

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
 Data File : BP021611.D
 Acq On : 22 Aug 2024 12:57
 Operator : RC/JU
 Sample : P3671-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-905-KJ-SO-0-0.5-081924

Quant Time: Aug 22 13:43:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 11:12:31 2024
 Response via : Initial Calibration

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

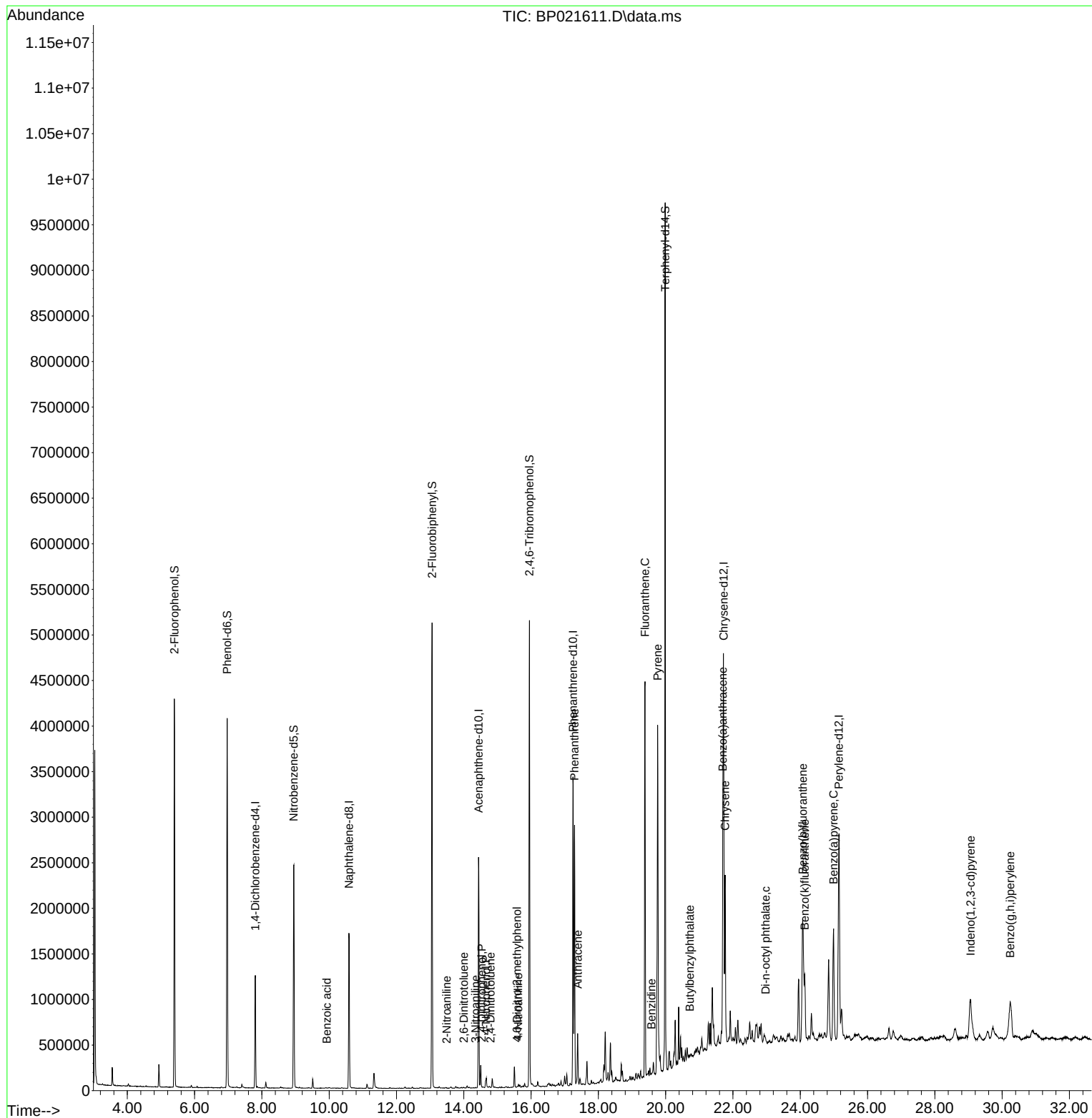
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	333595	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1347155	20.000	ng	0.00
39) Acenaphthene-d10	14.439	164	908710	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	2015238	20.000	ng	0.00
76) Chrysene-d12	21.721	240	2006773	20.000	ng	0.00
86) Perylene-d12	25.151	264	2308445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1910919	85.057	ng	0.00
7) Phenol-d6	6.969	99	2709912	82.687	ng	0.00
23) Nitrobenzene-d5	8.946	82	1596220	61.158	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	990170	97.905	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	2543141	42.711	ng	0.00
79) Terphenyl-d14	19.986	244	4087629	39.572	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.710	139	52	Below Cal	#	1
32) Benzoic acid	9.928	122	255	3.355	ng	# 24
48) 2-Nitroaniline	13.492	65	115	5.155	ng	# 51
51) 2,6-Dinitrotoluene	14.004	165	74	3.991	ng	# 36
53) 3-Nitroaniline	14.351	138	224	3.986	ng	# 29
54) 2,4-Dinitrophenol	14.534	184	40	2.448	ng	# 1
56) 4-Nitrophenol	14.663	139	1543	5.222	ng	# 41
57) 2,4-Dinitrotoluene	14.798	165	342	5.042	ng	# 95
62) 4-Nitroaniline	15.622	138	269	2.955	ng	# 88
65) 4,6-Dinitro-2-methylph...	15.581	198	67	4.620	ng	# 1
71) Phenanthrene	17.292	178	1717372	17.720	ng	# 99
72) Anthracene	17.386	178	360483	3.793	ng	# 99
75) Fluoranthene	19.386	202	2944521	24.761	ng	# 99
77) Benzidine	19.580	184	1499	4.597	ng	# 81
78) Pyrene	19.763	202	2542639	19.385	ng	# 100
80) Butylbenzylphthalate	20.716	149	2830	3.655	ng	# 77
81) Benzo(a)anthracene	21.698	228	1317142	10.455	ng	# 97
83) Chrysene	21.768	228	1272995	10.703	ng	# 97
85) Di-n-octyl phthalate	22.974	149	2408	4.853	ng	# 17
87) Indeno(1,2,3-cd)pyrene	29.068	276	823898	5.506	ng	# 91
88) Benzo(b)fluoranthene	24.074	252	1740944	13.131	ng	# 99
89) Benzo(k)fluoranthene	24.133	252	535425	4.140	ng	# 97
90) Benzo(a)pyrene	24.992	252	1240051	10.778	ng	# 100
92) Benzo(g,h,i)perylene	30.244	276	789547	6.336	ng	# 98

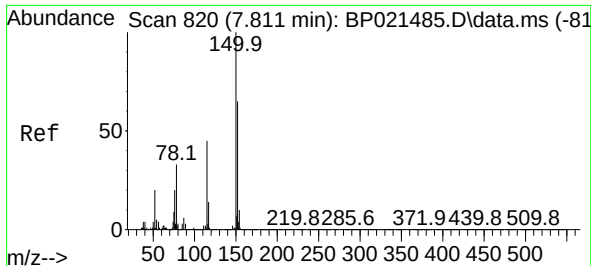
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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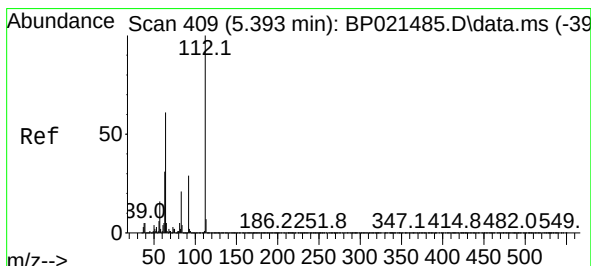
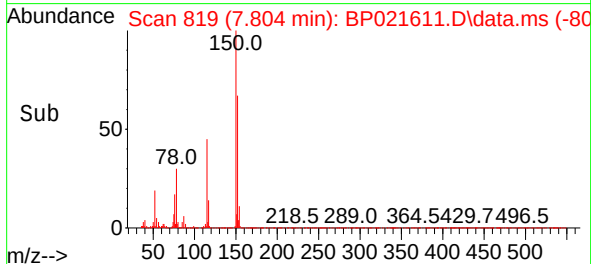
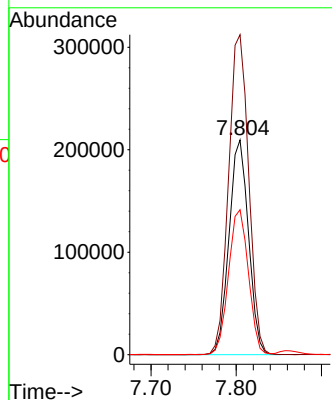
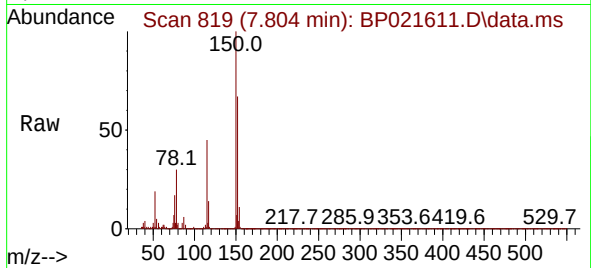




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

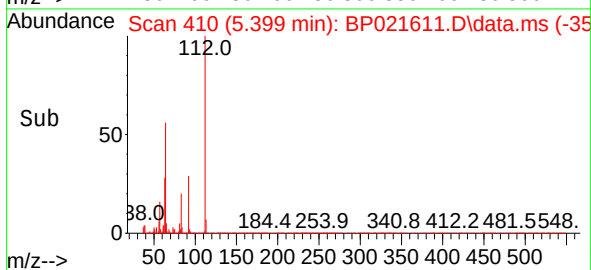
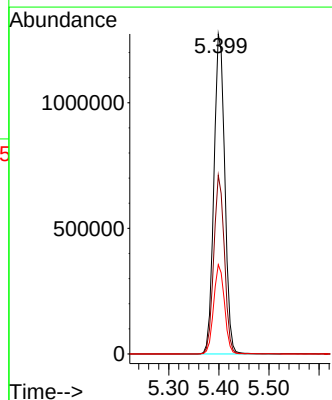
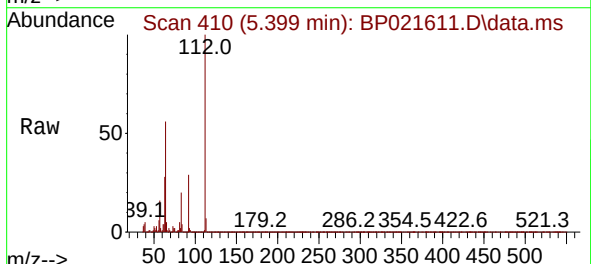
Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

