

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
 Data File : BP007940.D
 Acq On : 11 Nov 2021 02:44
 Operator : CG/JU
 Sample : M4602-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 R-LA-5/6-WC

Quant Time: Nov 11 10:21:51 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 09 10:45:24 2021
 Response via : Initial Calibration

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

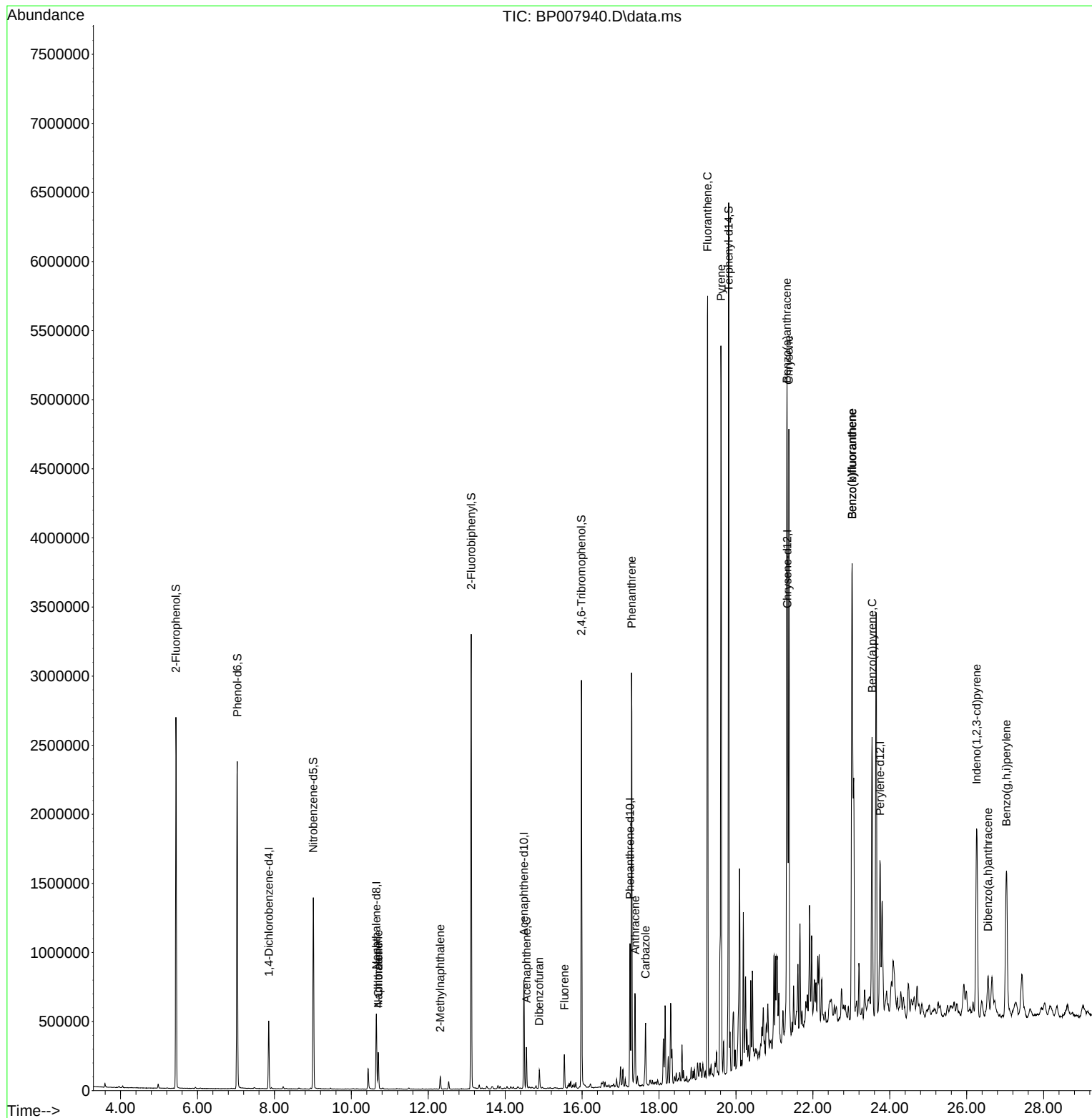
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	130904	20.000	ng	-0.01
21) Naphthalene-d8	10.652	136	433396	20.000	ng	-0.01
39) Acenaphthene-d10	14.487	164	277547	20.000	ng	-0.02
64) Phenanthrene-d10	17.245	188	620202	20.000	ng	#-0.01
76) Chrysene-d12	21.339	240	772841	20.000	ng	#-0.01
86) Perylene-d12	23.745	264	908066	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1126915	145.998	ng	0.00
7) Phenol-d6	7.034	99	1334194	119.423	ng	0.00
23) Nitrobenzene-d5	9.010	82	773783	95.907	ng	-0.02
42) 2,4,6-Tribromophenol	15.981	330	601238	151.790	ng	-0.02
45) 2-Fluorobiphenyl	13.116	172	1690616	88.706	ng	-0.01
79) Terphenyl-d14	19.810	244	2872231	75.678	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	143	Below Cal	#	1
31) Naphthalene	10.699	128	213917	9.757	ng	98
33) 4-Chloroaniline	10.699	127	28658	2.968	ng	# 32
37) 2-Methylnaphthalene	12.310	142	41171	2.546	ng	96
52) Acenaphthene	14.551	154	106000	7.176	ng	98
55) Dibenzofuran	14.887	168	82906	3.318	ng	98
58) Fluorene	15.540	166	106873	5.639	ng	99
71) Phenanthrene	17.286	178	1800548	55.225	ng	100
72) Anthracene	17.381	178	380852	11.870	ng	100
73) Carbazole	17.651	167	277278	8.694	ng	98
75) Fluoranthene	19.263	202	3489856	84.852	ng	96
78) Pyrene	19.610	202	3375022	71.201	ng	99
81) Benzo(a)anthracene	21.322	228	2281318	44.806	ng	99
83) Chrysene	21.374	228	2531095	52.512	ng	97
87) Indeno(1,2,3-cd)pyrene	26.257	276	1486858	21.967	ng	# 92
88) Benzo(b)fluoranthene	23.021	252	3395070	63.426	ng	# 96
89) Benzo(k)fluoranthene	23.021	252	3395070	63.905	ng	# 96
90) Benzo(a)pyrene	23.539	252	1601603	34.555	ng	99
91) Dibenzo(a,h)anthracene	26.557	278	275303	4.907	ng	93
92) Benzo(g,h,i)perylene	27.033	276	1489314	26.760	ng	96

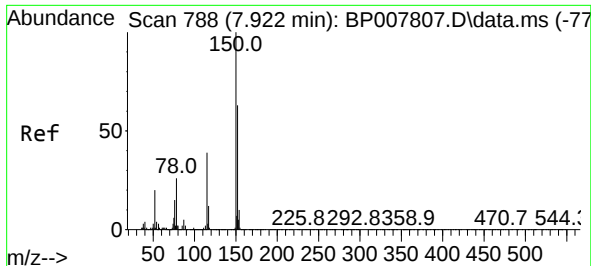
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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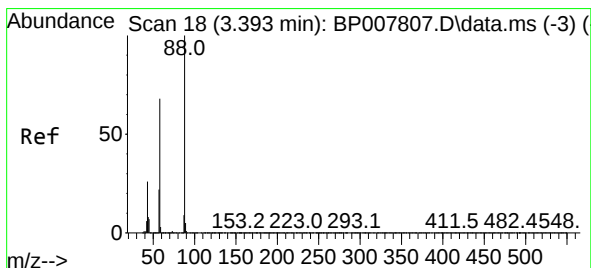
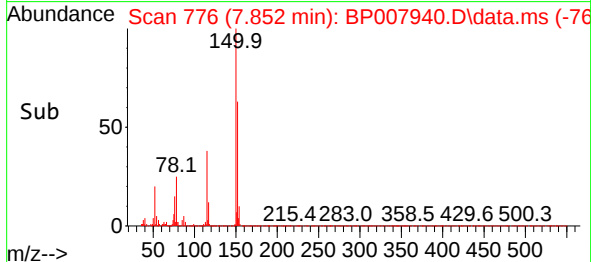
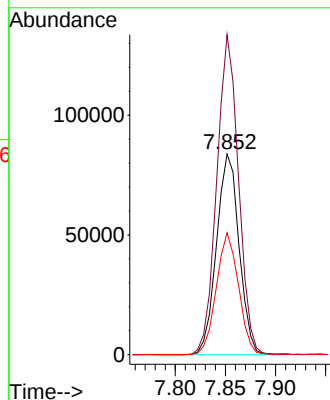
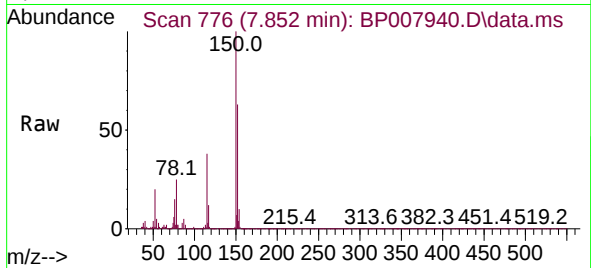




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 71
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

