

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
 Data File : BP021613.D
 Acq On : 22 Aug 2024 14:21
 Operator : RC/JU
 Sample : P3671-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924-FD

Quant Time: Aug 22 14:53:32 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)

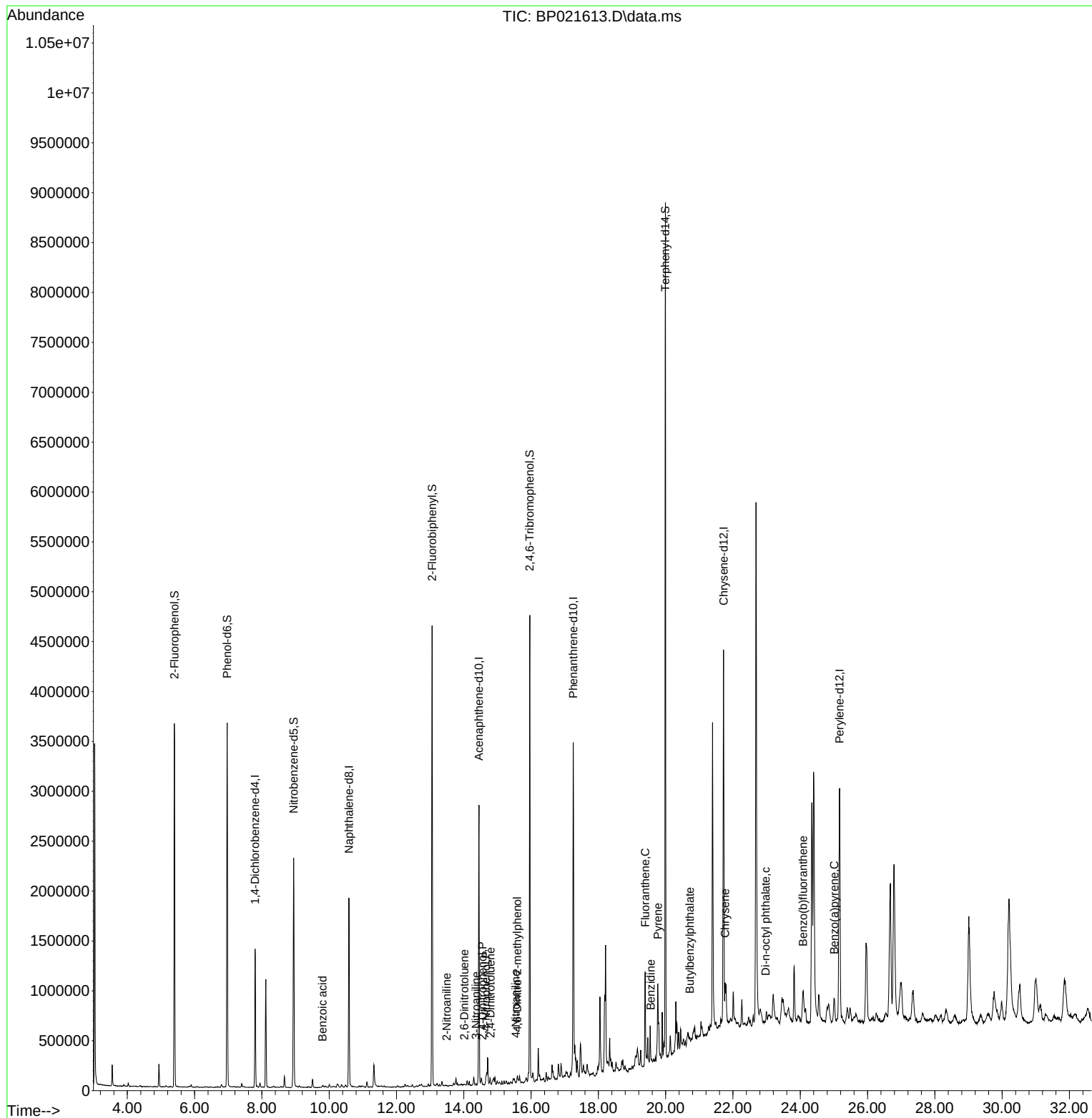
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	356018	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1427733	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	917752	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2066502	20.000	ng	0.00
76) Chrysene-d12	21.721	240	2032283	20.000	ng	0.00
86) Perylene-d12	25.168	264	2350318	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1665658	69.470	ng	0.00
7) Phenol-d6	6.969	99	2427497	69.404	ng	0.00
23) Nitrobenzene-d5	8.946	82	1462826	52.884	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	810789	79.379	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	2476906	41.189	ng	0.00
79) Terphenyl-d14	19.992	244	3941742	37.680	ng	0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	9.704	139	48	Below Cal	#	1
32) Benzoic acid	9.804	122	9662	4.593	ng	92
48) 2-Nitroaniline	13.492	65	403	5.173	ng	# 44
51) 2,6-Dinitrotoluene	14.016	165	253	4.004	ng	# 60
53) 3-Nitroaniline	14.363	138	233	3.987	ng	# 64
54) 2,4-Dinitrophenol	14.557	184	37	2.447	ng	# 1
56) 4-Nitrophenol	14.663	139	2223	5.283	ng	# 61
57) 2,4-Dinitrotoluene	14.798	165	98	5.028	ng	# 75
62) 4-Nitroaniline	15.545	138	147	2.946	ng	81
65) 4,6-Dinitro-2-methylph...	15.586	198	71	4.621	ng	# 1
75) Fluoranthene	19.392	202	526326	4.316	ng	99
77) Benzidine	19.557	184	252	4.577	ng	# 1
78) Pyrene	19.769	202	490212	3.690	ng	99
80) Butylbenzylphthalate	20.721	149	6263	3.717	ng	# 65
83) Chrysene	21.769	228	298332	2.477	ng	98
85) Di-n-octyl phthalate	22.974	149	836	4.842	ng	# 46
88) Benzo(b)fluoranthene	24.086	252	418920	3.103	ng	# 96
90) Benzo(a)pyrene	25.015	252	247733	2.115	ng	# 96

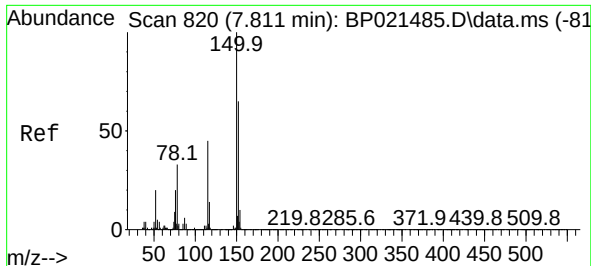
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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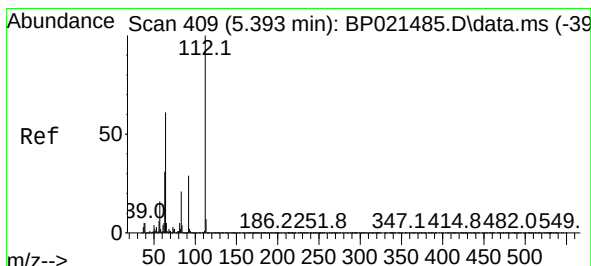
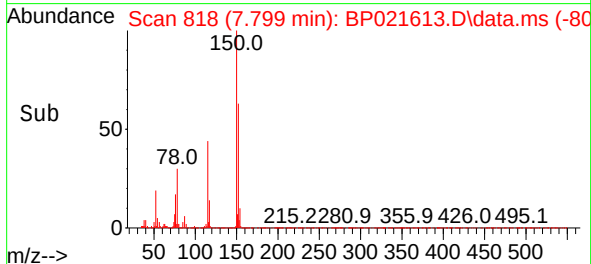
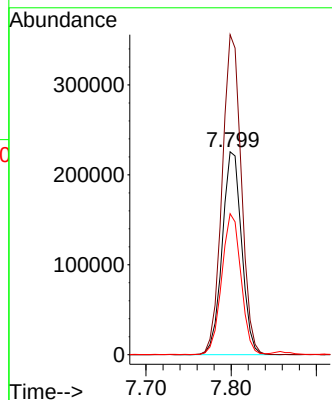
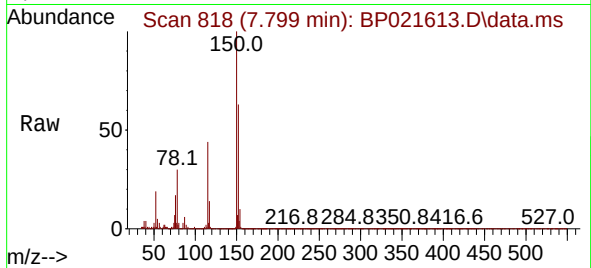




