

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
 Data File : BP021494.D
 Acq On : 14 Aug 2024 10:42
 Operator : RC/JU
 Sample : PB162517BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB162517BL

Quant Time: Aug 14 11:55:20 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)

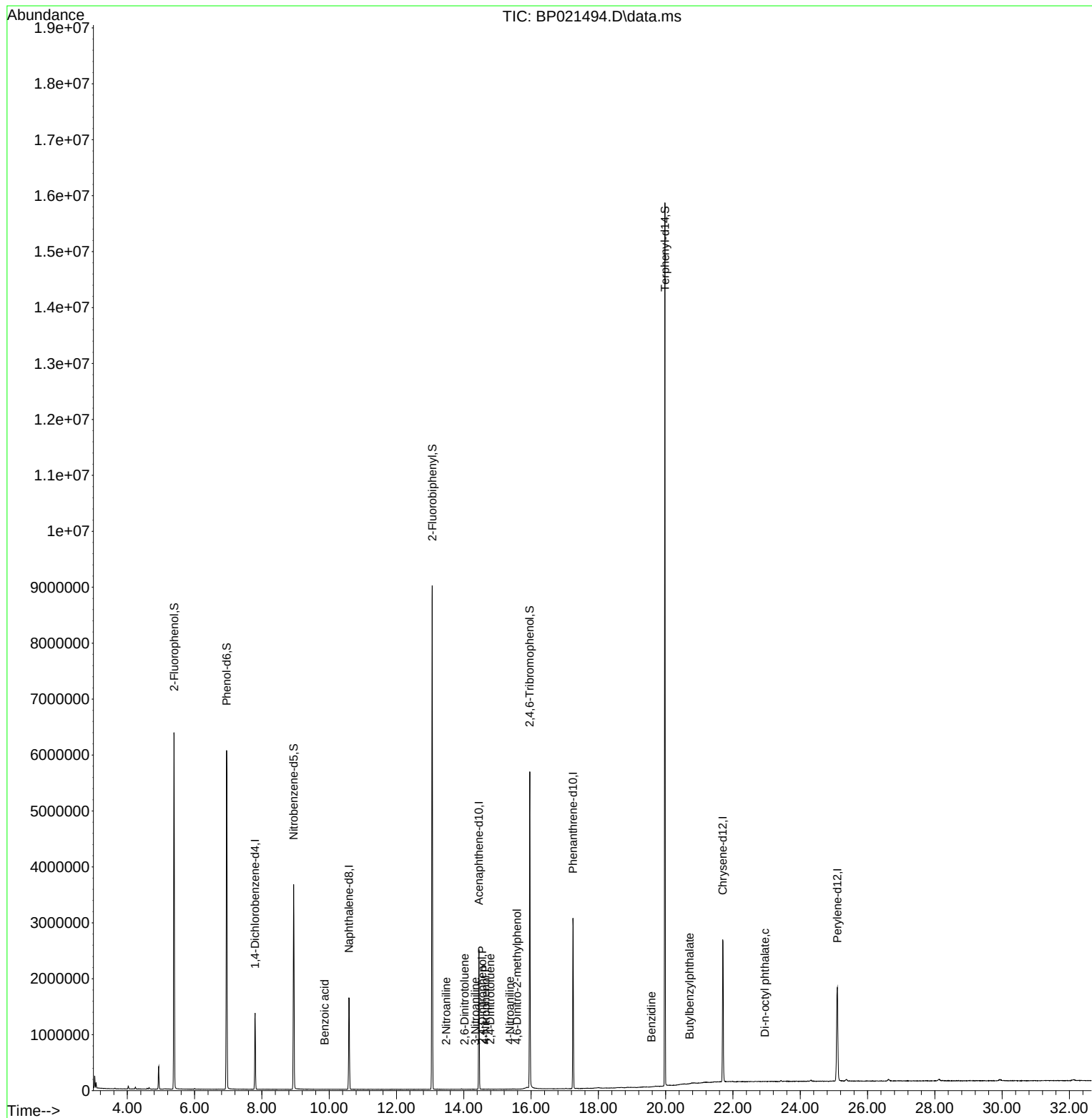
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	327682	20.000	ng	-0.01
21) Naphthalene-d8	10.587	136	1275976	20.000	ng	-0.01
39) Acenaphthene-d10	14.451	164	808257	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	1709991	20.000	ng	0.00
76) Chrysene-d12	21.698	240	1483460	20.000	ng	0.00
86) Perylene-d12	25.104	264	1650307	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2814735	127.547	ng	0.00
7) Phenol-d6	6.952	99	3854917	119.746	ng	-0.01
23) Nitrobenzene-d5	8.946	82	2244782	90.805	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1027183	114.188	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	4370960	82.533	ng	0.00
79) Terphenyl-d14	19.980	244	6888854	90.216	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.704	139	66	Below Cal	#	20
32) Benzoic acid	9.869	122	40	3.325 ng	#	1
48) 2-Nitroaniline	13.475	65	116	5.156 ng	#	48
51) 2,6-Dinitrotoluene	14.022	165	142	3.998 ng	#	16
53) 3-Nitroaniline	14.345	138	31	3.972 ng	#	1
54) 2,4-Dinitrophenol	14.545	184	17	2.439 ng	#	1
56) 4-Nitrophenol	14.645	139	35	5.082 ng	#	1
57) 2,4-Dinitrotoluene	14.792	165	171	5.033 ng	#	63
62) 4-Nitroaniline	15.369	138	22	2.937 ng	#	84
65) 4,6-Dinitro-2-methylph...	15.581	198	57	4.620 ng	#	1
77) Benzidine	19.580	184	289	4.579 ng	#	80
80) Butylbenzylphthalate	20.710	149	492	3.615 ng	#	69
85) Di-n-octyl phthalate	22.951	149	482	4.841 ng	#	1

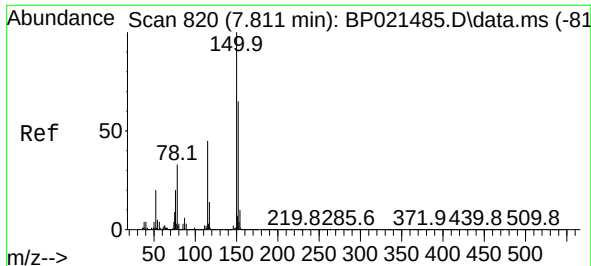
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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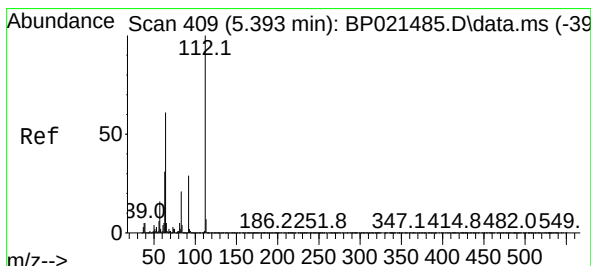
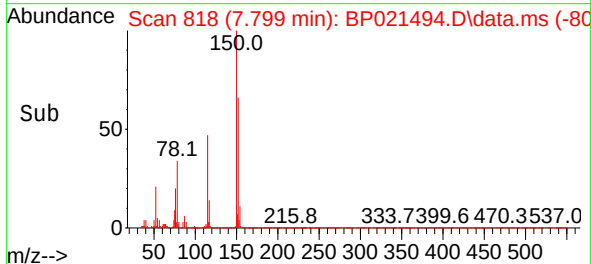
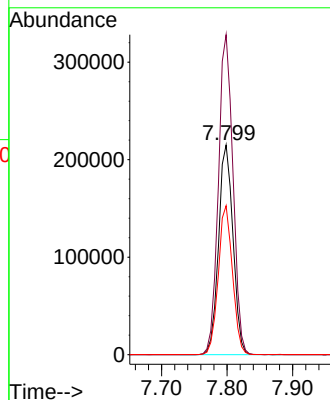
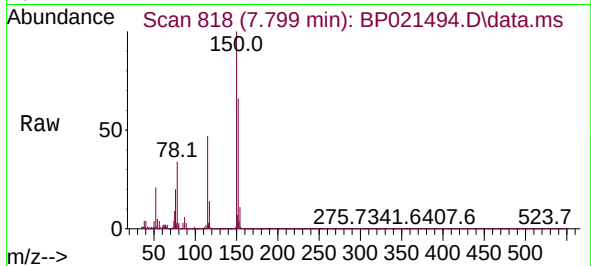




