

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092221\
 Data File : BP007112.D
 Acq On : 22 Sep 2021 23:09
 Operator : CG/JU
 Sample : M3797-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 26240

Quant Time: Sep 23 01:08:26 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 21 16:50:24 2021
 Response via : Initial Calibration

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

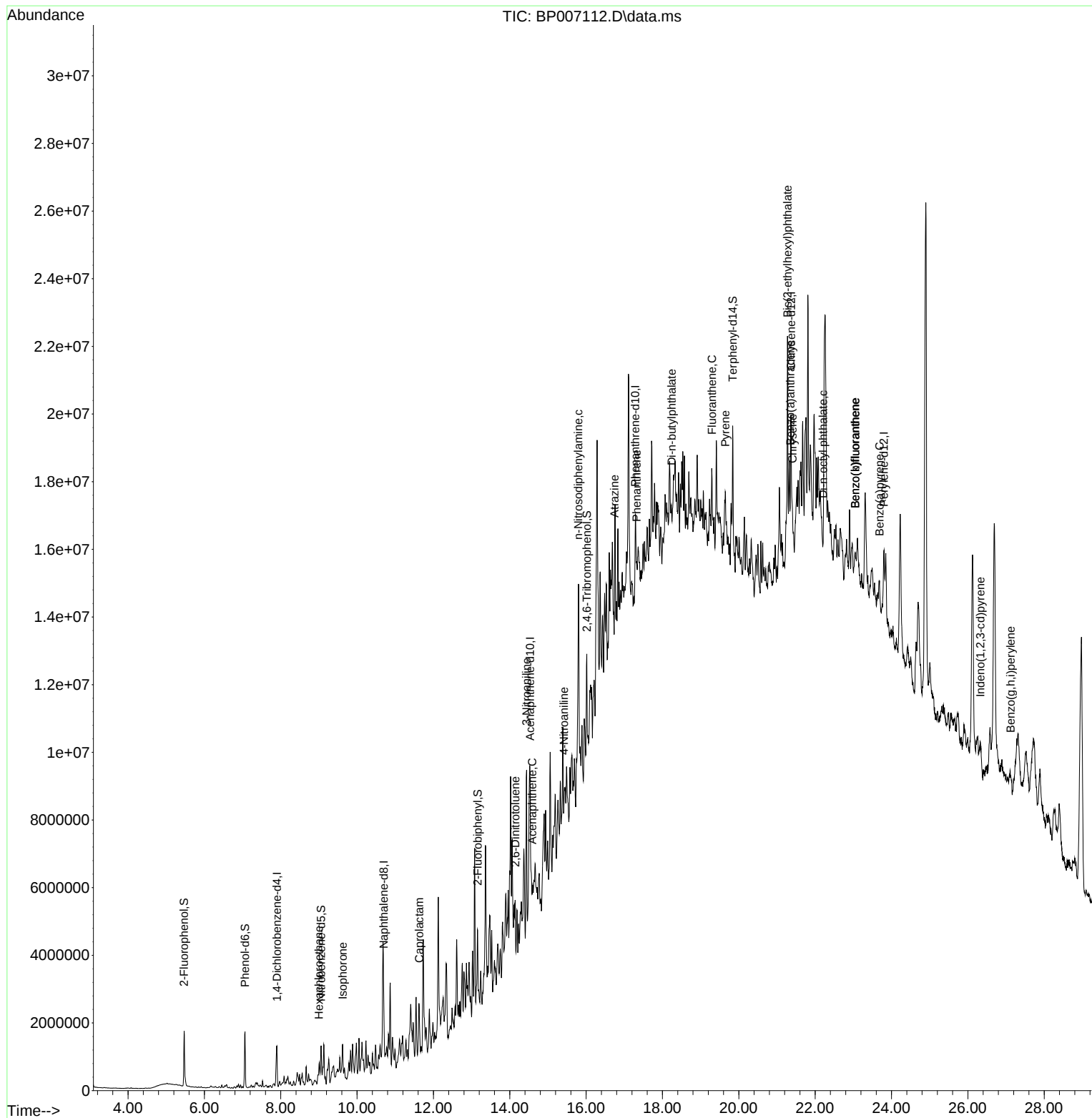
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	329346	20.000	ng	0.00
21) Naphthalene-d8	10.699	136	1195483	20.000	ng	# 0.00
39) Acenaphthene-d10	14.534	164	716533	20.000	ng	0.00
64) Phenanthrene-d10	17.287	188	1415222	20.000	ng	# 0.00
76) Chrysene-d12	21.369	240	1532167	20.000	ng	0.00
86) Perylene-d12	23.798	264	1700406	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	770789	39.176	ng	0.00
7) Phenol-d6	7.064	99	952353	35.416	ng	0.00
23) Nitrobenzene-d5	9.058	82	571416	27.836	ng	-0.01
42) 2,4,6-Tribromophenol	16.022	330	438667	47.222	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	1355659	27.105	ng	0.00
79) Terphenyl-d14	19.839	244	2114036	26.440	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.005	117	16531	2.002	ng	# 1
25) Isophorone	9.622	82	107720	3.009	ng	# 1
35) Caprolactam	11.628	113	25335	4.393	ng	# 1
51) 2,6-Dinitrotoluene	14.146	165	22629	2.150	ng	# 41
52) Acenaphthene	14.593	154	84839	2.202	ng	# 87
53) 3-Nitroaniline	14.440	138	32537	2.859	ng	# 44
62) 4-Nitroaniline	15.422	138	61929	5.410	ng	84
66) n-Nitrosodiphenylamine	15.798	169	255341	6.064	ng	# 57
69) Atrazine	16.745	200	61987	4.176	ng	# 32
71) Phenanthrene	17.328	178	226981	2.991	ng	# 40
74) Di-n-butylphthalate	18.239	149	169871	2.107	ng	# 54
75) Fluoranthene	19.298	202	942188	10.777	ng	90
78) Pyrene	19.645	202	1054604	10.491	ng	# 93
81) Benzo(a)anthracene	21.351	228	307524	3.092	ng	# 86
83) Chrysene	21.404	228	412135	4.336	ng	# 91
84) Bis(2-ethylhexyl)phtha...	21.280	149	2836026	49.001	ng	# 92
85) Di-n-octyl phthalate	22.210	149	212636	2.158	ng	# 83
87) Indeno(1,2,3-cd)pyrene	26.327	276	263432	2.156	ng	96
88) Benzo(b)fluoranthene	23.051	252	596285	5.868	ng	# 17
89) Benzo(k)fluoranthene	23.051	252	596285	5.796	ng	# 18
90) Benzo(a)pyrene	23.686	252	271482	3.145	ng	# 1
92) Benzo(g,h,i)perylene	27.121	276	321739	3.219	ng	# 64

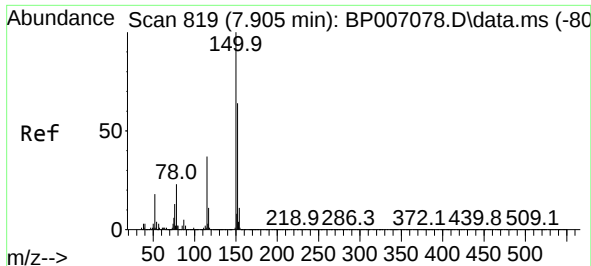
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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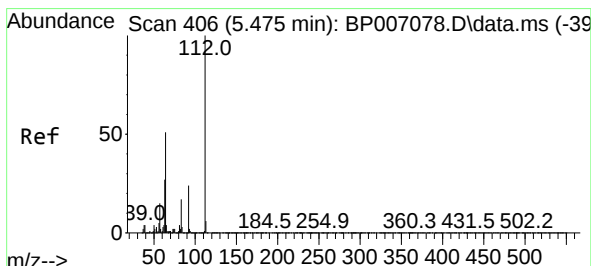
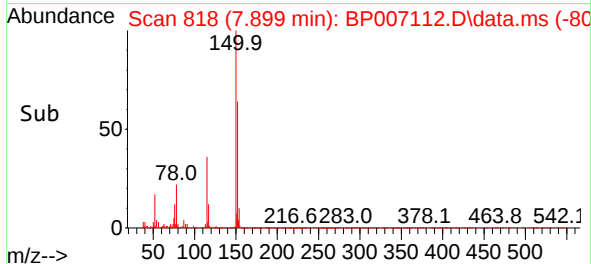
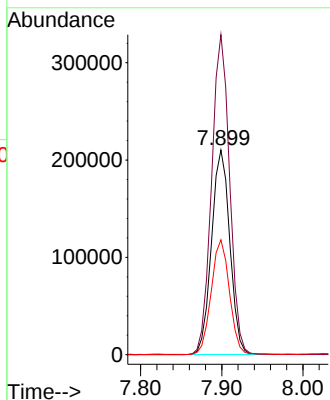
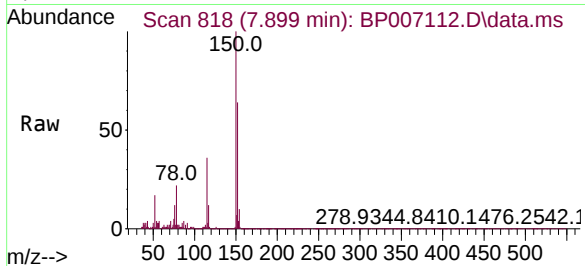




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 818
Delta R.T. -0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

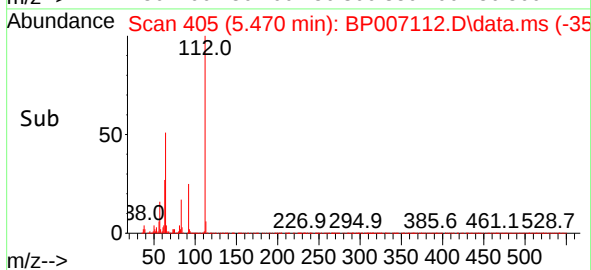
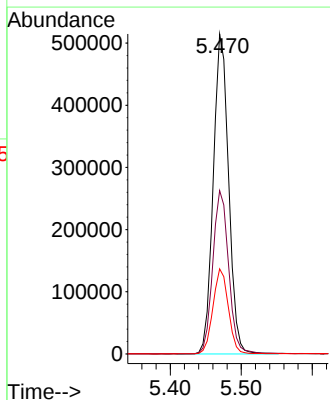
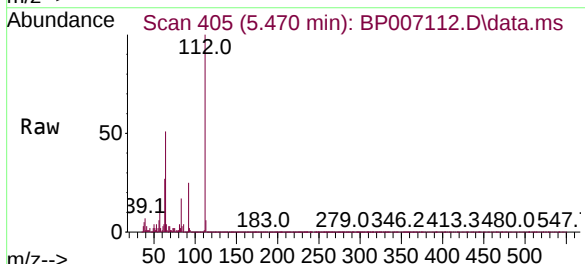
Instrument :
BNA_P
ClientSampleId :
26240

