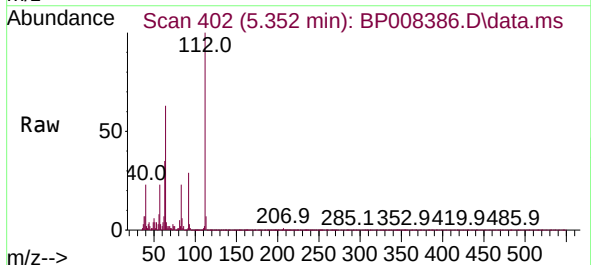
Instrument :
BNA_P
ClientSampleId :
P-1DL

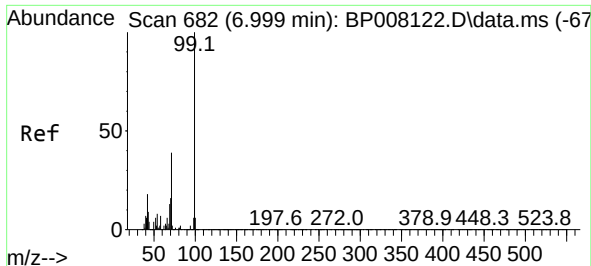
Tgt Ion:152 Resp: 69220
Ion Ratio Lower Upper
152 100
150 153.6 125.7 188.5
115 65.0 50.7 76.1



#5
2-Fluorophenol
Concen: 16.965 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:112 Resp: 72936
Ion Ratio Lower Upper
112 100
64 63.4 53.4 80.2
63 34.7 27.8 41.8

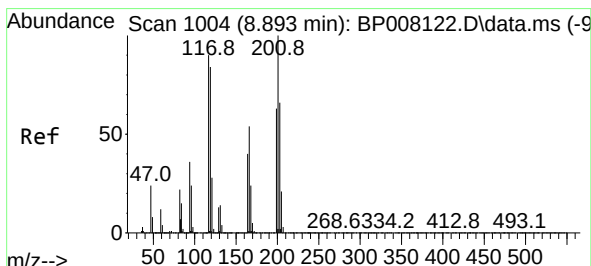
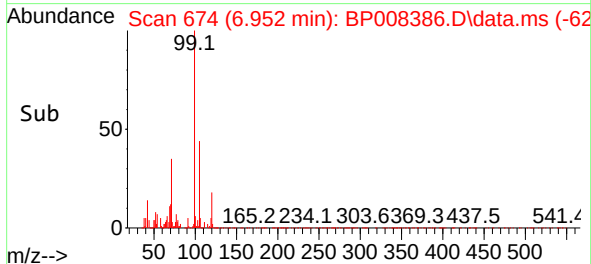
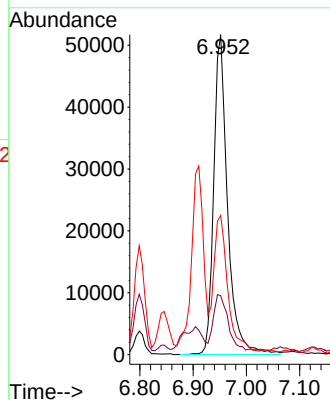
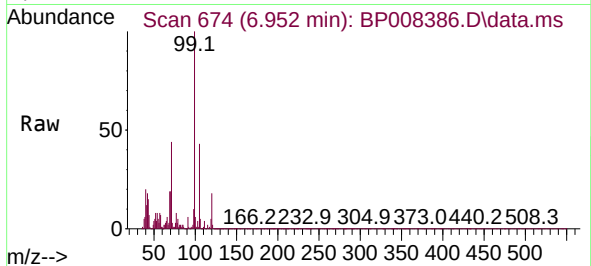




#7
Phenol-d6
Concen: 16.065 ng
RT: 6.952 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

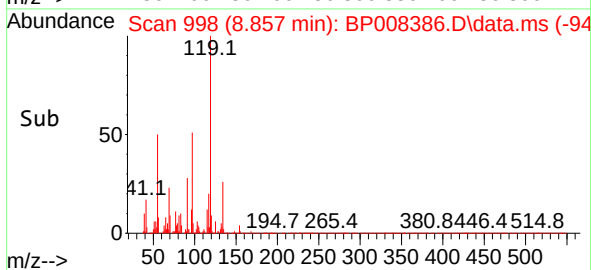
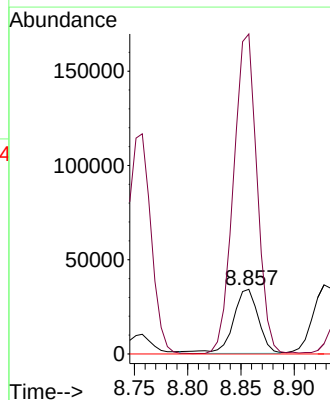
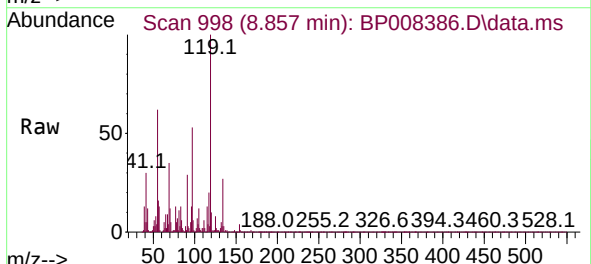
Instrument :
BNA_P
ClientSampleId :
P-1DL

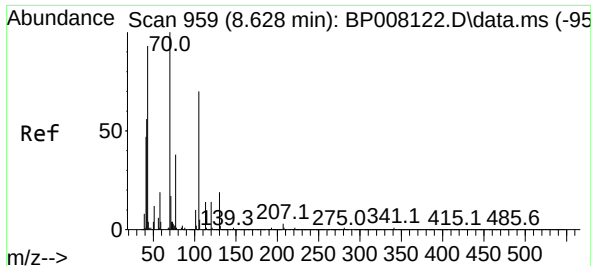
Tgt Ion: 99 Resp: 93234
Ion Ratio Lower Upper
99 100
42 18.5 14.6 22.0
71 43.5 31.1 46.7



#18
Hexachloroethane
Concen: 29.250 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.024 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion: 117 Resp: 56014
Ion Ratio Lower Upper
117 100
119 495.0 74.7 112.1#
201 0.0 88.6 132.8#

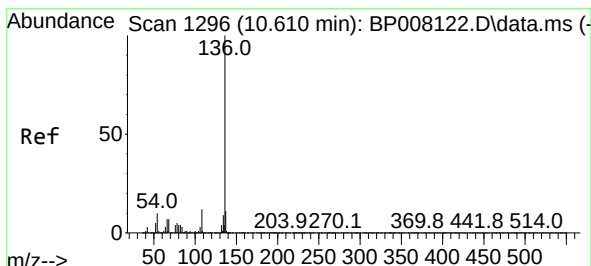
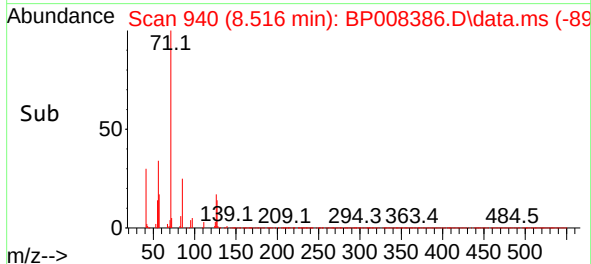
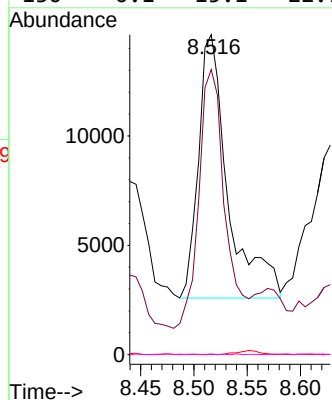
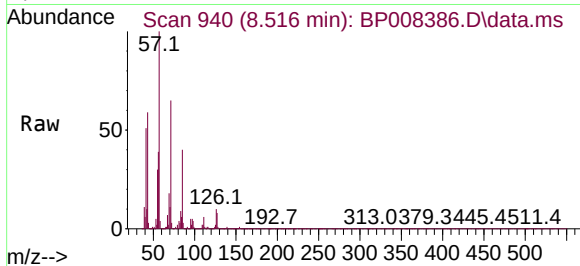




#19
n-Nitroso-di-n-propylamine
Concen: 5.799 ng
RT: 8.516 min Scan# 94
Delta R.T. -0.059 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