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP021494.D
Acq: 14 Aug 2024 10:42

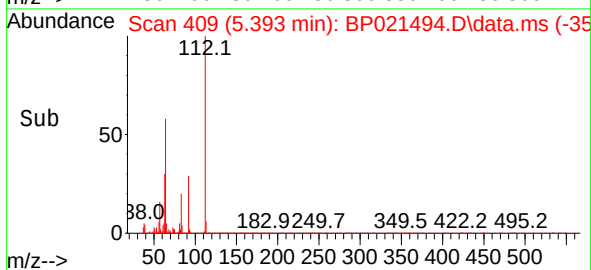
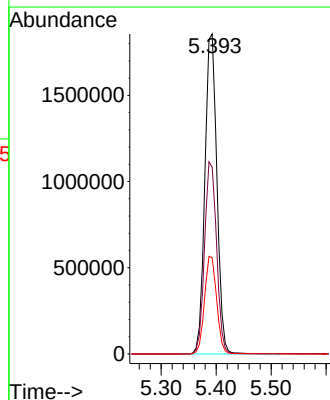
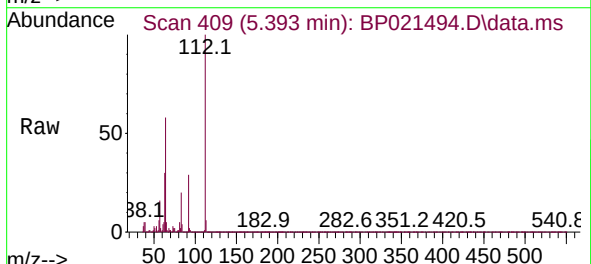
Instrument :
BNA_P
ClientSampleId :
PB162517BL

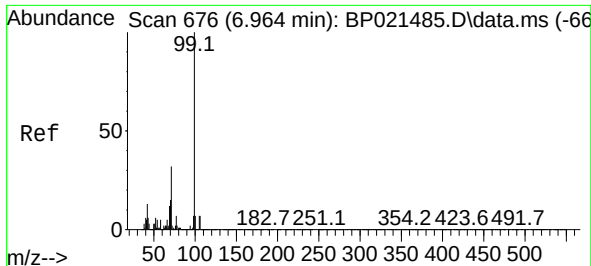
Tgt Ion:152 Resp: 327682
Ion Ratio Lower Upper
152 100
150 152.6 122.4 183.6
115 71.1 54.7 82.1



#5
2-Fluorophenol
Concen: 127.547 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021494.D
Acq: 14 Aug 2024 10:42

Tgt Ion:112 Resp: 2814735
Ion Ratio Lower Upper
112 100
64 58.3 49.0 73.6
63 30.0 24.6 36.8

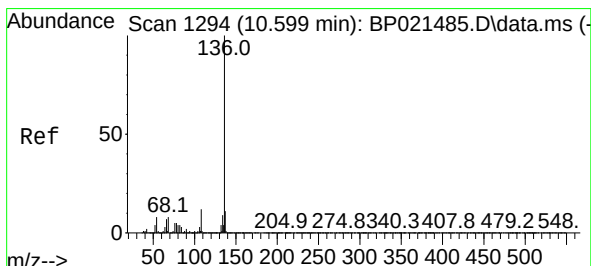
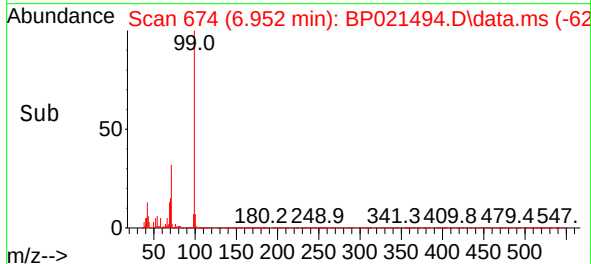
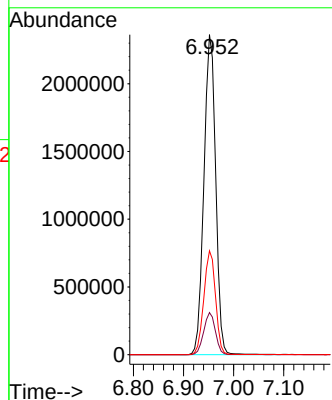
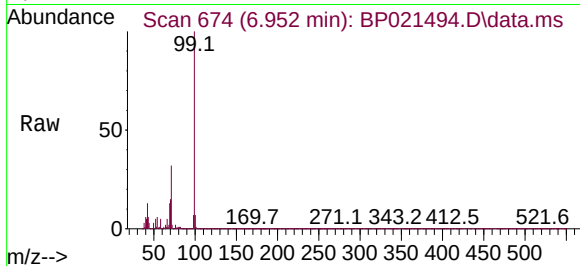




#7
Phenol-d6
Concen: 119.746 ng
RT: 6.952 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP021494.D
Acq: 14 Aug 2024 10:42

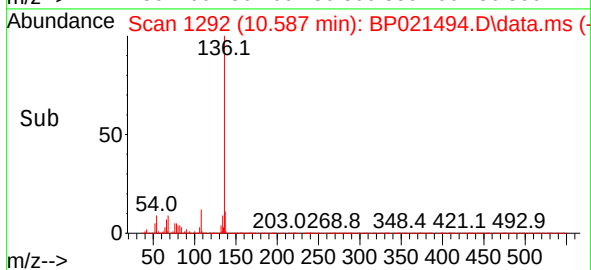
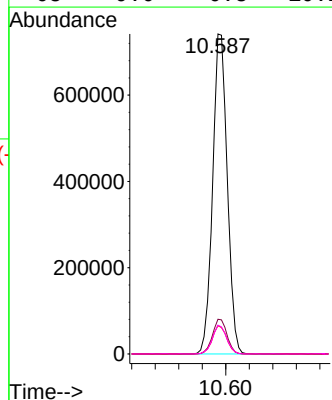
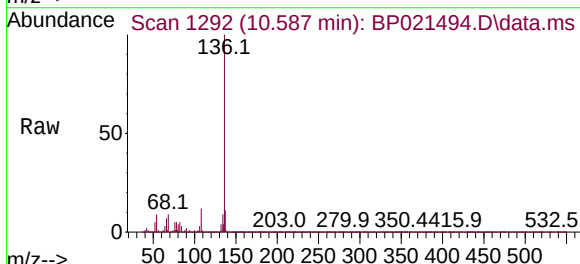
Instrument :
BNA_P
ClientSampleId :
PB162517BL