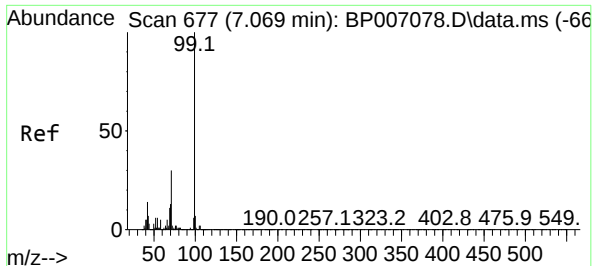
Tgt Ion:152 Resp: 329346
Ion Ratio Lower Upper
152 100
150 156.3 125.6 188.4
115 56.1 48.5 72.7



#5
2-Fluorophenol
Concen: 39.176 ng
RT: 5.470 min Scan# 405
Delta R.T. -0.005 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:112 Resp: 770789
Ion Ratio Lower Upper
112 100
64 51.1 41.4 62.2
63 26.6 23.8 35.8

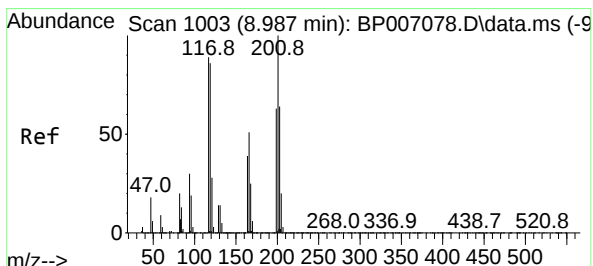
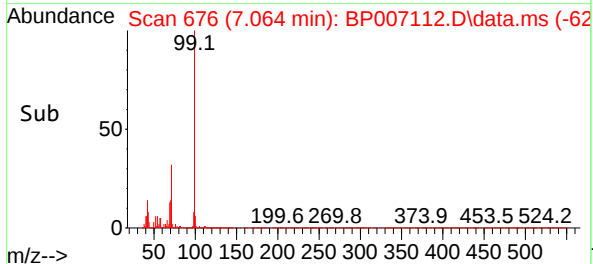
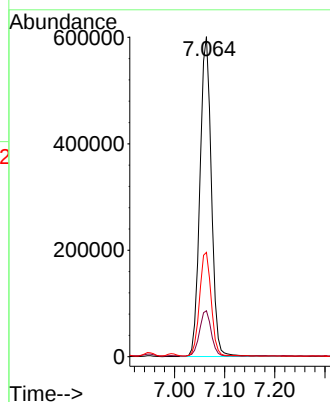
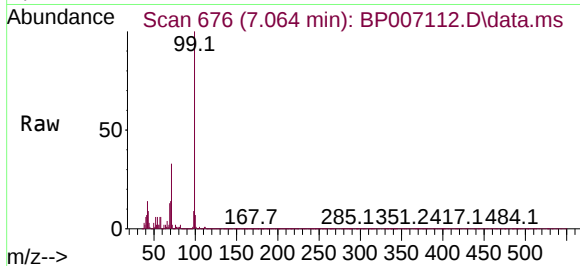




#7
Phenol-d6
Concen: 35.416 ng
RT: 7.064 min Scan# 676
Delta R.T. -0.005 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

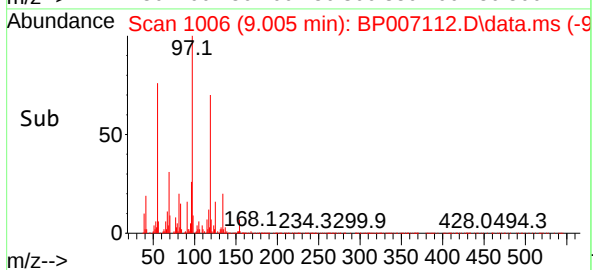
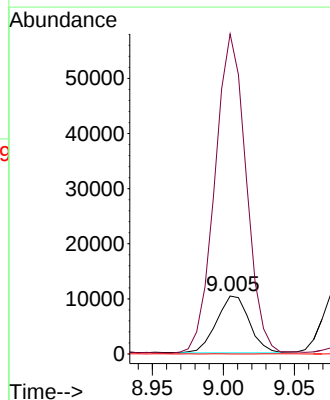
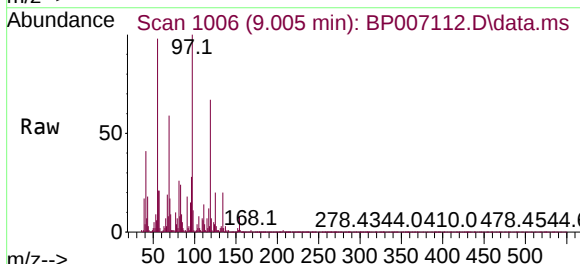
Instrument :
BNA_P
ClientSampleId :
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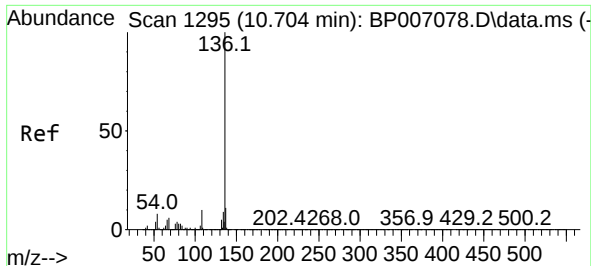
Tgt Ion: 99 Resp: 952353
Ion Ratio Lower Upper
99 100
42 14.4 13.4 20.0
71 32.6 30.6 46.0



#18
Hexachloroethane
Concen: 2.002 ng
RT: 9.005 min Scan# 1006
Delta R.T. 0.018 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion: 117 Resp: 16531
Ion Ratio Lower Upper
117 100
119 551.9 76.2 114.2#
201 0.1 83.4 125.0#



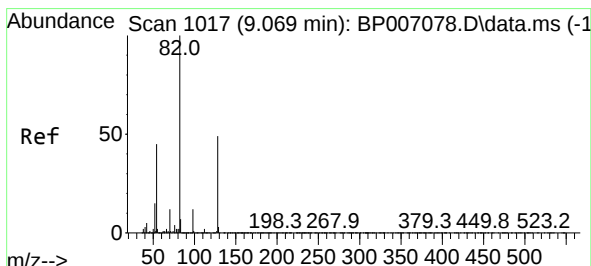
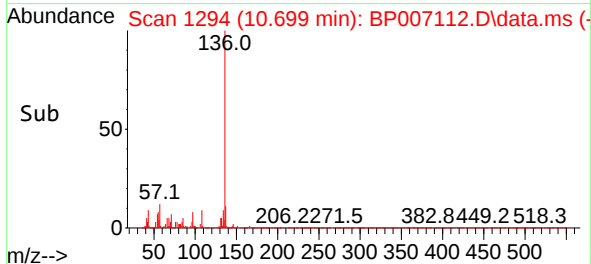
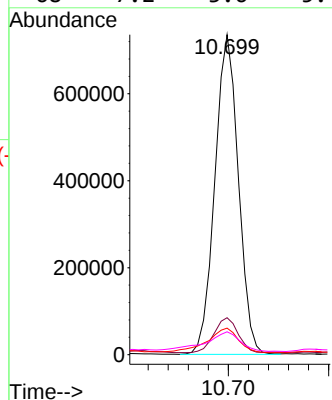
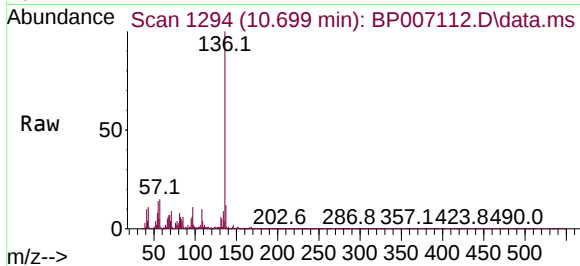


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Instrument :
BNA_P
ClientSampleId :
26240

Tgt Ion:136 Resp: 1195483

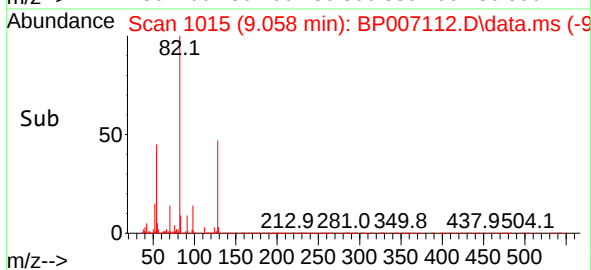
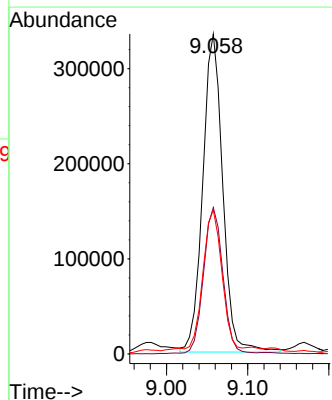
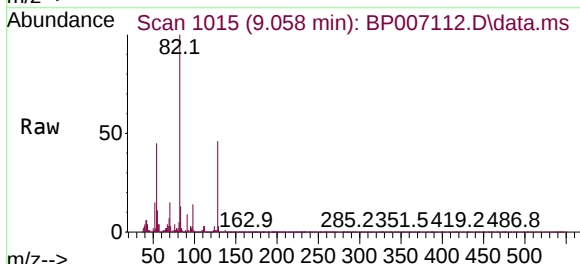
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	12.8
54	8.3	4.6	6.8#
68	7.2	3.6	5.4#

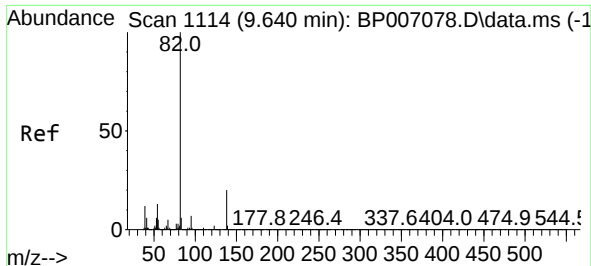


#23
Nitrobenzene-d5
Concen: 27.836 ng
RT: 9.058 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion: 82 Resp: 571416

