

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
 Data File : BP021520.D
 Acq On : 15 Aug 2024 19:20
 Operator : RC/JU
 Sample : P3582-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-855-J-SO-3-3.5-081224

Quant Time: Aug 16 01:29:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

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

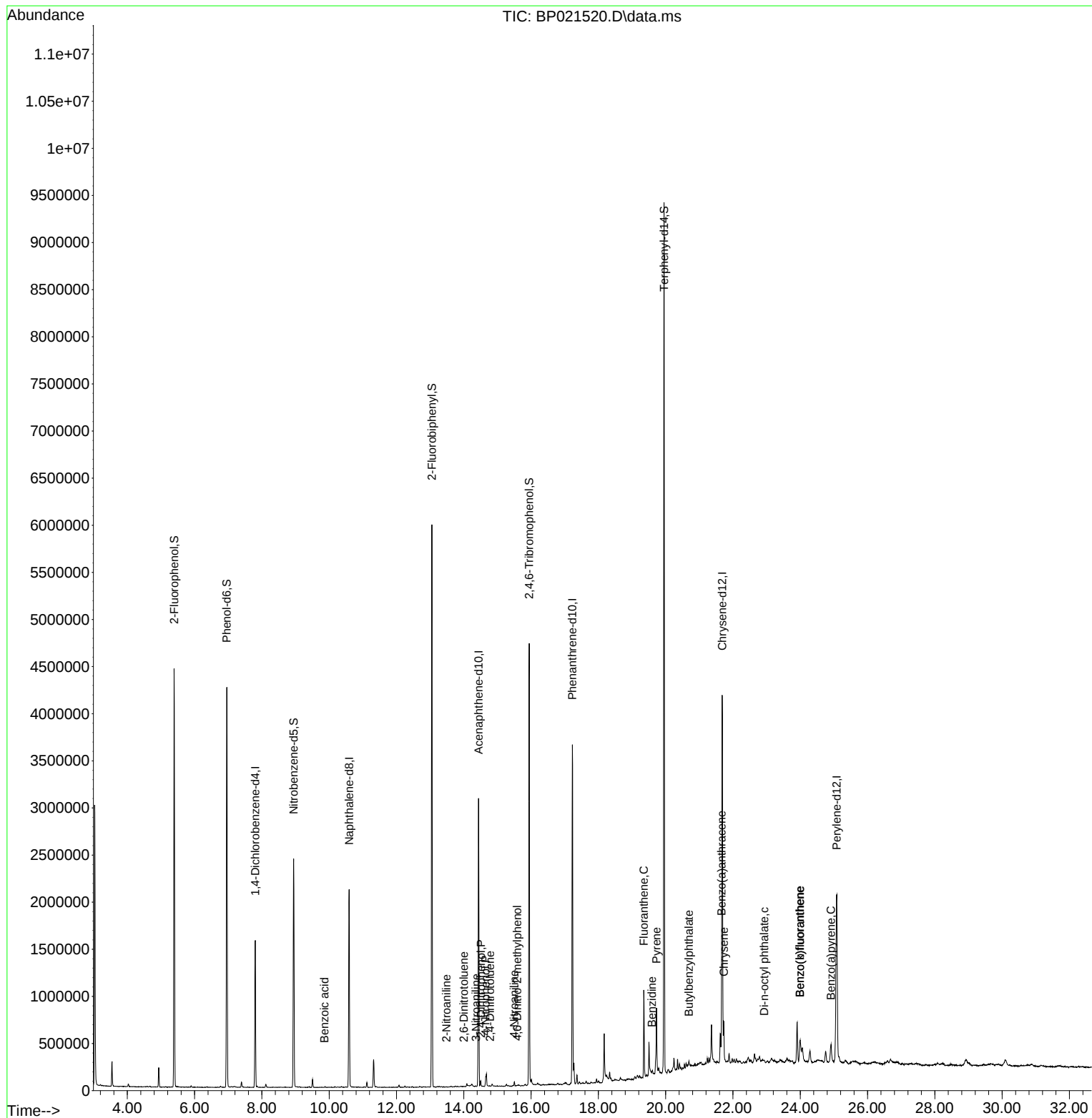
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	409072	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1603363	20.000	ng	0.00
39) Acenaphthene-d10	14.439	164	1024171	20.000	ng	-0.02
64) Phenanthrene-d10	17.228	188	2176009	20.000	ng	-0.02
76) Chrysene-d12	21.680	240	2054960	20.000	ng	-0.02
86) Perylene-d12	25.086	264	1899731	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1974996	71.689	ng	0.00
7) Phenol-d6	6.957	99	2757811	68.622	ng	0.00
23) Nitrobenzene-d5	8.946	82	1629923	52.470	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	874460	76.716	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	2990798	44.567	ng	-0.01
79) Terphenyl-d14	19.951	244	4931384	46.621	ng	-0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	9.687	139	100	Below Cal	#	1
32) Benzoic acid	9.857	122	117	3.333 ng	#	1
48) 2-Nitroaniline	13.481	65	202	5.159 ng	#	43
51) 2,6-Dinitrotoluene	14.004	165	141	3.995 ng	#	1
53) 3-Nitroaniline	14.363	138	215	3.984 ng	#	42
54) 2,4-Dinitrophenol	14.510	184	20	2.438 ng	#	1
56) 4-Nitrophenol	14.645	139	382	5.110 ng	#	35
57) 2,4-Dinitrotoluene	14.781	165	29	5.024 ng	#	14
62) 4-Nitroaniline	15.498	138	638	2.978 ng	#	74
65) 4,6-Dinitro-2-methylph...	15.586	198	85	4.623 ng	#	1
75) Fluoranthene	19.351	202	499051	3.887 ng		98
77) Benzidine	19.592	184	325	4.578 ng	#	1
78) Pyrene	19.727	202	443742	3.304 ng		98
80) Butylbenzylphthalate	20.692	149	5525	3.703 ng	#	92
81) Benzo(a)anthracene	21.663	228	280351	2.173 ng		97
83) Chrysene	21.727	228	259860	2.134 ng		98
85) Di-n-octyl phthalate	22.927	149	18845	4.963 ng	#	87
88) Benzo(b)fluoranthene	23.992	252	292716	2.683 ng		98
89) Benzo(k)fluoranthene	23.992	252	292716	2.750 ng		97
90) Benzo(a)pyrene	24.915	252	213247	2.252 ng		96

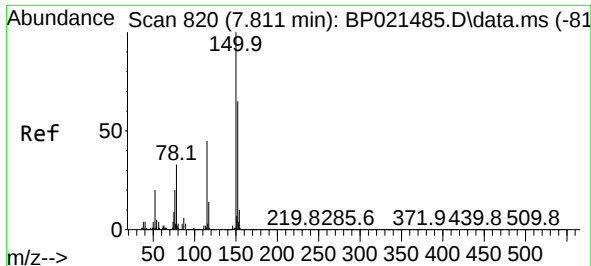
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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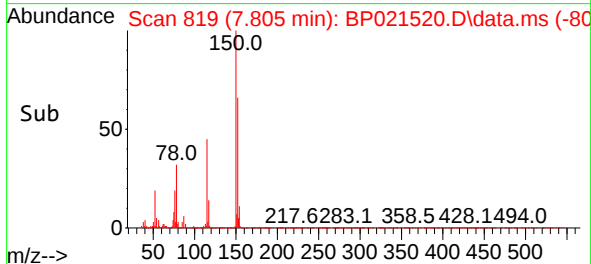
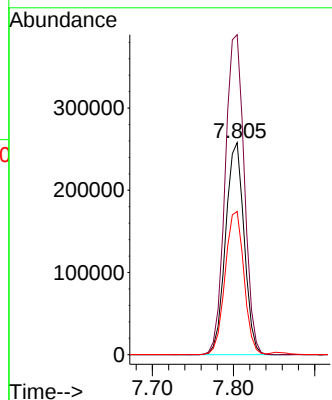
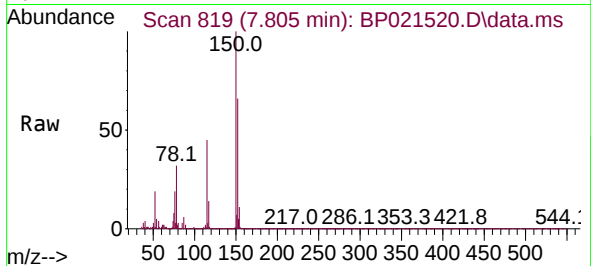




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

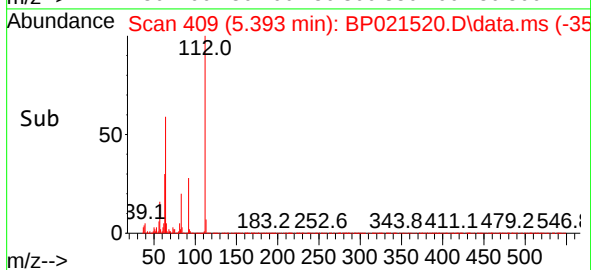
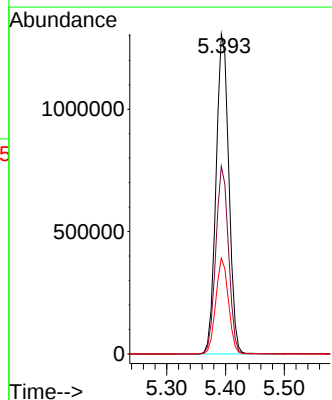
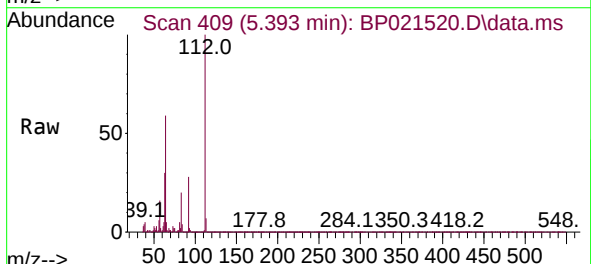
Instrument :
BNA_P
ClientSampleId :
S-855-J-SO-3-3.5-081224

