

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
 Data File : BP021560.D
 Acq On : 19 Aug 2024 19:37
 Operator : RC/JU
 Sample : P3518-25
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-13-080724

Quant Time: Aug 20 00:08:37 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)

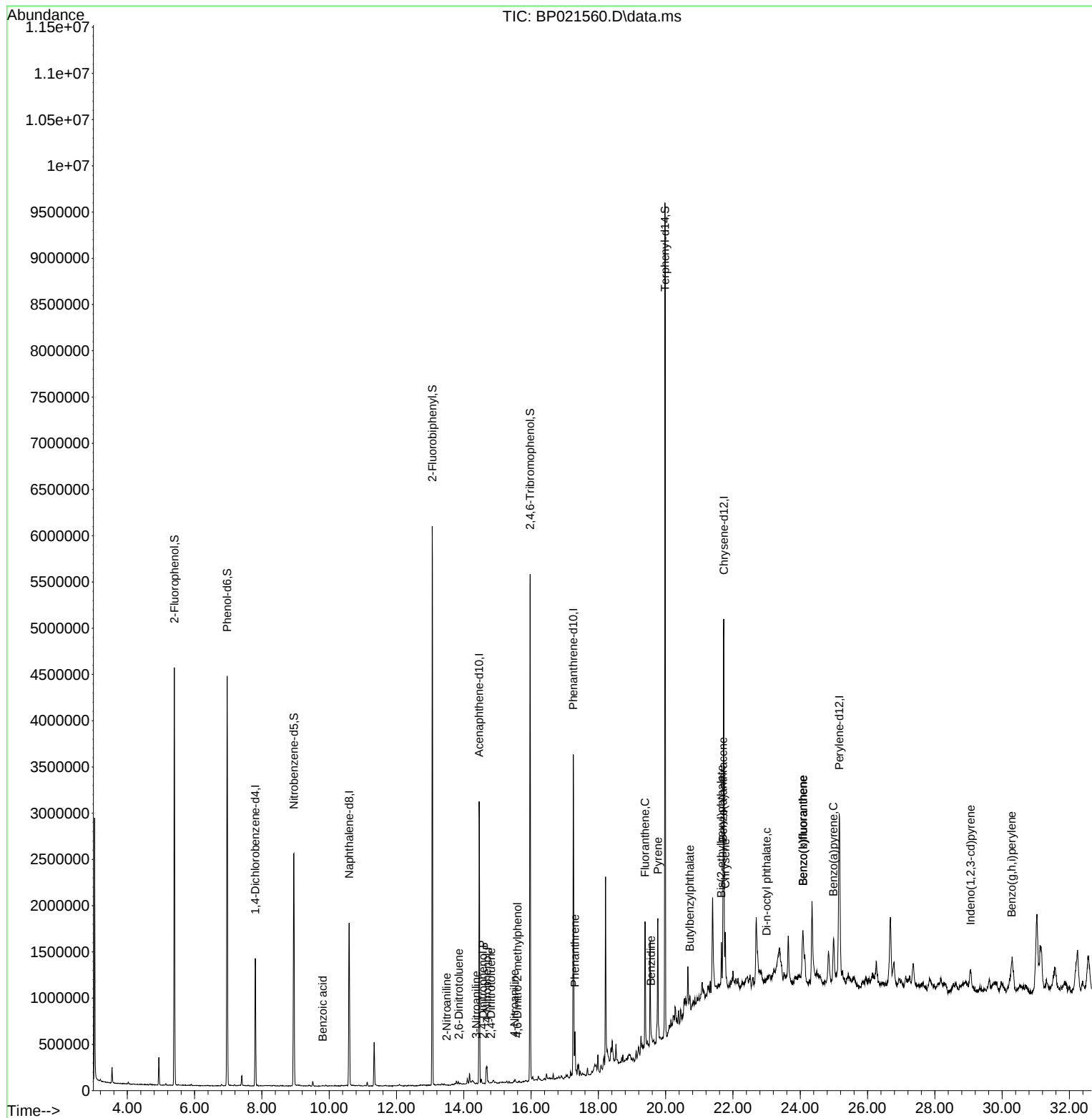
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	368873	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1549880	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1017895	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2139035	20.000	ng	0.00
76) Chrysene-d12	21.727	240	1871324	20.000	ng	0.03
86) Perylene-d12	25.162	264	2176723	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1992109	80.190	ng	0.00
7) Phenol-d6	6.969	99	2910880	80.324	ng	0.00
23) Nitrobenzene-d5	8.951	82	1742208	58.020	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	1055971	93.211	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2828601	42.410	ng	0.00
79) Terphenyl-d14	19.980	244	4264666	44.274	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.681	139	41	Below Cal	#	1
32) Benzoic acid	9.810	122	2339	3.606	ng	96
48) 2-Nitroaniline	13.492	65	297	5.164	ng	# 59
51) 2,6-Dinitrotoluene	13.857	165	89	3.992	ng	89
53) 3-Nitroaniline	14.375	138	168	3.981	ng	# 64
54) 2,4-Dinitrophenol	14.569	184	345	2.567	ng	# 1
56) 4-Nitrophenol	14.692	139	1100	5.170	ng	# 2
57) 2,4-Dinitrotoluene	14.810	165	167	5.031	ng	# 45
62) 4-Nitroaniline	15.504	138	188	2.947	ng	# 18
65) 4,6-Dinitro-2-methylph...	15.598	198	145	4.635	ng	# 1
71) Phenanthrene	17.304	178	322414	3.134	ng	99
75) Fluoranthene	19.386	202	847361	6.713	ng	99
77) Benzidine	19.563	184	4011	4.642	ng	# 1
78) Pyrene	19.769	202	785463	6.422	ng	100
80) Butylbenzylphthalate	20.721	149	8822	3.778	ng	# 63
81) Benzo(a)anthracene	21.704	228	402665	3.428	ng	95
83) Chrysene	21.774	228	436764	3.938	ng	98
84) Bis(2-ethylhexyl)phtha...	21.657	149	192269	2.769	ng	98
85) Di-n-octyl phthalate	22.998	149	2945	4.858	ng	# 56
87) Indeno(1,2,3-cd)pyrene	29.068	276	381520	2.704	ng	# 87
88) Benzo(b)fluoranthene	24.080	252	686462	5.491	ng	# 94
89) Benzo(k)fluoranthene	24.080	252	686462	5.629	ng	# 93
90) Benzo(a)pyrene	24.986	252	456291	4.206	ng	# 94
92) Benzo(g,h,i)perylene	30.286	276	385148	3.278	ng	96

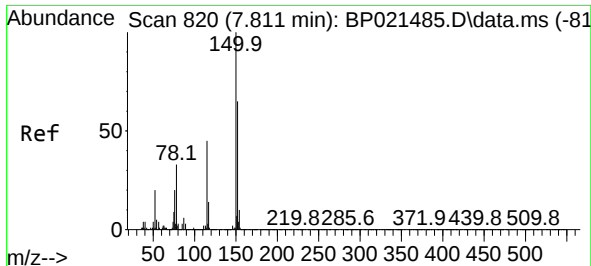
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
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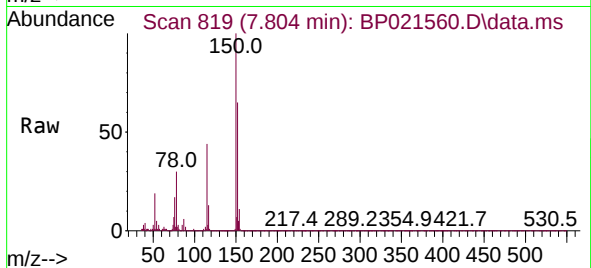
Quant Time: Aug 20 00:08:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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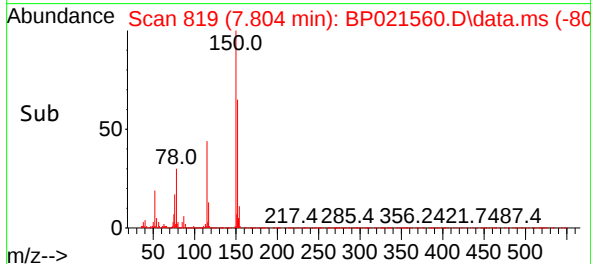
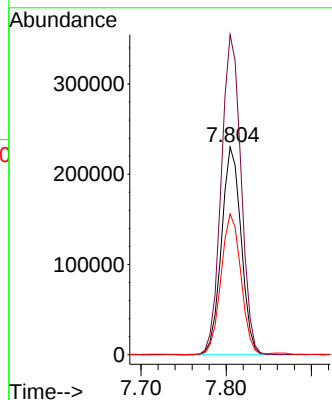


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

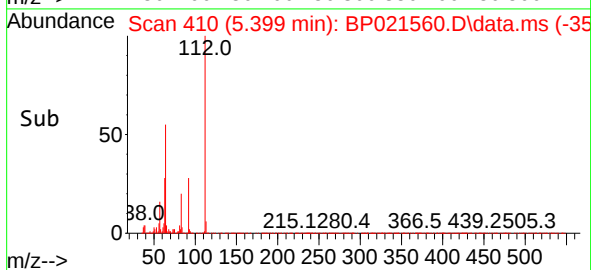
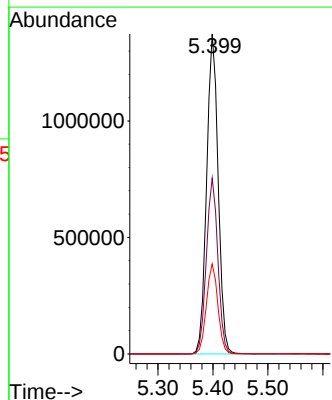
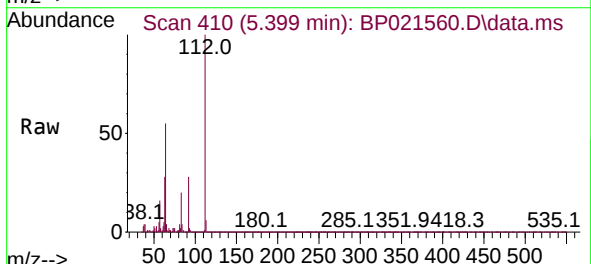


Tgt Ion:152 Resp: 368873
Ion Ratio Lower Upper
152 100
150 154.0 122.4 183.6
115 67.8 54.7 82.1



#5
2-Fluorophenol
Concen: 80.190 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:112 Resp: 1992109
Ion Ratio Lower Upper
112 100
64 55.0 49.0 73.6
63 28.2 24.6 36.8

