

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
 Data File : BP021556.D
 Acq On : 19 Aug 2024 16:43
 Operator : RC/JU
 Sample : P3518-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-08-080724

Quant Time: Aug 19 17:11:38 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)

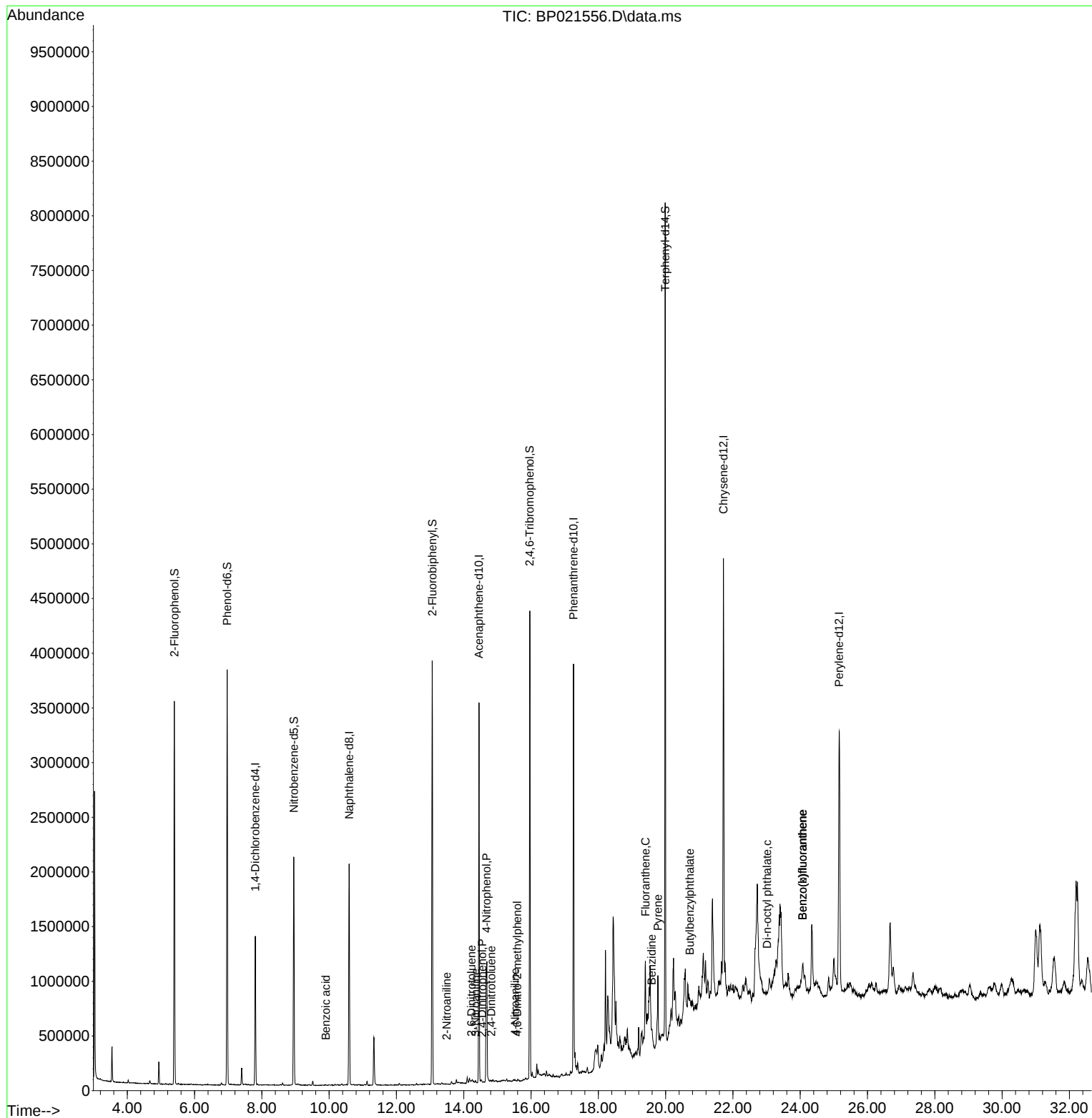
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	372995	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1605081	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1084749	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2315035	20.000	ng	0.01
76) Chrysene-d12	21.716	240	2104646	20.000	ng	0.02
86) Perylene-d12	25.157	264	2446205	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1644036	65.448	ng	0.00
7) Phenol-d6	6.969	99	2432126	66.372	ng	0.00
23) Nitrobenzene-d5	8.952	82	1365834	43.921	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	869203	71.997	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2137492	30.073	ng	0.00
79) Terphenyl-d14	19.986	244	3652068	33.711	ng	0.01
Target Compounds						
					Qvalue	
26) 2-Nitrophenol	9.687	139	38	Below Cal	#	1
32) Benzoic acid	9.899	122	66	3.327 ng	#	1
48) 2-Nitroaniline	13.493	65	111	5.153 ng	#	52
51) 2,6-Dinitrotoluene	14.228	165	270	4.002 ng		94
53) 3-Nitroaniline	14.351	138	182	3.981 ng	#	1
54) 2,4-Dinitrophenol	14.551	184	125	2.477 ng	#	1
56) 4-Nitrophenol	14.675	139	2873	5.302 ng	#	1
57) 2,4-Dinitrotoluene	14.816	165	91	5.027 ng	#	76
62) 4-Nitroaniline	15.522	138	259	2.951 ng	#	13
65) 4,6-Dinitro-2-methylph...	15.587	198	78	4.621 ng	#	1
75) Fluoranthene	19.398	202	368719	2.699 ng		99
77) Benzidine	19.586	184	429	4.579 ng	#	1
78) Pyrene	19.769	202	325477	2.366 ng		100
80) Butylbenzylphthalate	20.722	149	5398	3.698 ng	#	48
85) Di-n-octyl phthalate	23.016	149	1568	4.846 ng	#	67
88) Benzo(b)fluoranthene	24.069	252	300432	2.138 ng	#	94
89) Benzo(k)fluoranthene	24.069	252	300432	2.192 ng	#	93

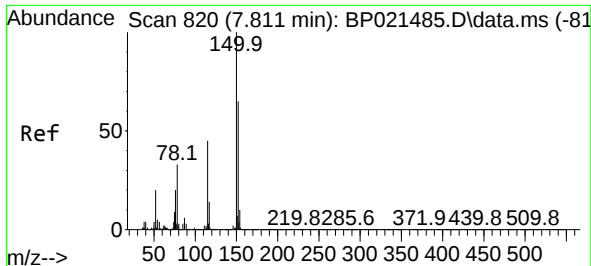
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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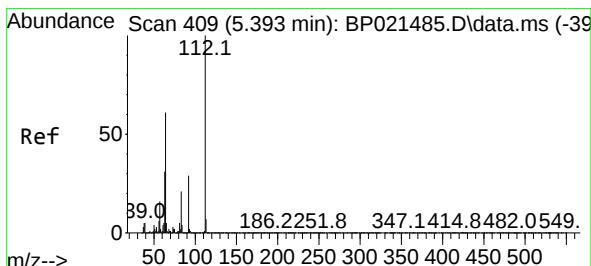
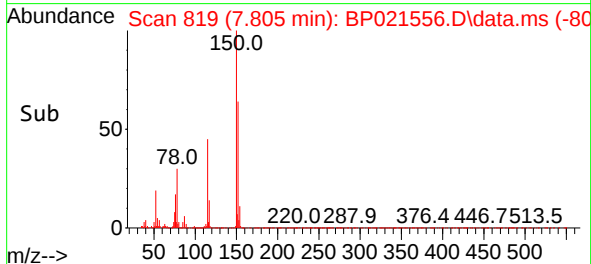
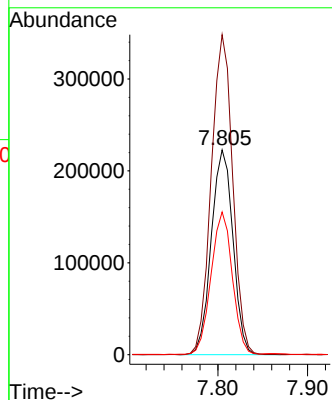
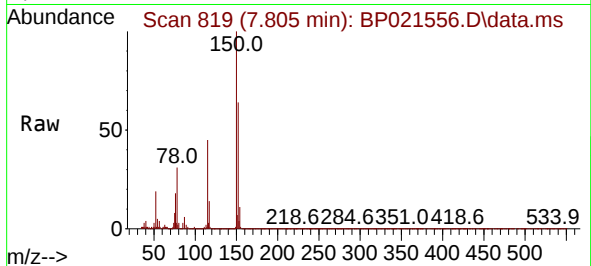