Tgt Ion:152 Resp: 409072
Ion Ratio Lower Upper
152 100
150 150.9 122.4 183.6
115 67.5 54.7 82.1



#5
2-Fluorophenol
Concen: 71.689 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

Tgt Ion:112 Resp: 1974996
Ion Ratio Lower Upper
112 100
64 58.7 49.0 73.6
63 30.0 24.6 36.8



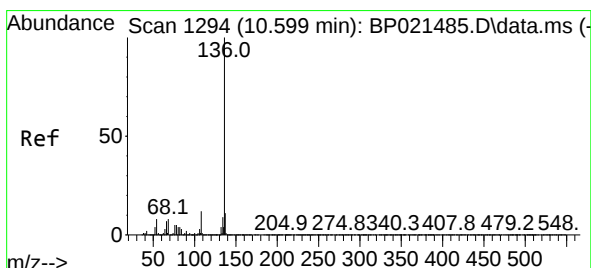
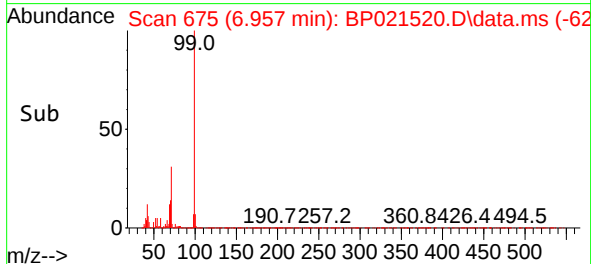
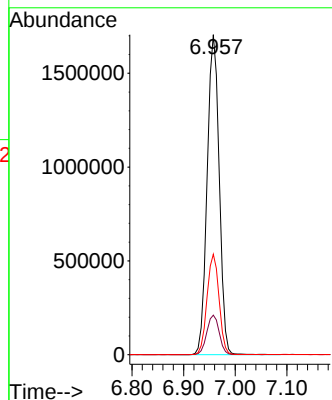
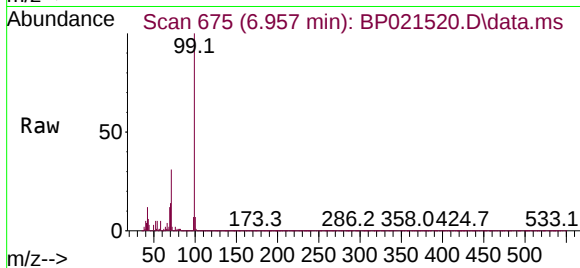


#7
Phenol-d6
Concen: 68.622 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

Instrument :
BNA_P
ClientSampleId :
S-855-J-SO-3-3.5-081224

Tgt Ion: 99 Resp: 2757811

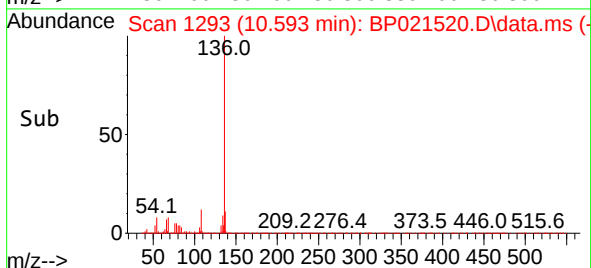
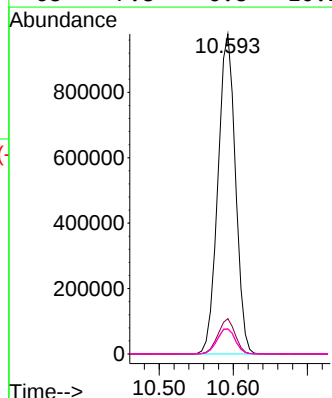
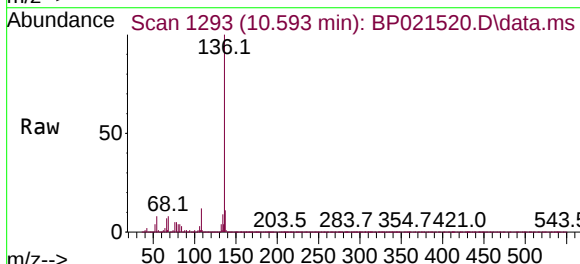
Ion	Ratio	Lower	Upper
99	100		
42	12.3	10.2	15.4
71	31.4	25.8	38.8

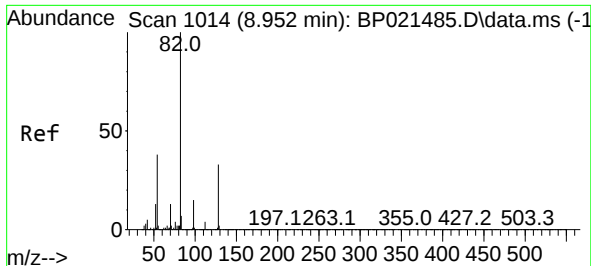


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

Tgt Ion: 136 Resp: 1603363

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	6.3	9.5
68	7.8	6.8	10.2





#23

Nitrobenzene-d5

Concen: 52.470 ng

RT: 8.946 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

Instrument :

BNA_P

ClientSampleId :

S-855-J-SO-3-3.5-081224

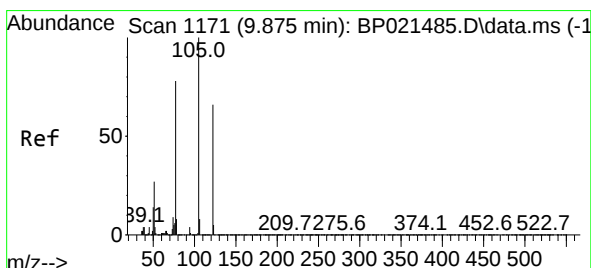
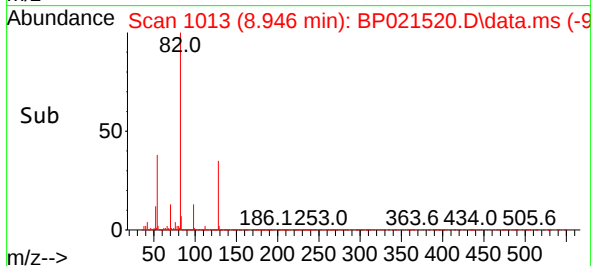
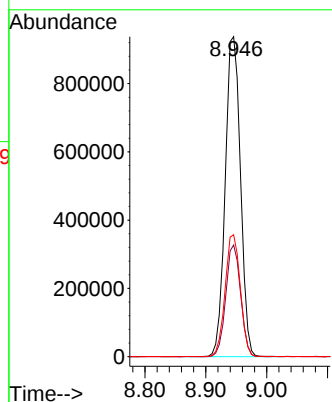
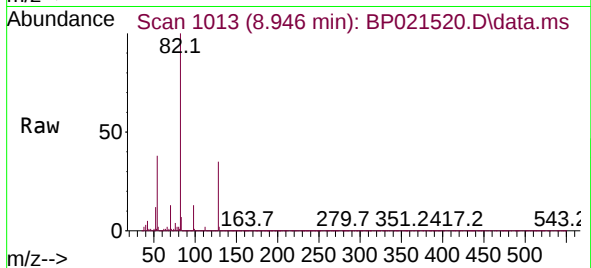
Tgt Ion: 82 Resp: 1629923

Ion Ratio Lower Upper

82 100

128 34.9 26.5 39.7

54 38.1 30.3 45.5



#32

Benzoic acid

Concen: 3.333 ng

RT: 9.857 min Scan# 1168

Delta R.T. -0.018 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

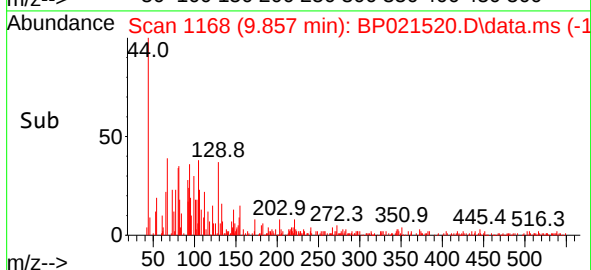
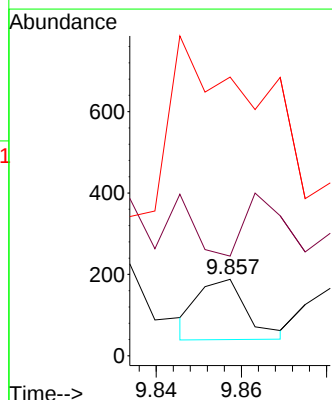
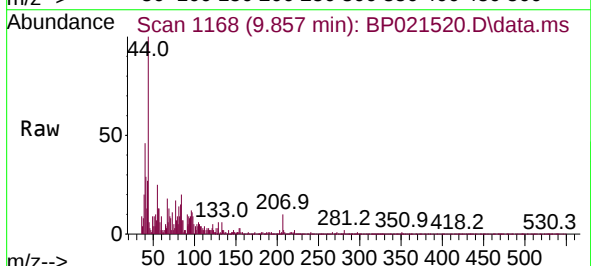
Tgt Ion:122 Resp: 117

