

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
 Data File : BP007345.D
 Acq On : 06 Oct 2021 02:18
 Operator : CG/JU
 Sample : M4032-01DL 4X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NB-08-100121DL

Quant Time: Oct 06 05:28:50 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 12:49:05 2021
 Response via : Initial Calibration

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

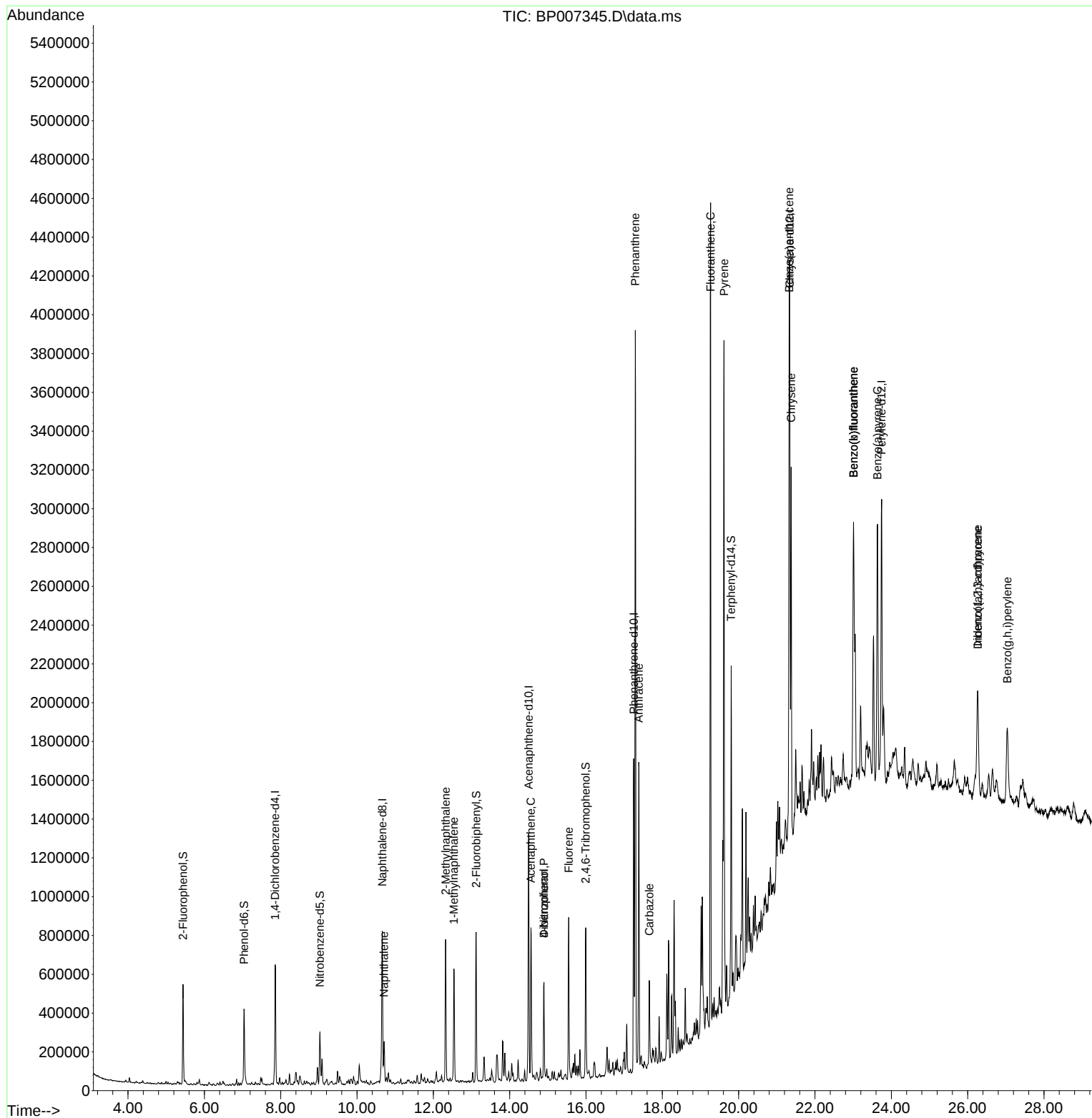
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	176142	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	697858	20.000	ng	# 0.00
39) Acenaphthene-d10	14.498	164	467513	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	1010449	20.000	ng	# 0.00
76) Chrysene-d12	21.339	240	1004792	20.000	ng	# 0.00
86) Perylene-d12	23.745	264	1073445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	238318	22.648	ng	-0.01
7) Phenol-d6	7.040	99	275568	19.161	ng	-0.01
23) Nitrobenzene-d5	9.028	82	169253	14.124	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	125249	20.664	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	440703	13.505	ng	0.00
79) Terphenyl-d14	19.804	244	734757	14.013	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.710	128	160617	4.510	ng	100
37) 2-Methylnaphthalene	12.322	142	370332	14.850	ng	97
38) 1-Methylnaphthalene	12.540	142	290441	11.919	ng	99
52) Acenaphthene	14.557	154	298833	11.888	ng	99
55) Dibenzofuran	14.898	168	332278	7.923	ng	96
56) 4-Nitrophenol	14.898	139	122122	20.255	ng	# 5
58) Fluorene	15.545	166	383290	11.830	ng	100
71) Phenanthrene	17.292	178	2343289	43.250	ng	99
72) Anthracene	17.387	178	1012875	19.111	ng	100
73) Carbazole	17.657	167	300950	5.795	ng	99
75) Fluoranthene	19.263	202	2479679	39.725	ng	98
78) Pyrene	19.616	202	2152316	32.649	ng	99
81) Benzo(a)anthracene	21.322	228	1245461	19.096	ng	97
83) Chrysene	21.375	228	1038732	16.664	ng	95
87) Indeno(1,2,3-cd)pyrene	26.263	276	569053	7.377	ng	99
88) Benzo(b)fluoranthene	23.010	252	1257116	19.596	ng	# 95
89) Benzo(k)fluoranthene	23.010	252	1257116	19.355	ng	# 95
90) Benzo(a)pyrene	23.639	252	995033	18.257	ng	# 96
91) Dibenzo(a,h)anthracene	26.268	278	168873	2.612	ng	# 75
92) Benzo(g,h,i)perylene	27.039	276	535721	8.491	ng	# 93

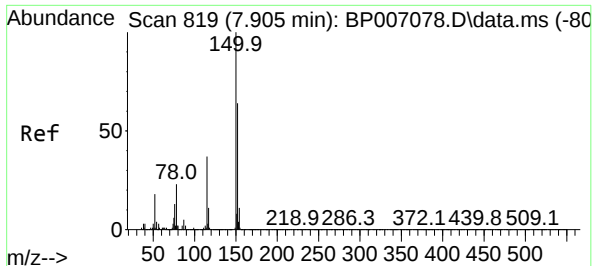
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 QLast Update : Fri Oct 01 12:49:05 2021
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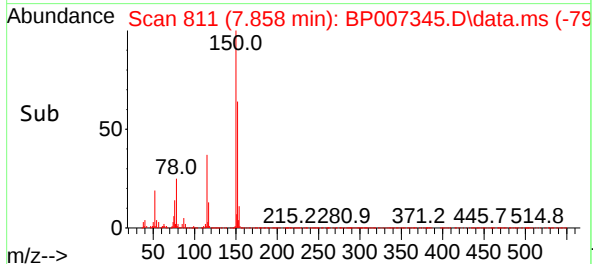
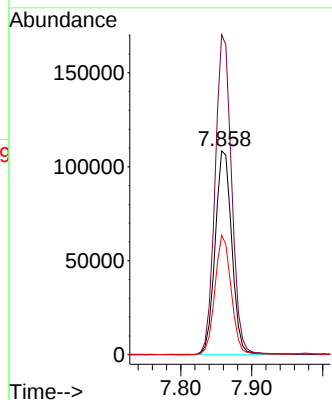
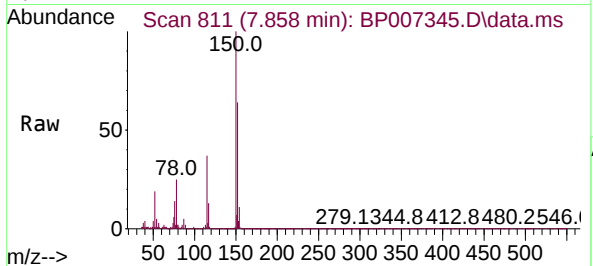




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 811
Delta R.T. -0.005 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

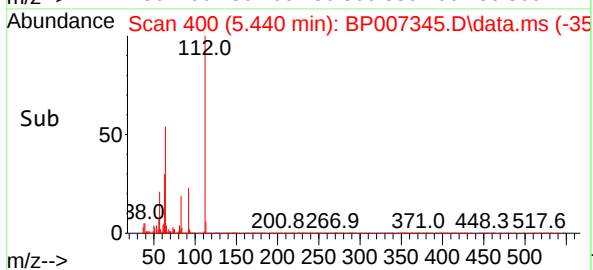
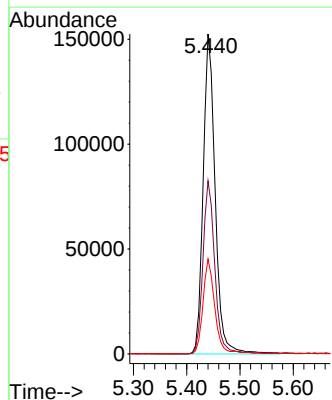
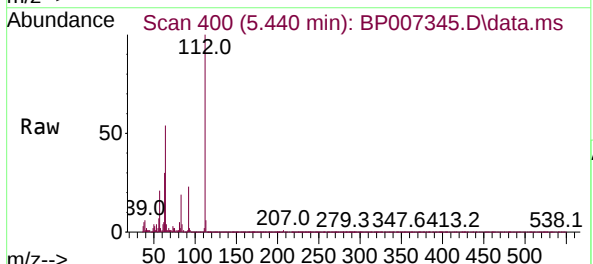
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