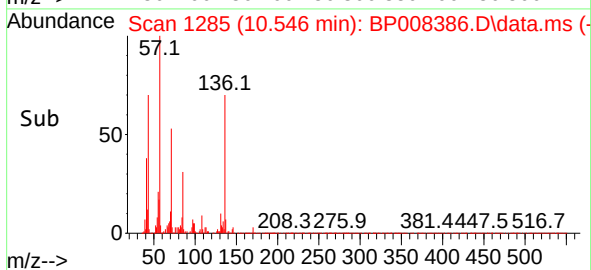
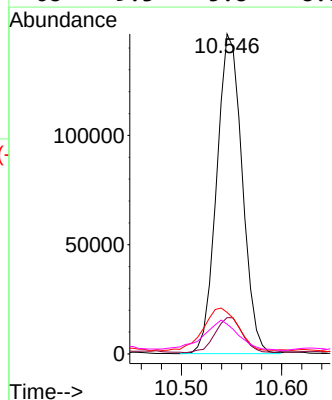
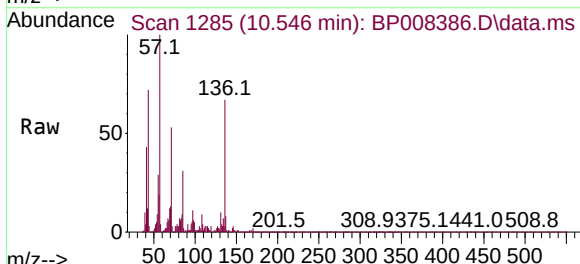
Instrument :
BNA_P
ClientSampleId :
P-1DL

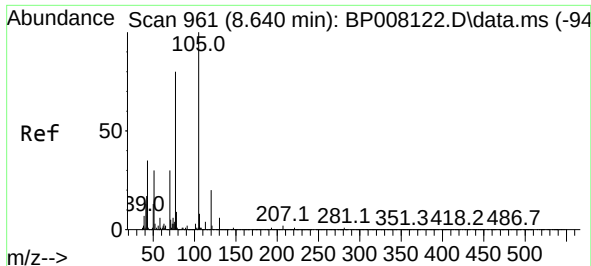
Tgt Ion: 70 Resp: 23289
Ion Ratio Lower Upper
70 100
42 89.1 45.4 68.2#
101 0.2 7.6 11.4#
130 0.1 15.1 22.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:136 Resp: 258184
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 13.0 8.2 12.4#
68 9.3 5.8 8.8#

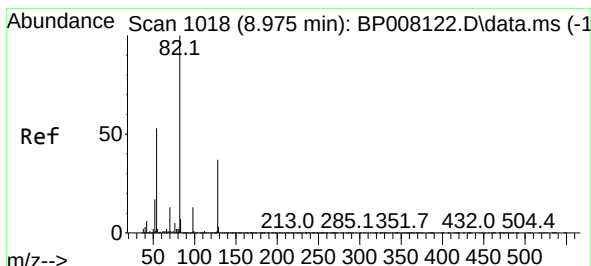
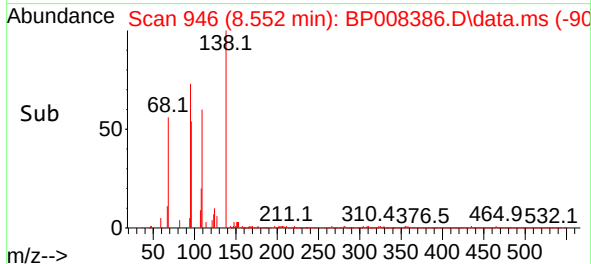
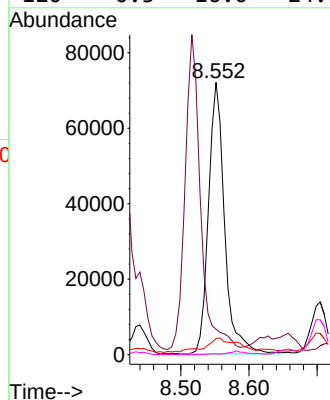
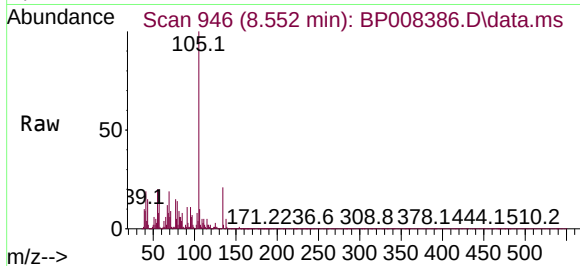




#22
Acetophenone
Concen: 16.722 ng
RT: 8.552 min Scan# 94
Delta R.T. -0.041 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

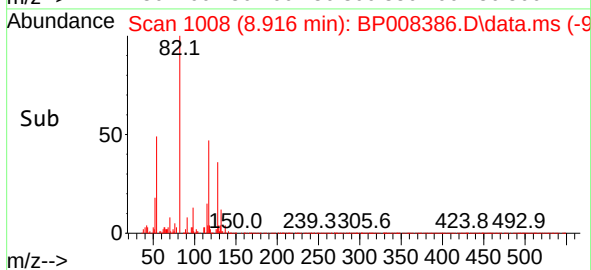
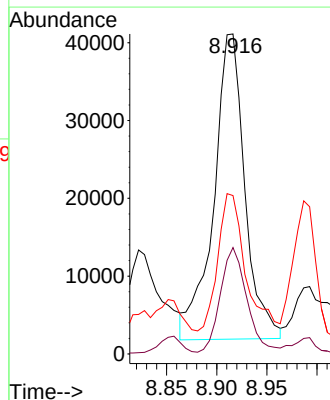
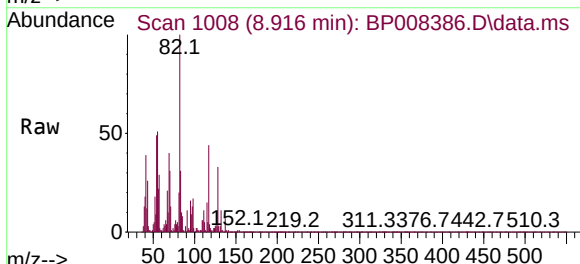
Instrument :
BNA_P
ClientSampleId :
P-1DL

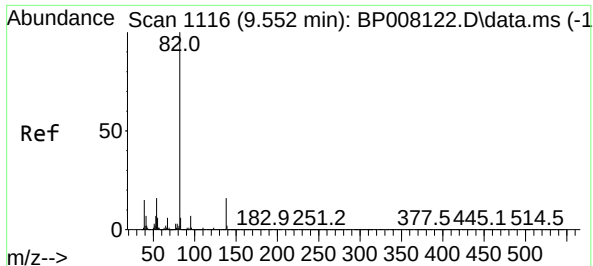
Tgt Ion:105 Resp: 118091
Ion Ratio Lower Upper
105 100
71 9.3 4.0 6.0#
51 5.9 23.8 35.6#
120 0.3 16.0 24.0#



#23
Nitrobenzene-d5
Concen: 14.919 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion: 82 Resp: 84706
Ion Ratio Lower Upper
82 100
128 33.2 29.6 44.4
54 49.5 42.7 64.1

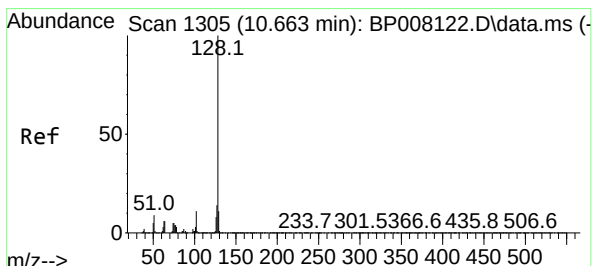
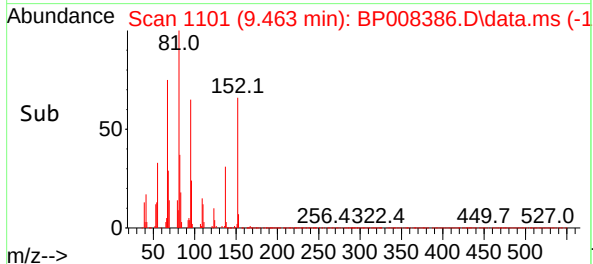
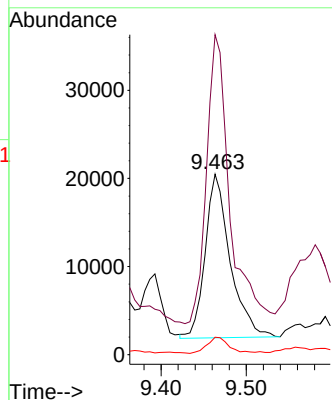
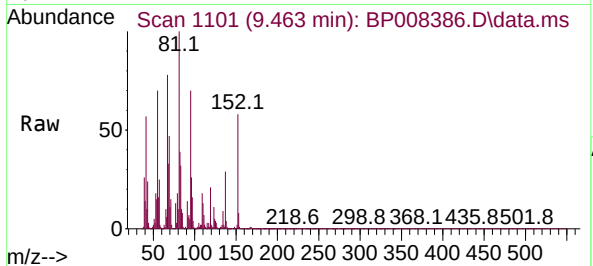




#25
Isophorone
Concen: 3.802 ng
RT: 9.463 min Scan# 1116
Delta R.T. -0.035 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

