

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021544.D
 Acq On : 16 Aug 2024 18:05
 Operator : RC/JU
 Sample : P3519-05RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-18-080724RE

Quant Time: Aug 16 18:39:43 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)

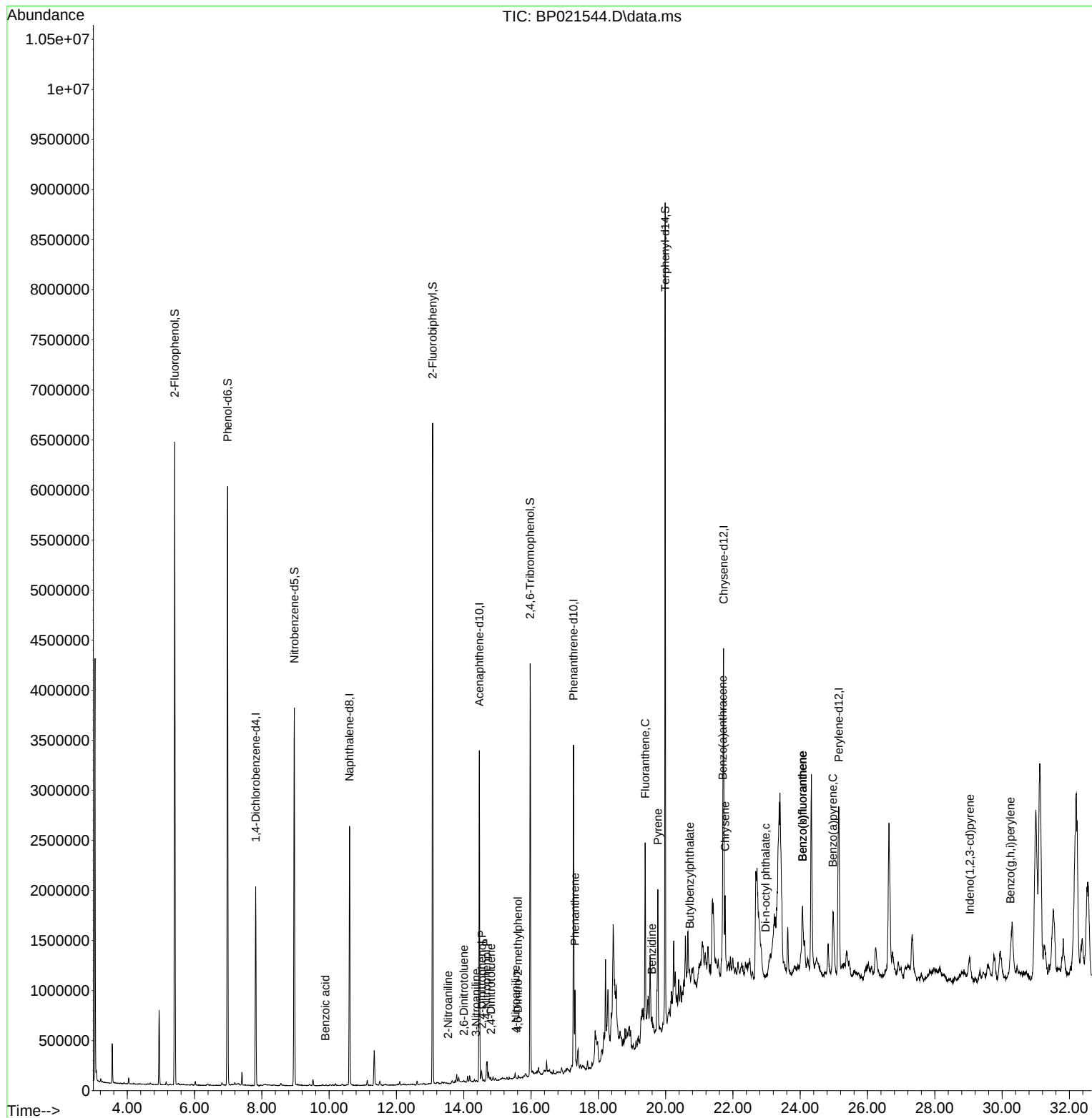
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	533883	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	2078369	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	1079898	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	1822950	20.000	ng	0.01
76) Chrysene-d12	21.722	240	1744605	20.000	ng	0.02
86) Perylene-d12	25.145	264	2098923	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	2819718	78.423	ng	0.02
7) Phenol-d6	6.981	99	3873734	73.856	ng	0.02
23) Nitrobenzene-d5	8.963	82	2339571	58.102	ng	0.01
42) 2,4,6-Tribromophenol	15.975	330	860550	71.600	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	3403946	48.106	ng	0.01
79) Terphenyl-d14	19.986	244	3467645	38.614	ng	0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.710	139	78	Below Cal	#	1
32) Benzoic acid	9.887	122	142	3.332	ng	# 1
48) 2-Nitroaniline	13.534	65	428	5.170	ng	# 57
51) 2,6-Dinitrotoluene	14.004	165	497	4.017	ng	# 66
53) 3-Nitroaniline	14.363	138	637	4.010	ng	# 28
54) 2,4-Dinitrophenol	14.540	184	152	2.487	ng	# 1
56) 4-Nitrophenol	14.675	139	460	5.114	ng	# 1
57) 2,4-Dinitrotoluene	14.810	165	246	5.034	ng	# 59
62) 4-Nitroaniline	15.545	138	192	2.947	ng	# 21
65) 4,6-Dinitro-2-methylph...	15.610	198	109	4.632	ng	# 1
71) Phenanthrene	17.304	178	436582	4.980	ng	99
75) Fluoranthene	19.392	202	1038314	9.653	ng	100
77) Benzidine	19.592	184	333	4.579	ng	# 1
78) Pyrene	19.769	202	925306	8.115	ng	99
80) Butylbenzylphthalate	20.716	149	4999	3.709	ng	# 44
81) Benzo(a)anthracene	21.698	228	530555	4.844	ng	96
83) Chrysene	21.769	228	507406	4.907	ng	97
85) Di-n-octyl phthalate	22.974	149	971	4.844	ng	# 58
87) Indeno(1,2,3-cd)pyrene	29.039	276	393006	2.889	ng	# 87
88) Benzo(b)fluoranthene	24.068	252	736278	6.108	ng	# 96
89) Benzo(k)fluoranthene	24.068	252	736278	6.261	ng	# 95
90) Benzo(a)pyrene	24.974	252	522317	4.993	ng	# 96
92) Benzo(g,h,i)perylene	30.250	276	364385	3.216	ng	97

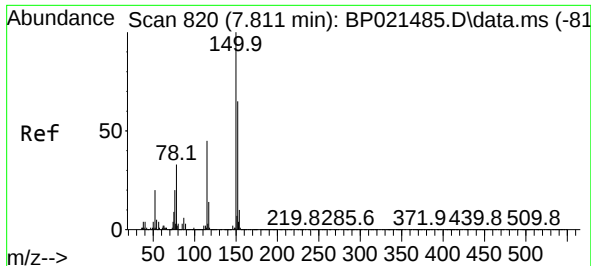
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-18-080724RE

Quant Time: Aug 16 18:39:43 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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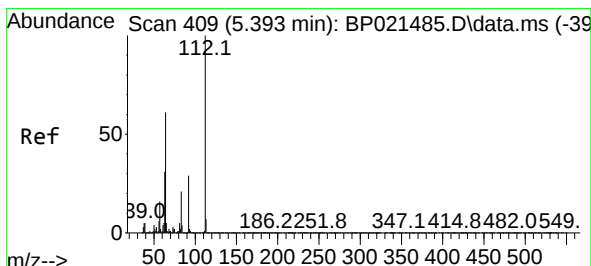
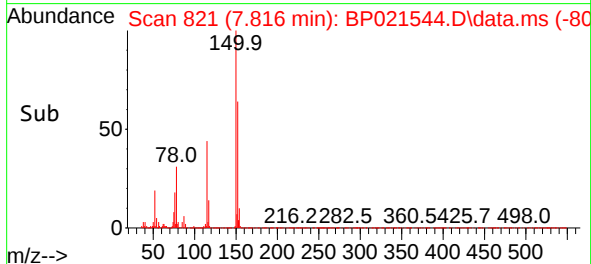
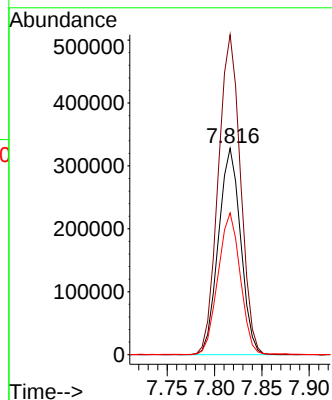
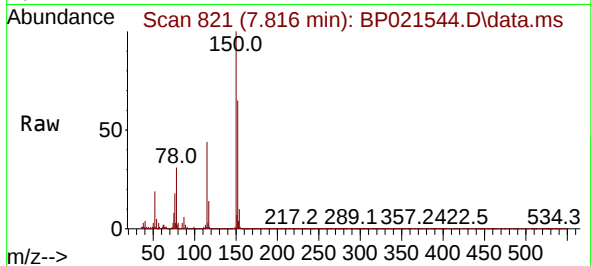




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

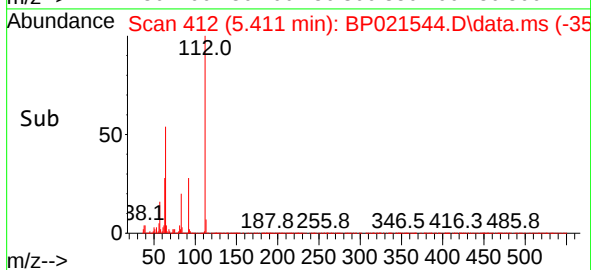
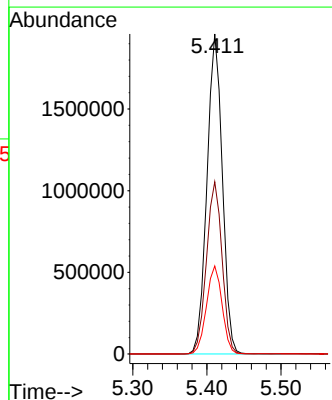
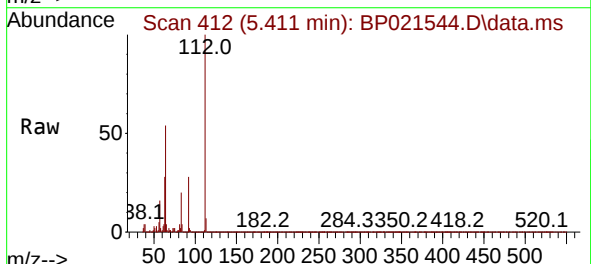
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE