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

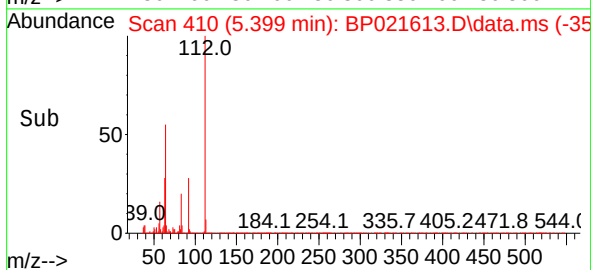
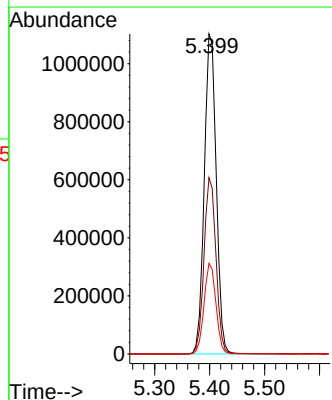
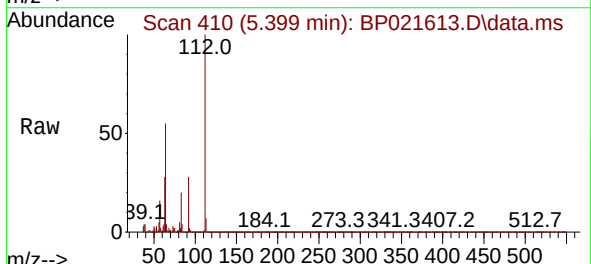
Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

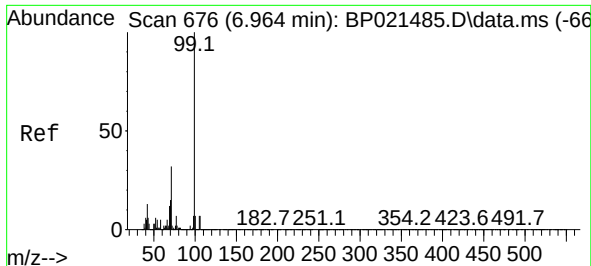
Tgt Ion:152 Resp: 356018
Ion Ratio Lower Upper
152 100
150 157.7 122.4 183.6
115 69.4 54.7 82.1



#5
2-Fluorophenol
Concen: 69.470 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:112 Resp: 1665658
Ion Ratio Lower Upper
112 100
64 55.1 49.0 73.6
63 28.3 24.6 36.8





#7

Phenol-d6

Concen: 69.404 ng

RT: 6.969 min Scan# 61

Delta R.T. -0.000 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

Instrument :

BNA_P

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

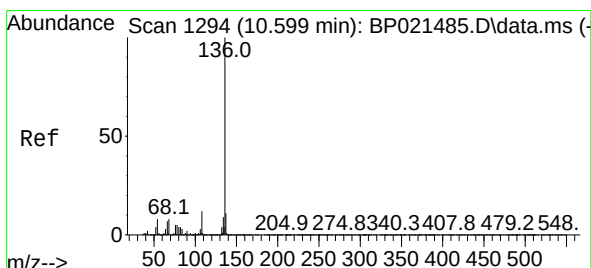
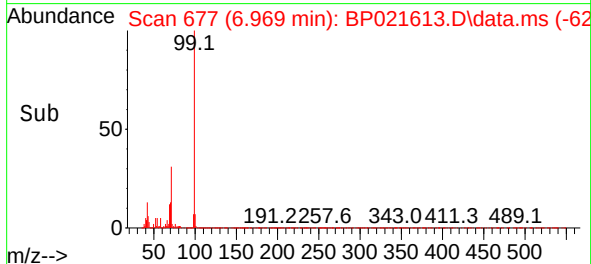
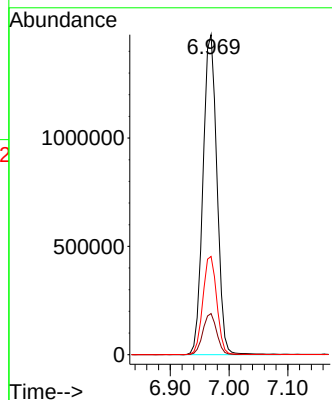
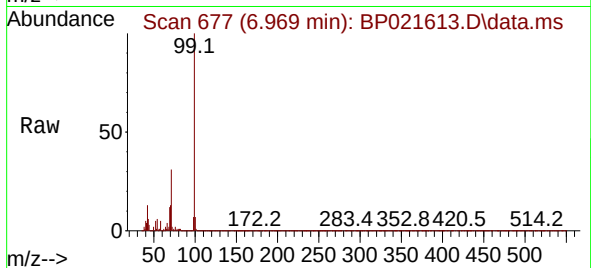
Tgt Ion: 99 Resp: 2427497

Ion Ratio Lower Upper

99 100

42 12.9 10.2 15.4

71 30.7 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: BP021613.D

Acq: 22 Aug 2024 14:21

Tgt Ion:136 Resp: 1427733

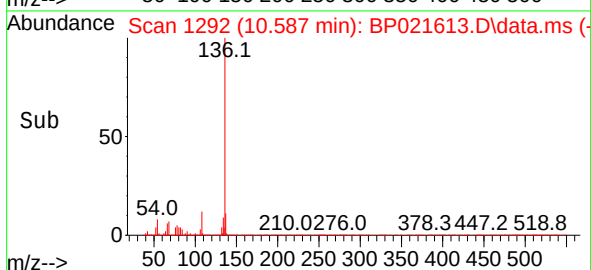
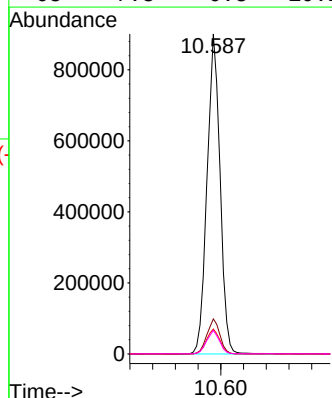
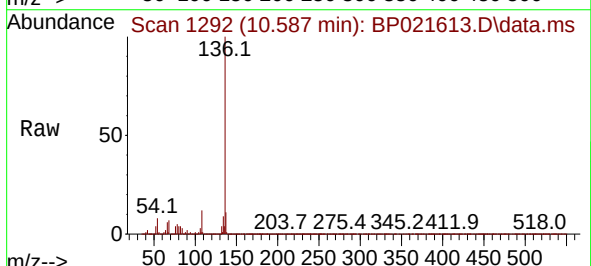
Ion Ratio Lower Upper

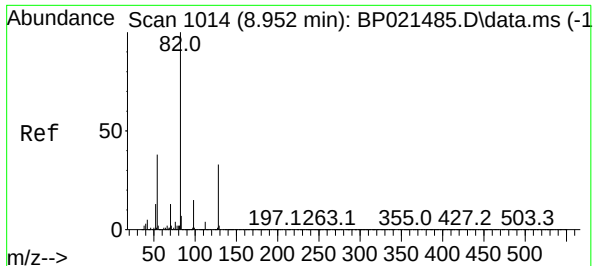
136 100

137 10.9 8.8 13.2

54 7.8 6.3 9.5

68 7.3 6.8 10.2





#23

Nitrobenzene-d5

Concen: 52.884 ng

RT: 8.946 min Scan# 1159

Delta R.T. -0.000 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

Instrument :

BNA_P

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

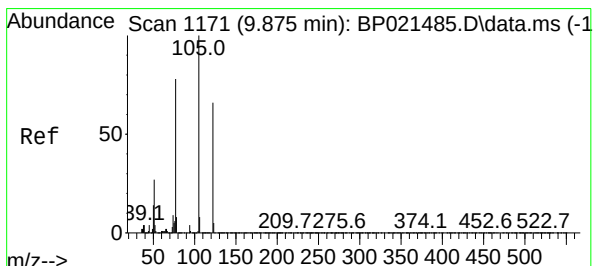
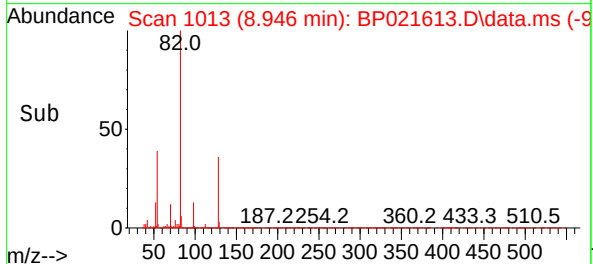
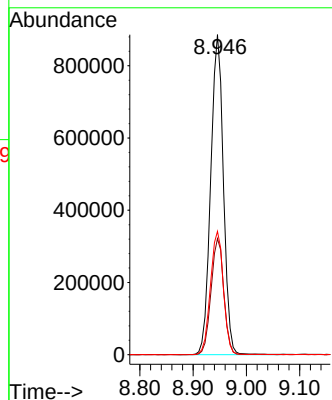
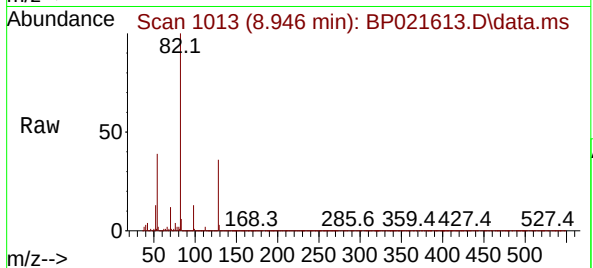
Tgt Ion: 82 Resp: 1462826