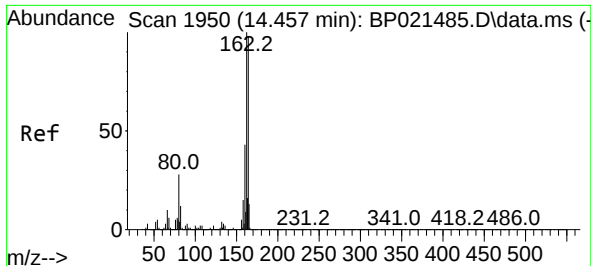
Ion Ratio Lower Upper

122 100

105 130.3 124.6 164.6

77 364.4 96.2 136.2#

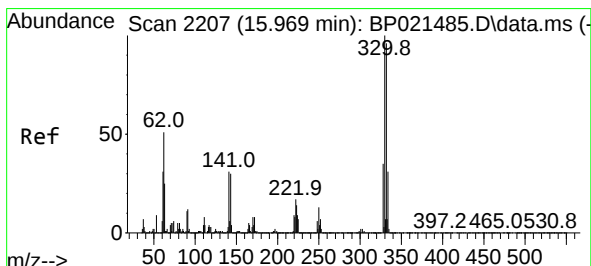
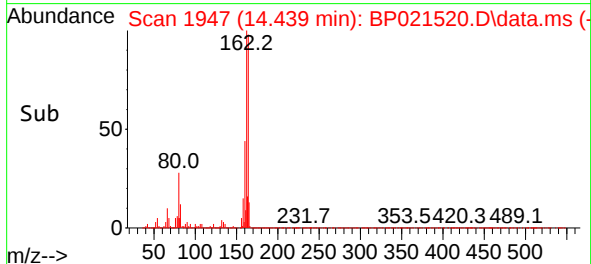
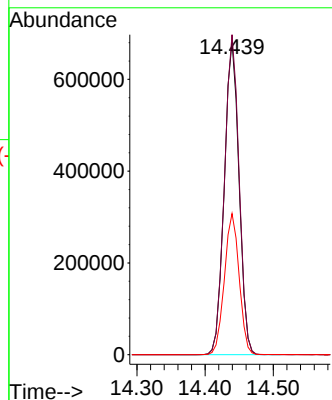
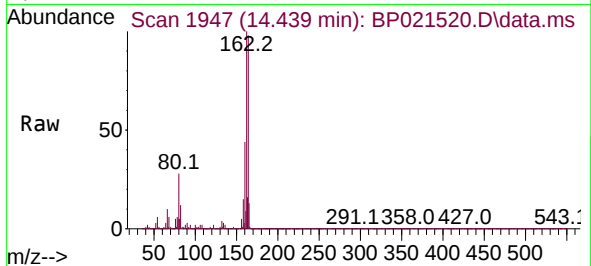




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

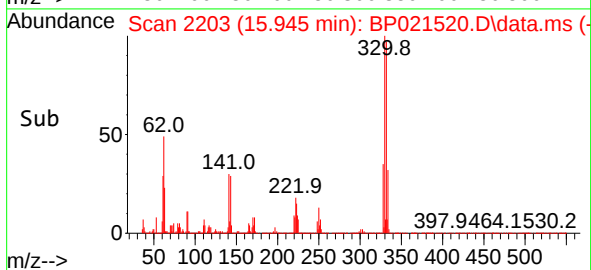
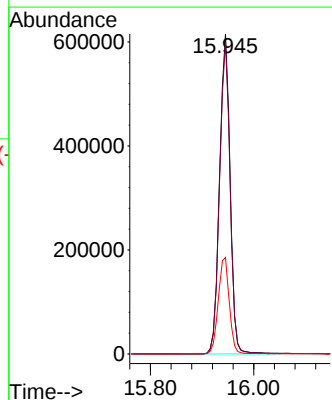
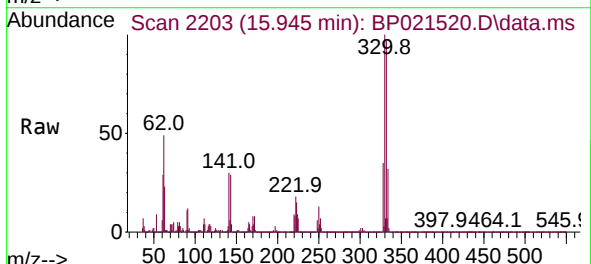
Instrument :
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ClientSampleId :
S-855-J-SO-3-3.5-081224

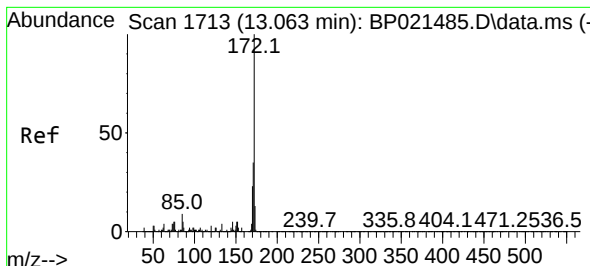
Tgt Ion:164 Resp: 1024171
Ion Ratio Lower Upper
164 100
162 102.3 81.5 122.3
160 45.2 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 76.716 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.024 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

Tgt Ion:330 Resp: 874460
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 31.6 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 44.567 ng

RT: 13.051 min Scan# 1711

Delta R.T. -0.012 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

Instrument :

BNA_P

ClientSampleId :

S-855-J-SO-3-3.5-081224

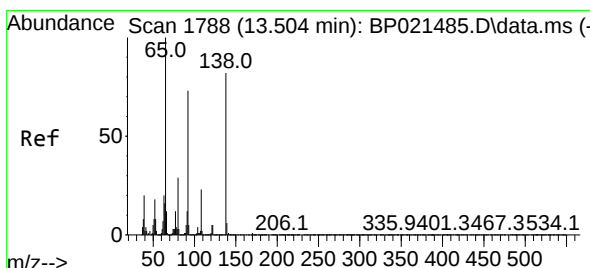
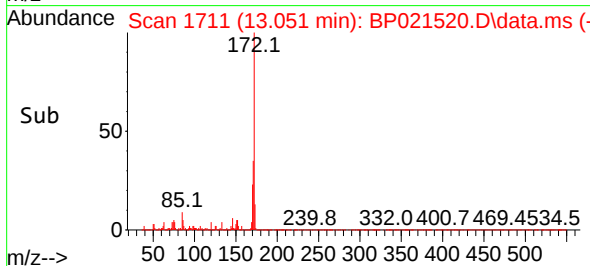
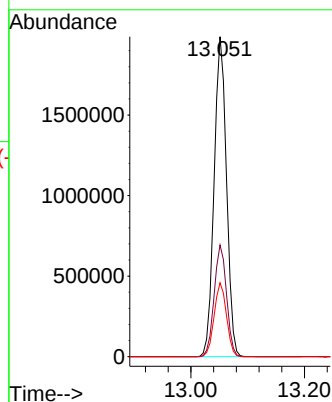
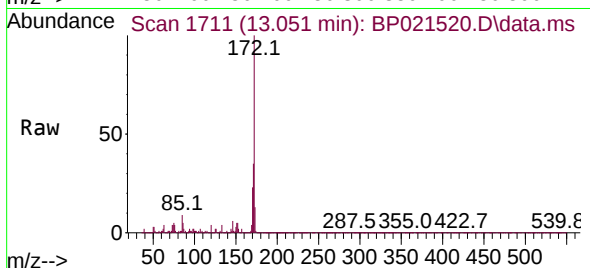
Tgt Ion:172 Resp: 2990798

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.1 18.4 27.6



#48

2-Nitroaniline

Concen: 5.159 ng

RT: 13.481 min Scan# 1784

Delta R.T. -0.023 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

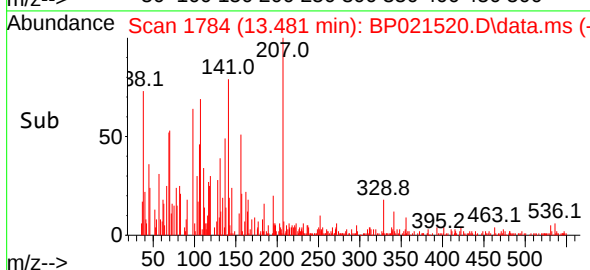
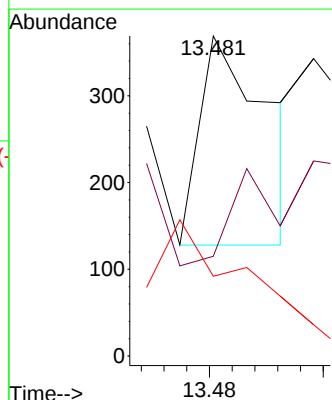
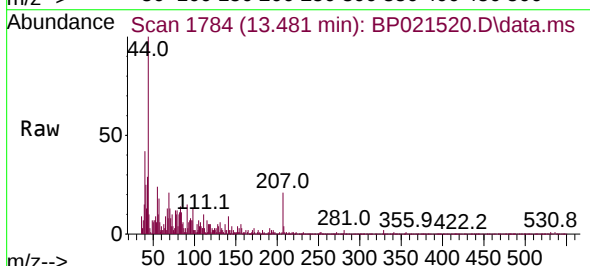
Tgt Ion: 65 Resp: 202