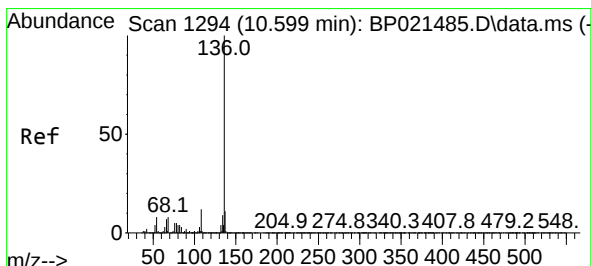
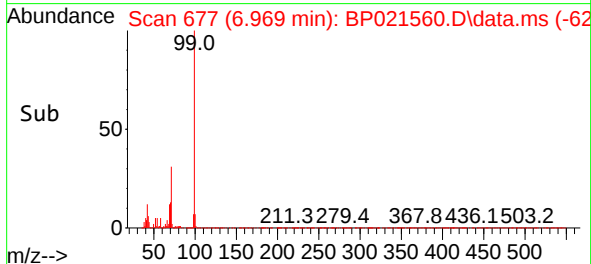
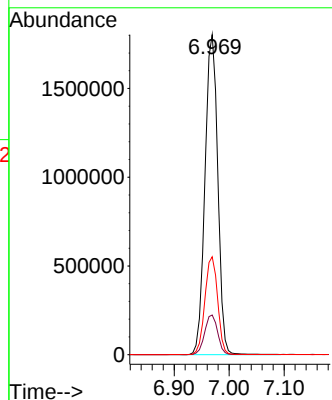
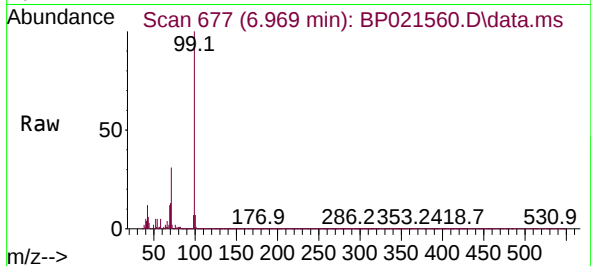




#7
Phenol-d6
Concen: 80.324 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

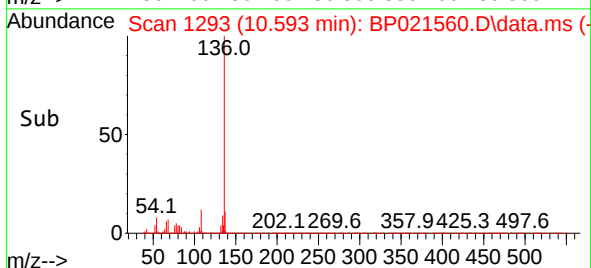
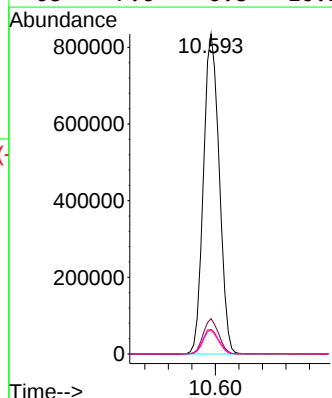
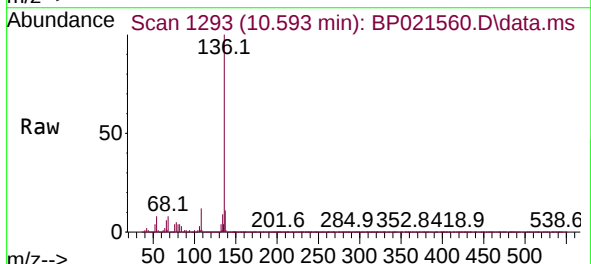
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

Tgt Ion: 99 Resp: 2910880
Ion Ratio Lower Upper
99 100
42 12.4 10.2 15.4
71 30.6 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: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:136 Resp: 1549880
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 6.3 9.5
68 7.6 6.8 10.2

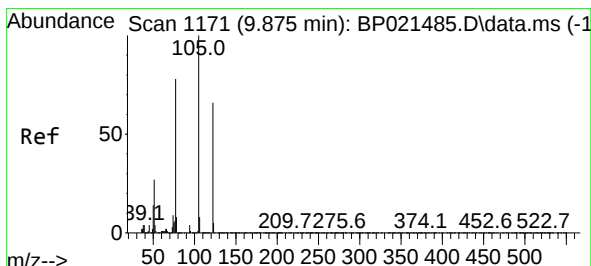
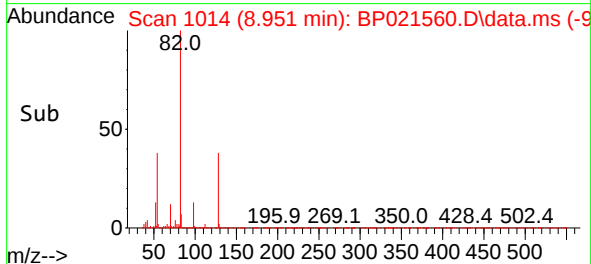
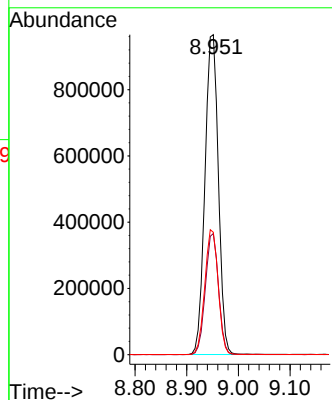
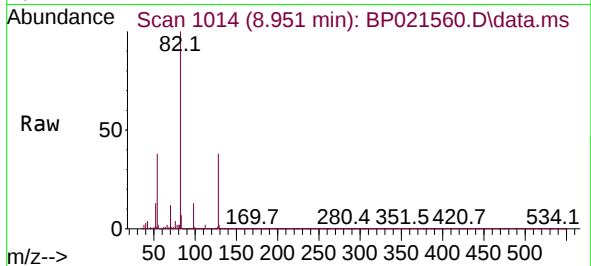




#23
Nitrobenzene-d5
Concen: 58.020 ng
RT: 8.951 min Scan# 110
Delta R.T. -0.000 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

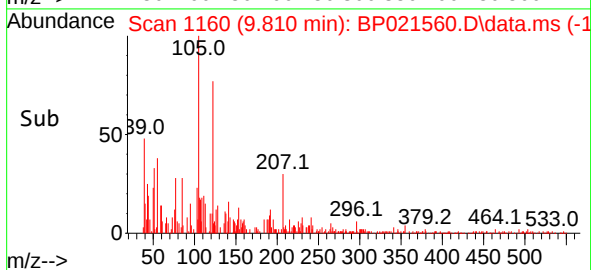
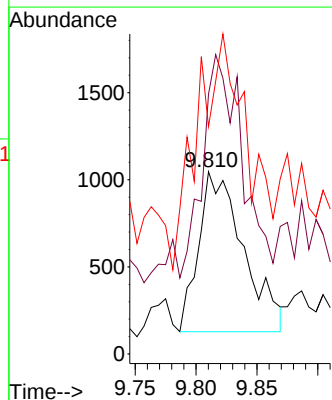
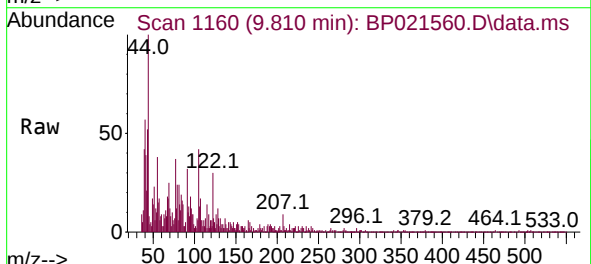
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

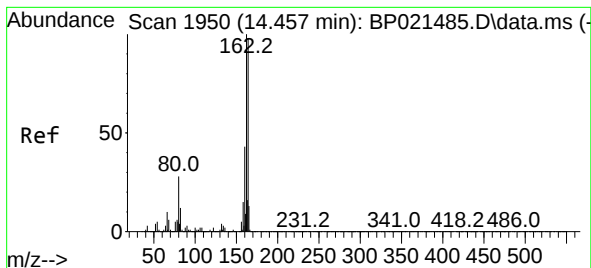
Tgt Ion: 82 Resp: 1742208
Ion Ratio Lower Upper
82 100
128 37.9 26.5 39.7
54 38.3 30.3 45.5



#32
Benzoic acid
Concen: 3.606 ng
RT: 9.810 min Scan# 1160
Delta R.T. -0.065 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:122 Resp: 2339
Ion Ratio Lower Upper
122 100
105 142.6 124.6 164.6
77 124.8 96.2 136.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1950

Delta R.T. -0.000 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

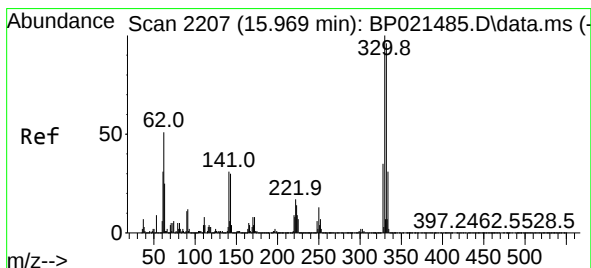
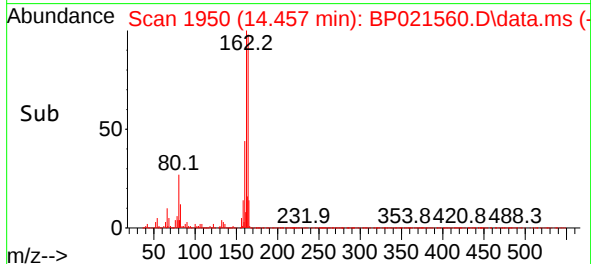
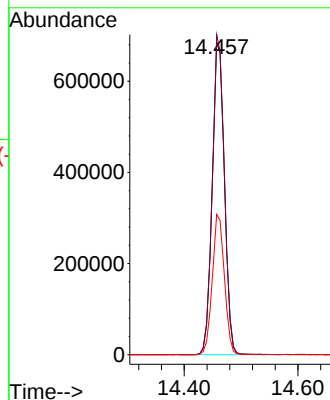
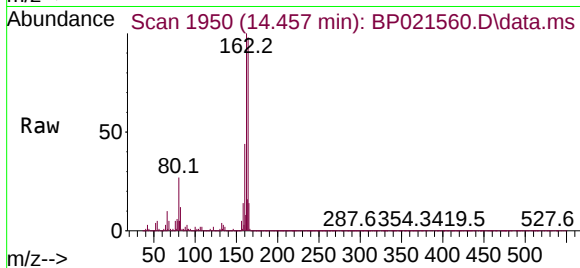
Tgt Ion:164 Resp: 1017895