Ion Ratio Lower Upper

82 100

128 36.3 26.5 39.7

54 38.5 30.3 45.5



#32

Benzoic acid

Concen: 4.593 ng

RT: 9.804 min Scan# 1159

Delta R.T. -0.088 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

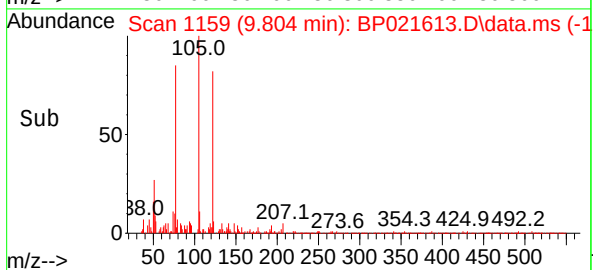
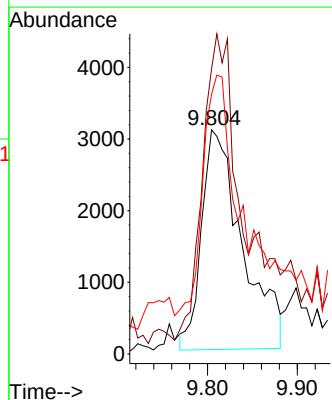
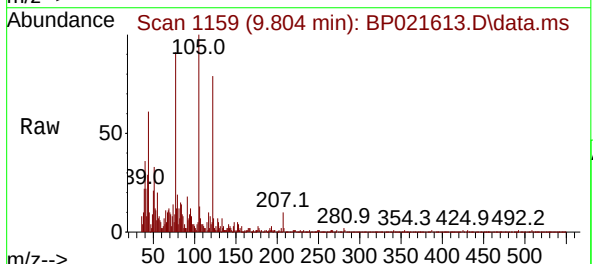
Tgt Ion: 122 Resp: 9662

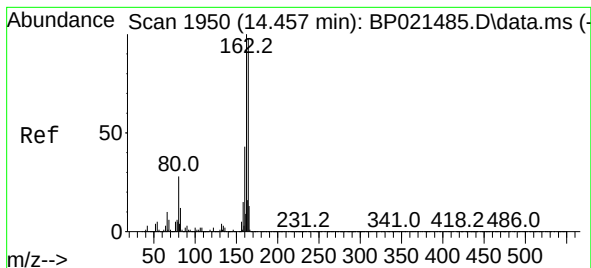
Ion Ratio Lower Upper

122 100

105 127.2 124.6 164.6

77 115.8 96.2 136.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

Instrument :

BNA_P

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

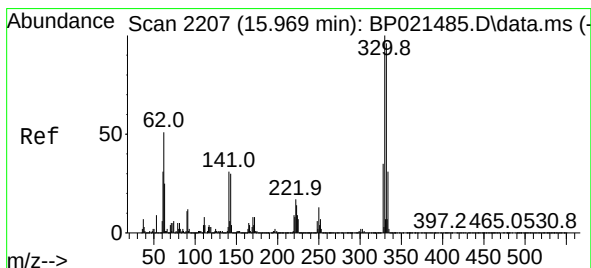
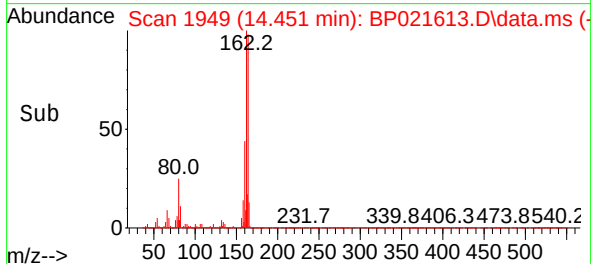
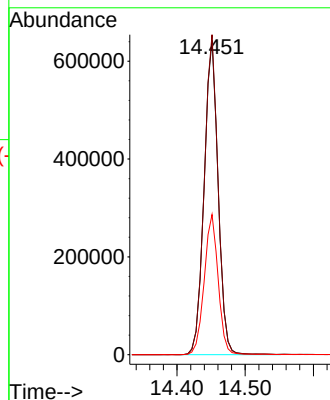
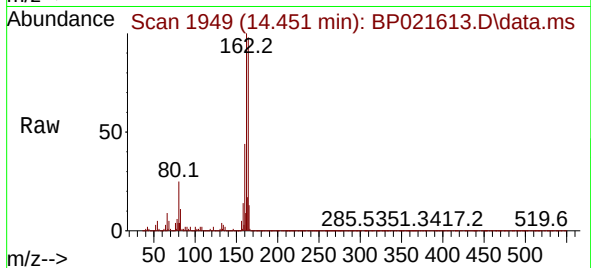
Tgt Ion:164 Resp: 917752

Ion Ratio Lower Upper

164 100

162 101.8 81.5 122.3

160 44.6 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 79.379 ng

RT: 15.963 min Scan# 2206

Delta R.T. 0.006 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

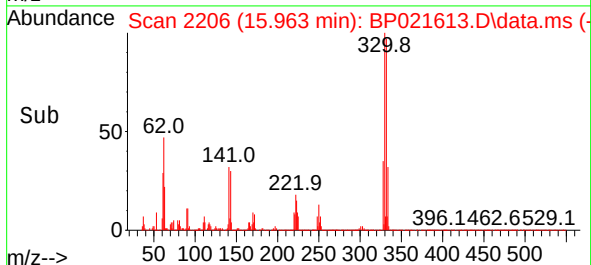
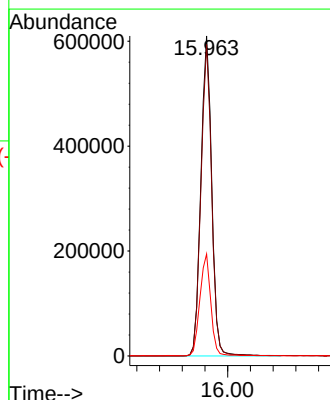
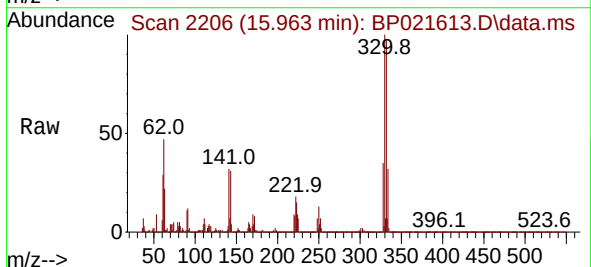
Tgt Ion:330 Resp: 810789

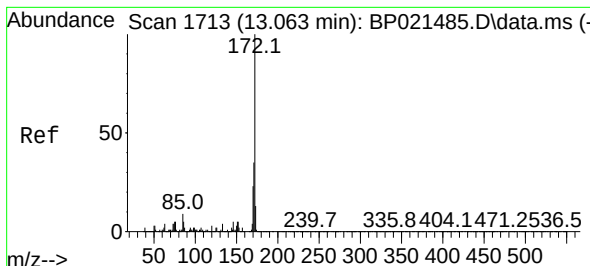
Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

141 31.8 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 41.189 ng

RT: 13.057 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP021613.D

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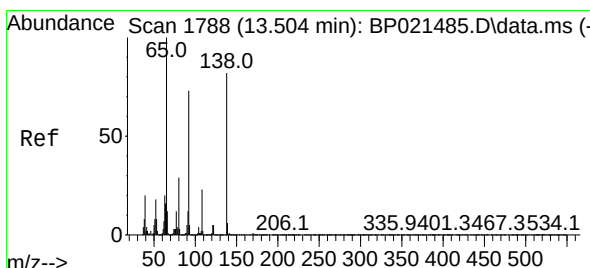
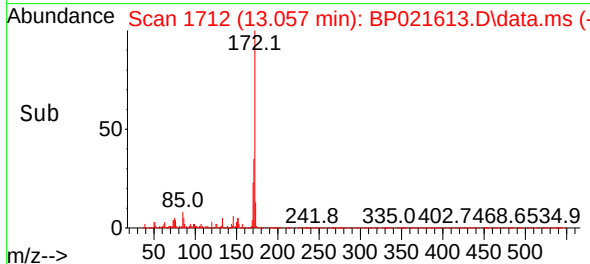
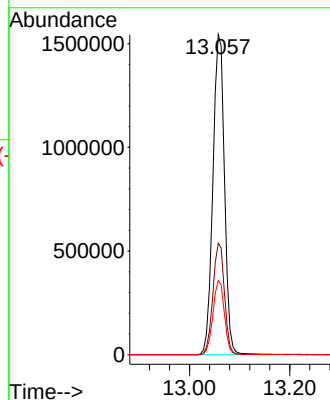
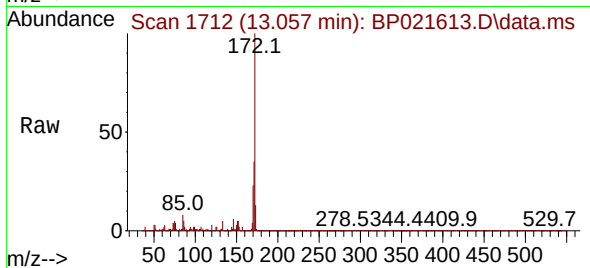
Tgt Ion:172 Resp: 2476906