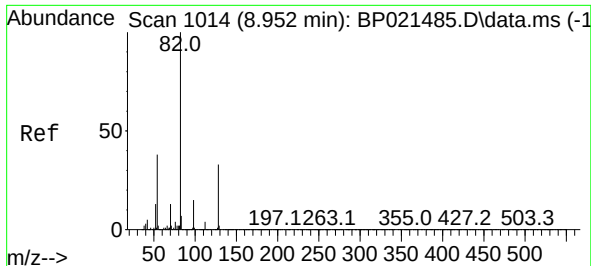
Tgt Ion: 99 Resp: 3854917
Ion Ratio Lower Upper
99 100
42 13.2 10.2 15.4
71 32.5 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BP021494.D
Acq: 14 Aug 2024 10:42

Tgt Ion: 136 Resp: 1275976
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.9 6.3 9.5
68 9.0 6.8 10.2





#23

Nitrobenzene-d5

Concen: 90.805 ng

RT: 8.946 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

Instrument :

BNA_P

ClientSampleId :

PB162517BL

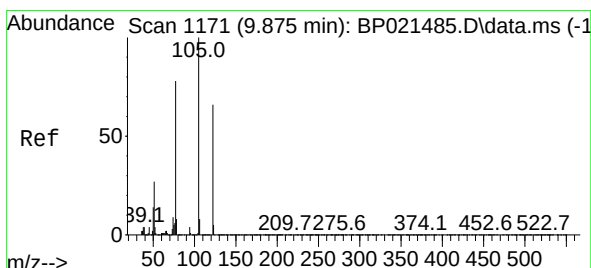
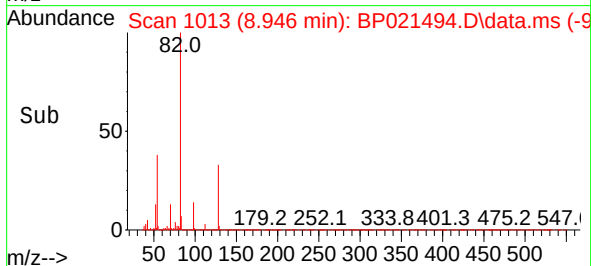
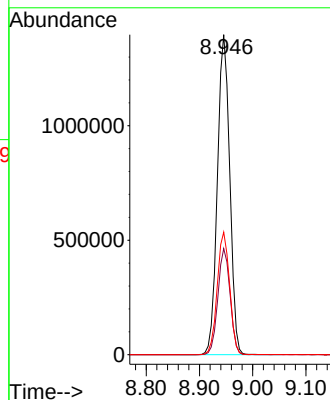
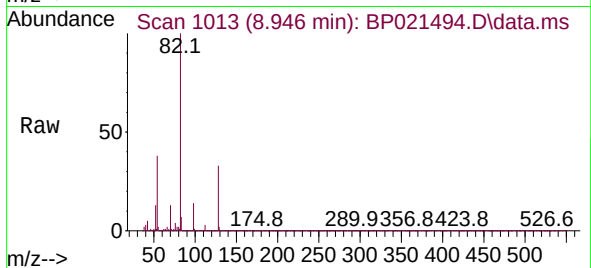
Tgt Ion: 82 Resp: 2244782

Ion Ratio Lower Upper

82 100

128 33.2 26.5 39.7

54 38.3 30.3 45.5



#32

Benzoic acid

Concen: 3.325 ng

RT: 9.869 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

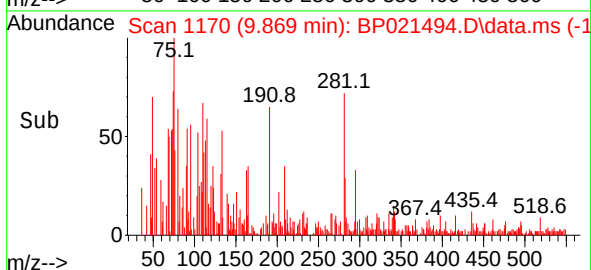
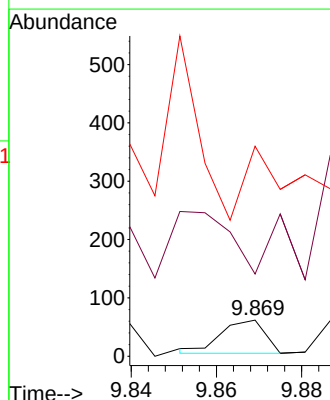
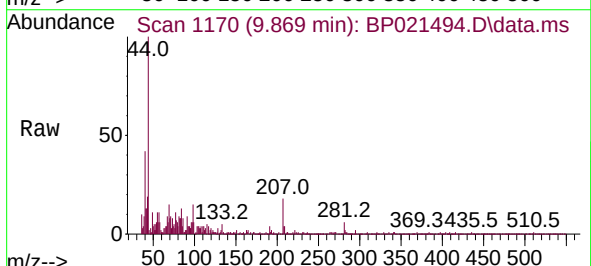
Tgt Ion: 122 Resp: 40

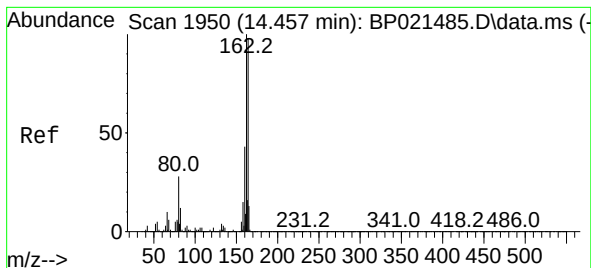
Ion Ratio Lower Upper

122 100

105 227.4 124.6 164.6#

77 580.6 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: BP021494.D

Acq: 14 Aug 2024 10:42

Instrument :

BNA_P

ClientSampleId :

PB162517BL

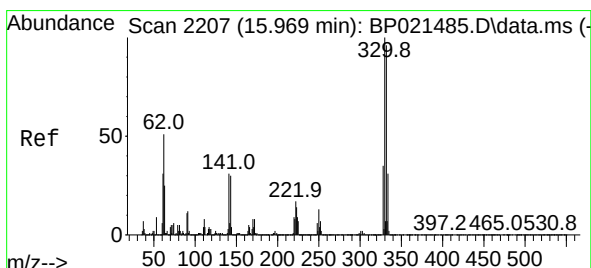
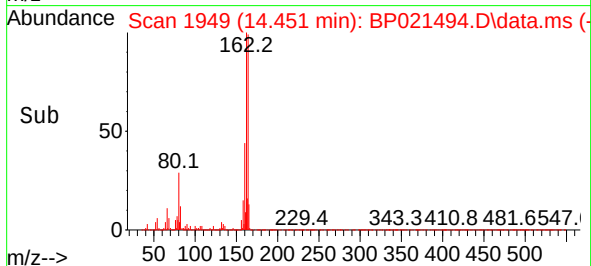
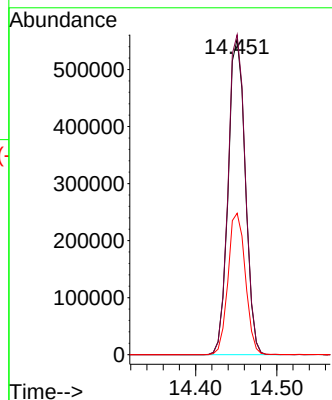
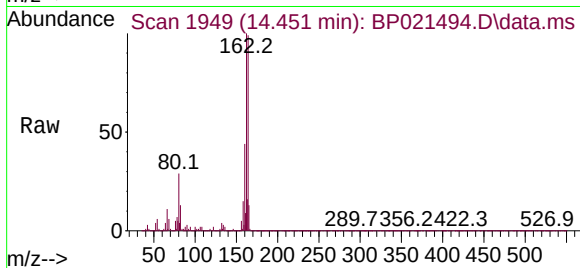
Tgt Ion:164 Resp: 808257