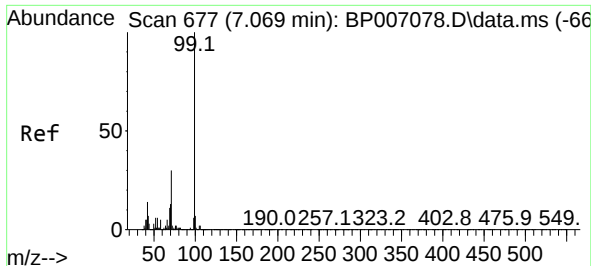
Tgt Ion:152 Resp: 176142
Ion Ratio Lower Upper
152 100
150 157.0 125.6 188.4
115 58.7 48.5 72.7



#5
2-Fluorophenol
Concen: 22.648 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.011 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:112 Resp: 238318
Ion Ratio Lower Upper
112 100
64 54.1 41.4 62.2
63 29.7 23.8 35.8

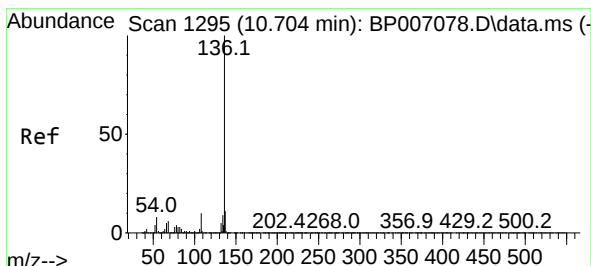
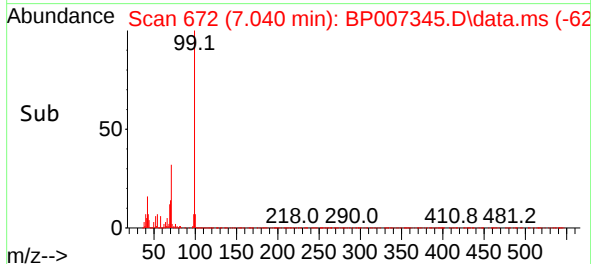
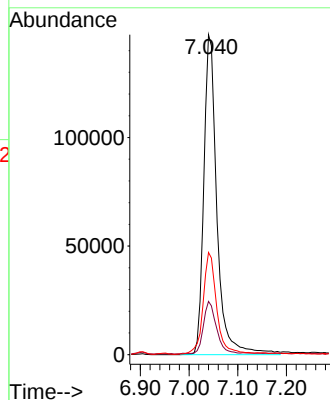
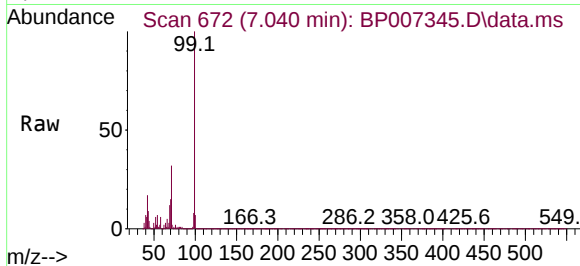




#7
Phenol-d6
Concen: 19.161 ng
RT: 7.040 min Scan# 672
Delta R.T. -0.011 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

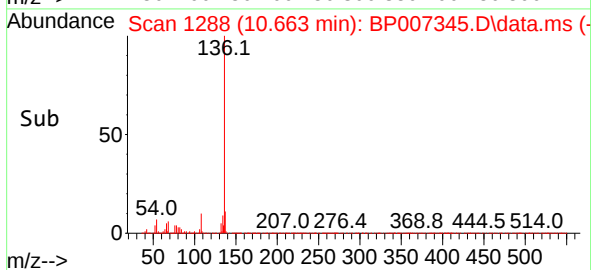
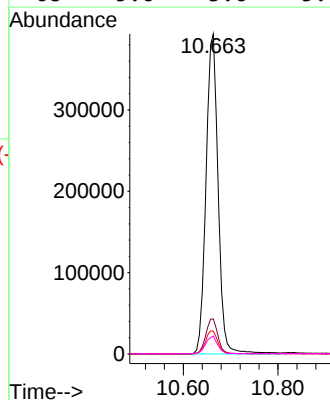
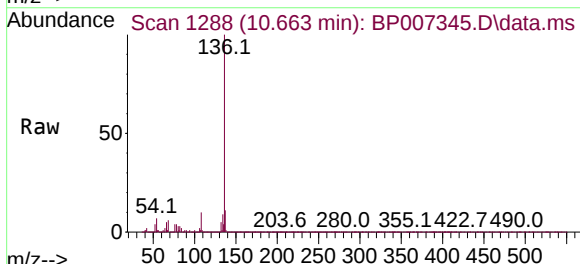
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

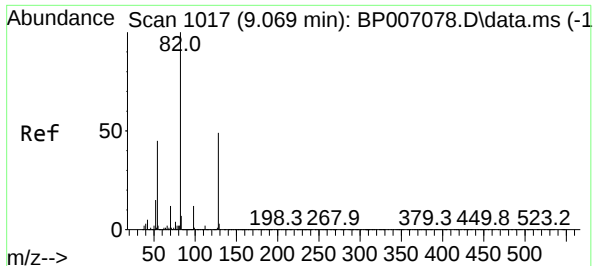
Tgt Ion: 99 Resp: 275568
Ion Ratio Lower Upper
99 100
42 16.7 13.4 20.0
71 32.0 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion: 136 Resp: 697858
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.1 4.6 6.8#
68 5.6 3.6 5.4#

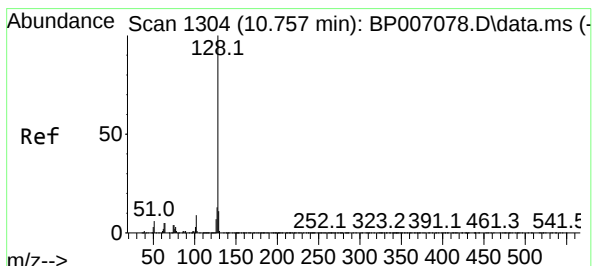
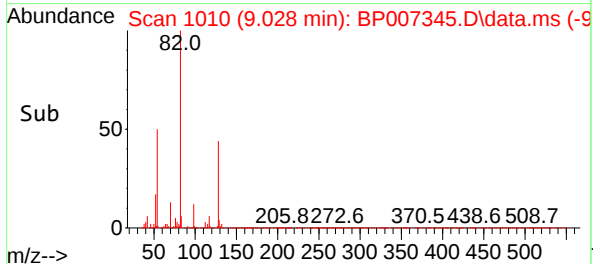
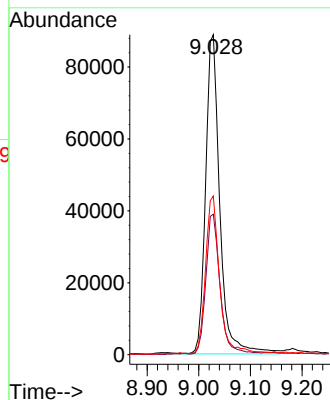
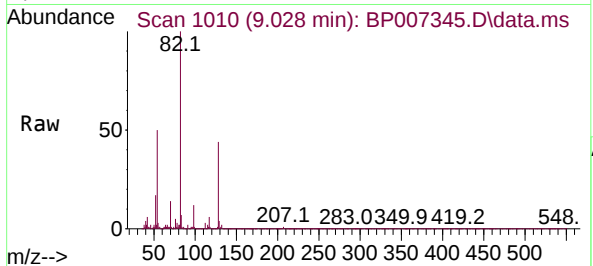




#23
Nitrobenzene-d5
Concen: 14.124 ng
RT: 9.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

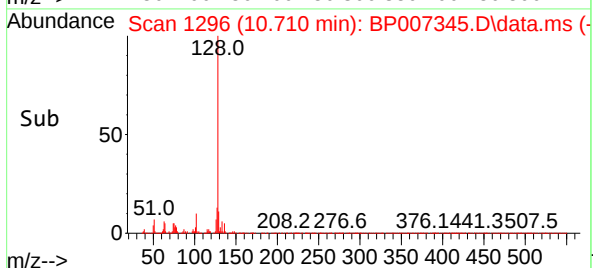
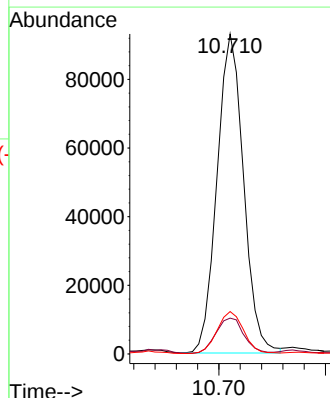
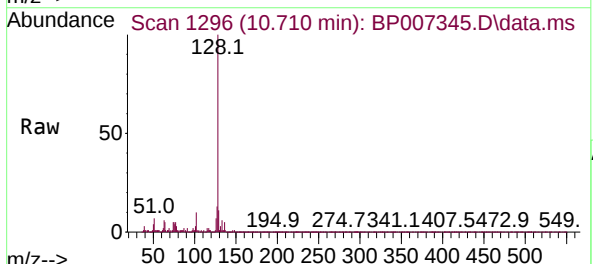
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

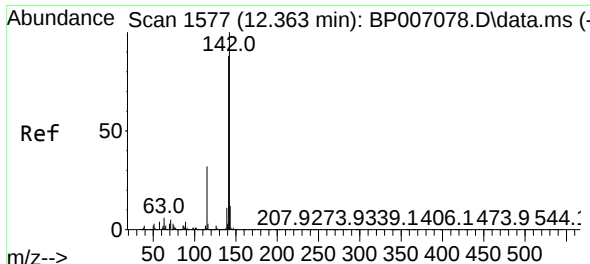
Tgt Ion: 82 Resp: 169253
Ion Ratio Lower Upper
82 100
128 43.9 35.7 53.5
54 49.6 35.0 52.4