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.1 18.4 27.6



#48

2-Nitroaniline

Concen: 5.173 ng

RT: 13.492 min Scan# 1786

Delta R.T. -0.012 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

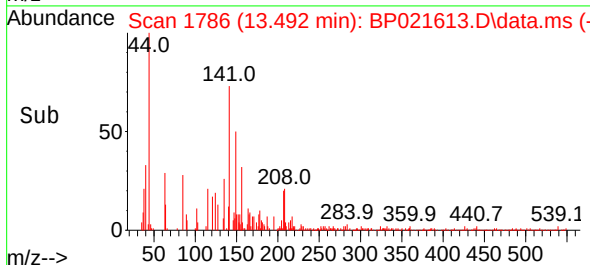
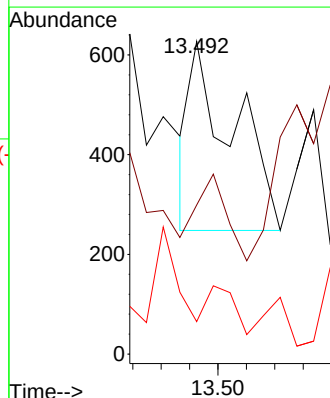
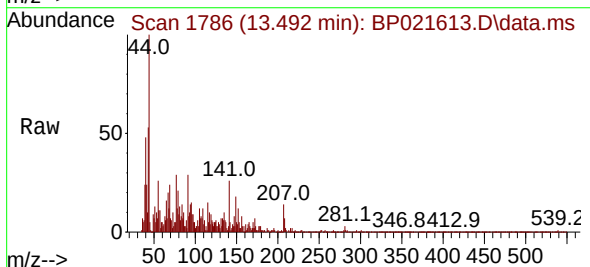
Tgt Ion: 65 Resp: 403

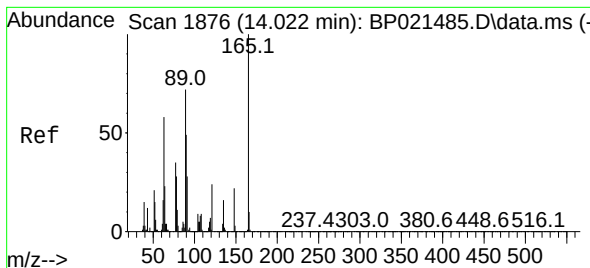
Ion Ratio Lower Upper

65 100

92 47.7 58.1 87.1#

138 10.4 65.5 98.3#





#51

2,6-Dinitrotoluene

Concen: 4.004 ng

RT: 14.016 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

Instrument :

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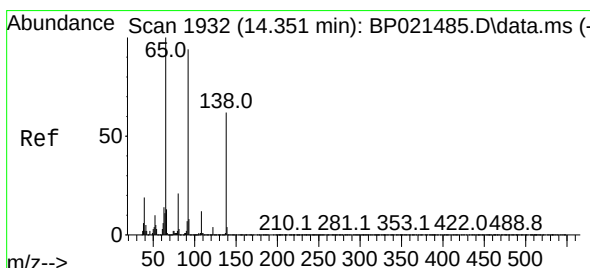
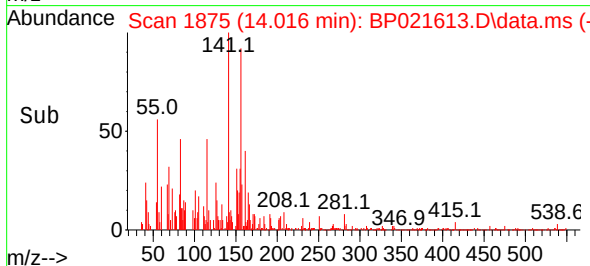
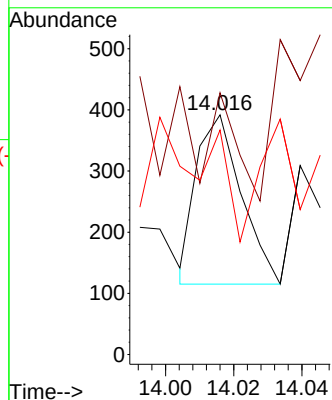
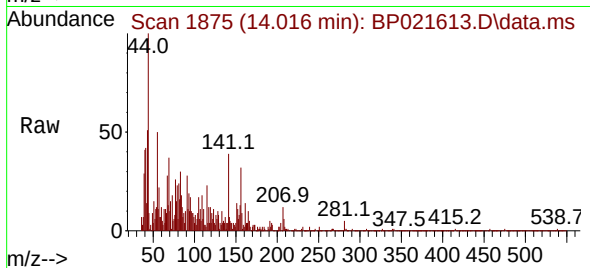
Tgt Ion:165 Resp: 253

Ion Ratio Lower Upper

165 100

63 109.2 51.5 77.3#

89 93.6 57.8 86.8#



#53

3-Nitroaniline

Concen: 3.987 ng

RT: 14.363 min Scan# 1934

Delta R.T. 0.023 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

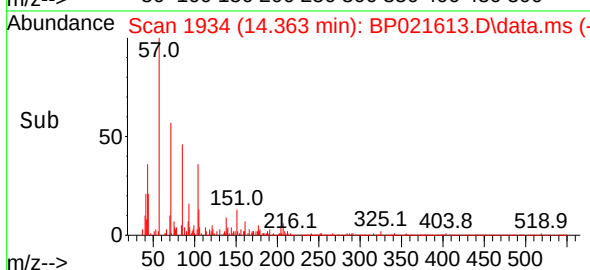
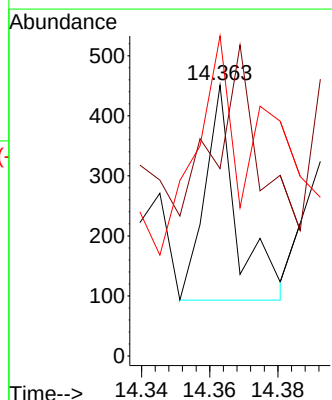
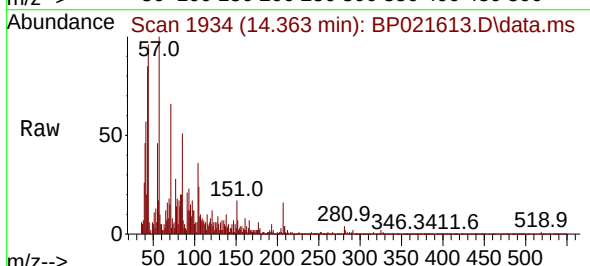
Tgt Ion:138 Resp: 233

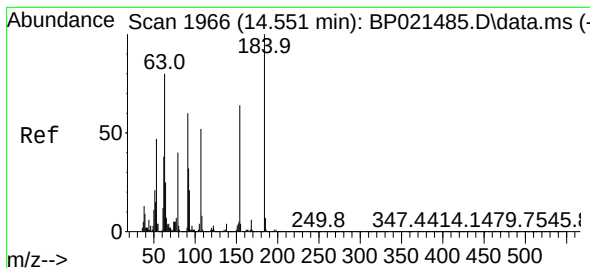
Ion Ratio Lower Upper

138 100

108 69.2 16.2 24.4#

92 118.2 122.2 183.4#

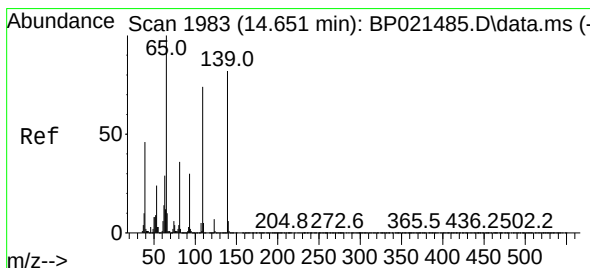
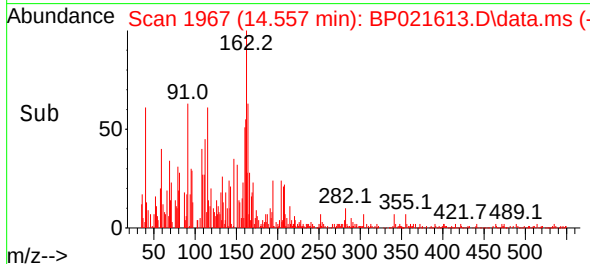
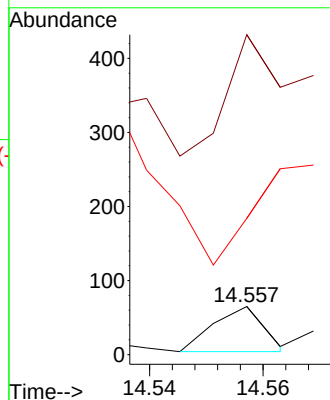
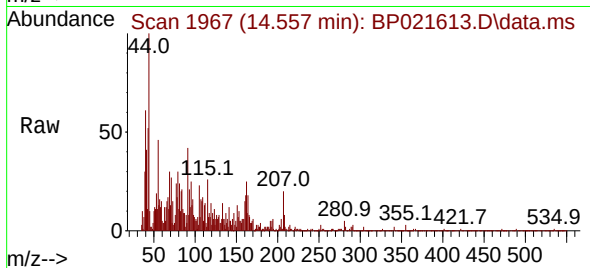