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

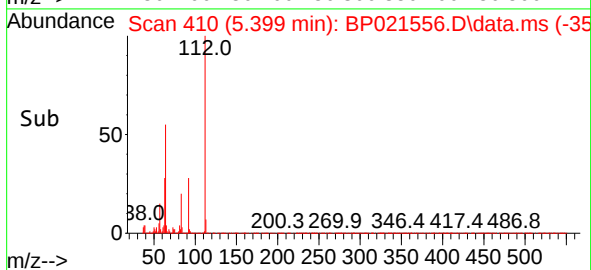
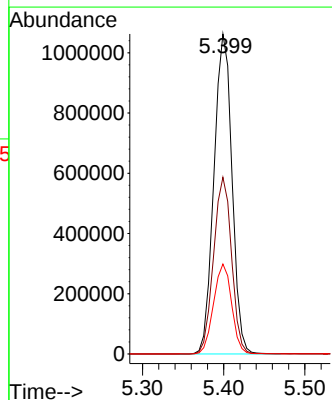
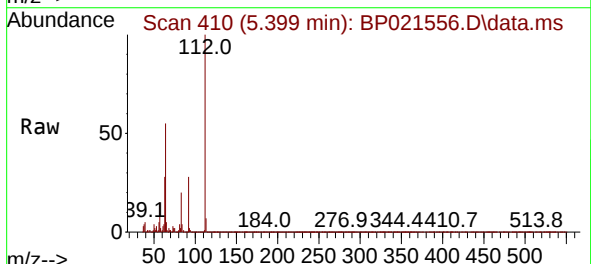
Instrument :
BNA_P
ClientSampleId :
OU4-TS-08-080724

Tgt Ion:152 Resp: 372995
Ion Ratio Lower Upper
152 100
150 156.2 122.4 183.6
115 69.7 54.7 82.1



#5
2-Fluorophenol
Concen: 65.448 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Tgt Ion:112 Resp: 1644036
Ion Ratio Lower Upper
112 100
64 55.2 49.0 73.6
63 28.1 24.6 36.8

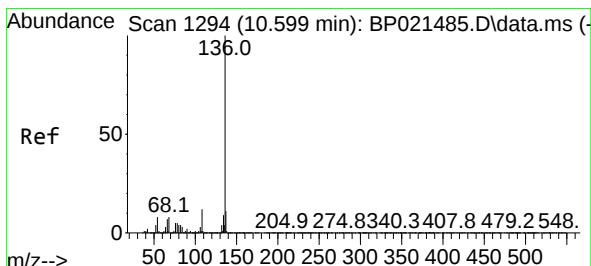
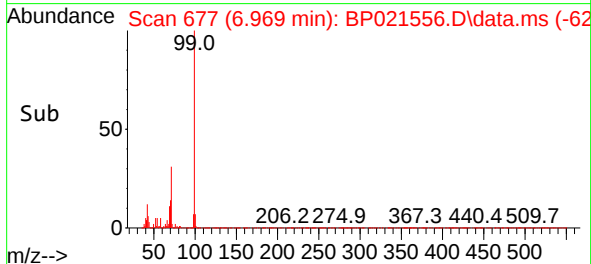
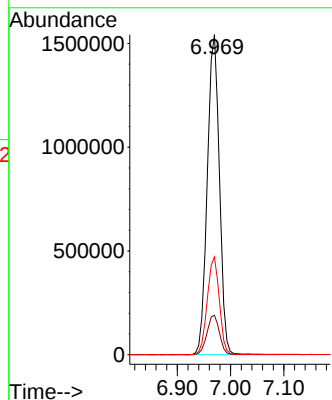
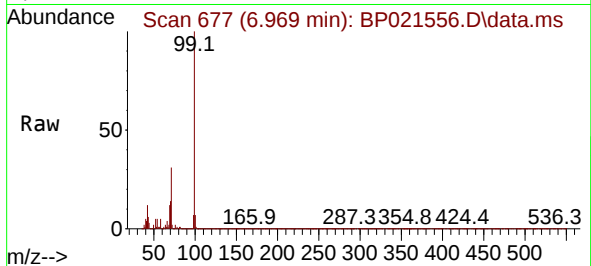




#7
Phenol-d6
Concen: 66.372 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

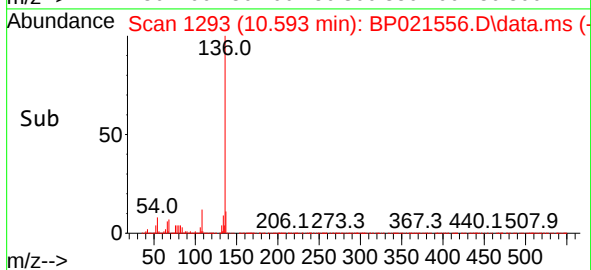
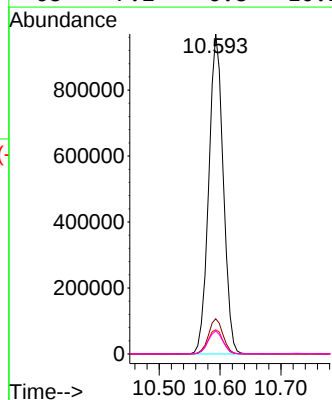
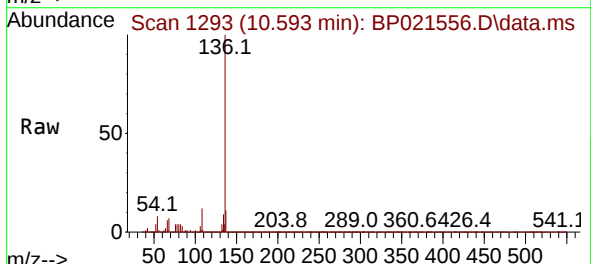
Instrument :
BNA_P
ClientSampleId :
OU4-TS-08-080724

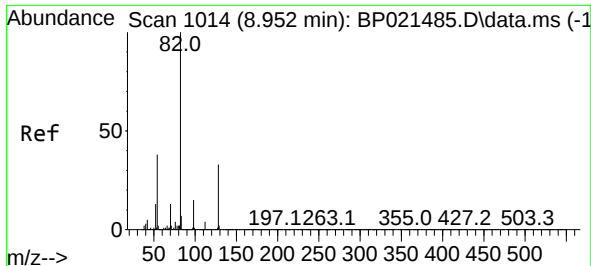
Tgt Ion: 99 Resp: 2432126
Ion Ratio Lower Upper
99 100
42 12.3 10.2 15.4
71 30.5 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Tgt Ion:136 Resp: 1605081
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.6 6.3 9.5
68 7.2 6.8 10.2

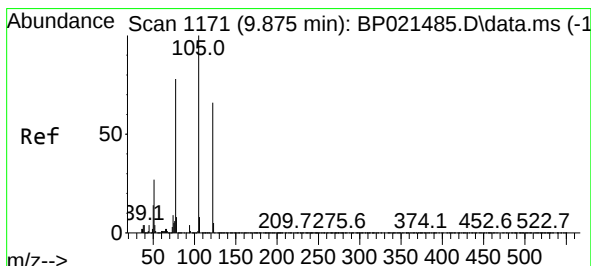
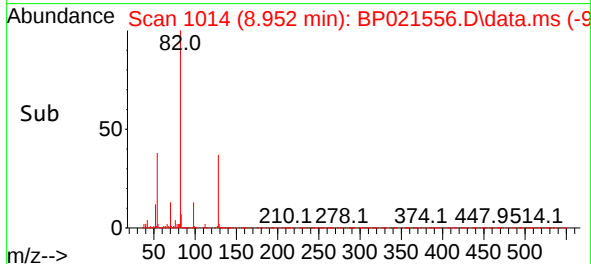
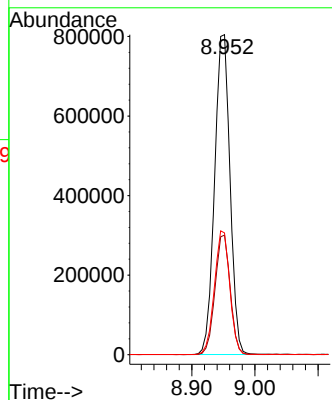
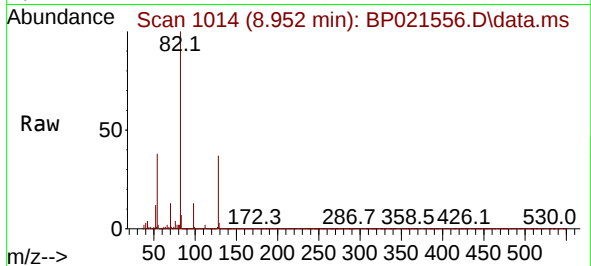




