

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120221\
 Data File : BP008201.D
 Acq On : 02 Dec 2021 20:34
 Operator : CG/JU
 Sample : M4721-02DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SAMPLE-2DL

Quant Time: Dec 03 03:37:43 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 01 12:06:05 2021
 Response via : Initial Calibration

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

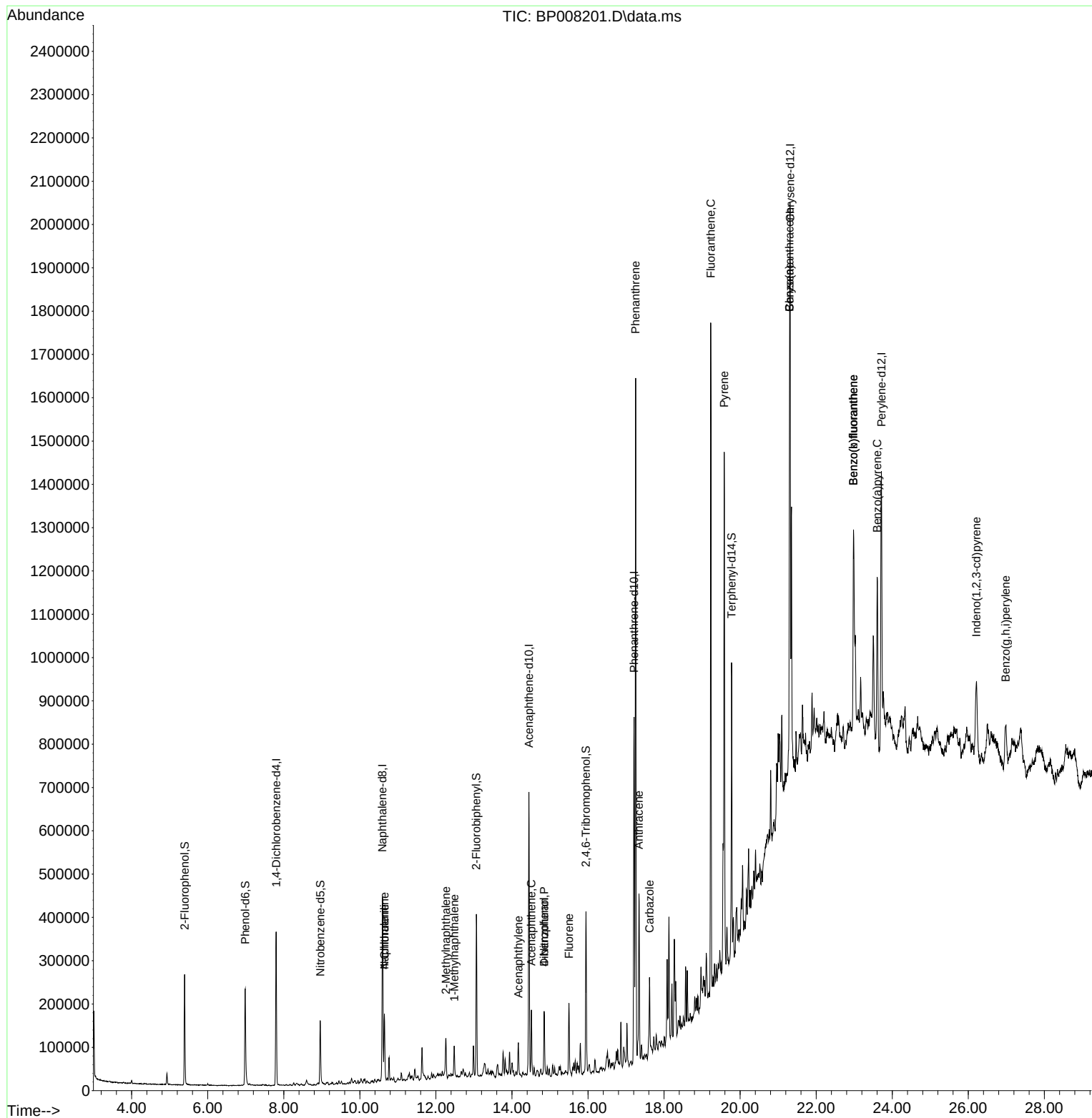
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	88678	20.000	ng	-0.02
21) Naphthalene-d8	10.593	136	335101	20.000	ng	-0.02
39) Acenaphthene-d10	14.445	164	217772	20.000	ng	-0.01
64) Phenanthrene-d10	17.210	188	477499	20.000	ng	0.00
76) Chrysene-d12	21.316	240	477776	20.000	ng	# 0.00
86) Perylene-d12	23.716	264	520817	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	102049	18.529	ng	-0.01
7) Phenol-d6	6.987	99	126065	16.956	ng	-0.01
23) Nitrobenzene-d5	8.958	82	88284	11.980	ng	-0.02
42) 2,4,6-Tribromophenol	15.945	330	55511	19.943	ng	-0.01
45) 2-Fluorobiphenyl	13.063	172	192231	12.822	ng	-0.02
79) Terphenyl-d14	19.775	244	310583	13.586	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.946	77	169	Below Cal	#	74
31) Naphthalene	10.646	128	115732	6.742	ng	98
33) 4-Chloroaniline	10.646	127	16284	2.287	ng	# 39
37) 2-Methylnaphthalene	12.263	142	36730	3.025	ng	97
38) 1-Methylnaphthalene	12.481	142	28835	2.440	ng	96
49) Acenaphthylene	14.169	152	46910	2.437	ng	98
52) Acenaphthene	14.510	154	50550	4.406	ng	96
55) Dibenzofuran	14.845	168	84845	4.328	ng	97
56) 4-Nitrophenol	14.845	139	32804	12.443	ng	# 2
58) Fluorene	15.498	166	69261	4.348	ng	96
71) Phenanthrene	17.251	178	923100	36.615	ng	100
72) Anthracene	17.339	178	244189	9.760	ng	99
73) Carbazole	17.616	167	110628	4.530	ng	99
75) Fluoranthene	19.228	202	893244	26.301	ng	98
78) Pyrene	19.581	202	763729	24.182	ng	99
81) Benzo(a)anthracene	21.298	228	398134	12.573	ng	98
83) Chrysene	21.298	228	398134	13.213	ng	97
87) Indeno(1,2,3-cd)pyrene	26.215	276	183083	4.832	ng	# 95
88) Benzo(b)fluoranthene	22.980	252	402673	12.825	ng	95
89) Benzo(k)fluoranthene	22.980	252	402673	13.100	ng	95
90) Benzo(a)pyrene	23.604	252	309439	11.531	ng	95
92) Benzo(g,h,i)perylene	26.980	276	168288	5.301	ng	99

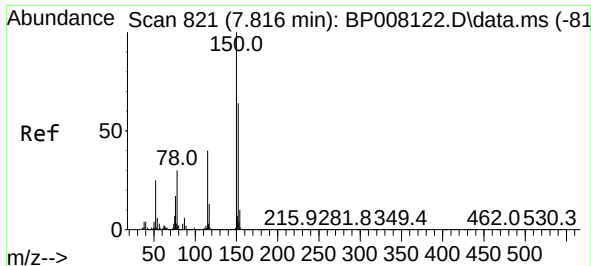
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120221\
Data File : BP008201.D
Acq On : 02 Dec 2021 20:34
Operator : CG/JU
Sample : M4721-02DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

Quant Time: Dec 03 03:37:43 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 01 12:06:05 2021
Response via : Initial Calibration

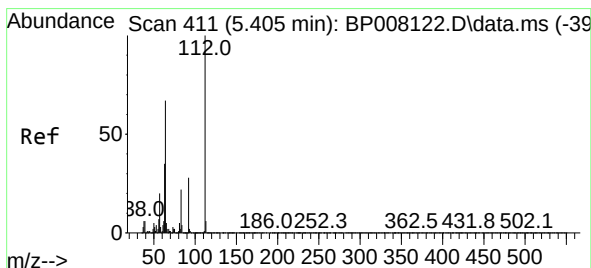
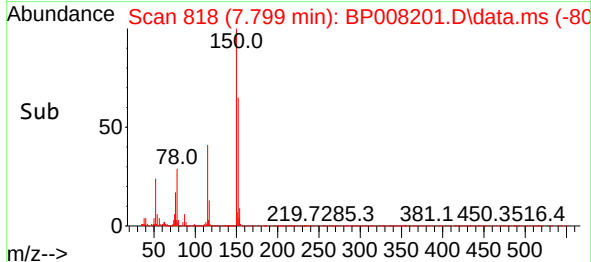
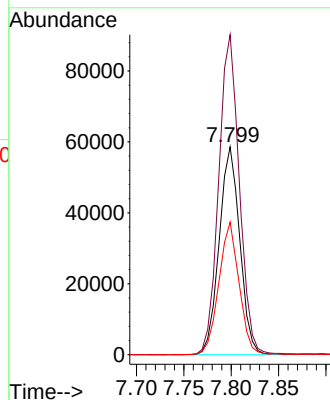
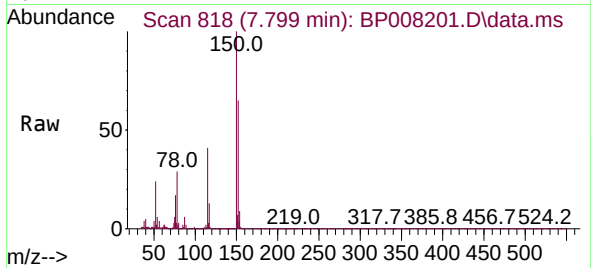




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

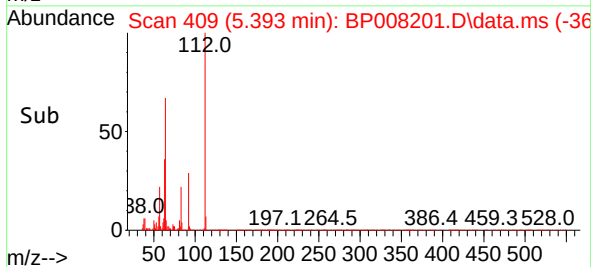
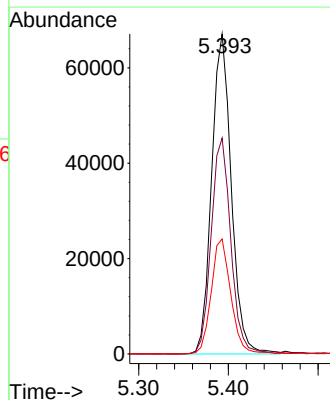
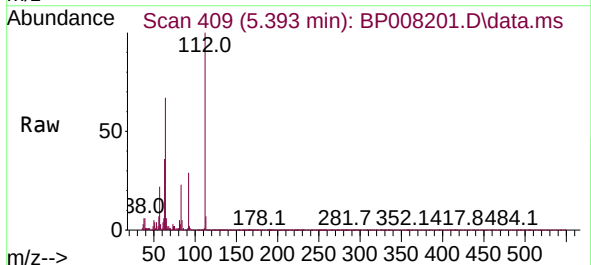
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