#54
2,4-Dinitrophenol
Concen: 2.447 ng
RT: 14.557 min Scan# 1966
Delta R.T. 0.012 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

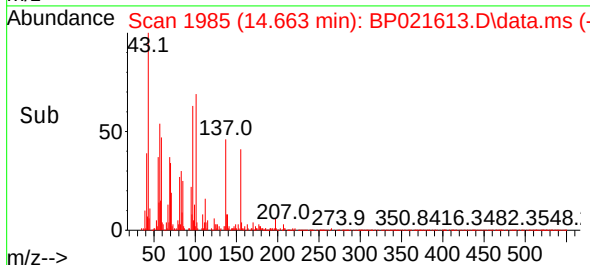
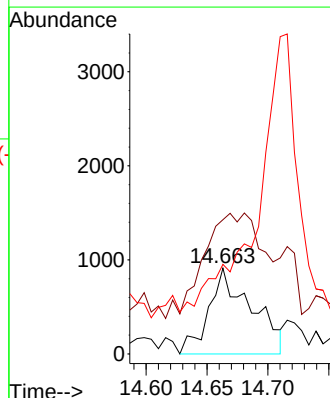
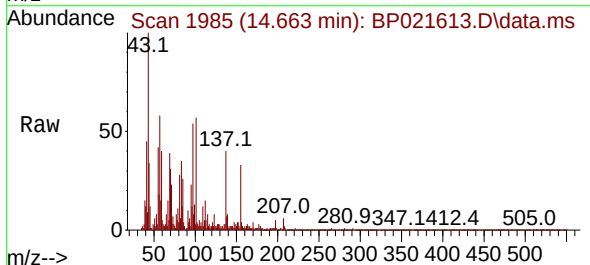
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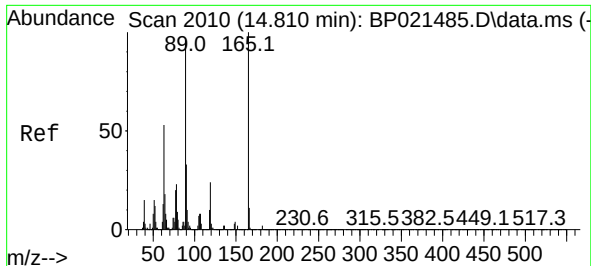
Tgt Ion:184 Resp: 37
Ion Ratio Lower Upper
184 100
63 664.6 64.9 97.3#
154 283.1 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.283 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.012 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:139 Resp: 2223
Ion Ratio Lower Upper
139 100
109 156.6 70.2 110.2#
65 104.5 101.8 141.8

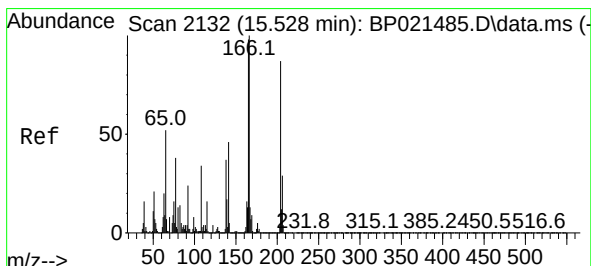
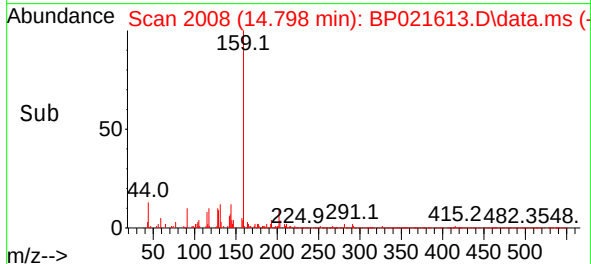
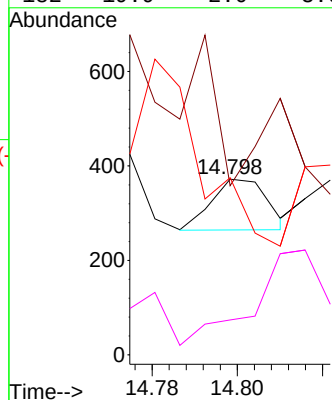
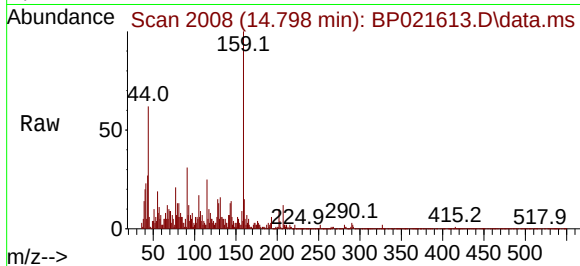




#57
2,4-Dinitrotoluene
Concen: 5.028 ng
RT: 14.798 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

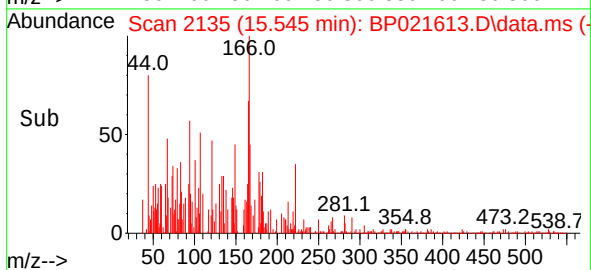
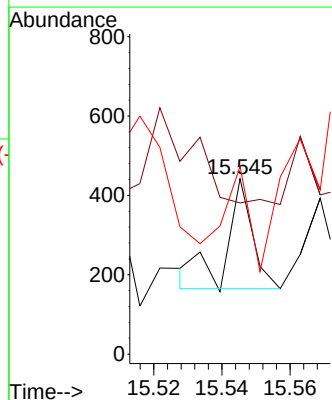
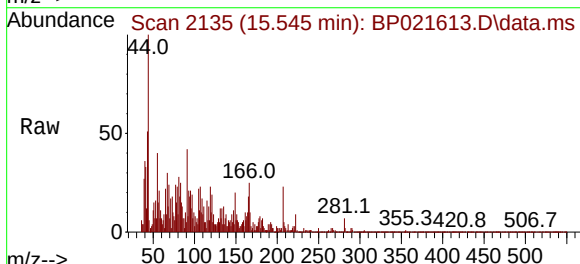
Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

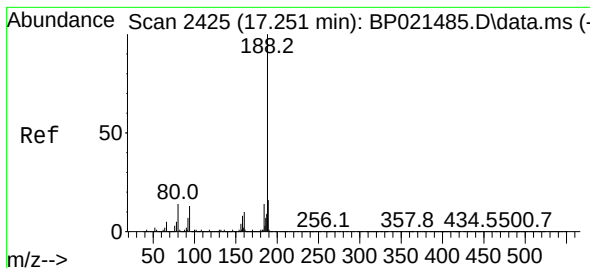
Tgt Ion:165 Resp: 98
Ion Ratio Lower Upper
165 100
63 96.2 42.5 63.7#
89 100.8 77.1 115.7
182 19.9 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.946 ng
RT: 15.545 min Scan# 2135
Delta R.T. 0.035 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:138 Resp: 147
Ion Ratio Lower Upper
138 100
92 86.2 46.4 86.4
108 107.0 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.257 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

Instrument :