Ion Ratio Lower Upper

164 100

162 102.3 81.5 122.3

160 44.9 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 93.211 ng

RT: 15.975 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

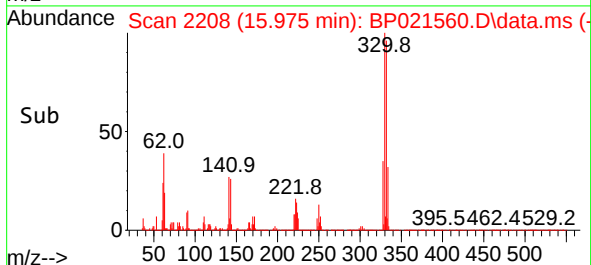
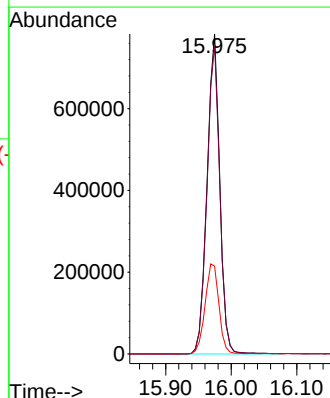
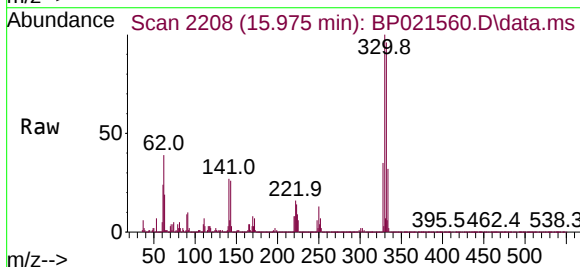
Tgt Ion:330 Resp: 1055971

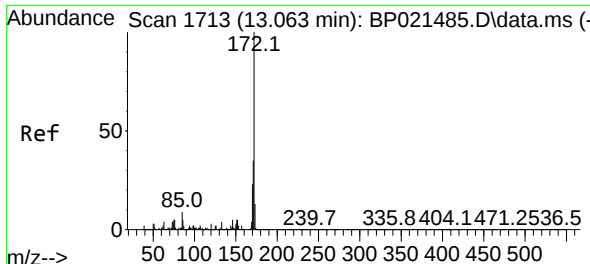
Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.0

141 30.5 24.5 36.7

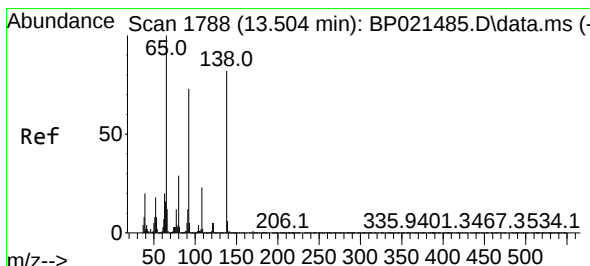
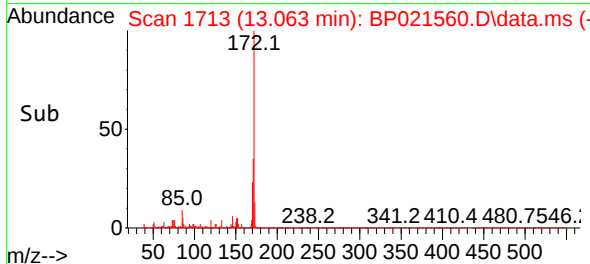
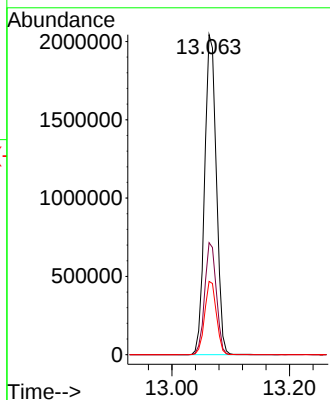
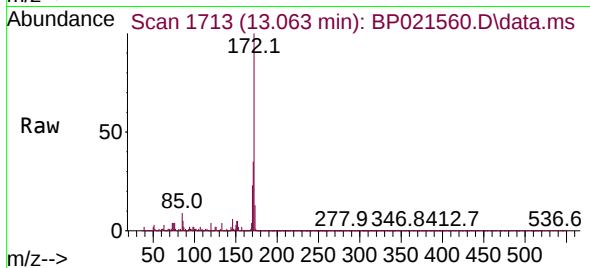




#45
2-Fluorobiphenyl
Concen: 42.410 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

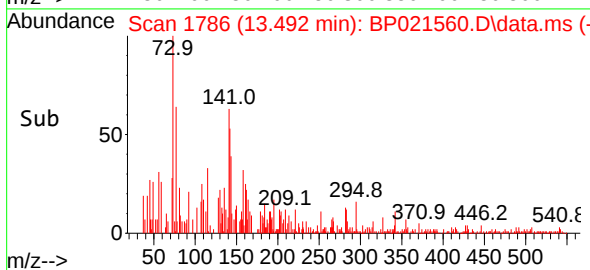
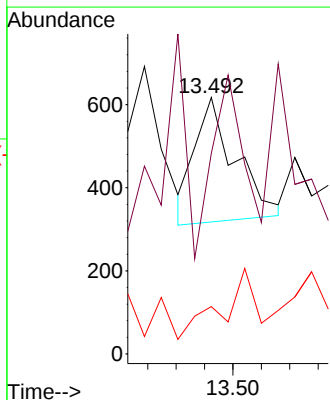
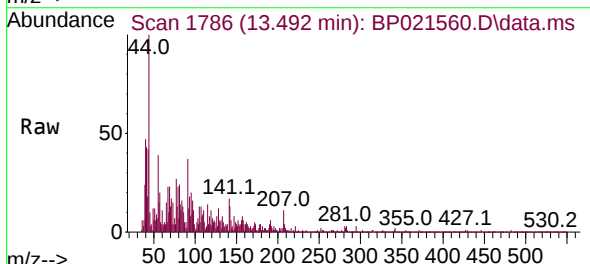
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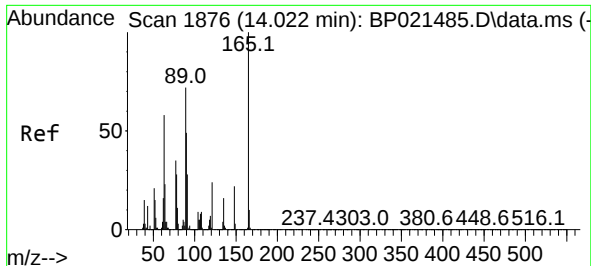
Tgt Ion:172 Resp: 2828601
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 22.9 18.4 27.6



#48
2-Nitroaniline
Concen: 5.164 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.012 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion: 65 Resp: 297
Ion Ratio Lower Upper
65 100
92 78.3 58.1 87.1
138 18.5 65.5 98.3#

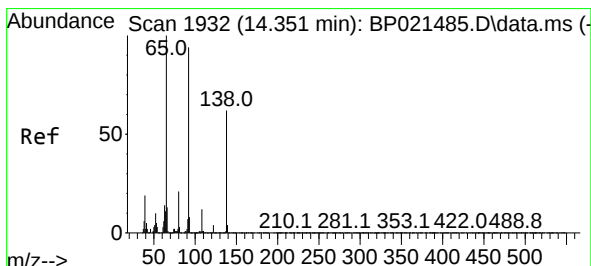
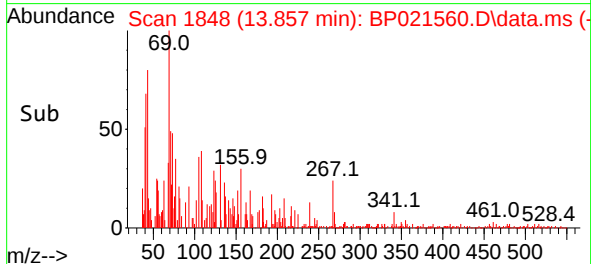
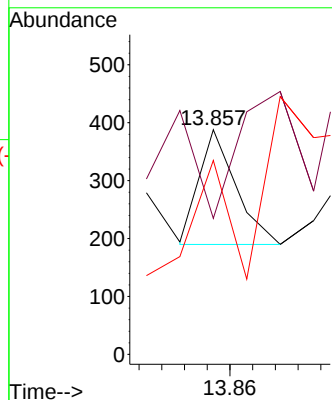
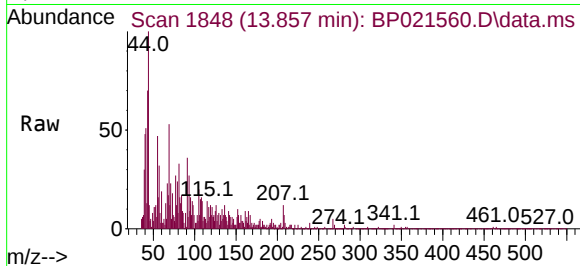




#51
2,6-Dinitrotoluene
Concen: 3.992 ng
RT: 13.857 min Scan# 1848
Delta R.T. -0.165 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