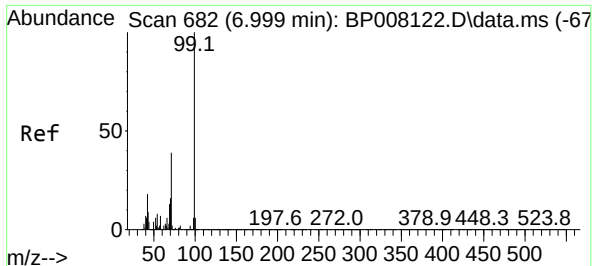
Tgt Ion:152 Resp: 88678
Ion Ratio Lower Upper
152 100
150 153.9 125.7 188.5
115 63.8 50.7 76.1



#5
2-Fluorophenol
Concen: 18.529 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:112 Resp: 102049
Ion Ratio Lower Upper
112 100
64 67.4 53.4 80.2
63 36.0 27.8 41.8

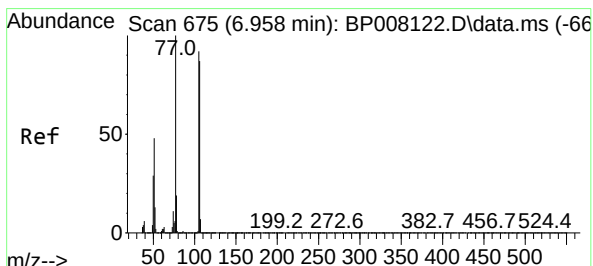
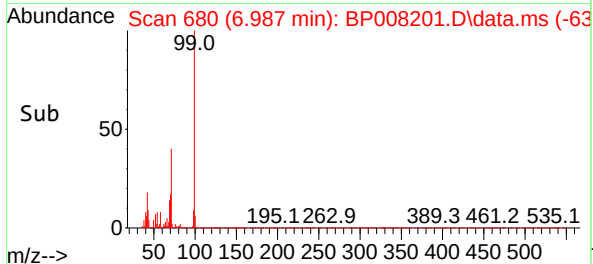
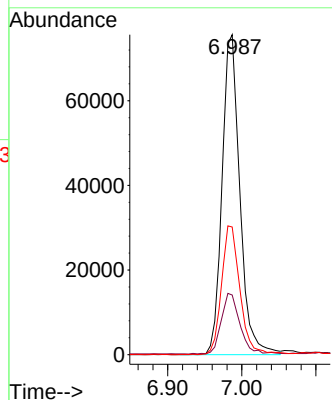
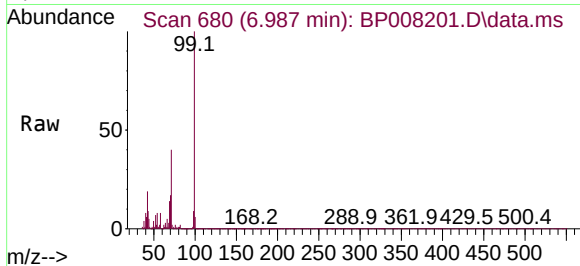




#7
Phenol-d6
Concen: 16.956 ng
RT: 6.987 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

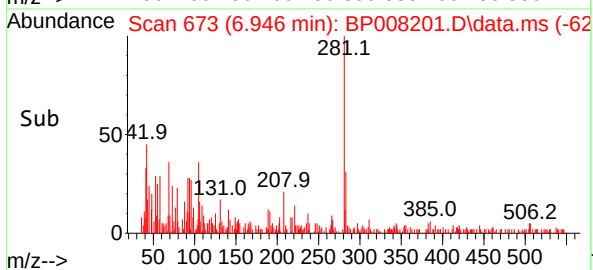
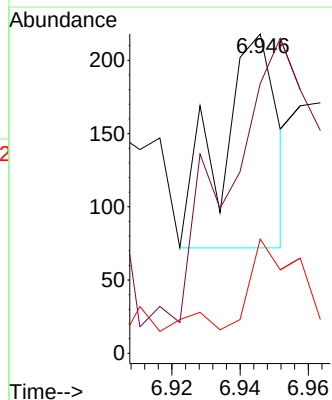
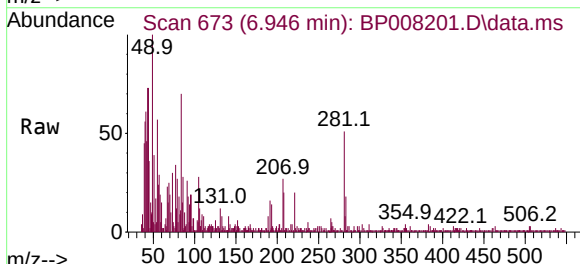
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

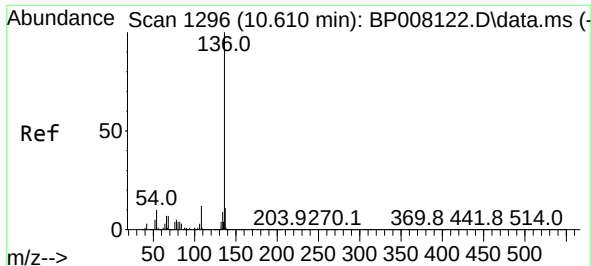
Tgt Ion: 99 Resp: 126065
Ion Ratio Lower Upper
99 100
42 18.7 14.6 22.0
71 39.9 31.1 46.7



#9
Benzaldehyde
Concen: Below Cal
RT: 6.946 min Scan# 673
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion: 77 Resp: 169
Ion Ratio Lower Upper
77 100
105 84.4 71.8 111.8
106 45.4 67.3 107.3#

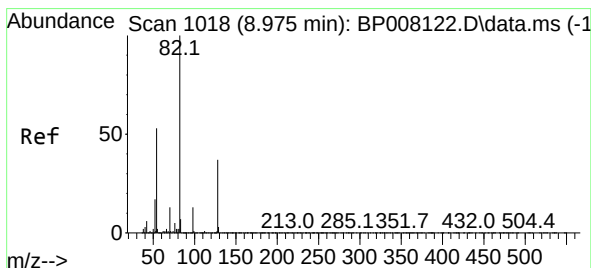
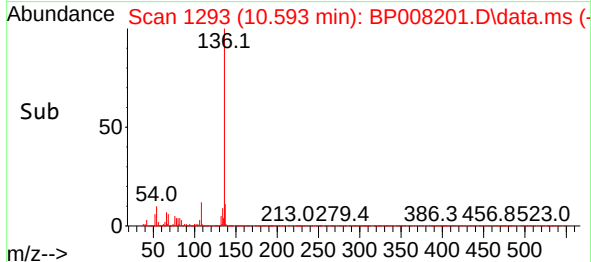
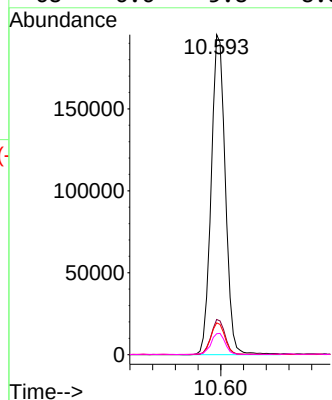
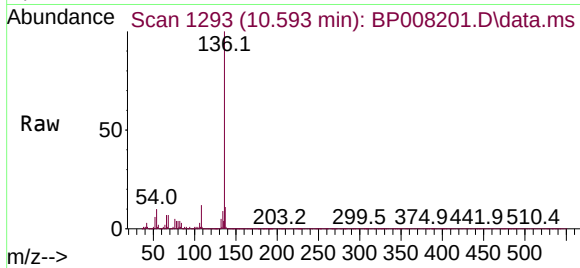




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

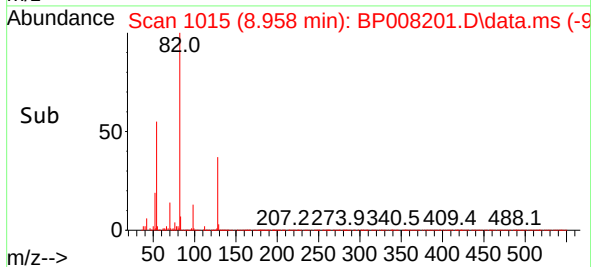
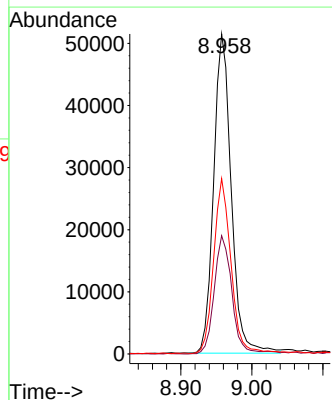
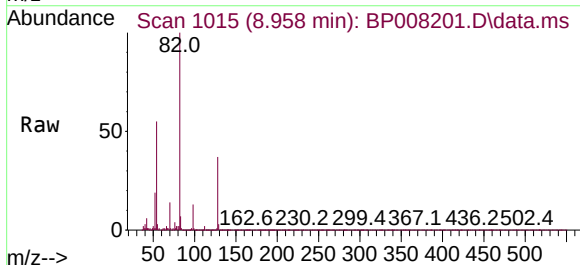
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

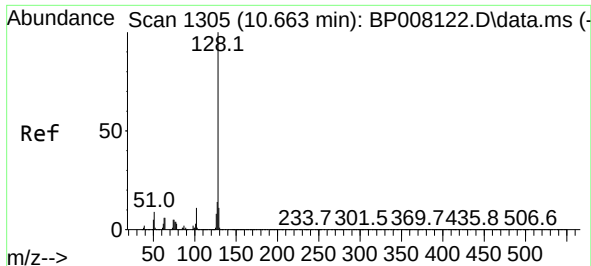
Tgt Ion:	136	Resp:	335101
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	9.9	8.2	12.4
68	6.6	5.8	8.8