Ion Ratio Lower Upper

164 100

162 101.5 81.5 122.3

160 44.9 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 114.188 ng

RT: 15.963 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

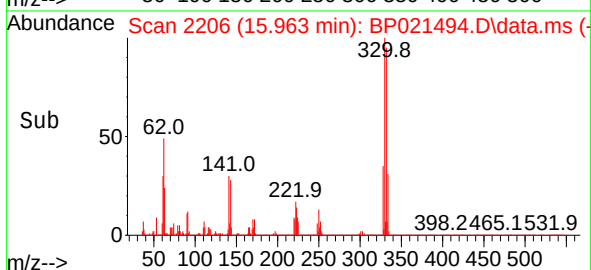
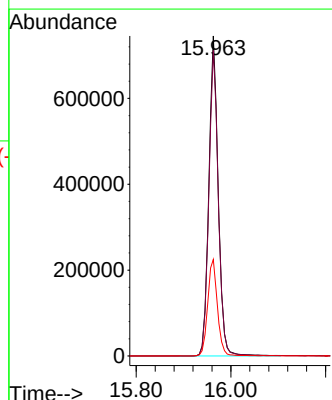
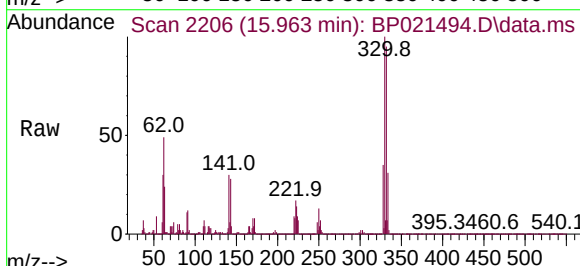
Tgt Ion:330 Resp: 1027183

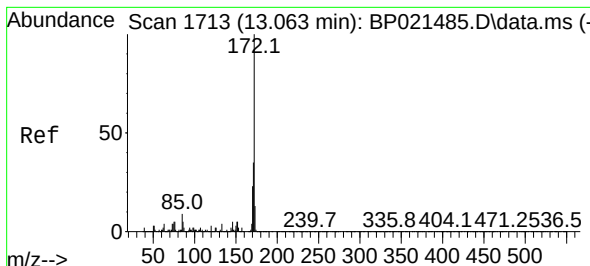
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

141 31.2 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 82.533 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

Instrument :

BNA_P

ClientSampleId :

PB162517BL

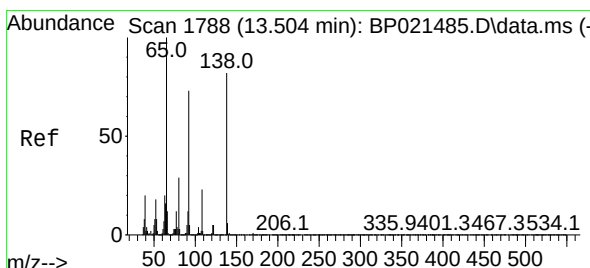
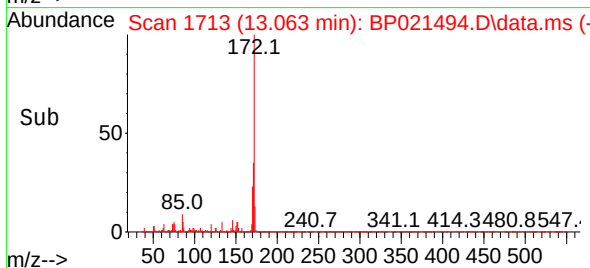
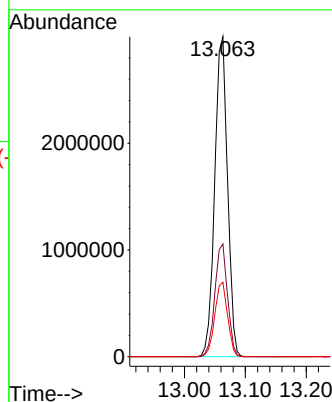
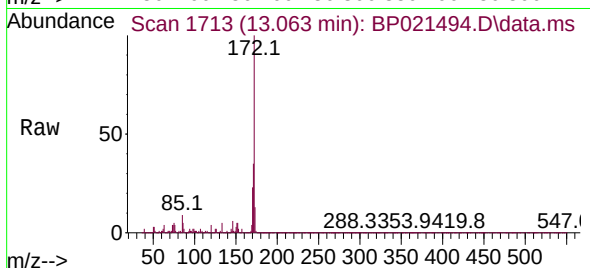
Tgt Ion:172 Resp: 4370960

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.3 18.4 27.6



#48

2-Nitroaniline

Concen: 5.156 ng

RT: 13.475 min Scan# 1783

Delta R.T. -0.029 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

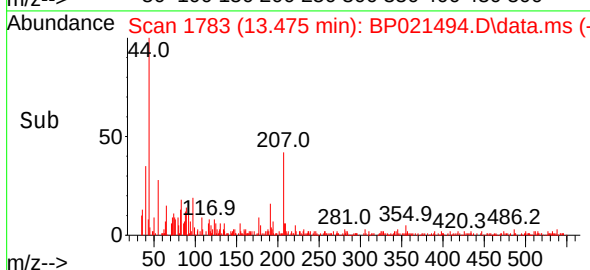
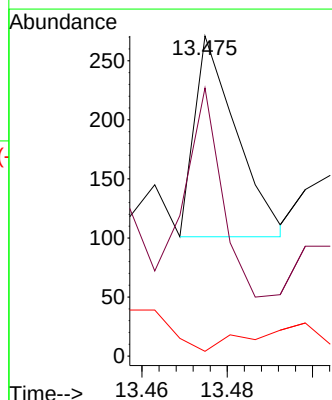
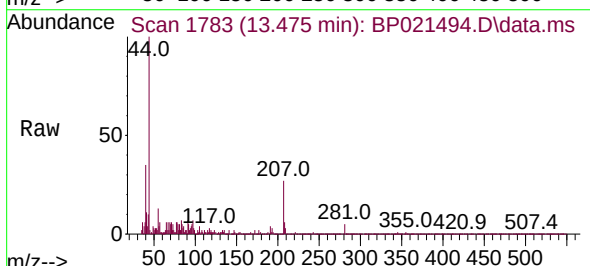
Tgt Ion: 65 Resp: 116

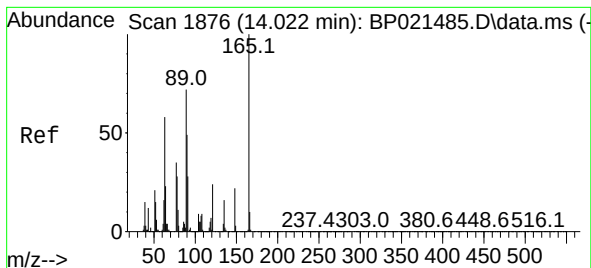
Ion Ratio Lower Upper

65 100

92 83.8 58.1 87.1

138 5.2 65.5 98.3#





#51

2,6-Dinitrotoluene

Concen: 3.998 ng

RT: 14.022 min Scan# 1876

Delta R.T. -0.000 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

Instrument :

BNA_P

ClientSampleId :