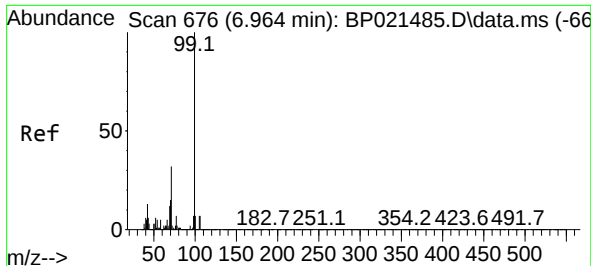
Tgt Ion:152 Resp: 533883
Ion Ratio Lower Upper
152 100
150 155.0 122.4 183.6
115 68.7 54.7 82.1



#5
2-Fluorophenol
Concen: 78.423 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion:112 Resp: 2819718
Ion Ratio Lower Upper
112 100
64 53.8 49.0 73.6
63 27.5 24.6 36.8

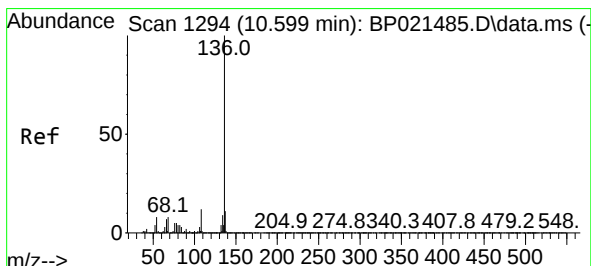
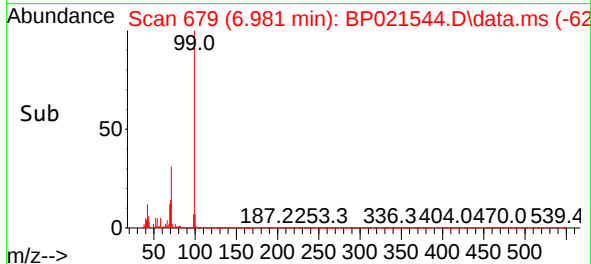
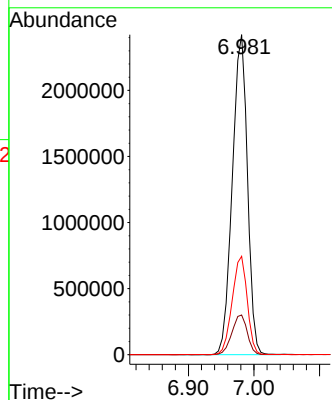
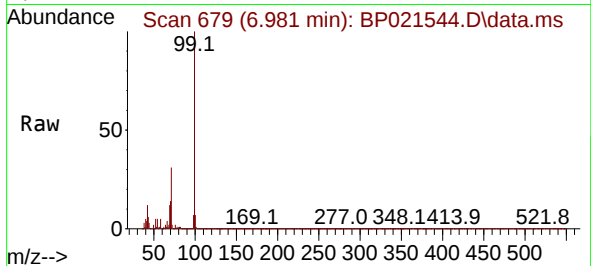




#7
Phenol-d6
Concen: 73.856 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

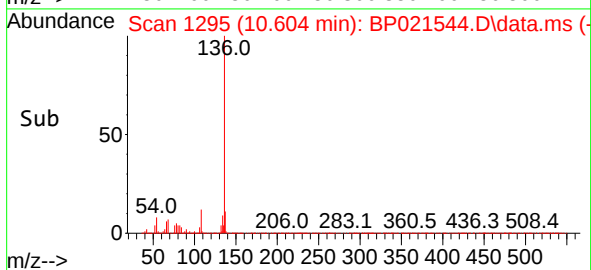
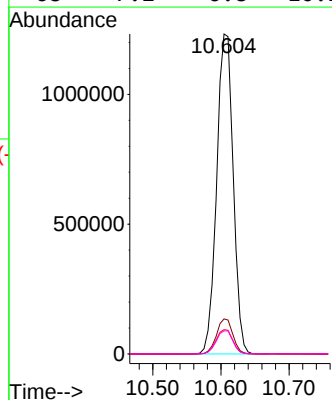
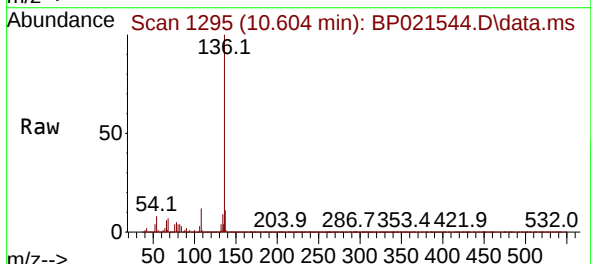
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE

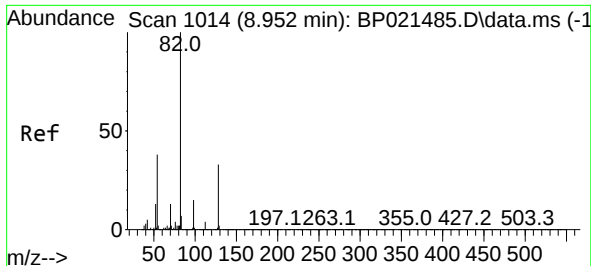
Tgt Ion: 99 Resp: 3873734
Ion Ratio Lower Upper
99 100
42 12.4 10.2 15.4
71 30.8 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.005 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion:136 Resp: 2078369
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

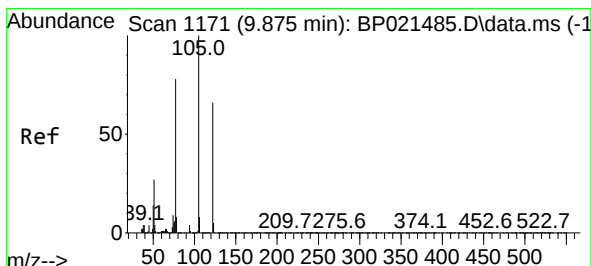
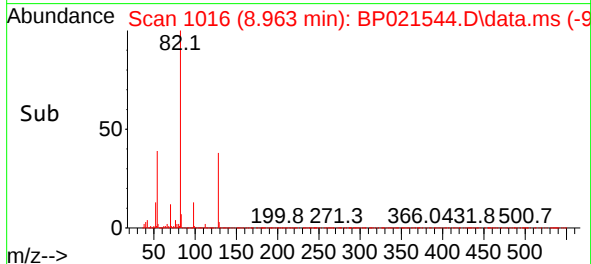
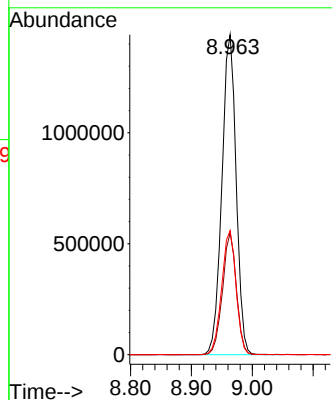
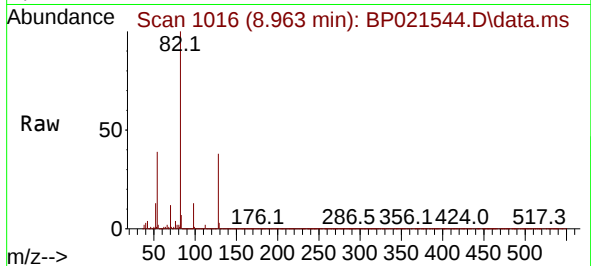




#23
Nitrobenzene-d5
Concen: 58.102 ng
RT: 8.963 min Scan# 1016
Delta R.T. 0.012 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

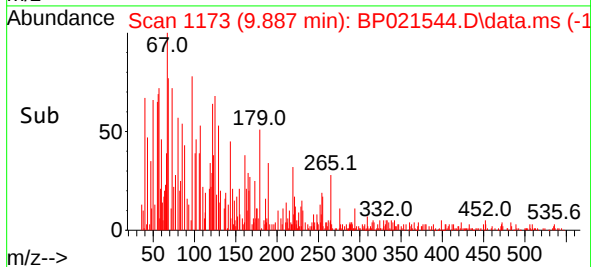
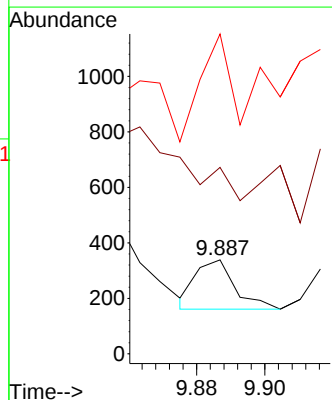
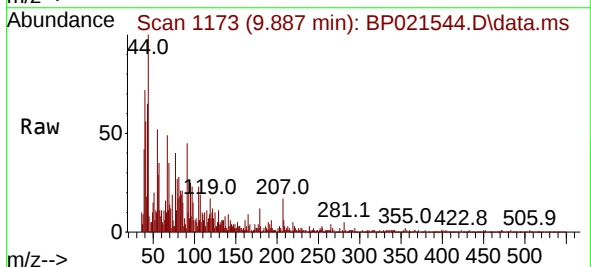
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE

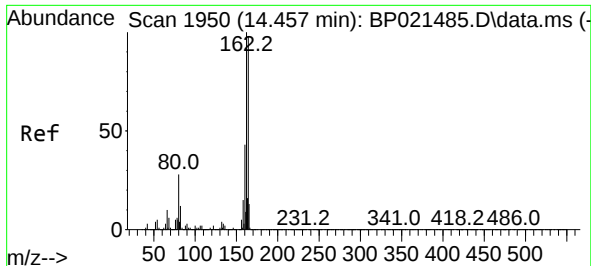
Tgt Ion: 82 Resp: 2339571
Ion Ratio Lower Upper
82 100
128 38.0 26.5 39.7
54 38.8 30.3 45.5



#32
Benzoic acid
Concen: 3.332 ng
RT: 9.887 min Scan# 1173
Delta R.T. 0.012 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion: 122 Resp: 142
Ion Ratio Lower Upper
122 100
105 198.2 124.6 164.6#
77 340.1 96.2 136.2#