#23
Nitrobenzene-d5
Concen: 11.980 ng
RT: 8.958 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:	82	Resp:	88284
Ion	Ratio	Lower	Upper
82	100		
128	36.9	29.6	44.4
54	54.8	42.7	64.1

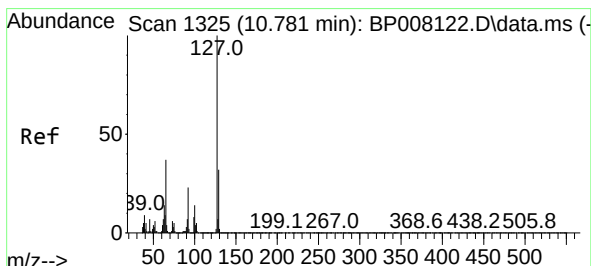
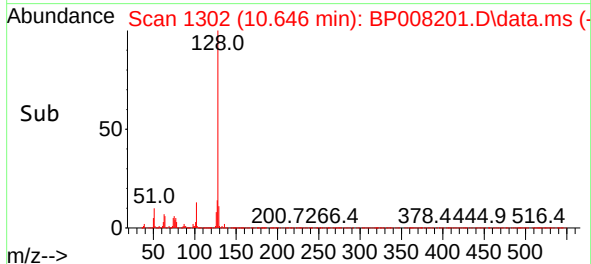
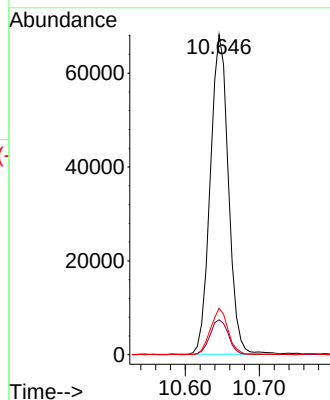
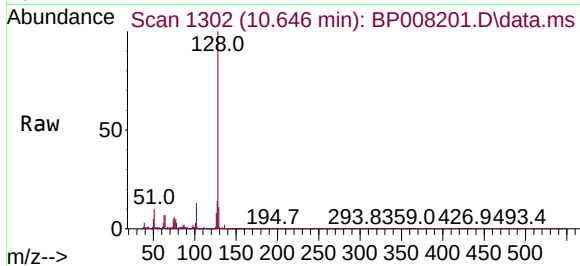




#31
Naphthalene
Concen: 6.742 ng
RT: 10.646 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

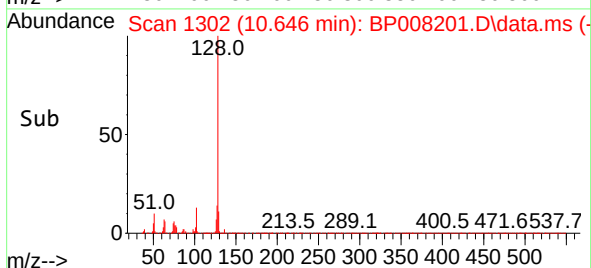
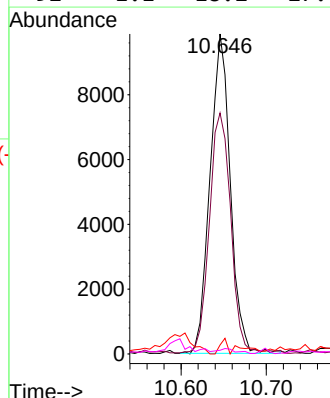
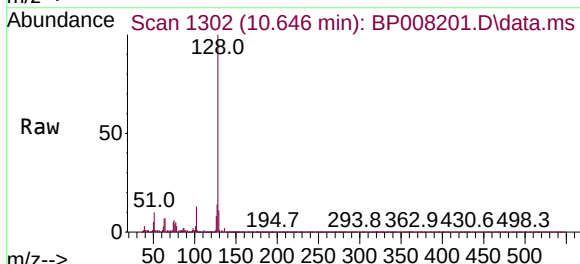
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

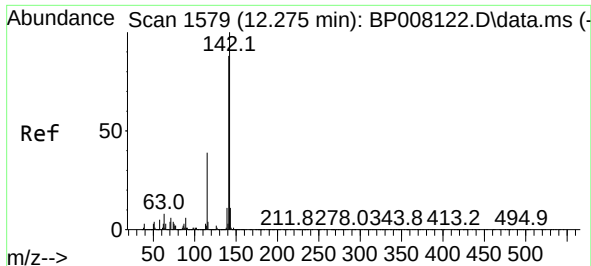
Tgt Ion:128 Resp: 115732
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 14.5 10.9 16.3



#33
4-Chloroaniline
Concen: 2.287 ng
RT: 10.646 min Scan# 1302
Delta R.T. -0.135 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:127 Resp: 16284
Ion Ratio Lower Upper
127 100
129 75.3 25.4 38.2#
65 2.8 29.5 44.3#
92 1.1 18.2 27.4#

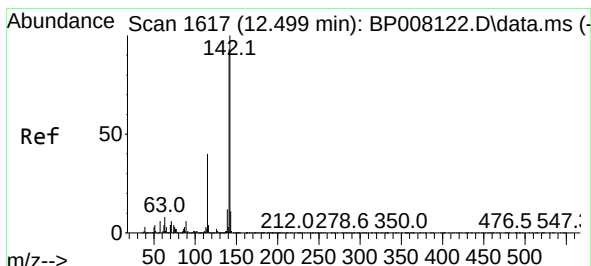
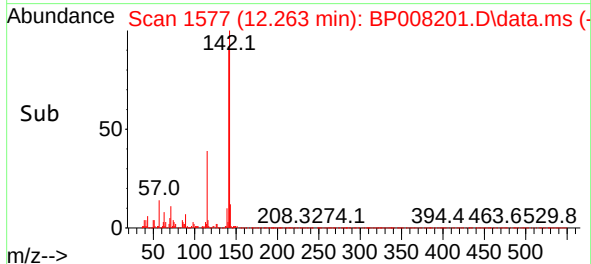
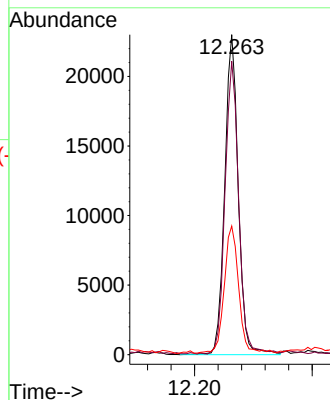
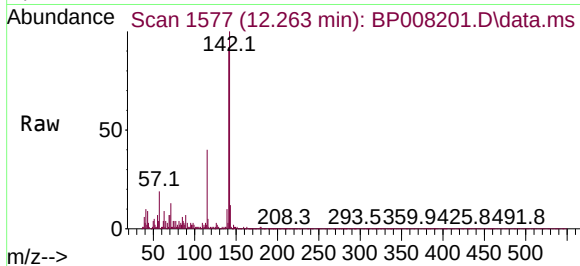




#37
2-Methylnaphthalene
Concen: 3.025 ng
RT: 12.263 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

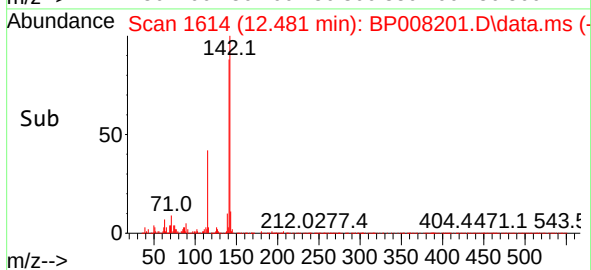
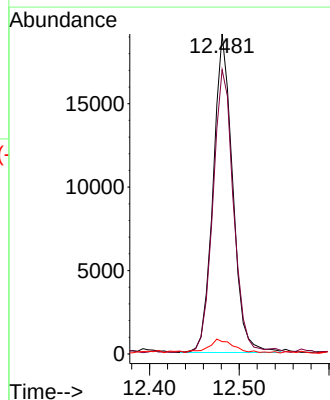
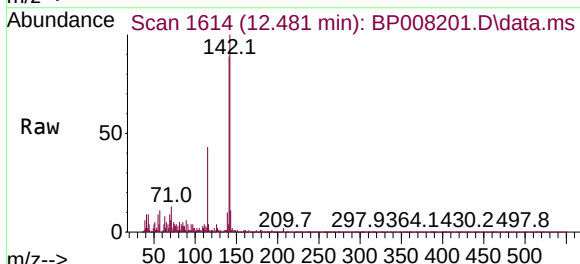
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

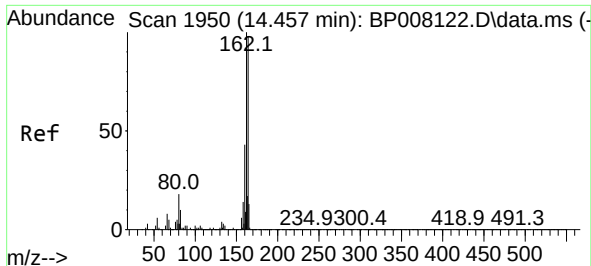
Tgt Ion:142 Resp: 36730
Ion Ratio Lower Upper
142 100
141 91.7 70.7 106.1
115 40.2 30.9 46.3



#38
1-Methylnaphthalene
Concen: 2.440 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.018 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:142 Resp: 28835
Ion Ratio Lower Upper
142 100
141 88.9 74.2 111.4
116 3.9 3.4 5.2