PB162517BL

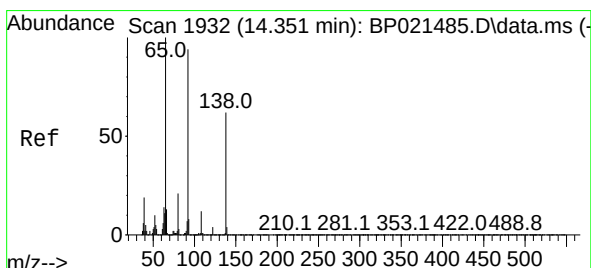
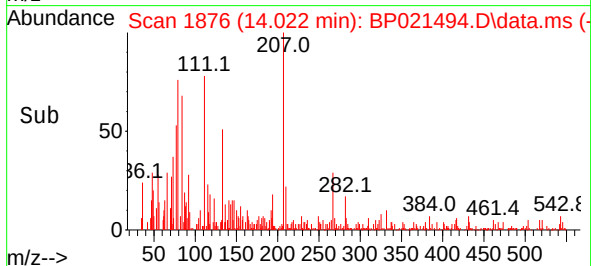
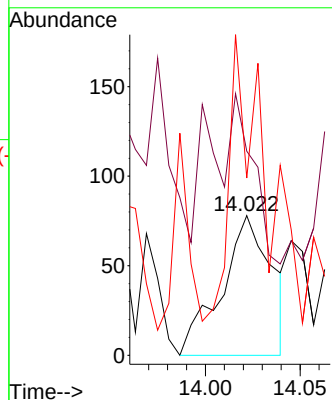
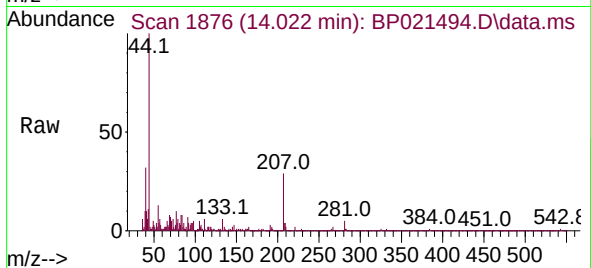
Tgt Ion:165 Resp: 142

Ion Ratio Lower Upper

165 100

63 146.2 51.5 77.3#

89 126.9 57.8 86.8#



#53

3-Nitroaniline

Concen: 3.972 ng

RT: 14.345 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

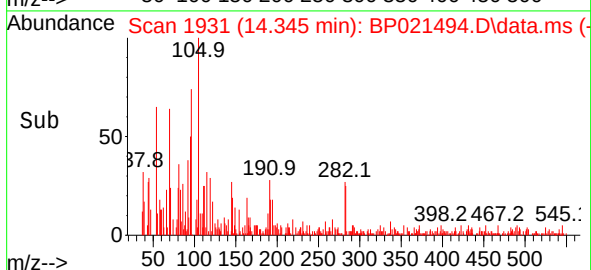
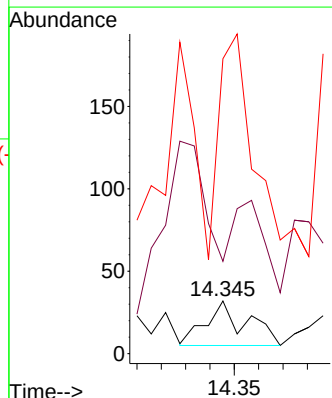
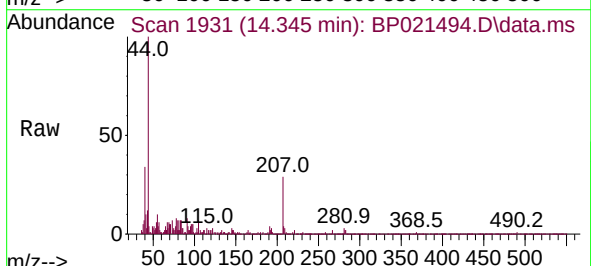
Tgt Ion:138 Resp: 31

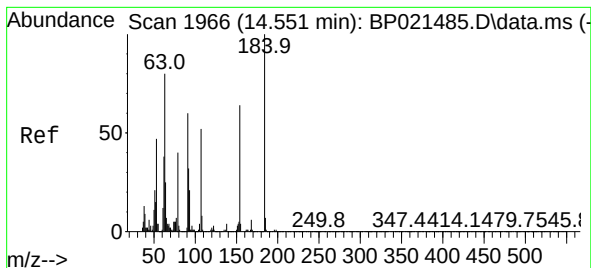
Ion Ratio Lower Upper

138 100

108 193.8 16.2 24.4#

92 559.4 122.2 183.4#





#54

2,4-Dinitrophenol

Concen: 2.439 ng

RT: 14.545 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

Instrument :

BNA_P

ClientSampleId :

PB162517BL

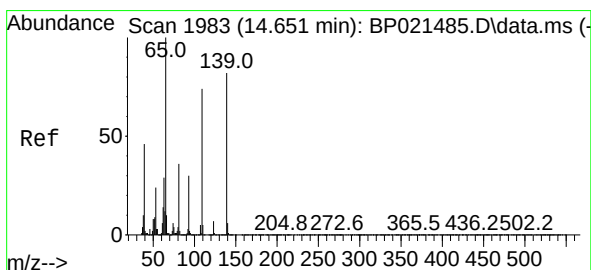
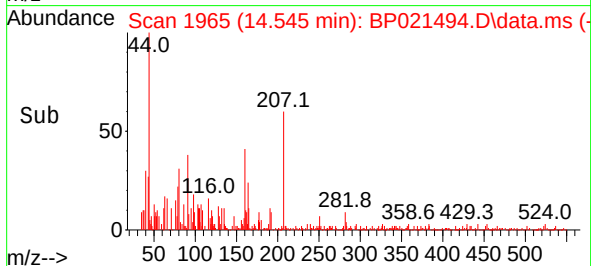
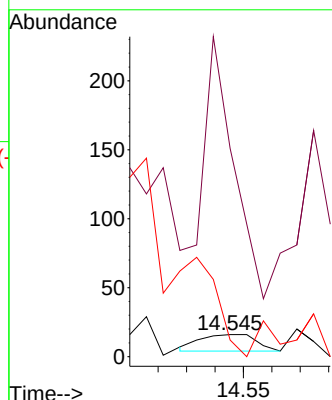
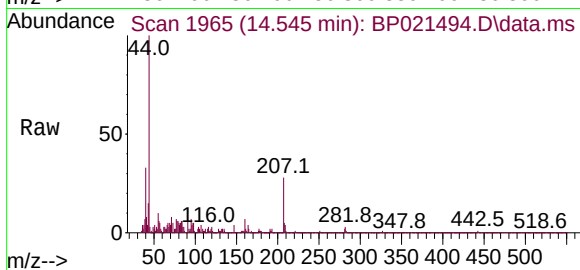
Tgt Ion:184 Resp: 17

Ion Ratio Lower Upper

184 100

63 943.8 64.9 97.3#

154 75.0 52.1 78.1



#56

4-Nitrophenol

Concen: 5.082 ng

RT: 14.645 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

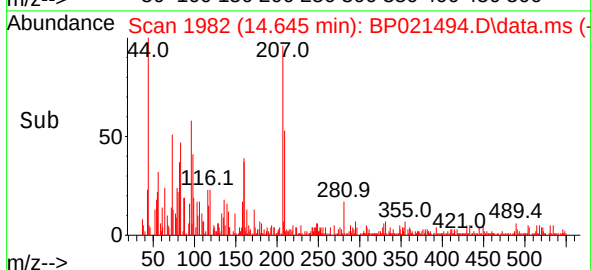
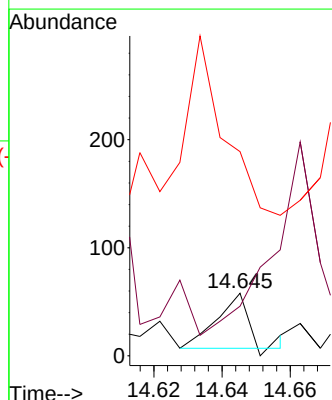
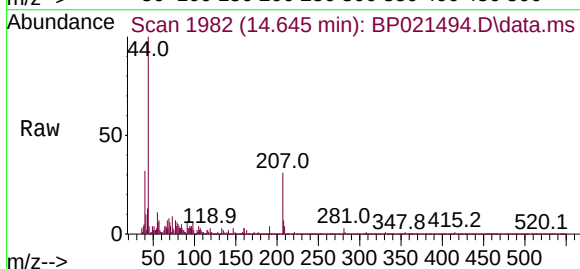
Tgt Ion:139 Resp: 35