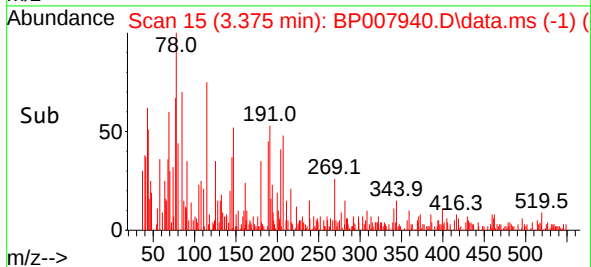
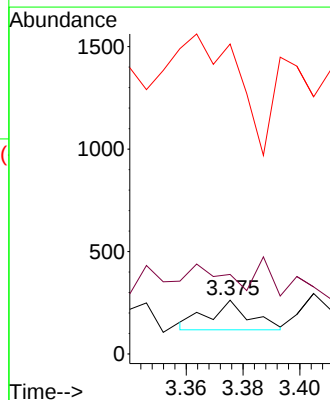
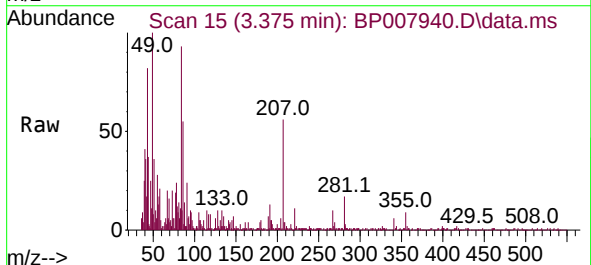
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

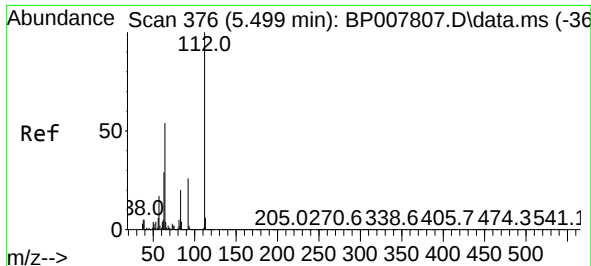
Tgt Ion:152 Resp: 130904
Ion Ratio Lower Upper
152 100
150 159.5 124.1 186.1
115 60.8 48.1 72.1



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.375 min Scan# 15
Delta R.T. 0.023 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
58 68.5 58.1 87.1
43 695.8 22.2 33.4#

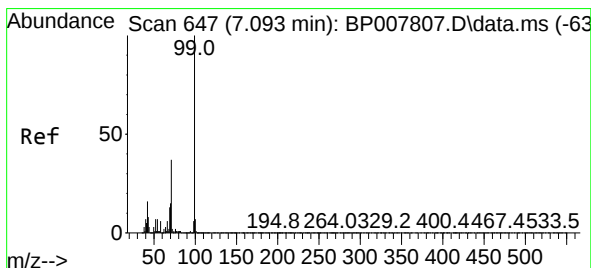
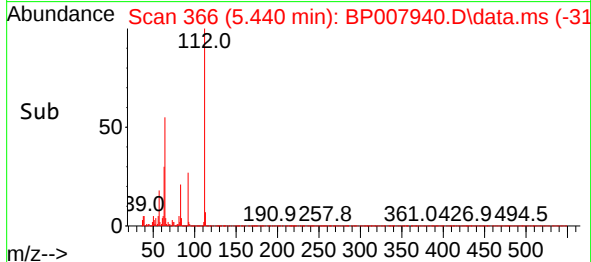
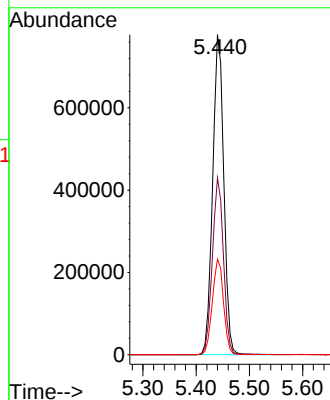
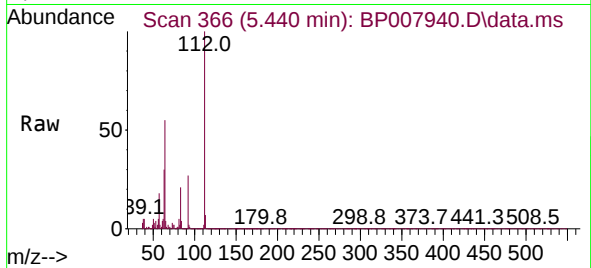




#5
2-Fluorophenol
Concen: 145.998 ng
RT: 5.440 min Scan# 30
Delta R.T. -0.006 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

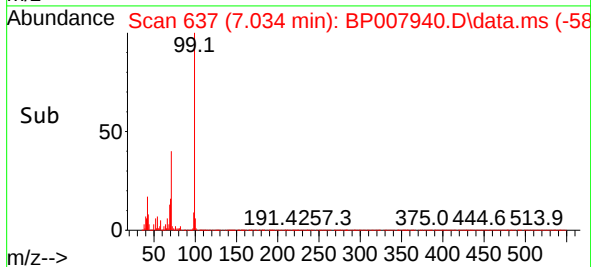
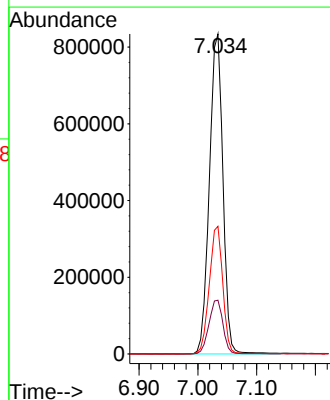
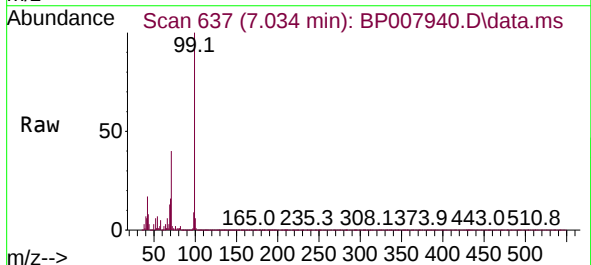
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

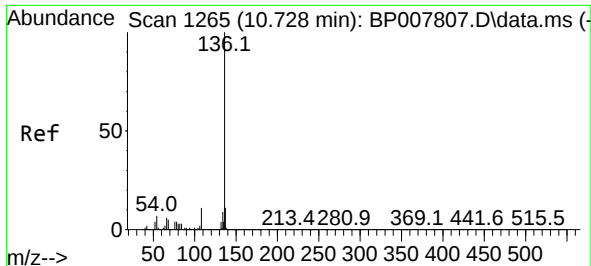
Tgt Ion:112 Resp: 1126915
Ion Ratio Lower Upper
112 100
64 55.3 46.6 70.0
63 29.9 25.0 37.6



#7
Phenol-d6
Concen: 119.423 ng
RT: 7.034 min Scan# 637
Delta R.T. -0.006 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion: 99 Resp: 1334194
Ion Ratio Lower Upper
99 100
42 16.8 14.9 22.3
71 39.9 29.2 43.8

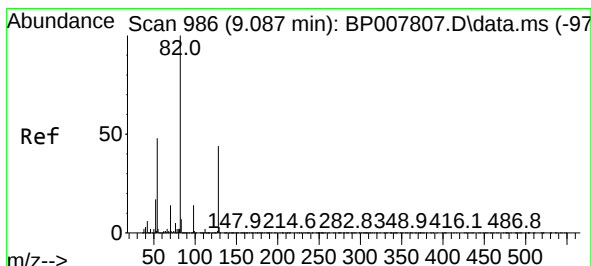
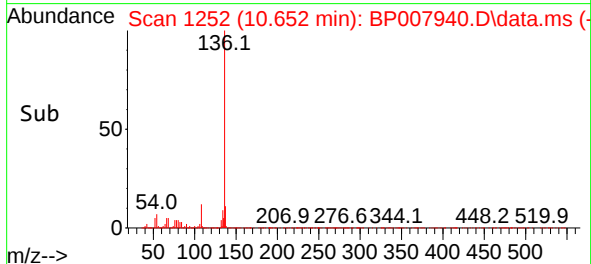
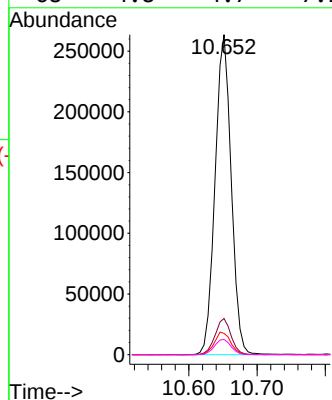
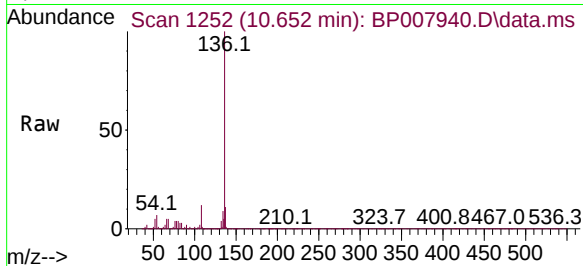




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

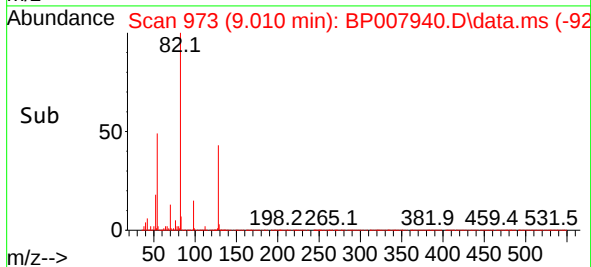
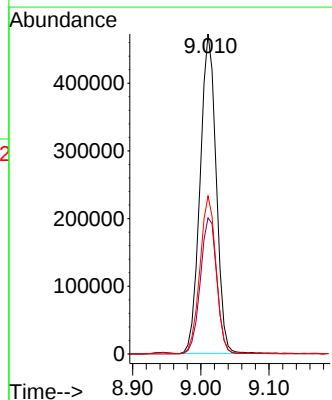
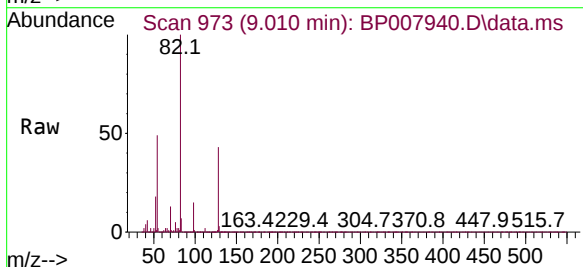
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