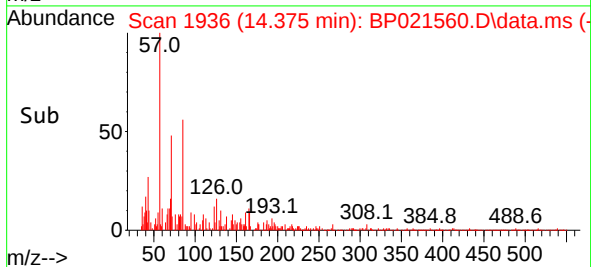
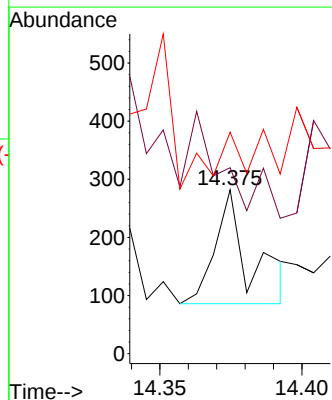
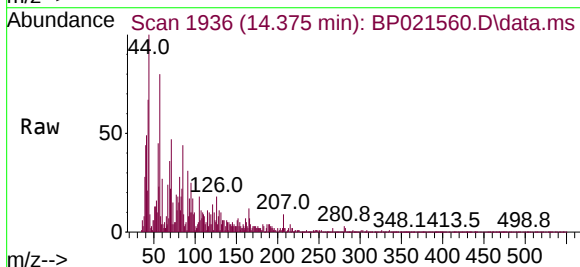
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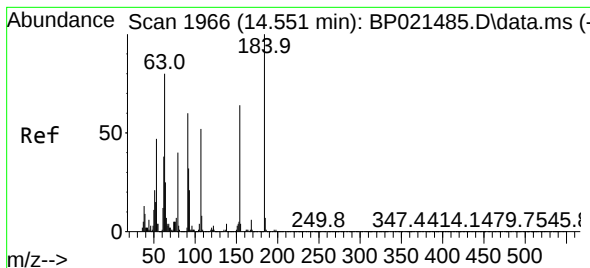
Tgt Ion:165 Resp: 89
Ion Ratio Lower Upper
165 100
63 60.6 51.5 77.3
89 86.3 57.8 86.8



#53
3-Nitroaniline
Concen: 3.981 ng
RT: 14.375 min Scan# 1936
Delta R.T. 0.024 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:138 Resp: 168
Ion Ratio Lower Upper
138 100
108 113.5 16.2 24.4#
92 135.1 122.2 183.4





#54

2,4-Dinitrophenol

Concen: 2.567 ng

RT: 14.569 min Scan# 1969

Delta R.T. 0.018 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

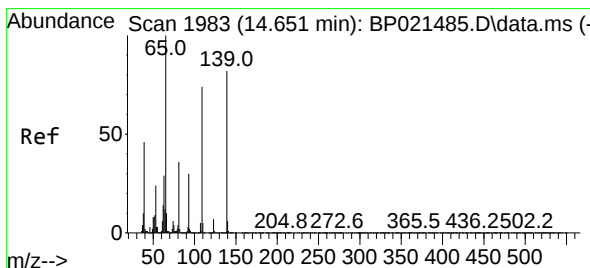
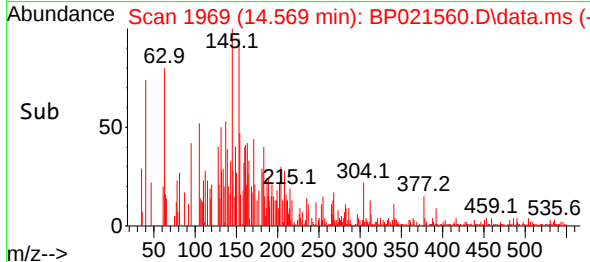
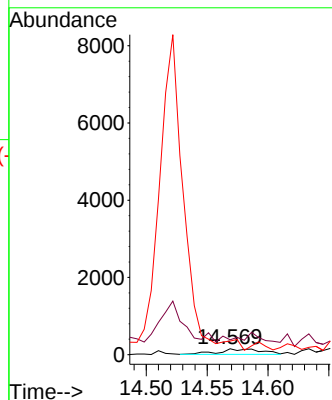
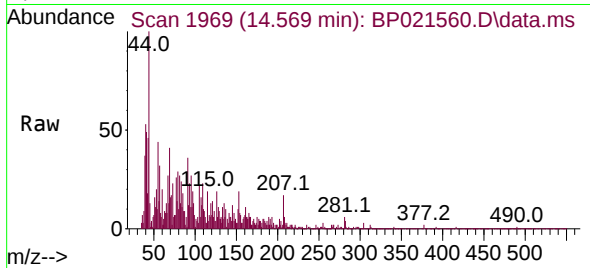
Tgt Ion:184 Resp: 345

Ion Ratio Lower Upper

184 100

63 251.6 64.9 97.3#

154 230.1 52.1 78.1#



#56

4-Nitrophenol

Concen: 5.170 ng

RT: 14.692 min Scan# 1990

Delta R.T. 0.041 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

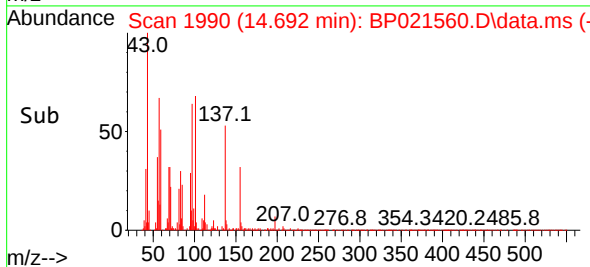
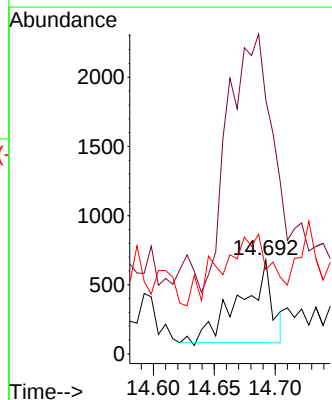
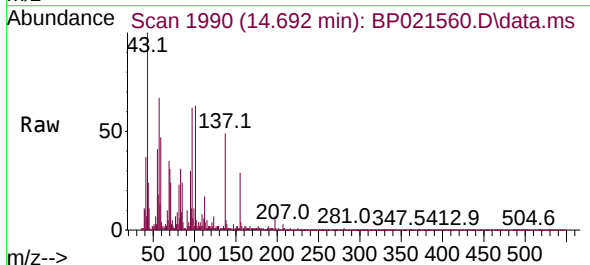
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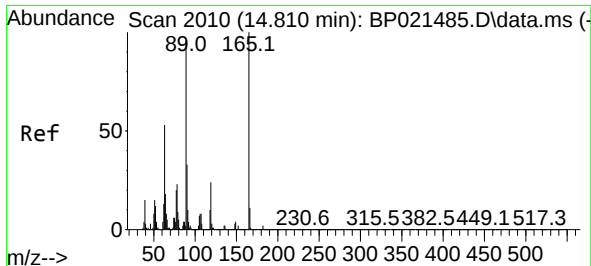
Ion Ratio Lower Upper

139 100

109 270.9 70.2 110.2#

65 90.1 101.8 141.8#

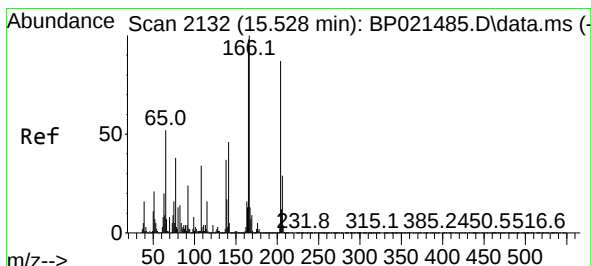
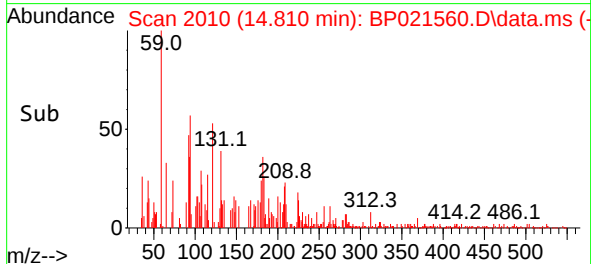
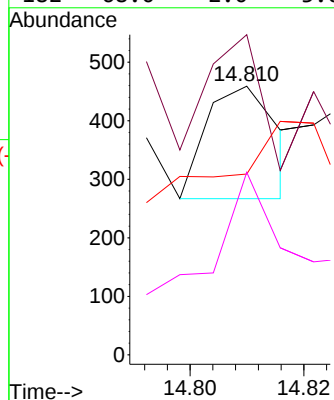
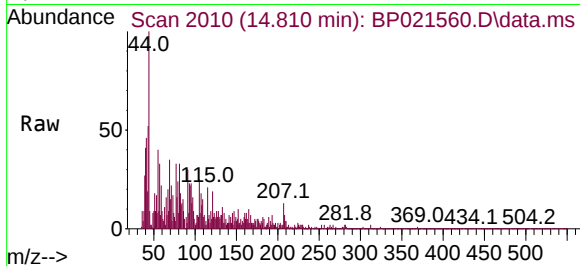




#57
2,4-Dinitrotoluene
Concen: 5.031 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

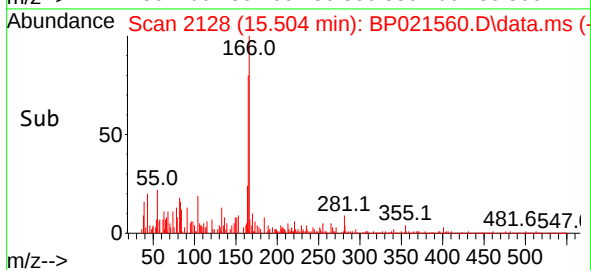
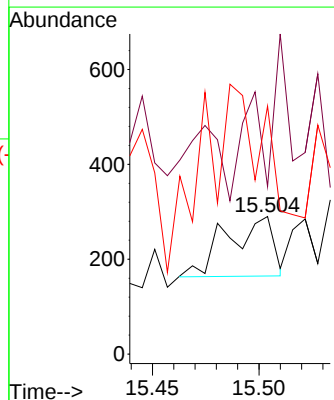
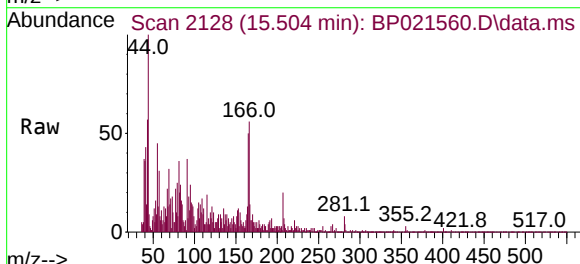
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

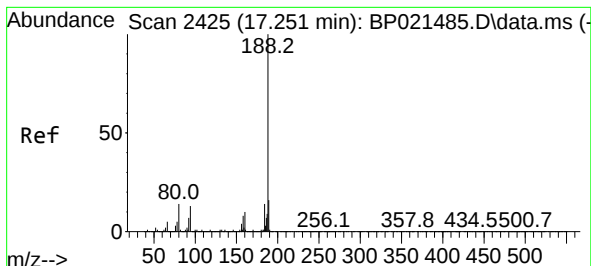
Tgt Ion:165 Resp: 167
Ion Ratio Lower Upper
165 100
63 119.2 42.5 63.7#
89 67.3 77.1 115.7#
182 68.0 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.947 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.024 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:138 Resp: 188
Ion Ratio Lower Upper
138 100
92 121.7 46.4 86.4#
108 180.3 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: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