#31
Naphthalene
Concen: 4.510 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:128 Resp: 160617
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.3 10.7 16.1

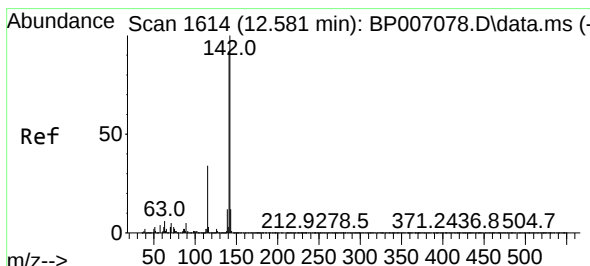
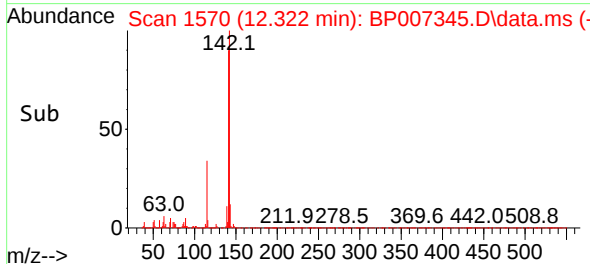
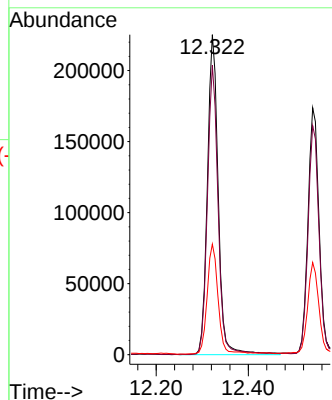
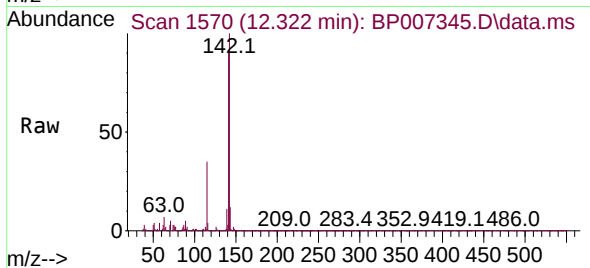




#37
2-Methylnaphthalene
Concen: 14.850 ng
RT: 12.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

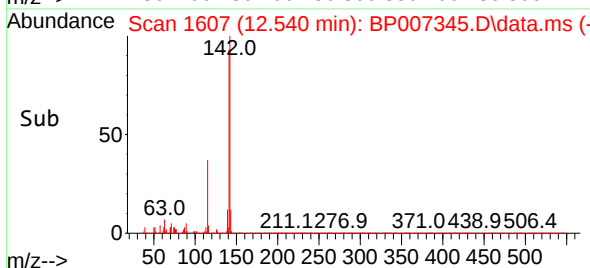
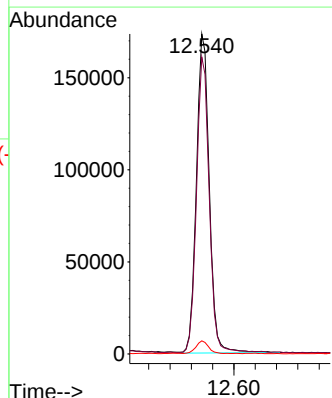
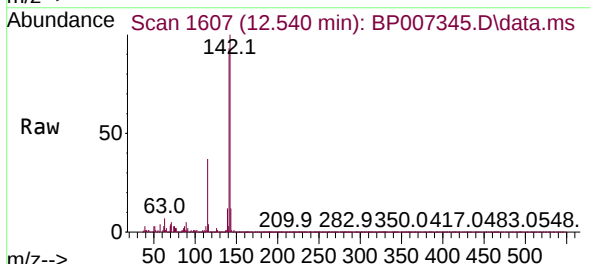
Instrument :
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ClientSampleId :
NB-08-100121DL

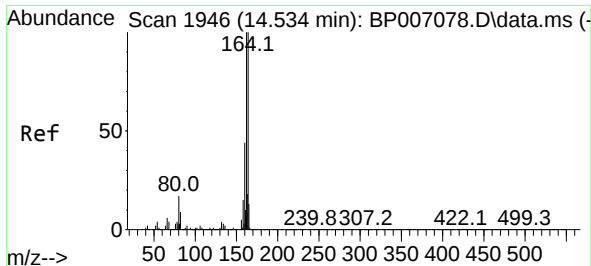
Tgt Ion:142 Resp: 370332
Ion Ratio Lower Upper
142 100
141 90.5 71.8 107.6
115 34.5 31.6 47.4



#38
1-Methylnaphthalene
Concen: 11.919 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:142 Resp: 290441
Ion Ratio Lower Upper
142 100
141 92.7 73.3 109.9
116 4.1 3.5 5.3

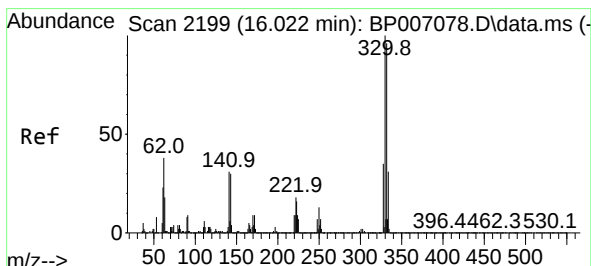
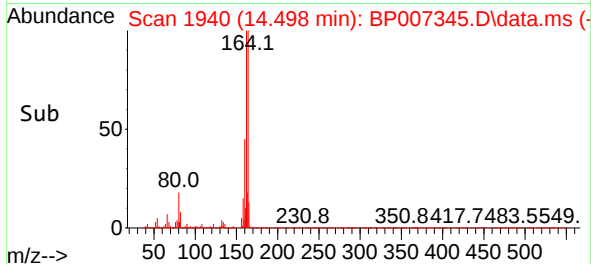
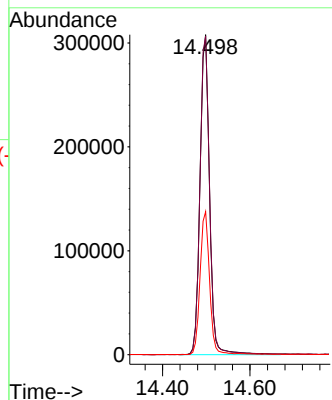
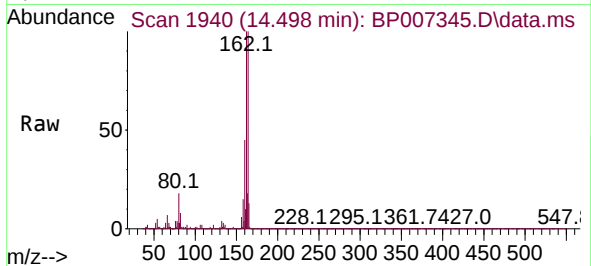




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

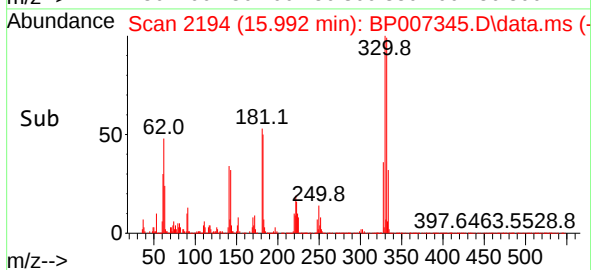
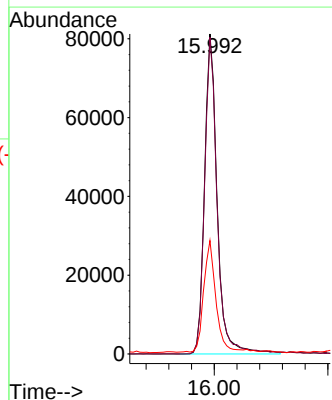
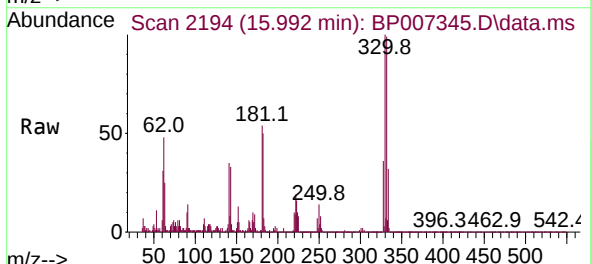
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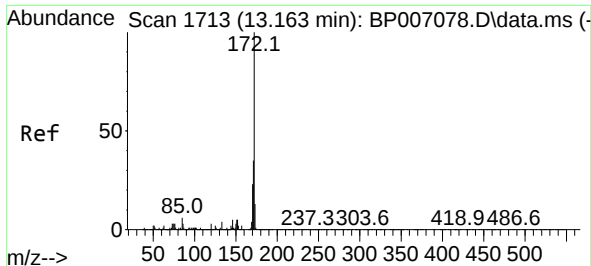
Tgt Ion:164 Resp: 467513
Ion Ratio Lower Upper
164 100
162 99.6 80.2 120.2
160 44.7 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 20.664 ng
RT: 15.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:330 Resp: 125249
Ion Ratio Lower Upper
330 100
332 98.1 77.8 116.8
141 34.1 25.4 38.2