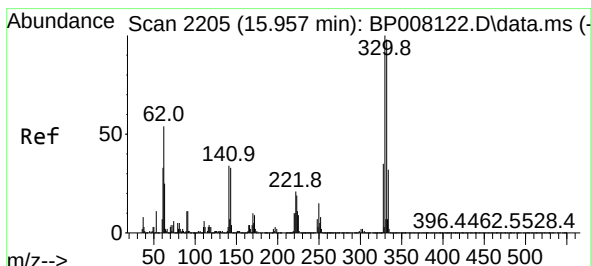
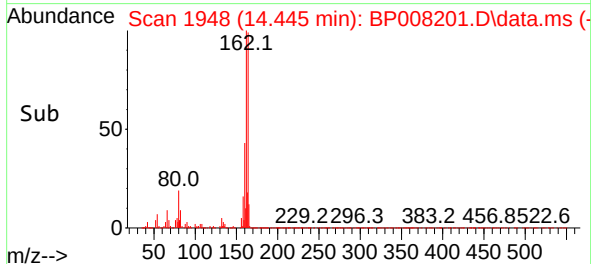
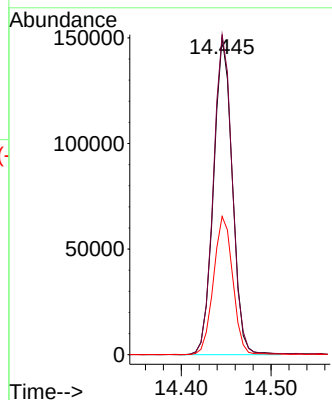
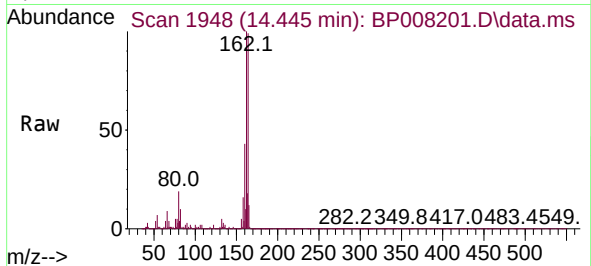




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

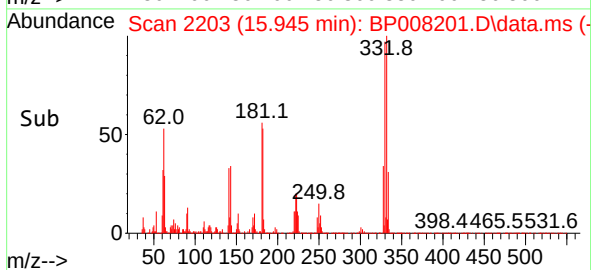
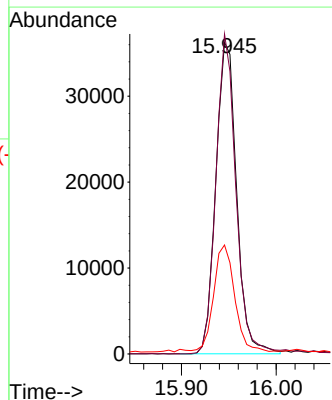
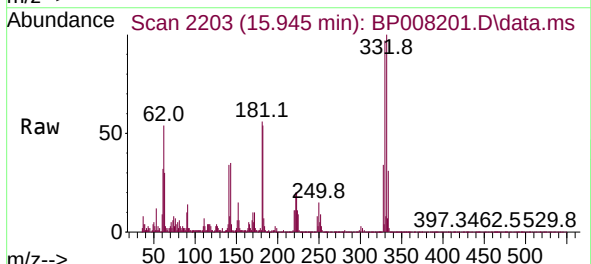
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

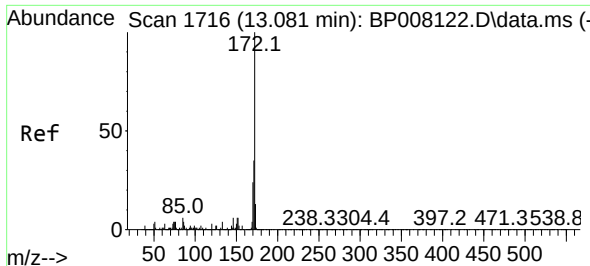
Tgt Ion:164 Resp: 217772
Ion Ratio Lower Upper
164 100
162 100.7 81.9 122.9
160 43.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 19.943 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:330 Resp: 55511
Ion Ratio Lower Upper
330 100
332 99.9 77.0 115.4
141 35.3 28.4 42.6

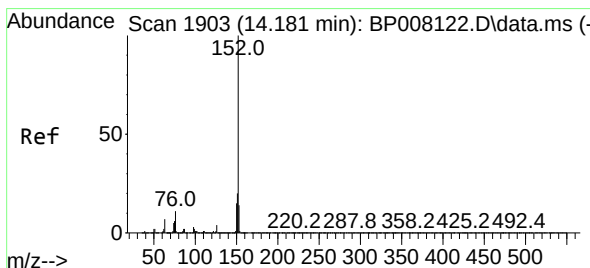
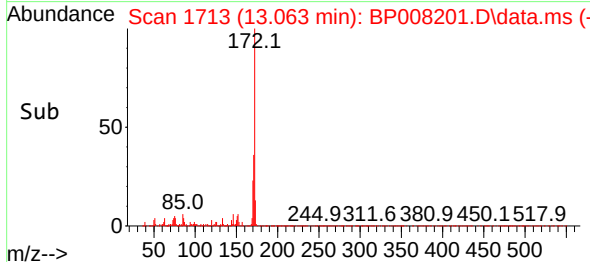
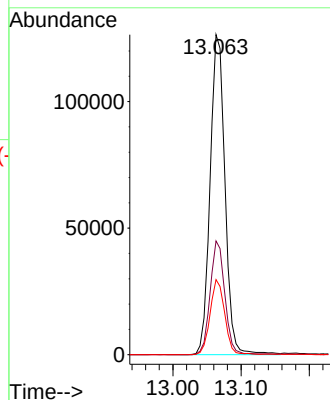
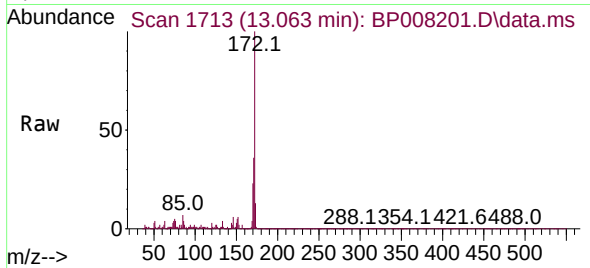




#45
2-Fluorobiphenyl
Concen: 12.822 ng
RT: 13.063 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

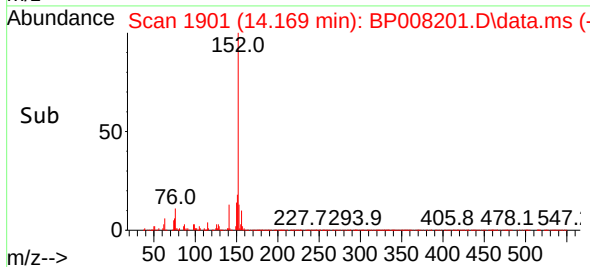
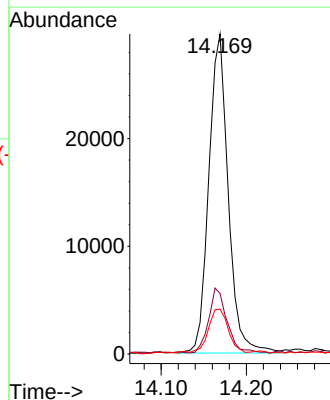
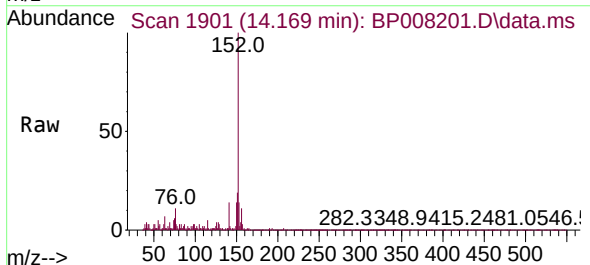
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

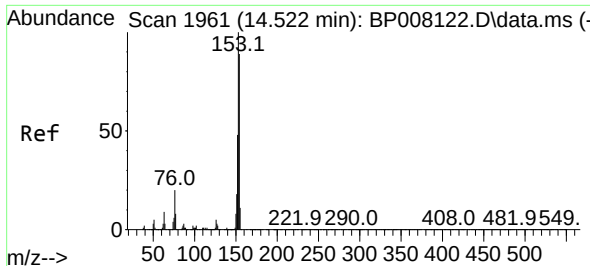
Tgt Ion:172 Resp: 192231
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.5 18.9 28.3



#49
Acenaphthylene
Concen: 2.437 ng
RT: 14.169 min Scan# 1901
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:152 Resp: 46910
Ion Ratio Lower Upper
152 100
151 18.9 16.2 24.4
153 14.0 10.9 16.3

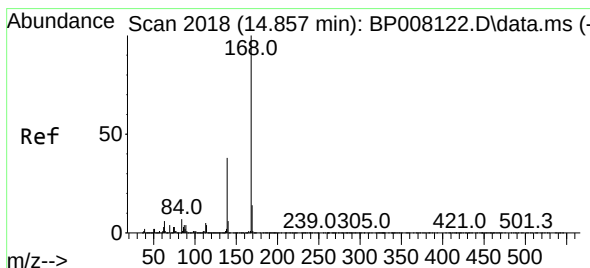
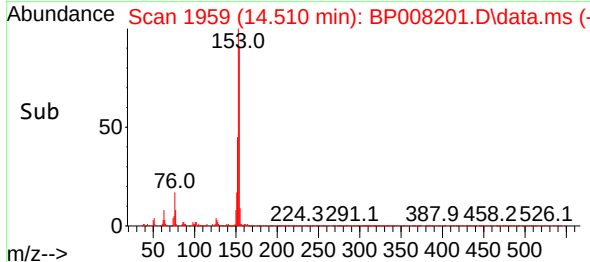
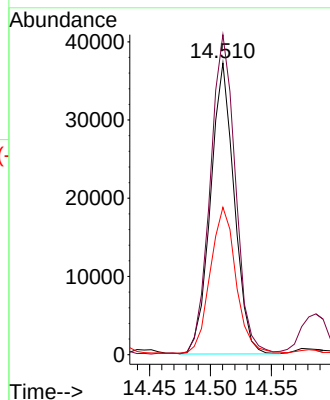
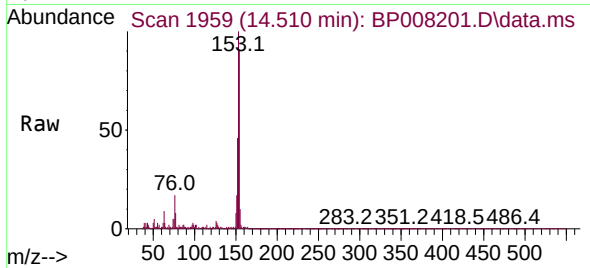




#52
Acenaphthene
Concen: 4.406 ng
RT: 14.510 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