BNA_P

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

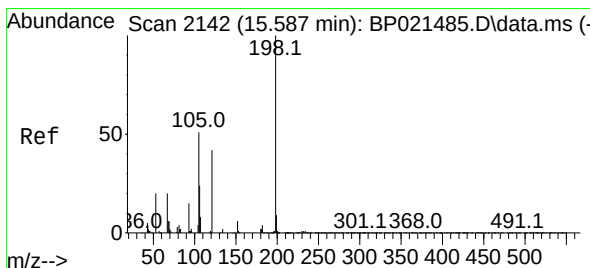
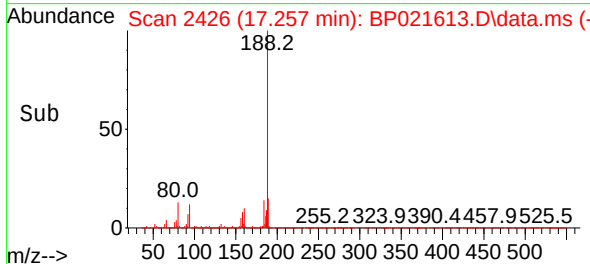
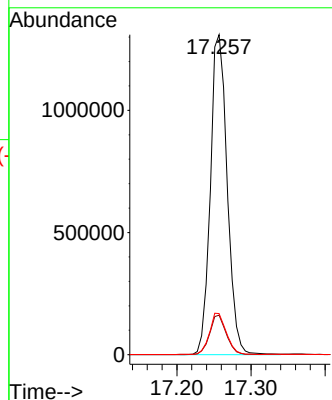
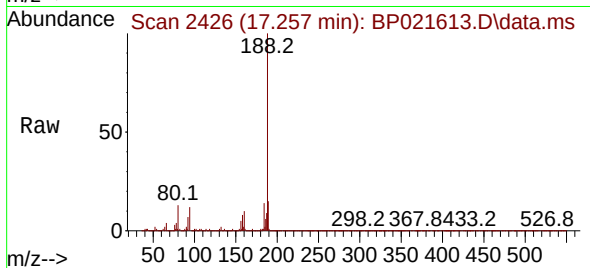
Tgt Ion:188 Resp: 2066502

Ion Ratio Lower Upper

188 100

94 12.3 10.2 15.4

80 12.9 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.621 ng

RT: 15.586 min Scan# 2142

Delta R.T. -0.000 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

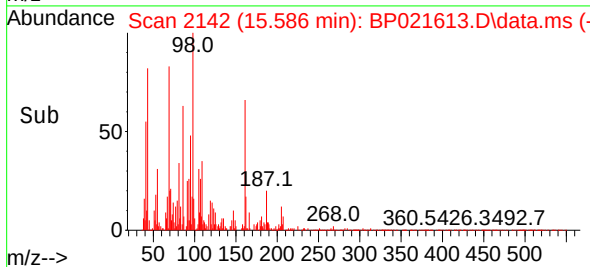
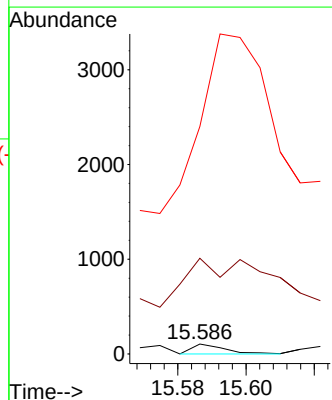
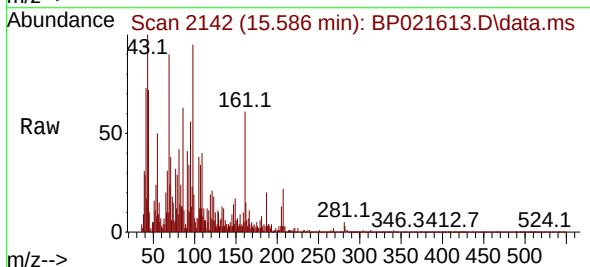
Tgt Ion:198 Resp: 71

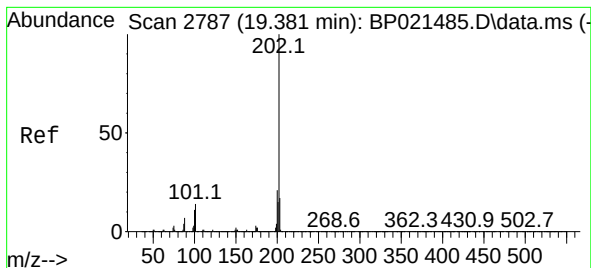
Ion Ratio Lower Upper

198 100

51 962.9 21.5 61.5#

105 2287.6 32.9 72.9#

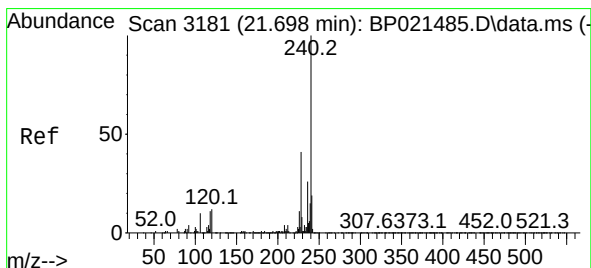
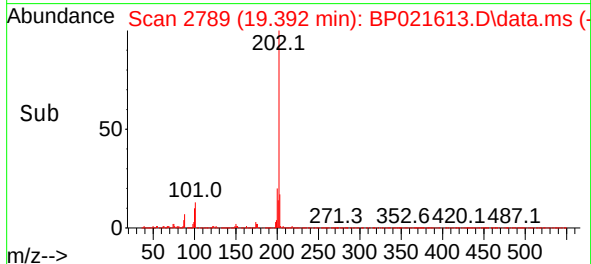
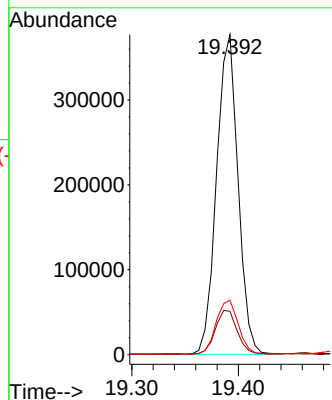
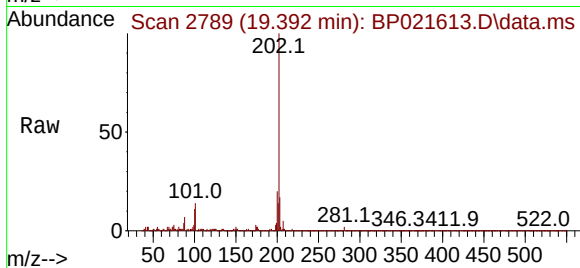




#75
Fluoranthene
Concen: 4.316 ng
RT: 19.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

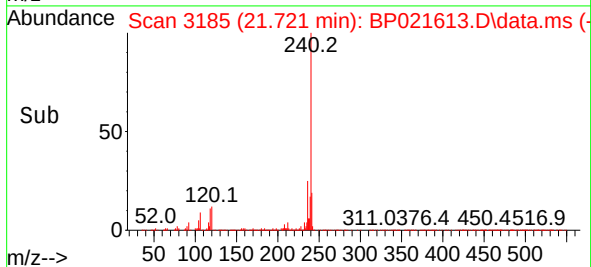
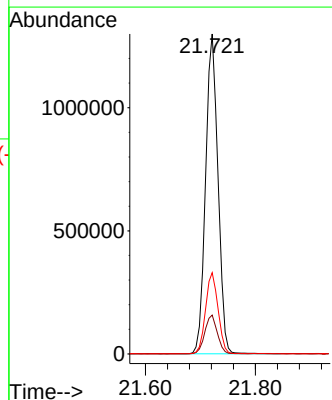
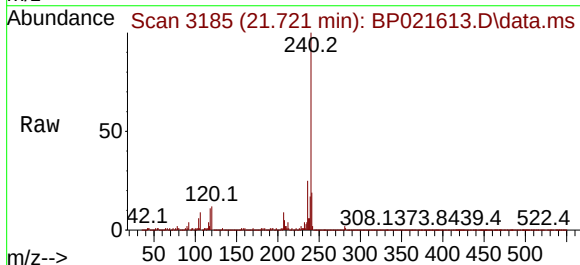
Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

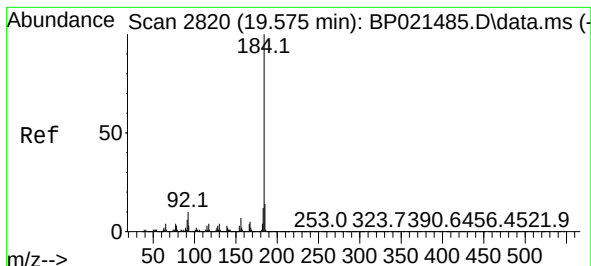
Tgt Ion:202 Resp: 526326
Ion Ratio Lower Upper
202 100
101 13.6 0.0 34.0
203 17.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3185
Delta R.T. 0.006 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:240 Resp: 2032283
Ion Ratio Lower Upper
240 100
120 12.2 9.9 14.9
236 25.4 20.6 30.8





#77

Benzidine

Concen: 4.577 ng

RT: 19.557 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

Instrument :