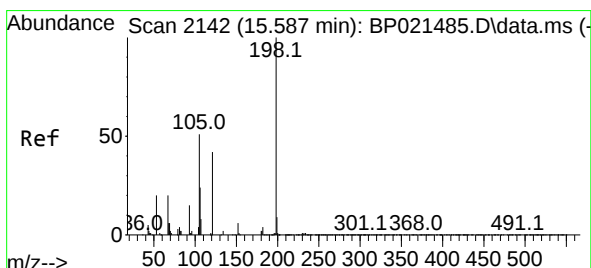
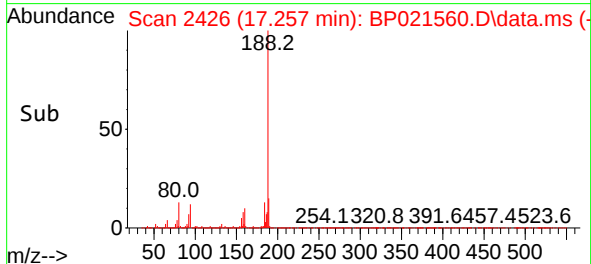
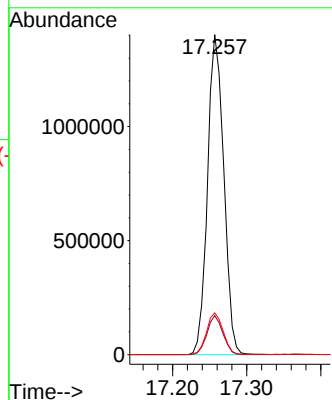
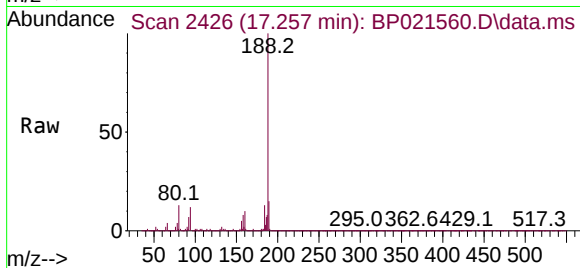
Tgt Ion:188 Resp: 2139035

Ion Ratio Lower Upper

188 100

94 12.2 10.2 15.4

80 13.1 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.635 ng

RT: 15.598 min Scan# 2144

Delta R.T. 0.011 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

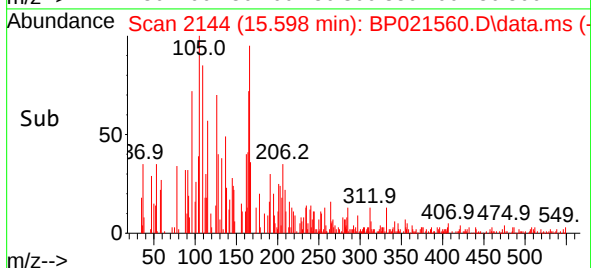
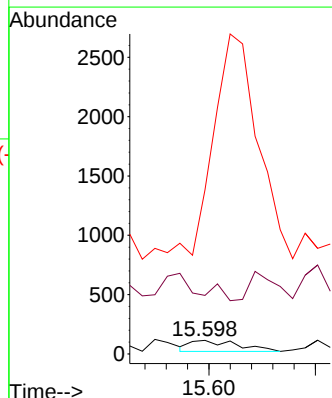
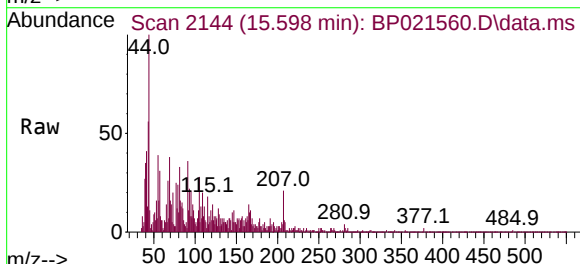
Tgt Ion:198 Resp: 145

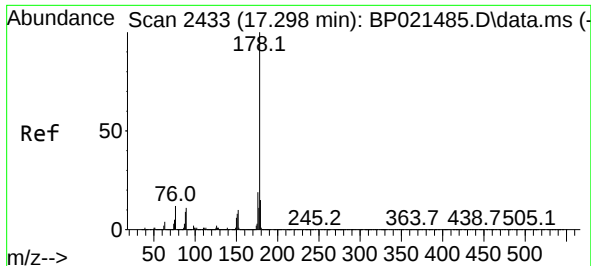
Ion Ratio Lower Upper

198 100

51 432.5 21.5 61.5#

105 1214.0 32.9 72.9#

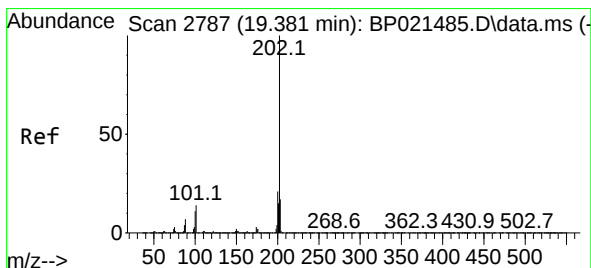
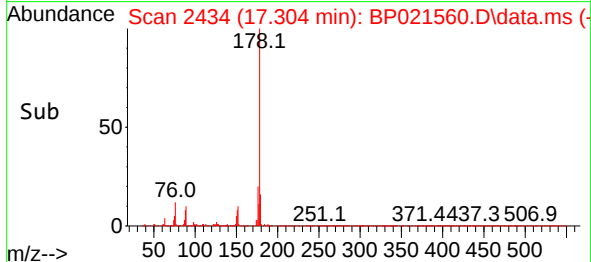
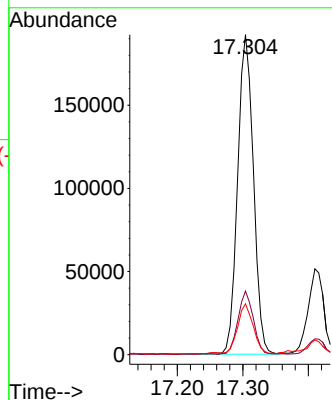
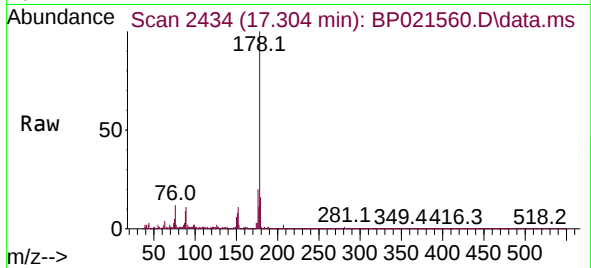




#71
Phenanthrene
Concen: 3.134 ng
RT: 17.304 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

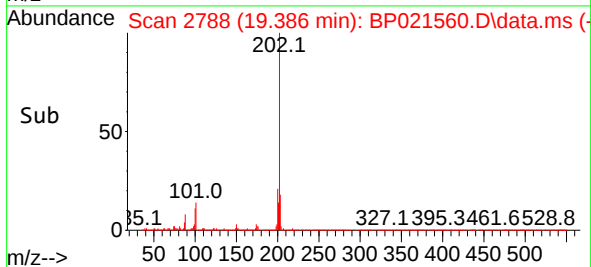
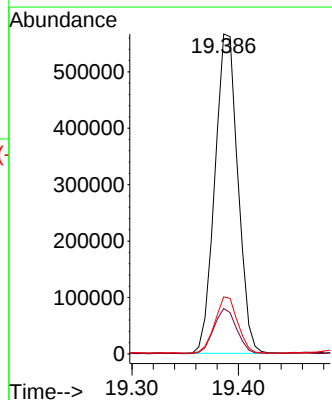
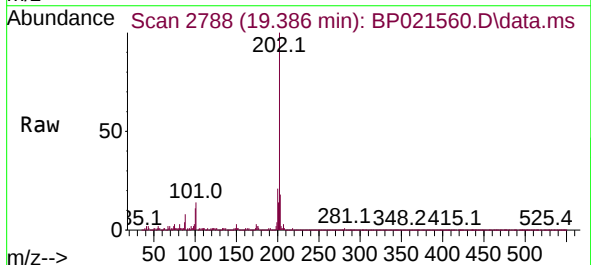
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

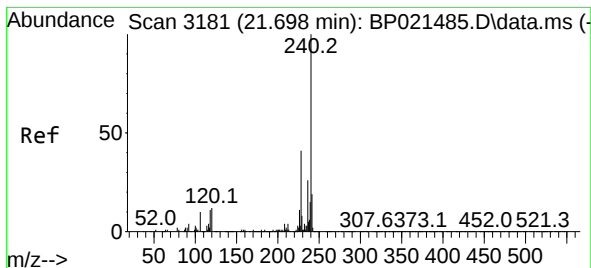
Tgt Ion:178 Resp: 322414
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.9 12.4 18.6



#75
Fluoranthene
Concen: 6.713 ng
RT: 19.386 min Scan# 2788
Delta R.T. 0.006 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:202 Resp: 847361
Ion Ratio Lower Upper
202 100
101 14.2 0.0 34.0
203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.727 min Scan# 3181

Delta R.T. 0.029 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

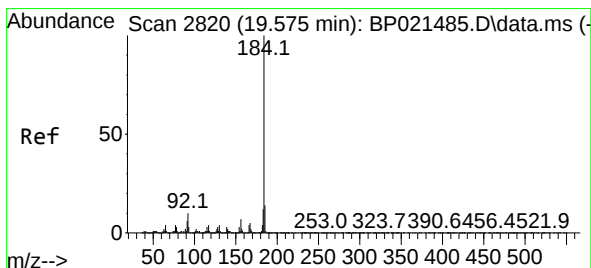
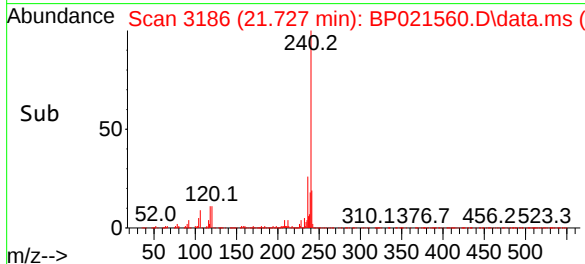
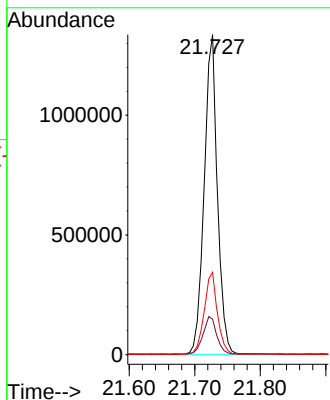
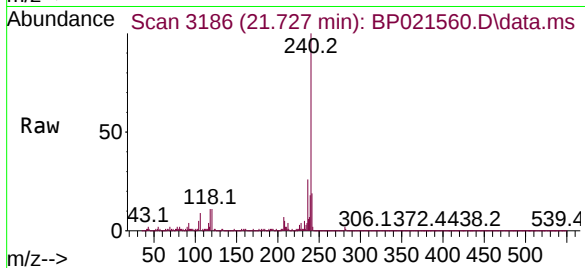
Tgt Ion:240 Resp: 1871324