#23
Nitrobenzene-d5
Concen: 43.921 ng
RT: 8.952 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

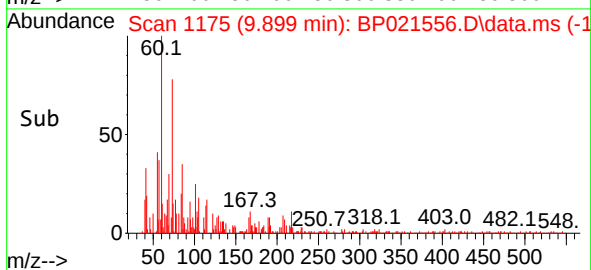
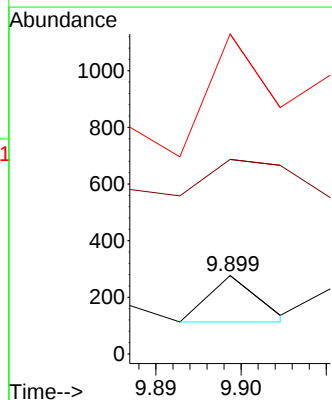
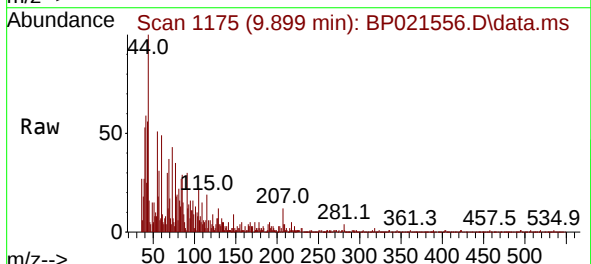
Instrument :
BNA_P
ClientSampleId :
OU4-TS-08-080724

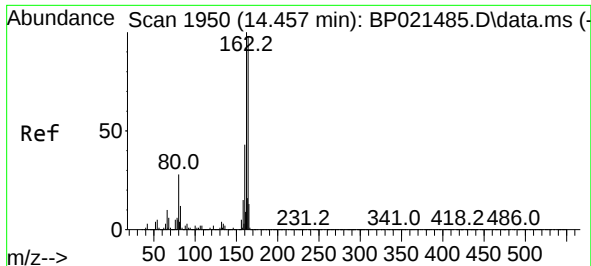
Tgt Ion: 82 Resp: 1365834
Ion Ratio Lower Upper
82 100
128 37.4 26.5 39.7
54 38.1 30.3 45.5



#32
Benzoic acid
Concen: 3.327 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 248.0 124.6 164.6#
77 407.9 96.2 136.2#

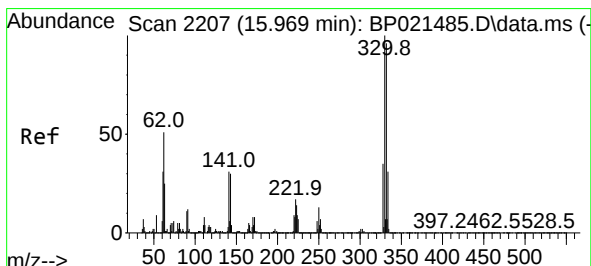
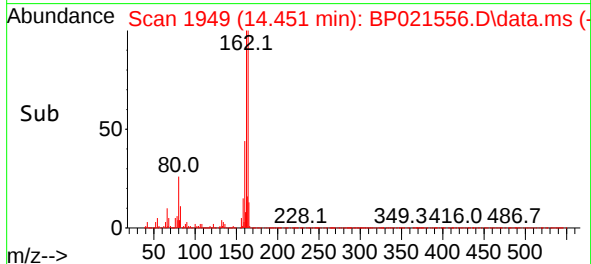
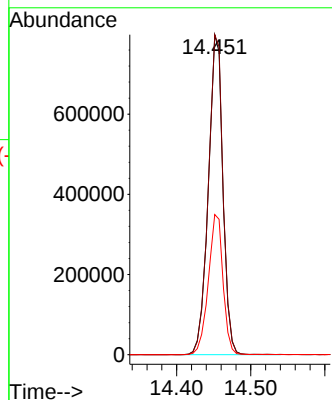
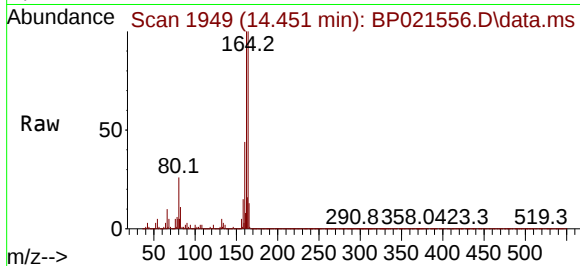




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

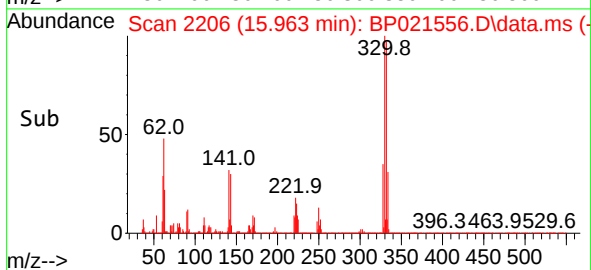
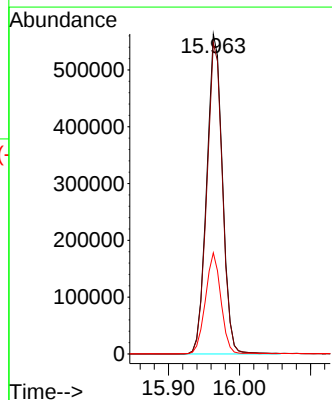
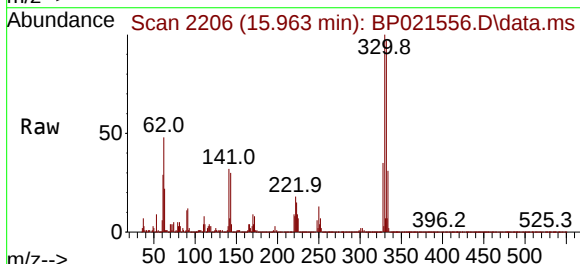
Instrument :
BNA_P
ClientSampleId :
OU4-TS-08-080724

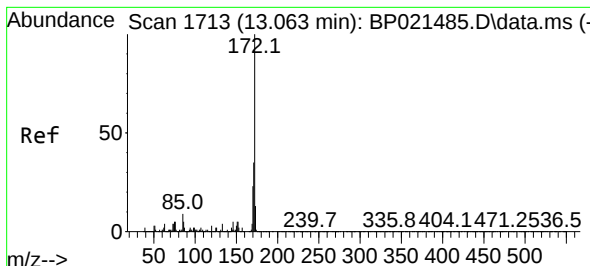
Tgt Ion:164 Resp: 1084749
Ion Ratio Lower Upper
164 100
162 100.1 81.5 122.3
160 43.8 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 71.997 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Tgt Ion:330 Resp: 869203
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 31.0 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 30.073 ng

RT: 13.063 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

Instrument :

BNA_P

ClientSampleId :

OU4-TS-08-080724

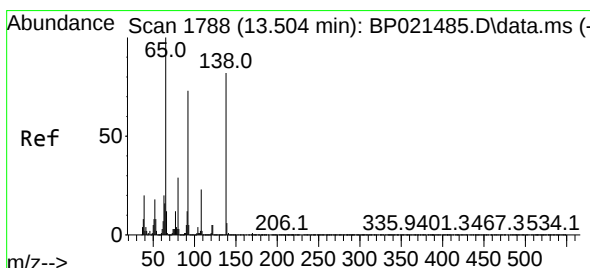
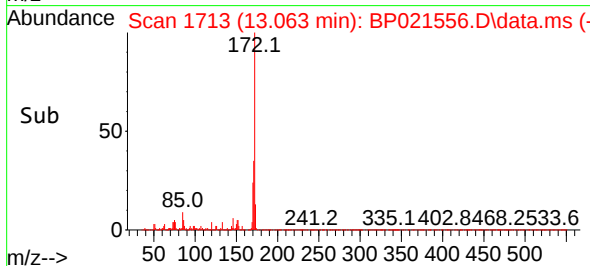
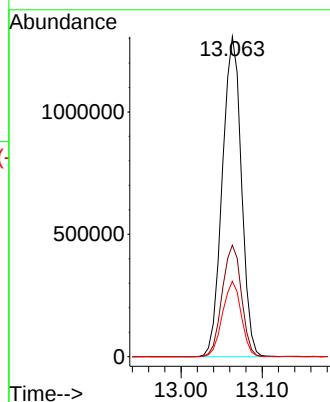
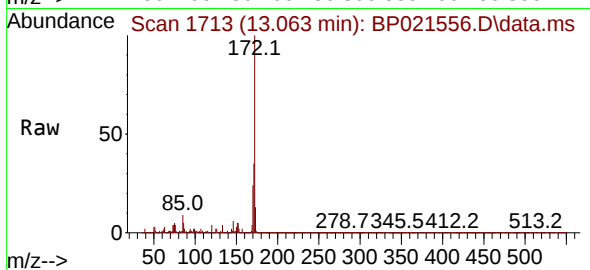
Tgt Ion:172 Resp: 2137492