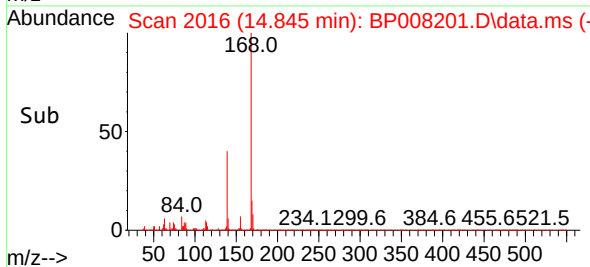
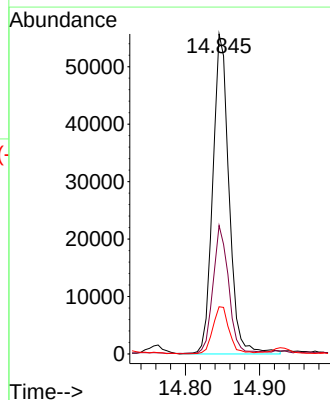
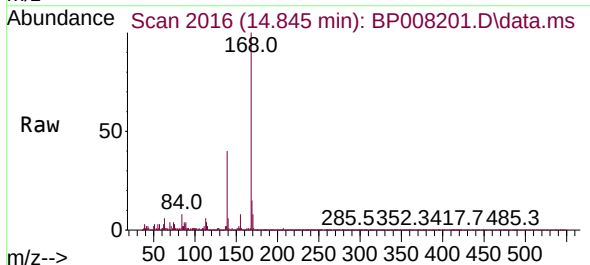
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

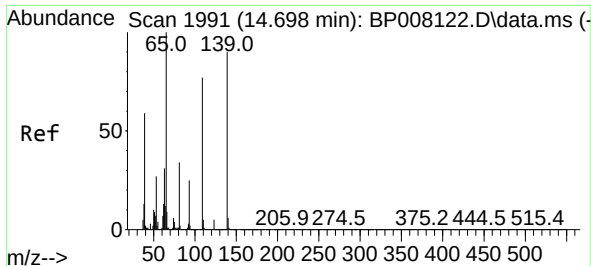
Tgt Ion:154 Resp: 50550
Ion Ratio Lower Upper
154 100
153 109.7 90.3 135.5
152 50.5 43.3 64.9



#55
Dibenzofuran
Concen: 4.328 ng
RT: 14.845 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:168 Resp: 84845
Ion Ratio Lower Upper
168 100
139 40.1 30.6 46.0
169 14.8 11.0 16.4

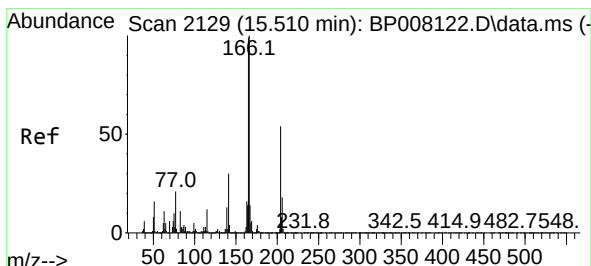
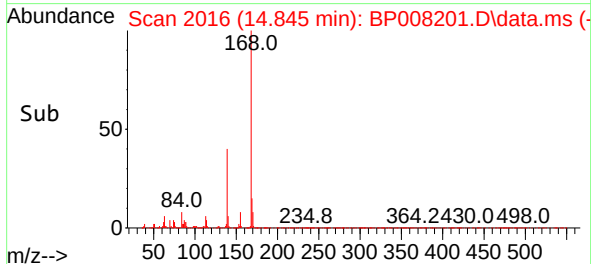
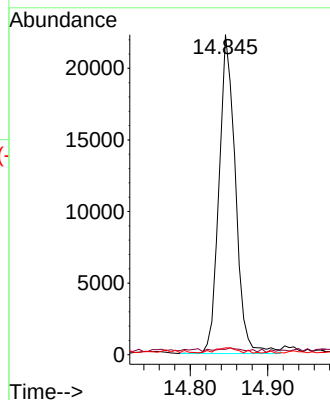
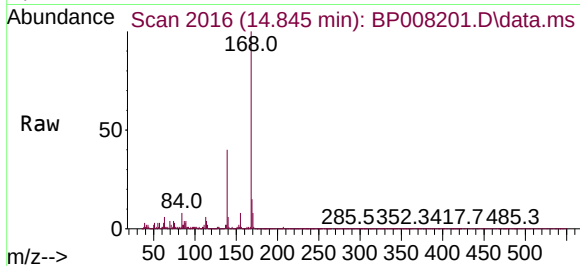




#56
4-Nitrophenol
Concen: 12.443 ng
RT: 14.845 min Scan# 2016
Delta R.T. 0.147 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

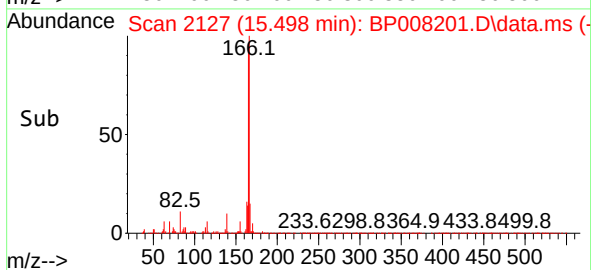
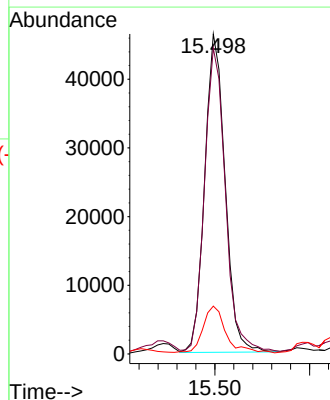
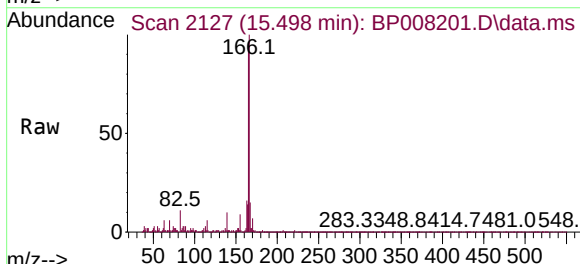
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

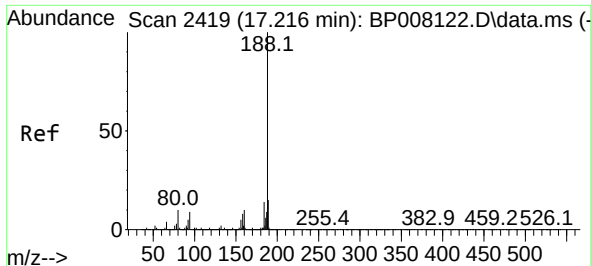
Tgt Ion:139 Resp: 32804
Ion Ratio Lower Upper
139 100
109 1.7 65.9 105.9#
65 2.1 91.9 131.9#



#58
Fluorene
Concen: 4.348 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:166 Resp: 69261
Ion Ratio Lower Upper
166 100
165 95.5 79.4 119.2
167 15.0 10.9 16.3

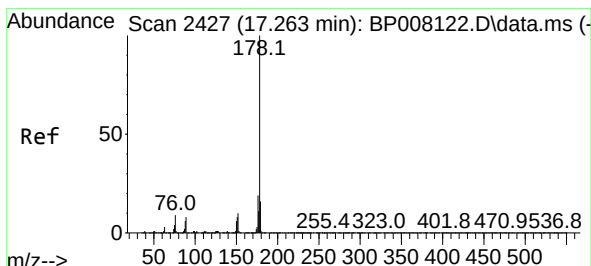
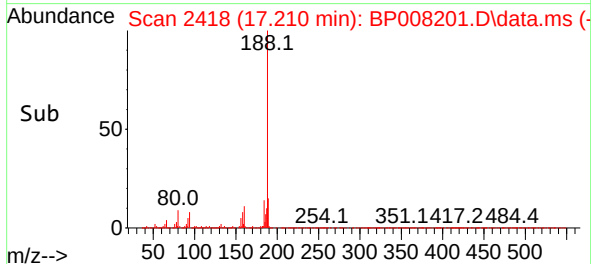
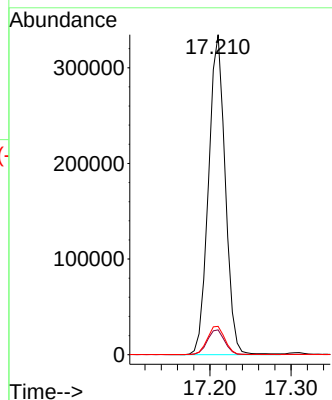
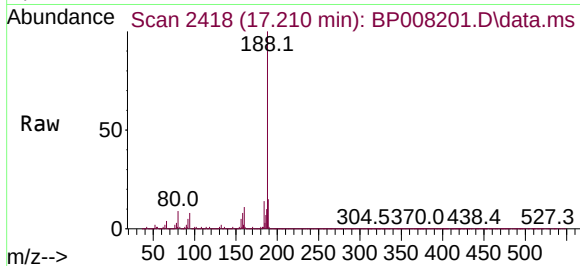




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

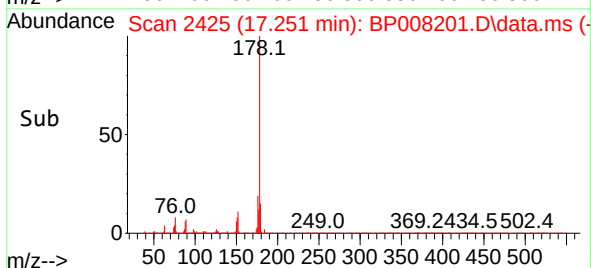
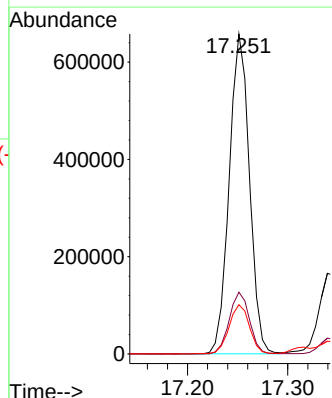
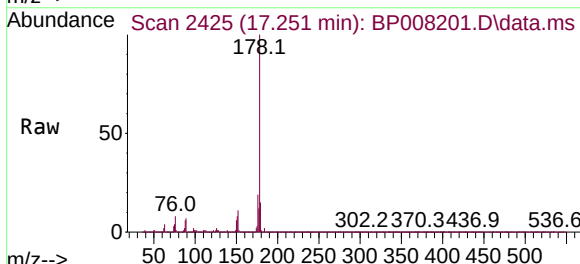
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