Ion	Ratio	Lower	Upper
82	100		
128	45.7	35.7	53.5
54	45.0	35.0	52.4

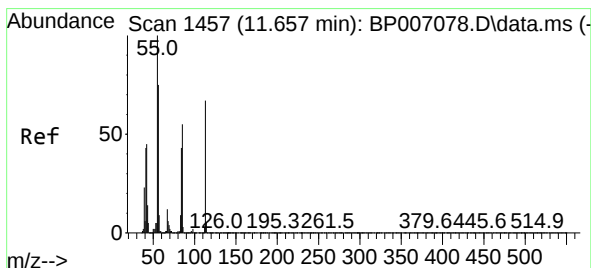
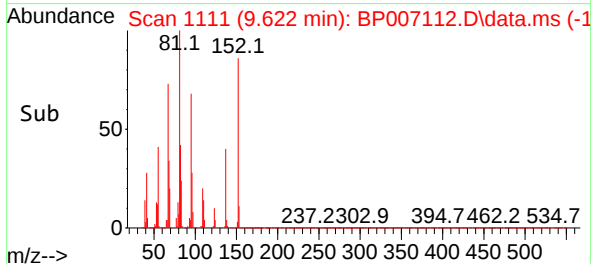
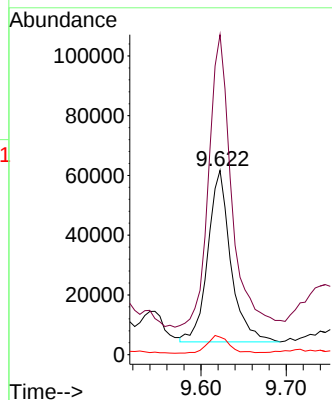
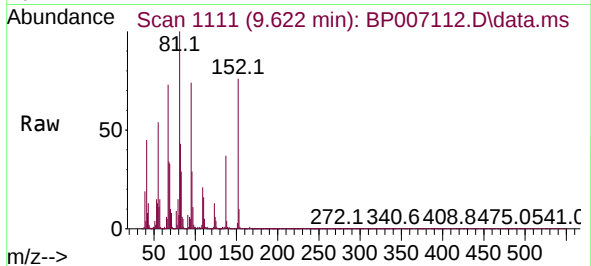




#25
Isophorone
Concen: 3.009 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.018 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

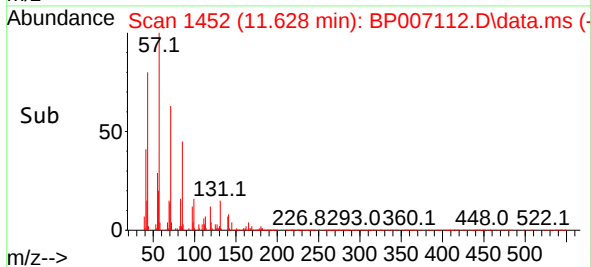
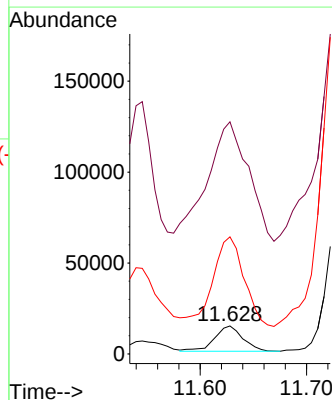
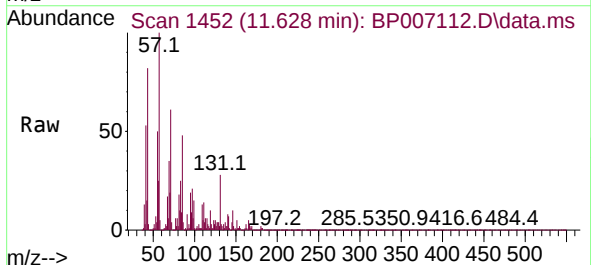
Instrument :
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ClientSampleId :
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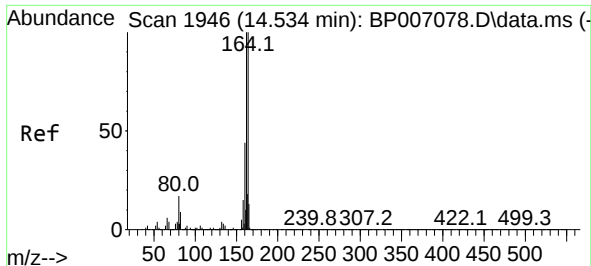
Tgt Ion: 82 Resp: 107720
Ion Ratio Lower Upper
82 100
95 173.7 6.5 9.7#
138 9.6 15.0 22.4#



#35
Caprolactam
Concen: 4.393 ng
RT: 11.628 min Scan# 1452
Delta R.T. -0.029 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion: 113 Resp: 25335
Ion Ratio Lower Upper
113 100
55 830.8 98.9 138.9#
56 419.0 71.7 111.7#

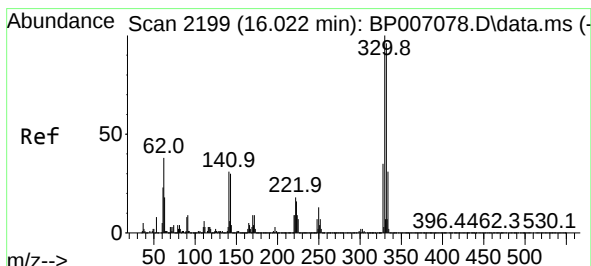
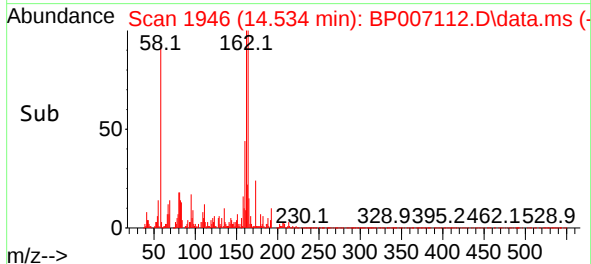
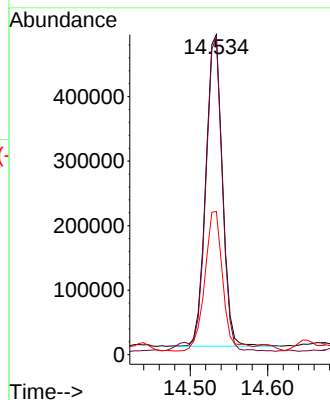
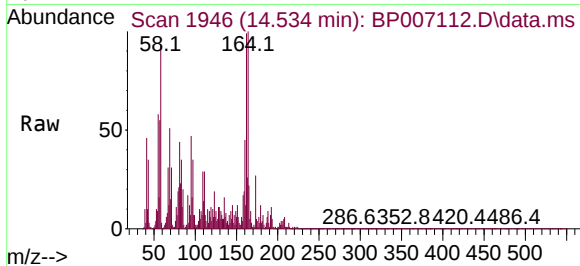




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

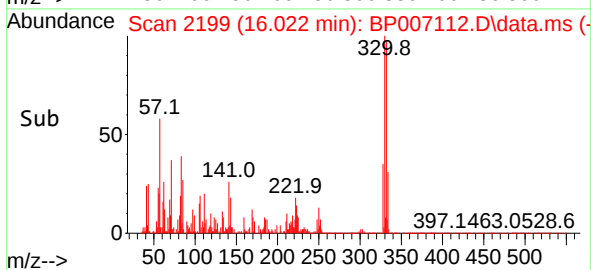
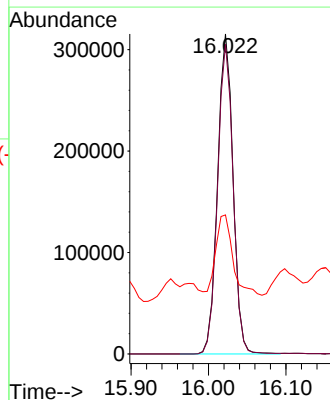
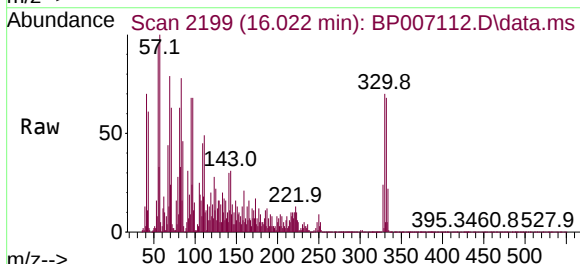
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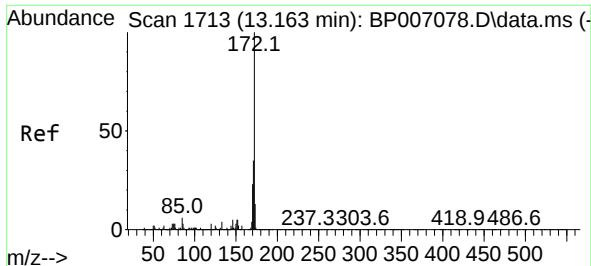
Tgt Ion:164 Resp: 716533
Ion Ratio Lower Upper
164 100
162 99.3 80.2 120.2
160 44.8 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 47.222 ng
RT: 16.022 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:330 Resp: 438667
Ion Ratio Lower Upper
330 100
332 97.0 77.8 116.8
141 27.4 25.4 38.2

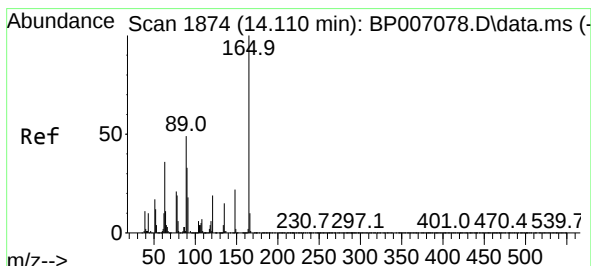
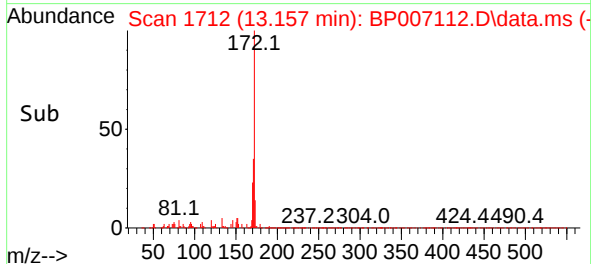
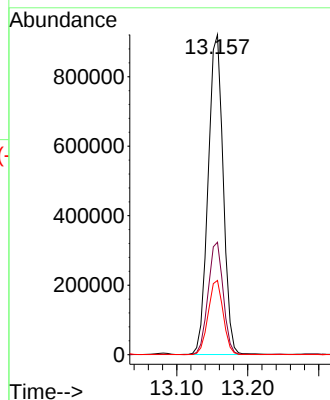
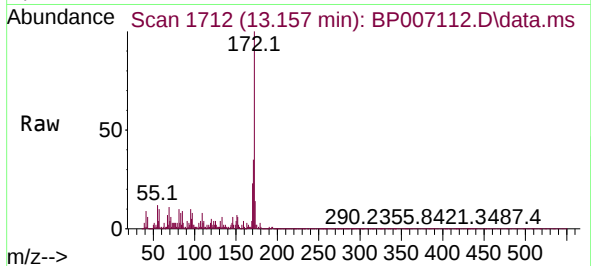