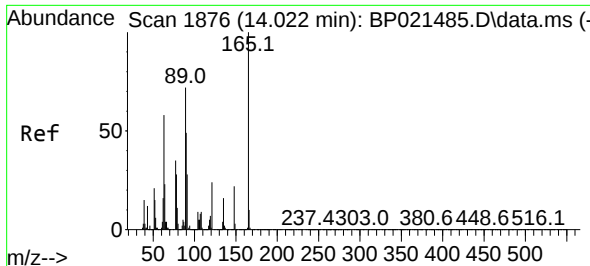
Ion Ratio Lower Upper

65 100

92 31.2 58.1 87.1#

138 24.9 65.5 98.3#

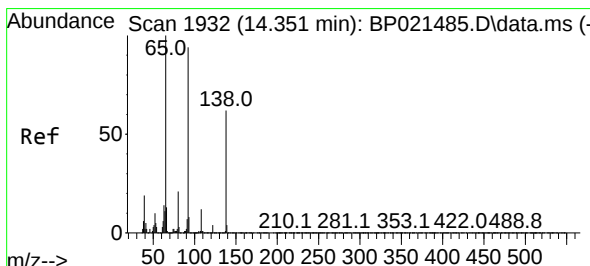
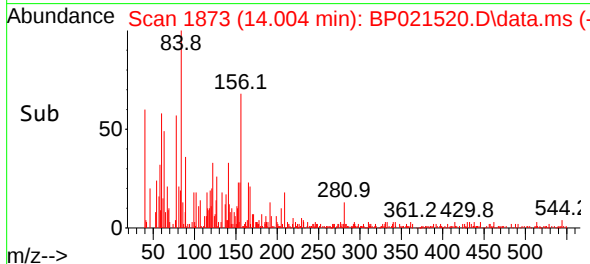
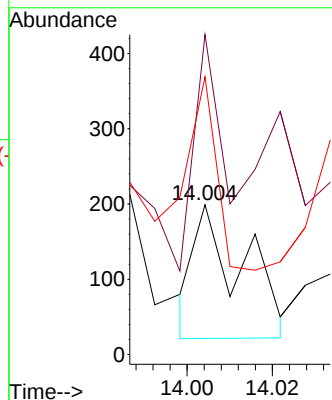
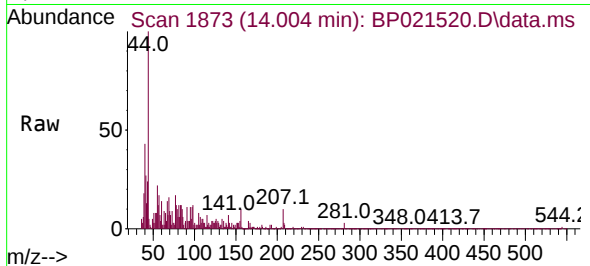




#51
2,6-Dinitrotoluene
Concen: 3.995 ng
RT: 14.004 min Scan# 1876
Delta R.T. -0.018 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

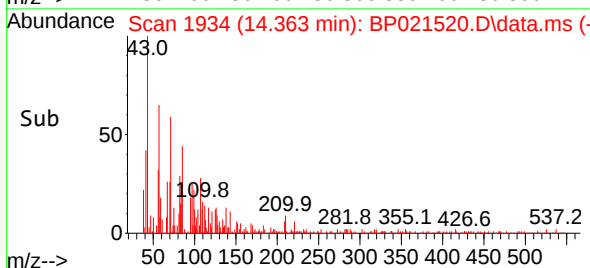
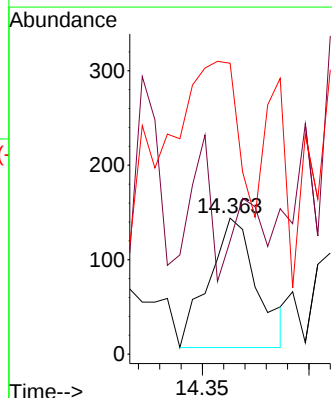
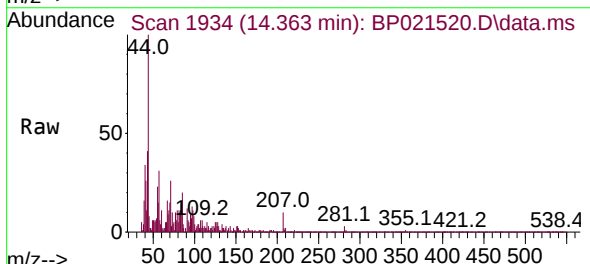
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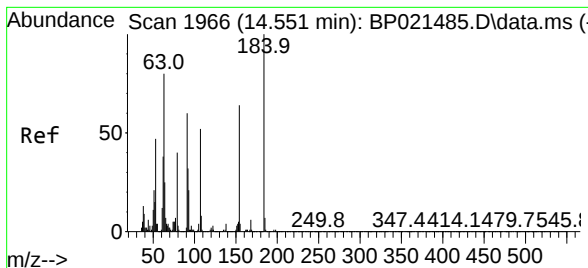
Tgt Ion	Ratio	Lower	Upper
165	100		
63	213.6	51.5	77.3#
89	188.4	57.8	86.8#



#53
3-Nitroaniline
Concen: 3.984 ng
RT: 14.363 min Scan# 1934
Delta R.T. 0.012 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

Tgt Ion	Ratio	Lower	Upper
138	100		
108	83.3	16.2	24.4#
92	213.9	122.2	183.4#





#54

2,4-Dinitrophenol

Concen: 2.438 ng

RT: 14.510 min Scan# 1966

Delta R.T. -0.041 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

Instrument :

BNA_P

ClientSampleId :

S-855-J-SO-3-3.5-081224

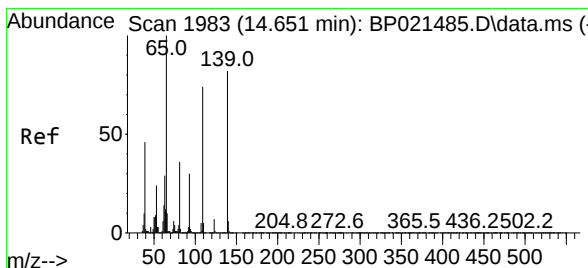
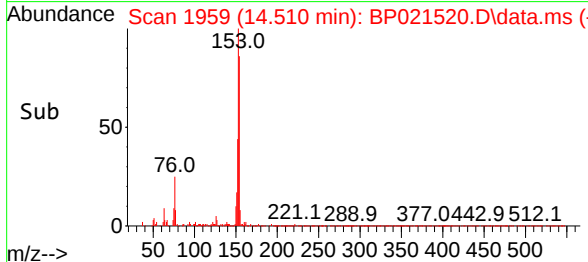
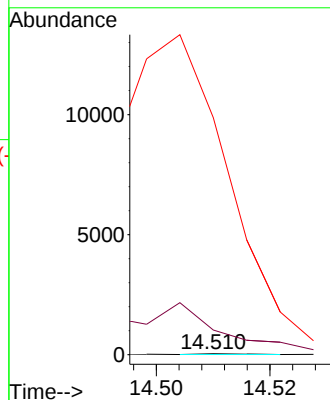
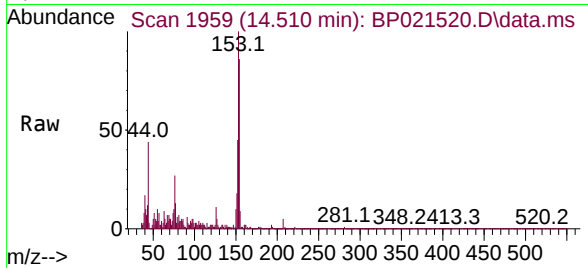
Tgt Ion:184 Resp: 20

Ion Ratio Lower Upper

184 100

63 2447.6 64.9 97.3#

154 23504.8 52.1 78.1#



#56

4-Nitrophenol

Concen: 5.110 ng

RT: 14.645 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

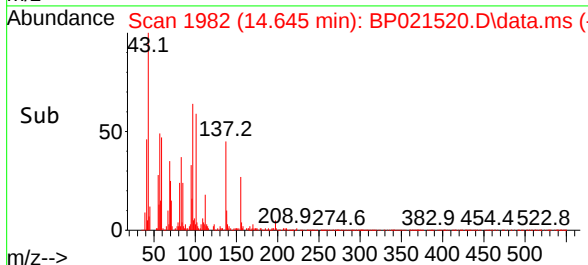
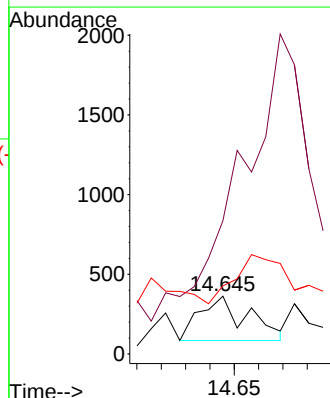
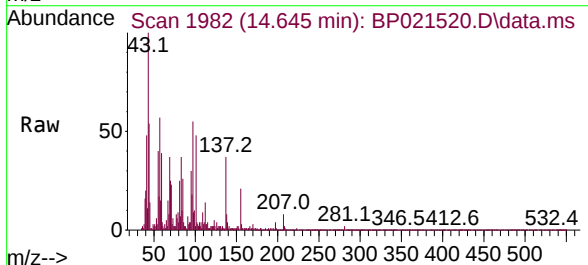
Tgt Ion:139 Resp: 382