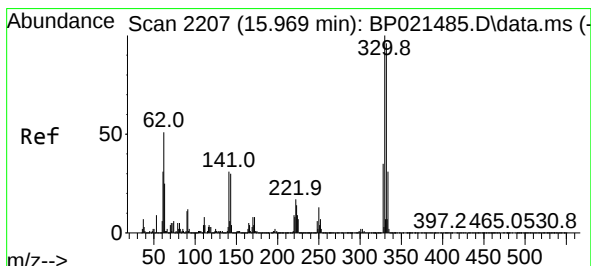
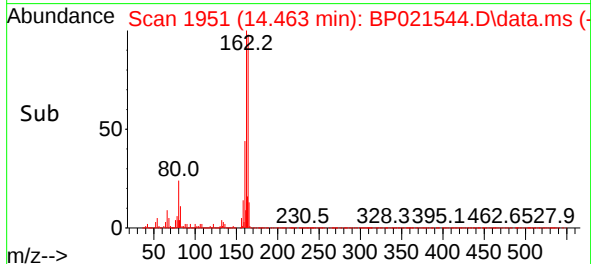
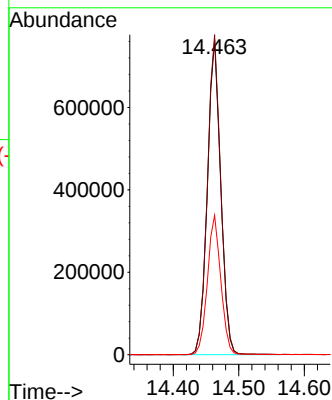
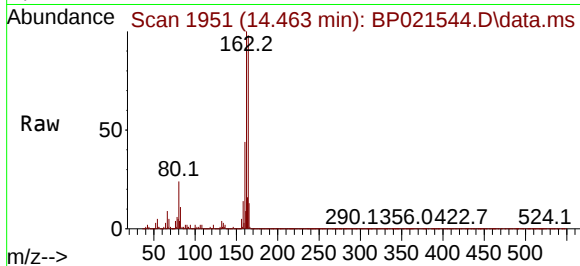




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1950
Delta R.T. 0.006 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

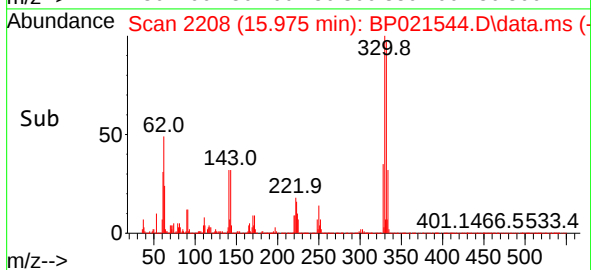
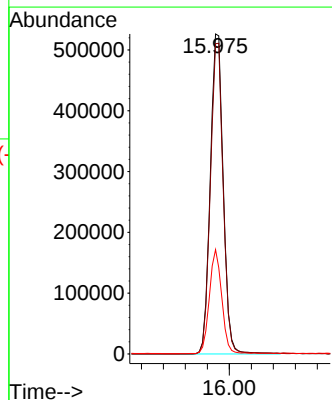
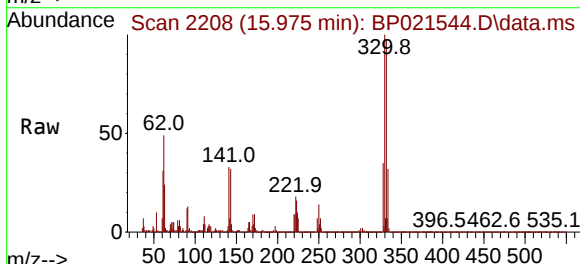
Instrument :
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ClientSampleId :
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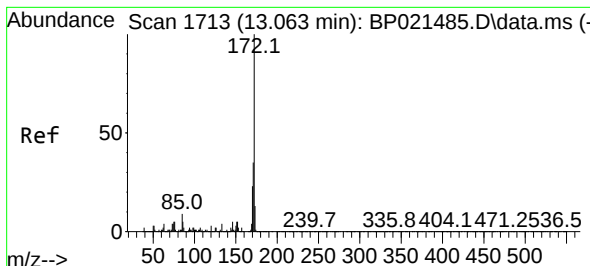
Tgt Ion:164 Resp: 1079898
Ion Ratio Lower Upper
164 100
162 101.8 81.5 122.3
160 44.3 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 71.600 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion:330 Resp: 860550
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 30.9 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 48.106 ng

RT: 13.075 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

Instrument :

BNA_P

ClientSampleId :

OU4-TS-18-080724RE

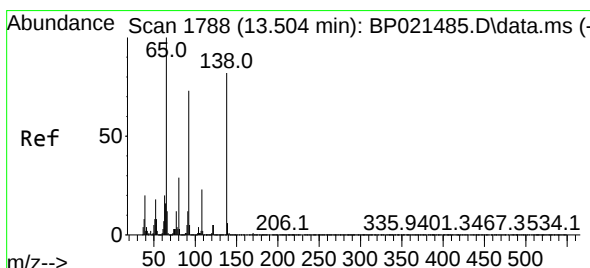
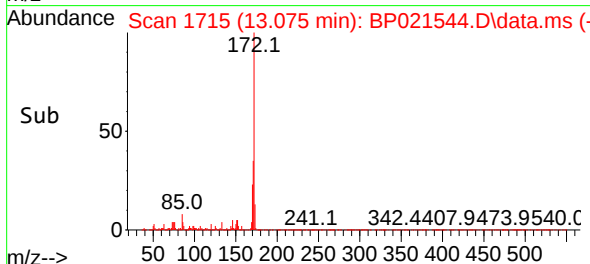
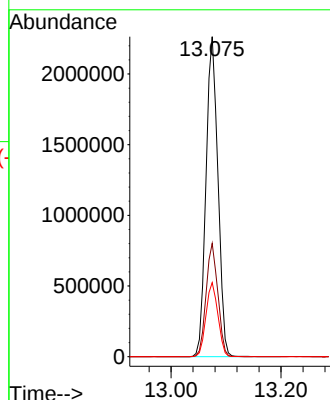
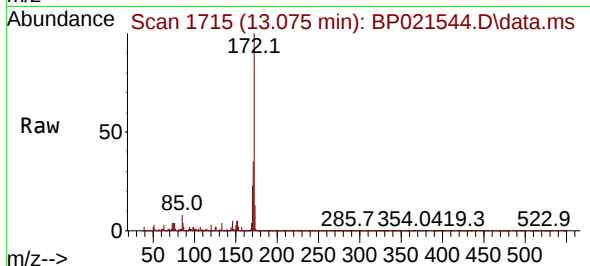
Tgt Ion:172 Resp: 3403946

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.1 18.4 27.6



#48

2-Nitroaniline

Concen: 5.170 ng

RT: 13.534 min Scan# 1793

Delta R.T. 0.030 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

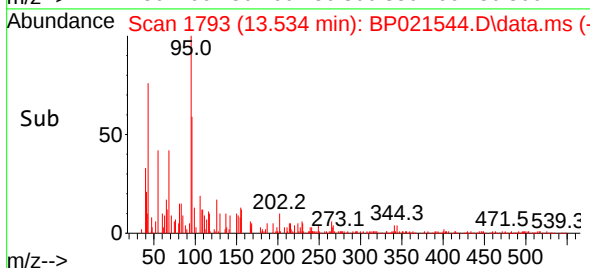
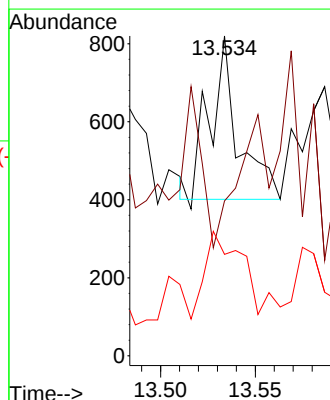
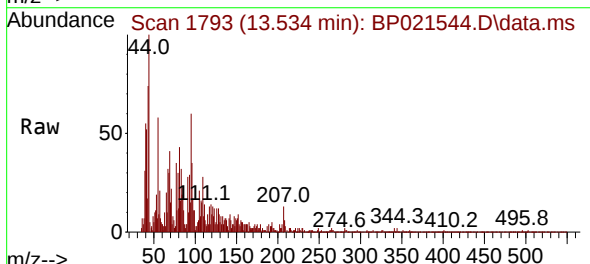
Tgt Ion: 65 Resp: 428

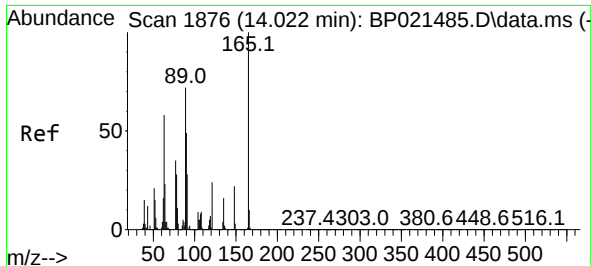
Ion Ratio Lower Upper

65 100

92 48.4 58.1 87.1#

138 31.7 65.5 98.3#

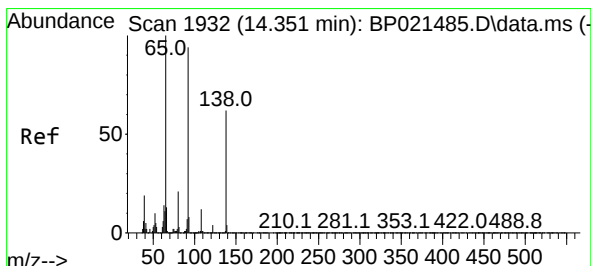
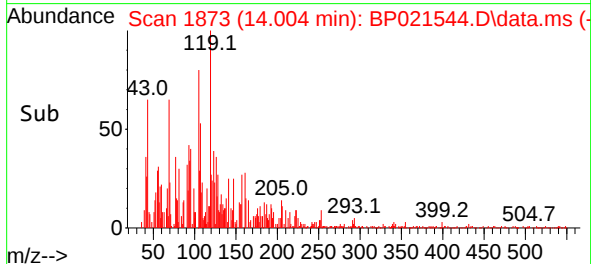
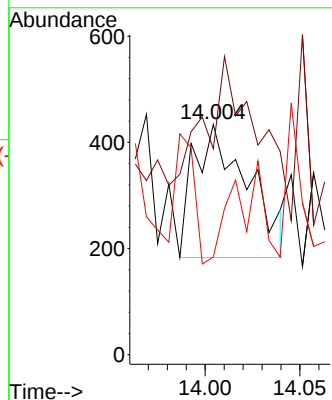
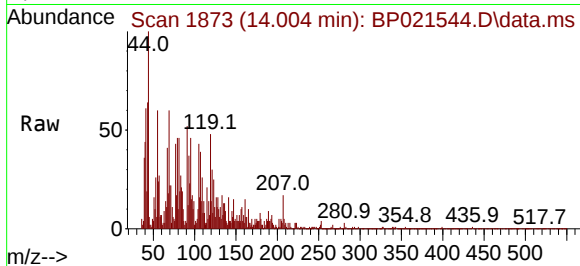