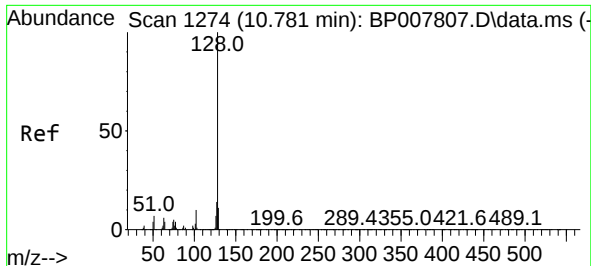
Tgt Ion:	136	Resp:	433396
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	6.6	6.2	9.4
68	4.8	4.7	7.1



#23
Nitrobenzene-d5
Concen: 95.907 ng
RT: 9.010 min Scan# 973
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:	82	Resp:	773783
Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.6	48.8
54	49.3	40.4	60.6

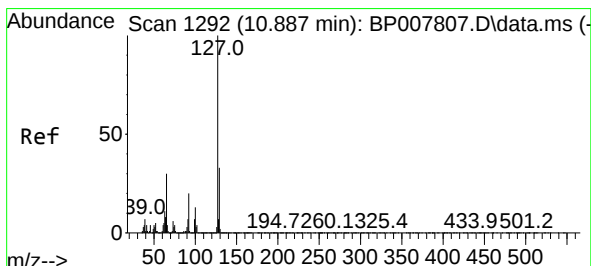
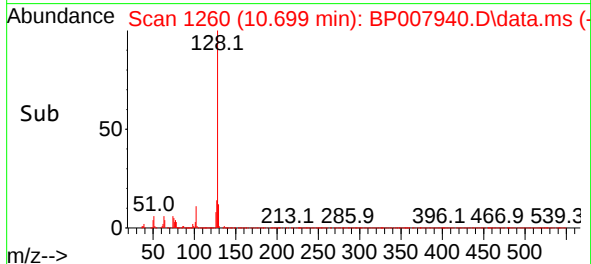
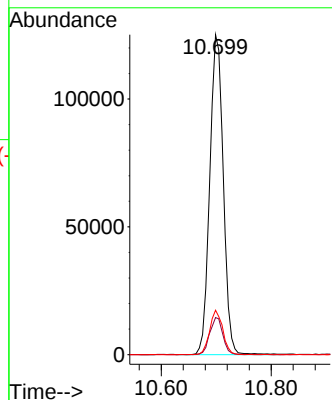
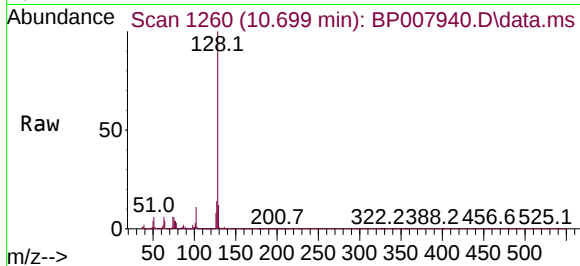




#31
Naphthalene
Concen: 9.757 ng
RT: 10.699 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

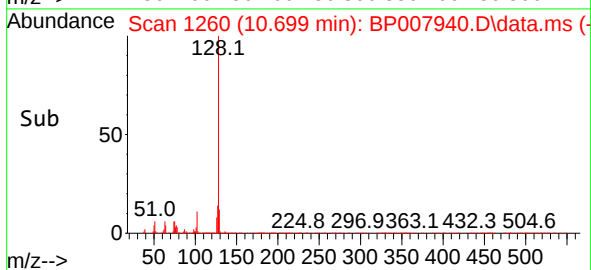
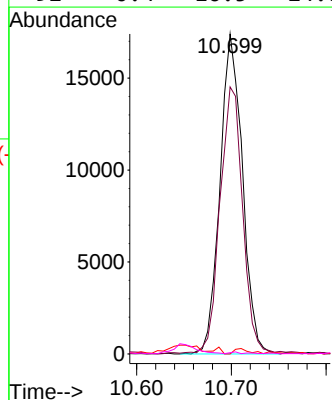
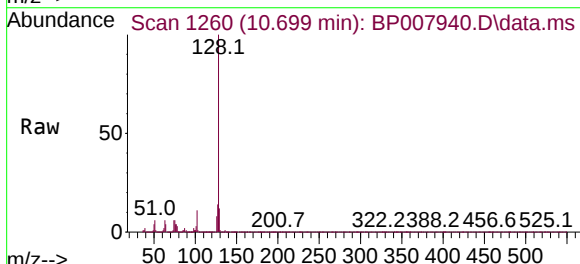
Instrument :
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ClientSampleId :
R-LA-5/6-WC

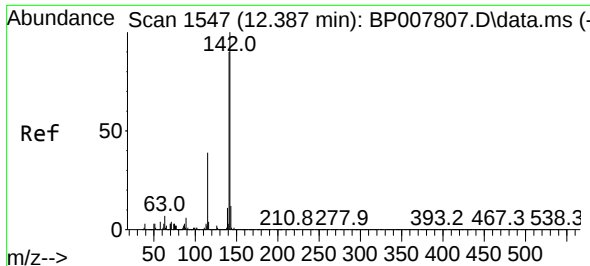
Tgt Ion:128 Resp: 213917
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.9 10.2 15.4



#33
4-Chloroaniline
Concen: 2.968 ng
RT: 10.699 min Scan# 1260
Delta R.T. -0.124 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:127 Resp: 28658
Ion Ratio Lower Upper
127 100
129 83.4 25.1 37.7#
65 0.0 25.5 38.3#
92 0.4 16.5 24.7#

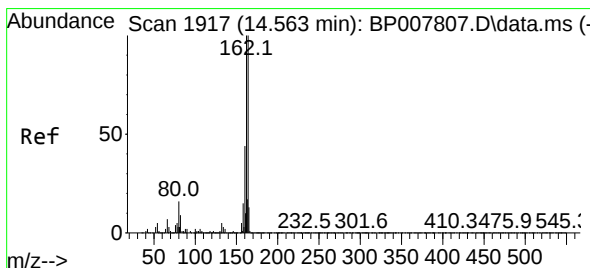
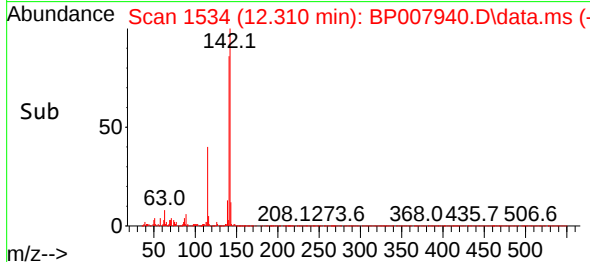
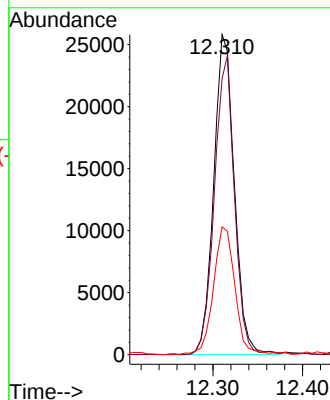
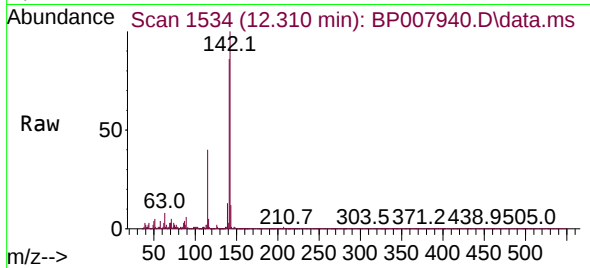




#37
2-Methylnaphthalene
Concen: 2.546 ng
RT: 12.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

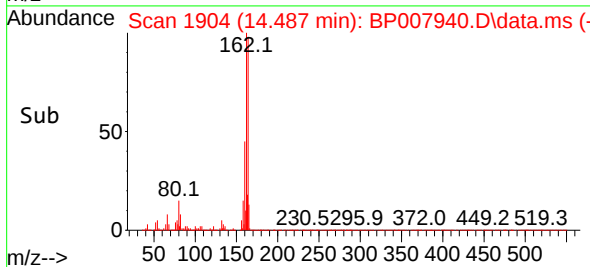
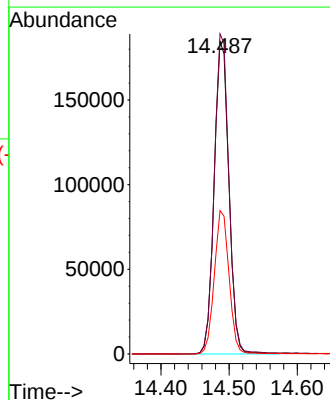
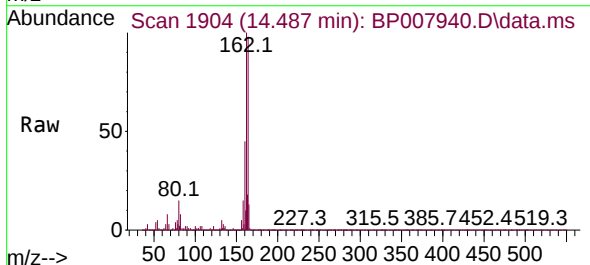
Instrument :
BNA_P
ClientSampleId :
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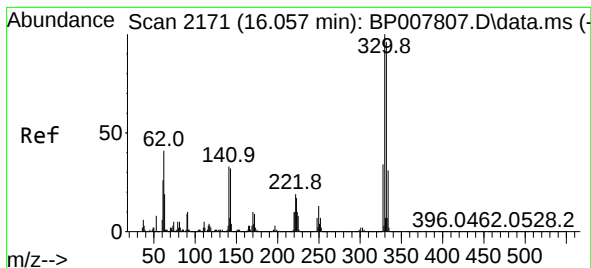
Tgt Ion:142 Resp: 41171
Ion Ratio Lower Upper
142 100
141 86.4 71.4 107.0
115 39.9 29.5 44.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:164 Resp: 277547
Ion Ratio Lower Upper
164 100
162 102.4 81.1 121.7
160 45.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 151.790 ng