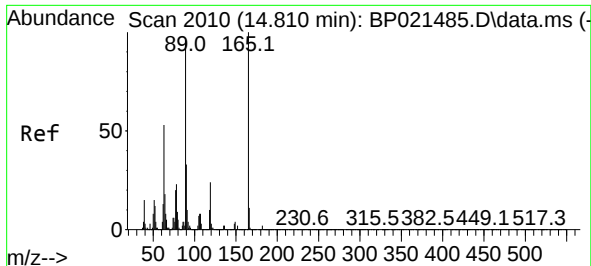
Ion Ratio Lower Upper

139 100

109 230.3 70.2 110.2#

65 117.9 101.8 141.8

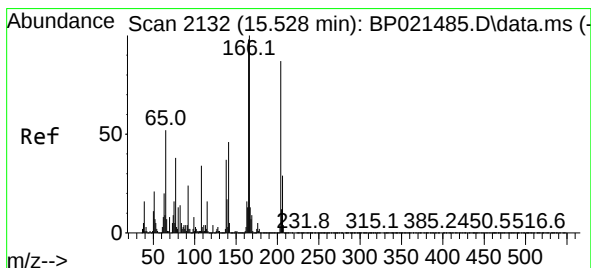
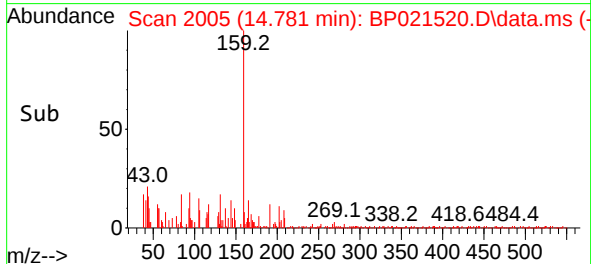
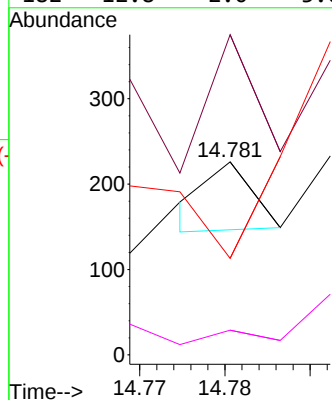
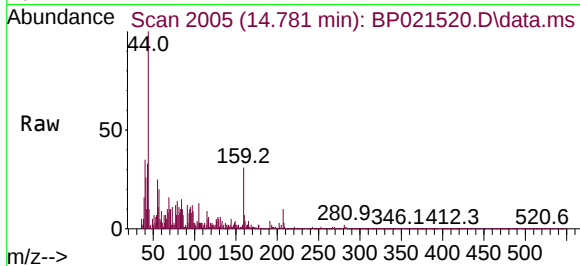




#57
2,4-Dinitrotoluene
Concen: 5.024 ng
RT: 14.781 min Scan# 2010
Delta R.T. -0.029 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

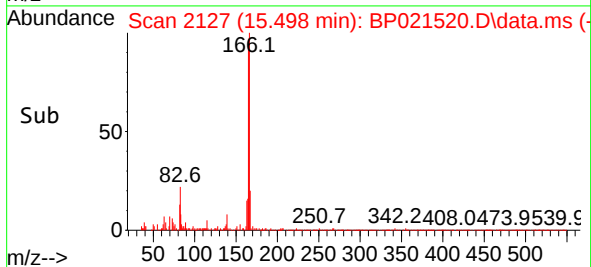
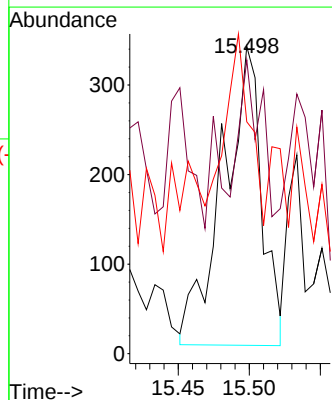
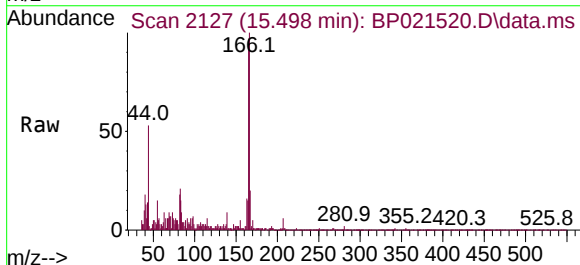
Instrument :
BNA_P
ClientSampleId :
S-855-J-SO-3-3.5-081224

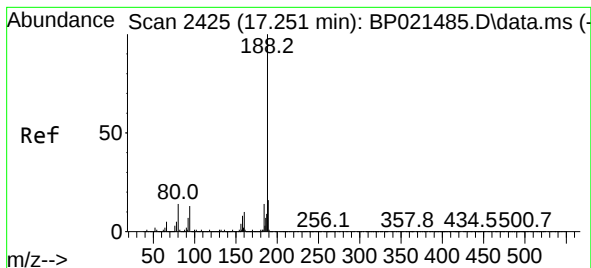
Tgt Ion:165 Resp: 29
Ion Ratio Lower Upper
165 100
63 165.9 42.5 63.7#
89 50.0 77.1 115.7#
182 12.8 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.978 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.030 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

Tgt Ion:138 Resp: 638
Ion Ratio Lower Upper
138 100
92 95.6 46.4 86.4#
108 75.5 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.228 min Scan# 2425

Delta R.T. -0.024 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

Instrument :

BNA_P

ClientSampleId :

S-855-J-SO-3-3.5-081224

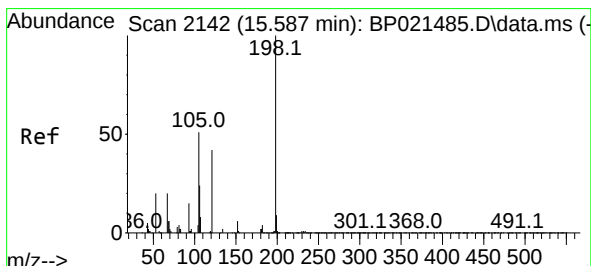
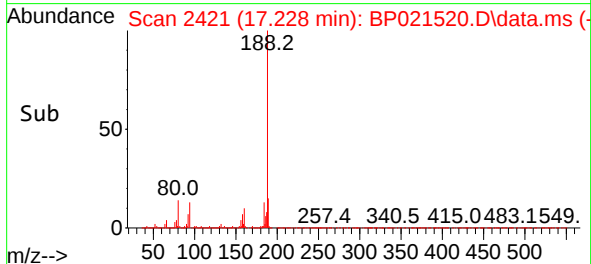
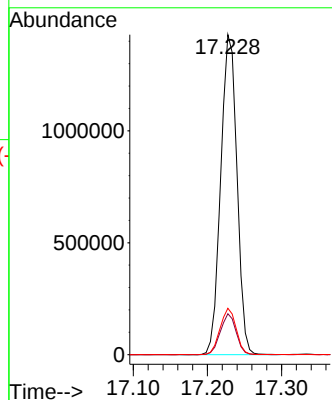
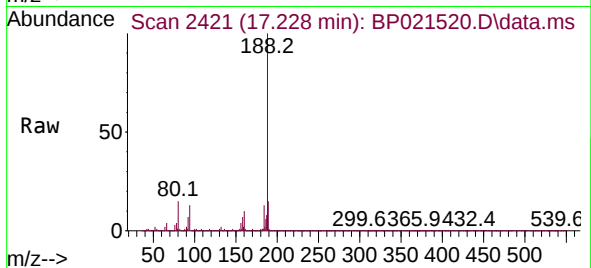
Tgt Ion:188 Resp: 2176009

Ion Ratio Lower Upper

188 100

94 12.8 10.2 15.4

80 14.5 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.623 ng

RT: 15.586 min Scan# 2142

Delta R.T. -0.001 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

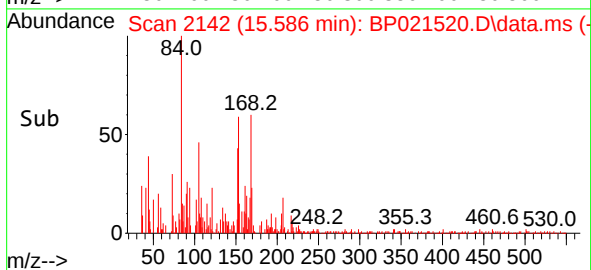
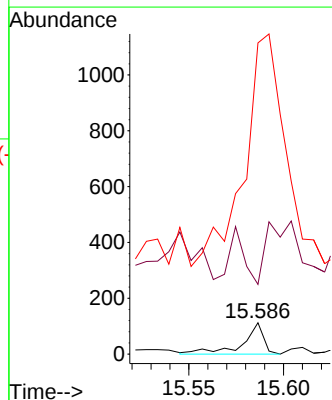
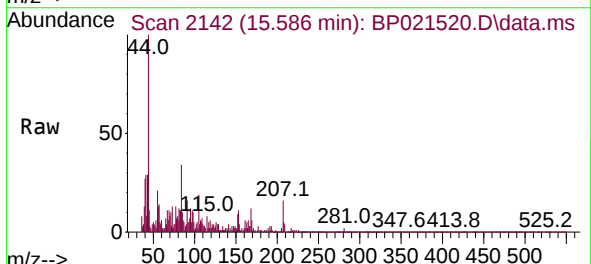
Tgt Ion:198 Resp: 85