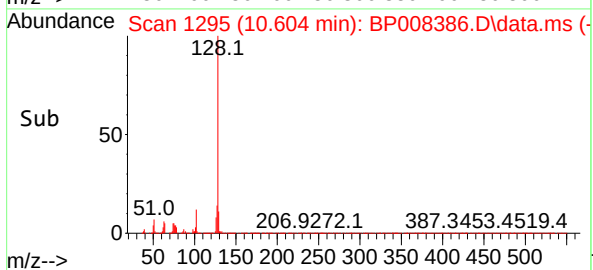
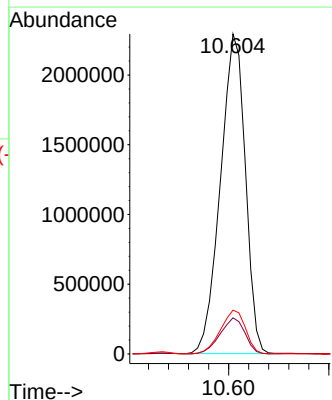
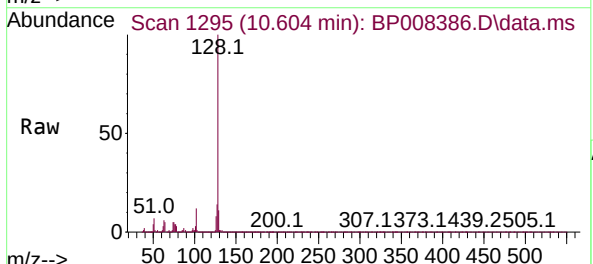
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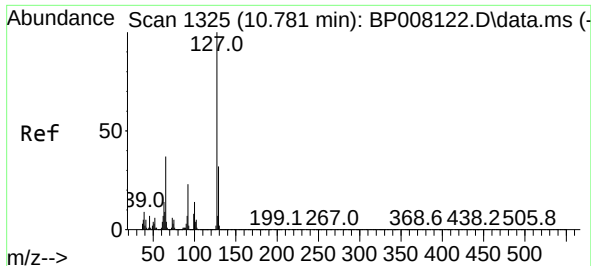
Tgt Ion: 82 Resp: 37763
Ion Ratio Lower Upper
82 100
95 177.3 5.9 8.9#
138 9.7 12.7 19.1#



#31
Naphthalene
Concen: 298.568 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion: 128 Resp: 3948852
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 13.7 10.9 16.3

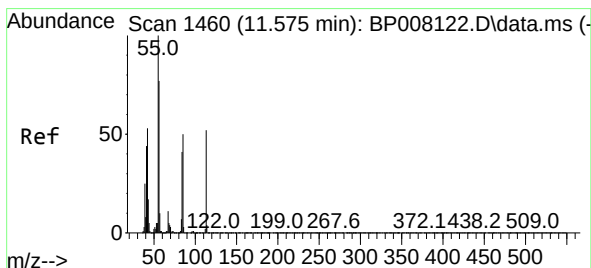
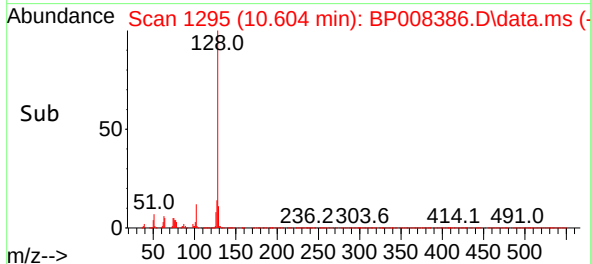
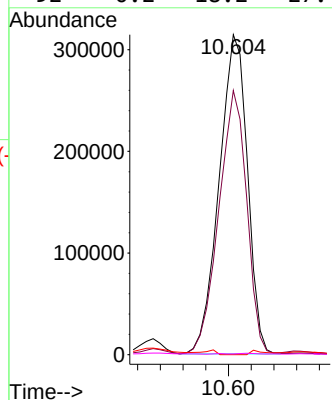
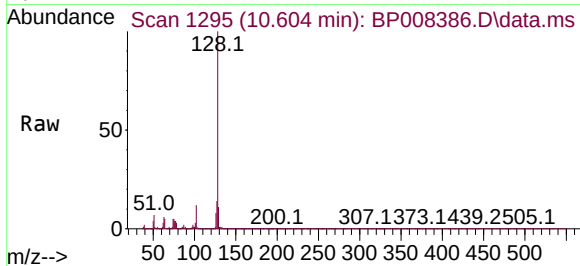




#33
4-Chloroaniline
Concen: 98.799 ng
RT: 10.604 min Scan# 11
Delta R.T. -0.129 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

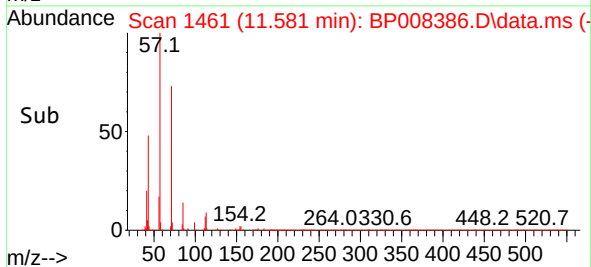
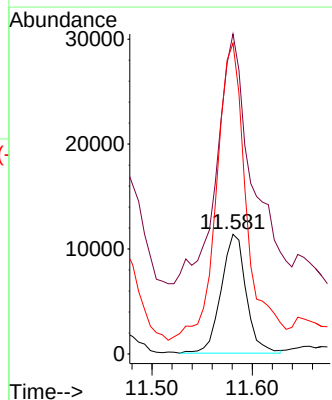
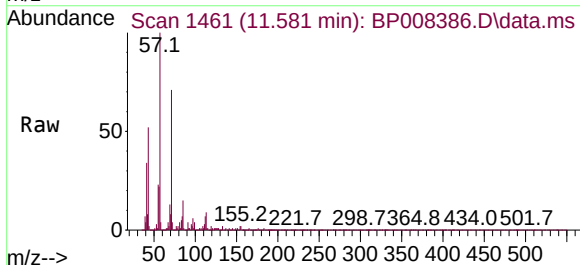
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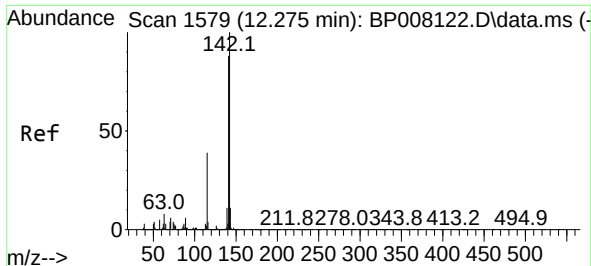
Tgt Ion:127	Resp: 542101
Ion Ratio	Lower Upper
127 100	
129 82.5	25.4 38.2#
65 0.0	29.5 44.3#
92 0.2	18.2 27.4#



#35
Caprolactam
Concen: 20.772 ng
RT: 11.581 min Scan# 1461
Delta R.T. 0.041 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:113	Resp: 19579
Ion Ratio	Lower Upper
113 100	
55 267.4	174.2 214.2#
56 259.6	130.3 170.3#

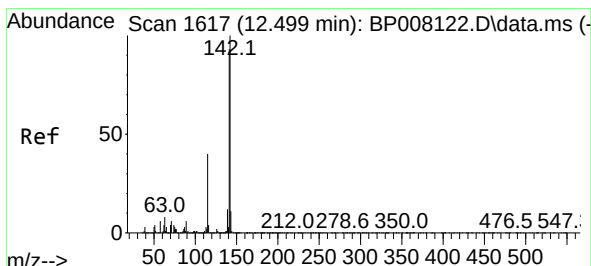
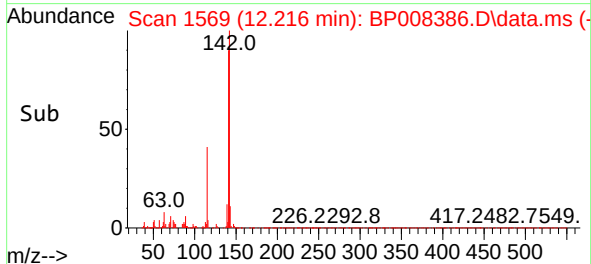
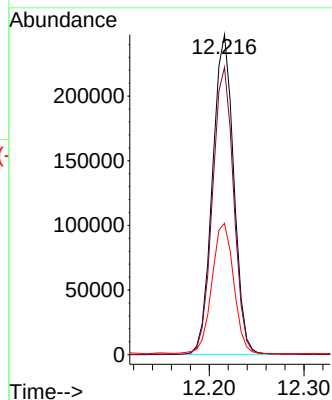
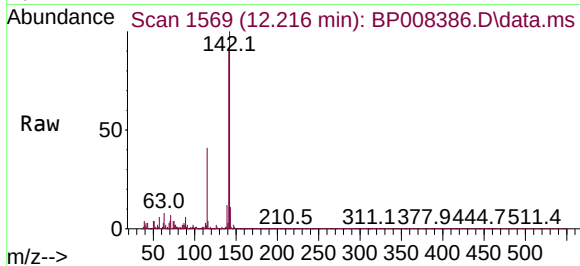