#51
2,6-Dinitrotoluene
Concen: 4.017 ng
RT: 14.004 min Scan# 1876
Delta R.T. -0.018 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

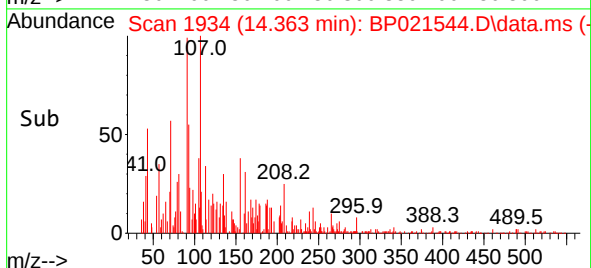
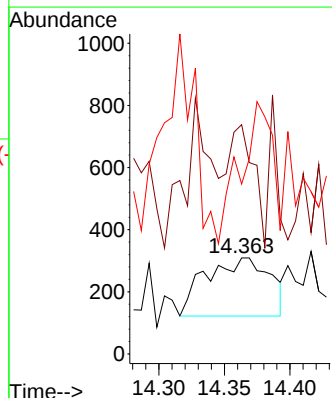
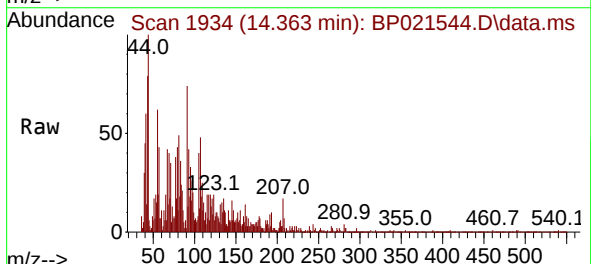
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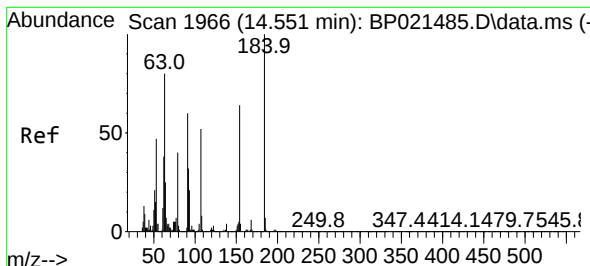
Tgt Ion:165 Resp: 497
Ion Ratio Lower Upper
165 100
63 89.4 51.5 77.3#
89 42.4 57.8 86.8#



#53
3-Nitroaniline
Concen: 4.010 ng
RT: 14.363 min Scan# 1934
Delta R.T. 0.012 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion:138 Resp: 637
Ion Ratio Lower Upper
138 100
108 238.8 16.2 24.4#
92 177.0 122.2 183.4

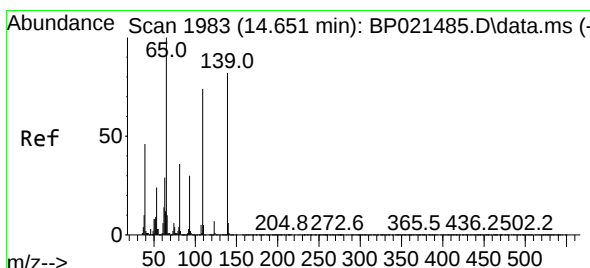
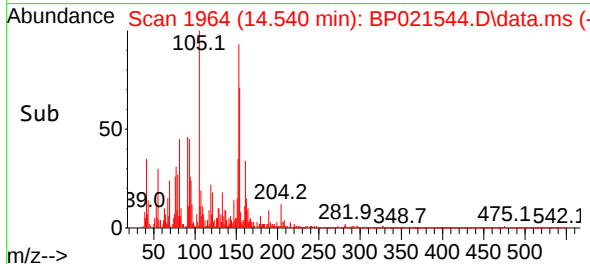
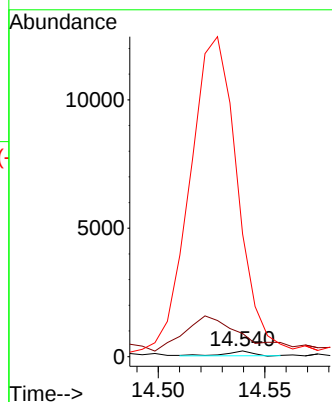
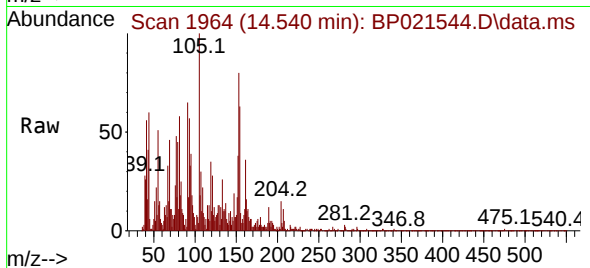




#54
2,4-Dinitrophenol
Concen: 2.487 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

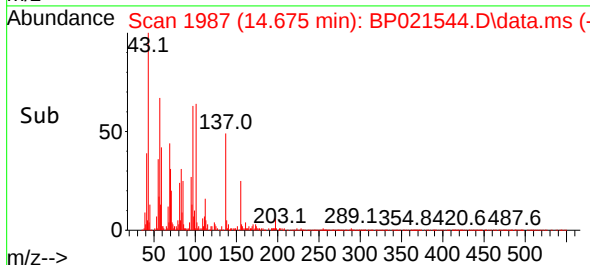
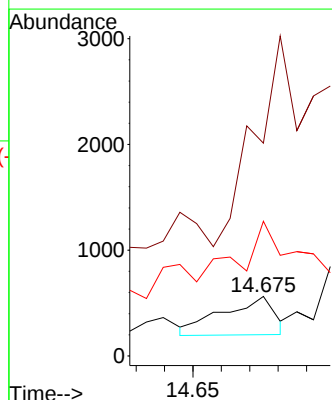
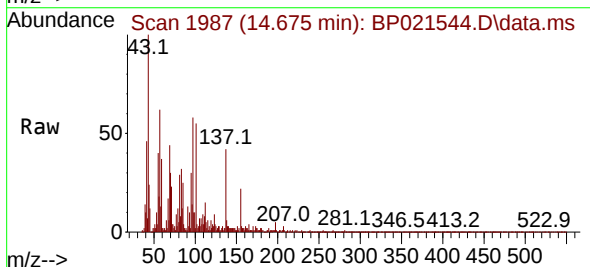
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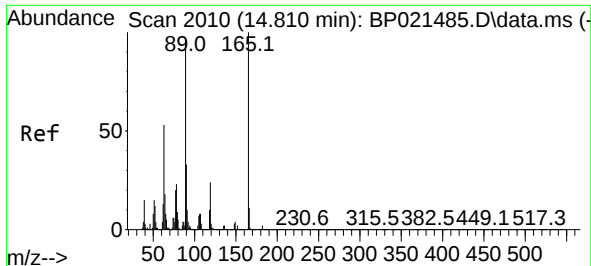
Tgt Ion:184 Resp: 152
Ion Ratio Lower Upper
184 100
63 404.5 64.9 97.3#
154 2143.5 52.1 78.1#



#56
4-Nitrophenol
Concen: 5.114 ng
RT: 14.675 min Scan# 1987
Delta R.T. 0.024 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion:139 Resp: 460
Ion Ratio Lower Upper
139 100
109 358.2 70.2 110.2#
65 226.7 101.8 141.8#

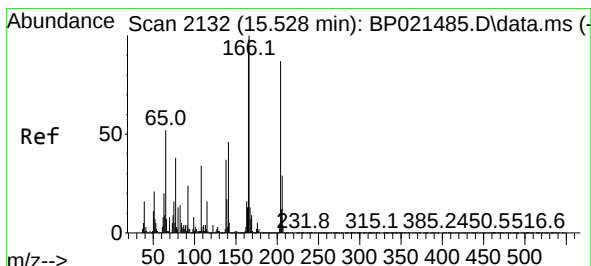
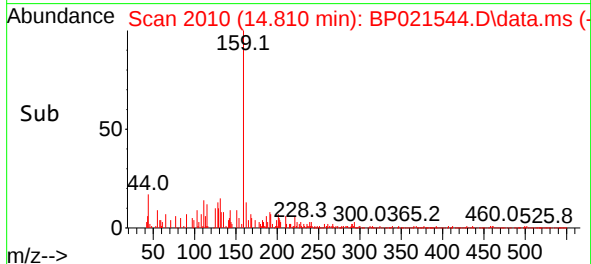
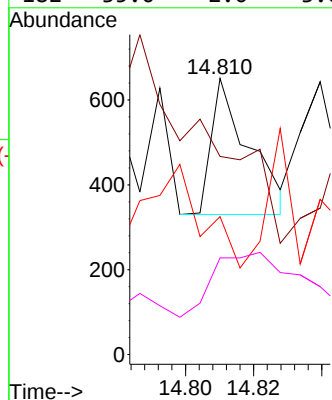
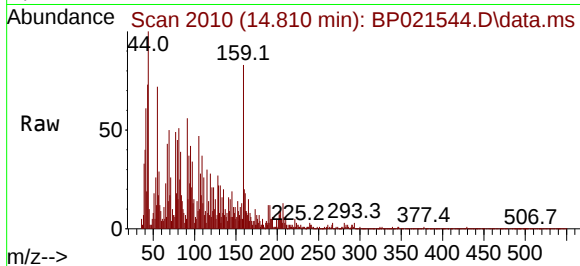




#57
2,4-Dinitrotoluene
Concen: 5.034 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