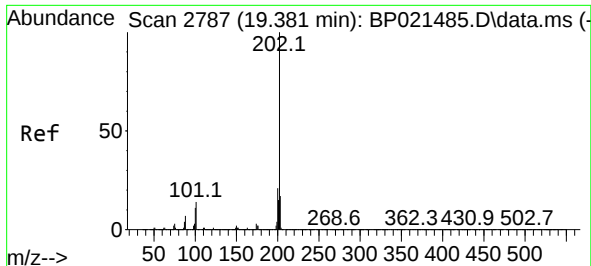
Ion Ratio Lower Upper

198 100

51 223.2 21.5 61.5#

105 995.5 32.9 72.9#

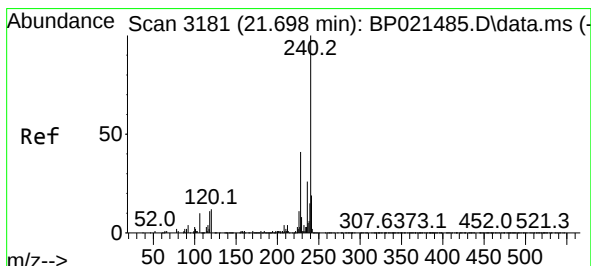
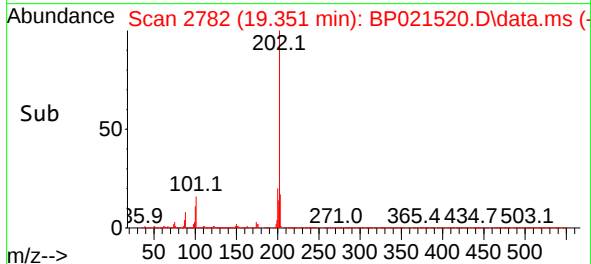
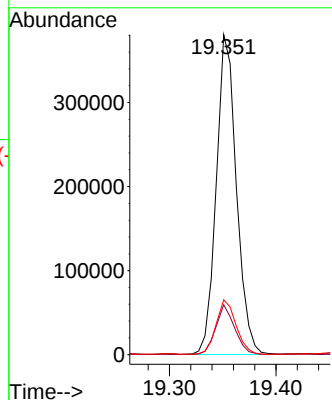
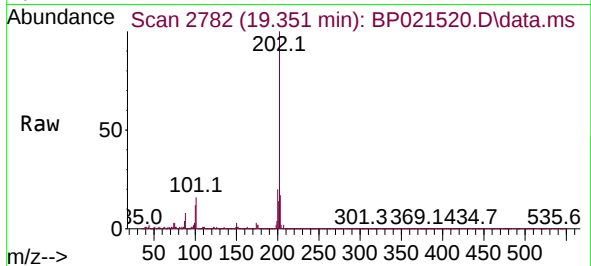




#75
Fluoranthene
Concen: 3.887 ng
RT: 19.351 min Scan# 21
Delta R.T. -0.030 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

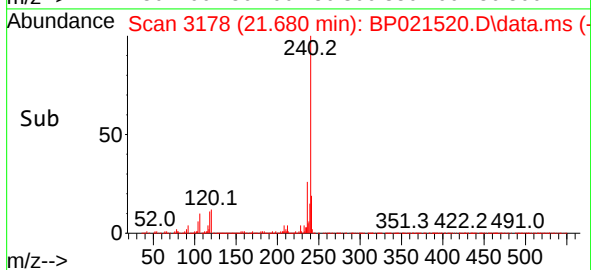
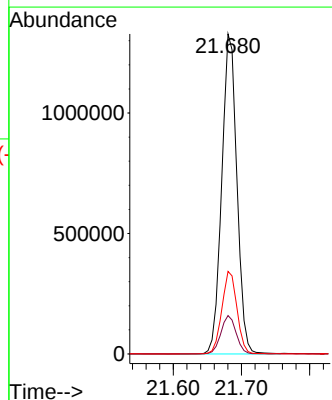
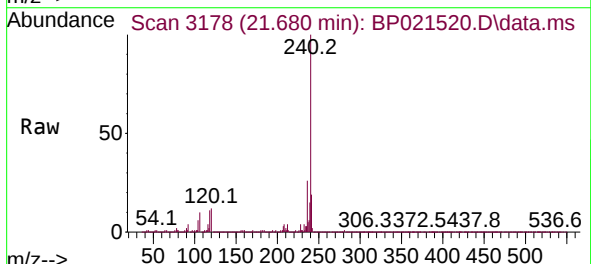
Instrument :
BNA_P
ClientSampleId :
S-855-J-SO-3-3.5-081224

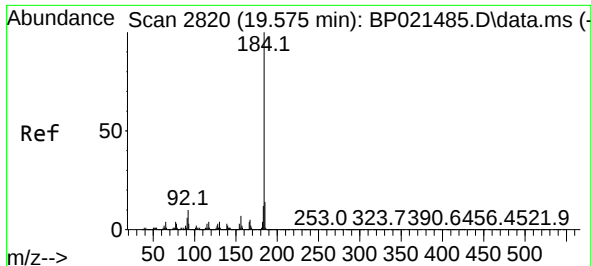
Tgt Ion:202 Resp: 499051
Ion Ratio Lower Upper
202 100
101 15.6 0.0 34.0
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.680 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

Tgt Ion:240 Resp: 2054960
Ion Ratio Lower Upper
240 100
120 12.0 9.9 14.9
236 25.8 20.6 30.8

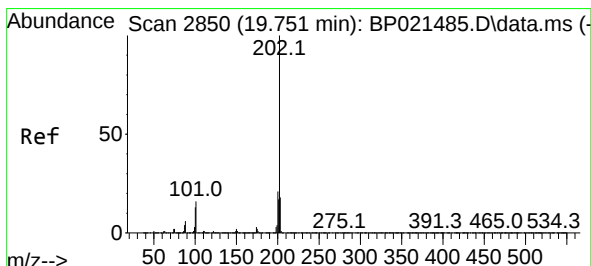
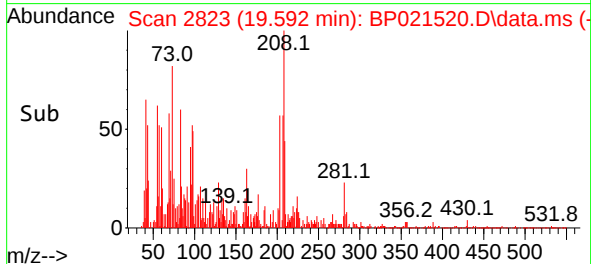
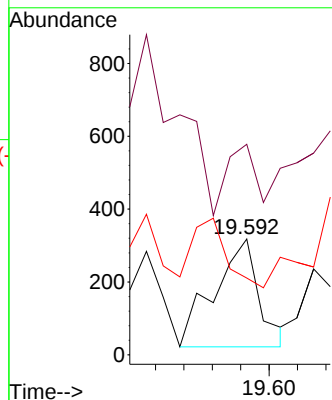
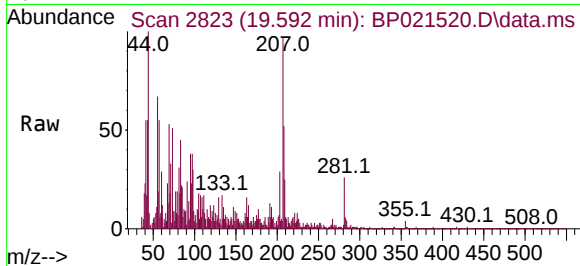




#77
Benzidine
Concen: 4.578 ng
RT: 19.592 min Scan# 2823
Delta R.T. 0.017 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

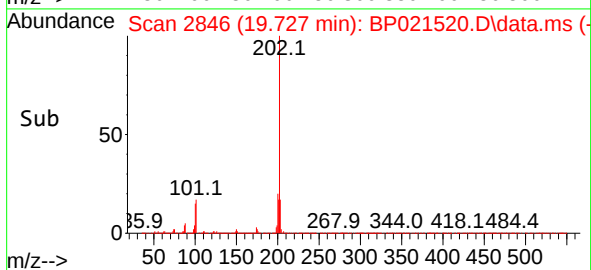
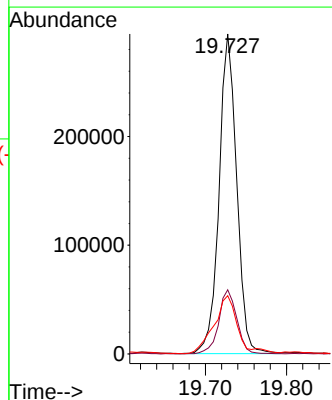
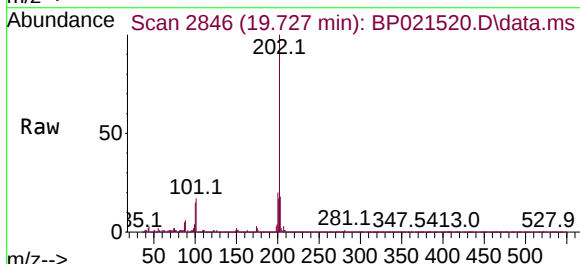
Instrument :
BNA_P
ClientSampleId :
S-855-J-SO-3-3.5-081224

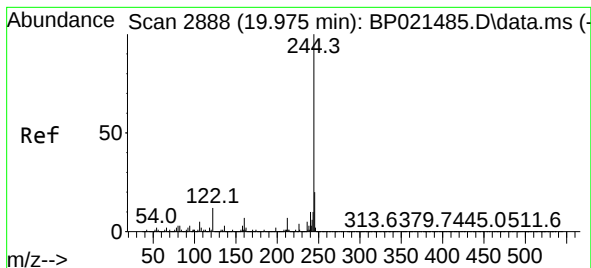
Tgt Ion:184 Resp: 325
Ion Ratio Lower Upper
184 100
185 181.8 11.4 17.0#
183 66.4 9.3 13.9#



#78
Pyrene
Concen: 3.304 ng
RT: 19.727 min Scan# 2846
Delta R.T. -0.024 min
Lab File: BP021520.D
Acq: 15 Aug 2024 19:20

Tgt Ion:202 Resp: 443742
Ion Ratio Lower Upper
202 100
200 20.1 16.7 25.1
203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 46.621 ng

RT: 19.951 min Scan# 2884

Delta R.T. -0.024 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

Instrument :

BNA_P

ClientSampleId :