RT: 15.981 min Scan# 2171

Delta R.T. -0.018 min

Lab File: BP007940.D

Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

R-LA-5/6-WC

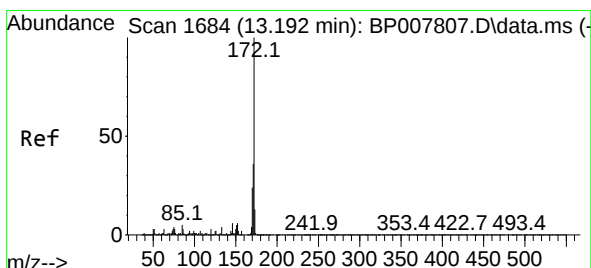
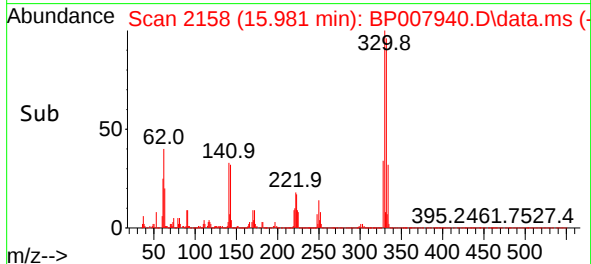
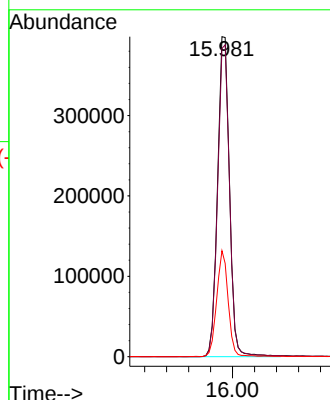
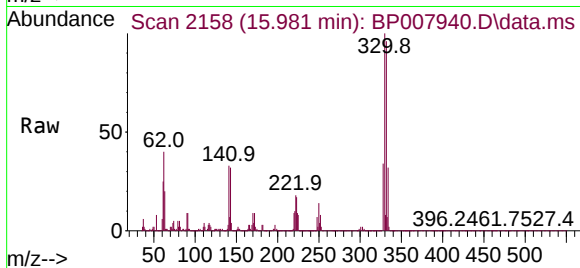
Tgt Ion:330 Resp: 601238

Ion Ratio Lower Upper

330 100

332 97.8 78.9 118.3

141 31.7 30.7 46.1



#45

2-Fluorobiphenyl

Concen: 88.706 ng

RT: 13.116 min Scan# 1671

Delta R.T. -0.012 min

Lab File: BP007940.D

Acq: 11 Nov 2021 02:44

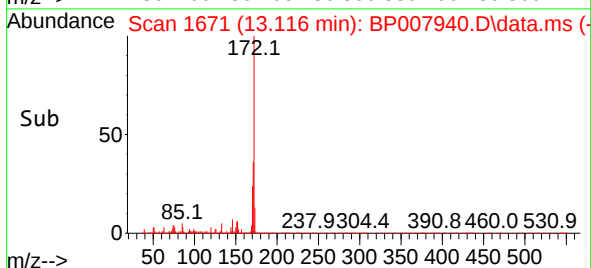
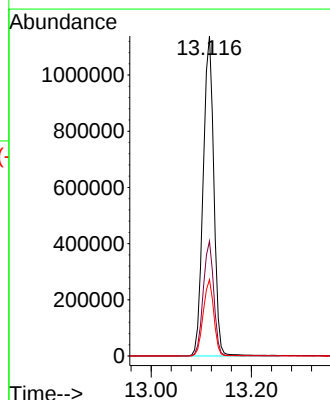
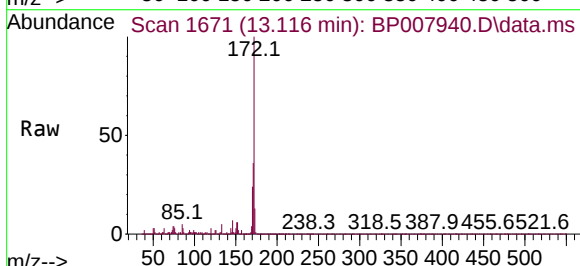
Tgt Ion:172 Resp: 1690616

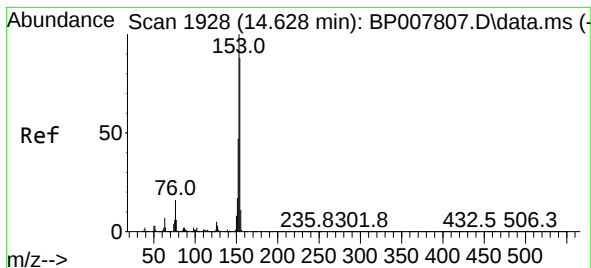
Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.2

170 23.8 19.0 28.4





#52

Acenaphthene

Concen: 7.176 ng

RT: 14.551 min Scan# 1915

Delta R.T. -0.018 min

Lab File: BP007940.D

Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

R-LA-5/6-WC

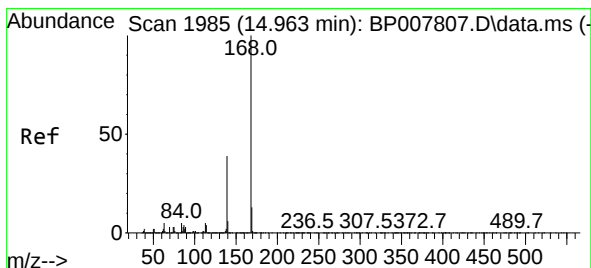
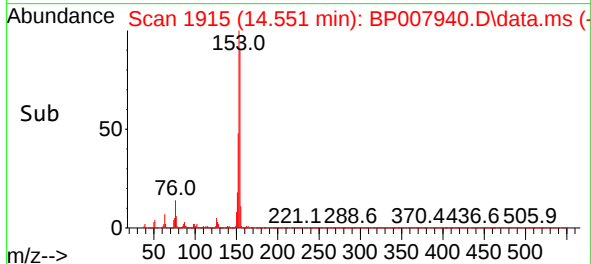
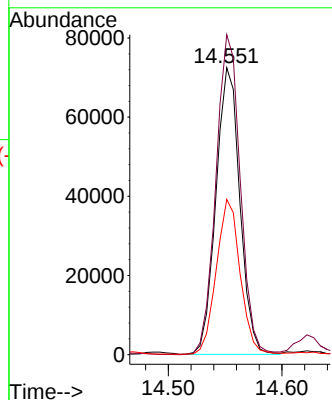
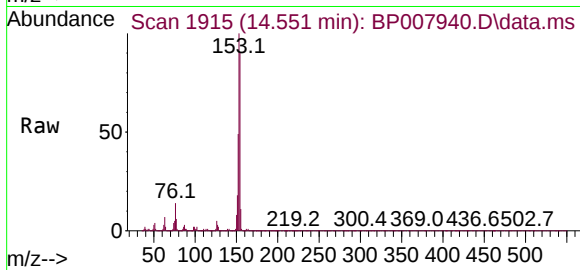
Tgt Ion:154 Resp: 106000

Ion Ratio Lower Upper

154 100

153 111.5 90.4 135.6

152 54.1 42.3 63.5



#55

Dibenzofuran

Concen: 3.318 ng

RT: 14.887 min Scan# 1972

Delta R.T. -0.018 min

Lab File: BP007940.D

Acq: 11 Nov 2021 02:44

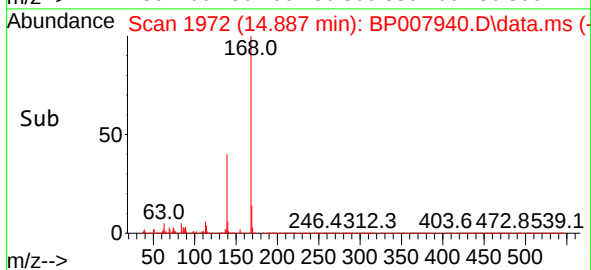
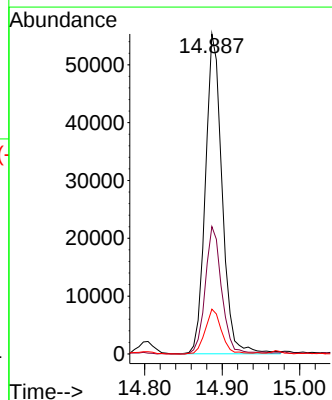
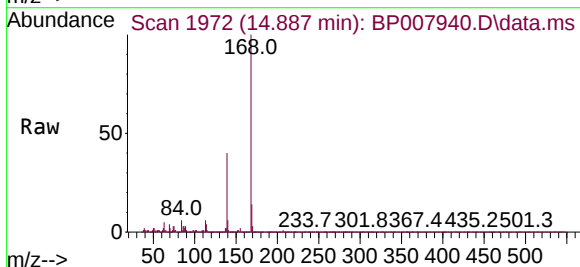
Tgt Ion:168 Resp: 82906