#37
2-Methylnaphthalene
Concen: 41.129 ng
RT: 12.216 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

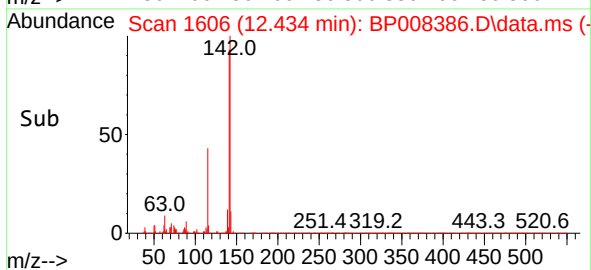
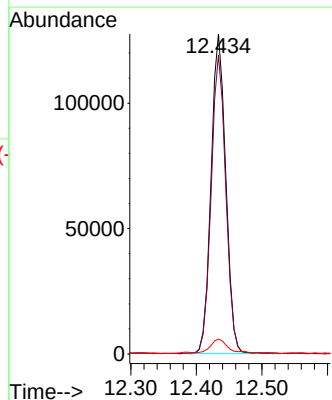
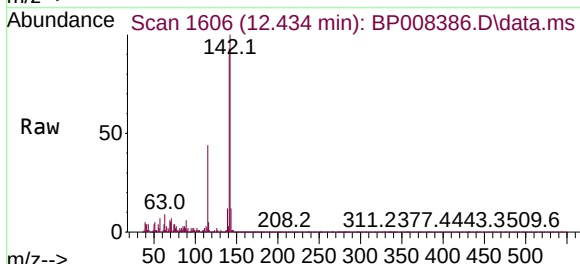
Instrument :
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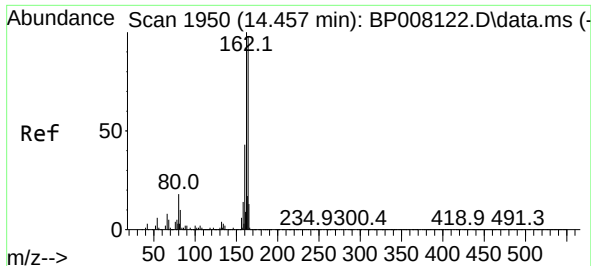
Tgt Ion:142 Resp: 384737
Ion Ratio Lower Upper
142 100
141 89.8 70.7 106.1
115 41.0 30.9 46.3



#38
1-Methylnaphthalene
Concen: 21.796 ng
RT: 12.434 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:142 Resp: 198456
Ion Ratio Lower Upper
142 100
141 93.3 74.2 111.4
116 4.7 3.4 5.2

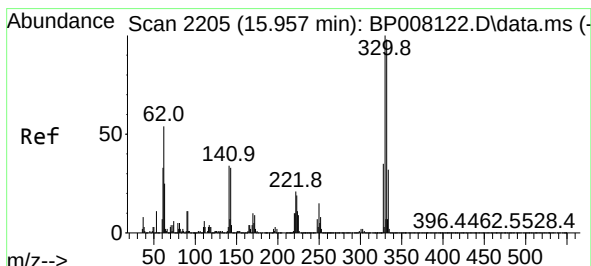
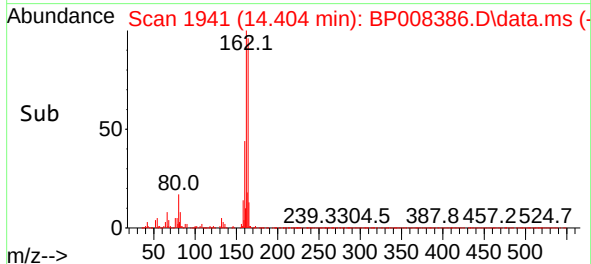
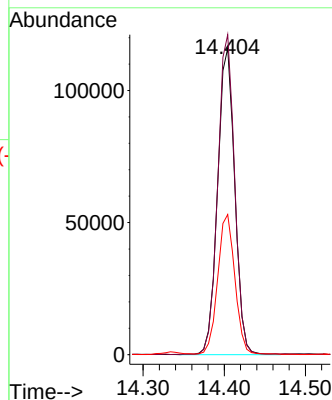
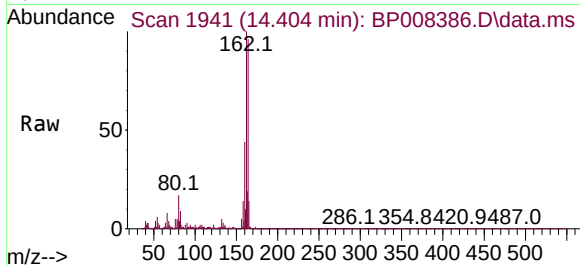




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

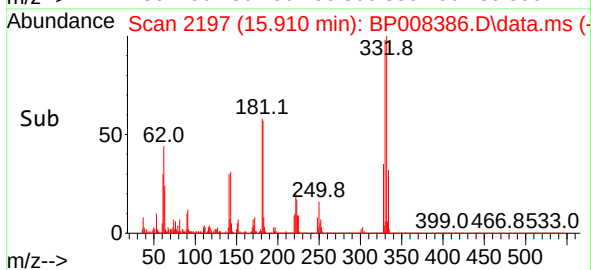
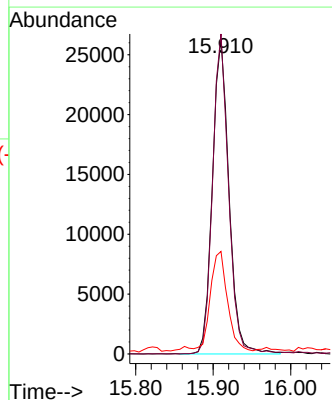
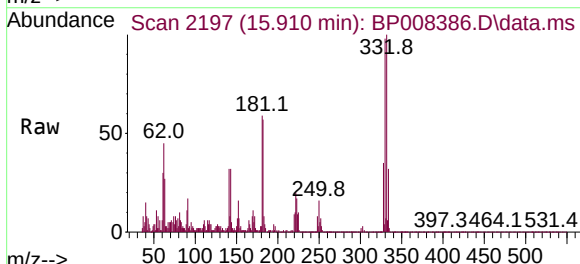
Instrument :
BNA_P
ClientSampleId :
P-1DL

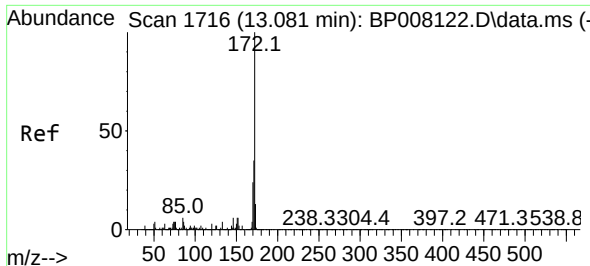
Tgt Ion:164 Resp: 170566
Ion Ratio Lower Upper
164 100
162 104.4 81.9 122.9
160 45.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 17.960 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:330 Resp: 39155
Ion Ratio Lower Upper
330 100
332 98.3 77.0 115.4
141 32.2 28.4 42.6

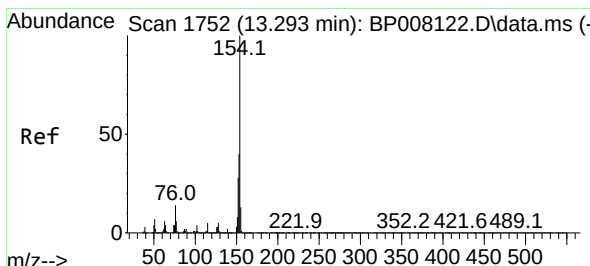
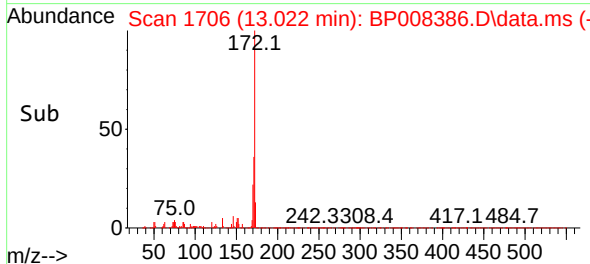
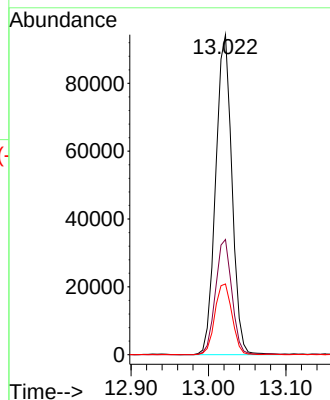
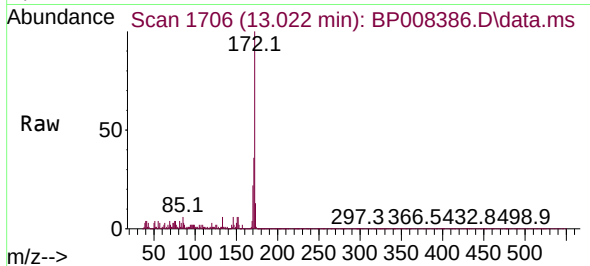