S-855-J-SO-3-3.5-081224

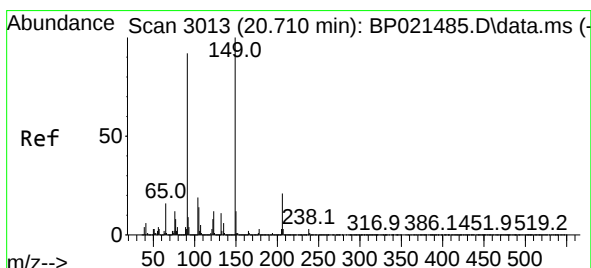
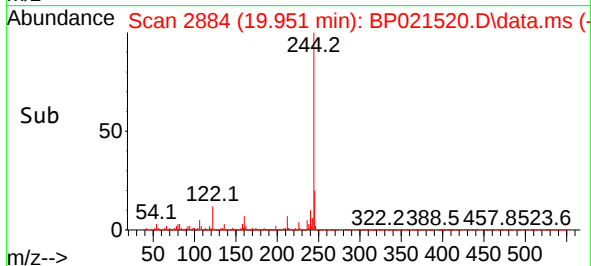
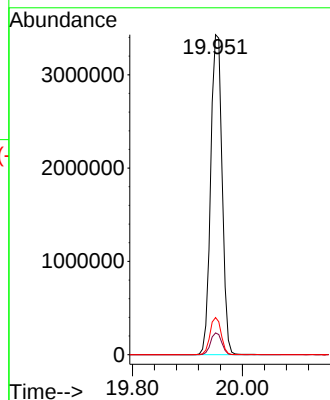
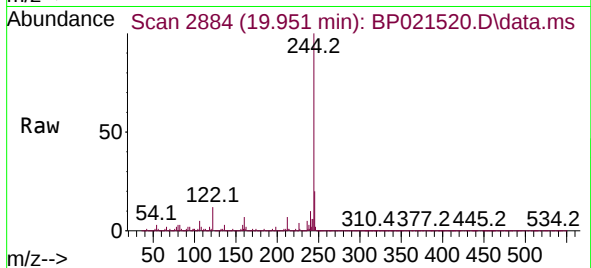
Tgt Ion:244 Resp: 4931384

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.6 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.703 ng

RT: 20.692 min Scan# 3010

Delta R.T. -0.018 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

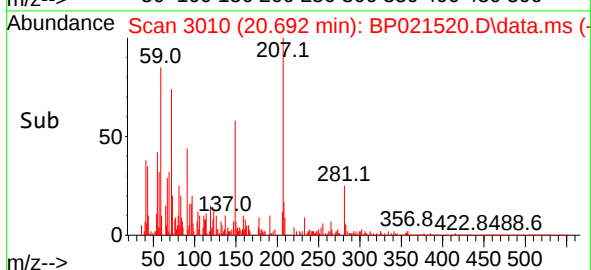
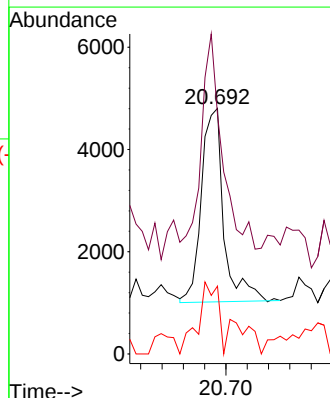
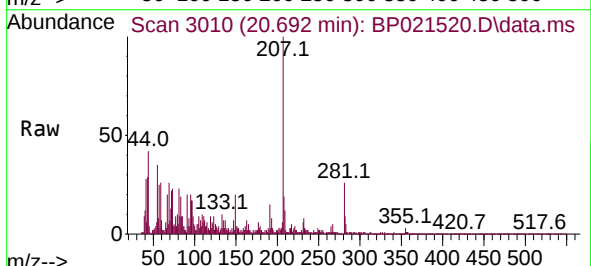
Tgt Ion:149 Resp: 5525

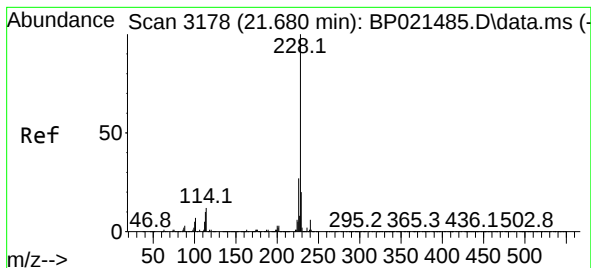
Ion Ratio Lower Upper

149 100

91 97.6 73.3 109.9

206 27.6 17.1 25.7#





#81

Benzo(a)anthracene

Concen: 2.173 ng

RT: 21.663 min Scan# 3175

Delta R.T. -0.018 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

Instrument :

BNA_P

ClientSampleId :

S-855-J-SO-3-3.5-081224

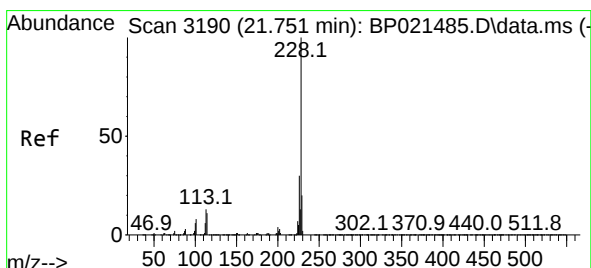
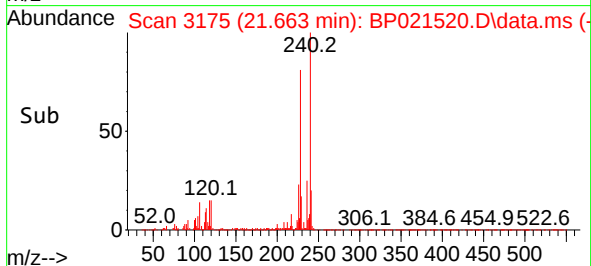
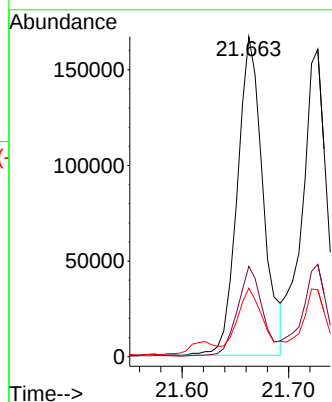
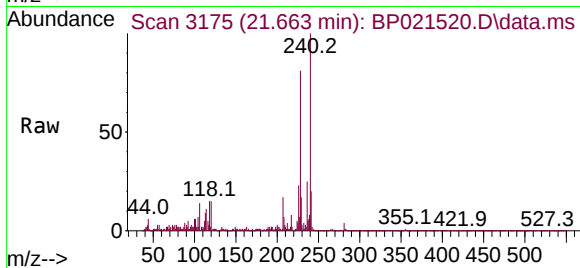
Tgt Ion:228 Resp: 280351

Ion Ratio Lower Upper

228 100

226 28.2 21.4 32.2

229 21.4 15.8 23.6



#83

Chrysene

Concen: 2.134 ng

RT: 21.727 min Scan# 3186

Delta R.T. -0.024 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

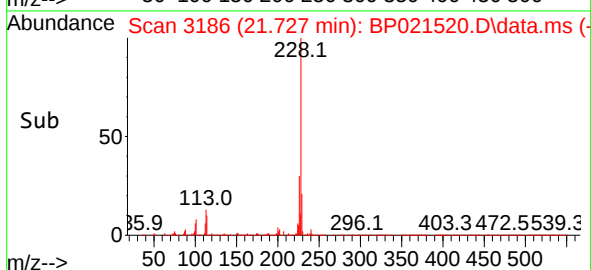
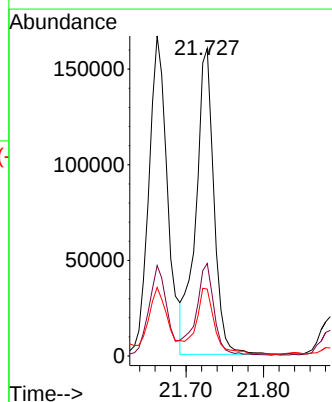
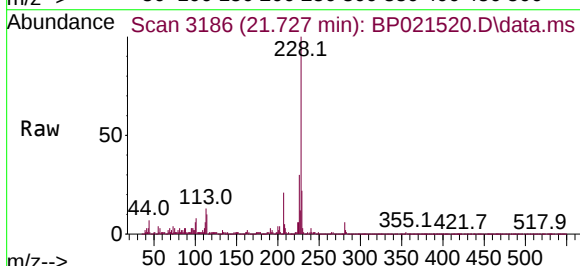
Tgt Ion:228 Resp: 259860

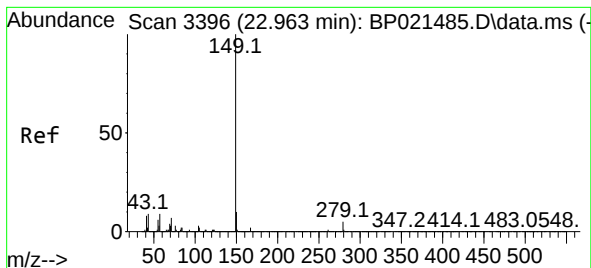
Ion Ratio Lower Upper

228 100

226 30.1 23.9 35.9

229 21.8 15.8 23.6





#85

Di-n-octyl phthalate

Concen: 4.963 ng

RT: 22.927 min Scan# 31

Delta R.T. -0.036 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

Instrument :

BNA_P

ClientSampleId :