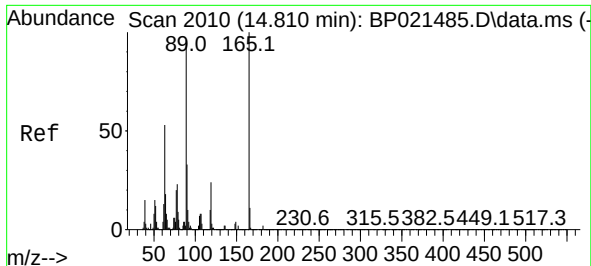
Ion Ratio Lower Upper

139 100

109 113.8 70.2 110.2#

65 325.9 101.8 141.8#

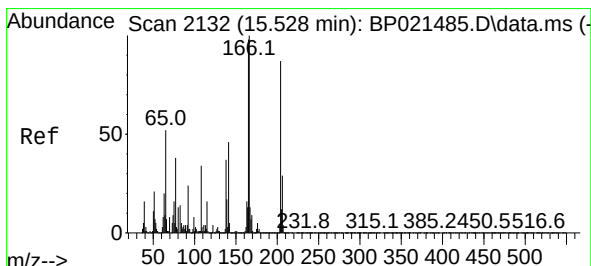
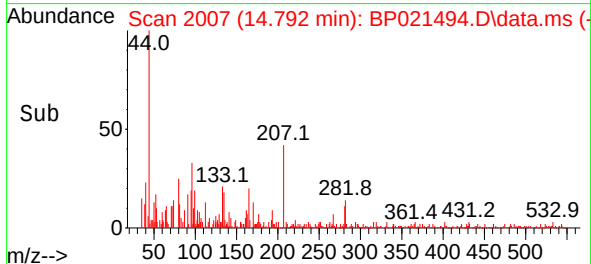
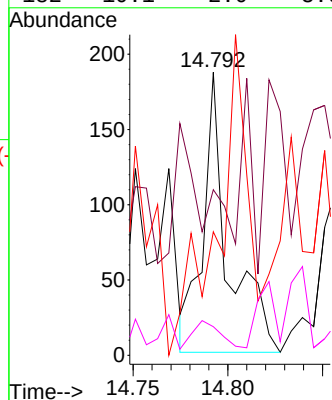
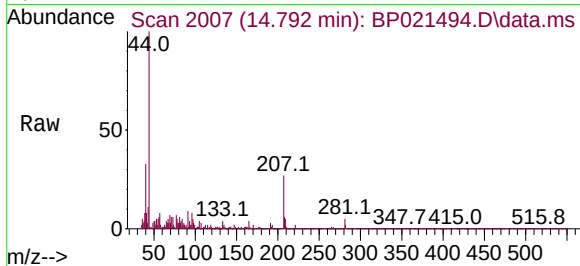




#57
2,4-Dinitrotoluene
Concen: 5.033 ng
RT: 14.792 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BP021494.D
Acq: 14 Aug 2024 10:42

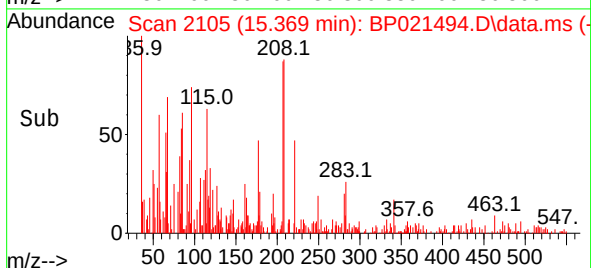
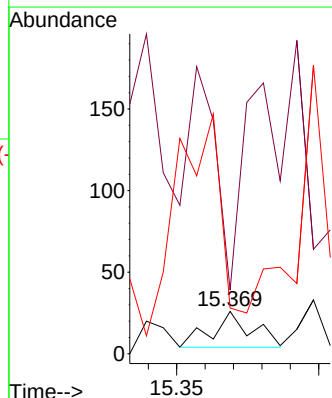
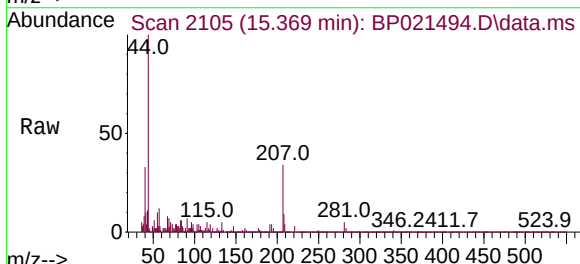
Instrument :
BNA_P
ClientSampleId :
PB162517BL

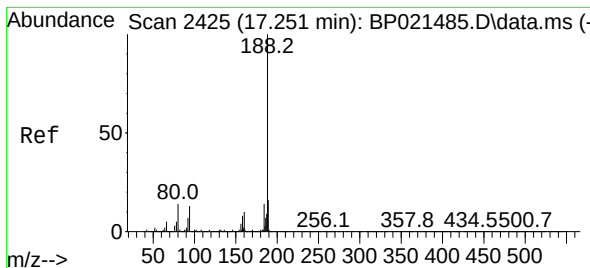
Tgt Ion:165 Resp: 171
Ion Ratio Lower Upper
165 100
63 58.5 42.5 63.7
89 43.6 77.1 115.7#
182 10.1 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.937 ng
RT: 15.369 min Scan# 2105
Delta R.T. -0.159 min
Lab File: BP021494.D
Acq: 14 Aug 2024 10:42

Tgt Ion:138 Resp: 22
Ion Ratio Lower Upper
138 100
92 83.0 46.4 86.4
108 80.9 73.2 113.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.245 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

Instrument :

BNA_P

ClientSampleId :

PB162517BL

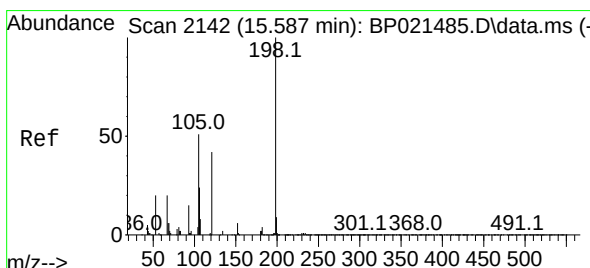
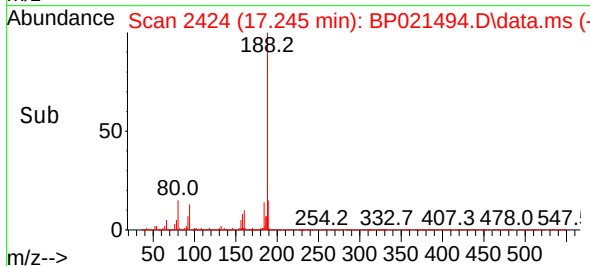
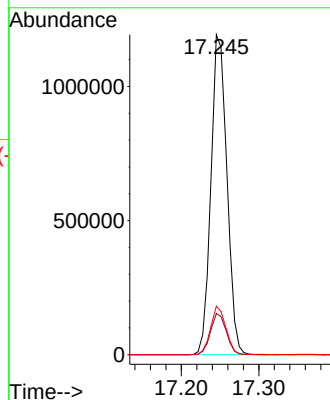
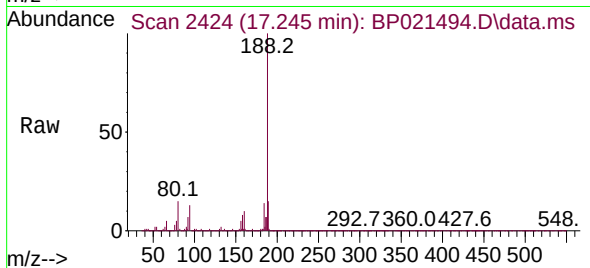
Tgt Ion:188 Resp: 1709991