#45
2-Fluorobiphenyl
Concen: 11.686 ng
RT: 13.022 min Scan# 1706
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

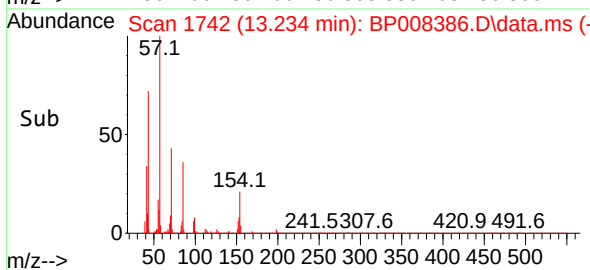
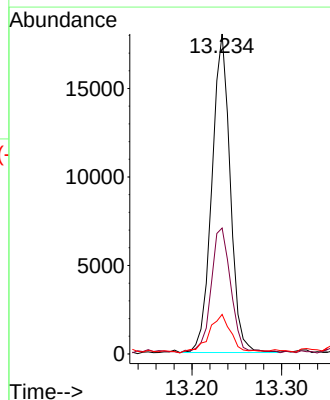
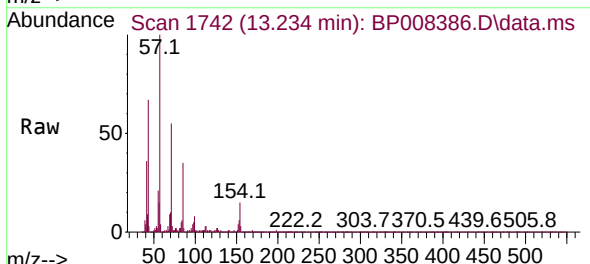
Instrument :
BNA_P
ClientSampleId :
P-1DL

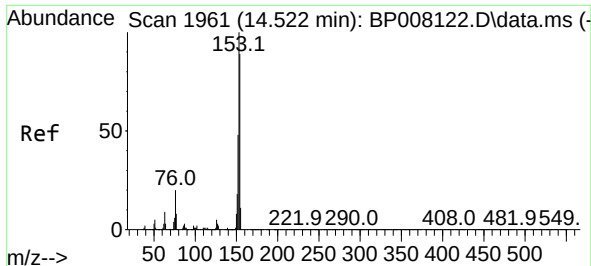
Tgt Ion:172 Resp: 137223
Ion Ratio Lower Upper
172 100
171 36.0 28.0 42.0
170 22.1 18.9 28.3



#46
1,1'-Biphenyl
Concen: 2.062 ng
RT: 13.234 min Scan# 1742
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:154 Resp: 25515
Ion Ratio Lower Upper
154 100
153 39.4 19.7 59.7
76 12.3 0.0 33.7

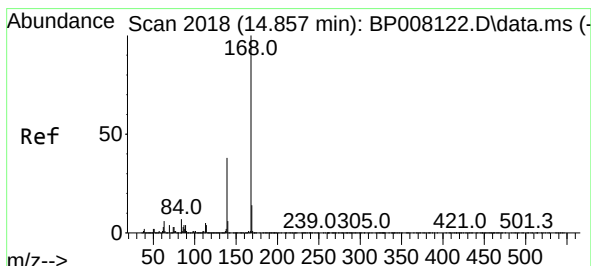
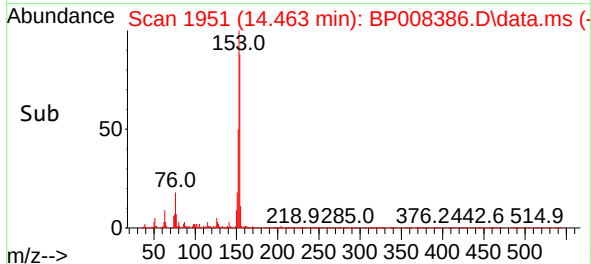
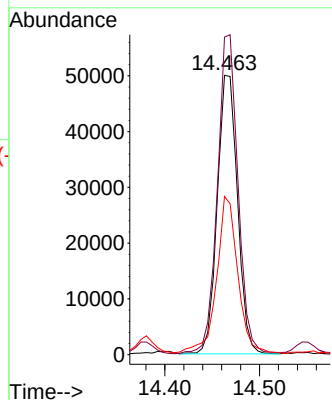
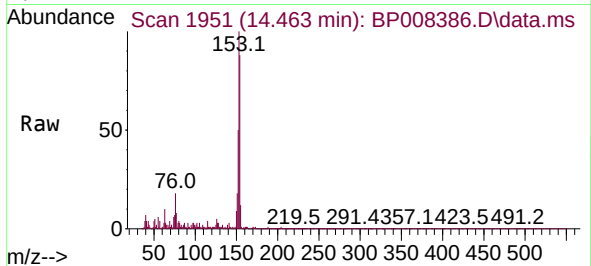




#52
Acenaphthene
Concen: 8.261 ng
RT: 14.463 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

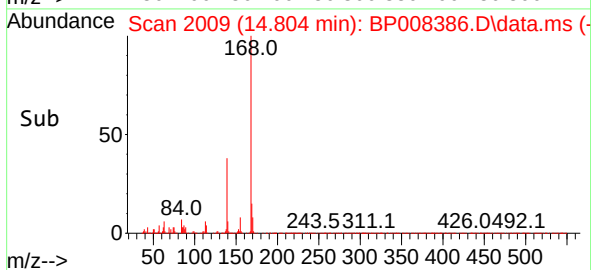
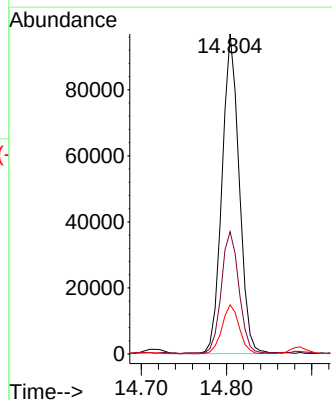
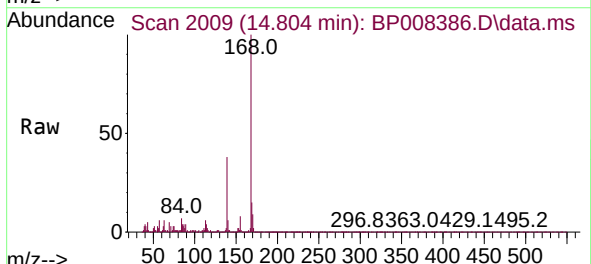
Instrument :
BNA_P
ClientSampleId :
P-1DL

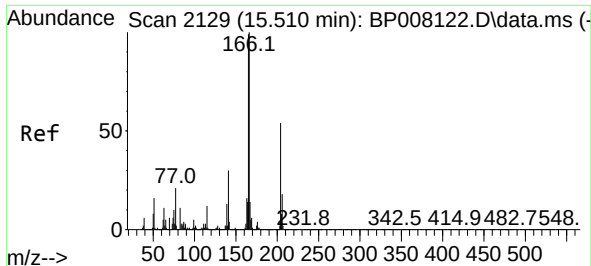
Tgt Ion:154 Resp: 74225
Ion Ratio Lower Upper
154 100
153 113.7 90.3 135.5
152 56.6 43.3 64.9



#55
Dibenzofuran
Concen: 8.840 ng
RT: 14.804 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:168 Resp: 135731
Ion Ratio Lower Upper
168 100
139 38.2 30.6 46.0
169 15.3 11.0 16.4

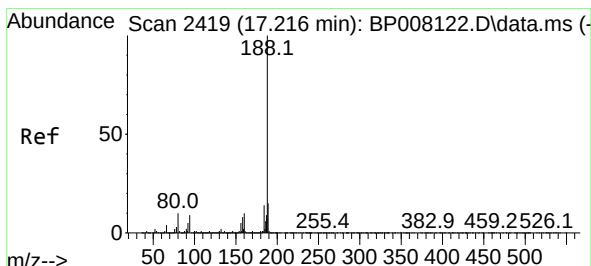
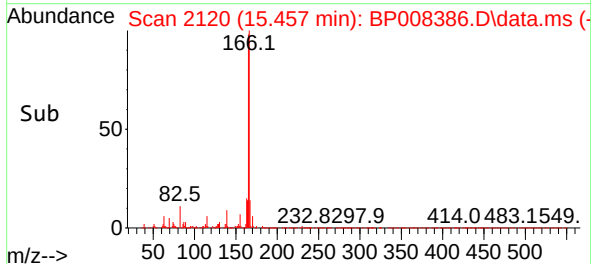
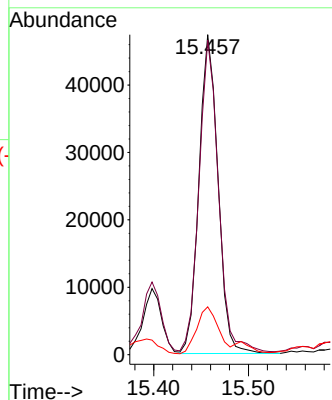
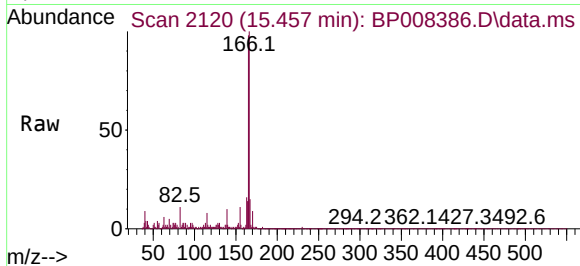