Ion Ratio Lower Upper

240 100

120 11.1 9.9 14.9

236 25.8 20.6 30.8



#77

Benzidine

Concen: 4.642 ng

RT: 19.563 min Scan# 2818

Delta R.T. -0.012 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

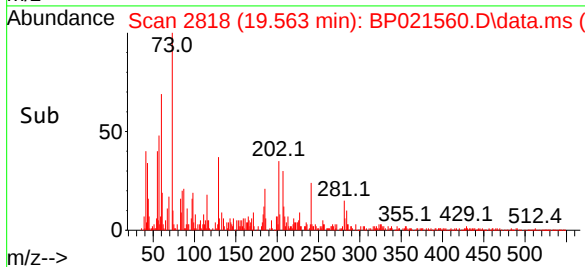
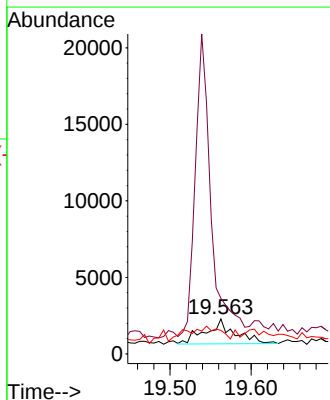
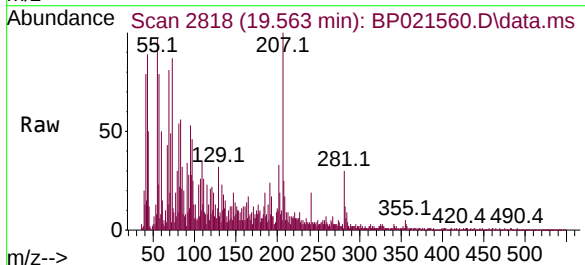
Tgt Ion:184 Resp: 4011

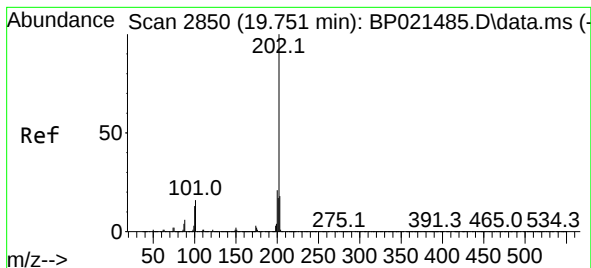
Ion Ratio Lower Upper

184 100

185 159.1 11.4 17.0#

183 67.1 9.3 13.9#





#78

Pyrene

Concen: 6.422 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.017 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

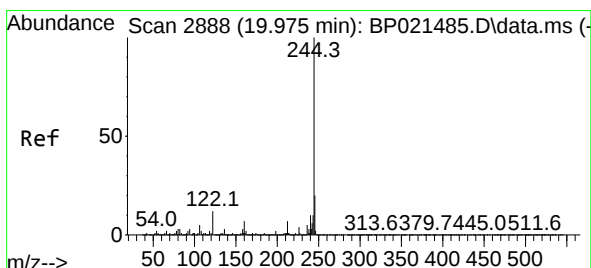
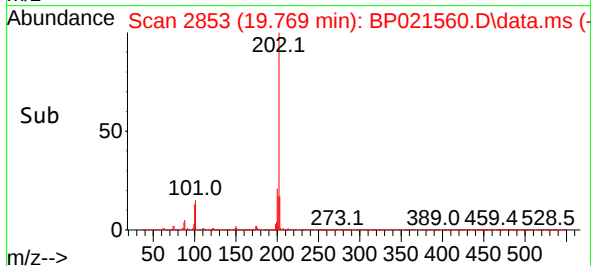
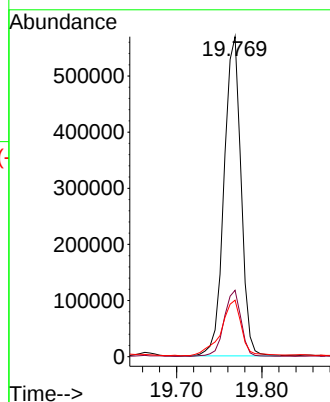
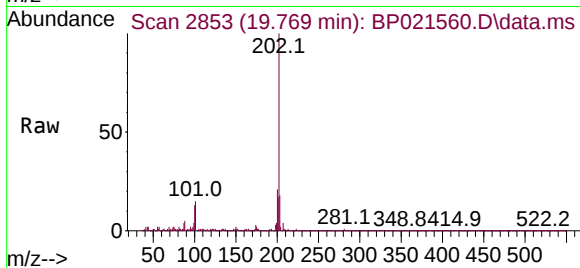
Tgt Ion:202 Resp: 785463

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 44.274 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.005 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

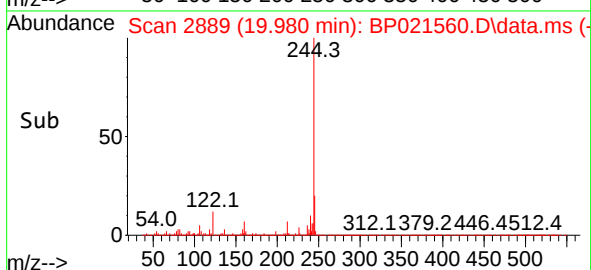
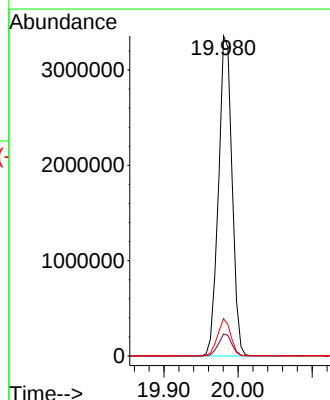
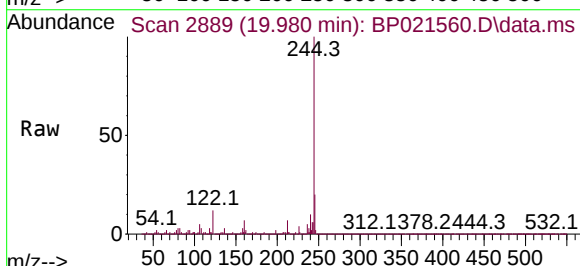
Tgt Ion:244 Resp: 4264666

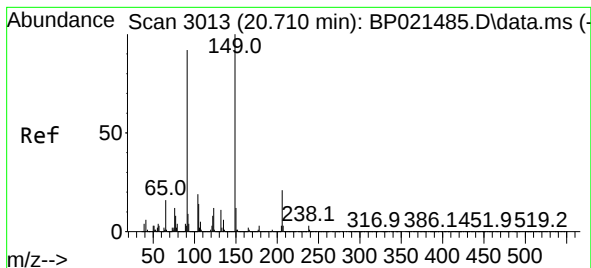
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 11.7 9.4 14.2





#80

Butylbenzylphthalate

Concen: 3.778 ng

RT: 20.721 min Scan# 3013

Delta R.T. 0.011 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

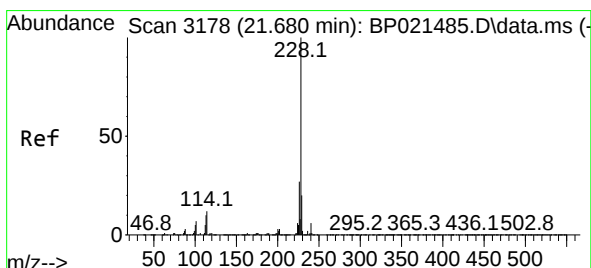
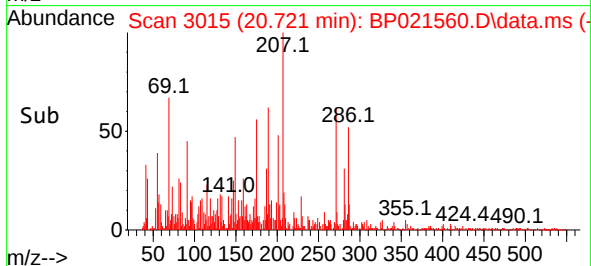
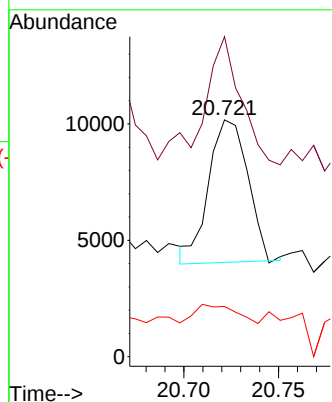
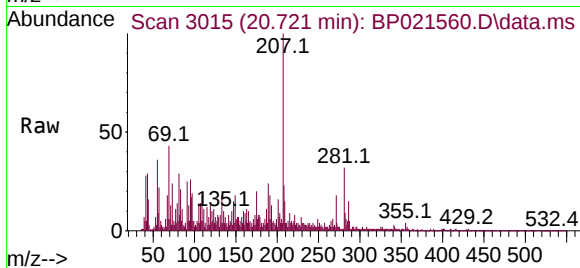
Tgt Ion:149 Resp: 8822