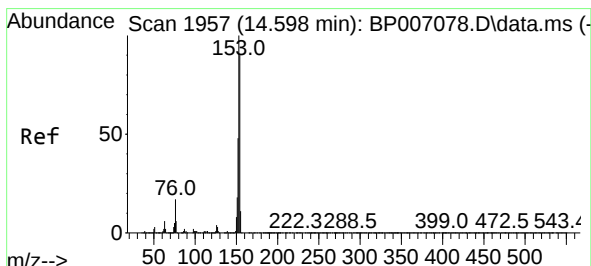
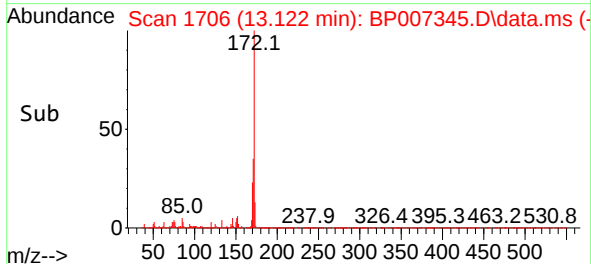
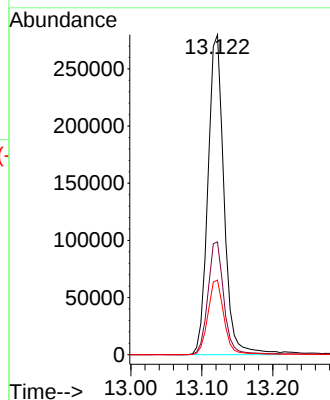
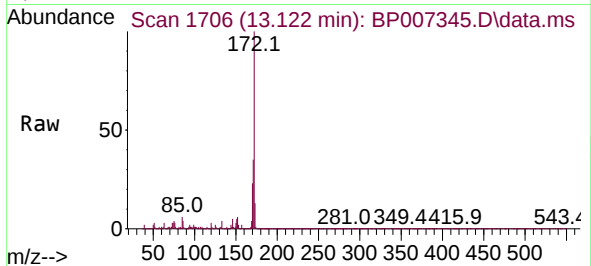




#45
2-Fluorobiphenyl
Concen: 13.505 ng
RT: 13.122 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

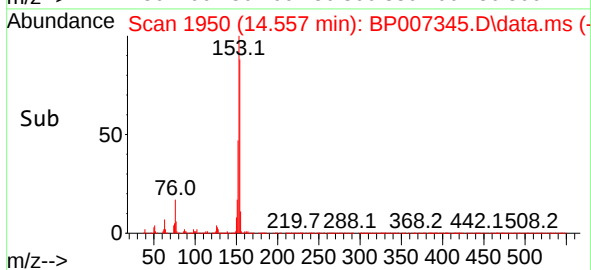
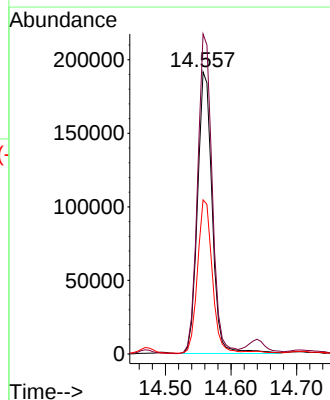
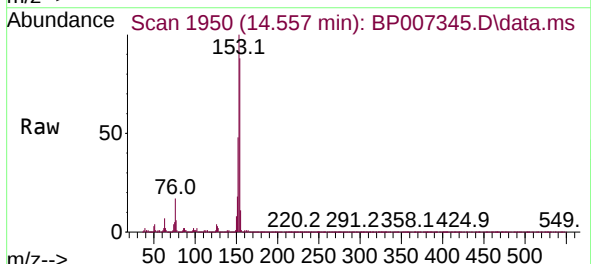
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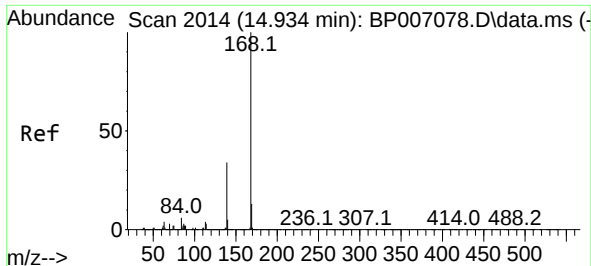
Tgt Ion:172	Resp: 440703
Ion Ratio	Lower Upper
172	100
171	35.3 27.9 41.9
170	23.3 18.6 27.8



#52
Acenaphthene
Concen: 11.888 ng
RT: 14.557 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:154	Resp: 298833
Ion Ratio	Lower Upper
154	100
153	113.5 89.4 134.2
152	54.6 43.0 64.4

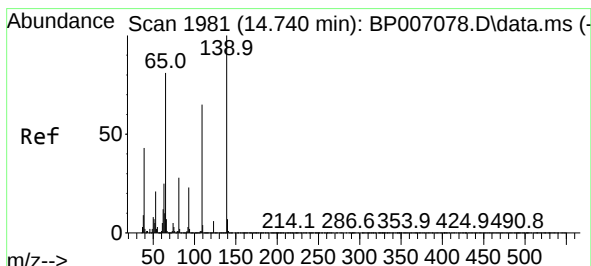
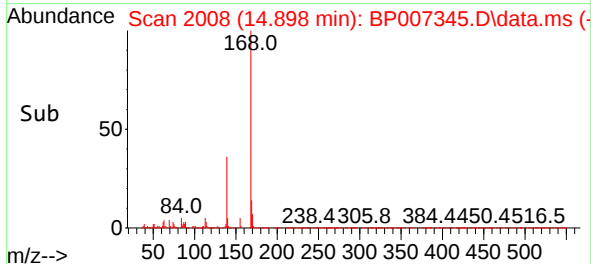
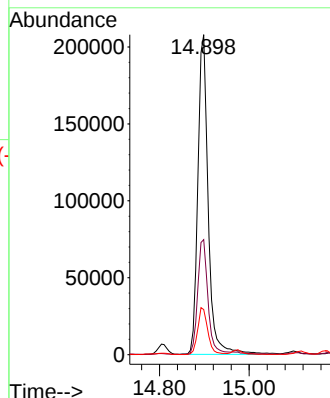
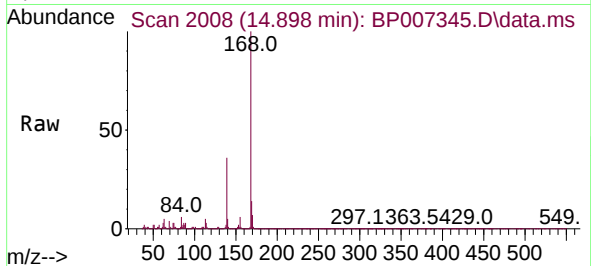




#55
Dibenzenofuran
Concen: 7.923 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

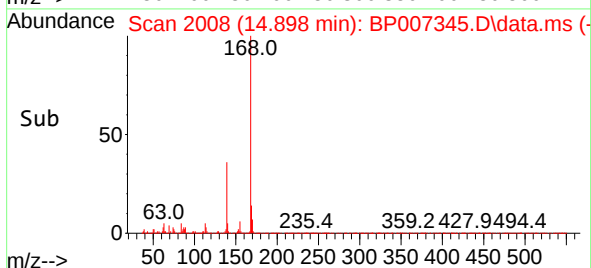
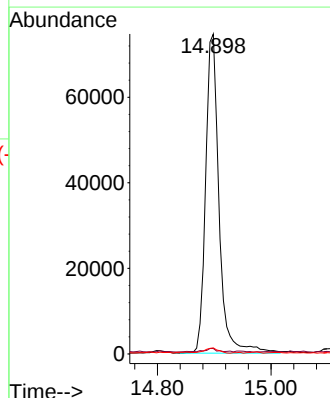
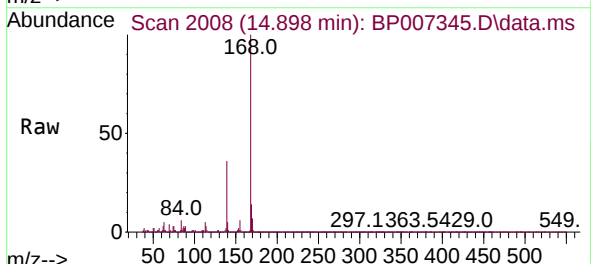
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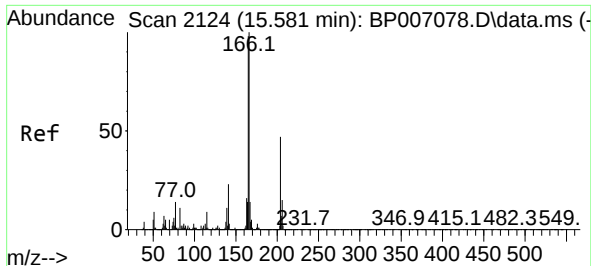
Tgt Ion:168 Resp: 332278
Ion Ratio Lower Upper
168 100
139 36.0 31.0 46.6
169 14.1 10.8 16.2



#56
4-Nitrophenol
Concen: 20.255 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.159 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:139 Resp: 122122
Ion Ratio Lower Upper
139 100
109 1.7 72.3 112.3#
65 1.9 72.5 112.5#