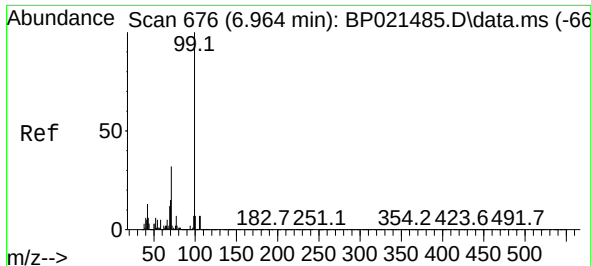
Tgt Ion:152 Resp: 333595
Ion Ratio Lower Upper
152 100
150 149.0 122.4 183.6
115 67.5 54.7 82.1



#5
2-Fluorophenol
Concen: 85.057 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:112 Resp: 1910919
Ion Ratio Lower Upper
112 100
64 55.9 49.0 73.6
63 27.9 24.6 36.8





#7

Phenol-d6

Concen: 82.687 ng

RT: 6.969 min Scan# 61

Delta R.T. -0.000 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

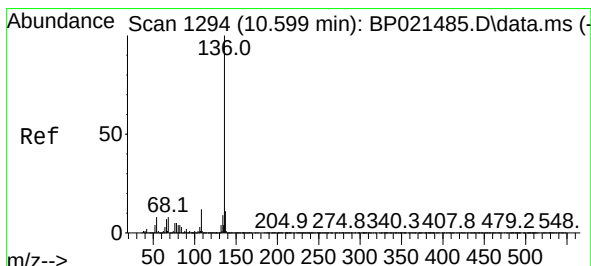
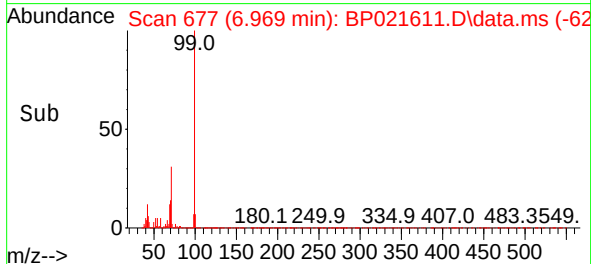
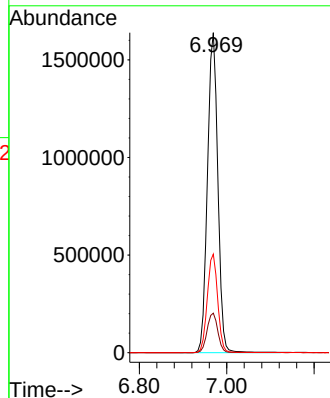
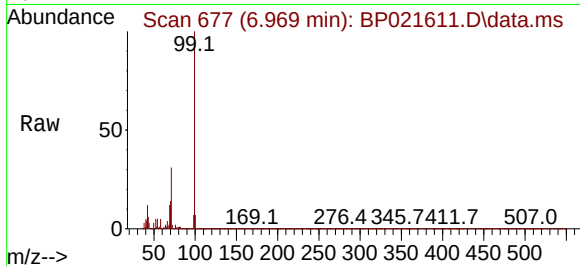
BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

Tgt Ion: 99 Resp: 2709912

Ion	Ratio	Lower	Upper
99	100		
42	12.3	10.2	15.4
71	30.8	25.8	38.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.587 min Scan# 1292

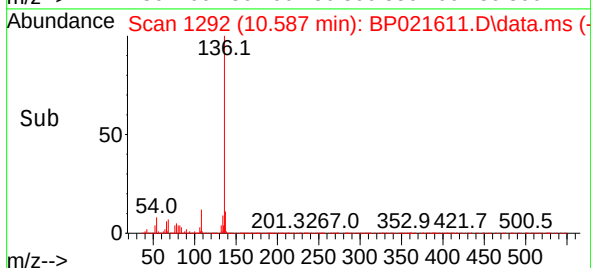
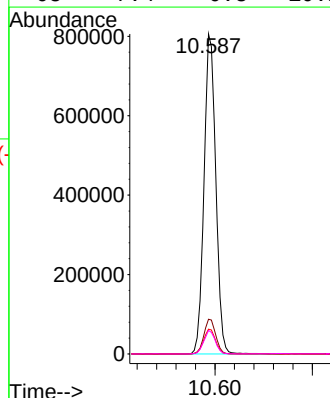
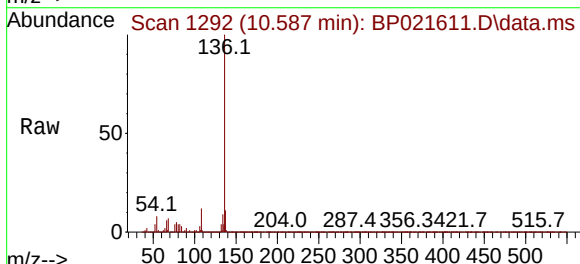
Delta R.T. -0.000 min

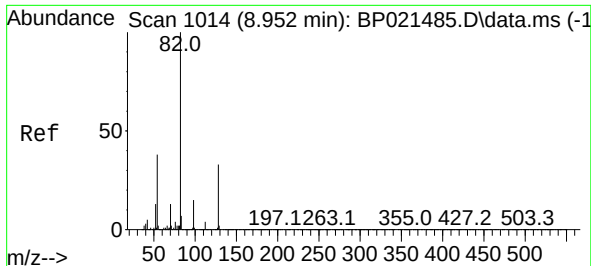
Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Tgt Ion:136 Resp: 1347155

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.7	6.3	9.5
68	7.4	6.8	10.2





#23

Nitrobenzene-d5

Concen: 61.158 ng

RT: 8.946 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

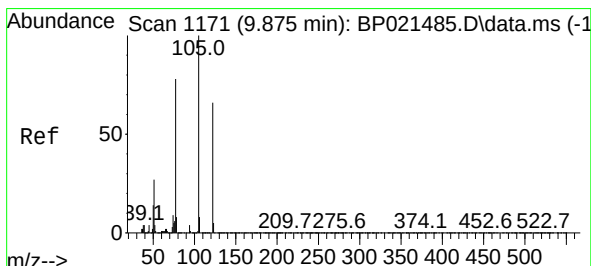
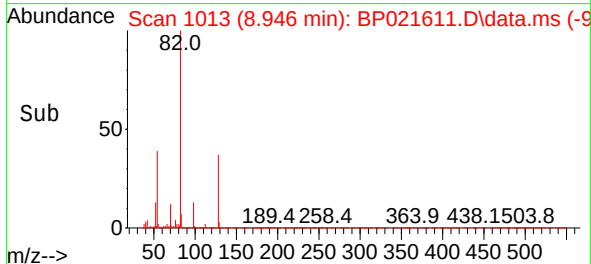
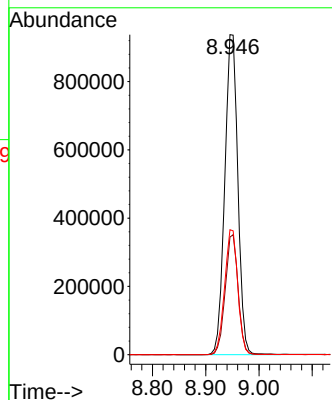
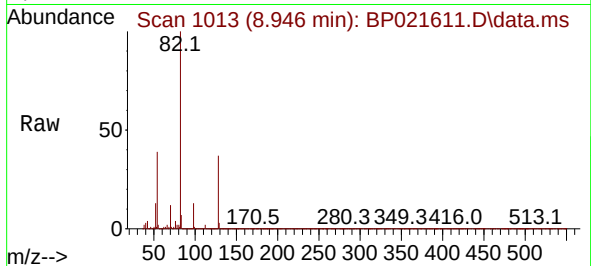
Tgt Ion: 82 Resp: 1596220

Ion Ratio Lower Upper

82 100

128 36.7 26.5 39.7

54 39.0 30.3 45.5



#32

Benzoic acid

Concen: 3.355 ng

RT: 9.928 min Scan# 1180

Delta R.T. 0.035 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

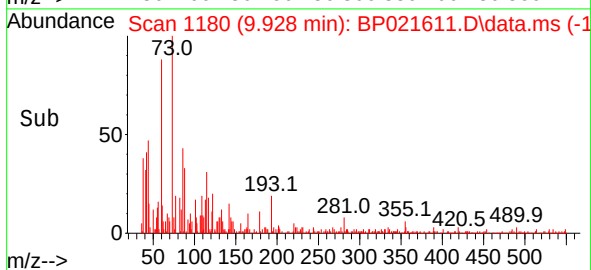
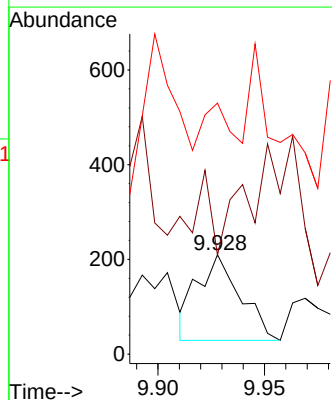
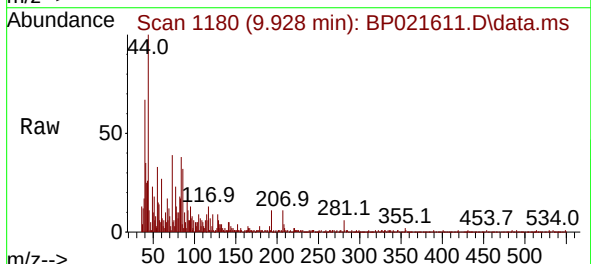
Tgt Ion: 122 Resp: 255

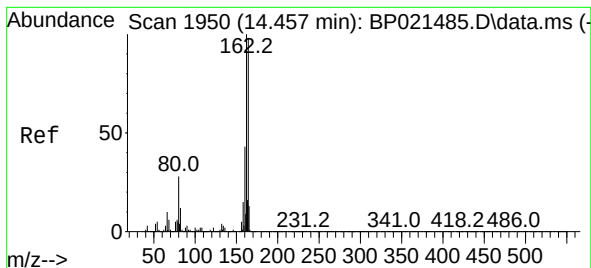
Ion Ratio Lower Upper

122 100

105 99.5 124.6 164.6#

77 252.4 96.2 136.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.439 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