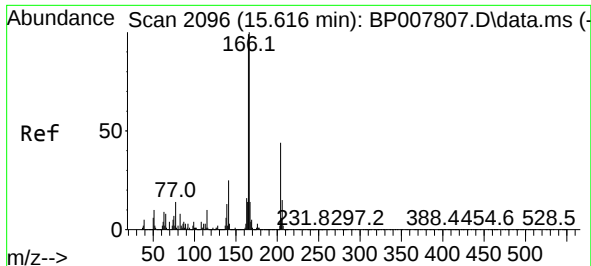
Ion Ratio Lower Upper

168 100

139 39.8 30.8 46.2

169 14.0 11.0 16.6

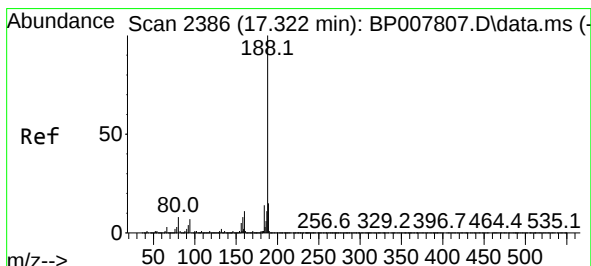
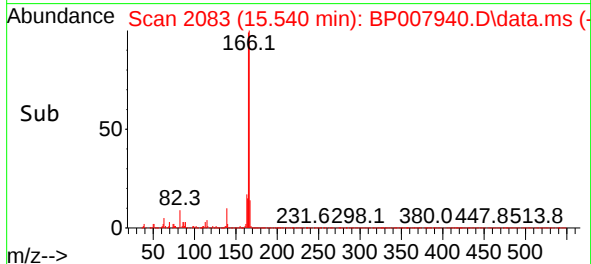
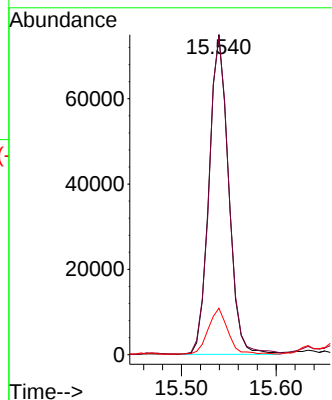
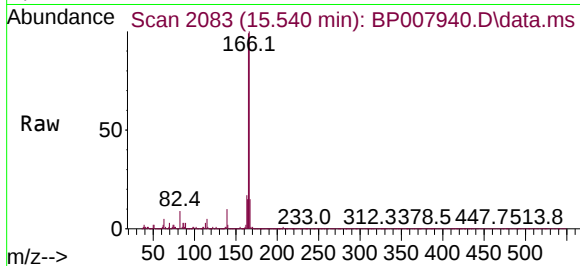




#58
Fluorene
Concen: 5.639 ng
RT: 15.540 min Scan# 2096
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

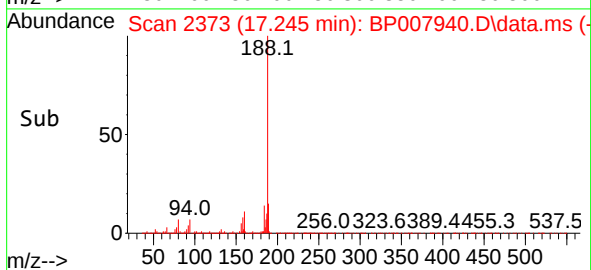
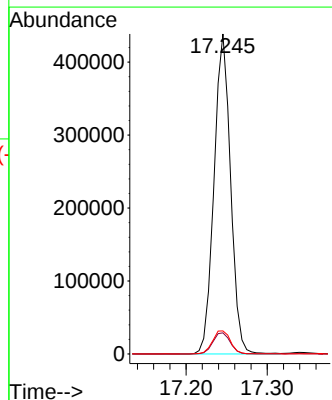
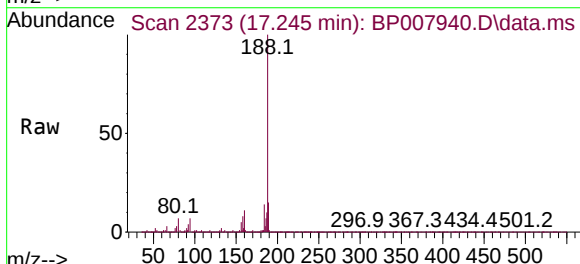
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

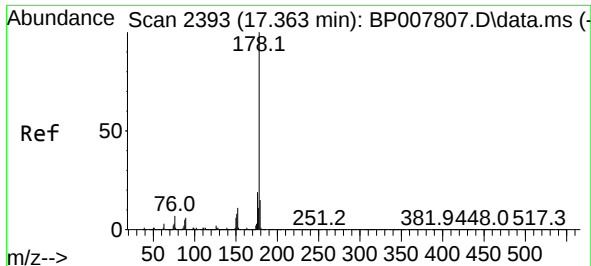
Tgt Ion:166 Resp: 106873
Ion Ratio Lower Upper
166 100
165 99.2 78.9 118.3
167 14.5 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2373
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:188 Resp: 620202
Ion Ratio Lower Upper
188 100
94 6.6 7.1 10.7#
80 7.2 7.8 11.6#

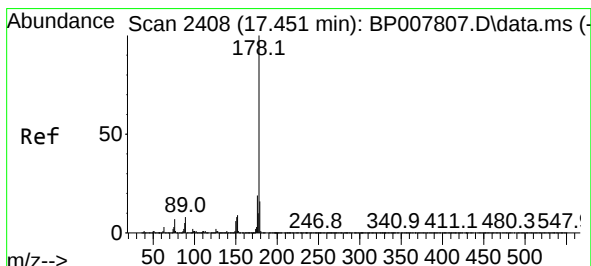
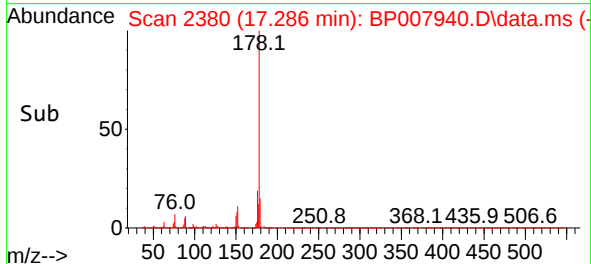
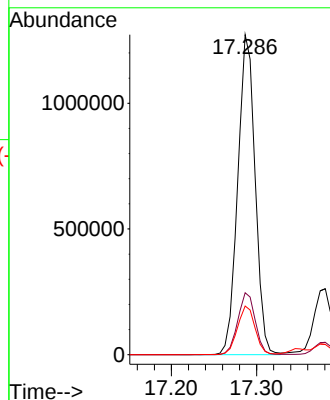
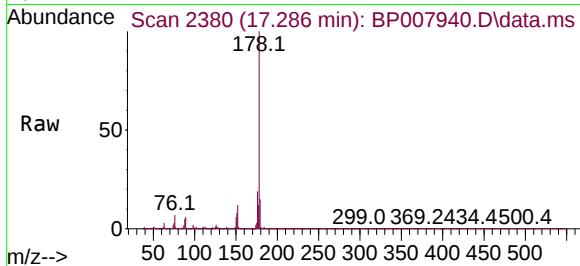




#71
Phenanthrene
Concen: 55.225 ng
RT: 17.286 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

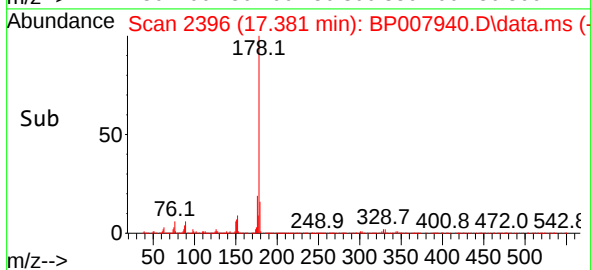
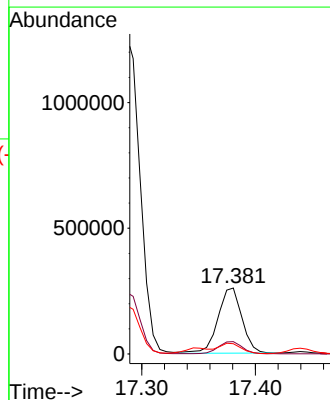
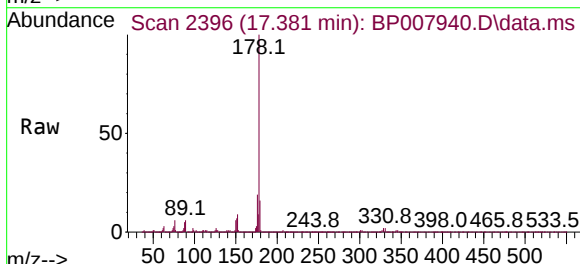
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

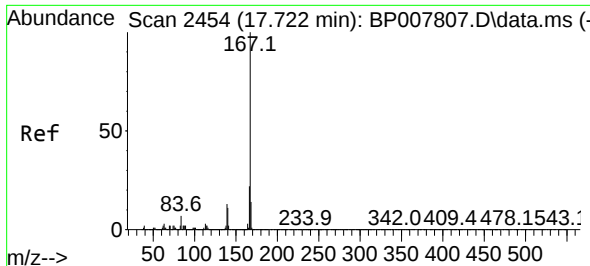
Tgt Ion:178 Resp: 1800548
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.2 12.3 18.5



#72
Anthracene
Concen: 11.870 ng
RT: 17.381 min Scan# 2396
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:178 Resp: 380852
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.7 12.2 18.4