Ion Ratio Lower Upper

149 100

91 135.1 73.3 109.9#

206 21.3 17.1 25.7



#81

Benzo(a)anthracene

Concen: 3.428 ng

RT: 21.704 min Scan# 3182

Delta R.T. 0.023 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

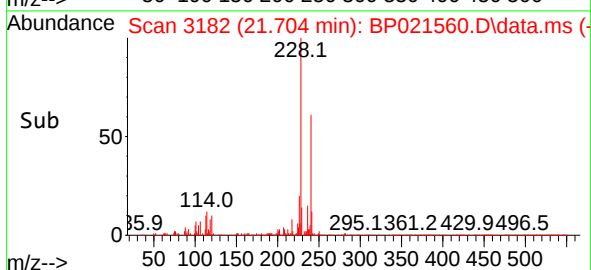
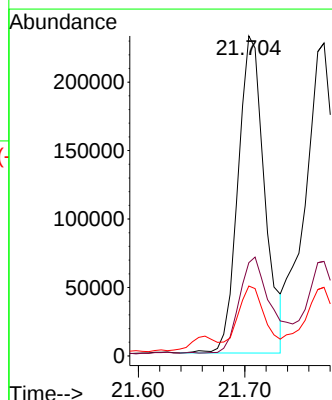
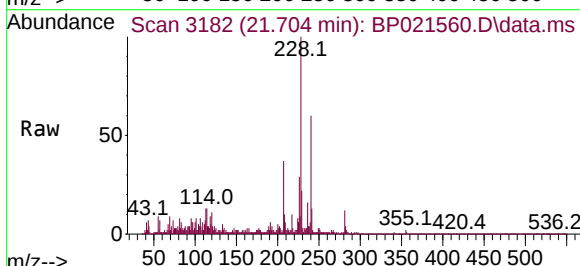
Tgt Ion:228 Resp: 402665

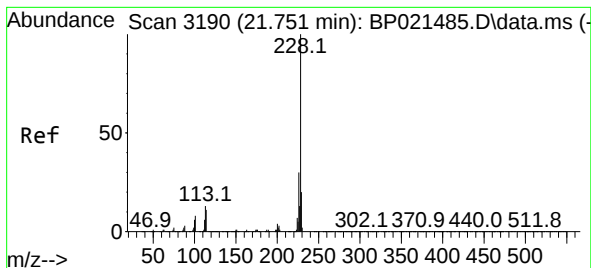
Ion Ratio Lower Upper

228 100

226 29.2 21.4 32.2

229 21.9 15.8 23.6





#83

Chrysene

Concen: 3.938 ng

RT: 21.774 min Scan# 3190

Delta R.T. 0.023 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

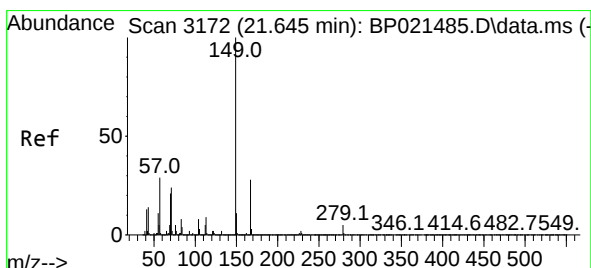
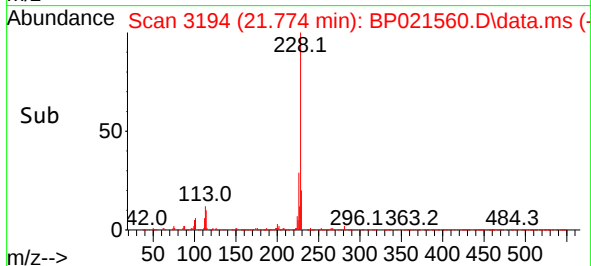
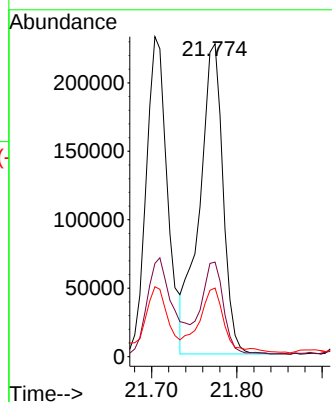
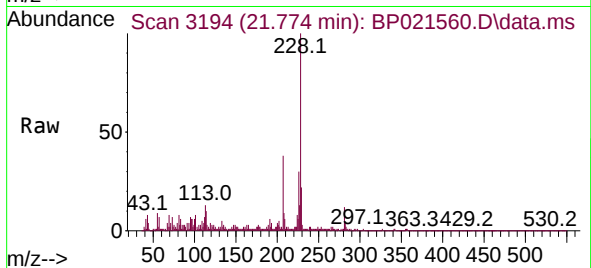
Tgt Ion:228 Resp: 436764

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

229 21.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.769 ng

RT: 21.657 min Scan# 3174

Delta R.T. 0.012 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

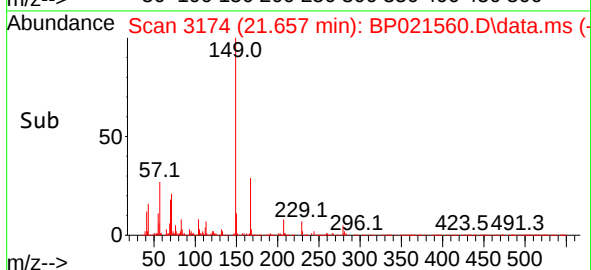
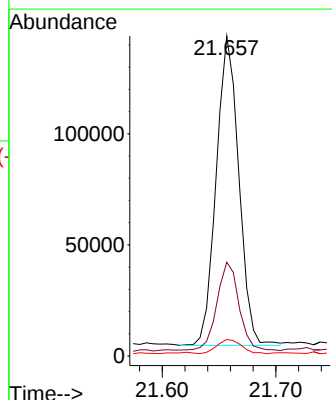
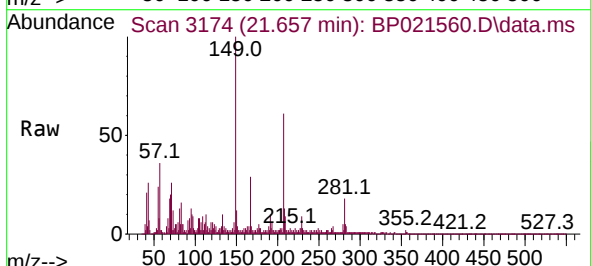
Tgt Ion:149 Resp: 192269

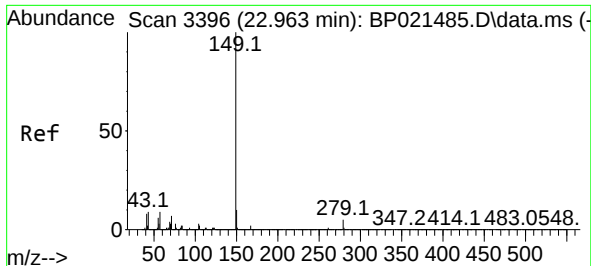
Ion Ratio Lower Upper

149 100

167 29.3 22.3 33.5

279 5.2 3.8 5.6

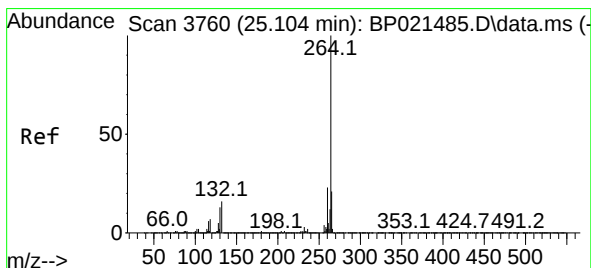
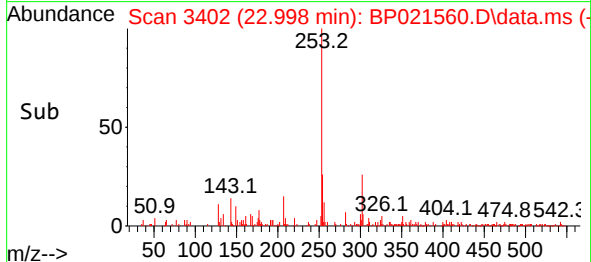
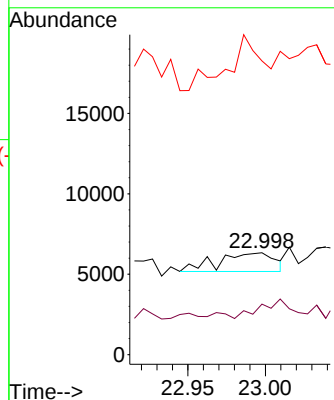
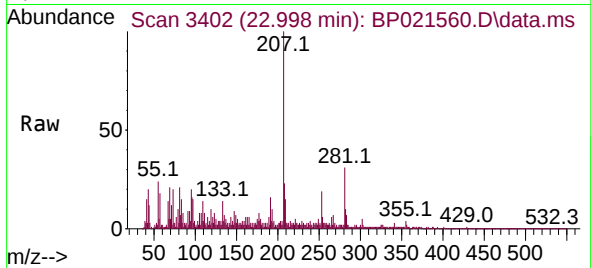




#85
Di-n-octyl phthalate
Concen: 4.858 ng
RT: 22.998 min Scan# 3402
Delta R.T. 0.035 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

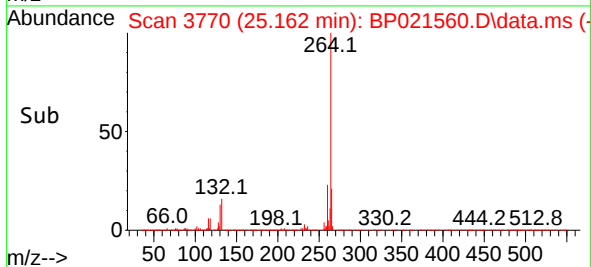
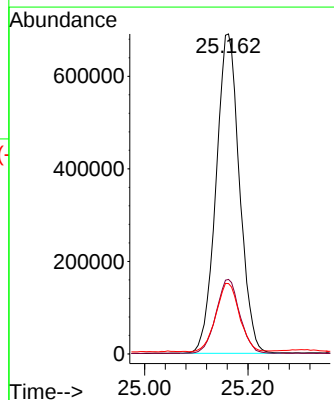
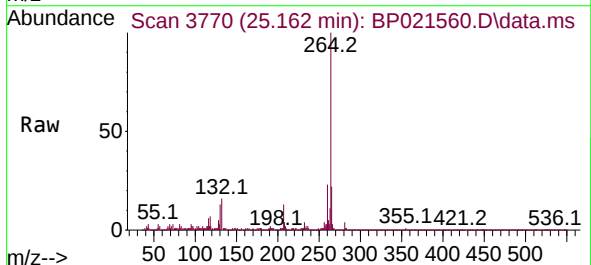
Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