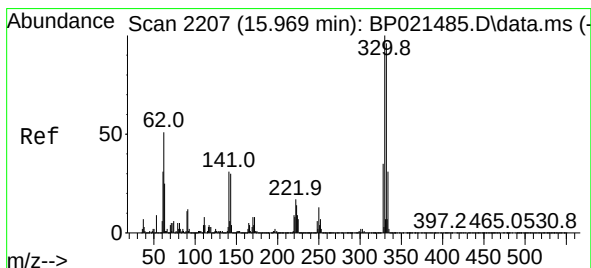
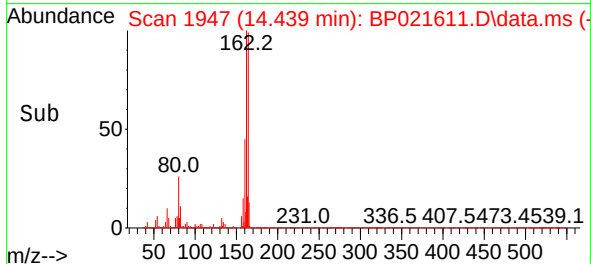
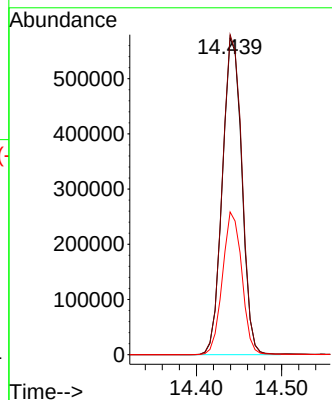
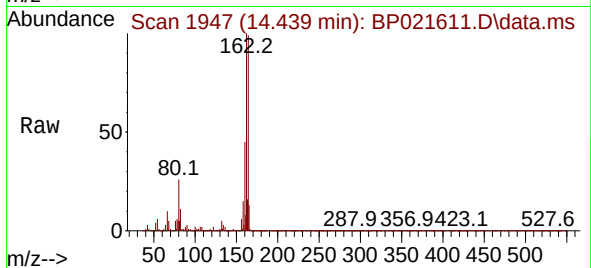
Tgt Ion:164 Resp: 908710

Ion Ratio Lower Upper

164 100

162 101.0 81.5 122.3

160 45.0 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 97.905 ng

RT: 15.951 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

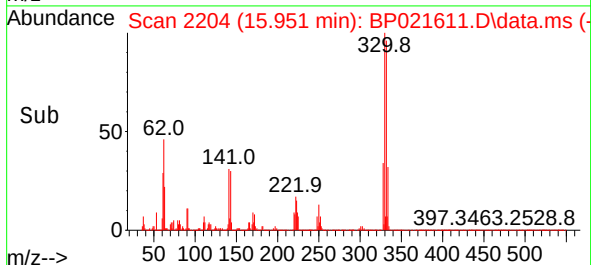
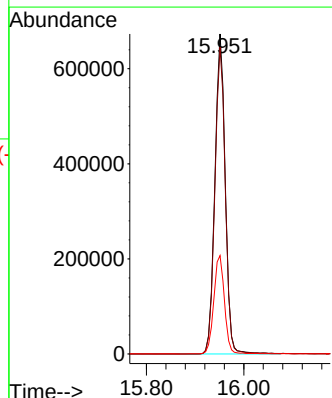
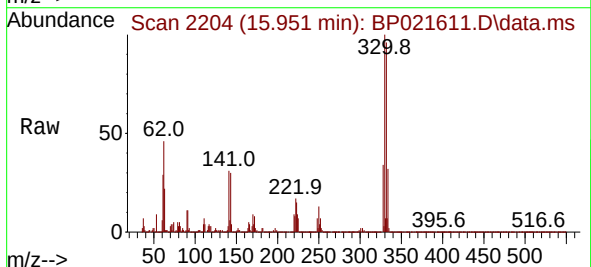
Tgt Ion:330 Resp: 990170

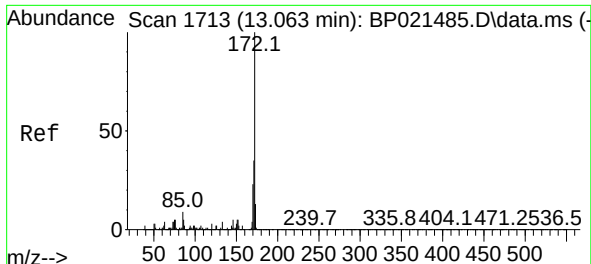
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

141 31.6 24.5 36.7

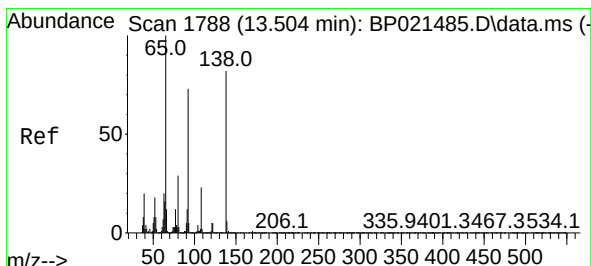
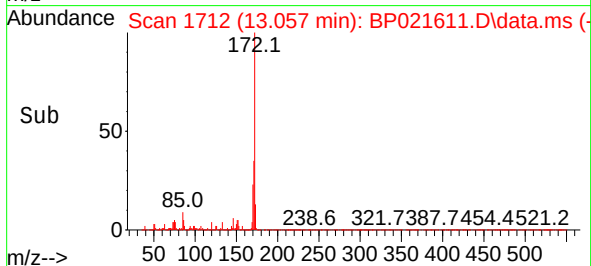
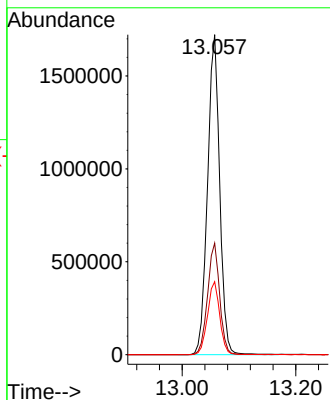
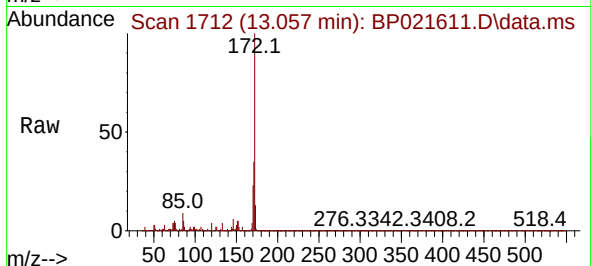




#45
2-Fluorobiphenyl
Concen: 42.711 ng
RT: 13.057 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

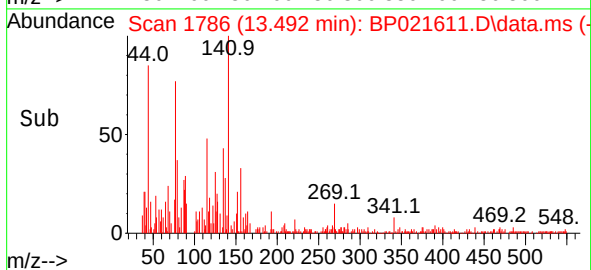
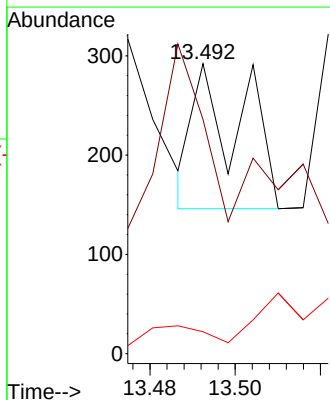
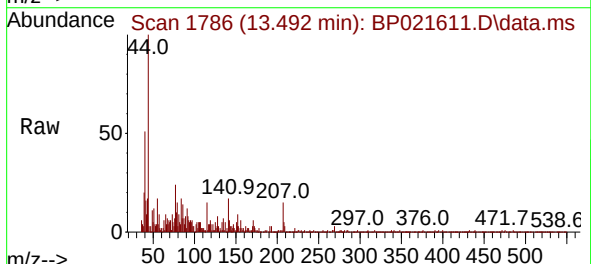
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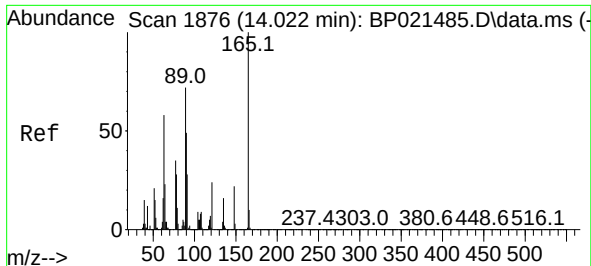
Tgt Ion:172 Resp: 2543141
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.8 18.4 27.6



#48
2-Nitroaniline
Concen: 5.155 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.012 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion: 65 Resp: 115
Ion Ratio Lower Upper
65 100
92 80.8 58.1 87.1
138 7.5 65.5 98.3#

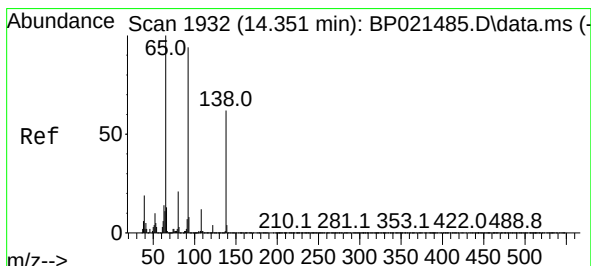
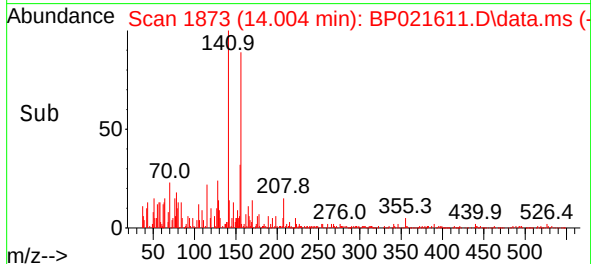
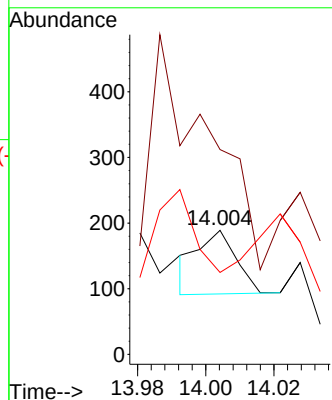
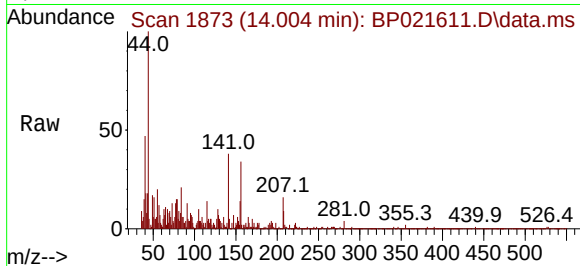




#51
2,6-Dinitrotoluene
Concen: 3.991 ng
RT: 14.004 min Scan# 1876
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