S-855-J-SO-3-3.5-081224

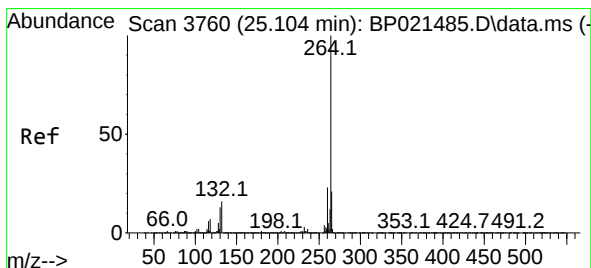
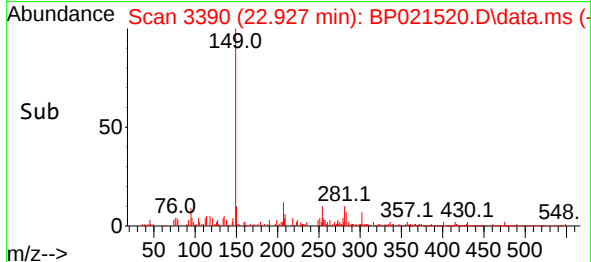
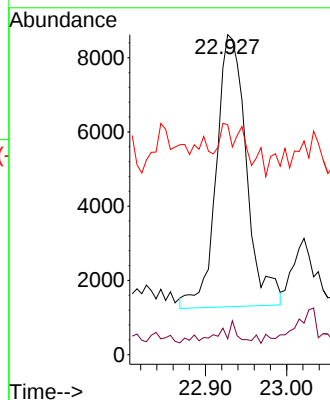
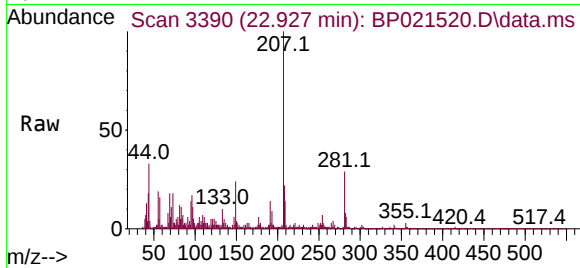
Tgt Ion:149 Resp: 18845

Ion Ratio Lower Upper

149 100

167 2.7 1.3 1.9#

43 3.7 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.086 min Scan# 3757

Delta R.T. -0.018 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

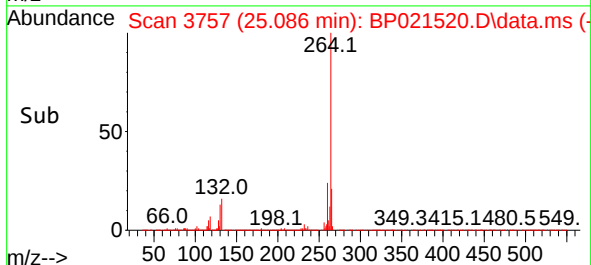
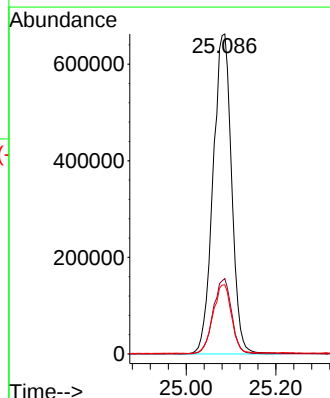
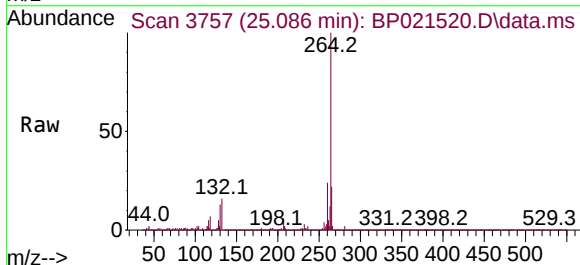
Tgt Ion:264 Resp: 1899731

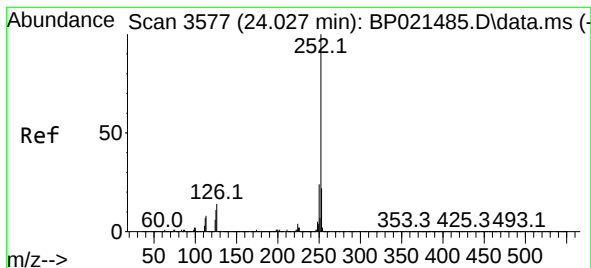
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.6 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 2.683 ng

RT: 23.992 min Scan# 3571

Delta R.T. -0.035 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

Instrument :

BNA_P

ClientSampleId :

S-855-J-SO-3-3.5-081224

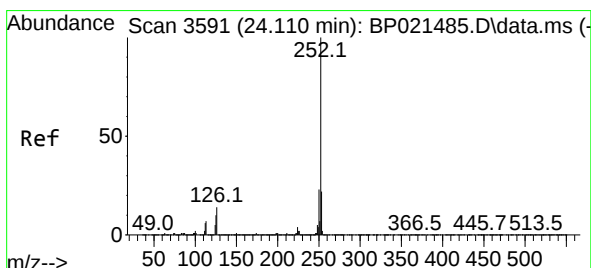
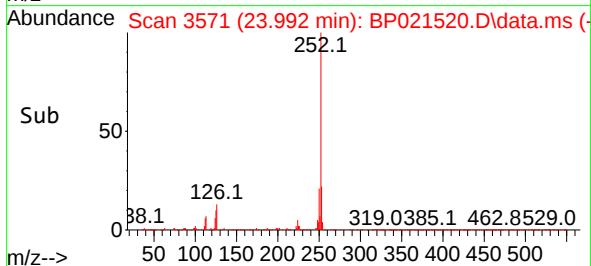
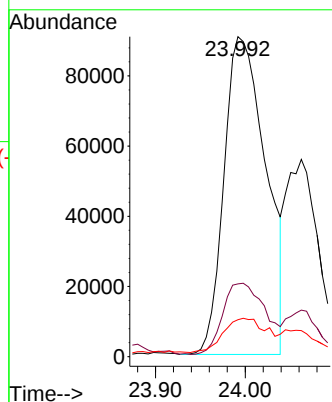
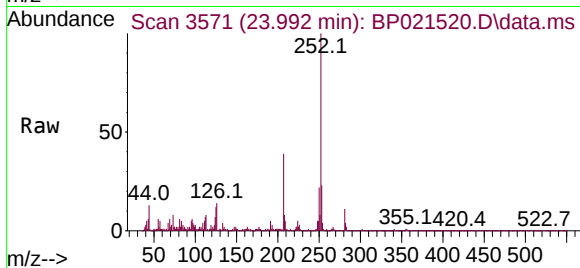
Tgt Ion:252 Resp: 292716

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 11.5 8.6 13.0



#89

Benzo(k)fluoranthene

Concen: 2.750 ng

RT: 23.992 min Scan# 3571

Delta R.T. -0.118 min

Lab File: BP021520.D

Acq: 15 Aug 2024 19:20

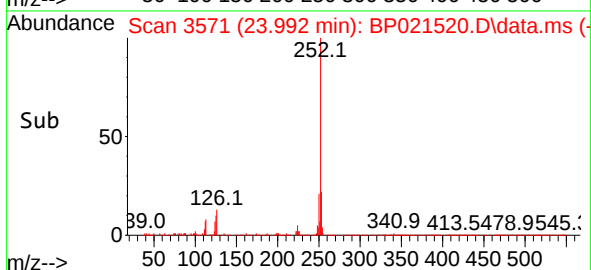
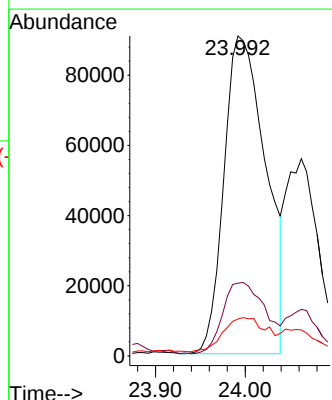
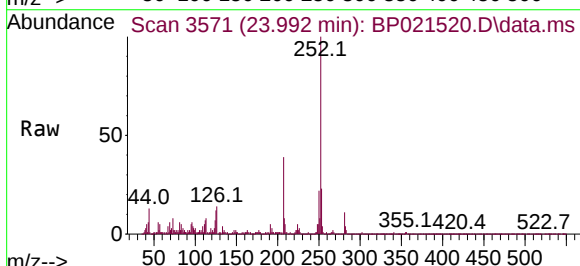
Tgt Ion:252 Resp: 292716

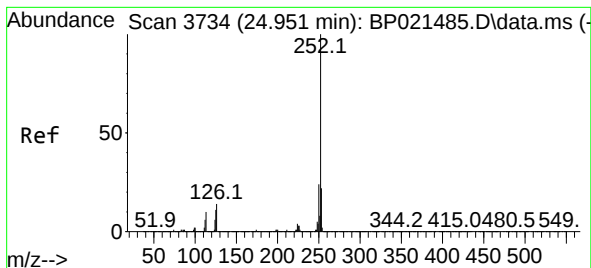
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 11.5 7.8 11.8





#90

Benzo(a)pyrene

Concen: 2.252 ng

RT: 24.915 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP021520.D

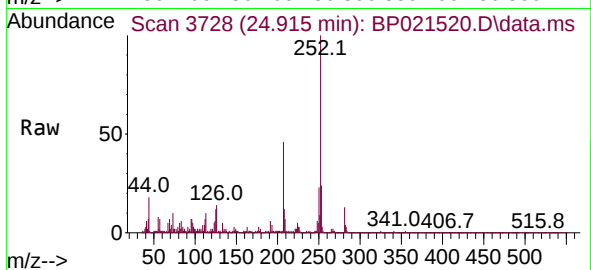
Acq: 15 Aug 2024 19:20

Instrument :

BNA_P

ClientSampleId :

S-855-J-SO-3-3.5-081224



Tgt Ion:252 Resp: 213247

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 11.7 8.7 13.1