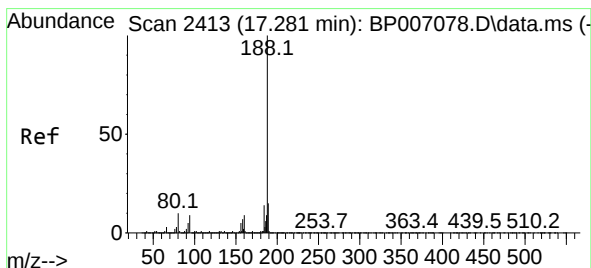
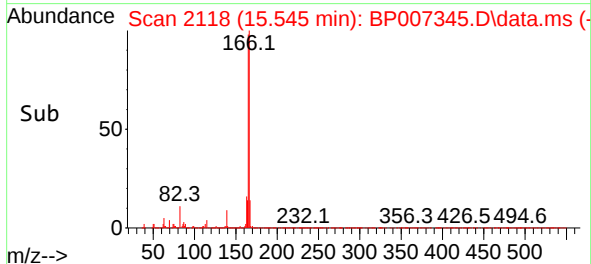
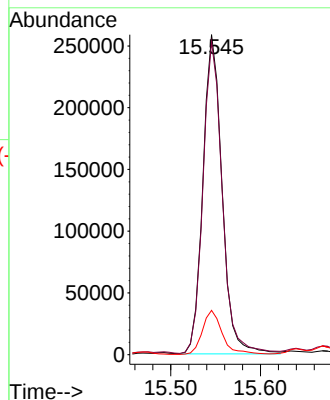
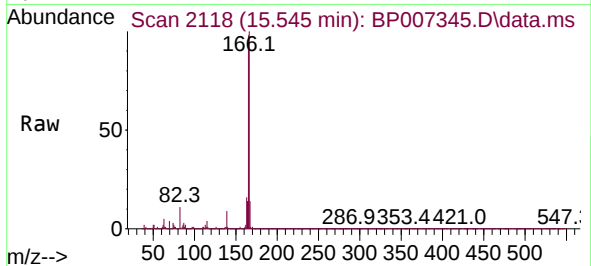




#58
Fluorene
Concen: 11.830 ng
RT: 15.545 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

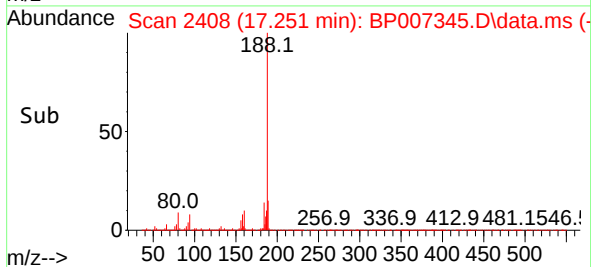
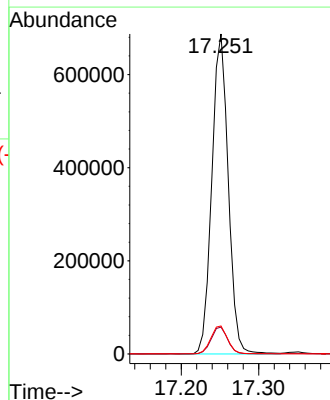
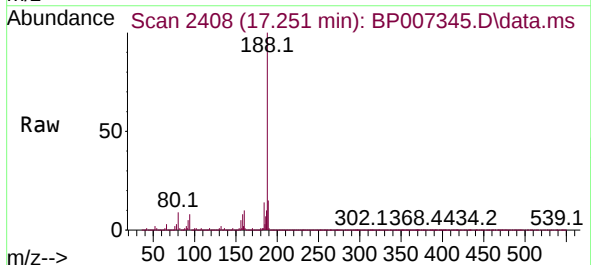
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

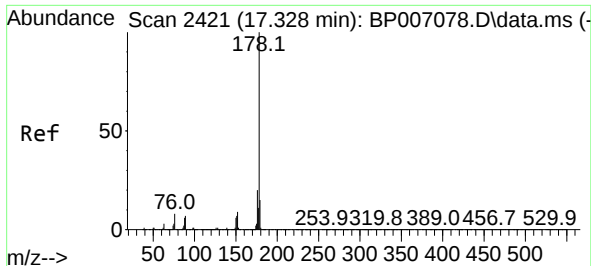
Tgt Ion:166 Resp: 383290
Ion Ratio Lower Upper
166 100
165 97.8 78.0 117.0
167 13.8 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:188 Resp: 1010449
Ion Ratio Lower Upper
188 100
94 8.4 5.6 8.4#
80 8.7 6.3 9.5

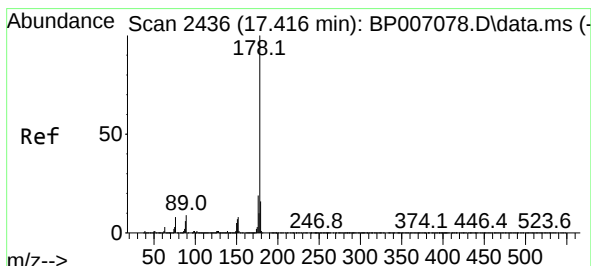
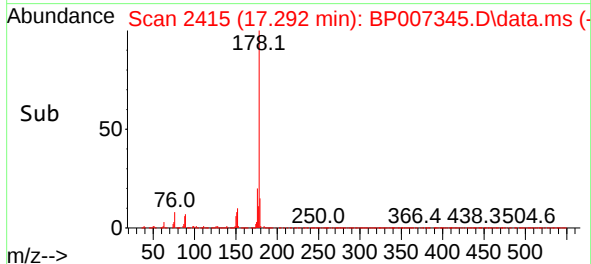
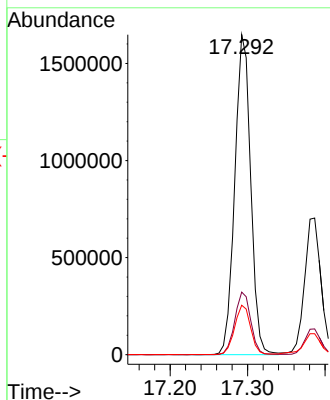
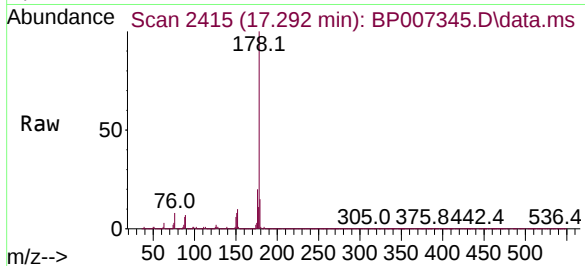




#71
Phenanthrene
Concen: 43.250 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

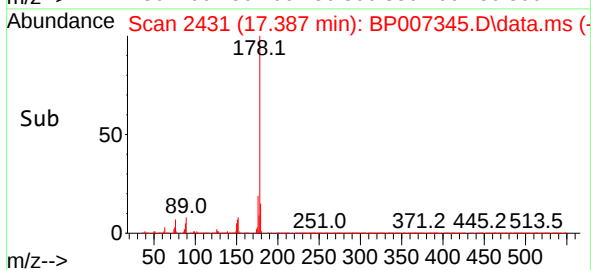
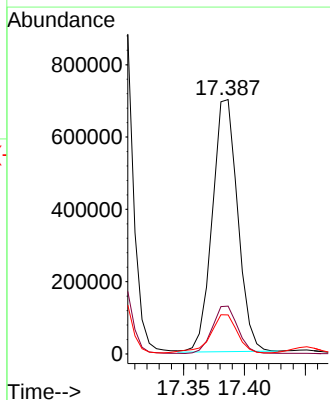
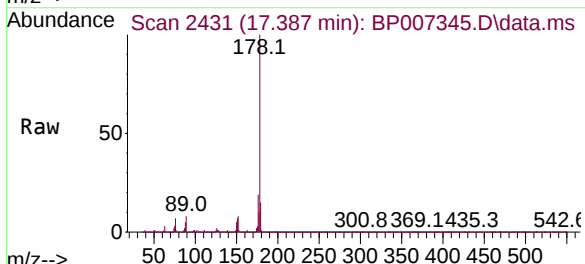
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

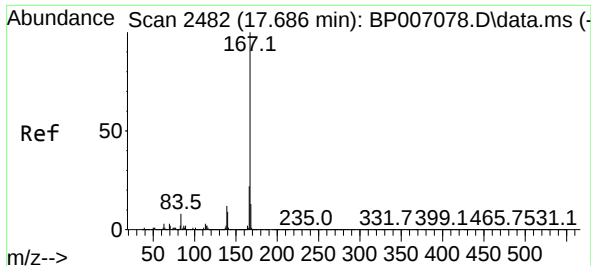
Tgt Ion:178 Resp: 2343289
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.4 12.4 18.6



#72
Anthracene
Concen: 19.111 ng
RT: 17.387 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:178 Resp: 1012875
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.3 12.2 18.2

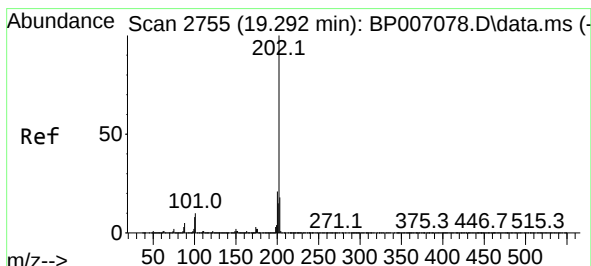
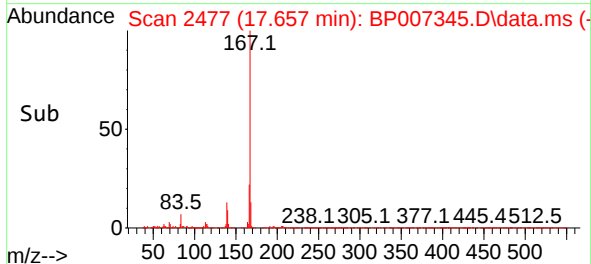
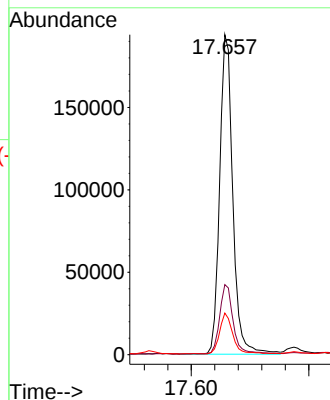
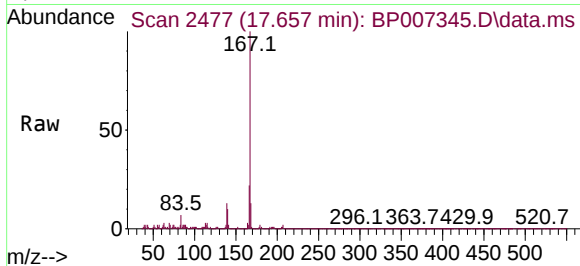