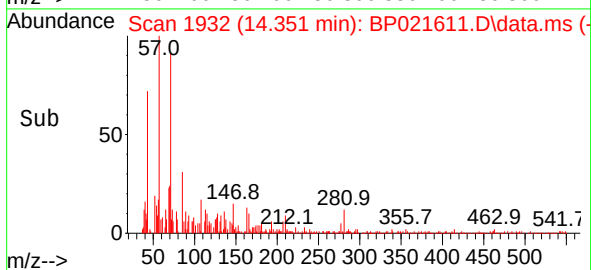
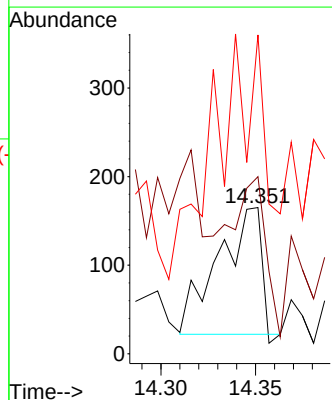
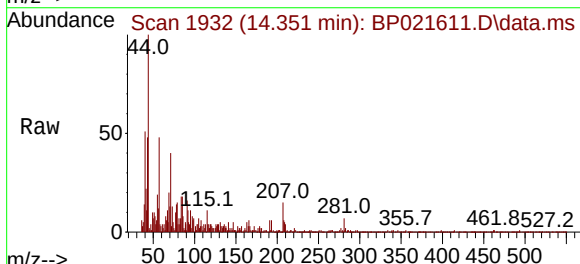
Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

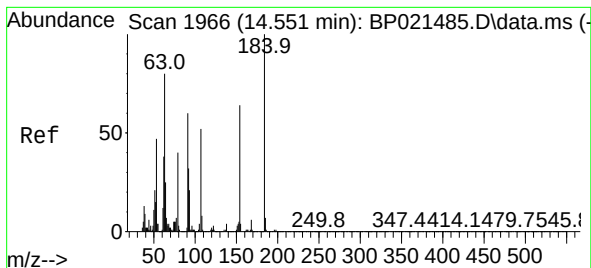
Tgt Ion:165 Resp: 74
Ion Ratio Lower Upper
165 100
63 165.1 51.5 77.3#
89 66.1 57.8 86.8



#53
3-Nitroaniline
Concen: 3.986 ng
RT: 14.351 min Scan# 1932
Delta R.T. 0.012 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:138 Resp: 224
Ion Ratio Lower Upper
138 100
108 121.2 16.2 24.4#
92 218.2 122.2 183.4#





#54

2,4-Dinitrophenol

Concen: 2.448 ng

RT: 14.534 min Scan# 1963

Delta R.T. -0.012 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

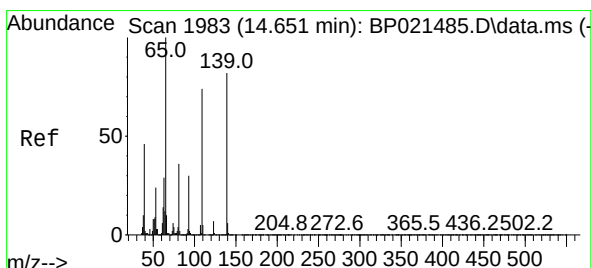
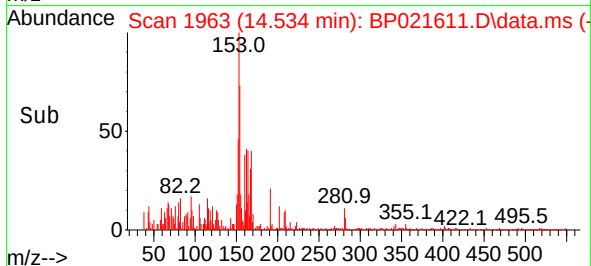
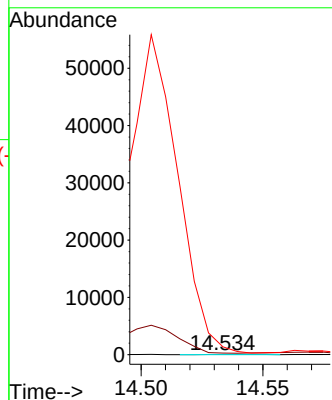
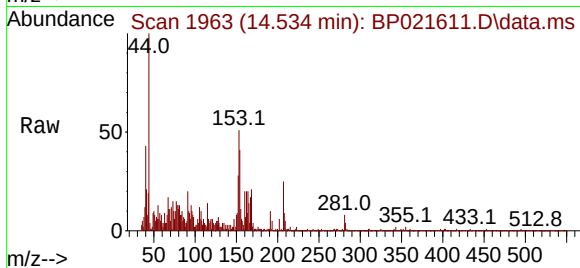
Tgt Ion:184 Resp: 40

Ion Ratio Lower Upper

184 100

63 1092.6 64.9 97.3#

154 5100.0 52.1 78.1#



#56

4-Nitrophenol

Concen: 5.222 ng

RT: 14.663 min Scan# 1985

Delta R.T. 0.012 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

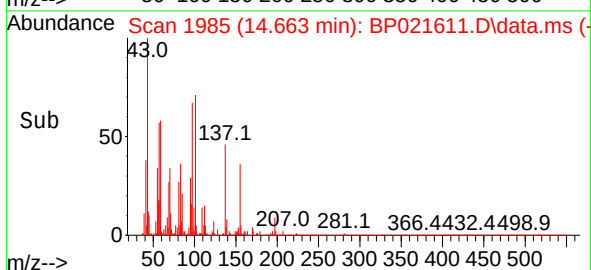
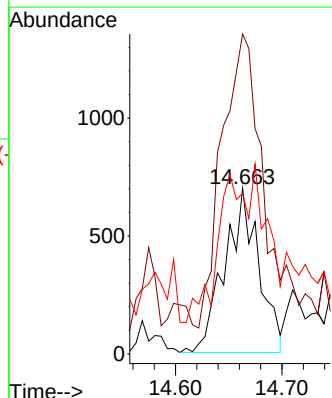
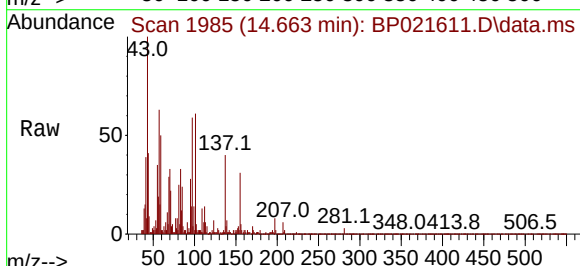
Tgt Ion:139 Resp: 1543

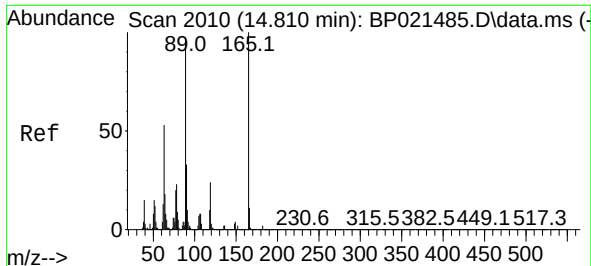
Ion Ratio Lower Upper

139 100

109 193.3 70.2 110.2#

65 97.0 101.8 141.8#

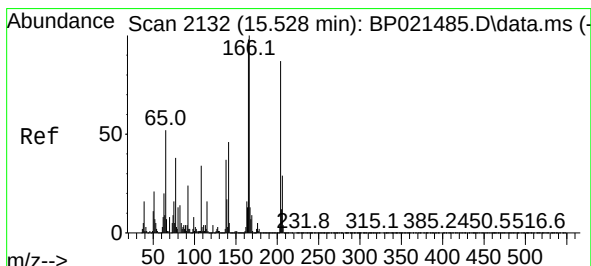
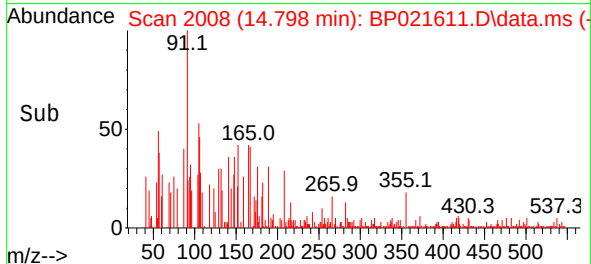
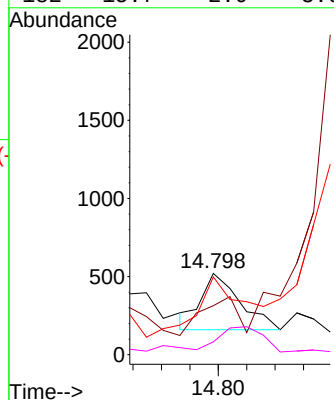
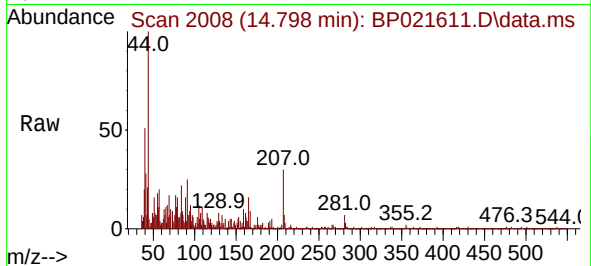




#57
2,4-Dinitrotoluene
Concen: 5.042 ng
RT: 14.798 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

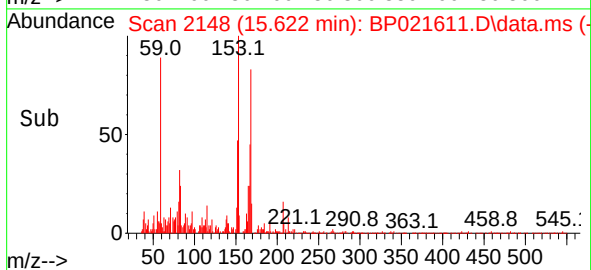
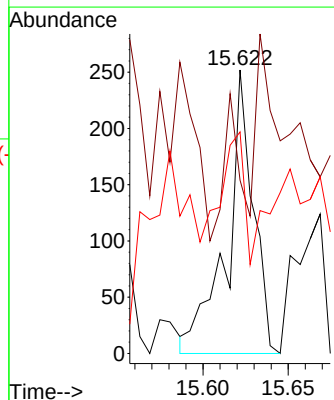
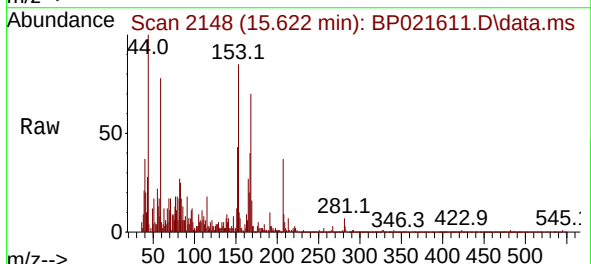
Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