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.5 18.4 27.6



#48

2-Nitroaniline

Concen: 5.153 ng

RT: 13.493 min Scan# 1786

Delta R.T. -0.011 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

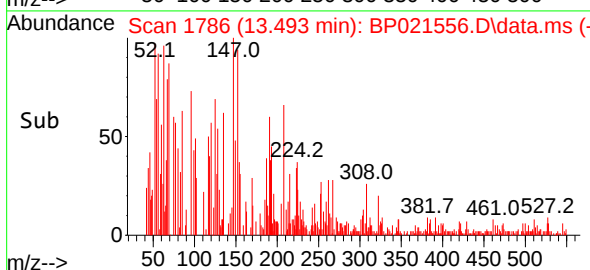
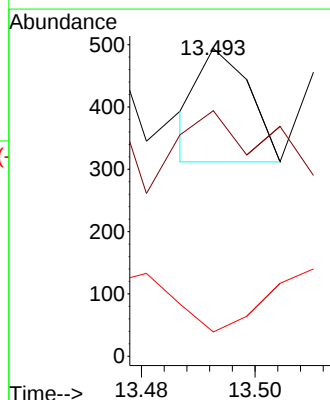
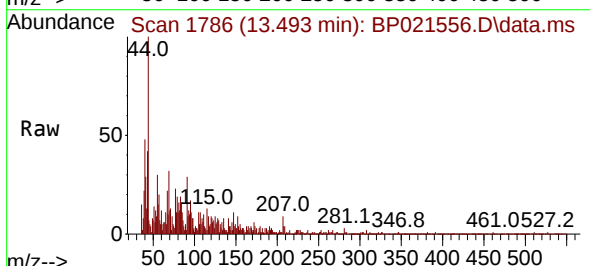
Tgt Ion: 65 Resp: 111

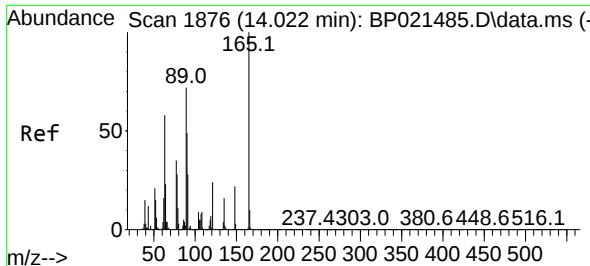
Ion Ratio Lower Upper

65 100

92 79.8 58.1 87.1

138 7.9 65.5 98.3#

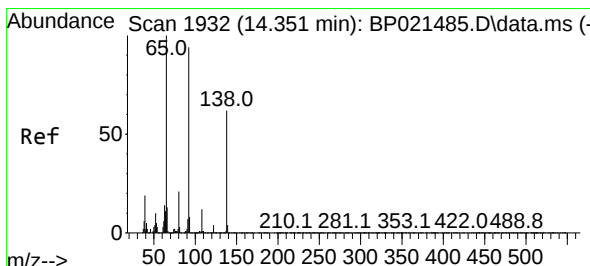
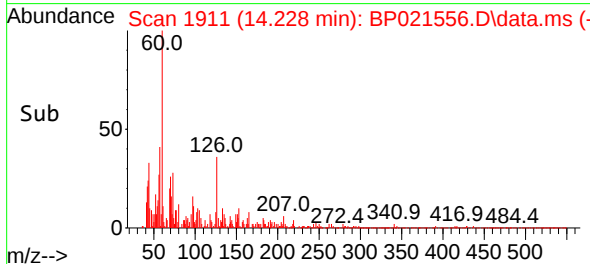
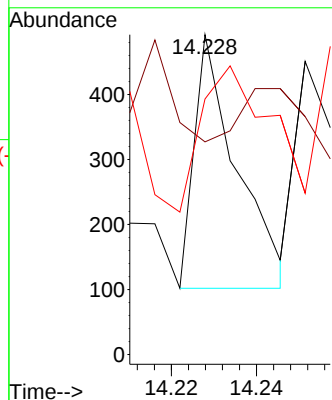
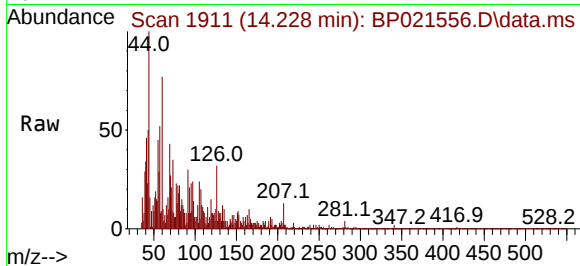




#51
2,6-Dinitrotoluene
Concen: 4.002 ng
RT: 14.228 min Scan# 1911
Delta R.T. 0.206 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

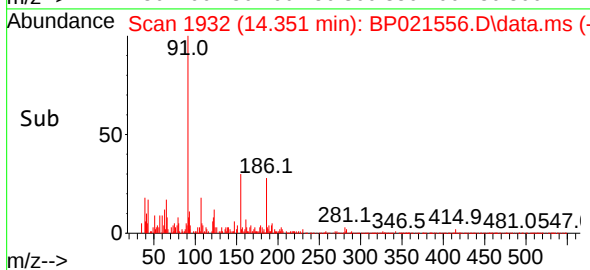
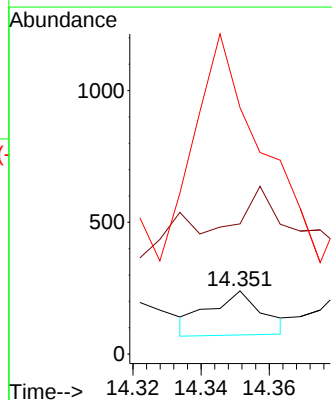
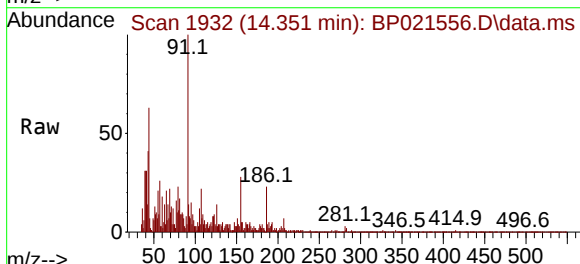
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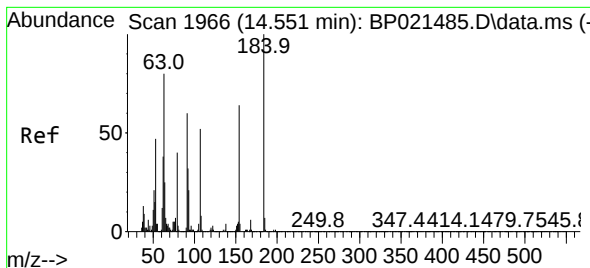
Tgt Ion:165 Resp: 270
Ion Ratio Lower Upper
165 100
63 66.5 51.5 77.3
89 79.9 57.8 86.8



#53
3-Nitroaniline
Concen: 3.981 ng
RT: 14.351 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Tgt Ion:138 Resp: 182
Ion Ratio Lower Upper
138 100
108 205.8 16.2 24.4#
92 389.6 122.2 183.4#