#73
 Carbazole
 Concen: 5.795 ng
 RT: 17.657 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BP007345.D
 Acq: 06 Oct 2021 02:18

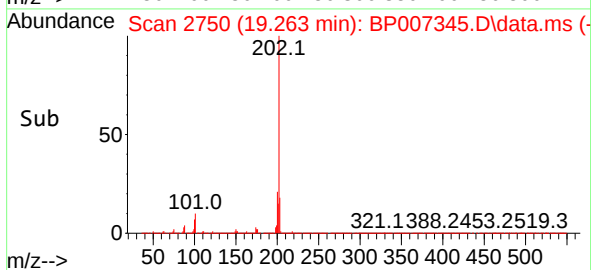
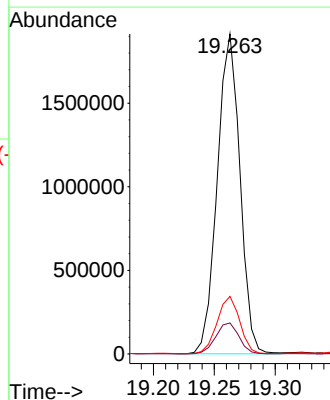
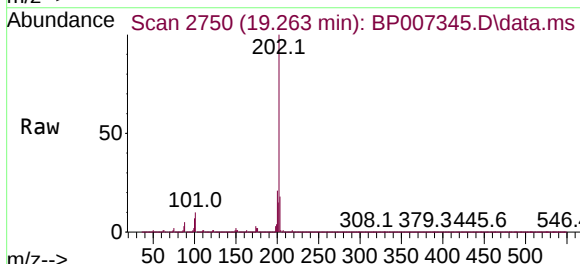
Instrument :
 BNA_P
 ClientSampleId :
 NB-08-100121DL

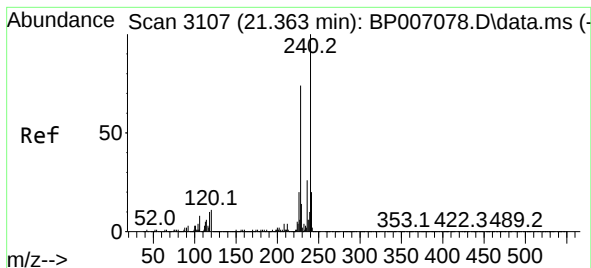
Tgt Ion:167	Resp:	300950
Ion Ratio	Lower	Upper
167	100	
166	21.9	17.1 25.7
139	13.0	10.7 16.1



#75
 Fluoranthene
 Concen: 39.725 ng
 RT: 19.263 min Scan# 2750
 Delta R.T. 0.000 min
 Lab File: BP007345.D
 Acq: 06 Oct 2021 02:18

Tgt Ion:202	Resp:	2479679
Ion Ratio	Lower	Upper
202	100	
101	9.7	0.0 27.6
203	18.0	0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.339 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BP007345.D

Acq: 06 Oct 2021 02:18

Instrument :

BNA_P

ClientSampleId :

NB-08-100121DL

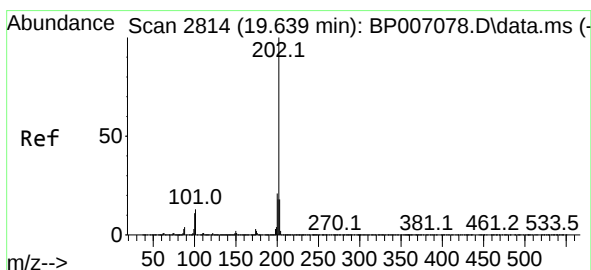
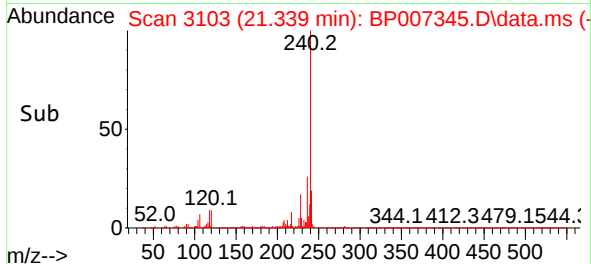
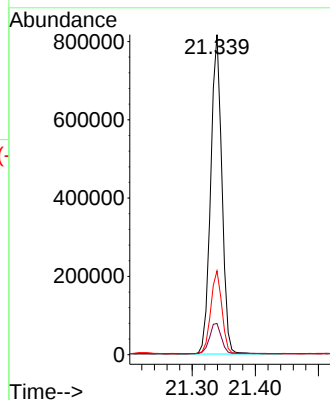
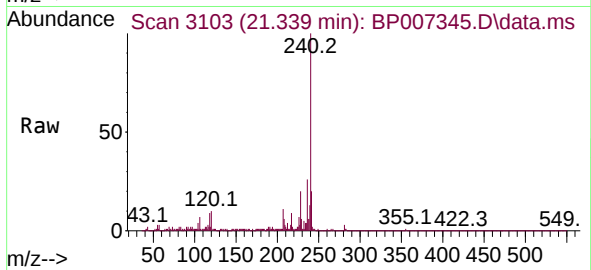
Tgt Ion:240 Resp: 1004792

Ion Ratio Lower Upper

240 100

120 9.8 6.5 9.7#

236 26.2 20.6 31.0



#78

Pyrene

Concen: 32.649 ng

RT: 19.616 min Scan# 2810

Delta R.T. 0.000 min

Lab File: BP007345.D

Acq: 06 Oct 2021 02:18

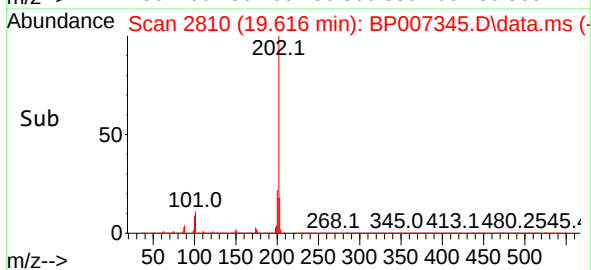
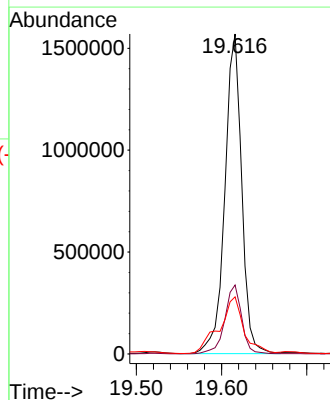
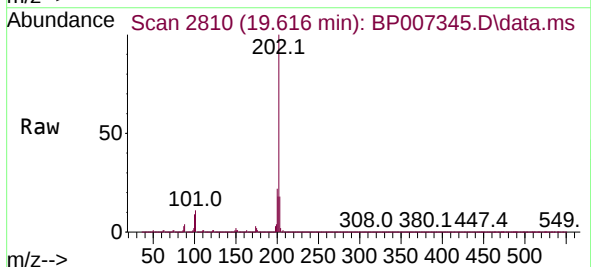
Tgt Ion:202 Resp: 2152316

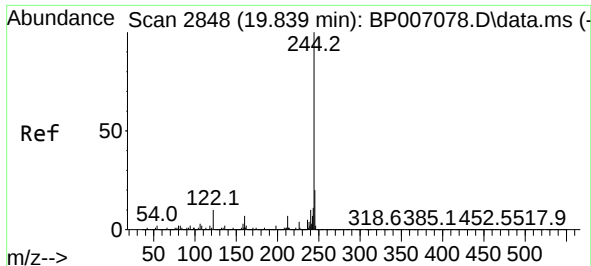
Ion Ratio Lower Upper

202 100

200 21.5 16.3 24.5

203 17.9 14.2 21.2

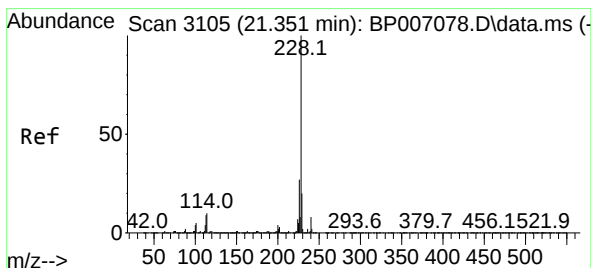
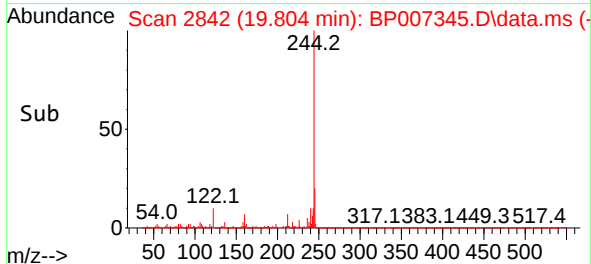
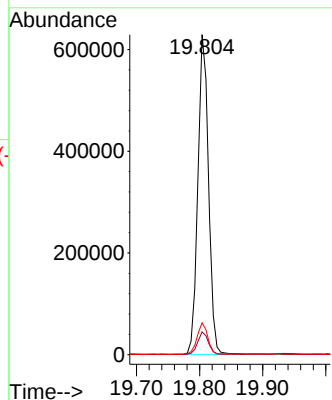
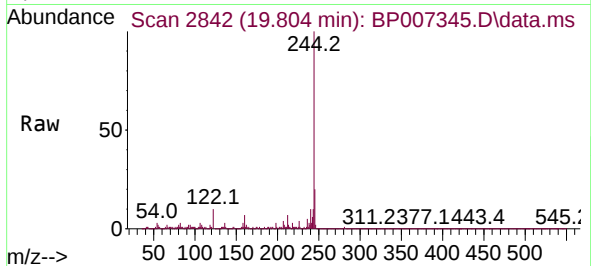