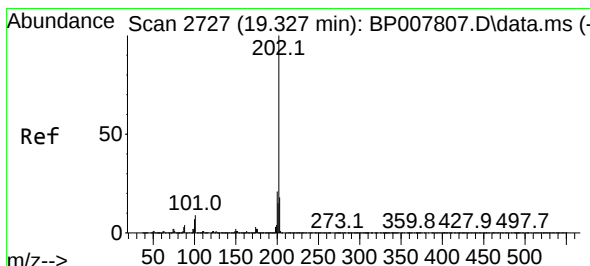
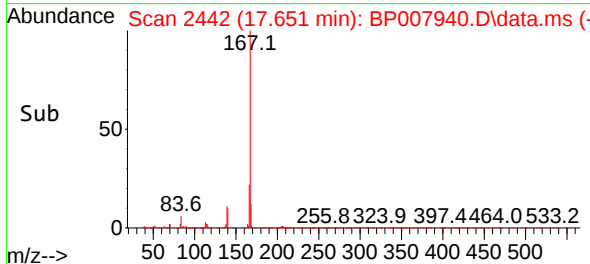
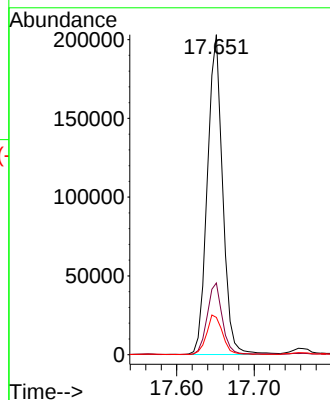
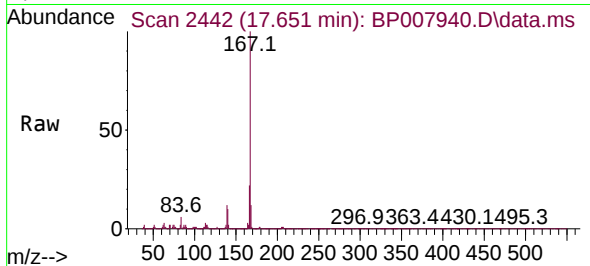




#73
 Carbazole
 Concen: 8.694 ng
 RT: 17.651 min Scan# 2454
 Delta R.T. -0.012 min
 Lab File: BP007940.D
 Acq: 11 Nov 2021 02:44

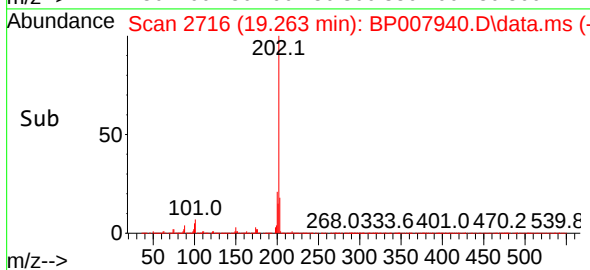
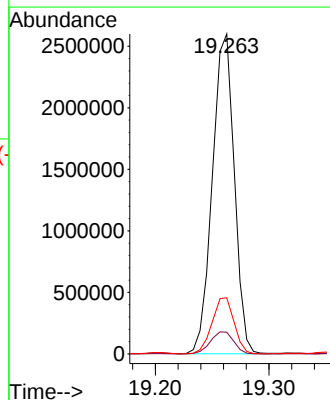
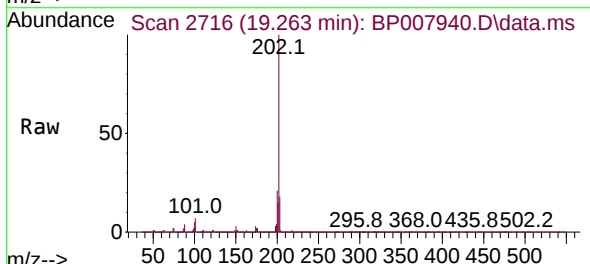
Instrument :
 BNA_P
 ClientSampleId :
 R-LA-5/6-WC

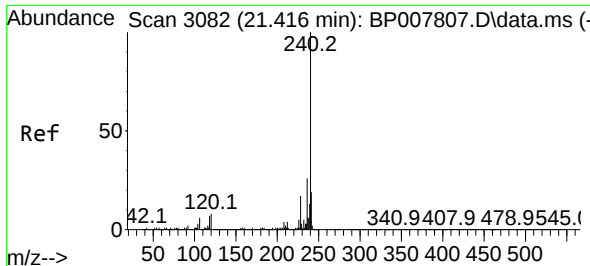
Tgt Ion:167 Resp: 277278
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.3 25.9
 139 11.6 10.4 15.6



#75
 Fluoranthene
 Concen: 84.852 ng
 RT: 19.263 min Scan# 2716
 Delta R.T. -0.006 min
 Lab File: BP007940.D
 Acq: 11 Nov 2021 02:44

Tgt Ion:202 Resp: 3489856
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 30.4
 203 17.6 0.0 37.6

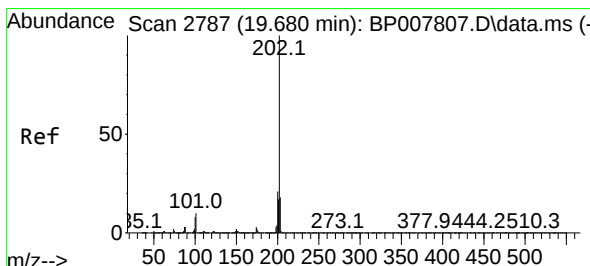
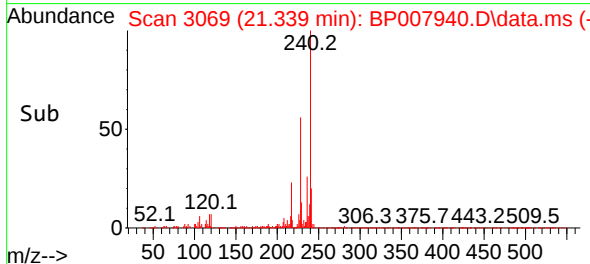
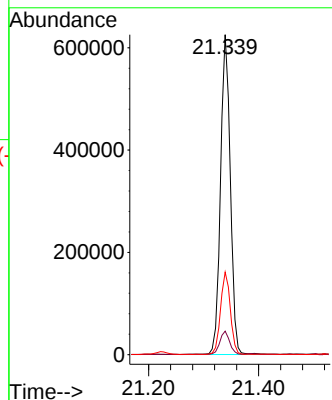
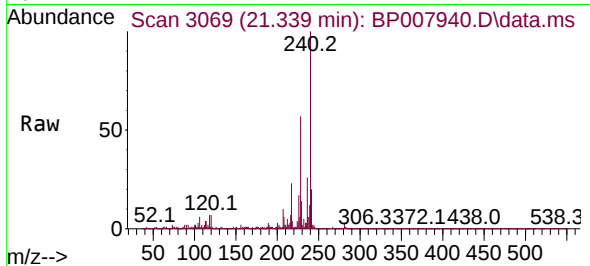




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3082
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

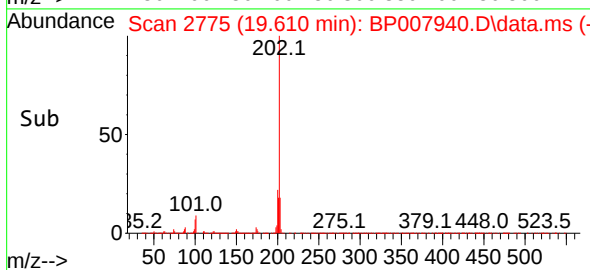
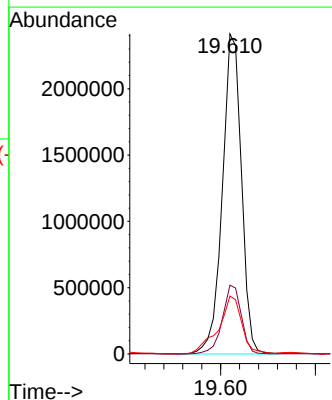
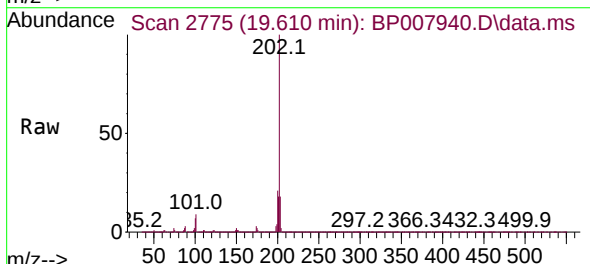
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

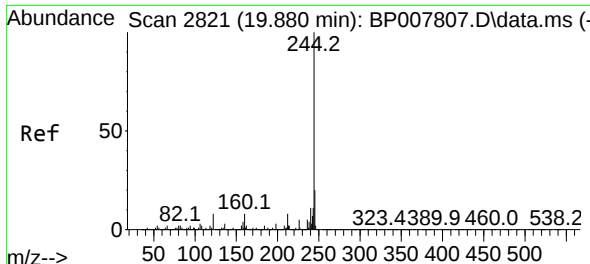
Tgt Ion:240 Resp: 772841
Ion Ratio Lower Upper
240 100
120 7.4 7.8 11.8#
236 25.8 20.6 30.8



#78
Pyrene
Concen: 71.201 ng
RT: 19.610 min Scan# 2775
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:202 Resp: 3375022
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 18.1 13.8 20.6

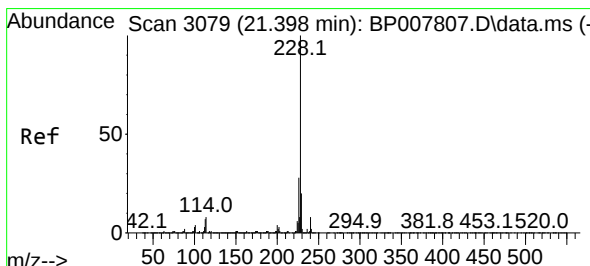
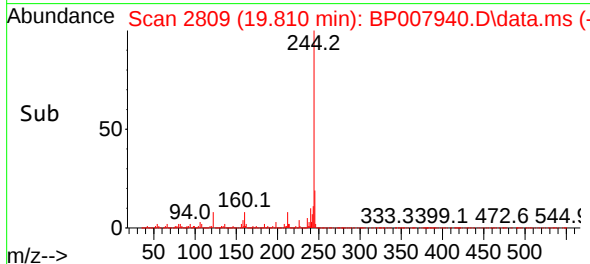
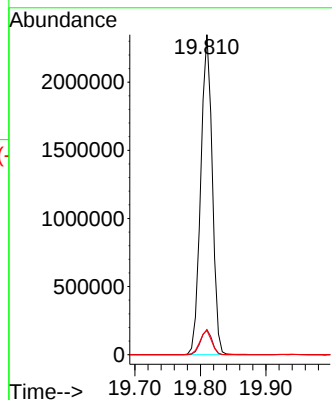
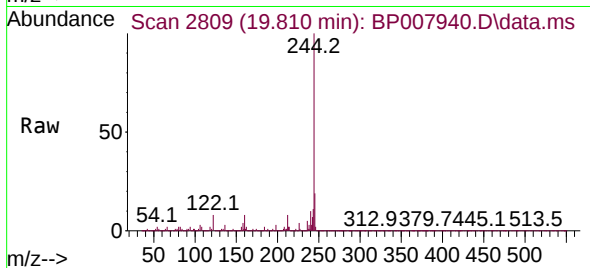