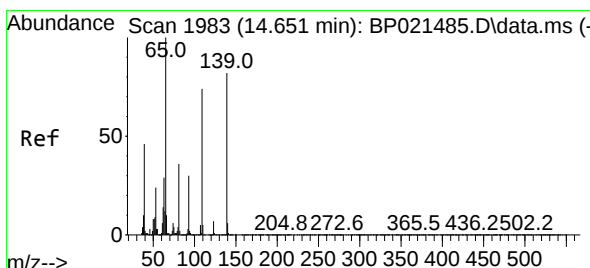
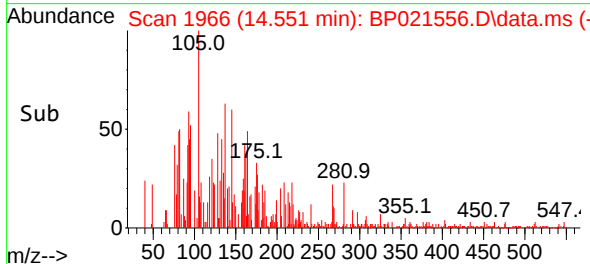
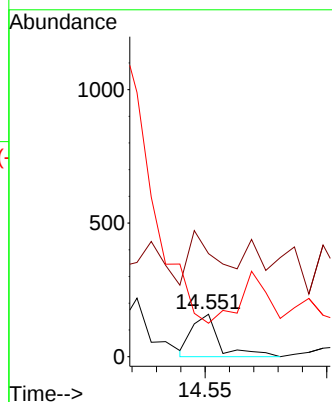
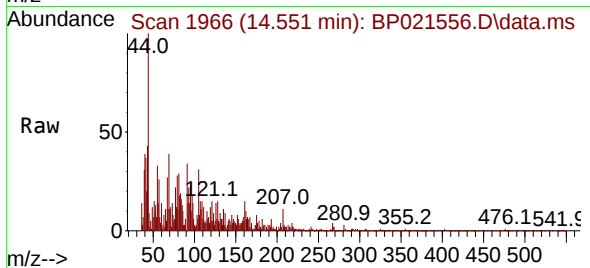




#54
2,4-Dinitrophenol
Concen: 2.477 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

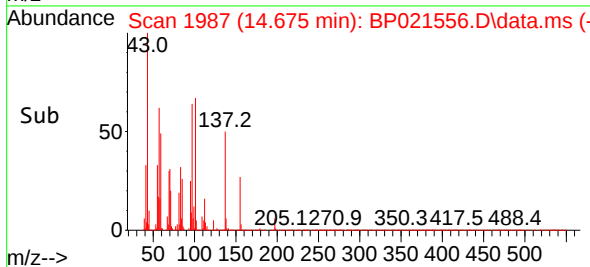
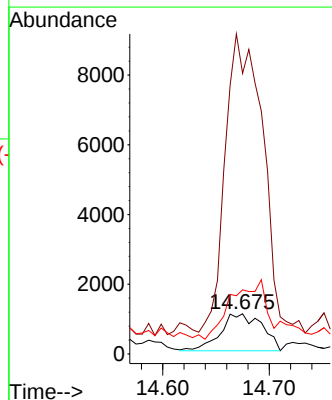
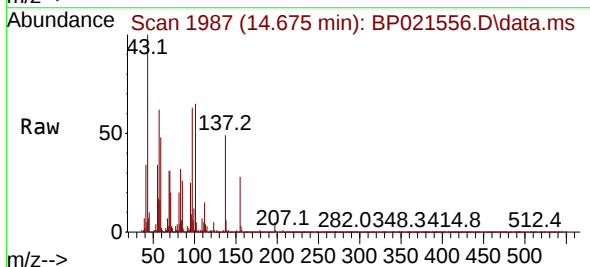
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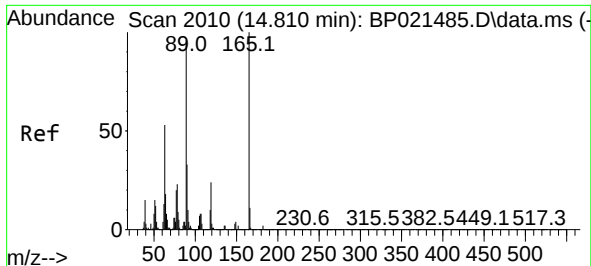
Tgt Ion:184 Resp: 125
Ion Ratio Lower Upper
184 100
63 242.8 64.9 97.3#
154 78.6 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.302 ng
RT: 14.675 min Scan# 1987
Delta R.T. 0.024 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Tgt Ion:139 Resp: 2873
Ion Ratio Lower Upper
139 100
109 698.1 70.2 110.2#
65 159.5 101.8 141.8#

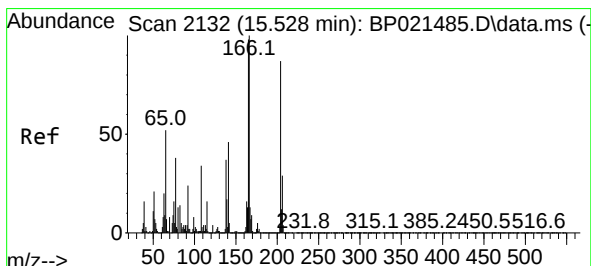
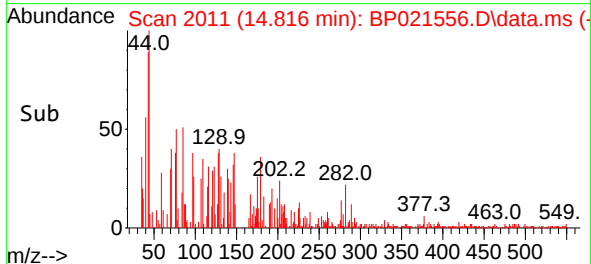
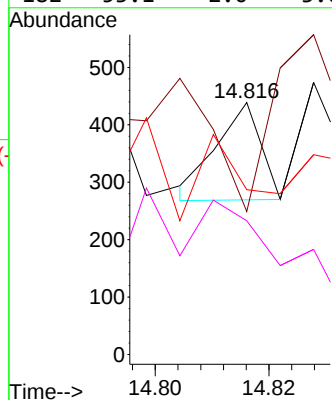
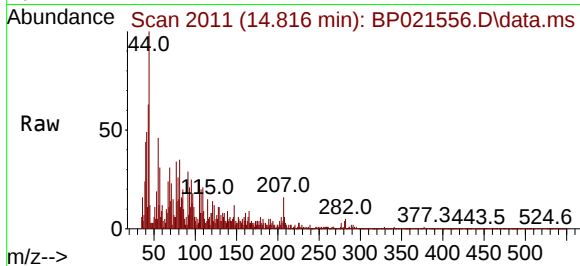




#57
2,4-Dinitrotoluene
Concen: 5.027 ng
RT: 14.816 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

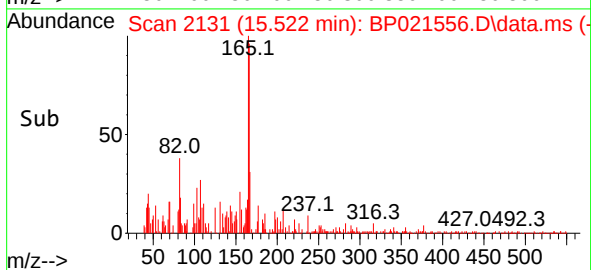
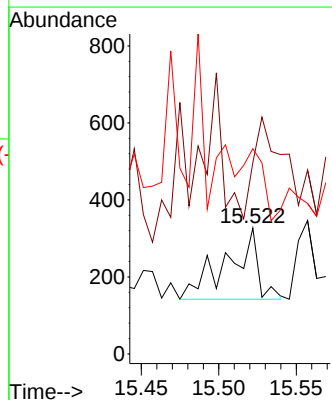
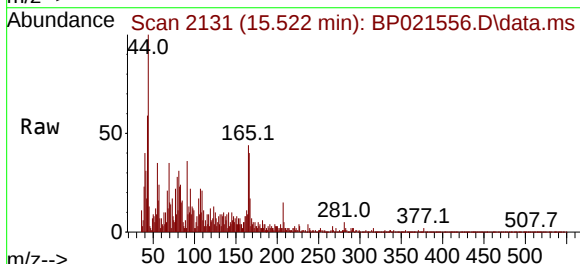
Instrument :
BNA_P
ClientSampleId :
OU4-TS-08-080724

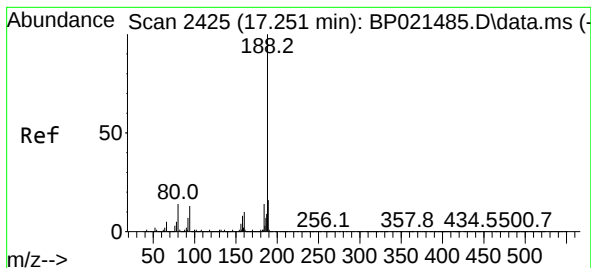
Tgt Ion:165 Resp: 91
Ion Ratio Lower Upper
165 100
63 56.7 42.5 63.7
89 65.4 77.1 115.7#
182 53.1 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.951 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Tgt Ion:138 Resp: 259
Ion Ratio Lower Upper
138 100
92 152.0 46.4 86.4#
108 163.0 73.2 113.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.263 min Scan# 2425

Delta R.T. 0.012 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

Instrument :

BNA_P

ClientSampleId :