#58
Fluorene
Concen: 5.305 ng
RT: 15.457 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

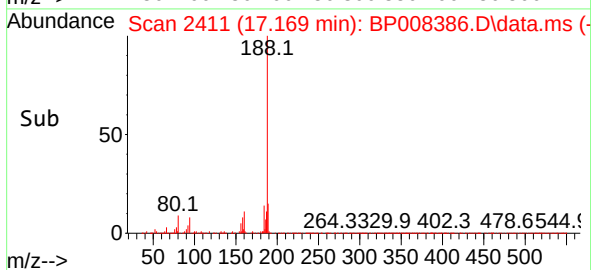
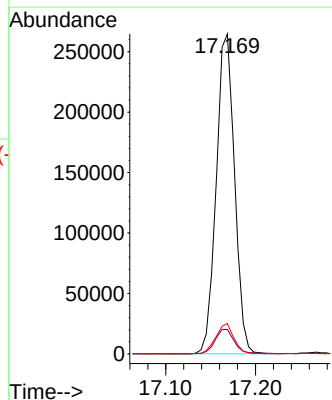
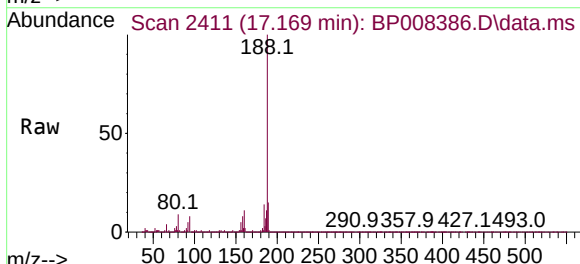
Instrument :
BNA_P
ClientSampleId :
P-1DL

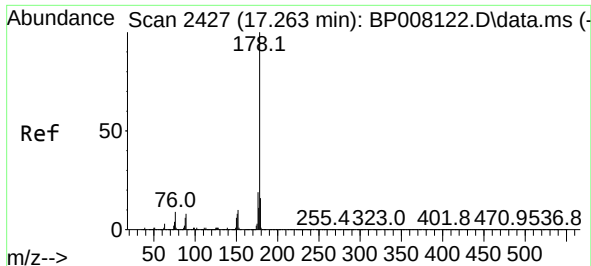
Tgt Ion:166 Resp: 66174
Ion Ratio Lower Upper
166 100
165 98.2 79.4 119.2
167 15.0 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2411
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:188 Resp: 375073
Ion Ratio Lower Upper
188 100
94 7.6 7.2 10.8
80 9.5 8.2 12.4

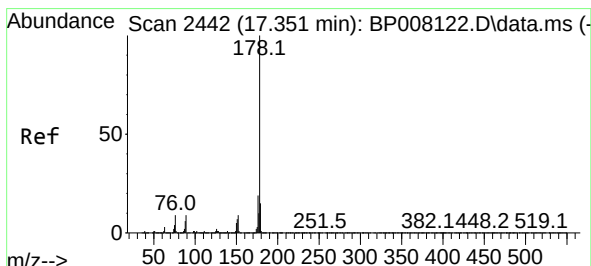
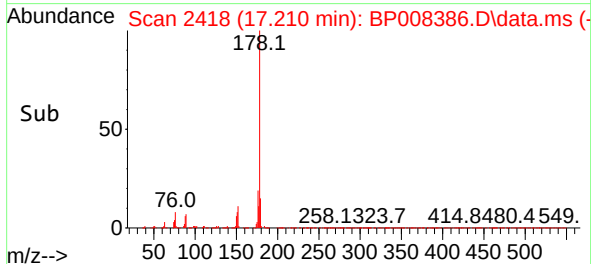
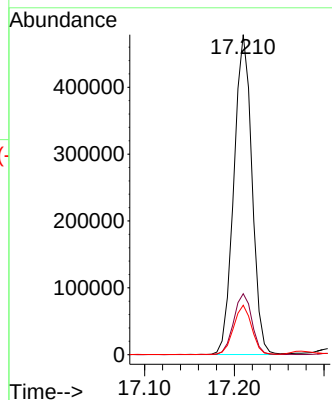
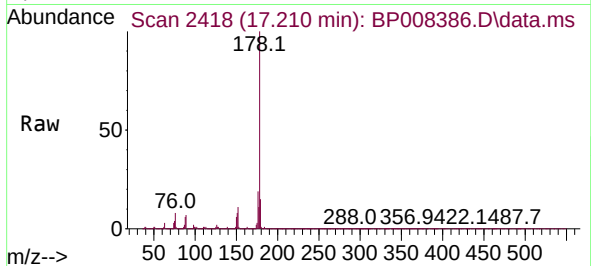




#71
Phenanthrene
Concen: 33.800 ng
RT: 17.210 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

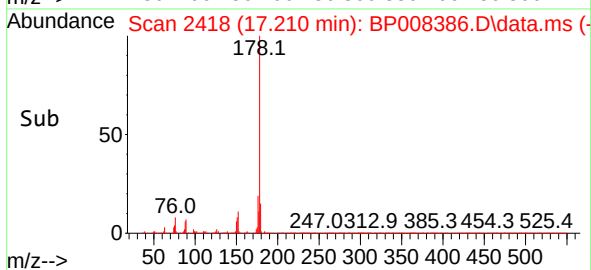
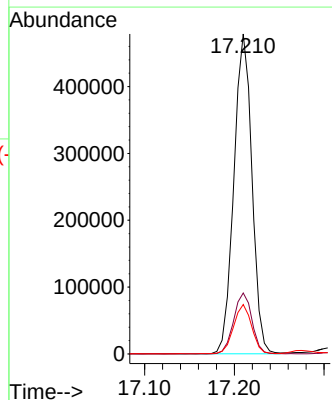
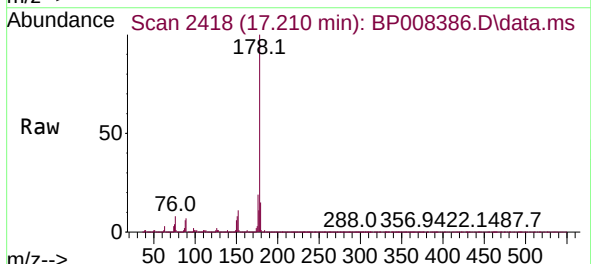
Instrument :
BNA_P
ClientSampleId :
P-1DL

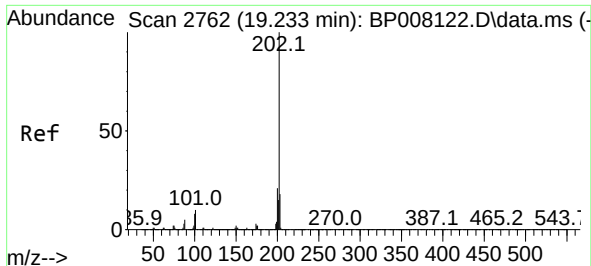
Tgt Ion:178 Resp: 669348
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7



#72
Anthracene
Concen: 34.059 ng
RT: 17.210 min Scan# 2418
Delta R.T. -0.106 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:178 Resp: 669348
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.5 12.3 18.5

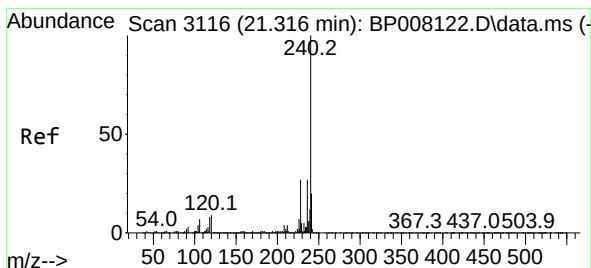
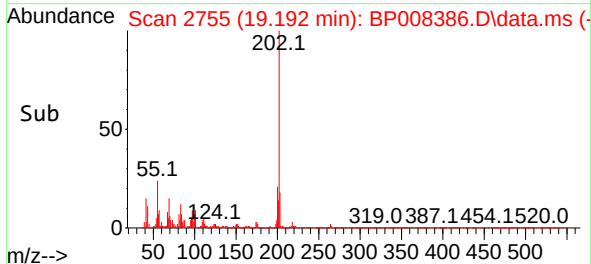
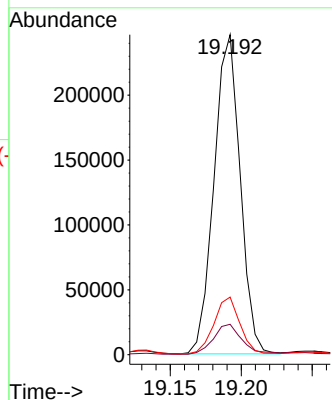
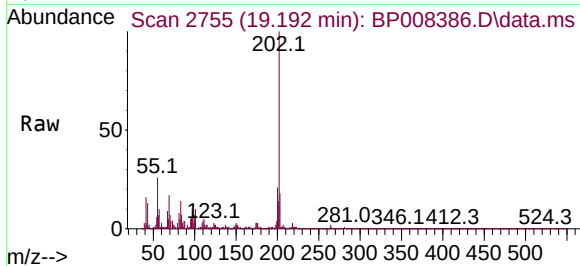