Ion Ratio Lower Upper

188 100

94 12.8 10.2 15.4

80 15.2 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.620 ng

RT: 15.581 min Scan# 2141

Delta R.T. -0.006 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

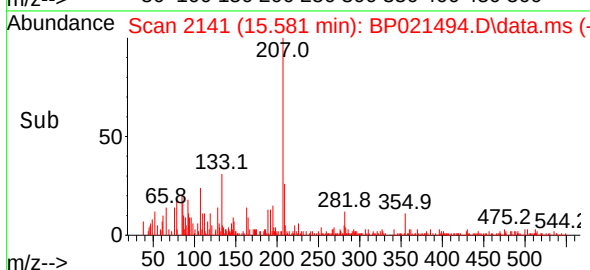
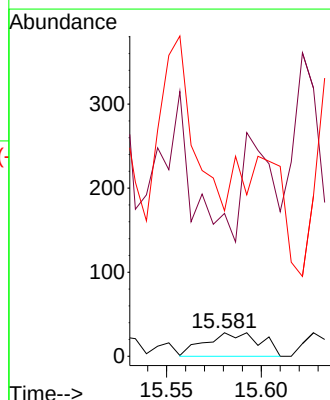
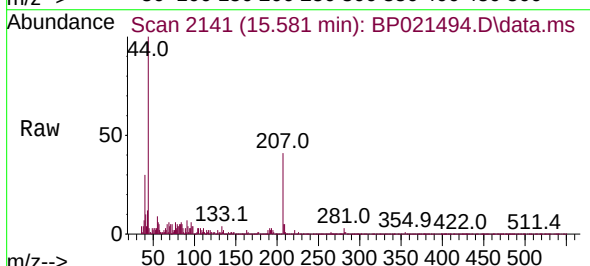
Tgt Ion:198 Resp: 57

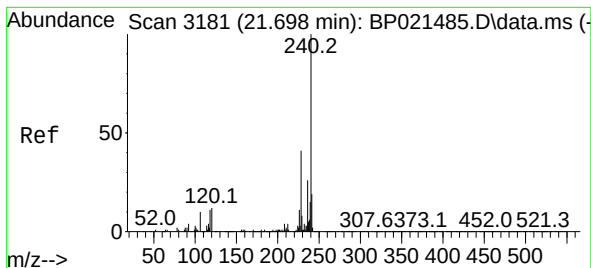
Ion Ratio Lower Upper

198 100

51 607.1 21.5 61.5#

105 617.9 32.9 72.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.698 min Scan# 3181

Delta R.T. -0.000 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

Instrument :

BNA_P

ClientSampleId :

PB162517BL

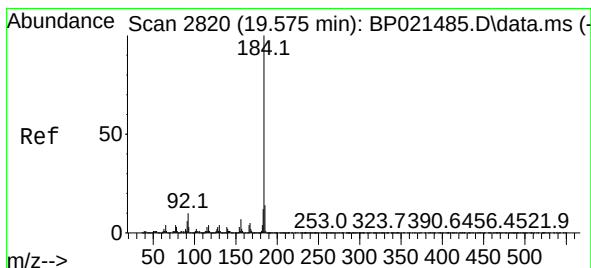
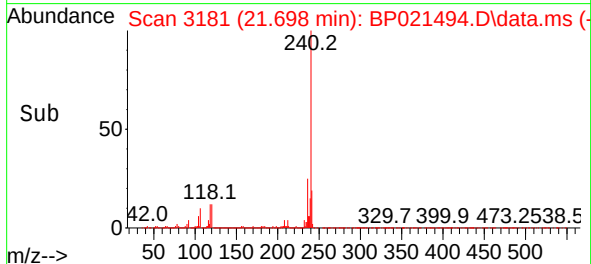
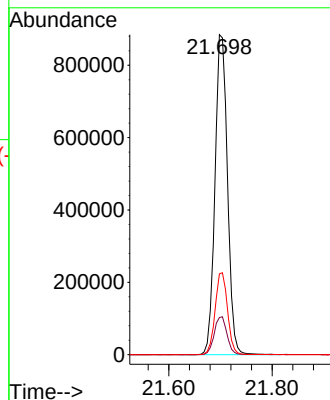
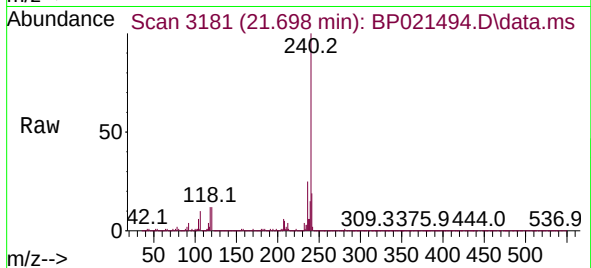
Tgt Ion:240 Resp: 1483460

Ion Ratio Lower Upper

240 100

120 11.6 9.9 14.9

236 25.2 20.6 30.8



#77

Benzidine

Concen: 4.579 ng

RT: 19.580 min Scan# 2821

Delta R.T. 0.005 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

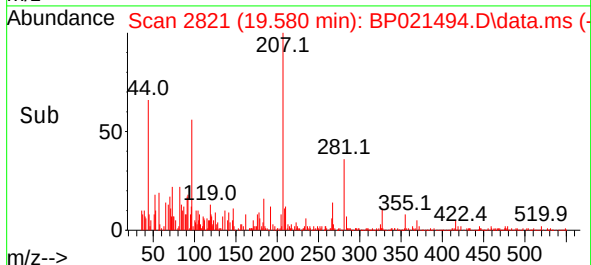
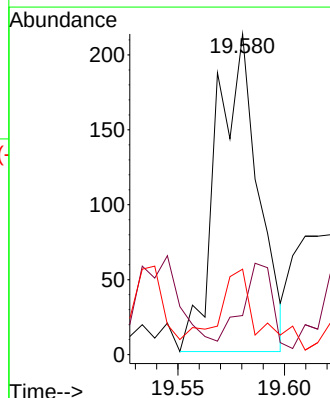
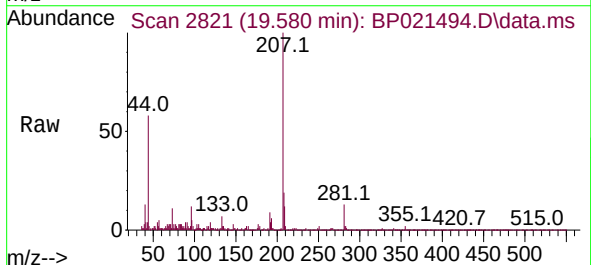
Tgt Ion:184 Resp: 289

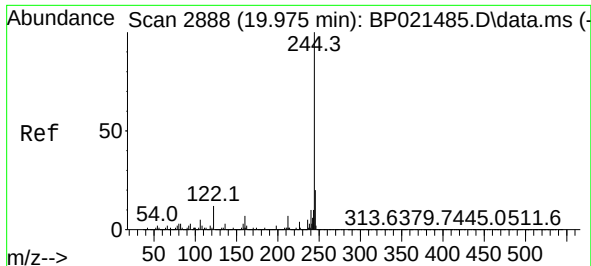
Ion Ratio Lower Upper

184 100

185 12.1 11.4 17.0

183 26.6 9.3 13.9#





#79

Terphenyl-d14

Concen: 90.216 ng

RT: 19.980 min Scan# 2888

Delta R.T. 0.005 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

Instrument :