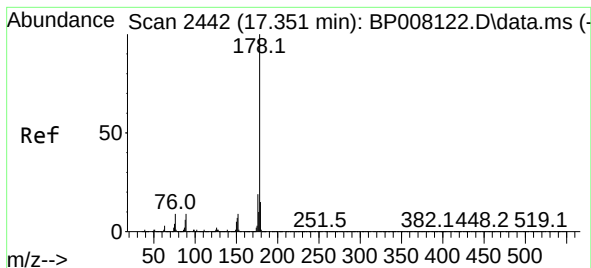
Tgt Ion:188 Resp: 477499
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.8 8.2 12.4



#71
Phenanthrene
Concen: 36.615 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:178 Resp: 923100
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.4 12.5 18.7





#72

Anthracene

Concen: 9.760 ng

RT: 17.339 min Scan# 2442

Delta R.T. -0.012 min

Lab File: BP008201.D

Acq: 02 Dec 2021 20:34

Instrument :

BNA_P

ClientSampleId :

SAMPLE-2DL

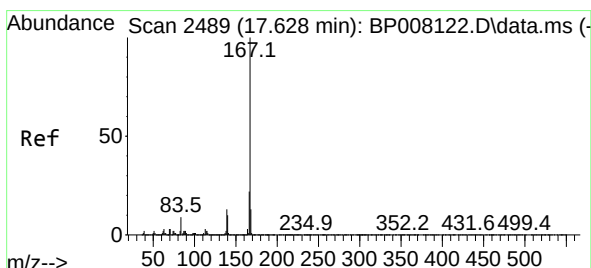
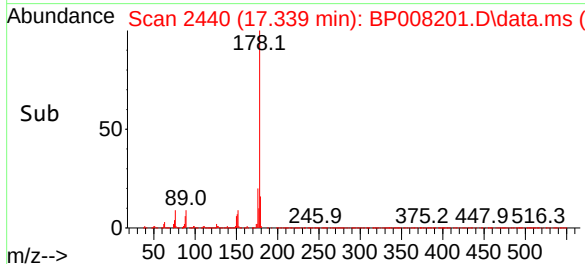
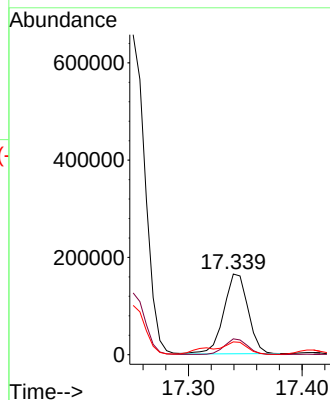
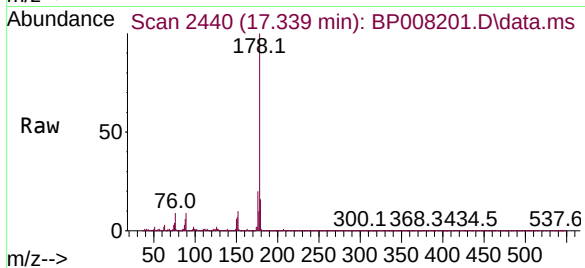
Tgt Ion:178 Resp: 244189

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

179 15.8 12.3 18.5



#73

Carbazole

Concen: 4.530 ng

RT: 17.616 min Scan# 2487

Delta R.T. -0.012 min

Lab File: BP008201.D

Acq: 02 Dec 2021 20:34

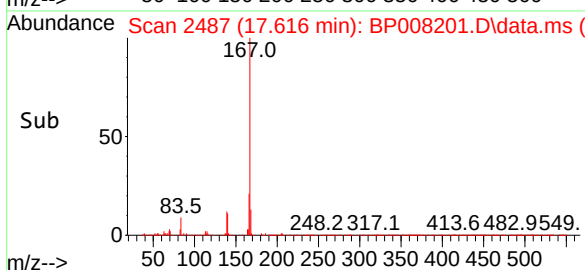
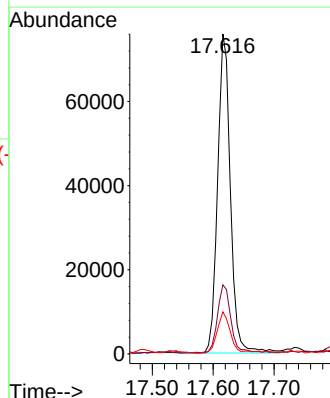
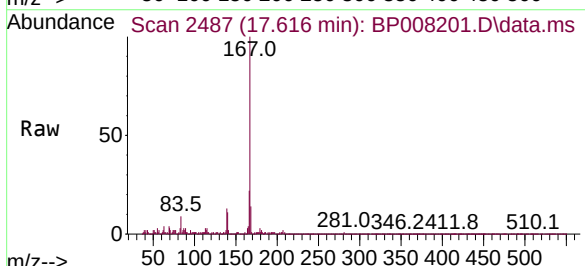
Tgt Ion:167 Resp: 110628

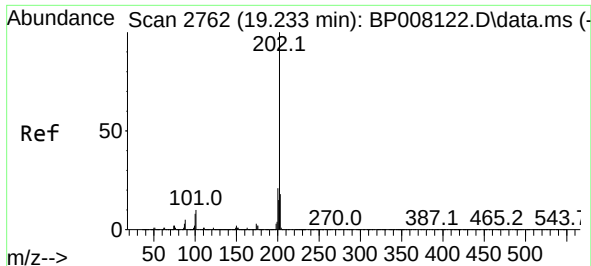
Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.0

139 13.2 10.2 15.2

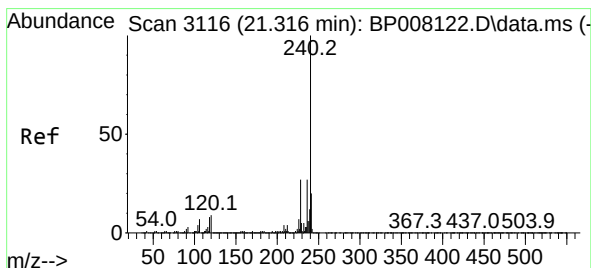
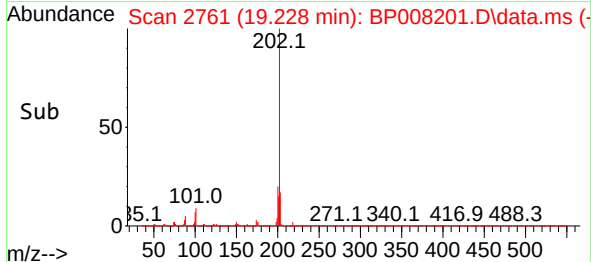
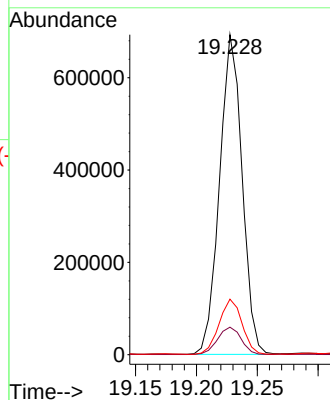
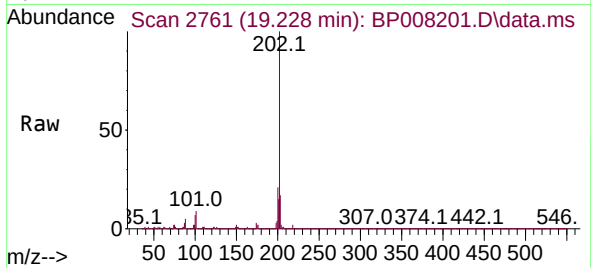




#75
Fluoranthene
Concen: 26.301 ng
RT: 19.228 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

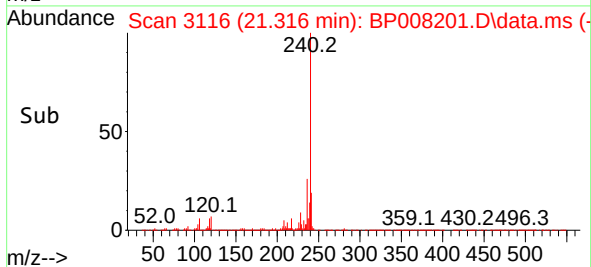
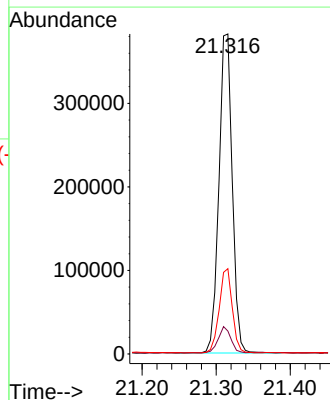
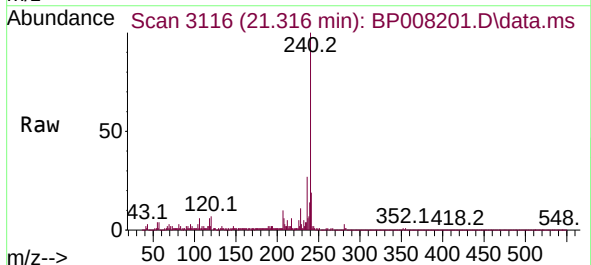
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

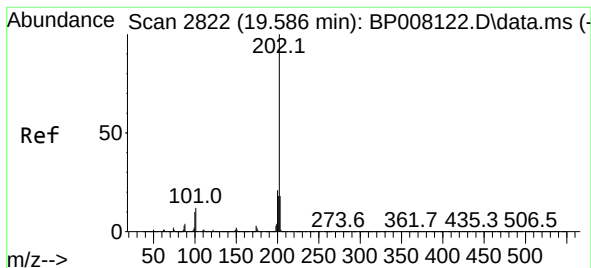
Tgt Ion:202 Resp: 893244
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.8
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:240 Resp: 477776
Ion Ratio Lower Upper
240 100
120 7.1 7.3 10.9#
236 26.6 21.4 32.2





#78

Pyrene

Concen: 24.182 ng

RT: 19.581 min Scan# 2822

Delta R.T. -0.005 min

Lab File: BP008201.D

Acq: 02 Dec 2021 20:34

Instrument :

BNA_P

ClientSampleId :