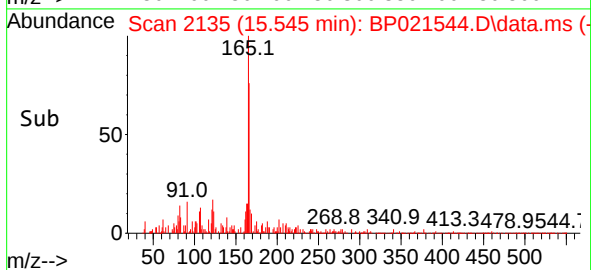
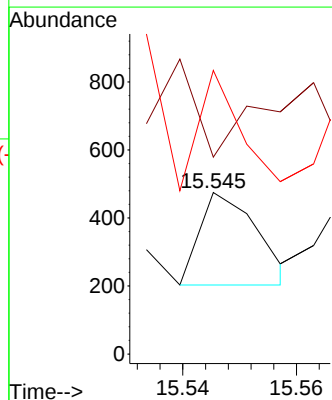
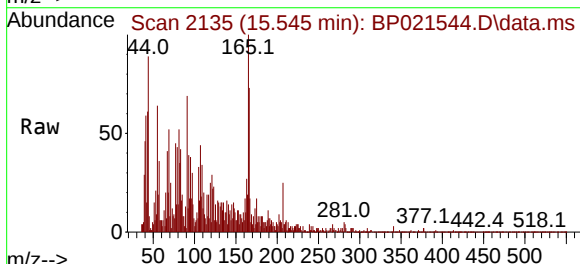
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE

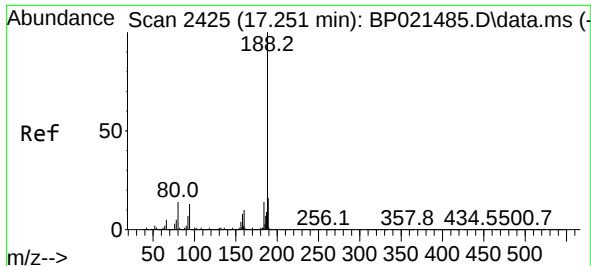
Tgt Ion:165 Resp: 246
Ion Ratio Lower Upper
165 100
63 71.7 42.5 63.7#
89 49.9 77.1 115.7#
182 35.0 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.947 ng
RT: 15.545 min Scan# 2135
Delta R.T. 0.017 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion:138 Resp: 192
Ion Ratio Lower Upper
138 100
92 121.9 46.4 86.4#
108 175.6 73.2 113.2#

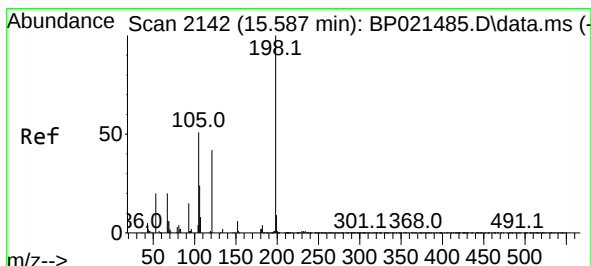
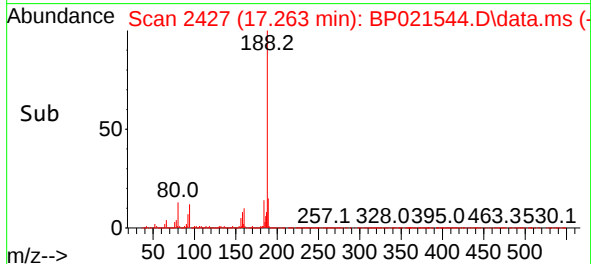
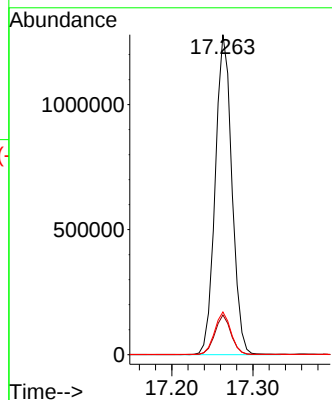
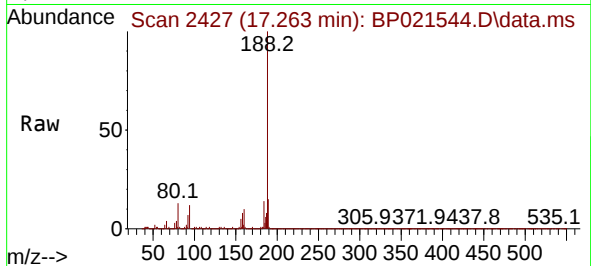




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

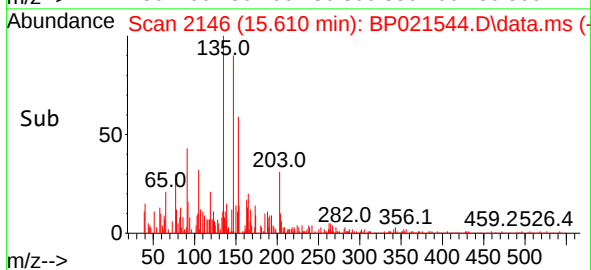
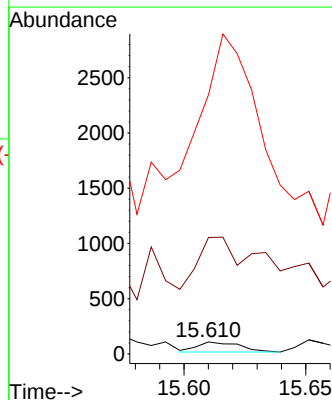
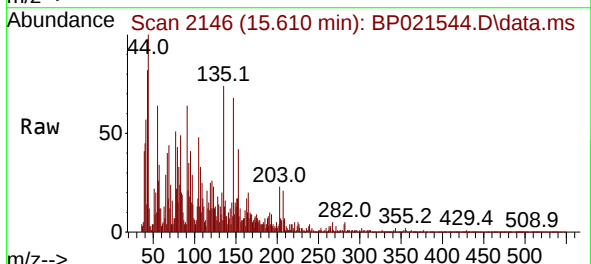
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE

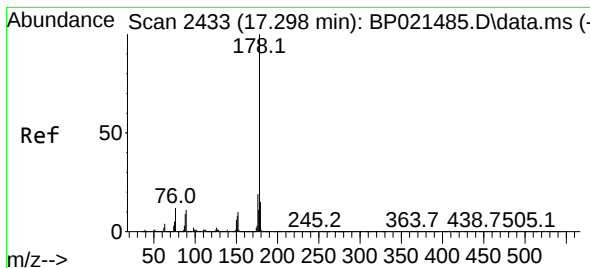
Tgt Ion:188 Resp: 1822950
Ion Ratio Lower Upper
188 100
94 12.4 10.2 15.4
80 13.4 11.6 17.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.632 ng
RT: 15.610 min Scan# 2146
Delta R.T. 0.023 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion:198 Resp: 109
Ion Ratio Lower Upper
198 100
51 975.9 21.5 61.5#
105 2172.2 32.9 72.9#





#71

Phenanthrene

Concen: 4.980 ng

RT: 17.304 min Scan# 2433

Delta R.T. 0.006 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

Instrument :

BNA_P

ClientSampleId :

OU4-TS-18-080724RE

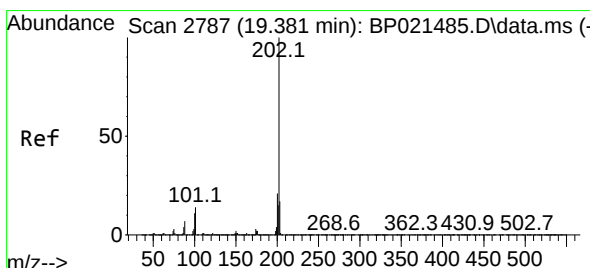
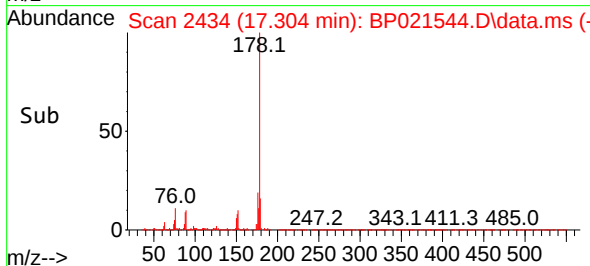
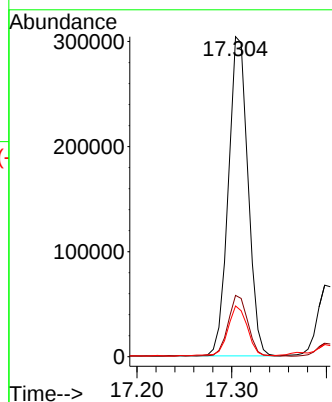
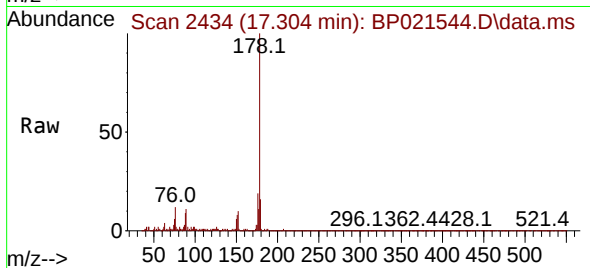
Tgt Ion:178 Resp: 436582

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.9 12.4 18.6



#75

Fluoranthene

Concen: 9.653 ng

RT: 19.392 min Scan# 2789

Delta R.T. 0.012 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

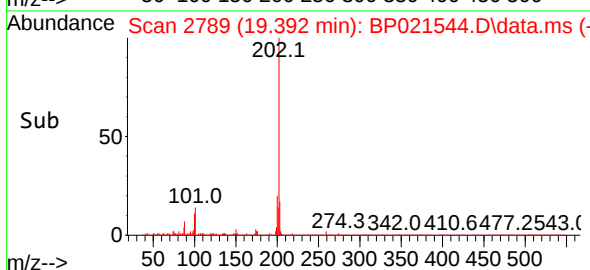
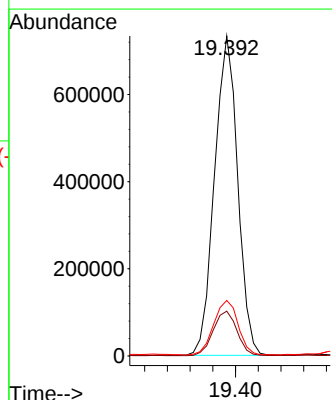
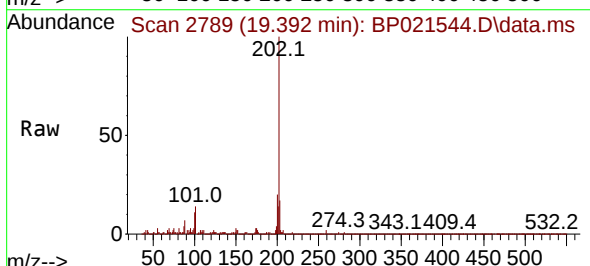
Tgt Ion:202 Resp: 1038314