#45
2-Fluorobiphenyl
Concen: 27.105 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

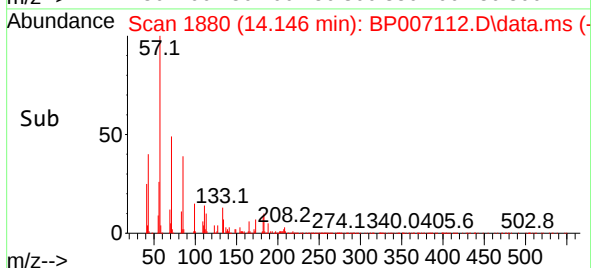
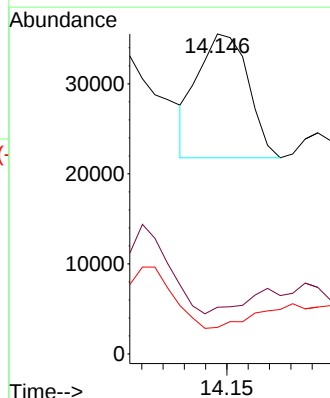
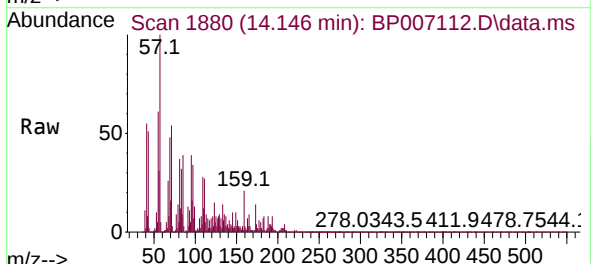
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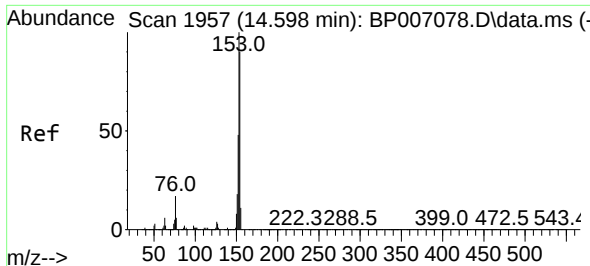
Tgt Ion:172 Resp: 1355659
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 23.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 2.150 ng
RT: 14.146 min Scan# 1880
Delta R.T. 0.035 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:165 Resp: 22629
Ion Ratio Lower Upper
165 100
63 14.6 41.3 61.9#
89 8.3 44.8 67.2#

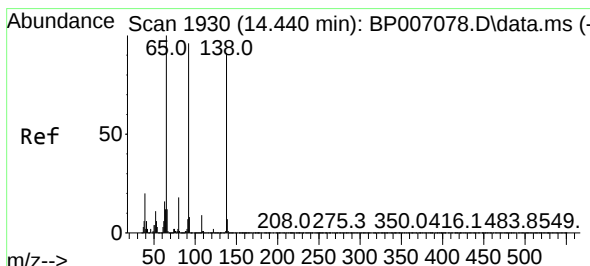
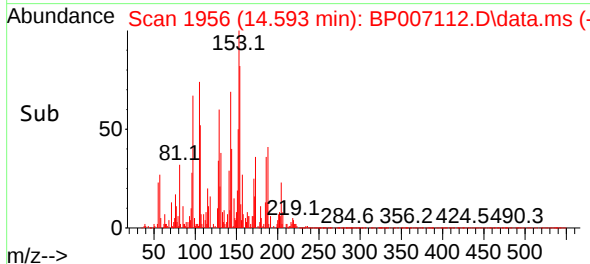
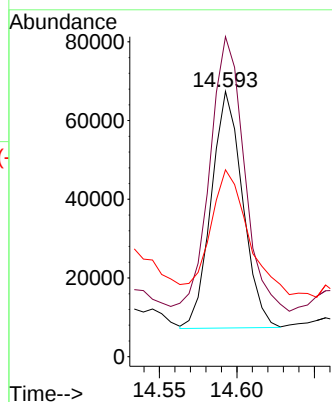
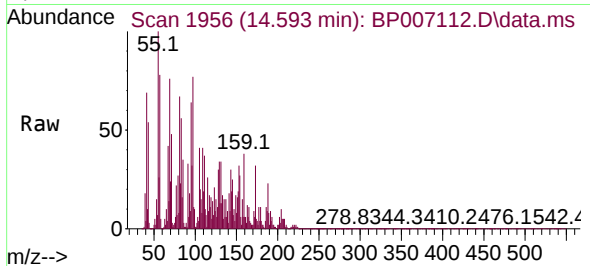




#52
Acenaphthene
Concen: 2.202 ng
RT: 14.593 min Scan# 1956
Delta R.T. -0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

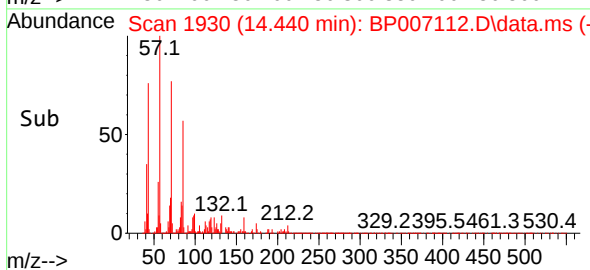
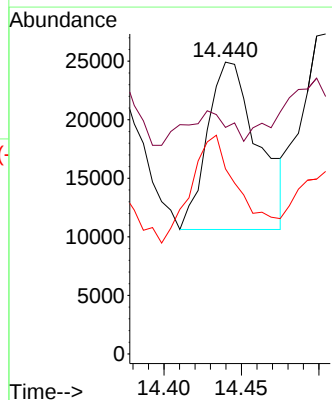
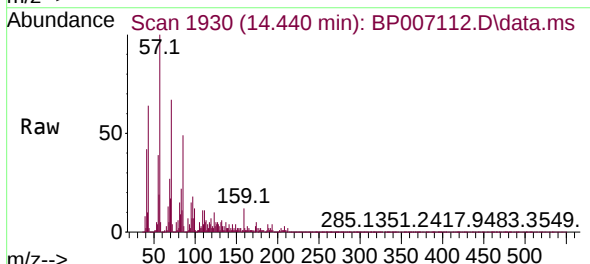
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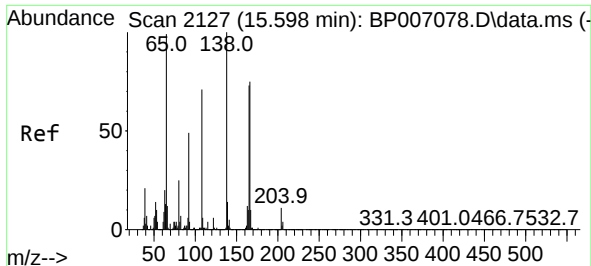
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Ion Ratio Lower Upper
154 100
153 120.6 89.4 134.2
152 70.5 43.0 64.4#



#53
3-Nitroaniline
Concen: 2.859 ng
RT: 14.440 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:138 Resp: 32537
Ion Ratio Lower Upper
138 100
108 77.7 8.4 12.6#
92 63.4 87.8 131.8#

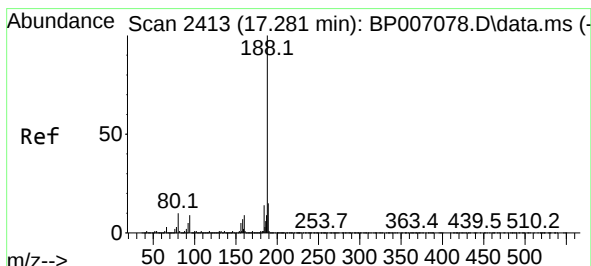
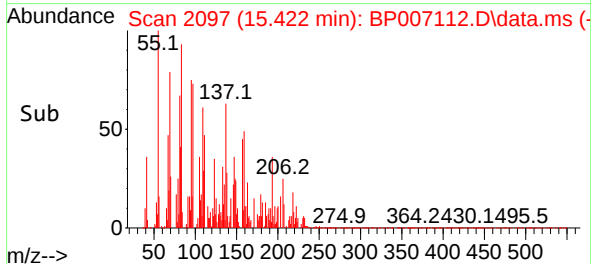
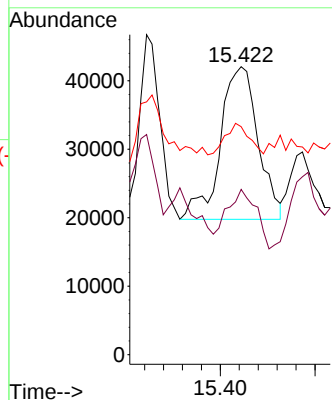
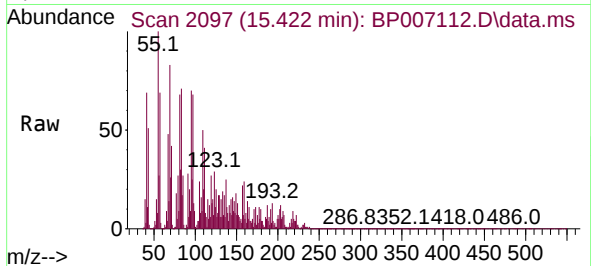




#62
4-Nitroaniline
Concen: 5.410 ng
RT: 15.422 min Scan# 2097
Delta R.T. -0.176 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