#79
 Terphenyl-d14
 Concen: 75.678 ng
 RT: 19.810 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP007940.D
 Acq: 11 Nov 2021 02:44

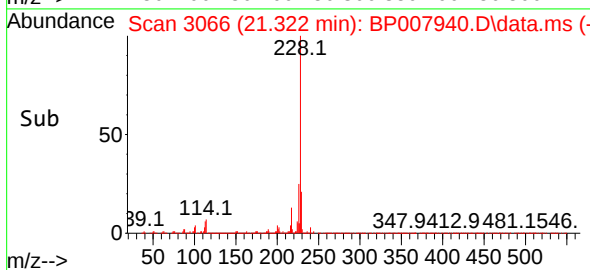
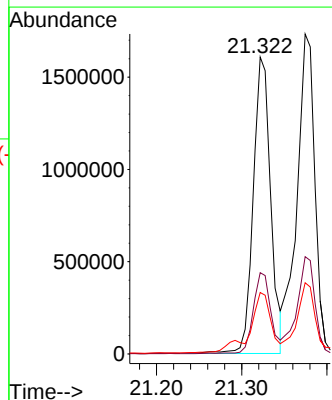
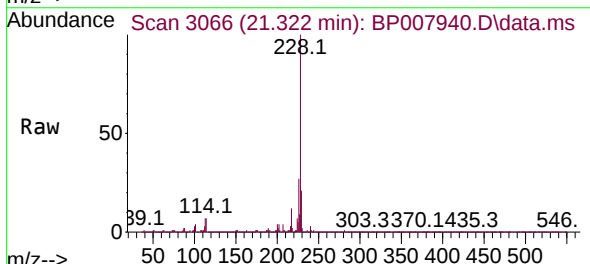
Instrument :
 BNA_P
 ClientSampleId :
 R-LA-5/6-WC

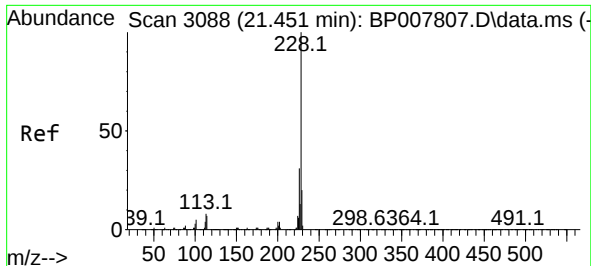
Tgt Ion:244 Resp: 2872231
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 7.5 7.8 11.8#



#81
 Benzo(a)anthracene
 Concen: 44.806 ng
 RT: 21.322 min Scan# 3066
 Delta R.T. -0.012 min
 Lab File: BP007940.D
 Acq: 11 Nov 2021 02:44

Tgt Ion:228 Resp: 2281318
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.8 32.6
 229 20.7 15.7 23.5

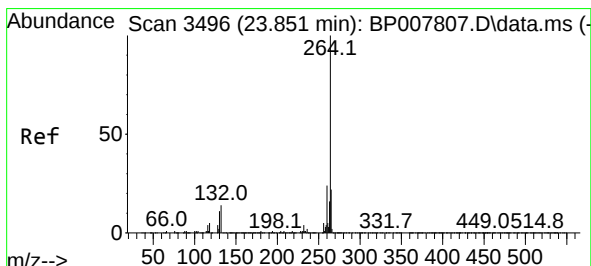
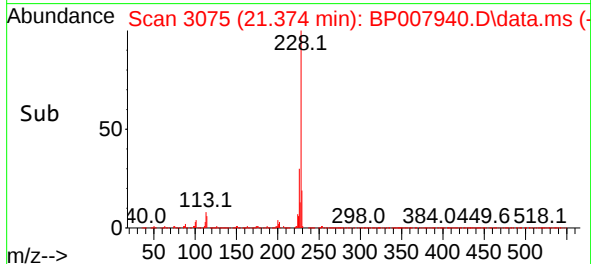
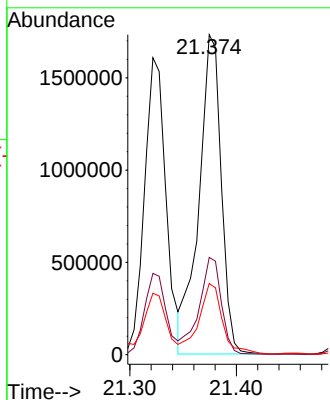
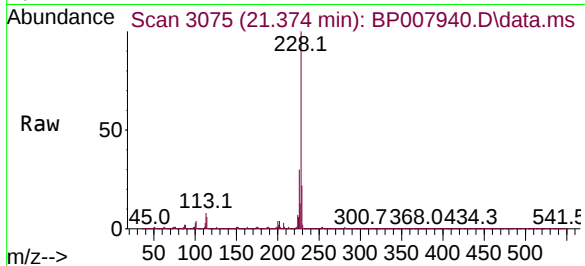




#83
Chrysene
Concen: 52.512 ng
RT: 21.374 min Scan# 30
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

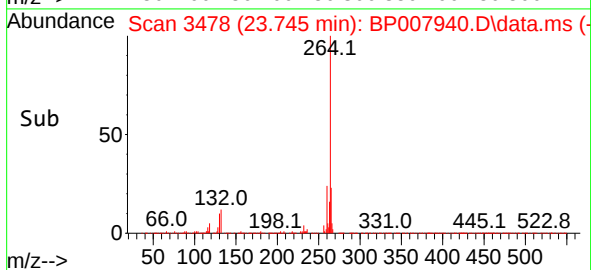
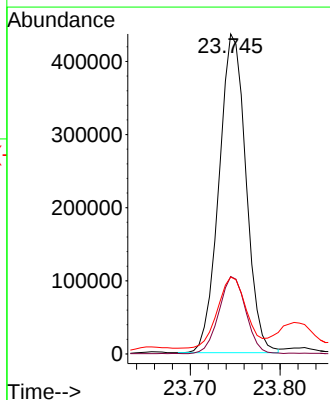
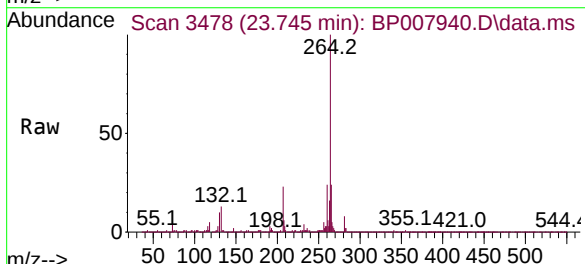
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

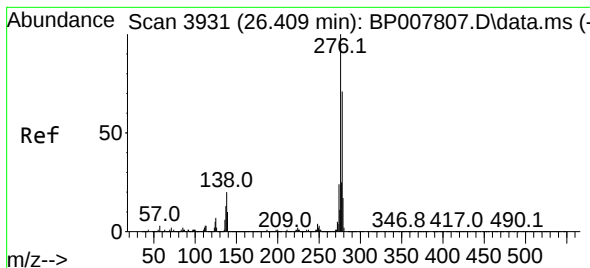
Tgt Ion:228 Resp: 2531095
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 22.3 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 3478
Delta R.T. -0.024 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:264 Resp: 908066
Ion Ratio Lower Upper
264 100
260 24.2 19.1 28.7
265 24.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 21.967 ng

RT: 26.257 min Scan# 3905

Delta R.T. -0.047 min

Lab File: BP007940.D

Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

R-LA-5/6-WC

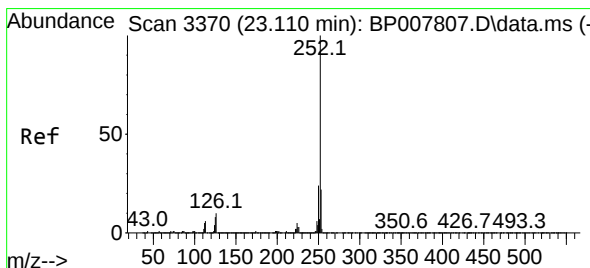
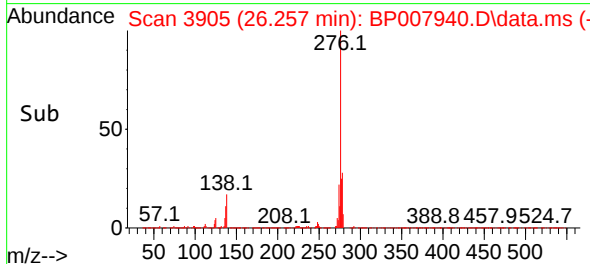
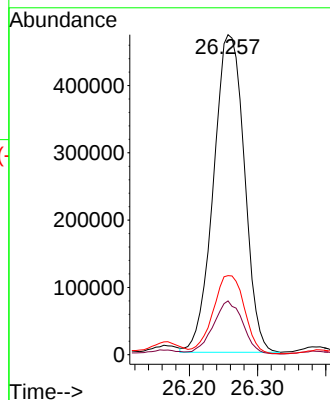
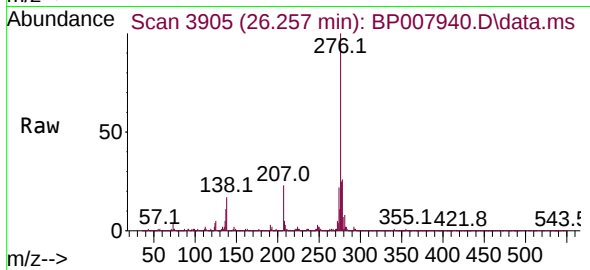
Tgt Ion:276 Resp: 1486858