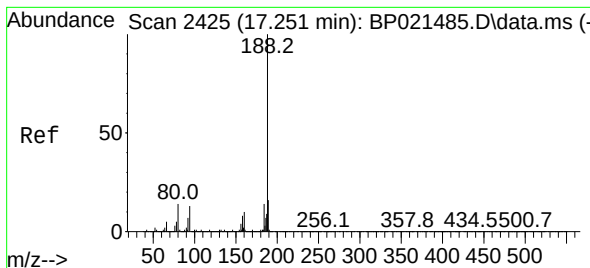
Tgt Ion:165 Resp: 342
Ion Ratio Lower Upper
165 100
63 60.3 42.5 63.7
89 95.6 77.1 115.7
182 15.7 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.955 ng
RT: 15.622 min Scan# 2148
Delta R.T. 0.112 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:138 Resp: 269
Ion Ratio Lower Upper
138 100
92 61.1 46.4 86.4
108 78.2 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.245 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

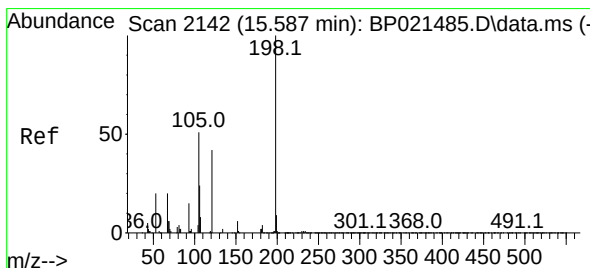
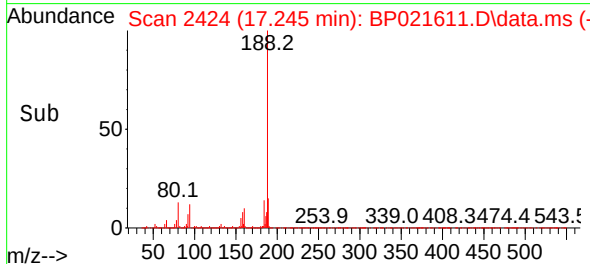
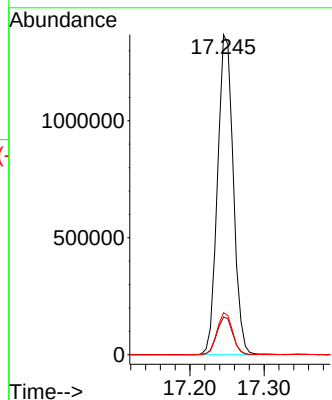
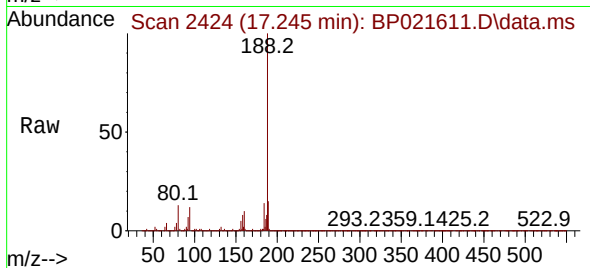
Tgt Ion:188 Resp: 2015238

Ion Ratio Lower Upper

188 100

94 11.8 10.2 15.4

80 13.1 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.620 ng

RT: 15.581 min Scan# 2141

Delta R.T. -0.006 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

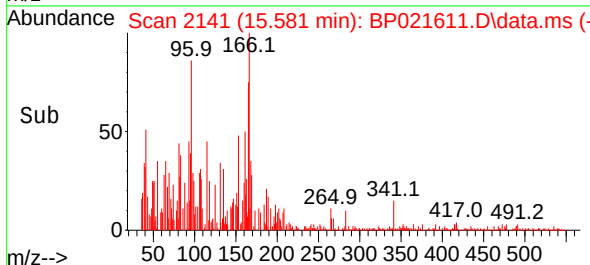
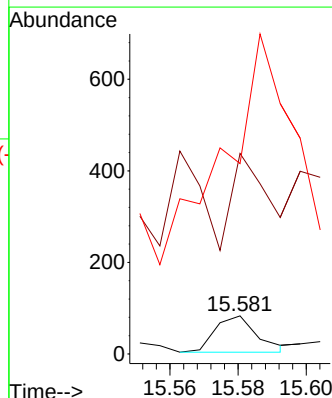
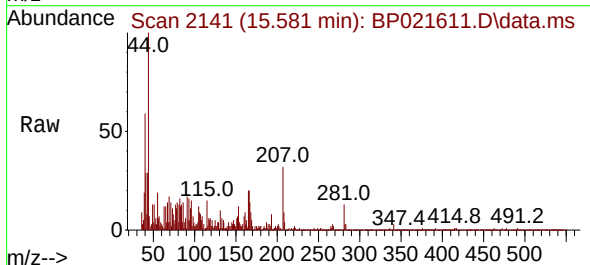
Tgt Ion:198 Resp: 67

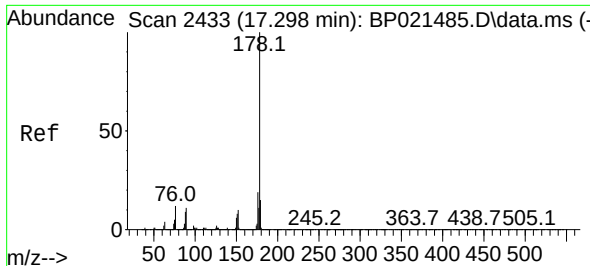
Ion Ratio Lower Upper

198 100

51 527.7 21.5 61.5#

105 501.2 32.9 72.9#

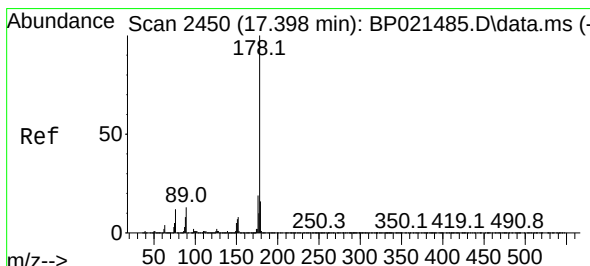
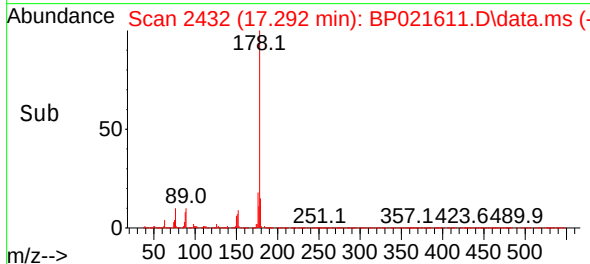
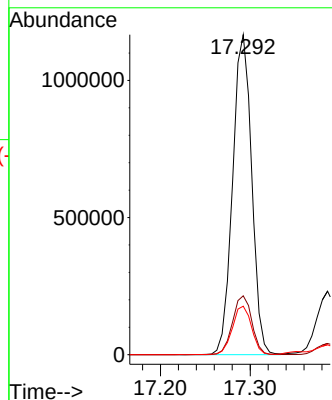
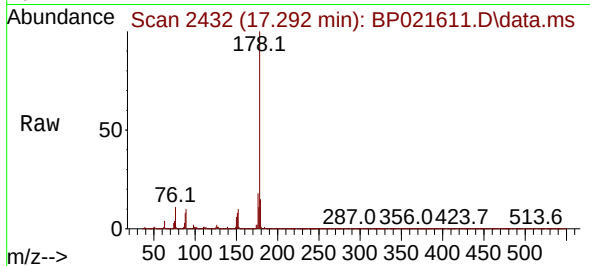




#71
Phenanthrene
Concen: 17.720 ng
RT: 17.292 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

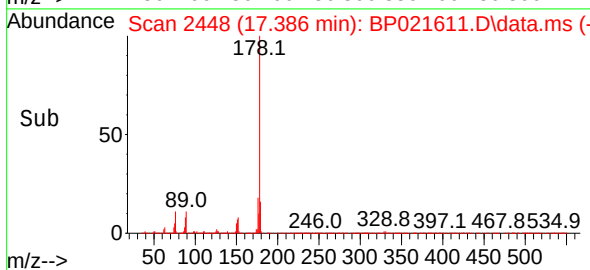
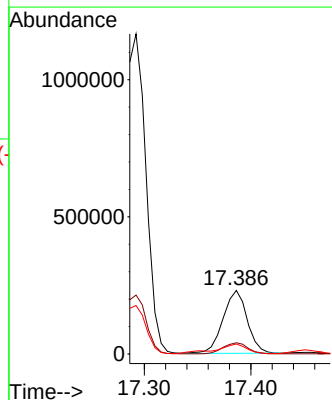
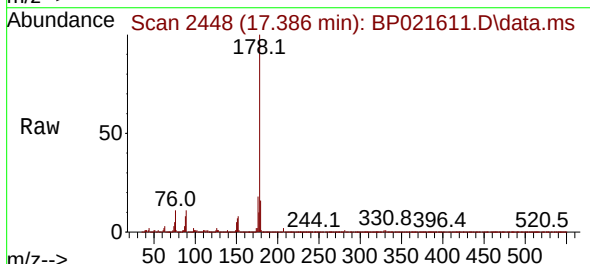
Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

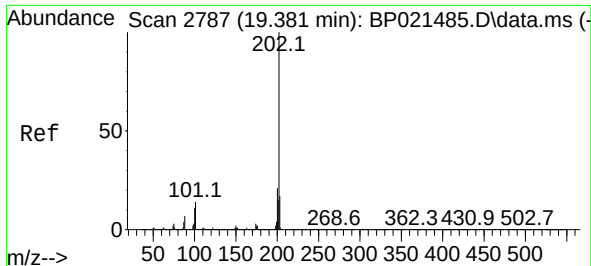
Tgt Ion:178 Resp: 1717372
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.2 12.4 18.6



#72
Anthracene
Concen: 3.793 ng
RT: 17.386 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:178 Resp: 360483
Ion Ratio Lower Upper
178 100
176 17.7 14.9 22.3
179 15.7 12.5 18.7