#79
Terphenyl-d14
Concen: 14.013 ng
RT: 19.804 min Scan# 2842
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

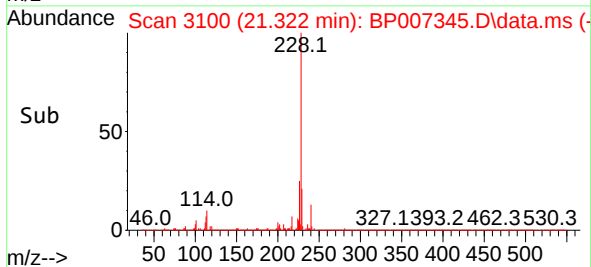
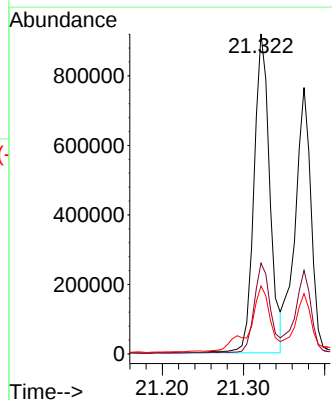
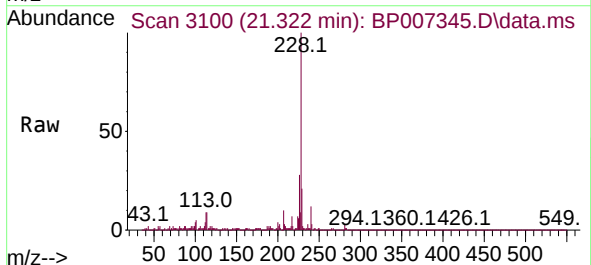
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

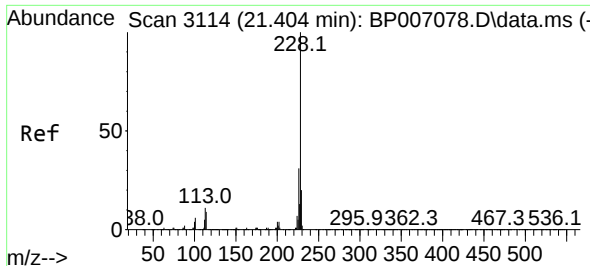
Tgt Ion:244 Resp: 734757
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.9 7.1 10.7



#81
Benzo(a)anthracene
Concen: 19.096 ng
RT: 21.322 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:228 Resp: 1245461
Ion Ratio Lower Upper
228 100
226 28.4 21.6 32.4
229 21.2 15.8 23.6

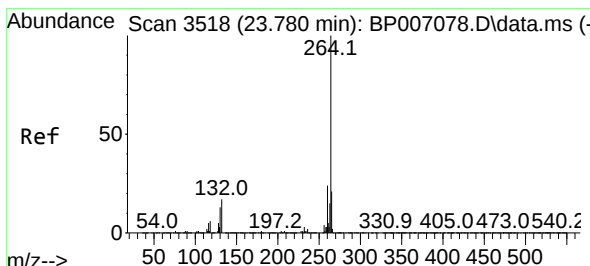
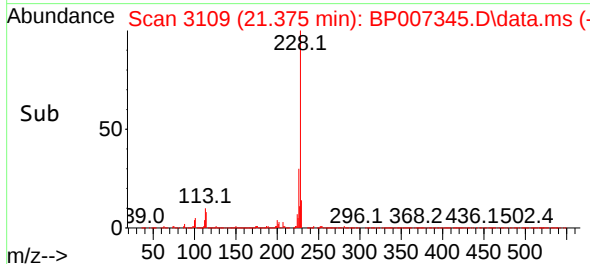
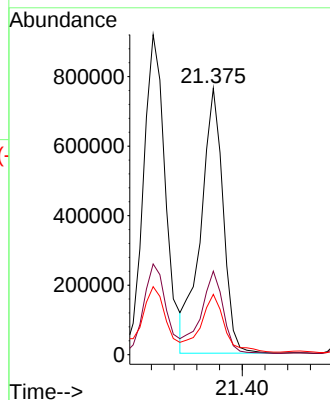
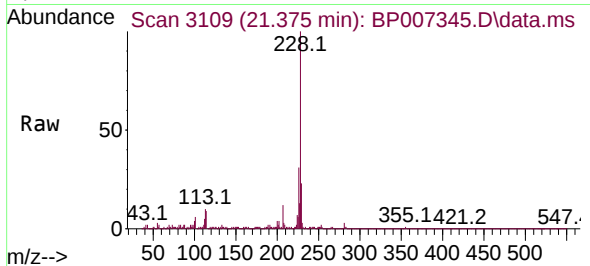




#83
Chrysene
Concen: 16.664 ng
RT: 21.375 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

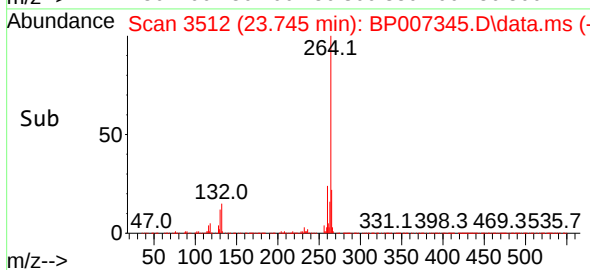
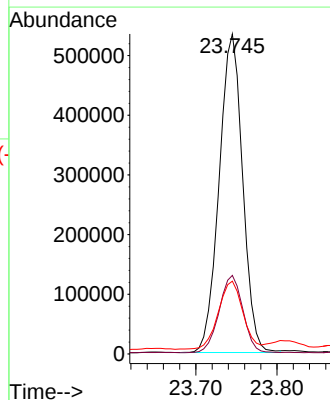
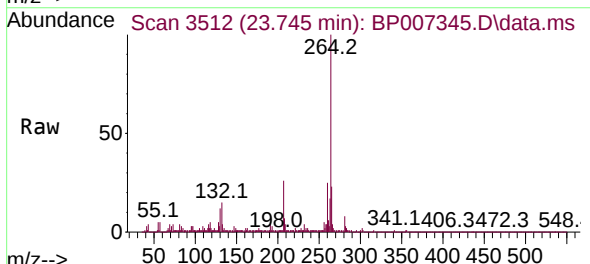
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

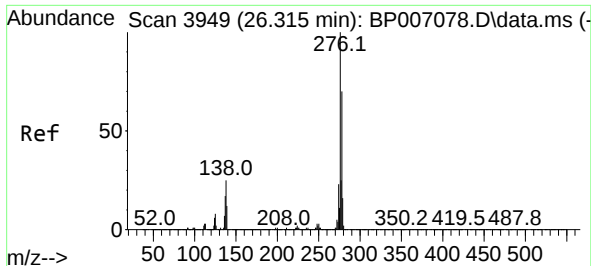
Tgt Ion:228 Resp: 1038732
Ion Ratio Lower Upper
228 100
226 31.3 23.8 35.6
229 22.7 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 3512
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:264 Resp: 1073445
Ion Ratio Lower Upper
264 100
260 24.6 18.6 28.0
265 22.8 17.6 26.4

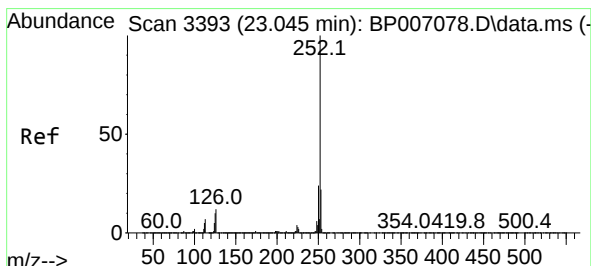
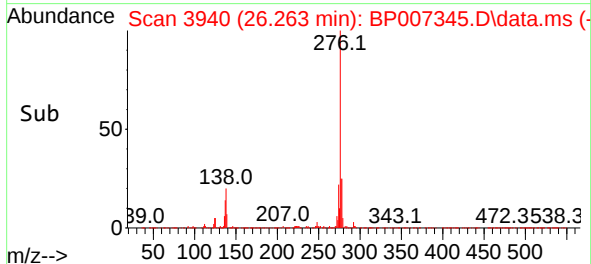
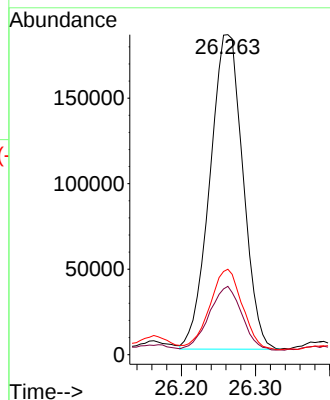
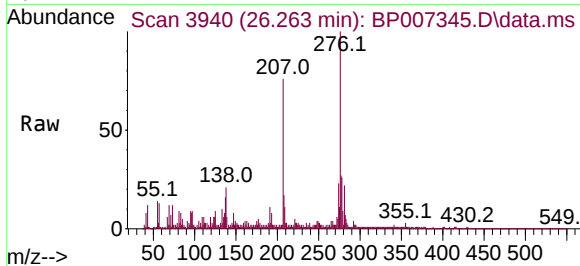




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.377 ng
RT: 26.263 min Scan# 3940
Delta R.T. -0.006 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