BNA_P

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

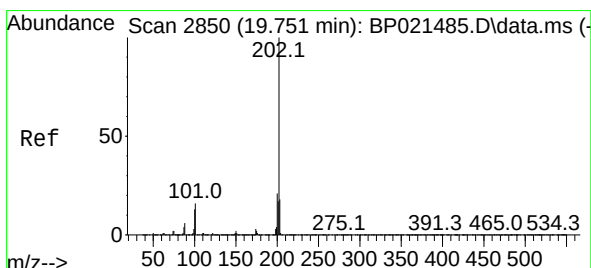
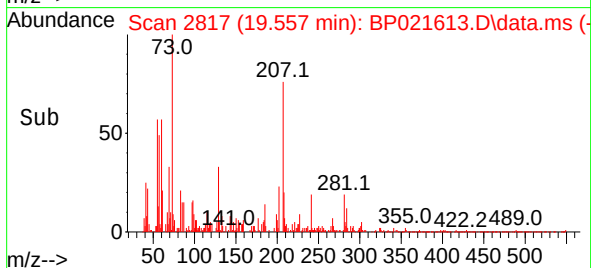
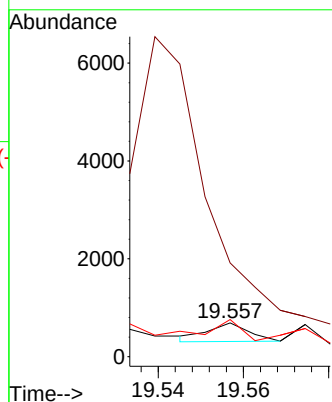
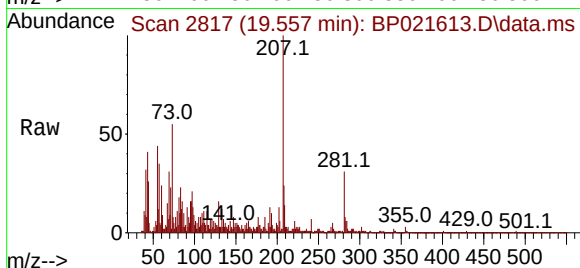
Tgt Ion:184 Resp: 252

Ion Ratio Lower Upper

184 100

185 278.2 11.4 17.0#

183 110.0 9.3 13.9#



#78

Pyrene

Concen: 3.690 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.012 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

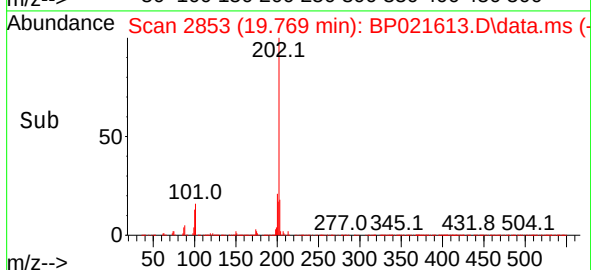
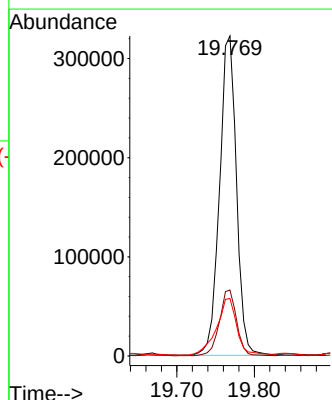
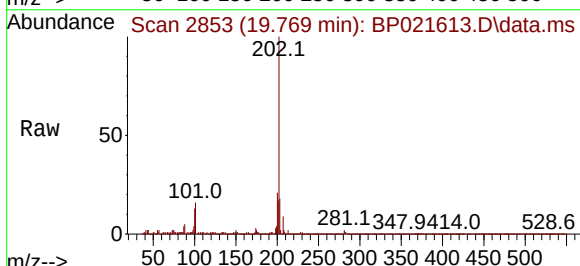
Tgt Ion:202 Resp: 490212

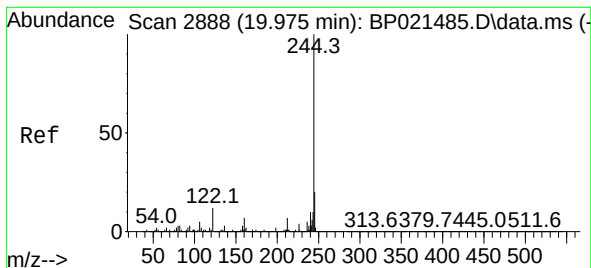
Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 37.680 ng

RT: 19.992 min Scan# 2888

Delta R.T. 0.017 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

Instrument :

BNA_P

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

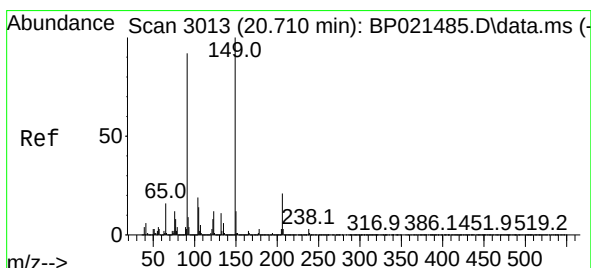
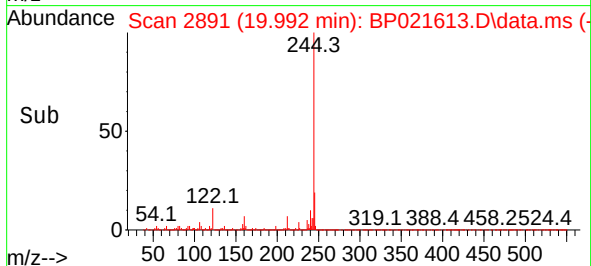
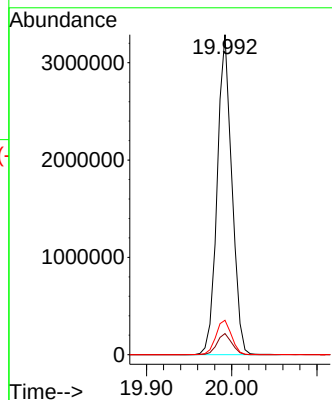
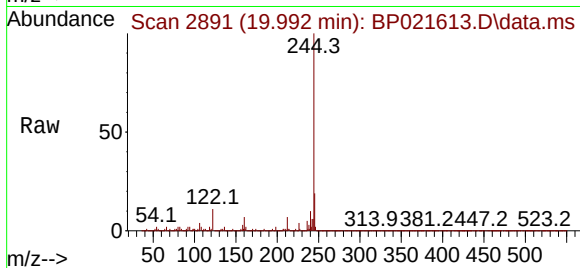
Tgt Ion:244 Resp: 3941742

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.8 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.717 ng

RT: 20.721 min Scan# 3015

Delta R.T. 0.012 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

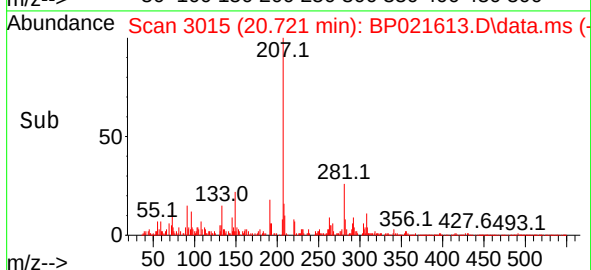
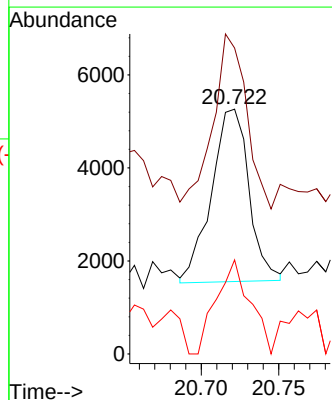
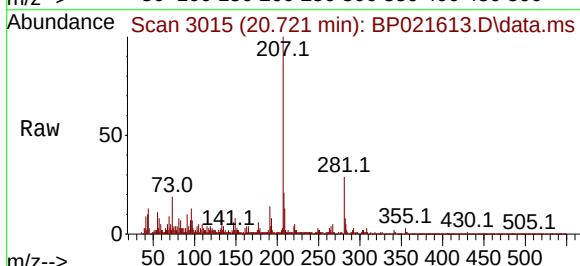
Tgt Ion:149 Resp: 6263

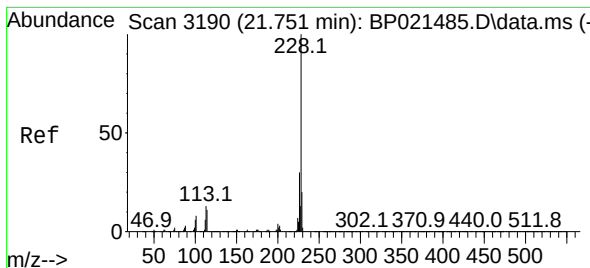
Ion Ratio Lower Upper

149 100

91 124.9 73.3 109.9#

206 38.4 17.1 25.7#





#83

Chrysene

Concen: 2.477 ng

RT: 21.769 min Scan# 3190

Delta R.T. -0.000 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

Instrument :