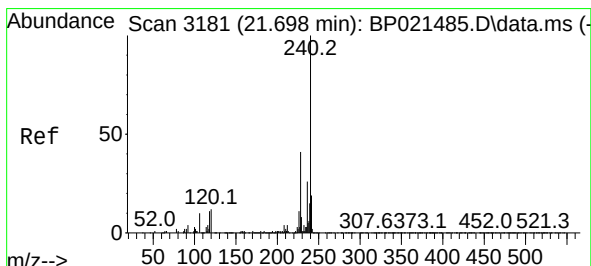
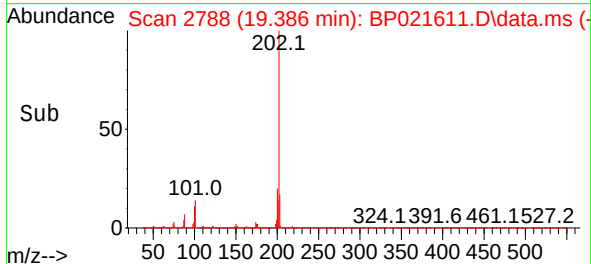
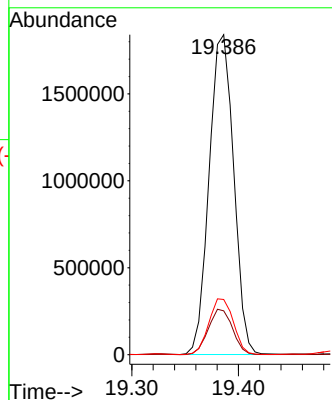
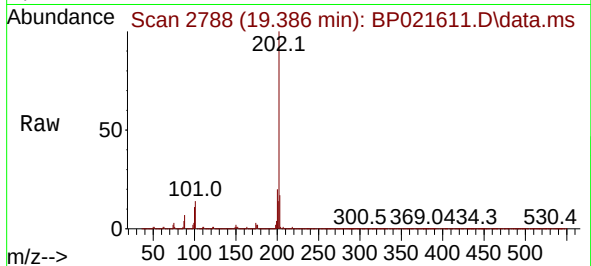




#75
Fluoranthene
Concen: 24.761 ng
RT: 19.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

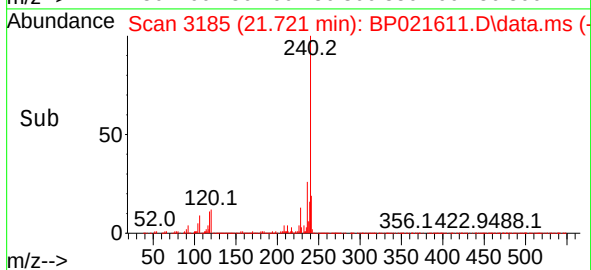
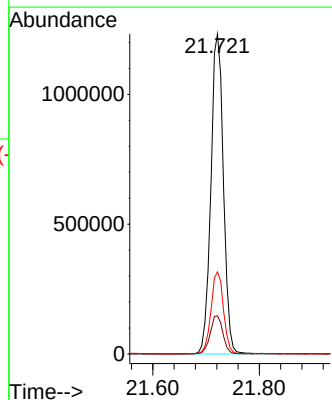
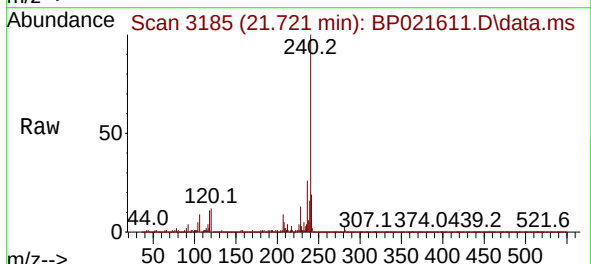
Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

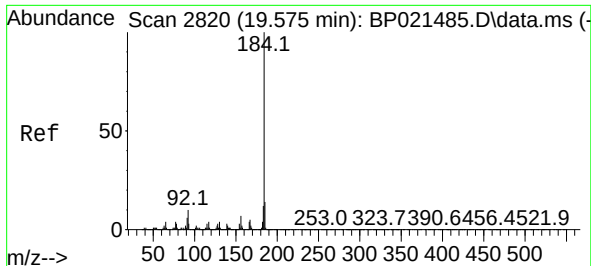
Tgt Ion:202 Resp: 2944521
Ion Ratio Lower Upper
202 100
101 13.7 0.0 34.0
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3185
Delta R.T. 0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:240 Resp: 2006773
Ion Ratio Lower Upper
240 100
120 11.9 9.9 14.9
236 25.6 20.6 30.8

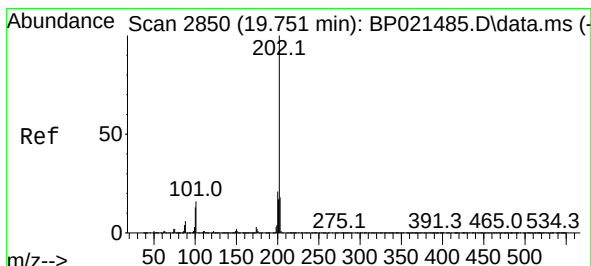
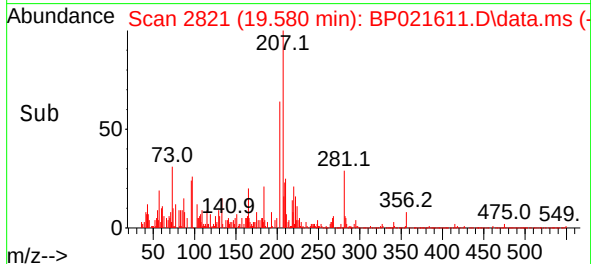
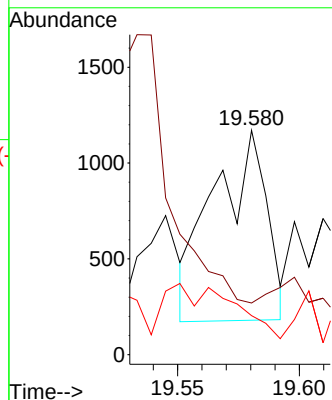
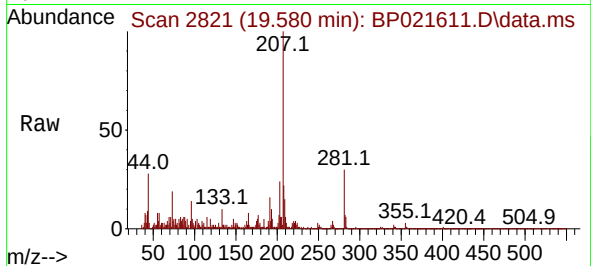




#77
Benzidine
Concen: 4.597 ng
RT: 19.580 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

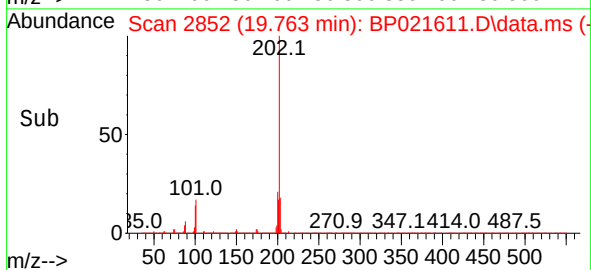
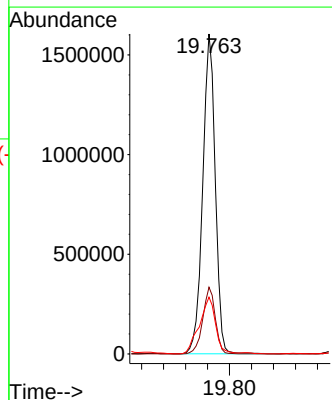
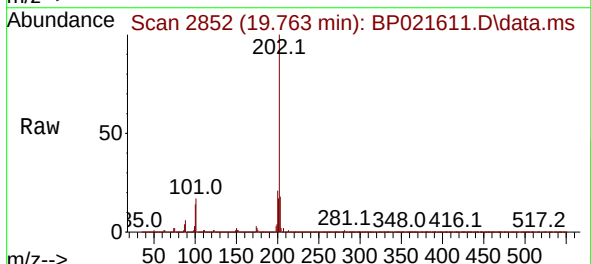
Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

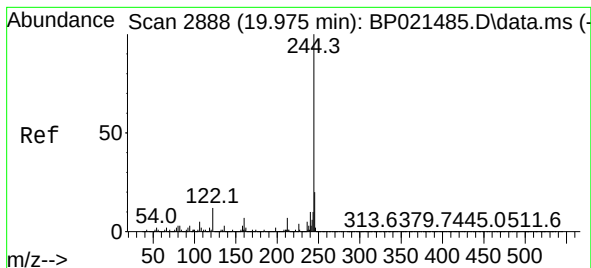
Tgt Ion:184 Resp: 1499
Ion Ratio Lower Upper
184 100
185 23.1 11.4 17.0#
183 17.4 9.3 13.9#



#78
Pyrene
Concen: 19.385 ng
RT: 19.763 min Scan# 2852
Delta R.T. 0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:202 Resp: 2542639
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 39.572 ng

RT: 19.986 min Scan# 2888

Delta R.T. 0.012 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

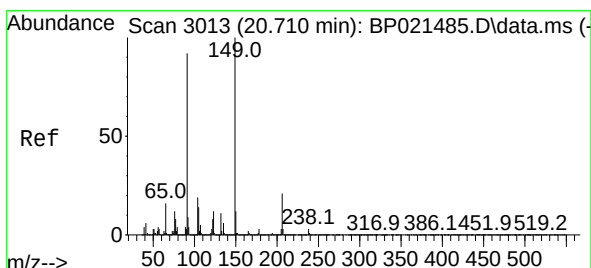
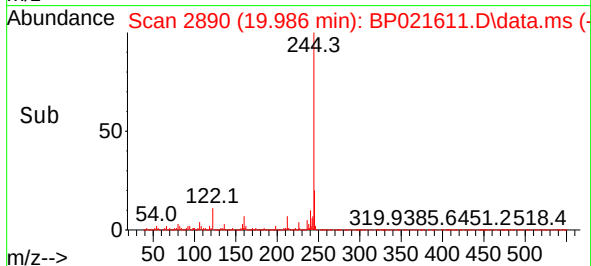
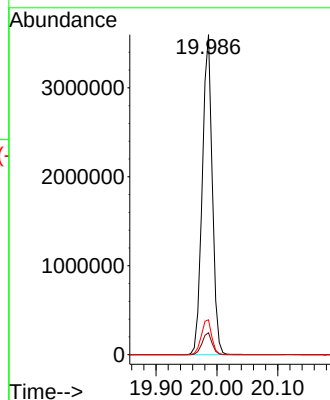
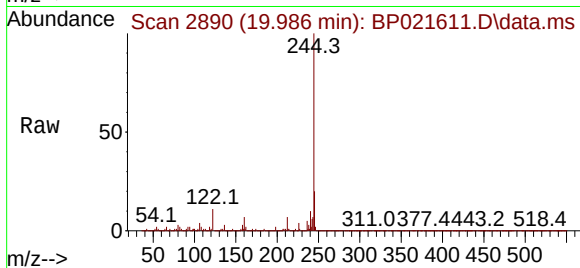
Tgt Ion:244 Resp: 4087629