OU4-TS-08-080724

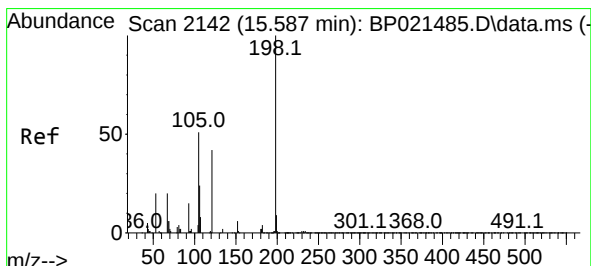
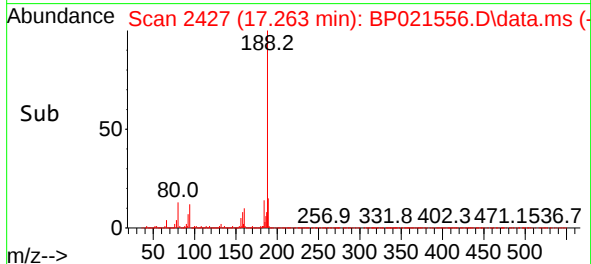
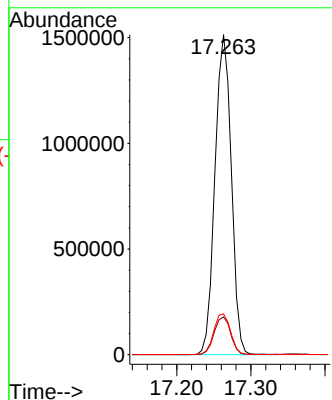
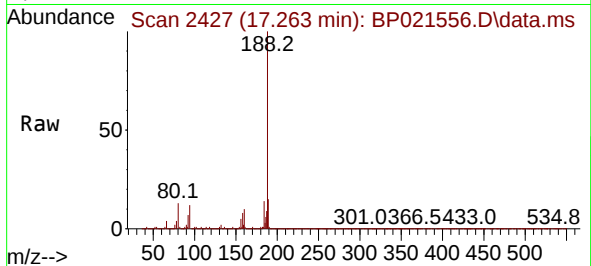
Tgt Ion:188 Resp: 2315035

Ion Ratio Lower Upper

188 100

94 11.8 10.2 15.4

80 12.8 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.621 ng

RT: 15.587 min Scan# 2142

Delta R.T. -0.000 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

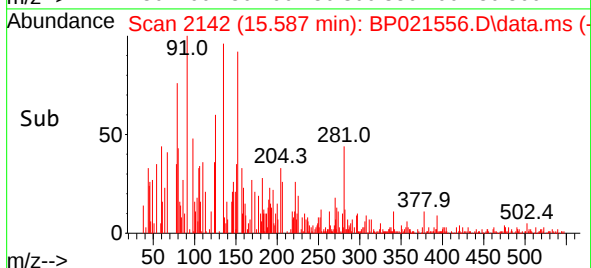
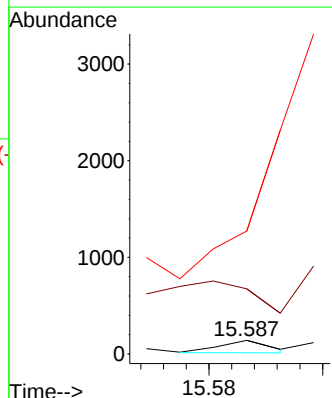
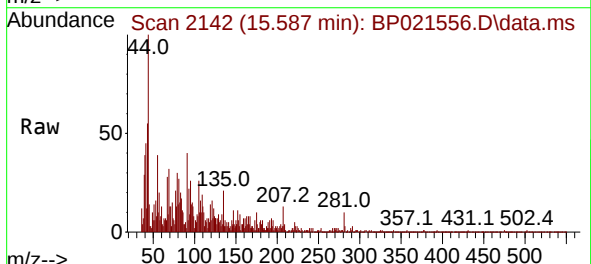
Tgt Ion:198 Resp: 78

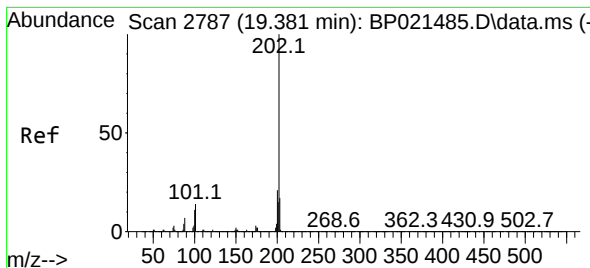
Ion Ratio Lower Upper

198 100

51 478.0 21.5 61.5#

105 902.1 32.9 72.9#





#75

Fluoranthene

Concen: 2.699 ng

RT: 19.398 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

Instrument :

BNA_P

ClientSampleId :

OU4-TS-08-080724

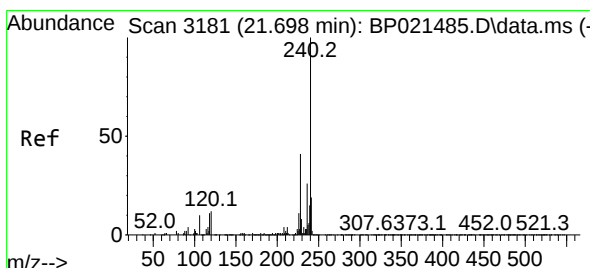
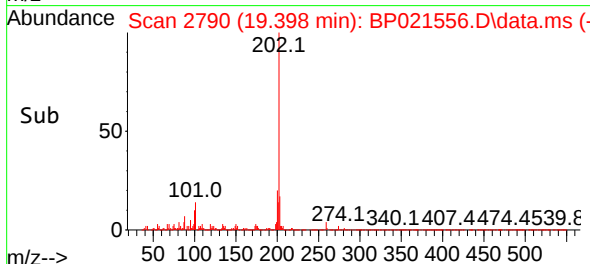
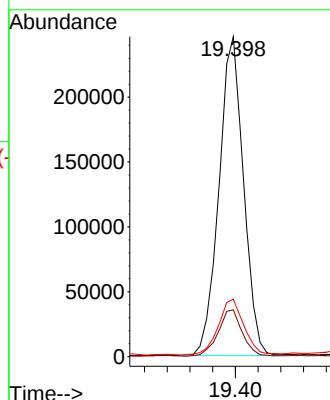
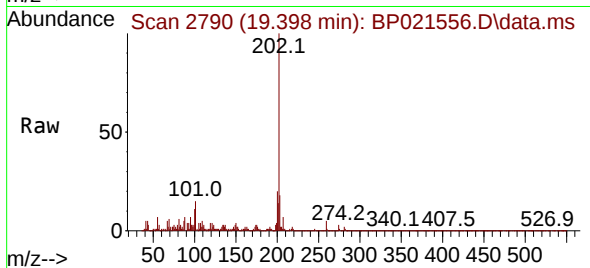
Tgt Ion:202 Resp: 368719

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.0

203 17.9 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.716 min Scan# 3184

Delta R.T. 0.018 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

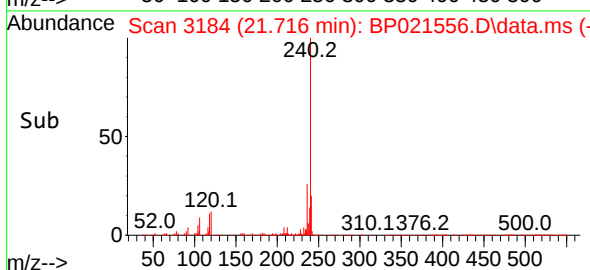
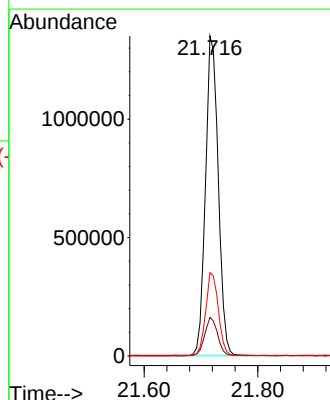
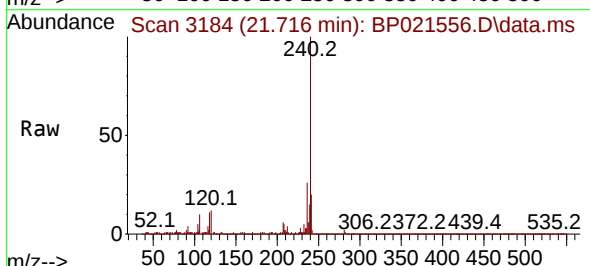
Tgt Ion:240 Resp: 2104646