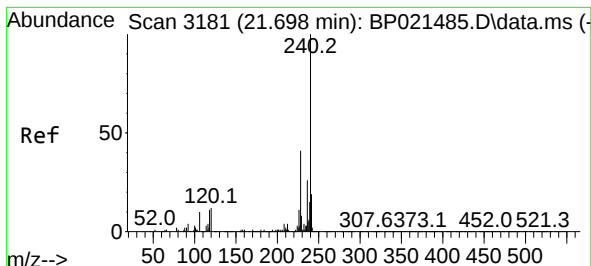
Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.0

203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.722 min Scan# 3185

Delta R.T. 0.023 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

Instrument :

BNA_P

ClientSampleId :

OU4-TS-18-080724RE

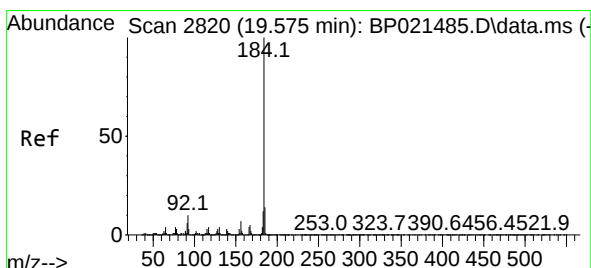
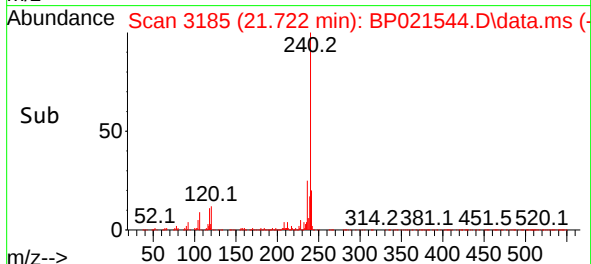
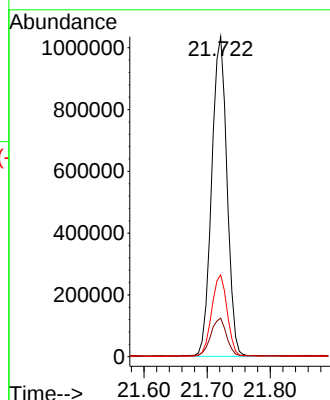
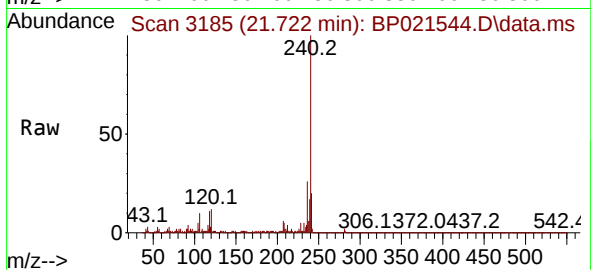
Tgt Ion:240 Resp: 1744605

Ion Ratio Lower Upper

240 100

120 12.1 9.9 14.9

236 25.5 20.6 30.8



#77

Benzidine

Concen: 4.579 ng

RT: 19.592 min Scan# 2823

Delta R.T. 0.017 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

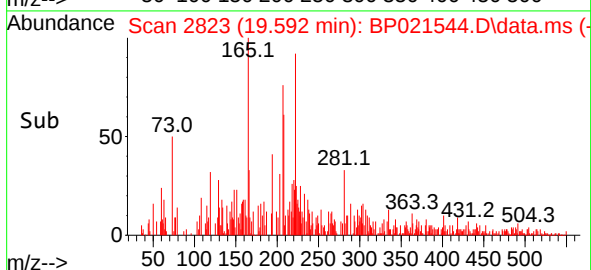
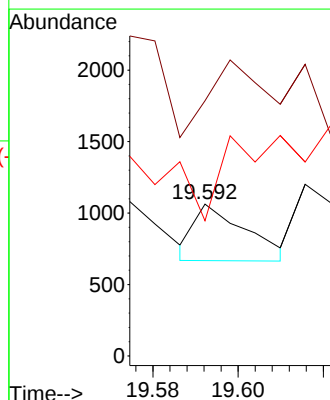
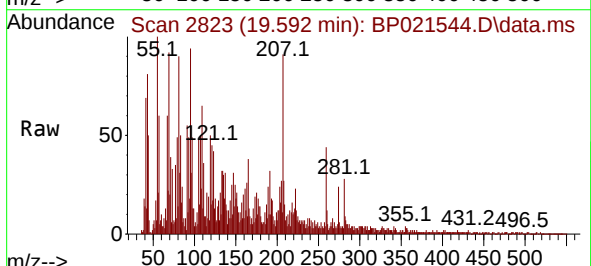
Tgt Ion:184 Resp: 333

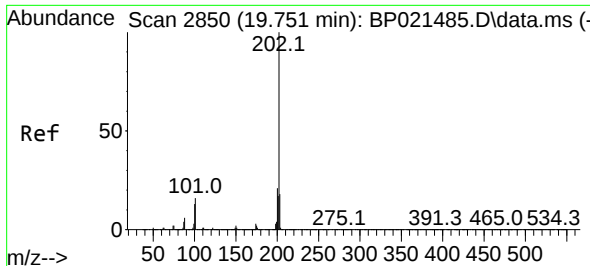
Ion Ratio Lower Upper

184 100

185 168.0 11.4 17.0#

183 89.0 9.3 13.9#

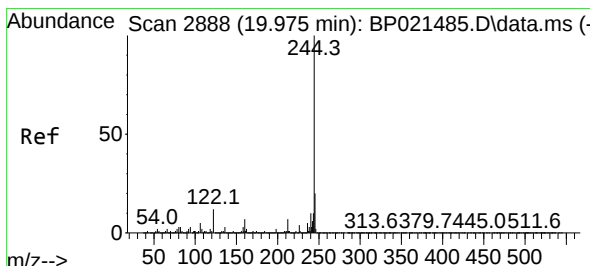
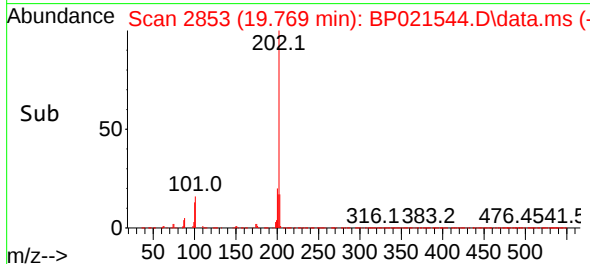
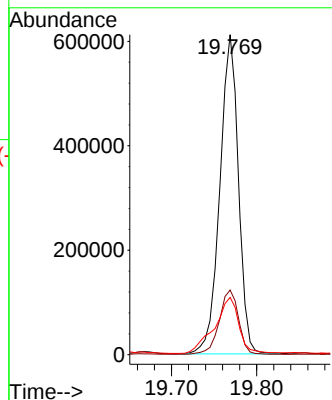
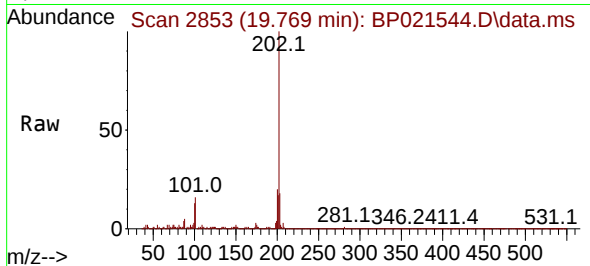




#78
Pyrene
Concen: 8.115 ng
RT: 19.769 min Scan# 2853
Delta R.T. 0.018 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

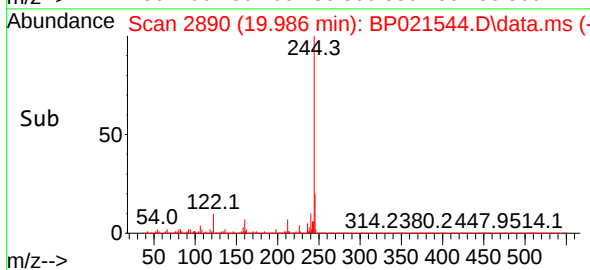
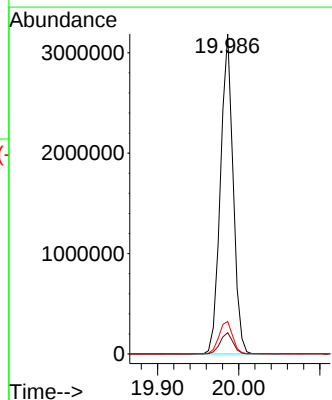
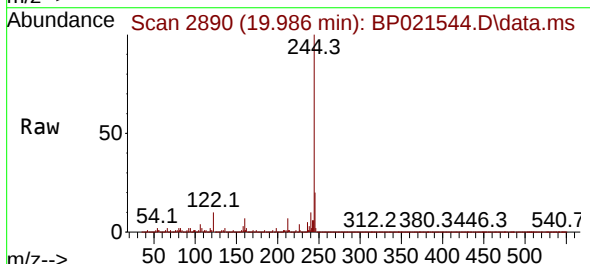
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE

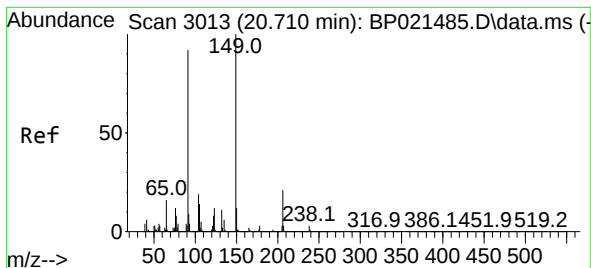
Tgt Ion:202 Resp: 925306
Ion Ratio Lower Upper
202 100
200 20.2 16.7 25.1
203 17.9 14.1 21.1



#79
Terphenyl-d14
Concen: 38.614 ng
RT: 19.986 min Scan# 2890
Delta R.T. 0.011 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion:244 Resp: 3467645
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 10.2 9.4 14.2





#80

Butylbenzylphthalate

Concen: 3.709 ng

RT: 20.716 min Scan# 3013

Delta R.T. 0.006 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

Instrument :

BNA_P

ClientSampleId :