#75
Fluoranthene
Concen: 11.792 ng
RT: 19.192 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

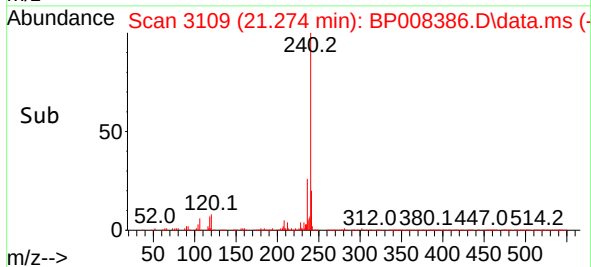
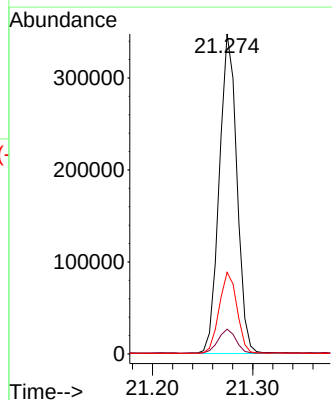
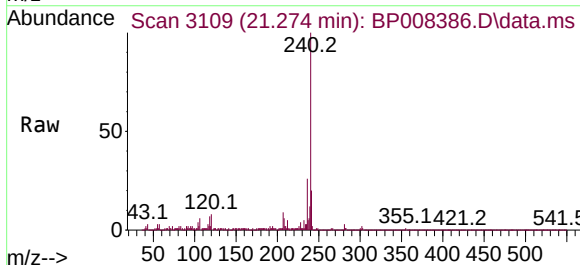
Instrument :
BNA_P
ClientSampleId :
P-1DL

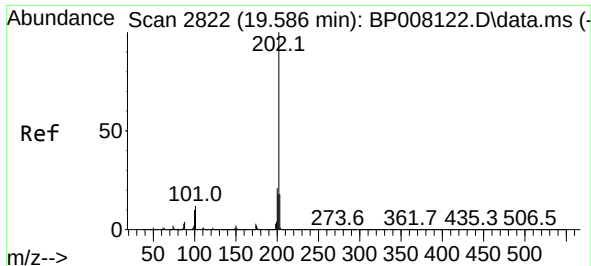
Tgt Ion:202 Resp: 314587
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.8
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.274 min Scan# 3109
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:240 Resp: 423548
Ion Ratio Lower Upper
240 100
120 7.8 7.3 10.9
236 25.5 21.4 32.2

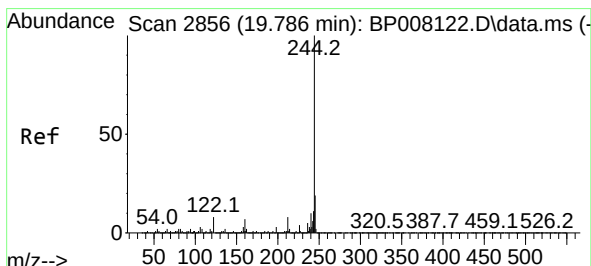
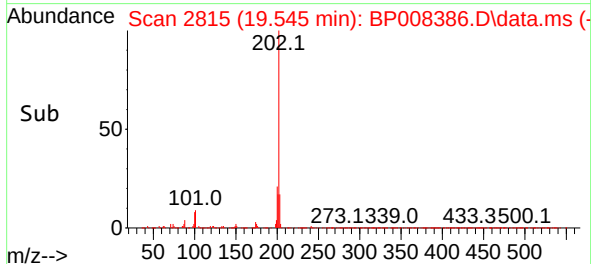
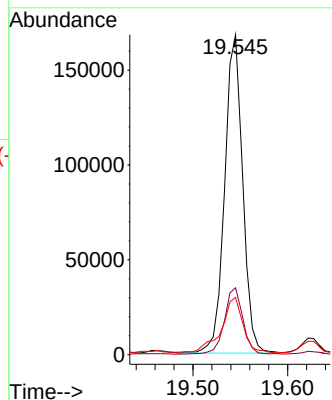
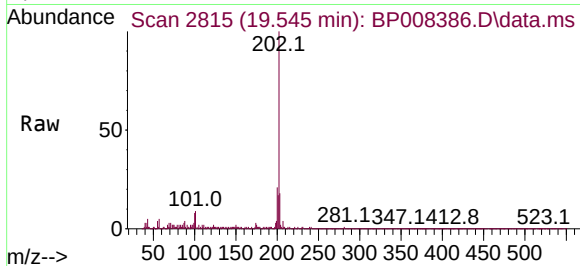




#78
Pyrene
Concen: 6.089 ng
RT: 19.545 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

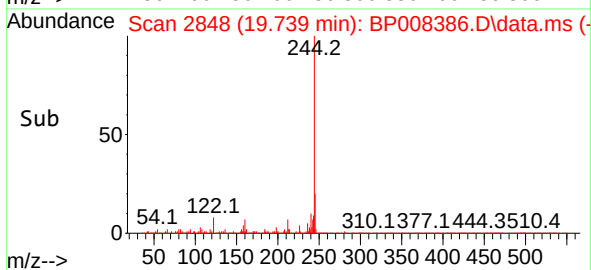
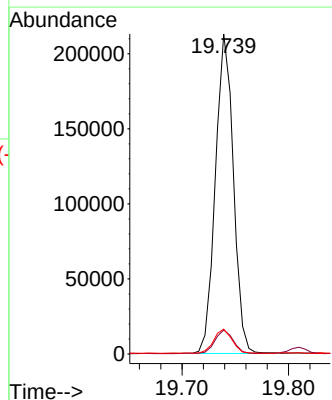
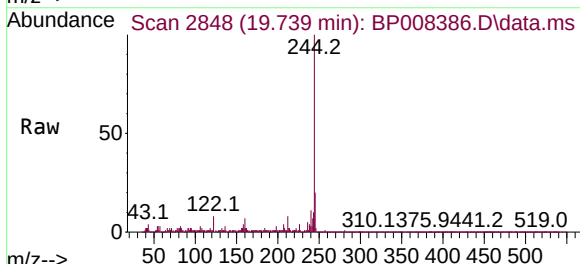
Instrument :
BNA_P
ClientSampleId :
P-1DL

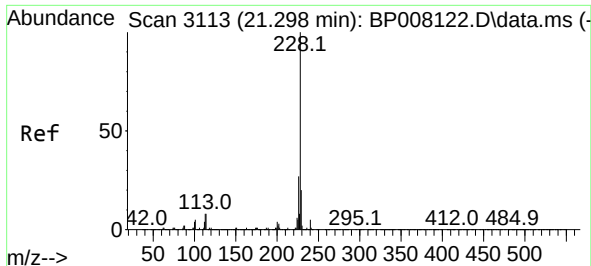
Tgt Ion:202 Resp: 222111
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.9 14.2 21.2



#79
Terphenyl-d14
Concen: 12.290 ng
RT: 19.739 min Scan# 2848
Delta R.T. -0.018 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:244 Resp: 249078
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 7.7 6.6 9.8

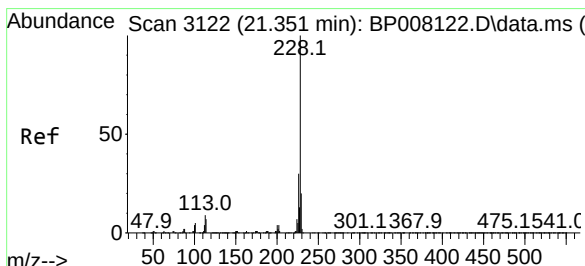
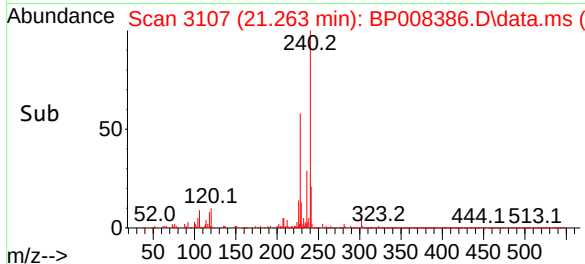
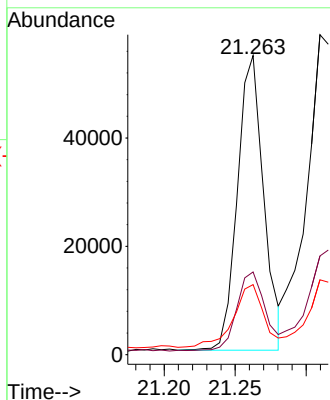
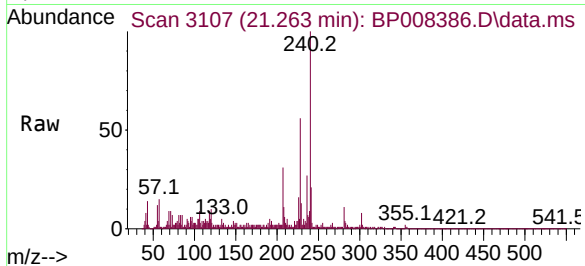