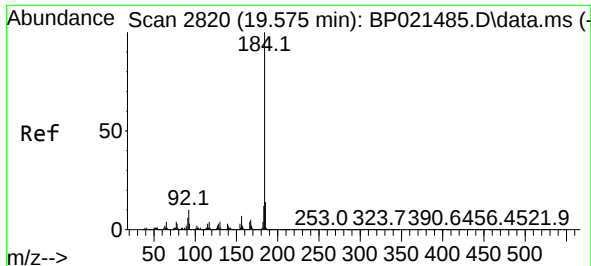
Ion Ratio Lower Upper

240 100

120 12.0 9.9 14.9

236 26.0 20.6 30.8

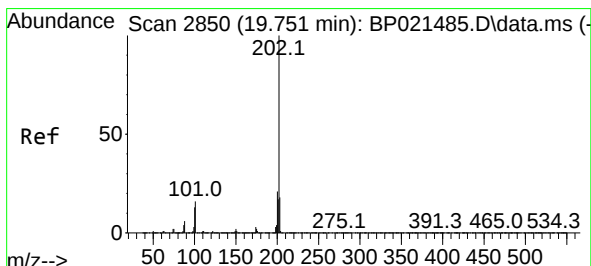
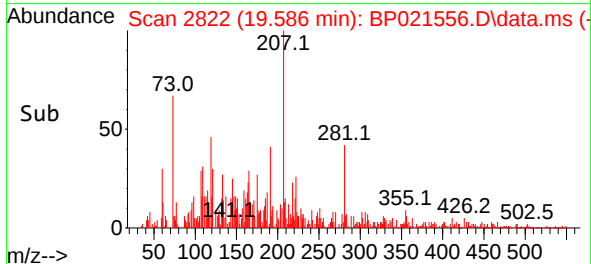
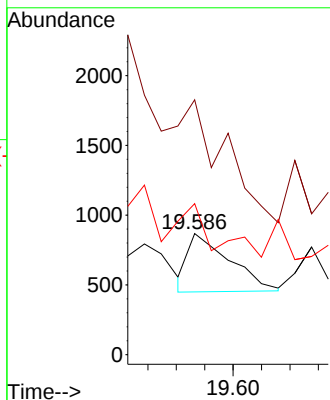
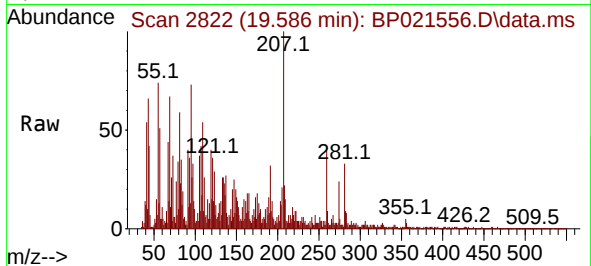




#77
Benzidine
Concen: 4.579 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.011 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

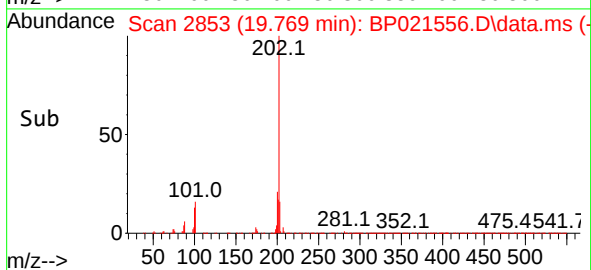
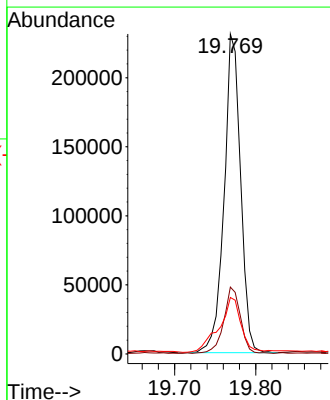
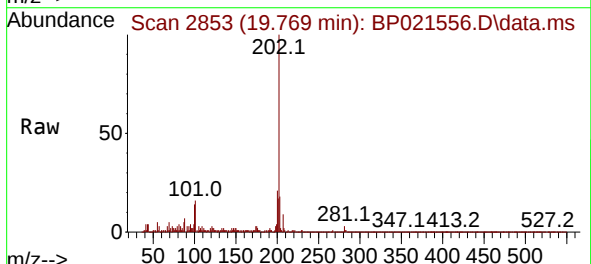
Instrument :
BNA_P
ClientSampleId :
OU4-TS-08-080724

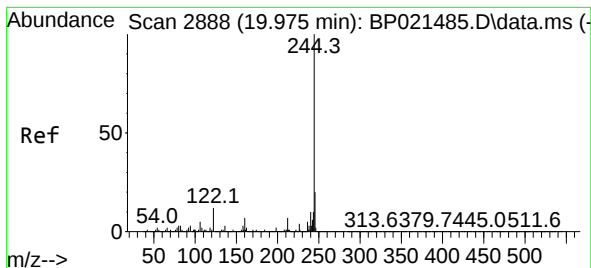
Tgt Ion:184 Resp: 429
Ion Ratio Lower Upper
184 100
185 210.5 11.4 17.0#
183 124.8 9.3 13.9#



#78
Pyrene
Concen: 2.366 ng
RT: 19.769 min Scan# 2853
Delta R.T. 0.018 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Tgt Ion:202 Resp: 325477
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 33.711 ng

RT: 19.986 min Scan# 2888

Delta R.T. 0.011 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

Instrument :

BNA_P

ClientSampleId :

OU4-TS-08-080724

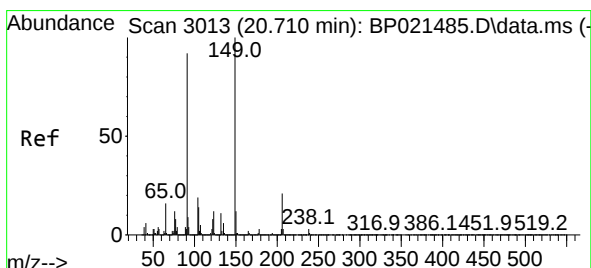
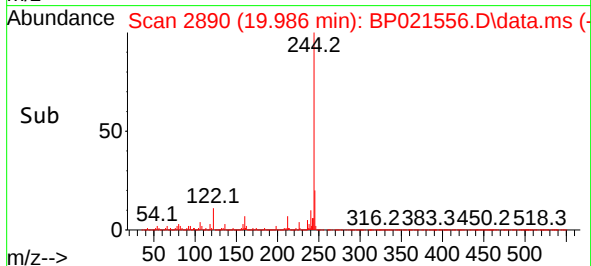
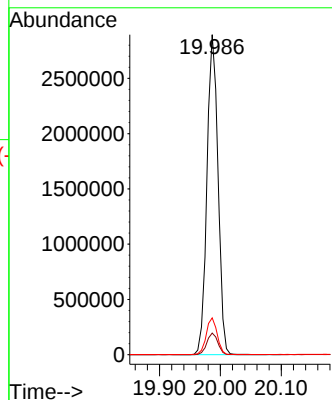
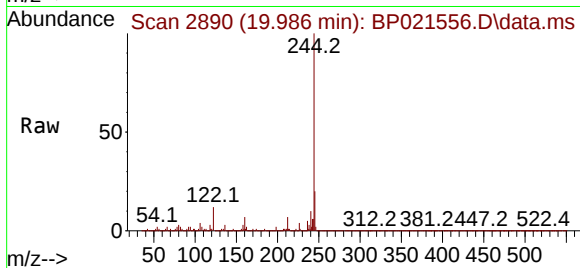
Tgt Ion:244 Resp: 3652068

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.5 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.698 ng

RT: 20.722 min Scan# 3015

Delta R.T. 0.012 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

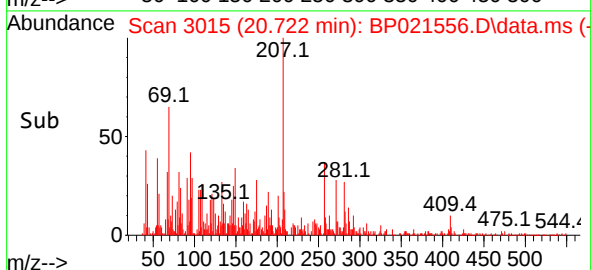
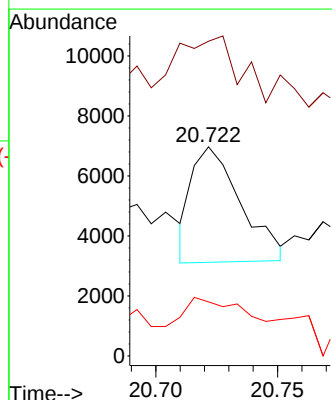
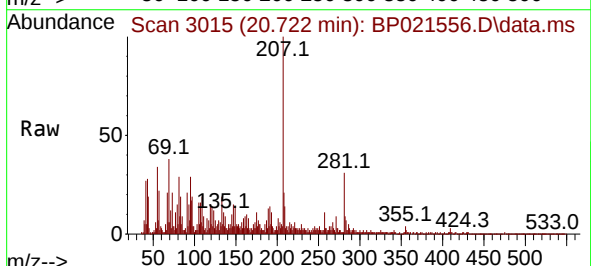
Tgt Ion:149 Resp: 5398