OU4-TS-18-080724RE

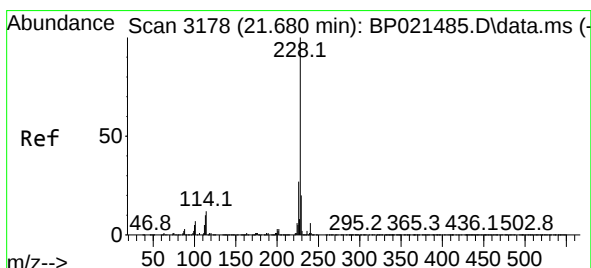
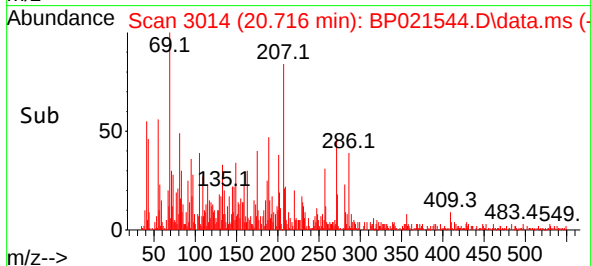
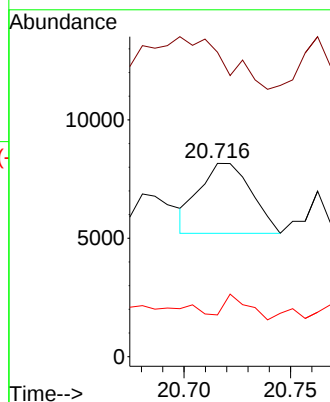
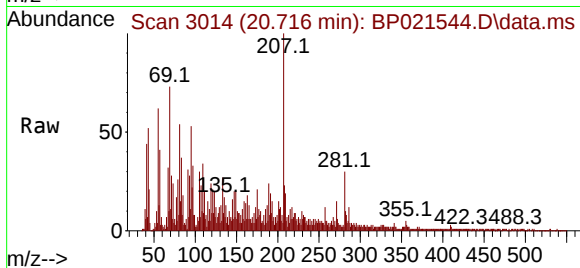
Tgt Ion:149 Resp: 4999

Ion Ratio Lower Upper

149 100

91 157.5 73.3 109.9#

206 21.6 17.1 25.7



#81

Benzo(a)anthracene

Concen: 4.844 ng

RT: 21.698 min Scan# 3181

Delta R.T. 0.018 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

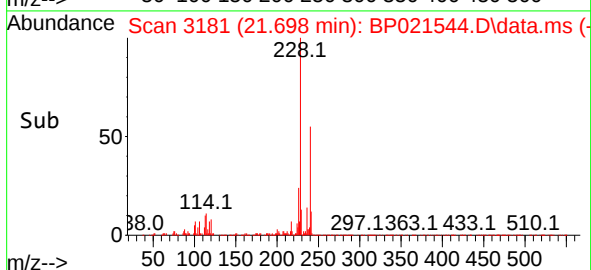
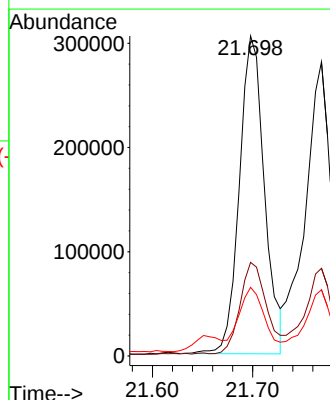
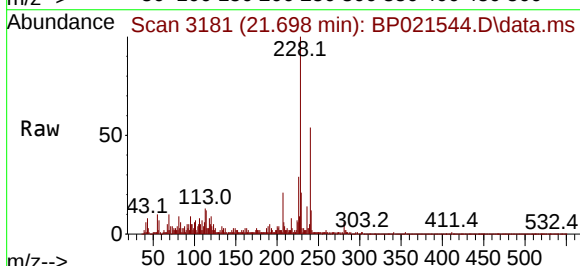
Tgt Ion:228 Resp: 530555

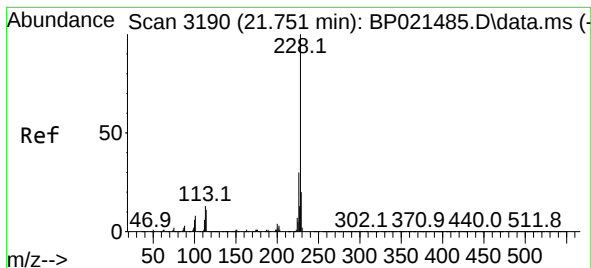
Ion Ratio Lower Upper

228 100

226 29.2 21.4 32.2

229 21.5 15.8 23.6





#83

Chrysene

Concen: 4.907 ng

RT: 21.769 min Scan# 3190

Delta R.T. 0.018 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

Instrument :

BNA_P

ClientSampleId :

OU4-TS-18-080724RE

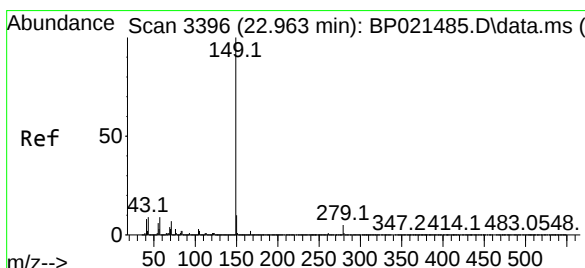
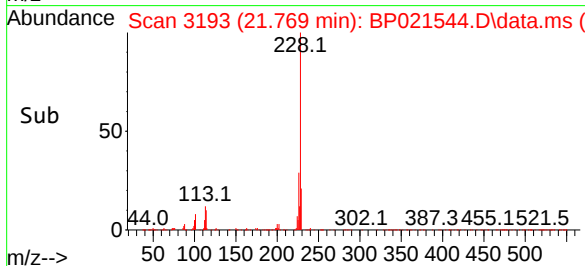
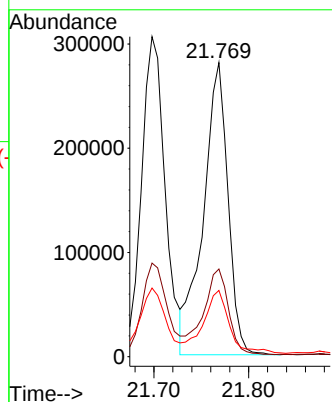
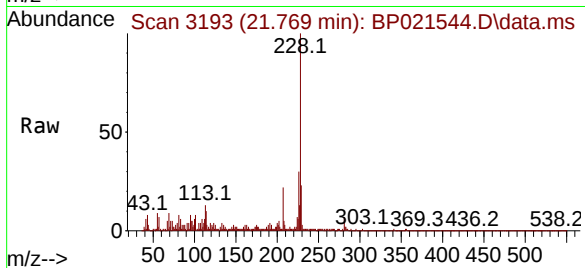
Tgt Ion:228 Resp: 507406

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

229 22.5 15.8 23.6



#85

Di-n-octyl phthalate

Concen: 4.844 ng

RT: 22.974 min Scan# 3398

Delta R.T. 0.011 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

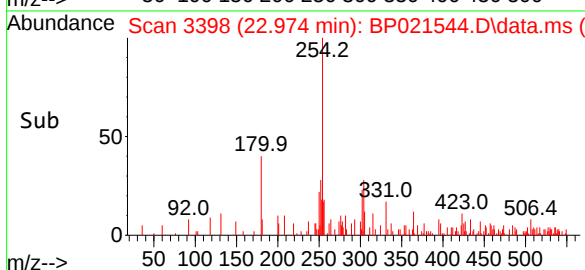
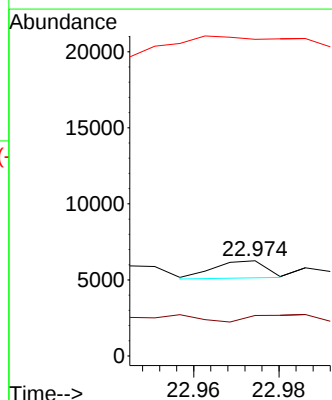
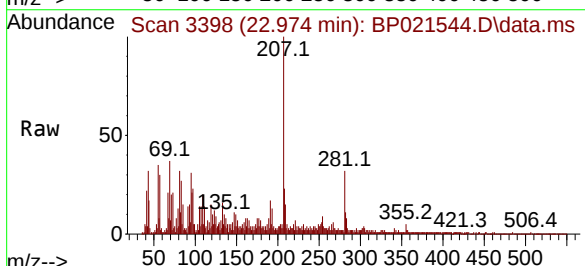
Tgt Ion:149 Resp: 971

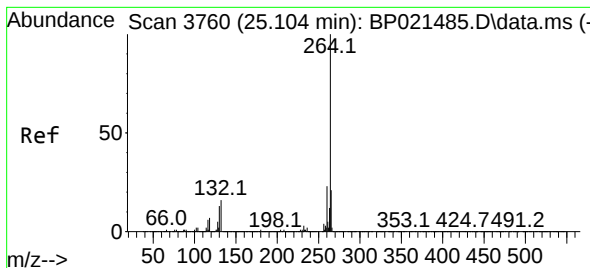
Ion Ratio Lower Upper

149 100

167 54.2 1.3 1.9#

43 0.0 7.3 10.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.145 min Scan# 31

Delta R.T. 0.041 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

Instrument :

BNA_P

ClientSampleId :

OU4-TS-18-080724RE

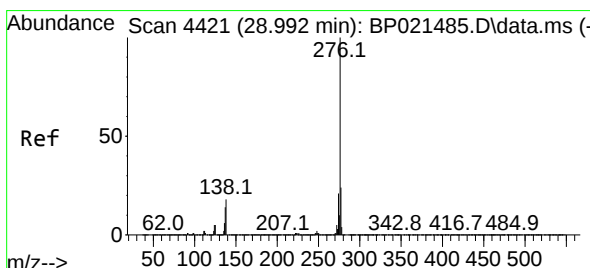
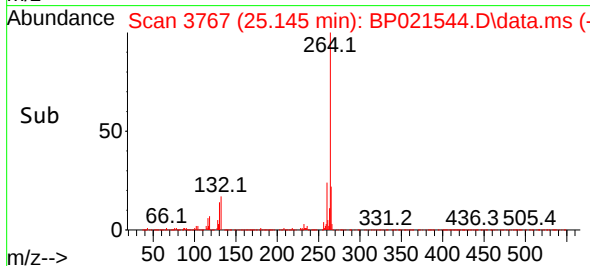
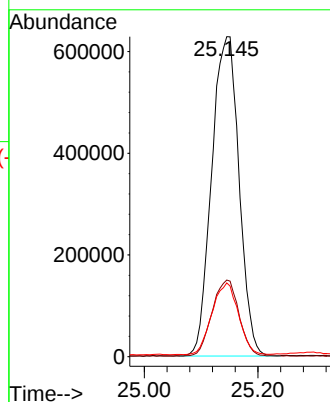
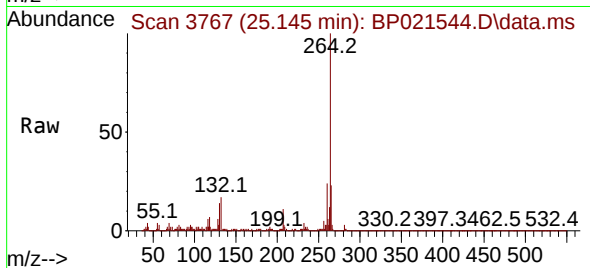
Tgt Ion:264 Resp: 2098923