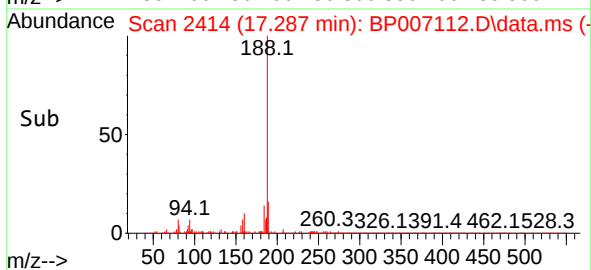
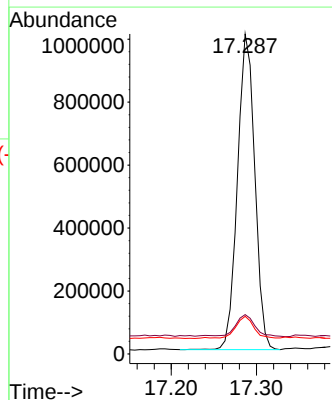
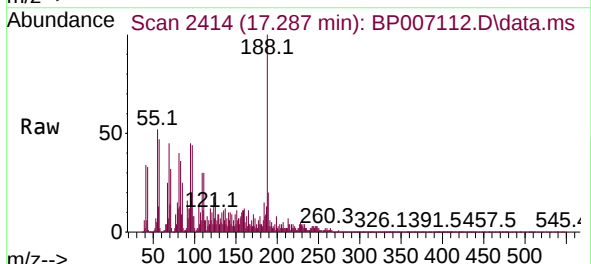
Instrument :
BNA_P
ClientSampleId :
26240

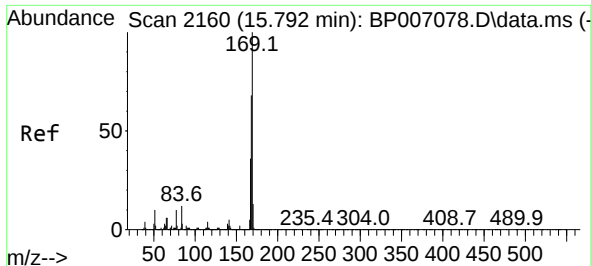
Tgt Ion:138 Resp: 61929
Ion Ratio Lower Upper
138 100
92 57.4 31.2 71.2
108 79.2 78.6 118.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.287 min Scan# 2414
Delta R.T. 0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:188 Resp: 1415222
Ion Ratio Lower Upper
188 100
94 12.3 5.6 8.4#
80 11.8 6.3 9.5#

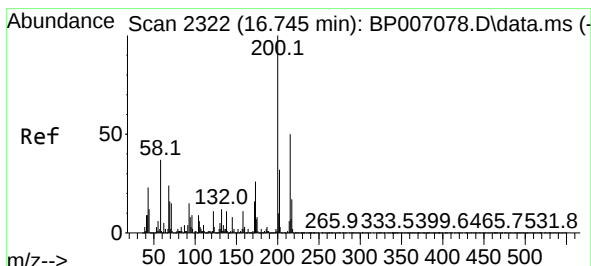
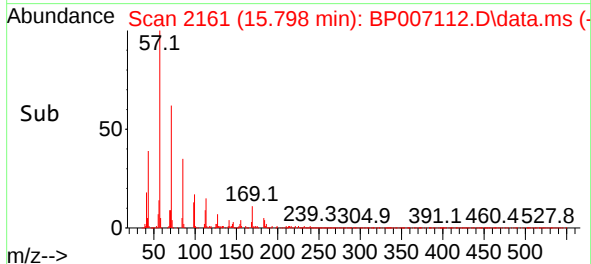
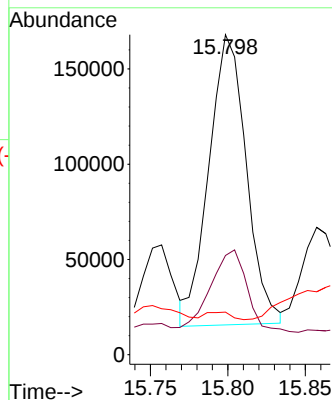
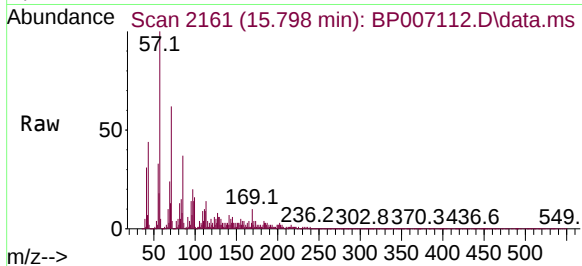




#66
n-Nitrosodiphenylamine
Concen: 6.064 ng
RT: 15.798 min Scan# 2161
Delta R.T. 0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

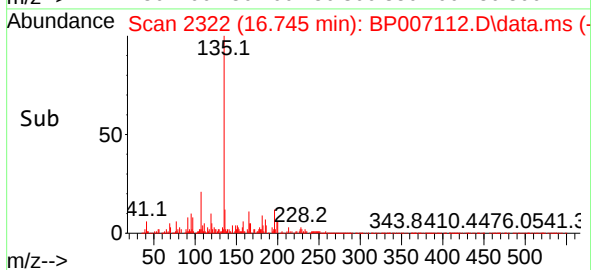
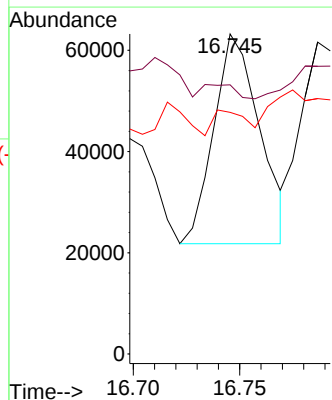
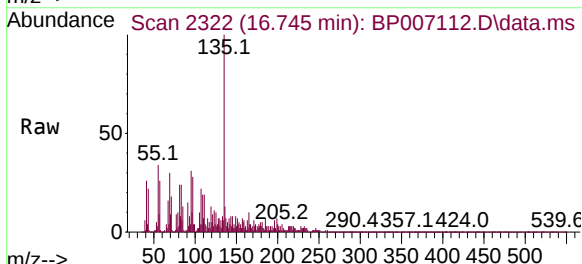
Instrument :
BNA_P
ClientSampleId :
26240

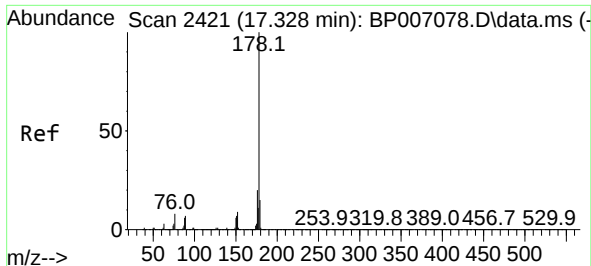
Tgt Ion:169 Resp: 255341
Ion Ratio Lower Upper
169 100
168 31.0 54.4 81.6#
167 13.3 29.0 43.6#



#69
Atrazine
Concen: 4.176 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:200 Resp: 61987
Ion Ratio Lower Upper
200 100
173 84.1 4.1 44.1#
215 75.5 27.7 67.7#

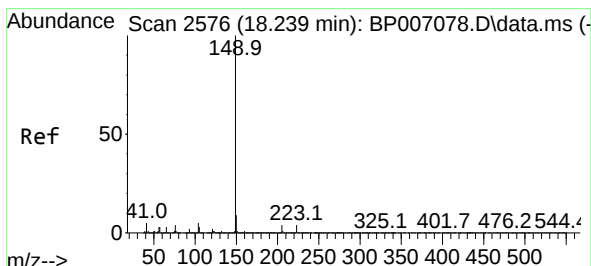
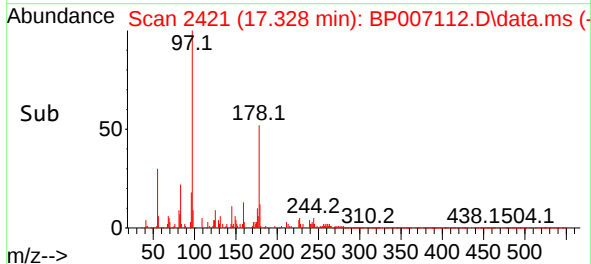
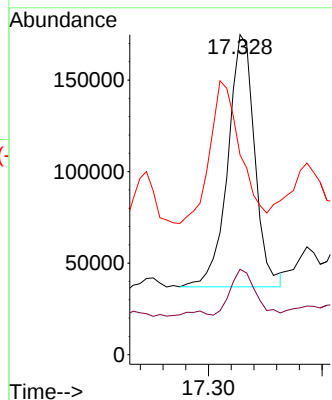
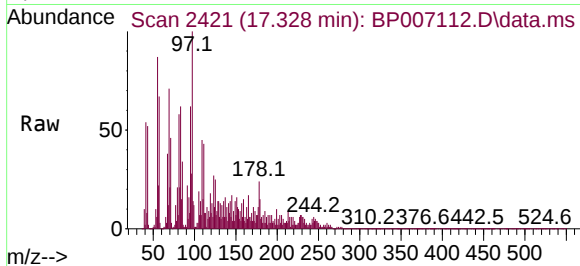




#71
Phenanthrene
Concen: 2.991 ng
RT: 17.328 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

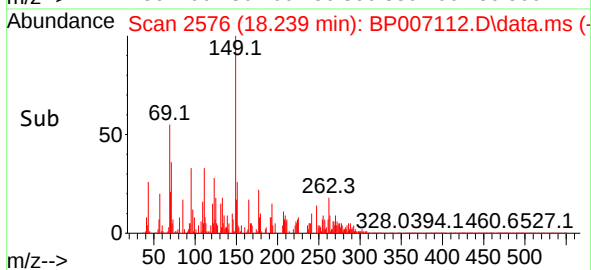
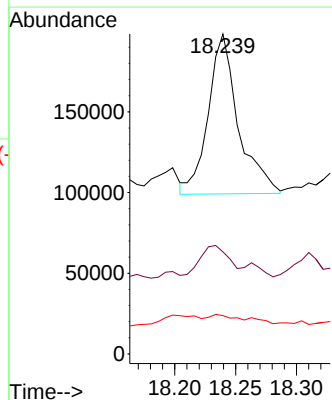
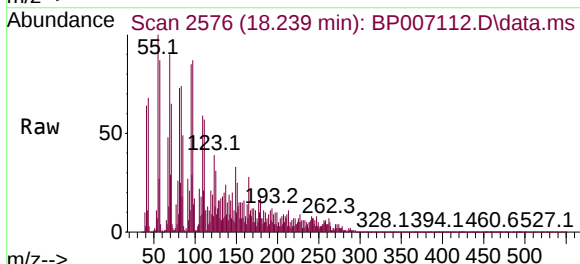
Instrument :
BNA_P
ClientSampleId :
26240