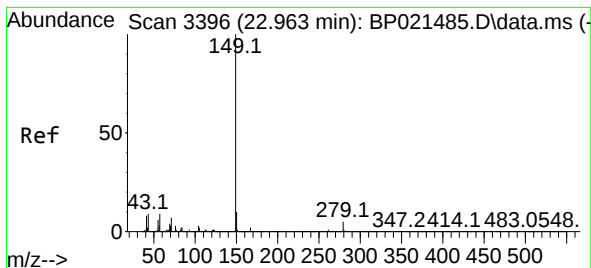
Ion Ratio Lower Upper

149 100

91 150.5 73.3 109.9#

206 25.8 17.1 25.7#





#85

Di-n-octyl phthalate

Concen: 4.846 ng

RT: 23.016 min Scan# 34

Delta R.T. 0.053 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

Instrument :

BNA_P

ClientSampleId :

OU4-TS-08-080724

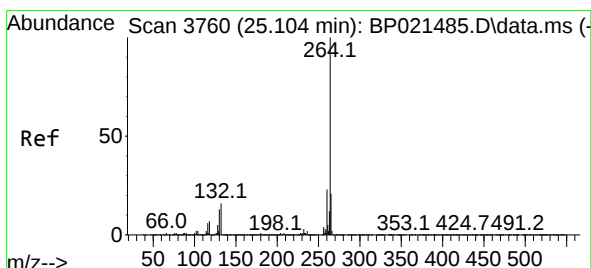
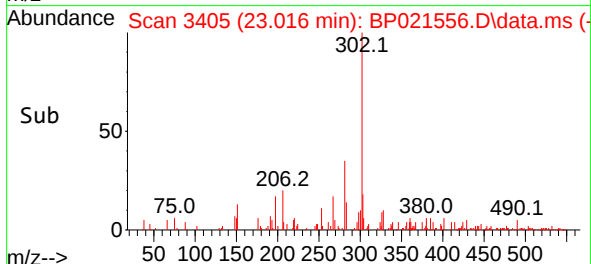
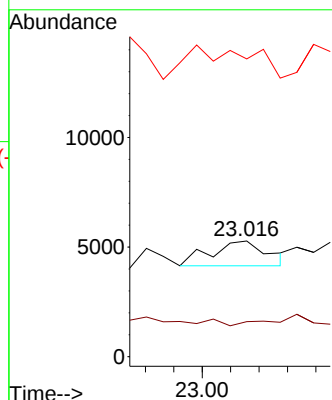
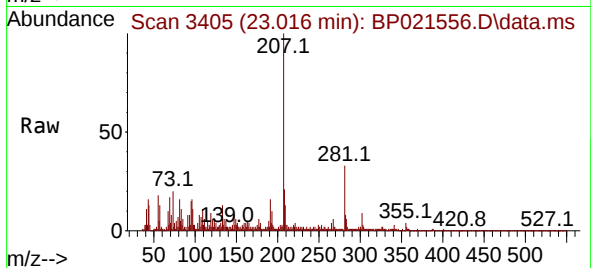
Tgt Ion:149 Resp: 1568

Ion Ratio Lower Upper

149 100

167 30.4 1.3 1.9#

43 0.0 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.157 min Scan# 3769

Delta R.T. 0.053 min

Lab File: BP021556.D

Acq: 19 Aug 2024 16:43

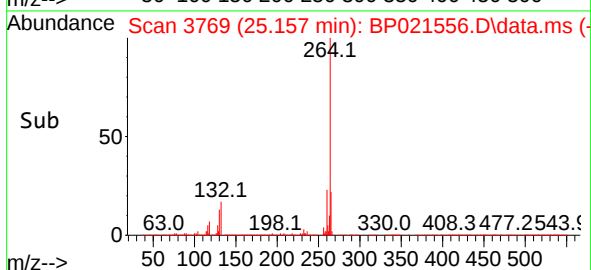
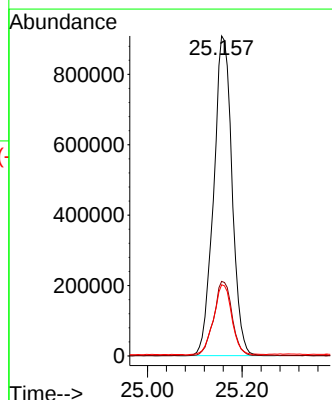
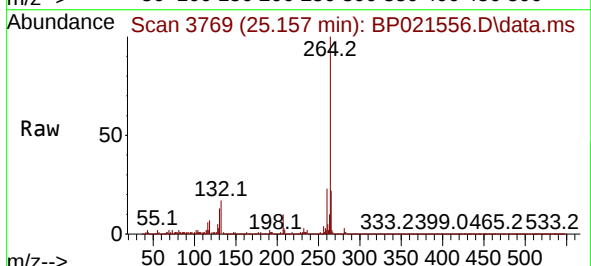
Tgt Ion:264 Resp: 2446205

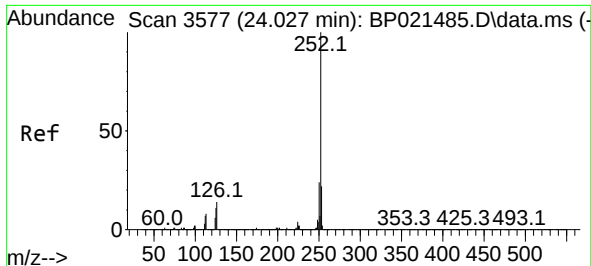
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.2 17.1 25.7

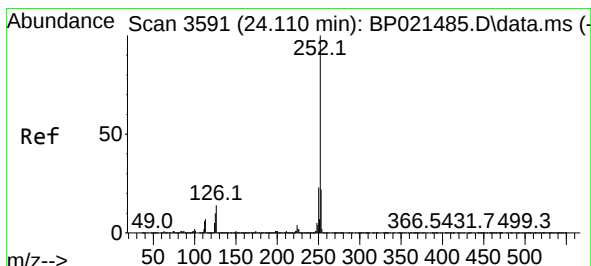
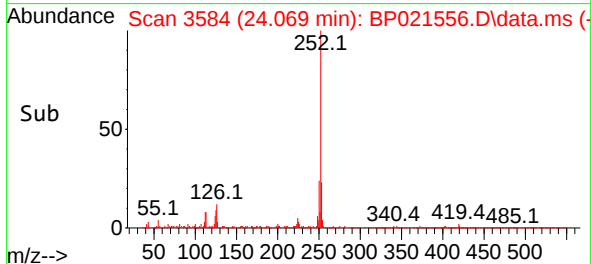
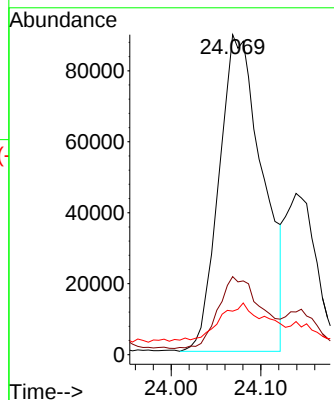
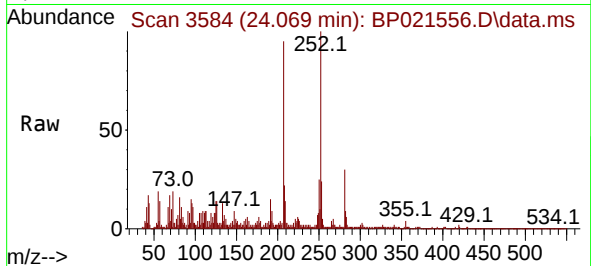




#88
Benzo(b)fluoranthene
Concen: 2.138 ng
RT: 24.069 min Scan# 3584
Delta R.T. 0.041 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Instrument :
BNA_P
ClientSampleId :
OU4-TS-08-080724

Tgt Ion:252 Resp: 300432
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 13.6 8.6 13.0#



#89
Benzo(k)fluoranthene
Concen: 2.192 ng
RT: 24.069 min Scan# 3584
Delta R.T. -0.041 min
Lab File: BP021556.D
Acq: 19 Aug 2024 16:43

Tgt Ion:252 Resp: 300432
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 13.6 7.8 11.8#