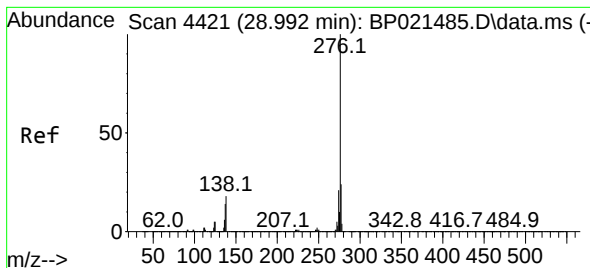
Tgt Ion:149 Resp: 2945
Ion Ratio Lower Upper
149 100
167 57.1 1.3 1.9#
43 0.0 7.3 10.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.162 min Scan# 3770
Delta R.T. 0.059 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Tgt Ion:264 Resp: 2176723
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 22.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.704 ng

RT: 29.068 min Scan# 4421

Delta R.T. 0.076 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

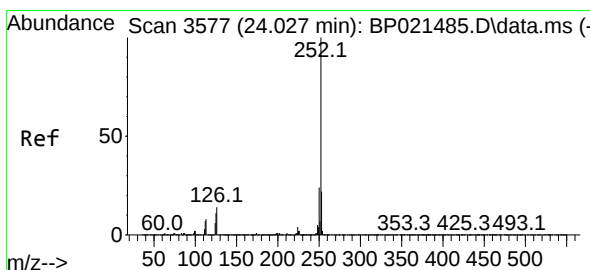
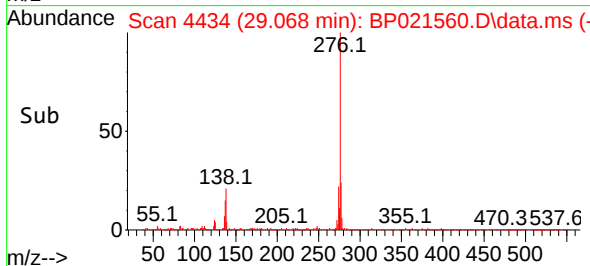
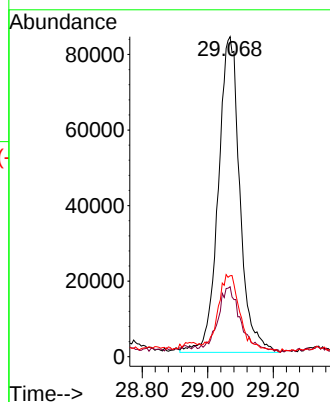
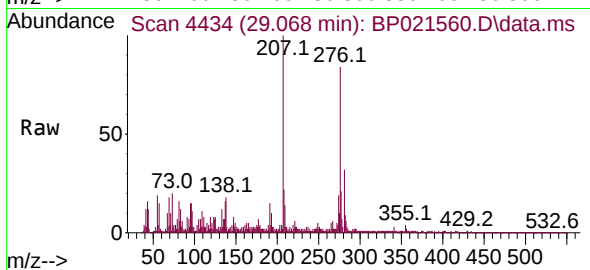
Tgt Ion:276 Resp: 381520

Ion Ratio Lower Upper

276 100

138 22.4 12.8 19.2#

277 25.7 16.5 24.7#



#88

Benzo(b)fluoranthene

Concen: 5.491 ng

RT: 24.080 min Scan# 3586

Delta R.T. 0.053 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

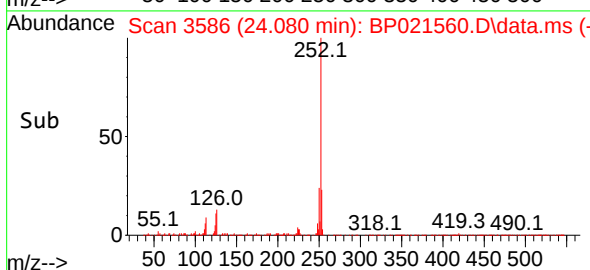
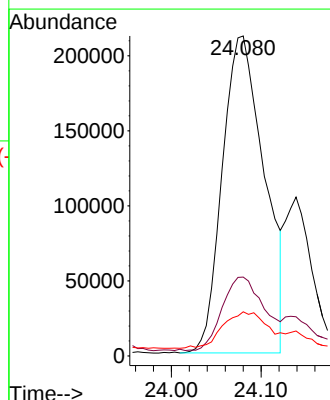
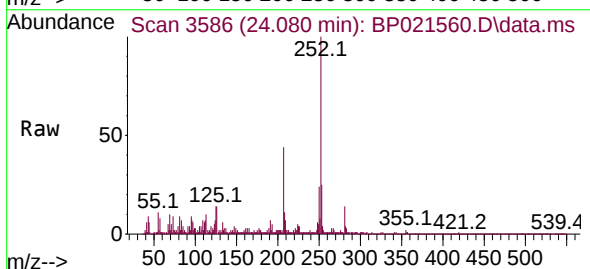
Tgt Ion:252 Resp: 686462

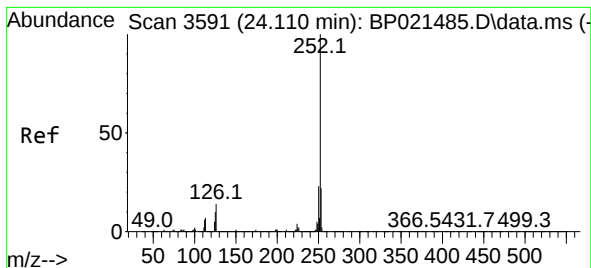
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 13.8 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 5.629 ng

RT: 24.080 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

Instrument :

BNA_P

ClientSampleId :

OU4-TS-13-080724

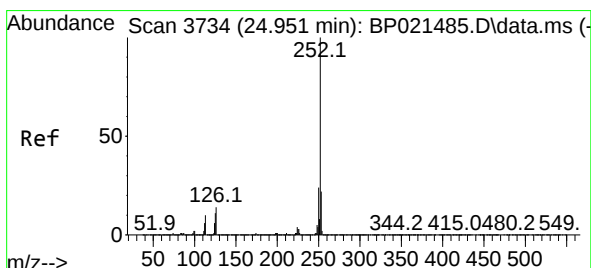
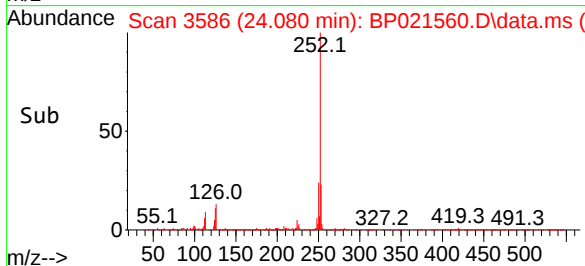
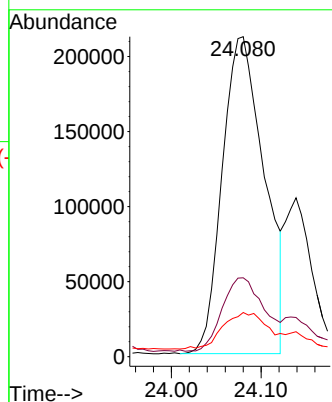
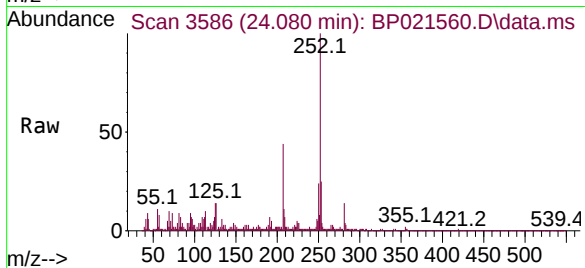
Tgt Ion:252 Resp: 686462

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 13.8 7.8 11.8#



#90

Benzo(a)pyrene

Concen: 4.206 ng

RT: 24.986 min Scan# 3740

Delta R.T. 0.035 min

Lab File: BP021560.D

Acq: 19 Aug 2024 19:37

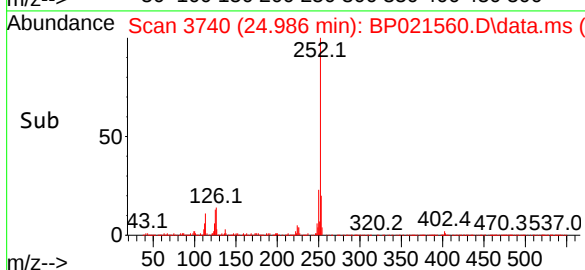
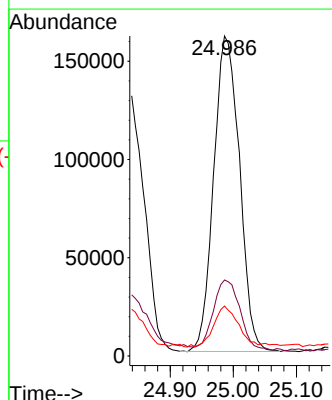
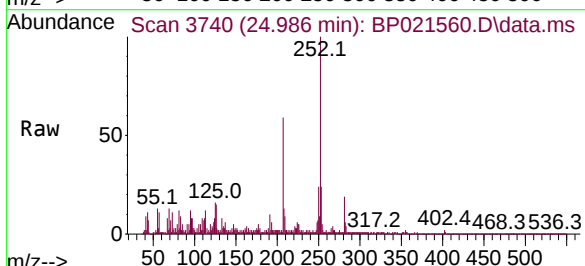
Tgt Ion:252 Resp: 456291

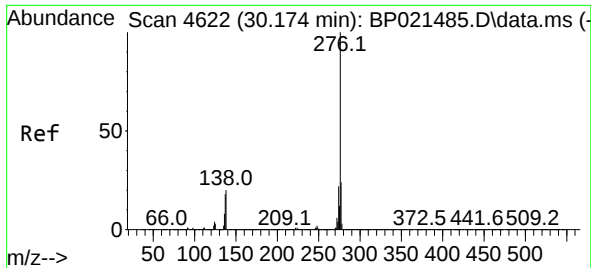
Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 15.6 8.7 13.1#





#92
Benzo(g,h,i)perylene
Concen: 3.278 ng
RT: 30.286 min Scan# 4
Delta R.T. 0.112 min
Lab File: BP021560.D
Acq: 19 Aug 2024 19:37

Instrument :
BNA_P
ClientSampleId :
OU4-TS-13-080724

Tgt Ion:	276	Resp:	385148
Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.0	28.6
138	22.2	16.0	24.0