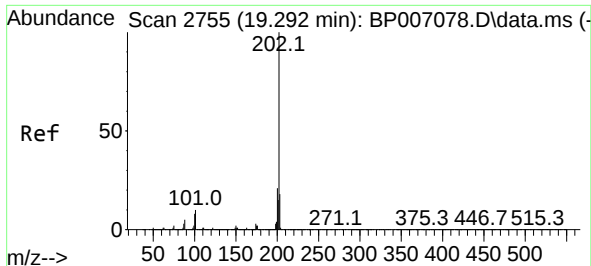
Tgt Ion:178 Resp: 226981
Ion Ratio Lower Upper
178 100
176 26.7 15.1 22.7#
179 62.4 12.4 18.6#



#74
Di-n-butylphthalate
Concen: 2.107 ng
RT: 18.239 min Scan# 2576
Delta R.T. 0.000 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:149 Resp: 169871
Ion Ratio Lower Upper
149 100
150 31.9 7.3 10.9#
104 12.0 4.5 6.7#

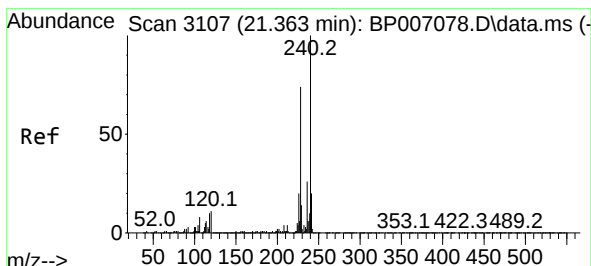
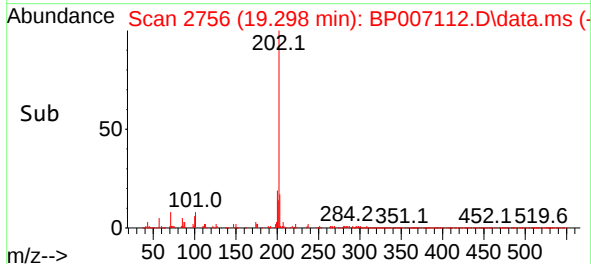
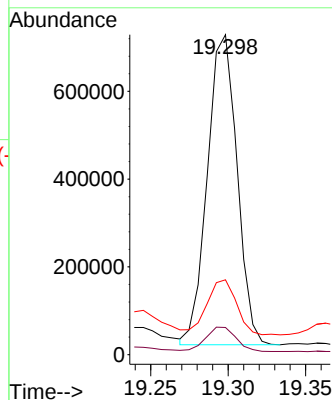
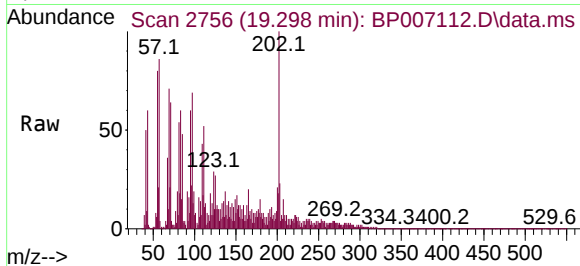




#75
Fluoranthene
Concen: 10.777 ng
RT: 19.298 min Scan# 2756
Delta R.T. 0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

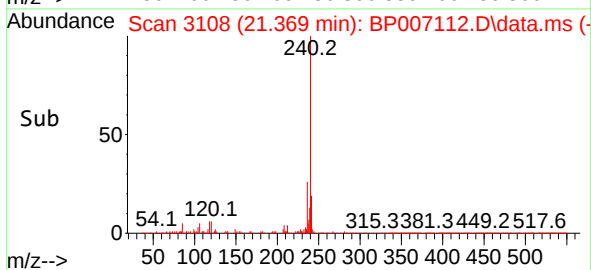
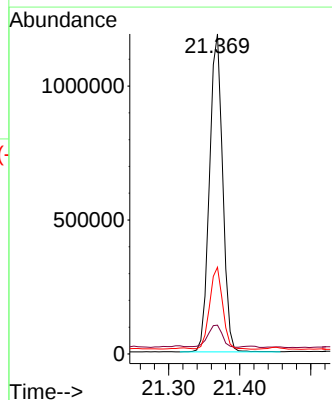
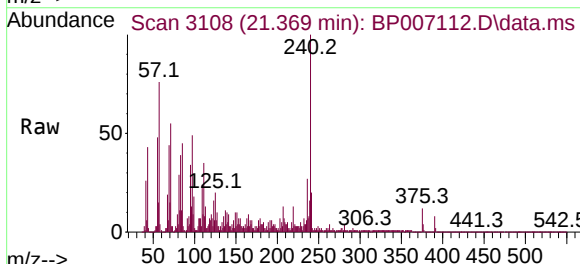
Instrument :
BNA_P
ClientSampleId :
26240

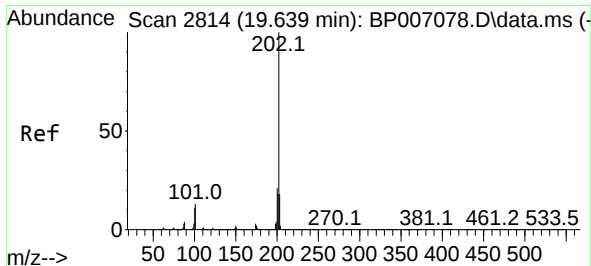
Tgt Ion:202	Resp:	942188
Ion Ratio	Lower	Upper
202	100	
101	8.5	0.0 27.6
203	23.4	0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.369 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:240	Resp:	1532167
Ion Ratio	Lower	Upper
240	100	
120	9.0	6.5 9.7
236	27.1	20.6 31.0

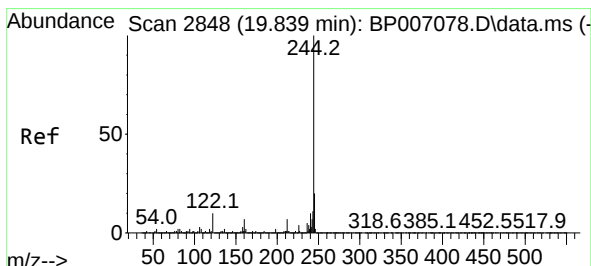
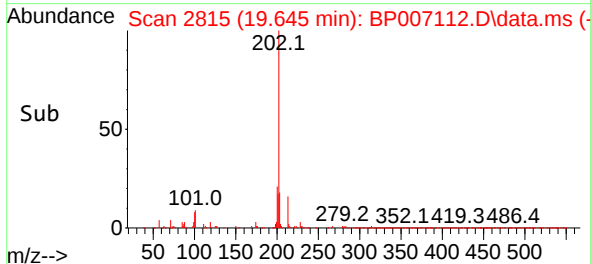
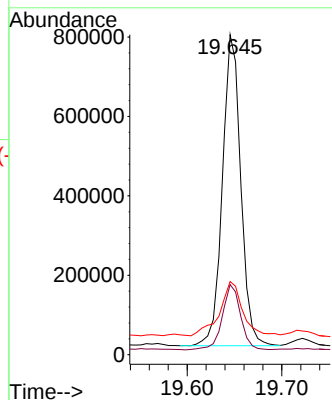
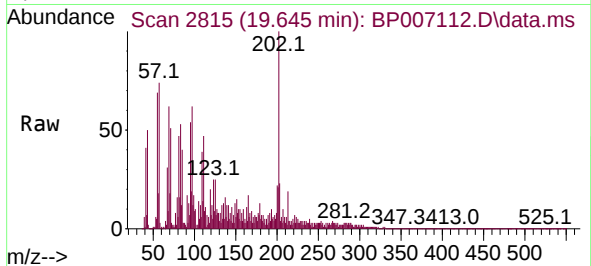




#78
Pyrene
Concen: 10.491 ng
RT: 19.645 min Scan# 2815
Delta R.T. 0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

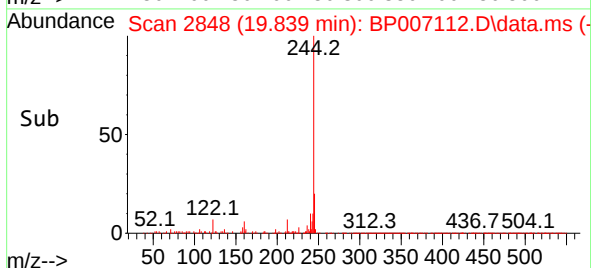
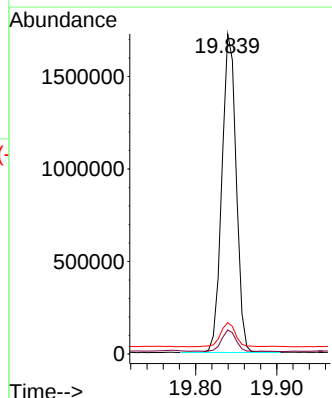
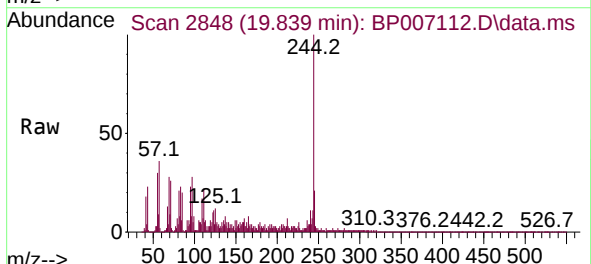
Instrument :
BNA_P
ClientSampleId :
26240

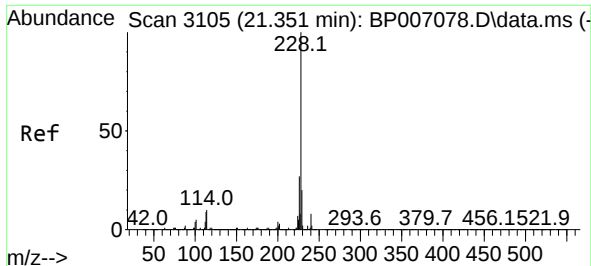
Tgt Ion:202 Resp: 1054604
Ion Ratio Lower Upper
202 100
200 21.9 16.3 24.5
203 22.9 14.2 21.2#



#79
Terphenyl-d14
Concen: 26.440 ng
RT: 19.839 min Scan# 2848
Delta R.T. 0.000 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:244 Resp: 2114036
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 9.8 7.1 10.7