Ion Ratio Lower Upper

276 100

138 16.2 19.4 29.0#

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 63.426 ng

RT: 23.021 min Scan# 3355

Delta R.T. -0.012 min

Lab File: BP007940.D

Acq: 11 Nov 2021 02:44

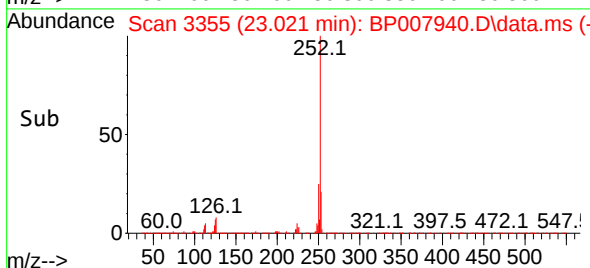
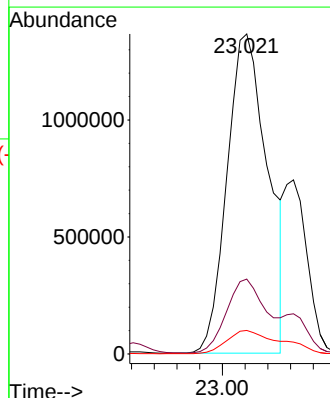
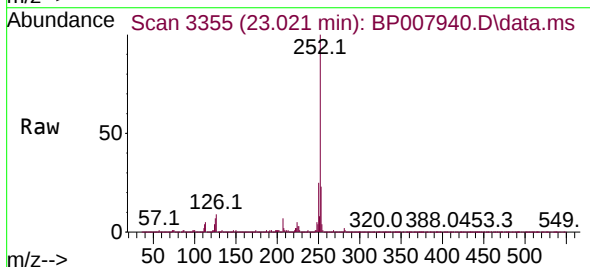
Tgt Ion:252 Resp: 3395070

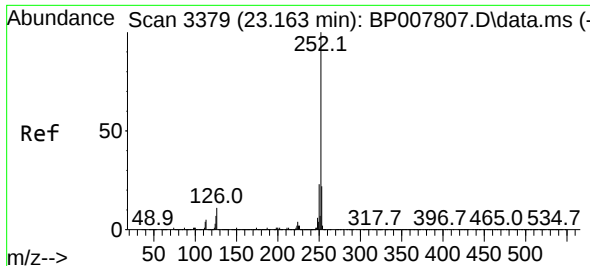
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 7.3 7.4 11.0#

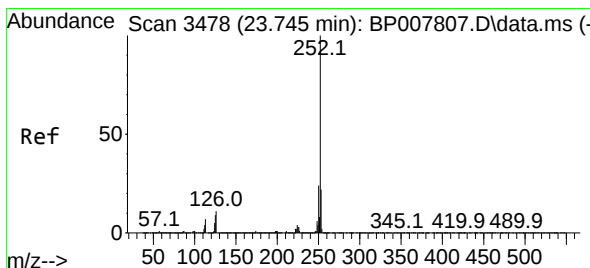
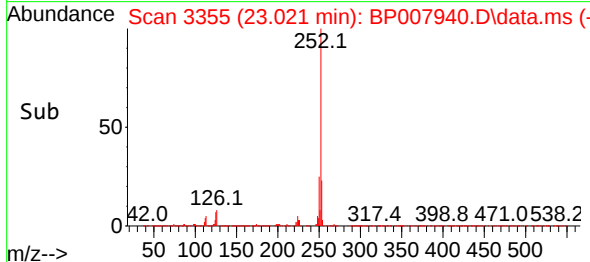
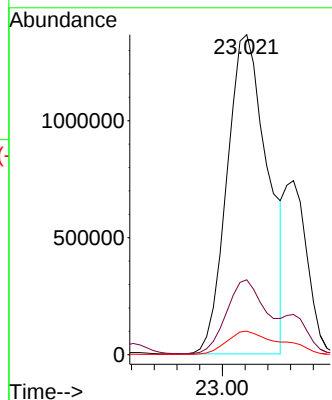
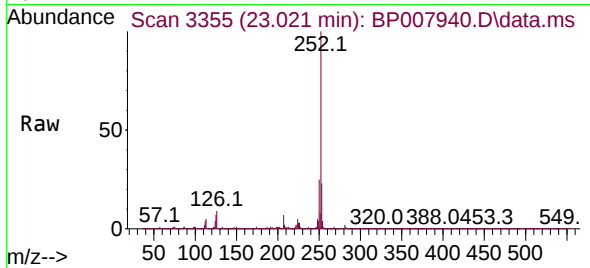




#89
Benzo(k)fluoranthene
Concen: 63.905 ng
RT: 23.021 min Scan# 31
Delta R.T. -0.059 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

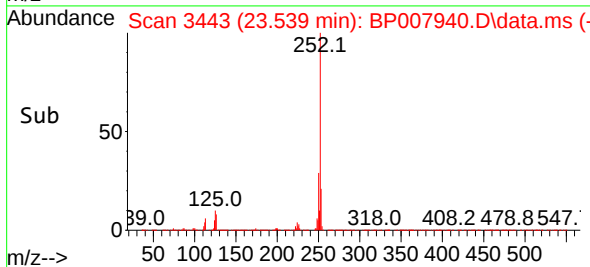
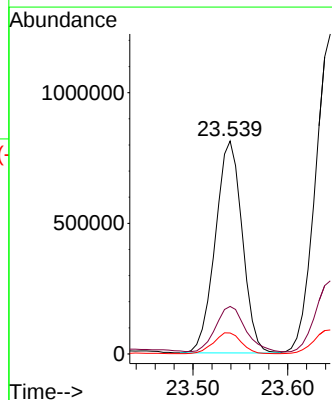
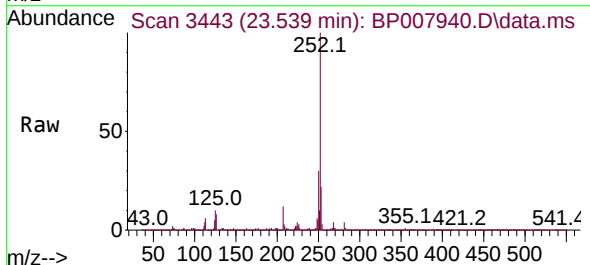
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

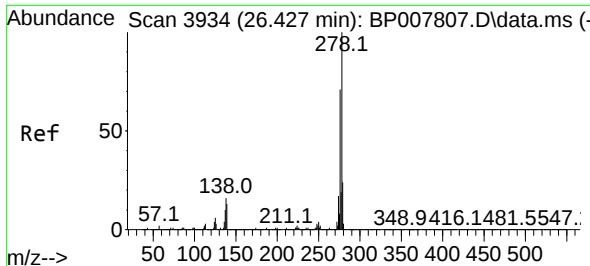
Tgt Ion:252 Resp: 3395070
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 7.3 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 34.555 ng
RT: 23.539 min Scan# 3443
Delta R.T. -0.124 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:252 Resp: 1601603
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.8 8.4 12.6

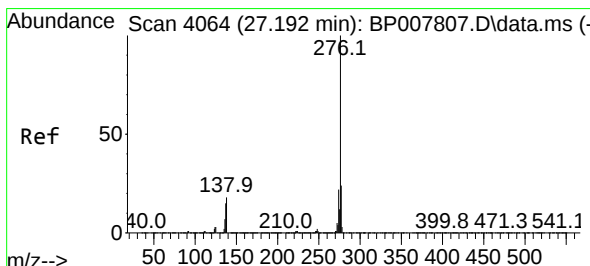
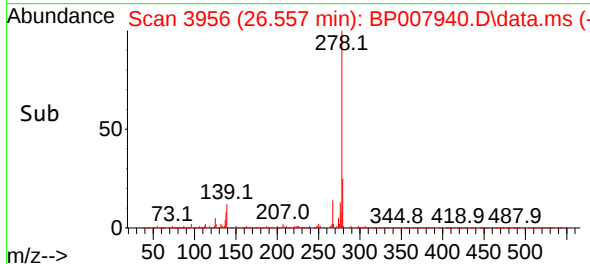
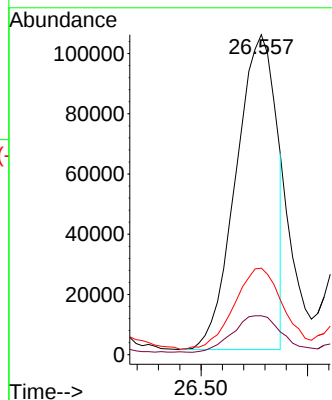
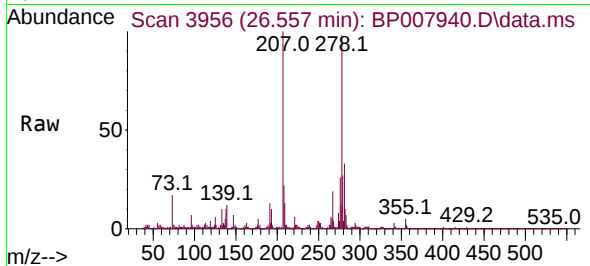




#91
Dibenzo(a,h)anthracene
Concen: 4.907 ng
RT: 26.557 min Scan# 3934
Delta R.T. 0.235 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Tgt Ion:278 Resp: 275303
Ion Ratio Lower Upper
278 100
139 12.1 11.8 17.6
279 27.1 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 26.760 ng
RT: 27.033 min Scan# 4037
Delta R.T. -0.047 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:276 Resp: 1489314
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 16.3 16.2 24.4