#81
Benzo(a)anthracene
Concen: 2.489 ng
RT: 21.263 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

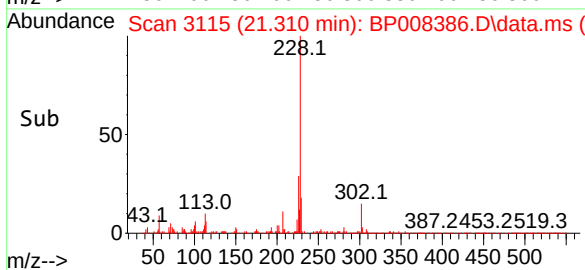
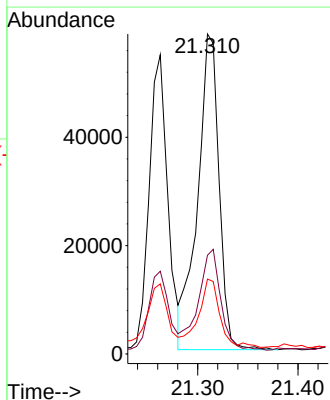
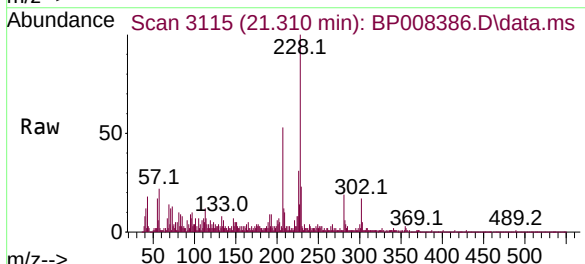
Instrument :
BNA_P
ClientSampleId :
P-1DL

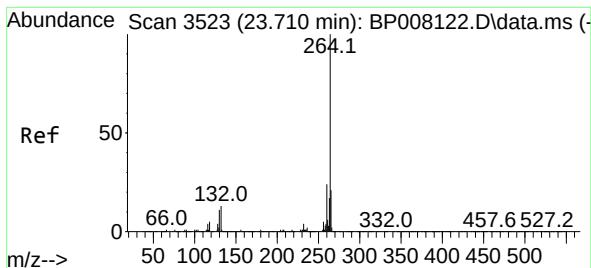
Tgt Ion:228 Resp: 69872
Ion Ratio Lower Upper
228 100
226 27.6 21.9 32.9
229 23.4 15.9 23.9



#83
Chrysene
Concen: 3.259 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.018 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Tgt Ion:228 Resp: 87052
Ion Ratio Lower Upper
228 100
226 30.9 24.0 36.0
229 23.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.651 min Scan# 3513

Delta R.T. -0.024 min

Lab File: BP008386.D

Acq: 13 Dec 2021 20:41

Instrument :

BNA_P

ClientSampleId :

P-1DL

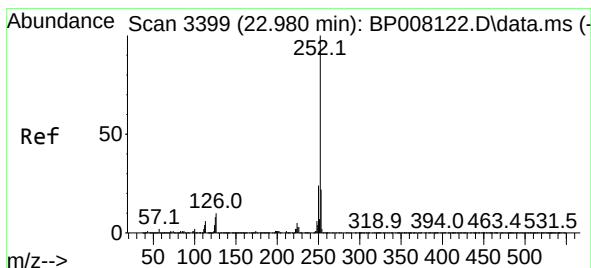
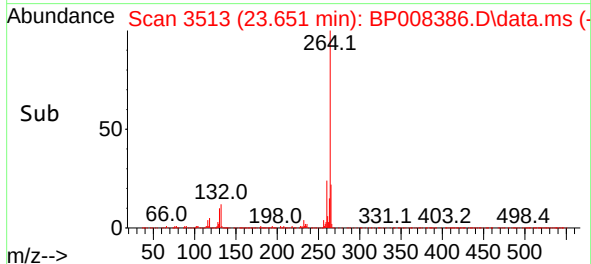
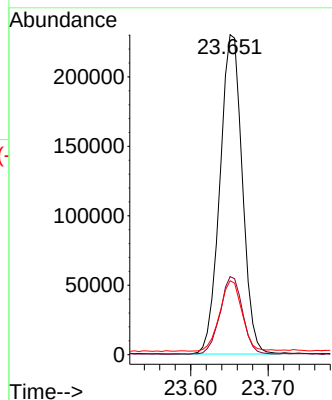
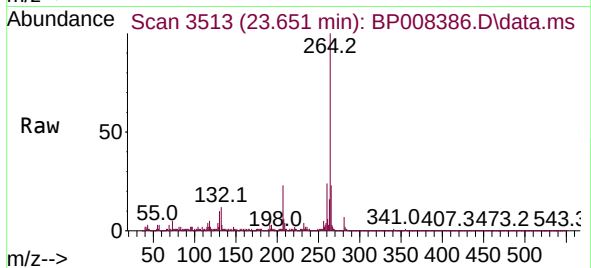
Tgt Ion:264 Resp: 460792

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 23.1 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 3.180 ng

RT: 22.933 min Scan# 3391

Delta R.T. -0.012 min

Lab File: BP008386.D

Acq: 13 Dec 2021 20:41

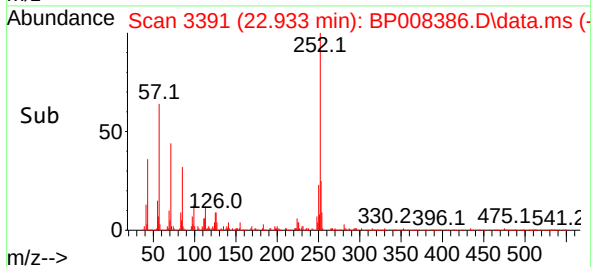
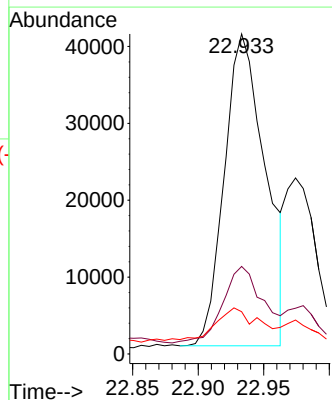
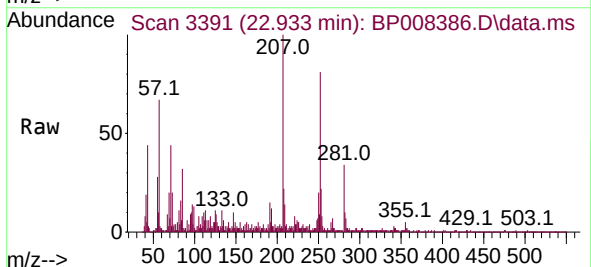
Tgt Ion:252 Resp: 88326

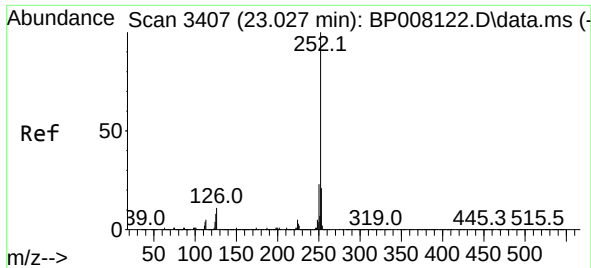
Ion Ratio Lower Upper

252 100

253 27.3 17.7 26.5#

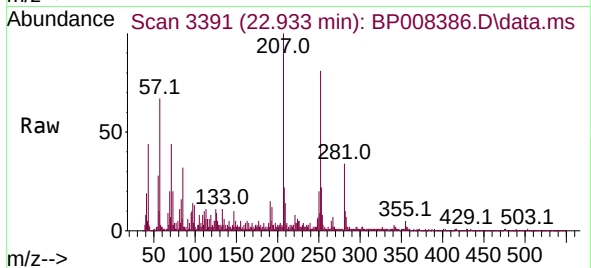
125 13.2 6.2 9.4#





#89
Benzo(k)fluoranthene
Concen: 3.248 ng
RT: 22.933 min Scan# 31
Delta R.T. -0.065 min
Lab File: BP008386.D
Acq: 13 Dec 2021 20:41

Instrument :
BNA_P
ClientSampleId :
P-1DL



Tgt Ion:252 Resp: 88326
Ion Ratio Lower Upper
252 100
253 27.3 17.3 25.9#
125 13.2 6.5 9.7#