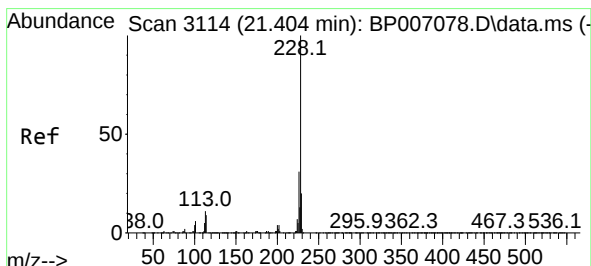
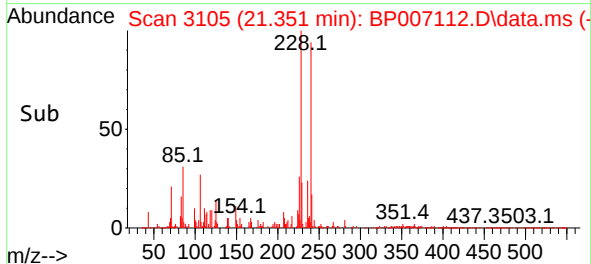
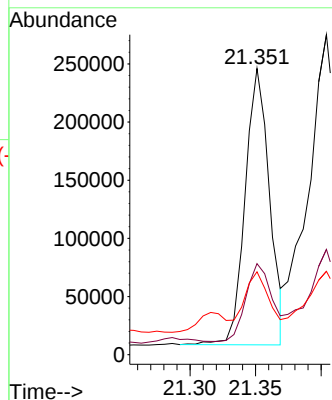
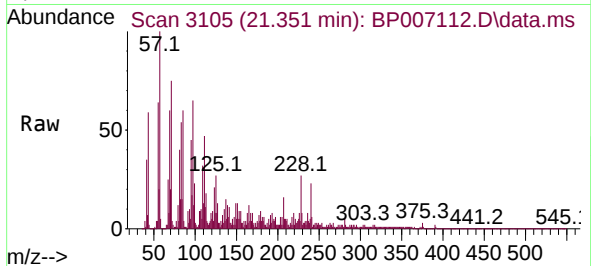




#81
Benzo(a)anthracene
Concen: 3.092 ng
RT: 21.351 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

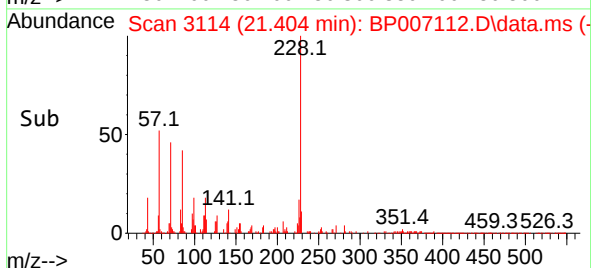
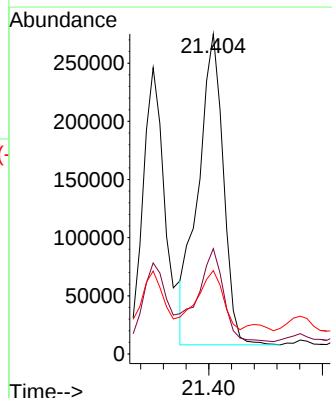
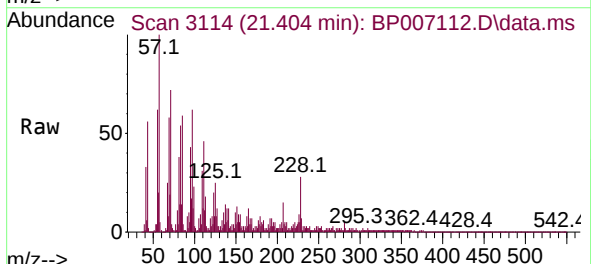
Instrument :
BNA_P
ClientSampleId :
26240

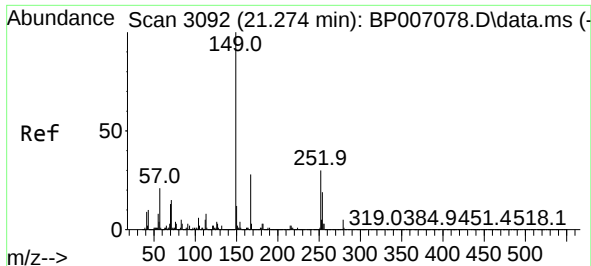
Tgt Ion:228 Resp: 307524
Ion Ratio Lower Upper
228 100
226 31.8 21.6 32.4
229 29.0 15.8 23.6#



#83
Chrysene
Concen: 4.336 ng
RT: 21.404 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:228 Resp: 412135
Ion Ratio Lower Upper
228 100
226 32.9 23.8 35.6
229 26.1 15.4 23.2#

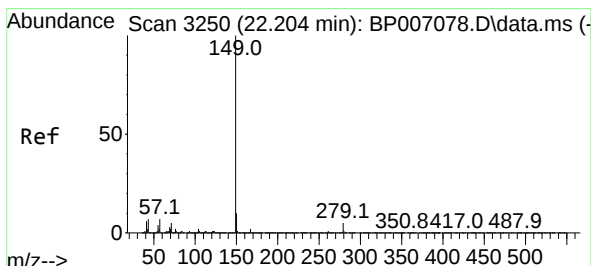
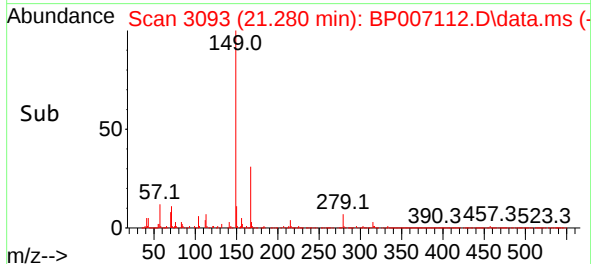
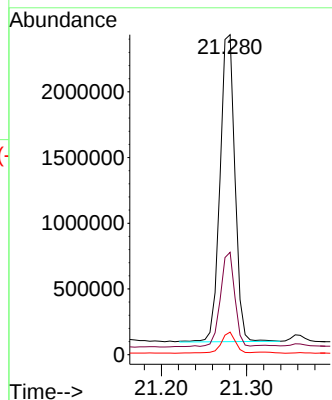
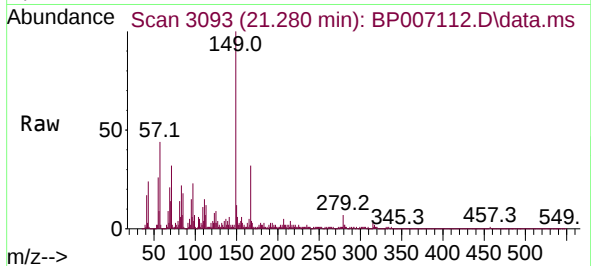




#84
Bis(2-ethylhexyl)phthalate
Concen: 49.001 ng
RT: 21.280 min Scan# 3093
Delta R.T. 0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

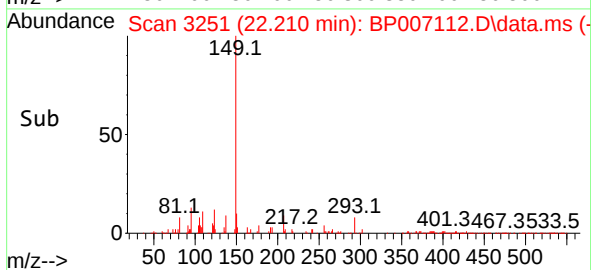
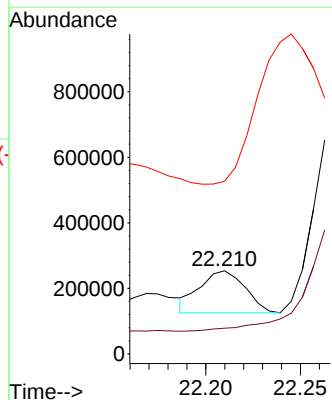
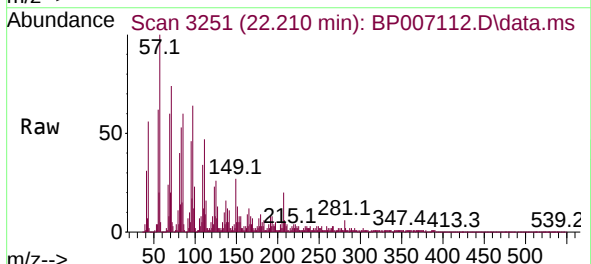
Instrument :
BNA_P
ClientSampleId :
26240

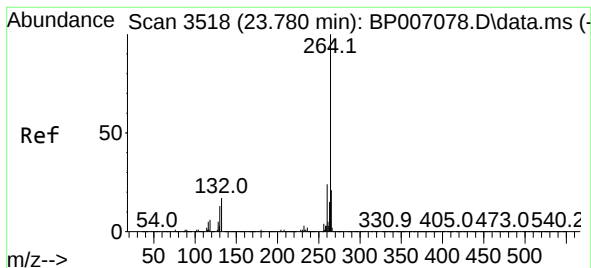
Tgt Ion:149 Resp: 2836026
Ion Ratio Lower Upper
149 100
167 32.0 21.9 32.9
279 7.1 4.3 6.5#



#85
Di-n-octyl phthalate
Concen: 2.158 ng
RT: 22.210 min Scan# 3251
Delta R.T. 0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:149 Resp: 212636
Ion Ratio Lower Upper
149 100
167 0.0 1.4 2.0#
43 0.0 5.6 8.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.798 min Scan# 3521

Delta R.T. 0.018 min

Lab File: BP007112.D

Acq: 22 Sep 2021 23:09

Instrument :

BNA_P

ClientSampleId :

26240

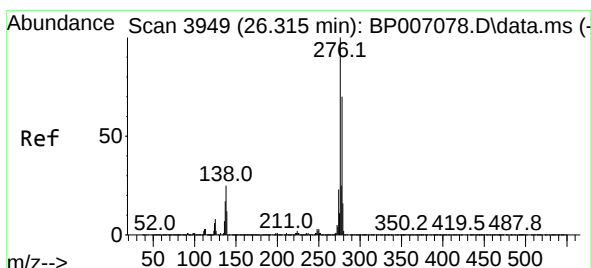
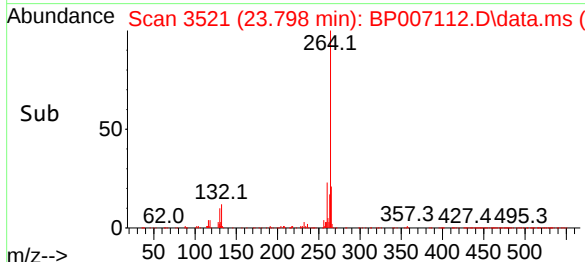
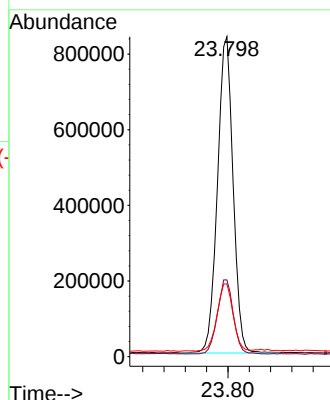
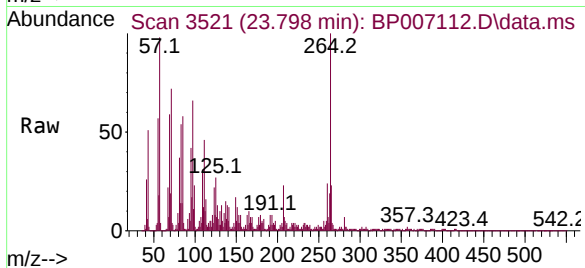
Tgt Ion:264 Resp: 1700406