BNA_P

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

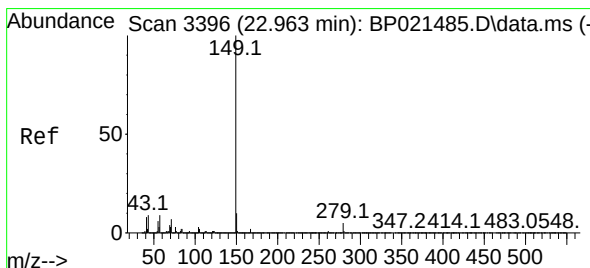
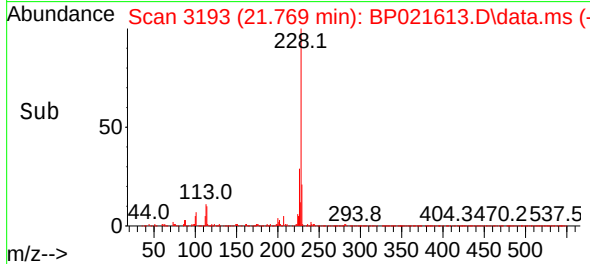
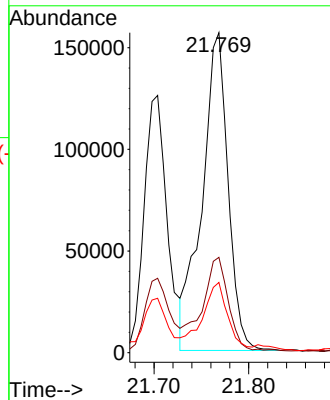
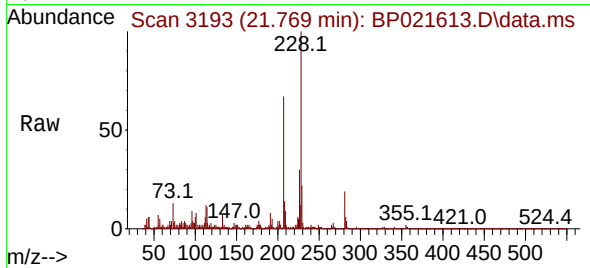
Tgt Ion:228 Resp: 298332

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

229 21.9 15.8 23.6



#85

Di-n-octyl phthalate

Concen: 4.842 ng

RT: 22.974 min Scan# 3398

Delta R.T. 0.012 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

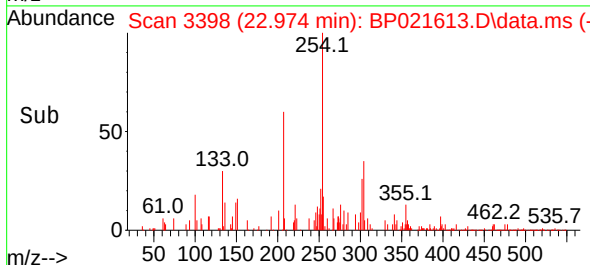
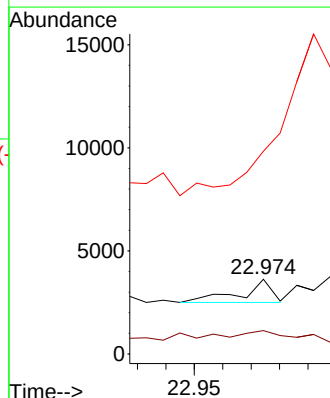
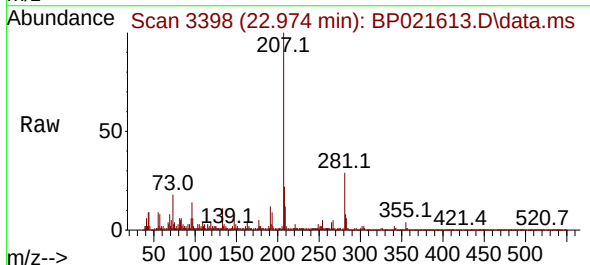
Tgt Ion:149 Resp: 836

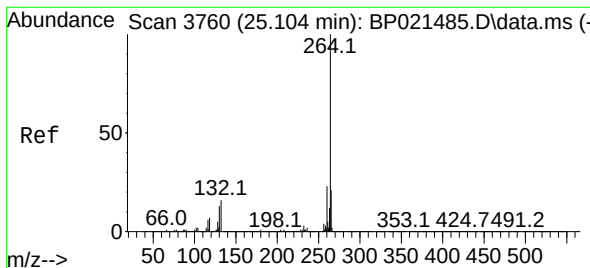
Ion Ratio Lower Upper

149 100

167 81.9 1.3 1.9#

43 0.0 7.3 10.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.168 min Scan# 31

Delta R.T. 0.017 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

Instrument :

BNA_P

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

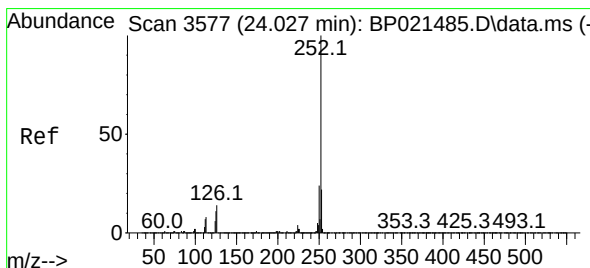
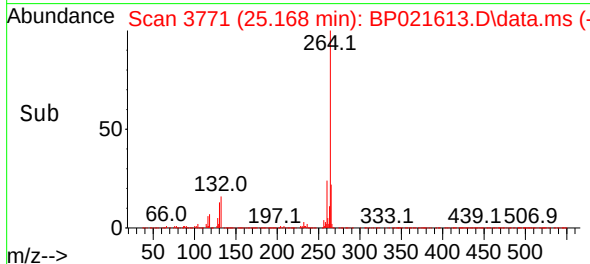
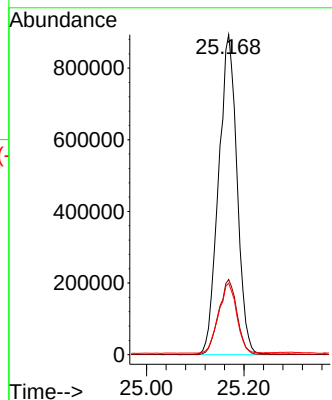
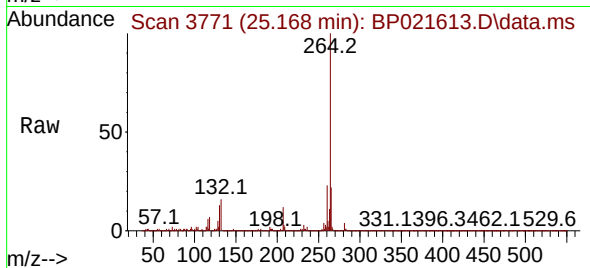
Tgt Ion:264 Resp: 2350318

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.3 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.103 ng

RT: 24.086 min Scan# 3587

Delta R.T. 0.029 min

Lab File: BP021613.D

Acq: 22 Aug 2024 14:21

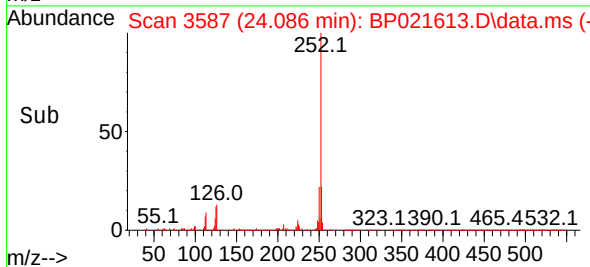
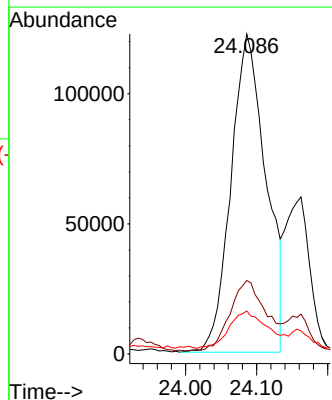
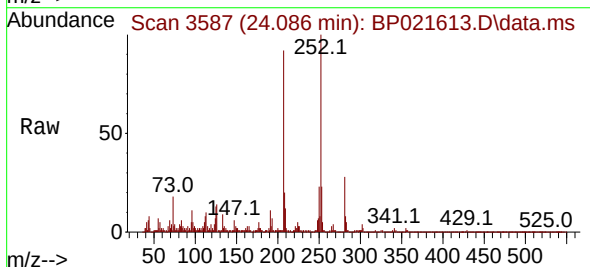
Tgt Ion:252 Resp: 418920

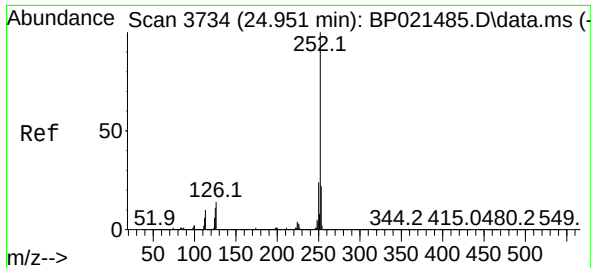
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 13.5 8.6 13.0#





#90
 Benzo(a)pyrene
 Concen: 2.115 ng
 RT: 25.015 min Scan# 31
 Delta R.T. 0.035 min
 Lab File: BP021613.D
 Acq: 22 Aug 2024 14:21

Instrument :
 BNA_P
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924-FD

Tgt Ion:252 Resp: 247733
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.7 26.5
 125 14.3 8.7 13.1#