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.9 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.655 ng

RT: 20.716 min Scan# 3014

Delta R.T. 0.006 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

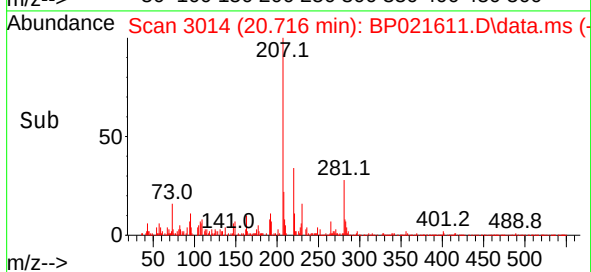
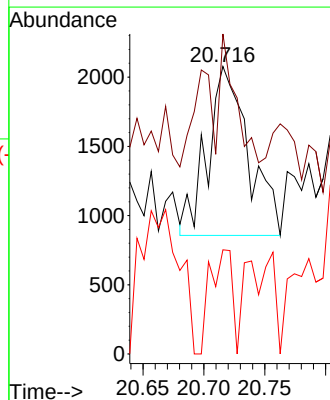
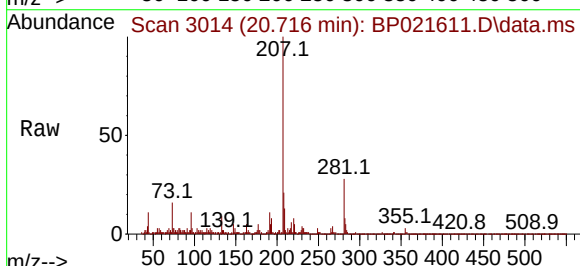
Tgt Ion:149 Resp: 2830

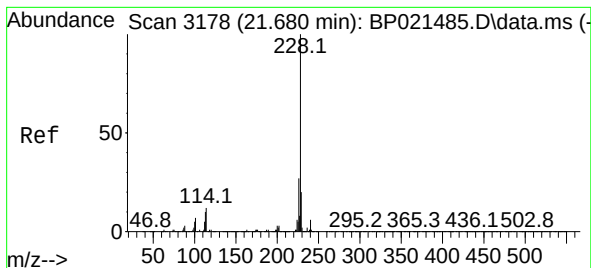
Ion Ratio Lower Upper

149 100

91 111.3 73.3 109.9#

206 36.3 17.1 25.7#





#81

Benzo(a)anthracene

Concen: 10.455 ng

RT: 21.698 min Scan# 3181

Delta R.T. -0.000 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

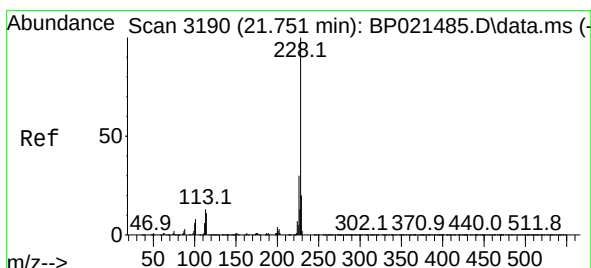
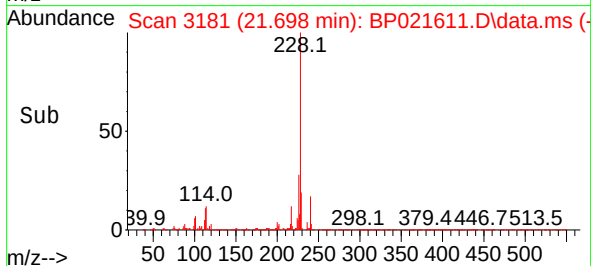
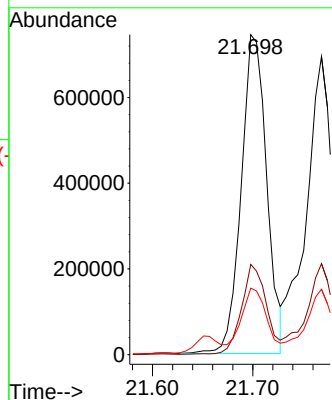
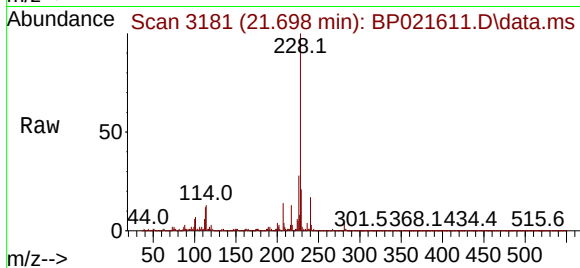
Tgt Ion:228 Resp: 1317142

Ion Ratio Lower Upper

228 100

226 28.2 21.4 32.2

229 20.8 15.8 23.6



#83

Chrysene

Concen: 10.703 ng

RT: 21.768 min Scan# 3193

Delta R.T. -0.000 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

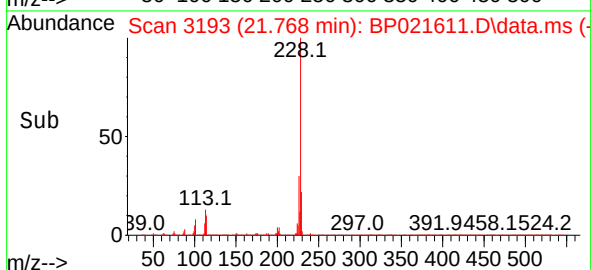
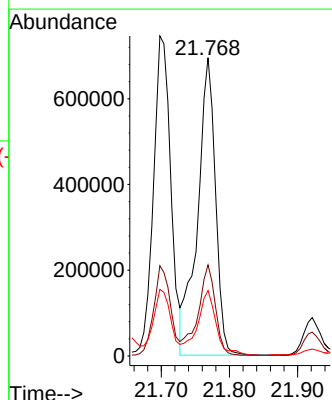
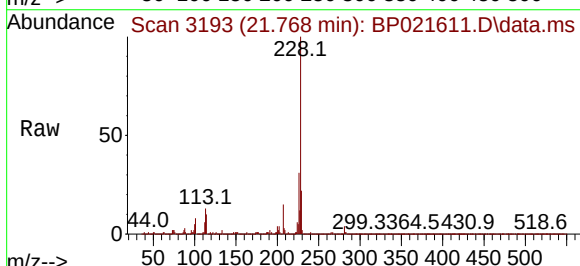
Tgt Ion:228 Resp: 1272995

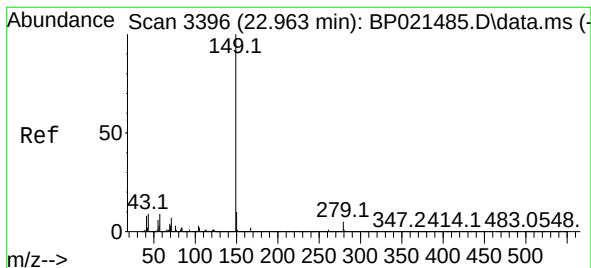
Ion Ratio Lower Upper

228 100

226 30.6 23.9 35.9

229 21.9 15.8 23.6





#85

Di-n-octyl phthalate

Concen: 4.853 ng

RT: 22.974 min Scan# 3396

Delta R.T. 0.012 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

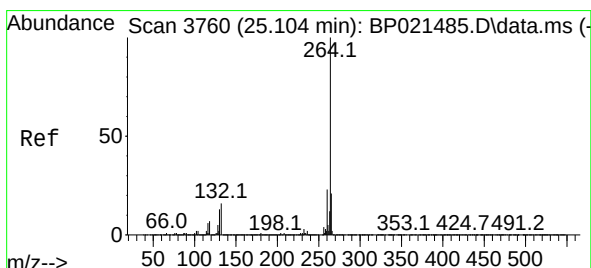
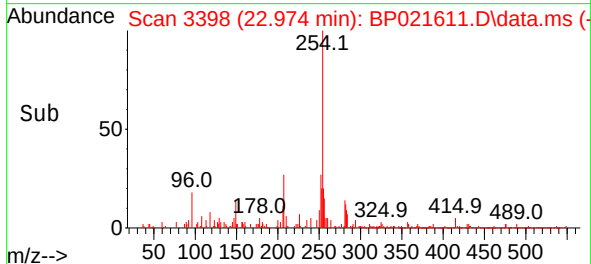
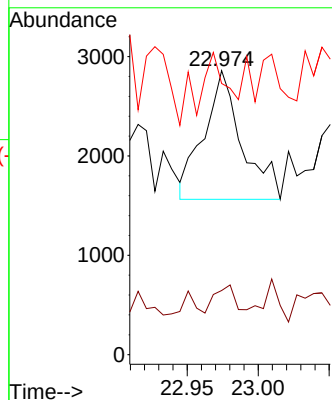
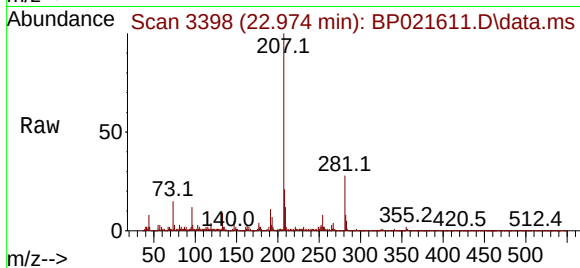
Tgt Ion:149 Resp: 2408

Ion Ratio Lower Upper

149 100

167 11.2 1.3 1.9#

43 42.6 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.151 min Scan# 3768

Delta R.T. -0.000 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

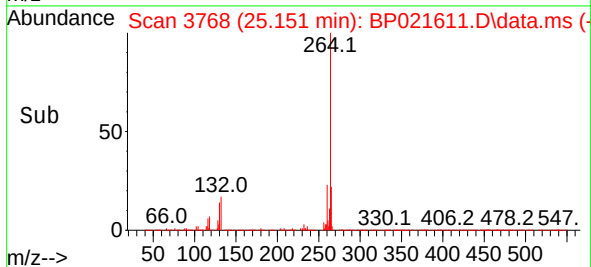
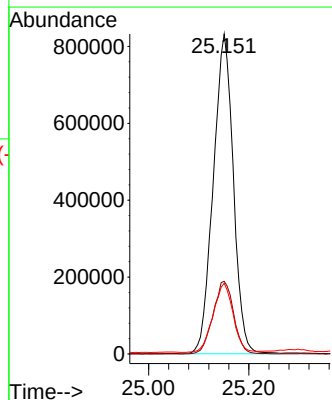
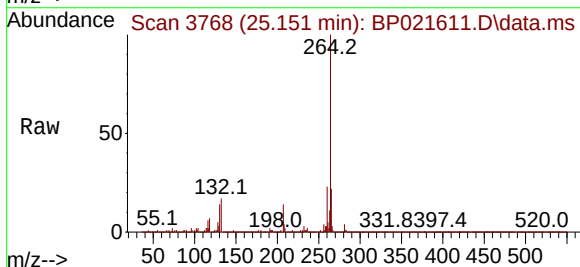
Tgt Ion:264 Resp: 2308445