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.7 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.156 ng

RT: 26.327 min Scan# 3951

Delta R.T. 0.012 min

Lab File: BP007112.D

Acq: 22 Sep 2021 23:09

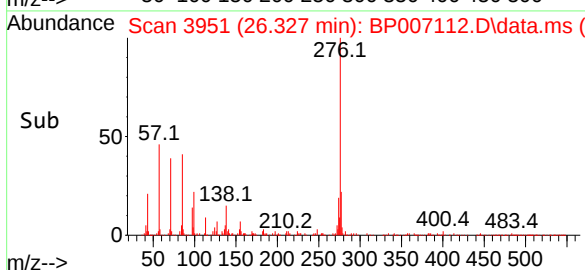
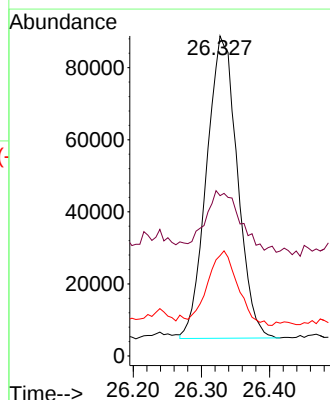
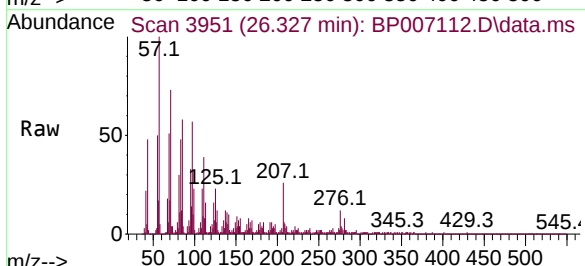
Tgt Ion:276 Resp: 263432

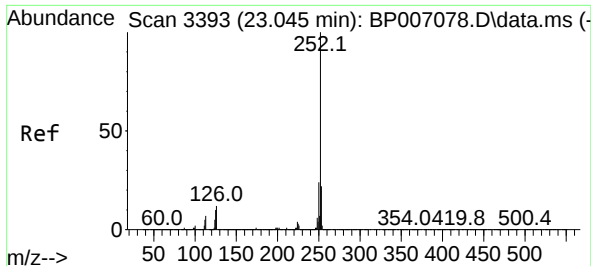
Ion Ratio Lower Upper

276 100

138 22.0 15.3 22.9

277 24.3 20.4 30.6

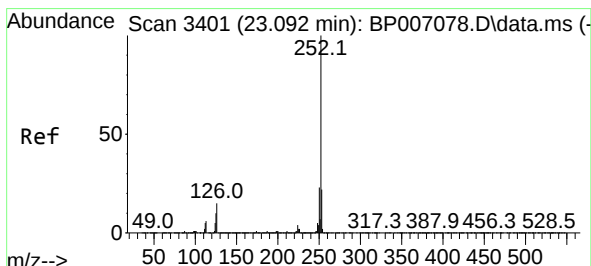
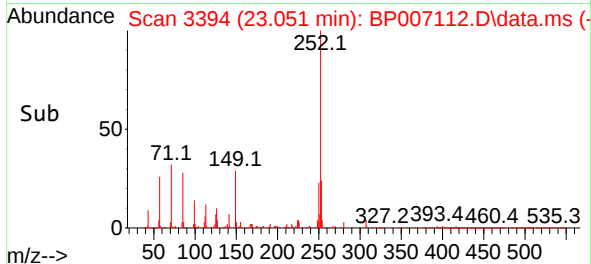
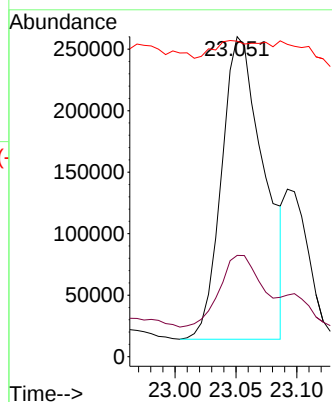
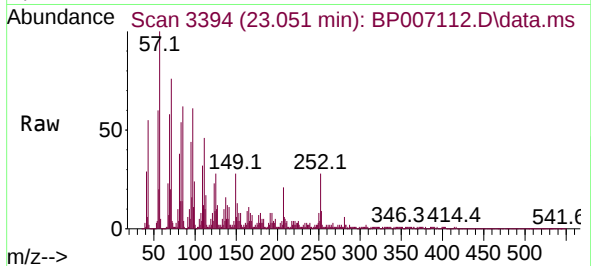




#88
Benzo(b)fluoranthene
Concen: 5.868 ng
RT: 23.051 min Scan# 3394
Delta R.T. 0.006 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

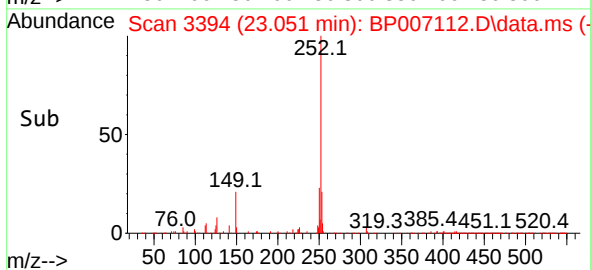
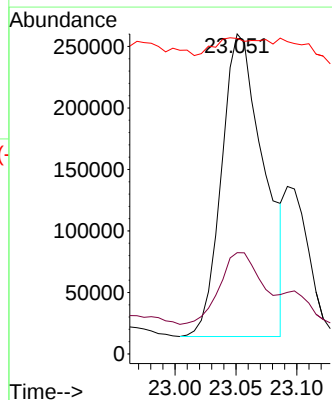
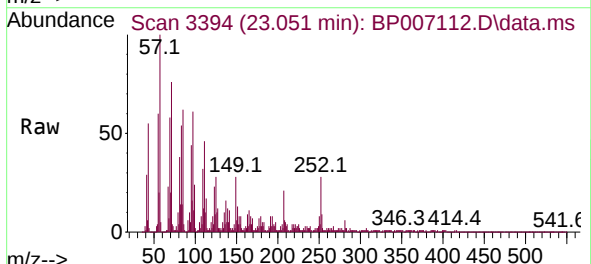
Instrument :
BNA_P
ClientSampleId :
26240

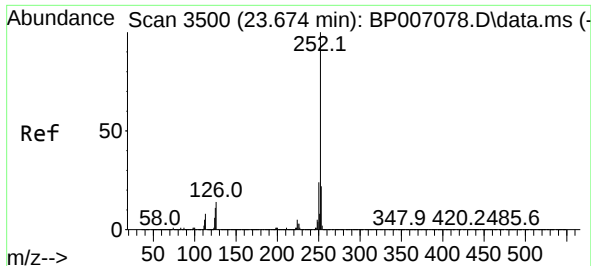
Tgt Ion:252 Resp: 596285
Ion Ratio Lower Upper
252 100
253 31.7 17.5 26.3#
125 98.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 5.796 ng
RT: 23.051 min Scan# 3394
Delta R.T. -0.041 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:252 Resp: 596285
Ion Ratio Lower Upper
252 100
253 31.7 17.6 26.4#
125 98.6 6.0 9.0#

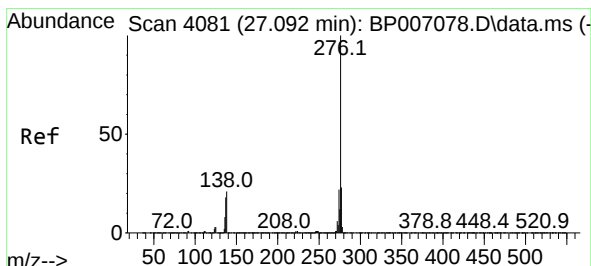
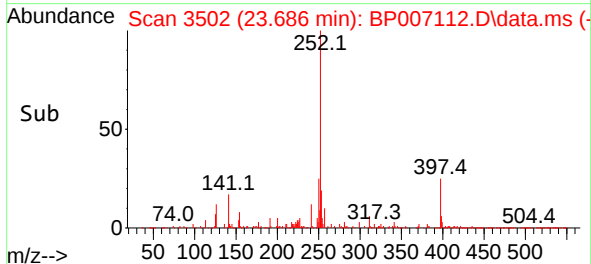
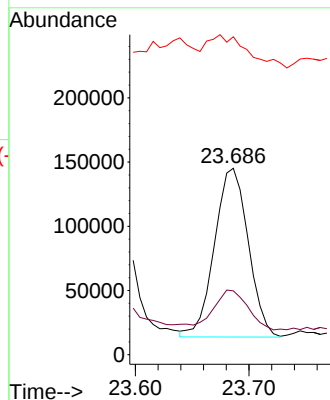
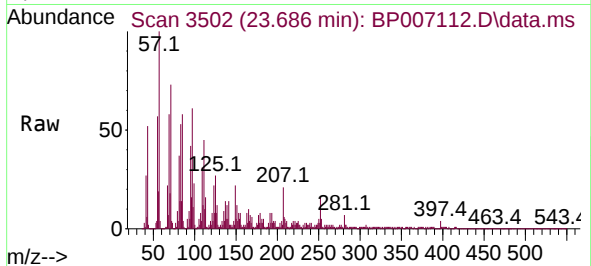




#90
Benzo(a)pyrene
Concen: 3.145 ng
RT: 23.686 min Scan# 3502
Delta R.T. 0.012 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Instrument :
BNA_P
ClientSampled :
26240

Tgt Ion:252 Resp: 271482
Ion Ratio Lower Upper
252 100
253 34.2 17.9 26.9#
125 170.5 6.5 9.7#



#92
Benzo(g,h,i)perylene
Concen: 3.219 ng
RT: 27.121 min Scan# 4086
Delta R.T. 0.030 min
Lab File: BP007112.D
Acq: 22 Sep 2021 23:09

Tgt Ion:276 Resp: 321739
Ion Ratio Lower Upper
276 100
277 29.8 18.9 28.3#
138 45.3 12.6 18.8#