SAMPLE-2DL

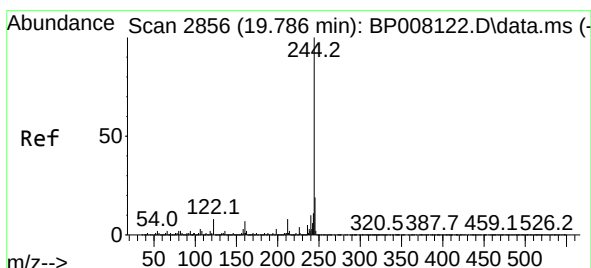
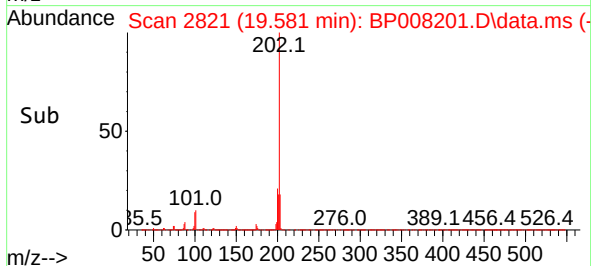
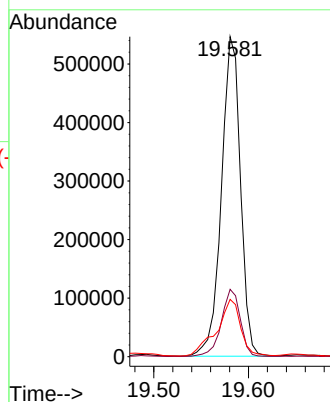
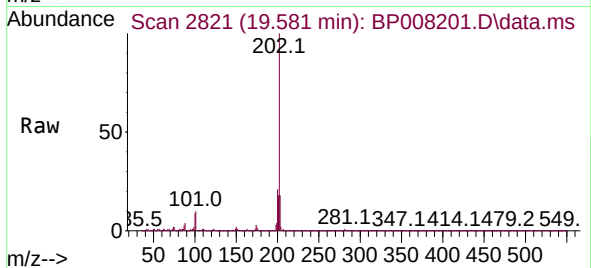
Tgt Ion:202 Resp: 763729

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 13.586 ng

RT: 19.775 min Scan# 2854

Delta R.T. -0.011 min

Lab File: BP008201.D

Acq: 02 Dec 2021 20:34

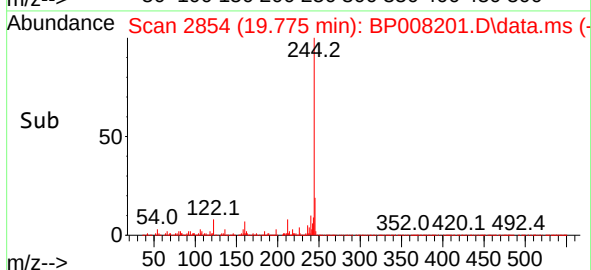
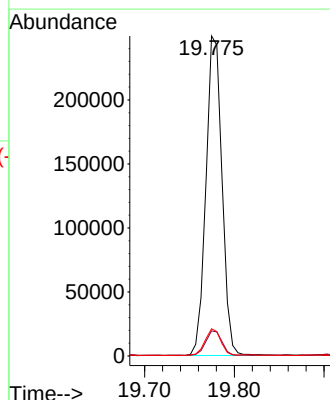
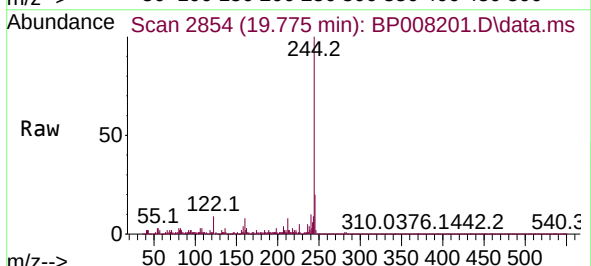
Tgt Ion:244 Resp: 310583

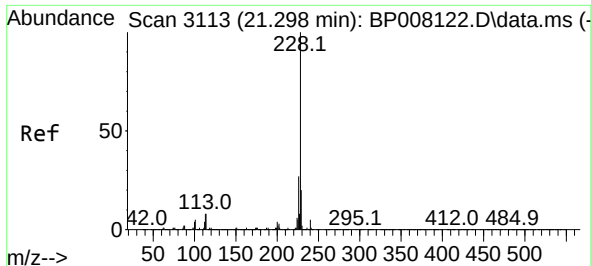
Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

122 8.5 6.6 9.8

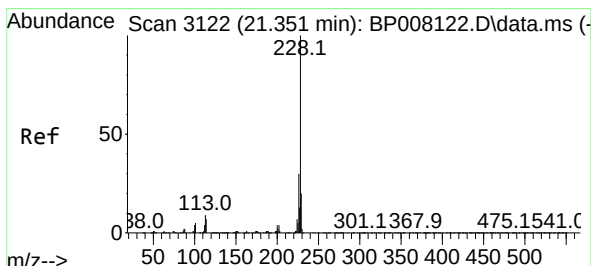
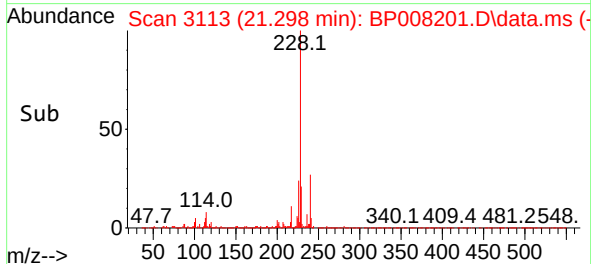
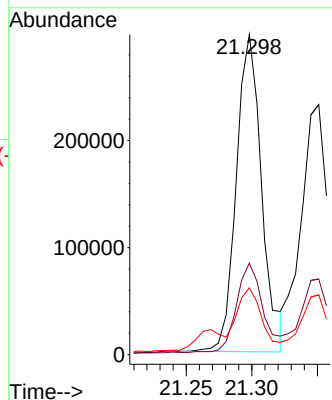
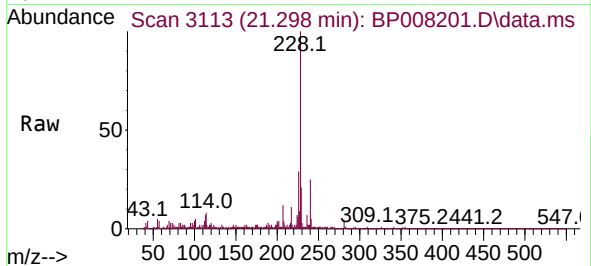




#81
Benzo(a)anthracene
Concen: 12.573 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

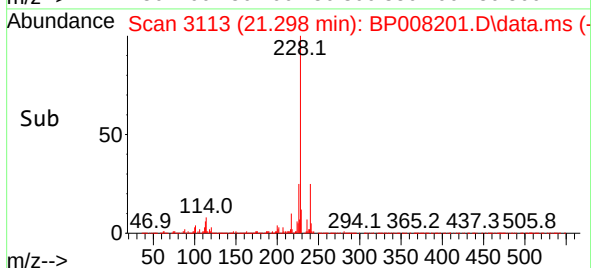
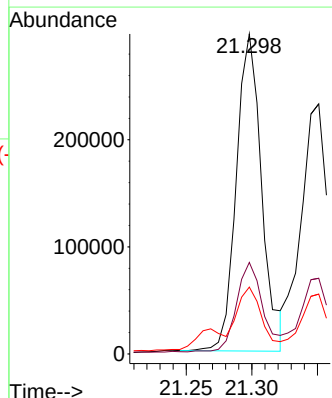
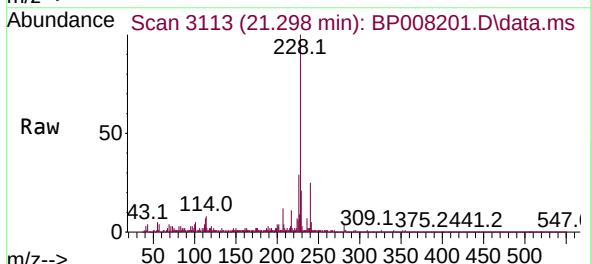
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

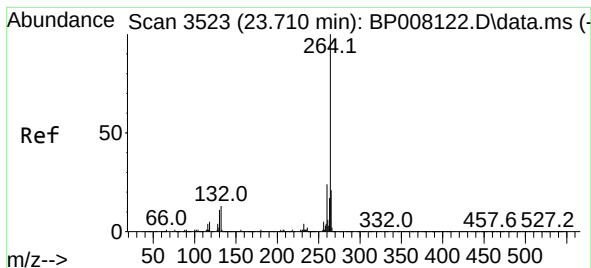
Tgt Ion:228 Resp: 398134
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 20.9 15.9 23.9



#83
Chrysene
Concen: 13.213 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.053 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:228 Resp: 398134
Ion Ratio Lower Upper
228 100
226 28.6 24.0 36.0
229 20.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.716 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP008201.D

Acq: 02 Dec 2021 20:34

Instrument :

BNA_P

ClientSampleId :

SAMPLE-2DL

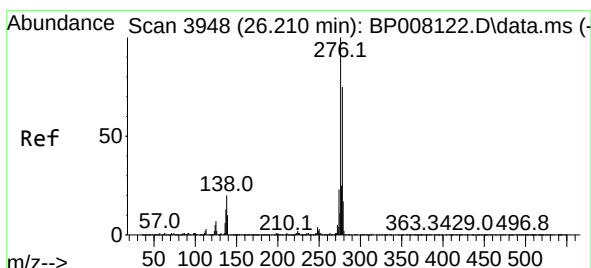
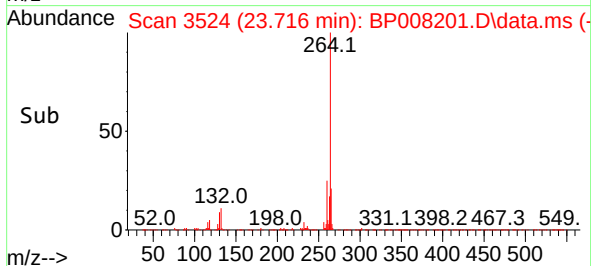
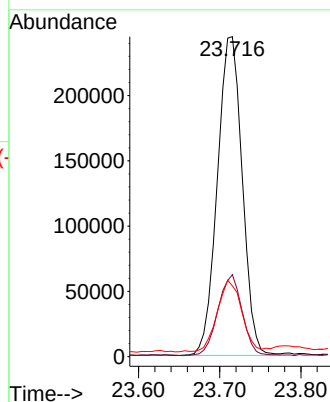
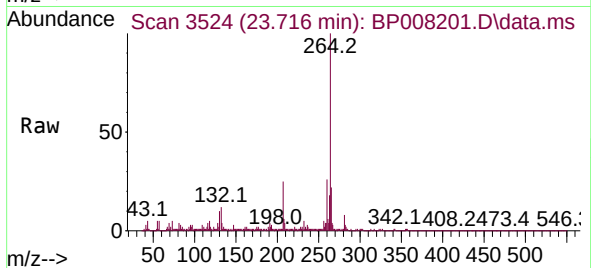
Tgt Ion:264 Resp: 520817