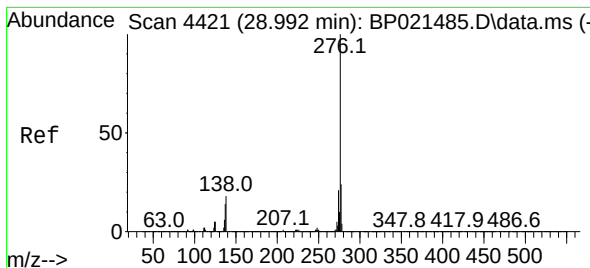
Ion Ratio Lower Upper

264 100

260 22.7 18.6 28.0

265 22.1 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.506 ng

RT: 29.068 min Scan# 4421

Delta R.T. 0.012 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

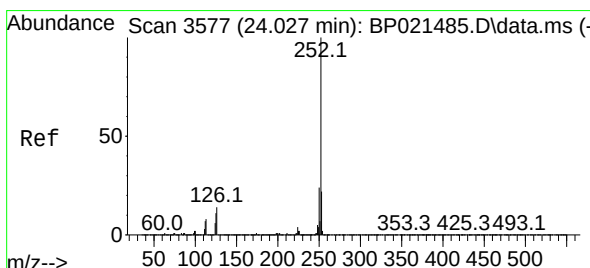
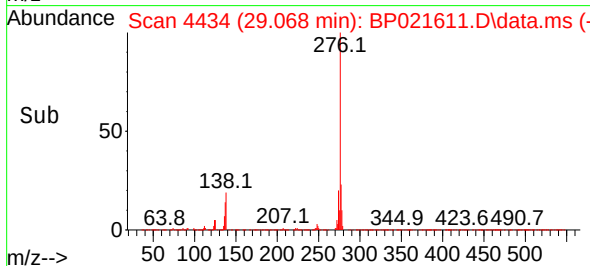
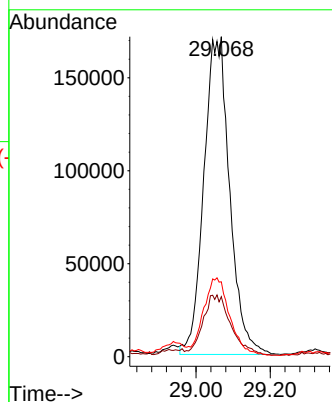
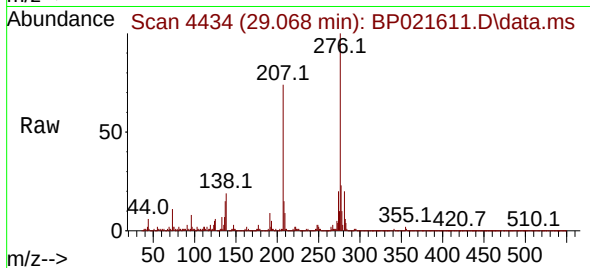
Tgt Ion:276 Resp: 823898

Ion Ratio Lower Upper

276 100

138 20.3 12.8 19.2#

277 24.5 16.5 24.7



#88

Benzo(b)fluoranthene

Concen: 13.131 ng

RT: 24.074 min Scan# 3585

Delta R.T. 0.017 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

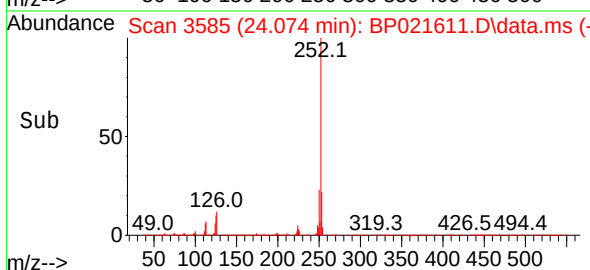
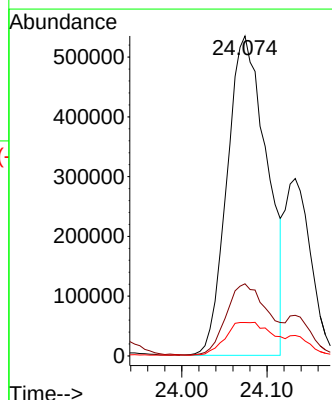
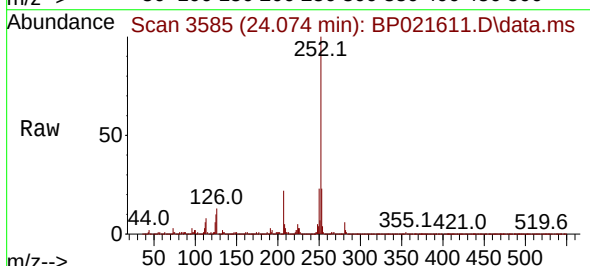
Tgt Ion:252 Resp: 1740944

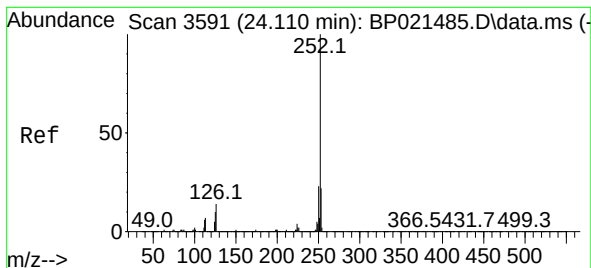
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 10.4 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 4.140 ng

RT: 24.133 min Scan# 3595

Delta R.T. -0.000 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

Instrument :

BNA_P

ClientSampleId :

S-905-KJ-SO-0-0.5-081924

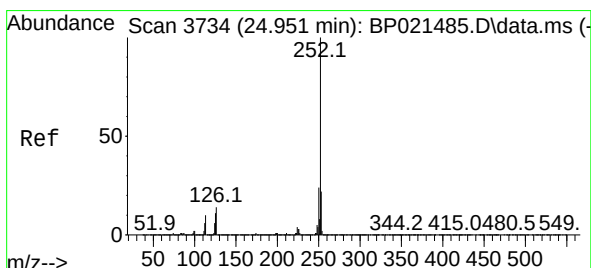
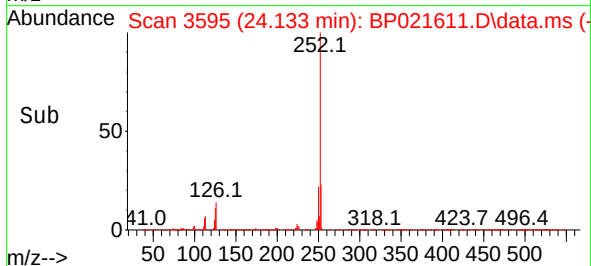
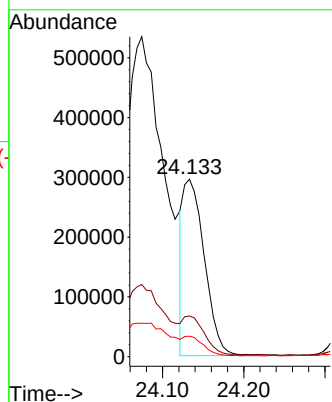
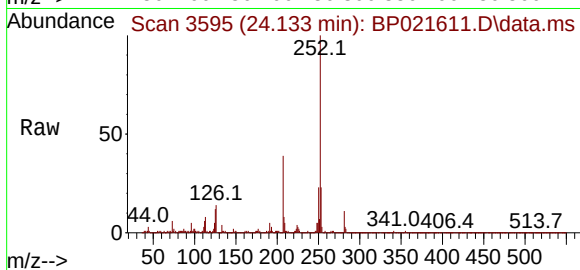
Tgt Ion:252 Resp: 535425

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 11.5 7.8 11.8



#90

Benzo(a)pyrene

Concen: 10.778 ng

RT: 24.992 min Scan# 3741

Delta R.T. 0.012 min

Lab File: BP021611.D

Acq: 22 Aug 2024 12:57

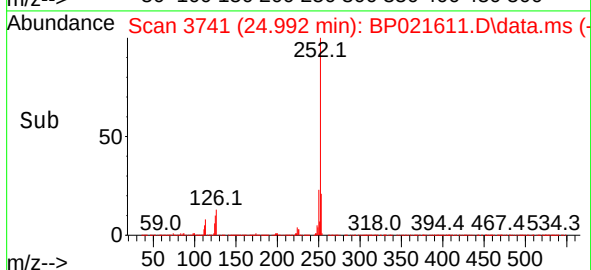
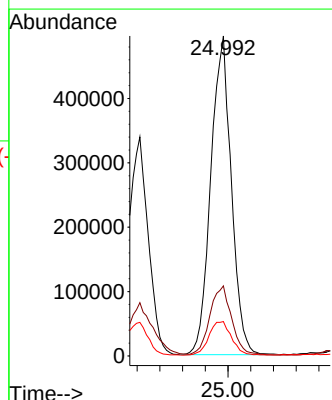
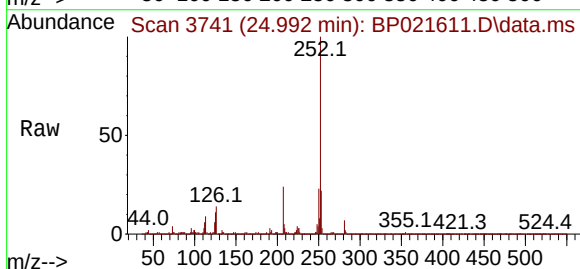
Tgt Ion:252 Resp: 1240051

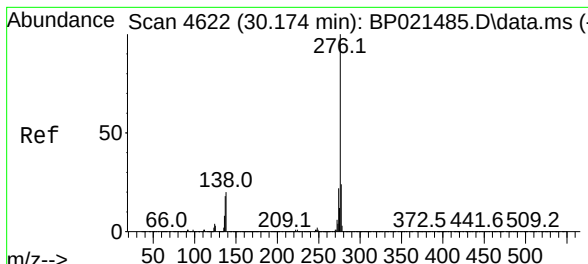
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 10.7 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 6.336 ng
 RT: 30.244 min Scan# 4
 Delta R.T. -0.018 min
 Lab File: BP021611.D
 Acq: 22 Aug 2024 12:57

Instrument :
 BNA_P
 ClientSampleId :
 S-905-KJ-SO-0-0.5-081924

Tgt Ion:276 Resp: 789547

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	21.6	16.0	24.0