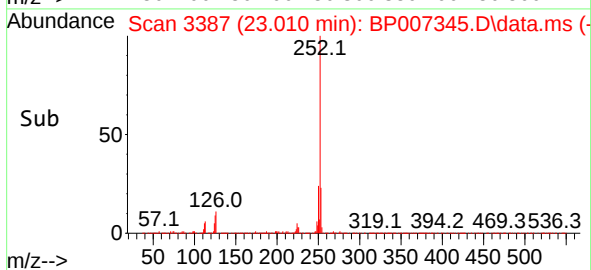
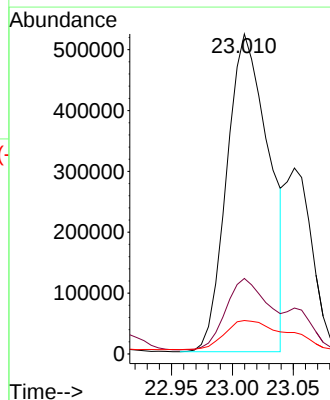
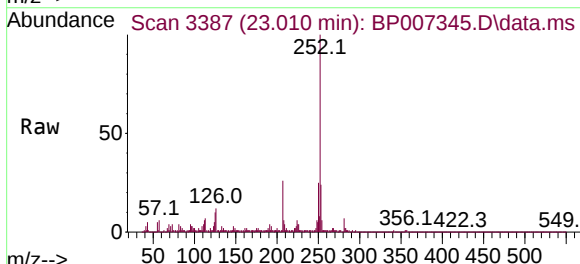
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

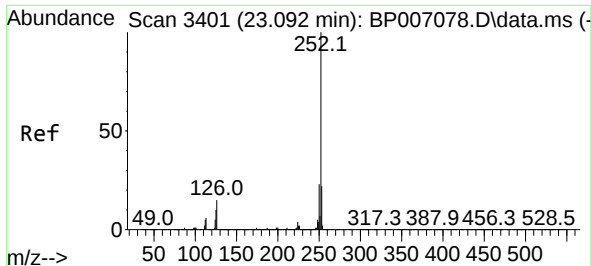
Tgt Ion:	276	Resp:	569053
Ion Ratio	Lower	Upper	
276	100		
138	20.2	15.3	22.9
277	25.2	20.4	30.6



#88
Benzo(b)fluoranthene
Concen: 19.596 ng
RT: 23.010 min Scan# 3387
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:	252	Resp:	1257116
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	10.5	6.2	9.4#

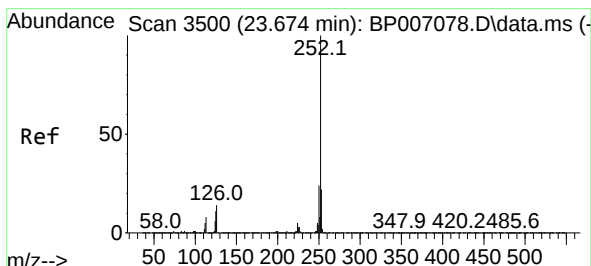
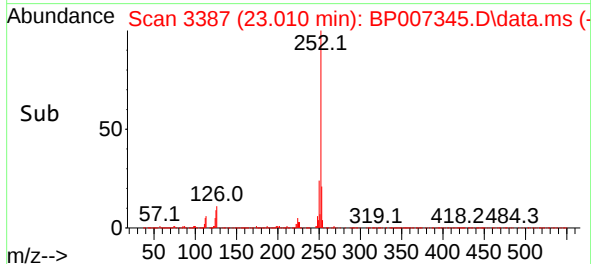
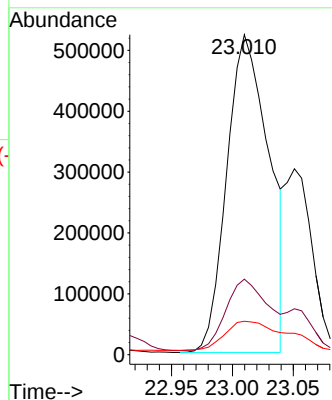
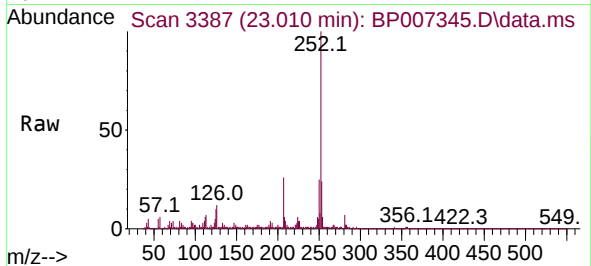




#89
Benzo(k)fluoranthene
Concen: 19.355 ng
RT: 23.010 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

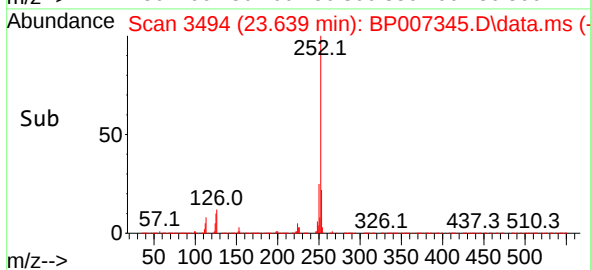
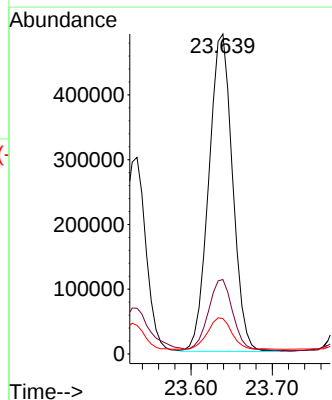
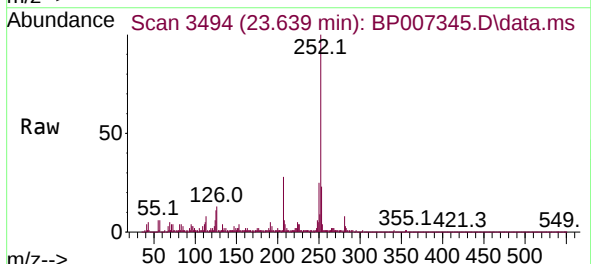
Instrument :
BNA_P
ClientSampleId :
NB-08-100121DL

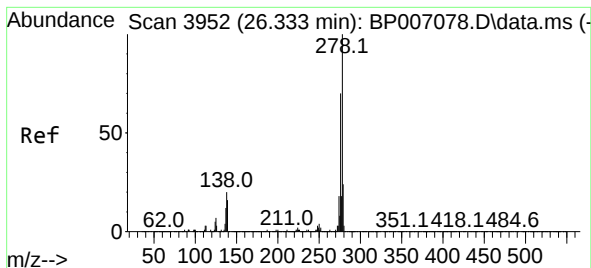
Tgt Ion:252 Resp: 1257116
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 10.5 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 18.257 ng
RT: 23.639 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BP007345.D
Acq: 06 Oct 2021 02:18

Tgt Ion:252 Resp: 995033
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 11.1 6.5 9.7#





#91

Dibenzo(a,h)anthracene

Concen: 2.612 ng

RT: 26.268 min Scan# 3941

Delta R.T. -0.011 min

Lab File: BP007345.D

Acq: 06 Oct 2021 02:18

Instrument :

BNA_P

ClientSampleId :

NB-08-100121DL

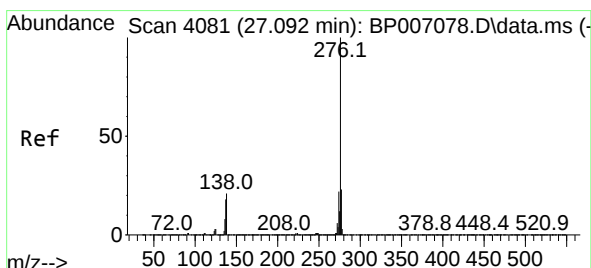
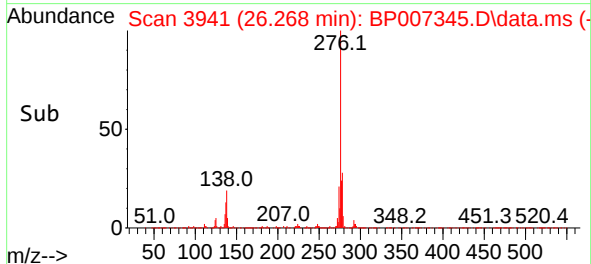
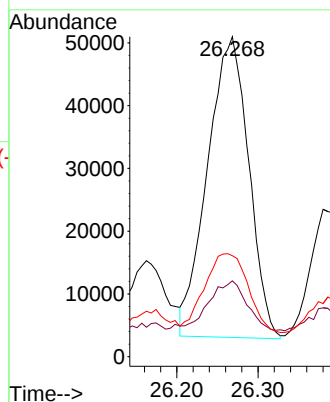
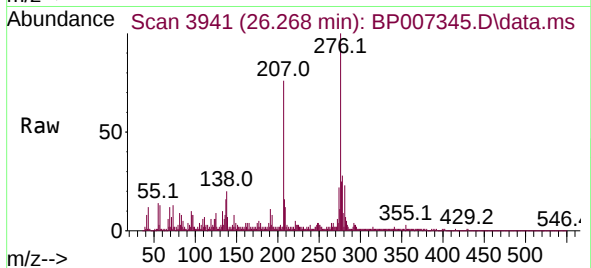
Tgt Ion:278 Resp: 168873

Ion Ratio Lower Upper

278 100

139 27.9 9.3 13.9#

279 31.6 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 8.491 ng

RT: 27.039 min Scan# 4072

Delta R.T. -0.006 min

Lab File: BP007345.D

Acq: 06 Oct 2021 02:18

Tgt Ion:276 Resp: 535721

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 22.0 12.6 18.8#