Ion Ratio Lower Upper

264 100

260 25.6 19.4 29.2

265 22.1 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.832 ng

RT: 26.215 min Scan# 3949

Delta R.T. 0.006 min

Lab File: BP008201.D

Acq: 02 Dec 2021 20:34

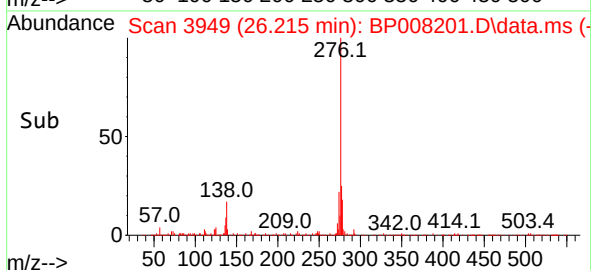
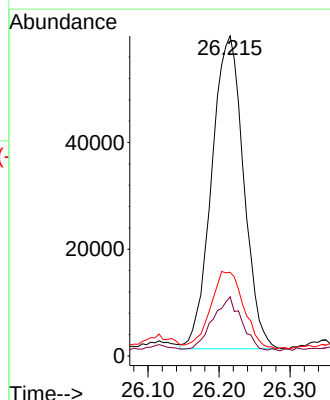
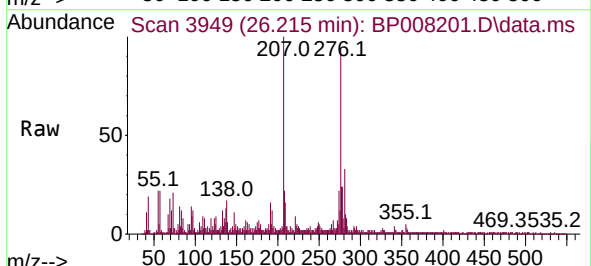
Tgt Ion:276 Resp: 183083

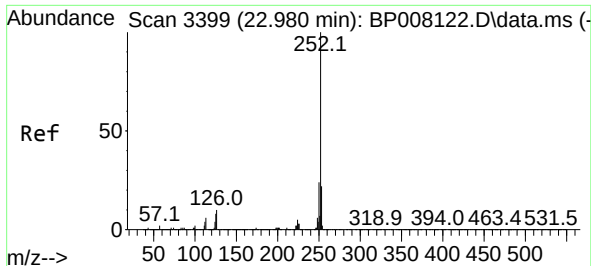
Ion Ratio Lower Upper

276 100

138 15.5 16.6 25.0#

277 25.0 20.2 30.2

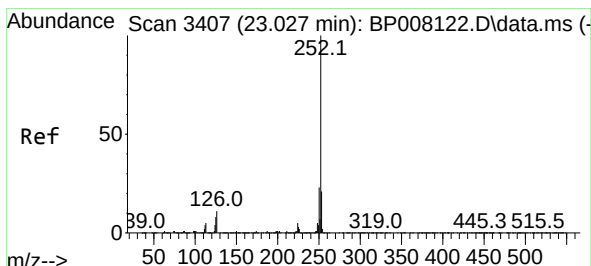
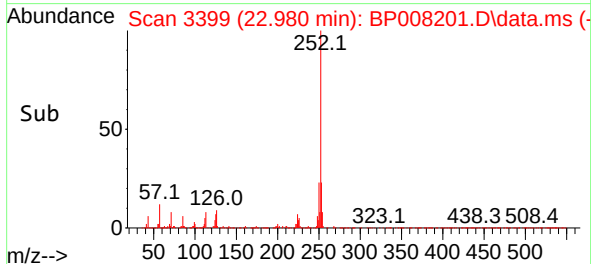
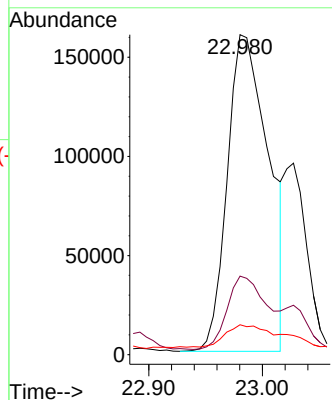
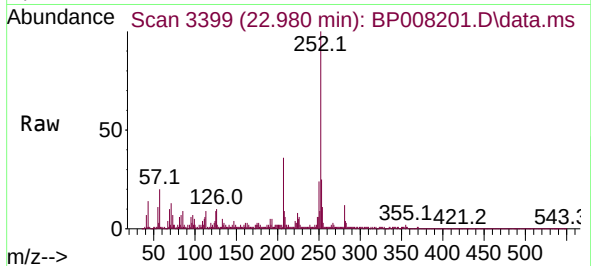




#88
Benzo(b)fluoranthene
Concen: 12.825 ng
RT: 22.980 min Scan# 3399
Delta R.T. -0.000 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

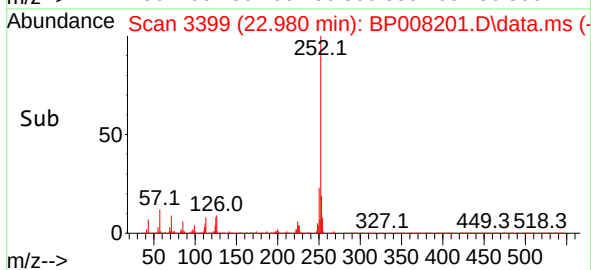
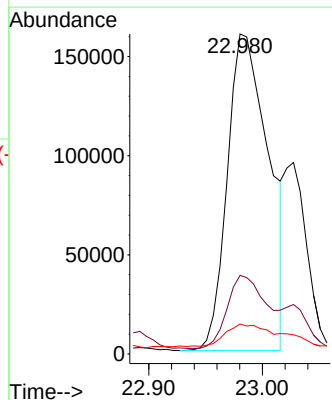
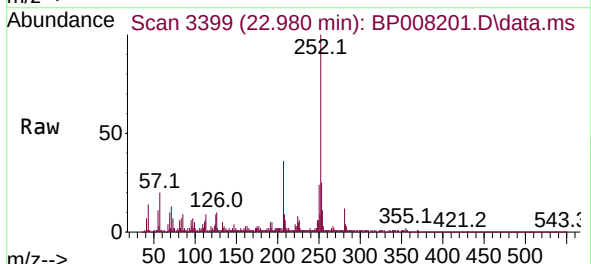
Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

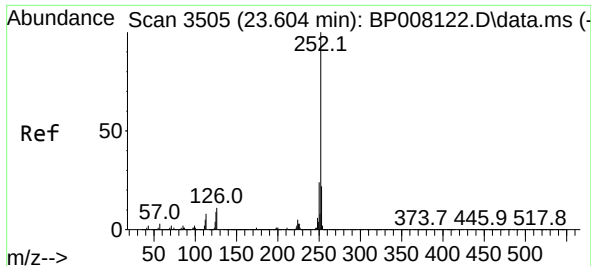
Tgt Ion:252 Resp: 402673
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 9.4 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 13.100 ng
RT: 22.980 min Scan# 3399
Delta R.T. -0.047 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:252 Resp: 402673
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 9.4 6.5 9.7

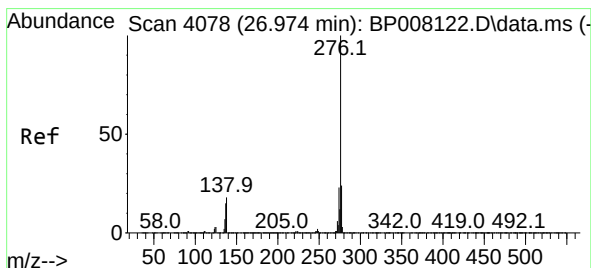
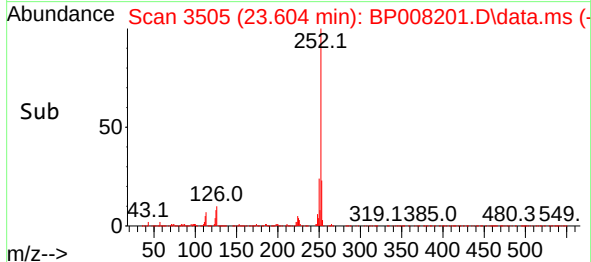
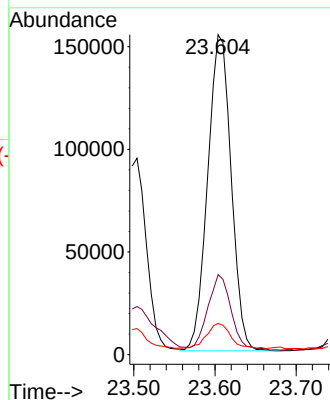
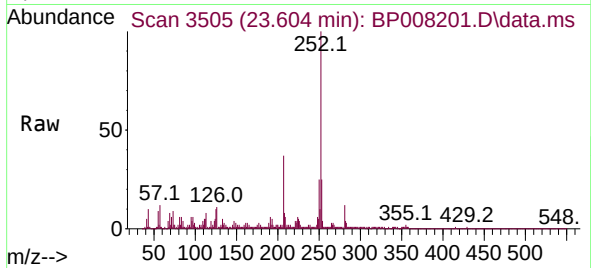




#90
Benzo(a)pyrene
Concen: 11.531 ng
RT: 23.604 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2DL

Tgt Ion:252 Resp: 309439
Ion Ratio Lower Upper
252 100
253 25.0 17.6 26.4
125 9.8 7.4 11.0



#92
Benzo(g,h,i)perylene
Concen: 5.301 ng
RT: 26.980 min Scan# 4079
Delta R.T. 0.006 min
Lab File: BP008201.D
Acq: 02 Dec 2021 20:34

Tgt Ion:276 Resp: 168288
Ion Ratio Lower Upper
276 100
277 24.9 20.0 30.0
138 17.2 14.1 21.1