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 23.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.889 ng

RT: 29.039 min Scan# 4429

Delta R.T. 0.047 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

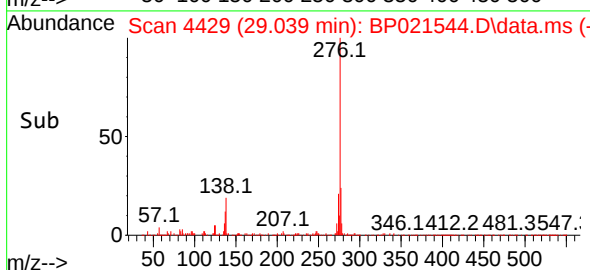
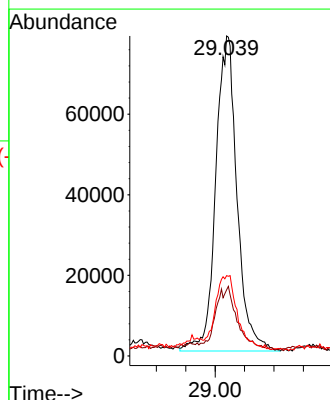
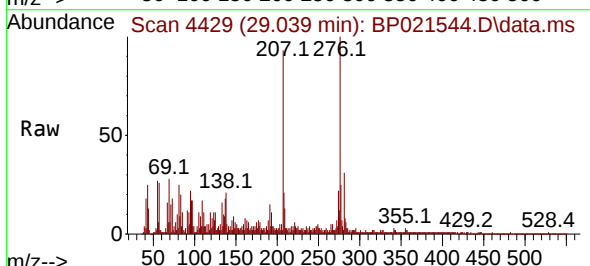
Tgt Ion:276 Resp: 393006

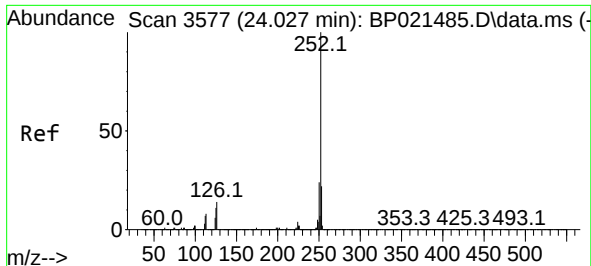
Ion Ratio Lower Upper

276 100

138 6.3 12.8 19.2#

277 22.7 16.5 24.7

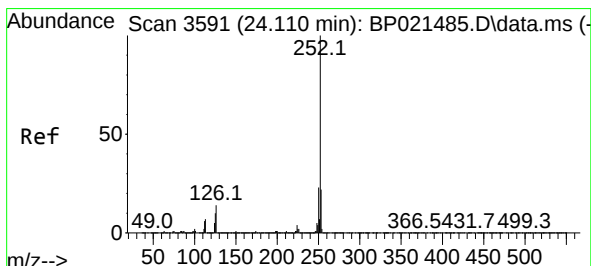
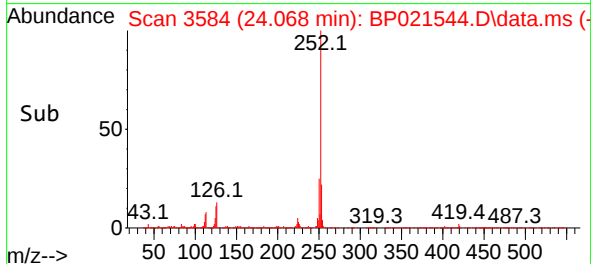
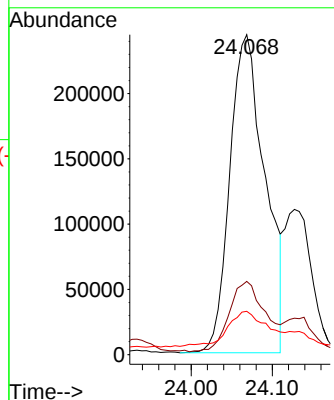
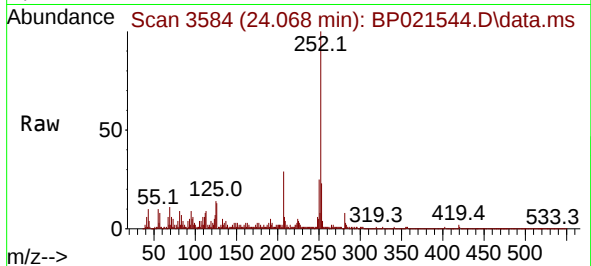




#88
Benzo(b)fluoranthene
Concen: 6.108 ng
RT: 24.068 min Scan# 31
Delta R.T. 0.041 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

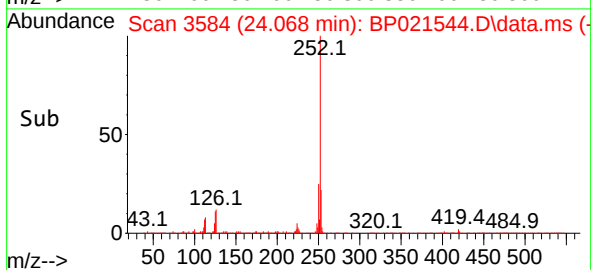
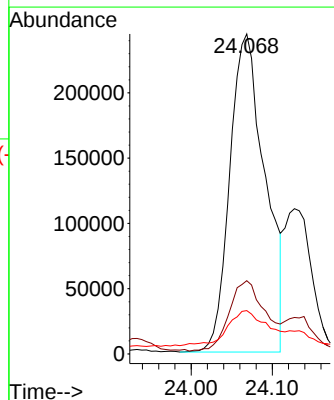
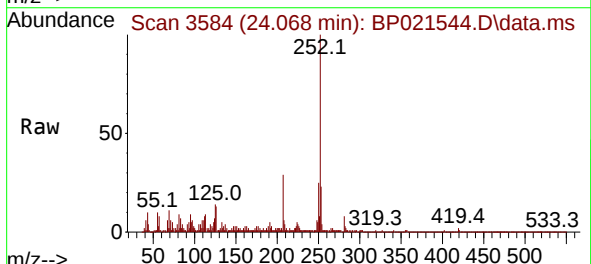
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE

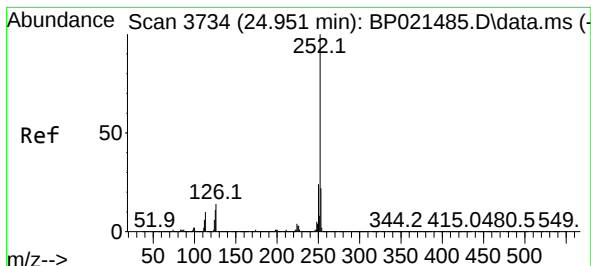
Tgt Ion:252 Resp: 736278
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 13.5 8.6 13.0#



#89
Benzo(k)fluoranthene
Concen: 6.261 ng
RT: 24.068 min Scan# 3584
Delta R.T. -0.041 min
Lab File: BP021544.D
Acq: 16 Aug 2024 18:05

Tgt Ion:252 Resp: 736278
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 13.5 7.8 11.8#





#90

Benzo(a)pyrene

Concen: 4.993 ng

RT: 24.974 min Scan# 31

Delta R.T. 0.023 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

Instrument :

BNA_P

ClientSampleId :

OU4-TS-18-080724RE

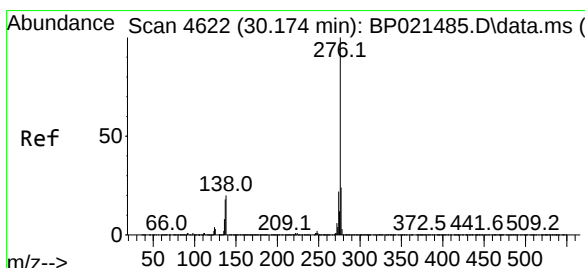
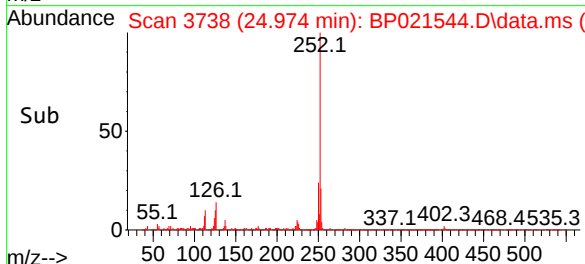
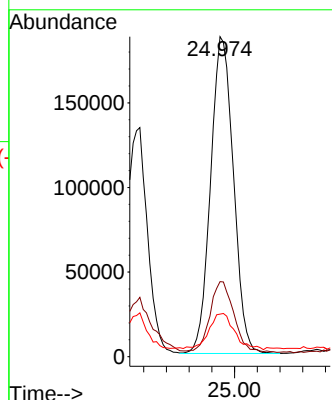
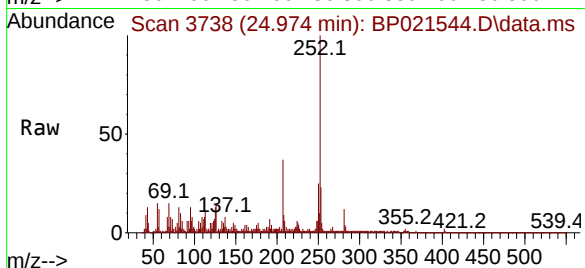
Tgt Ion:252 Resp: 522317

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 13.3 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 3.216 ng

RT: 30.250 min Scan# 4635

Delta R.T. 0.076 min

Lab File: BP021544.D

Acq: 16 Aug 2024 18:05

Tgt Ion:276 Resp: 364385

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.6

138 20.5 16.0 24.0