BNA_P

ClientSampleId :

PB162517BL

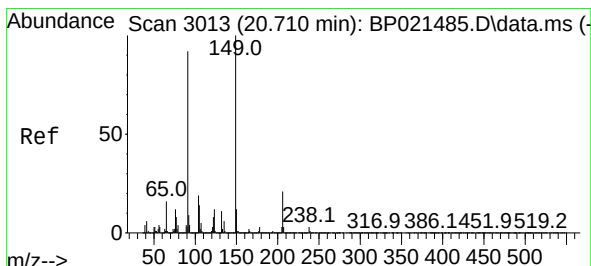
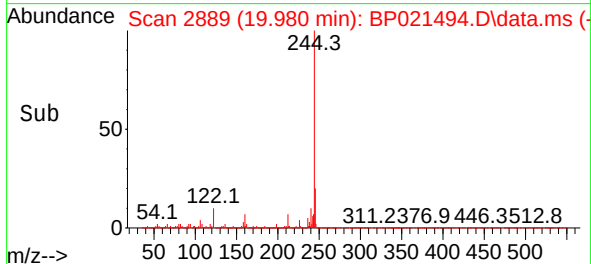
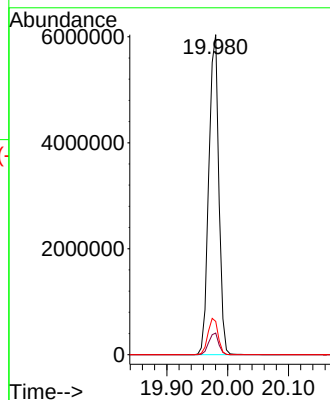
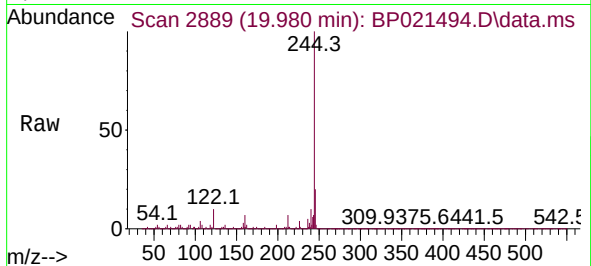
Tgt Ion:244 Resp: 6888854

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.4 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.615 ng

RT: 20.710 min Scan# 3013

Delta R.T. -0.000 min

Lab File: BP021494.D

Acq: 14 Aug 2024 10:42

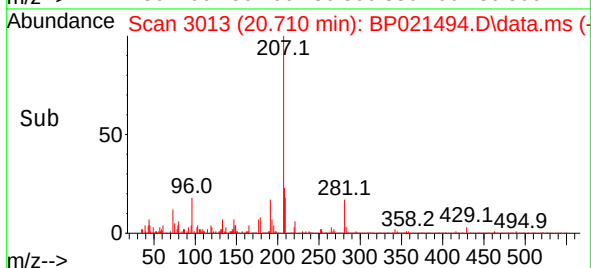
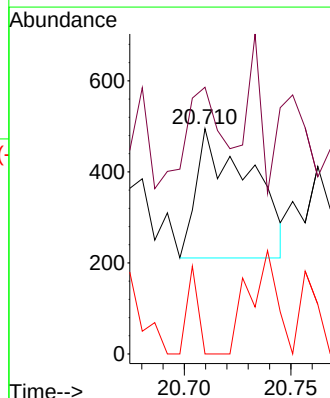
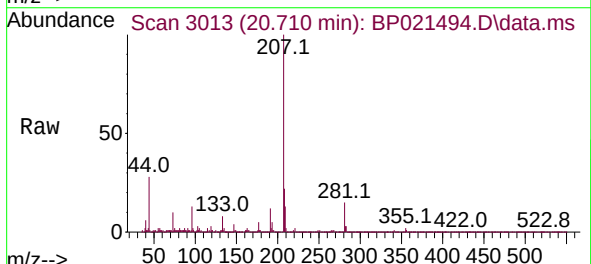
Tgt Ion:149 Resp: 492

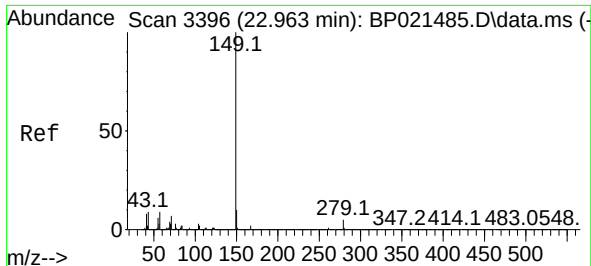
Ion Ratio Lower Upper

149 100

91 118.4 73.3 109.9#

206 0.0 17.1 25.7#

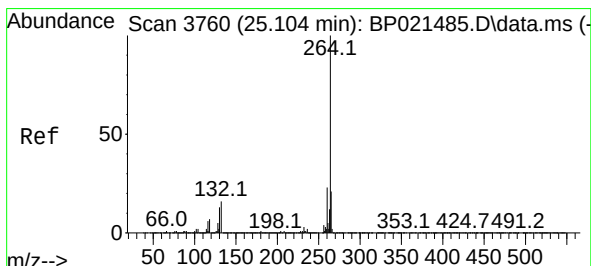
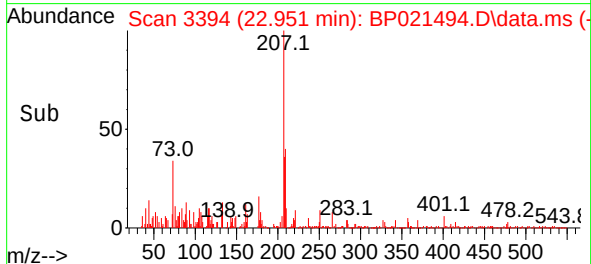
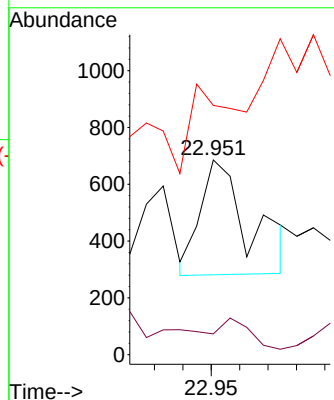
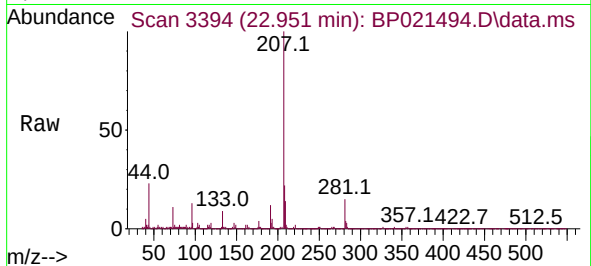




#85
Di-n-octyl phthalate
Concen: 4.841 ng
RT: 22.951 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BP021494.D
Acq: 14 Aug 2024 10:42

Instrument :
BNA_P
ClientSampleId :
PB162517BL

Tgt Ion:149 Resp: 482
Ion Ratio Lower Upper
149 100
167 14.7 1.3 1.9#
43 73.2 7.3 10.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.104 min Scan# 3760
Delta R.T. -0.000 min
Lab File: BP021494.D
Acq: 14 Aug 2024 10:42

Tgt Ion:264 Resp: 1650307
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.9 17.1 25.7

