

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
 Data File : BP021523.D
 Acq On : 15 Aug 2024 21:30
 Operator : RC/JU
 Sample : P3573-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-856-J-S0-2-2.5-080924

Quant Time: Aug 16 01:30:48 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)

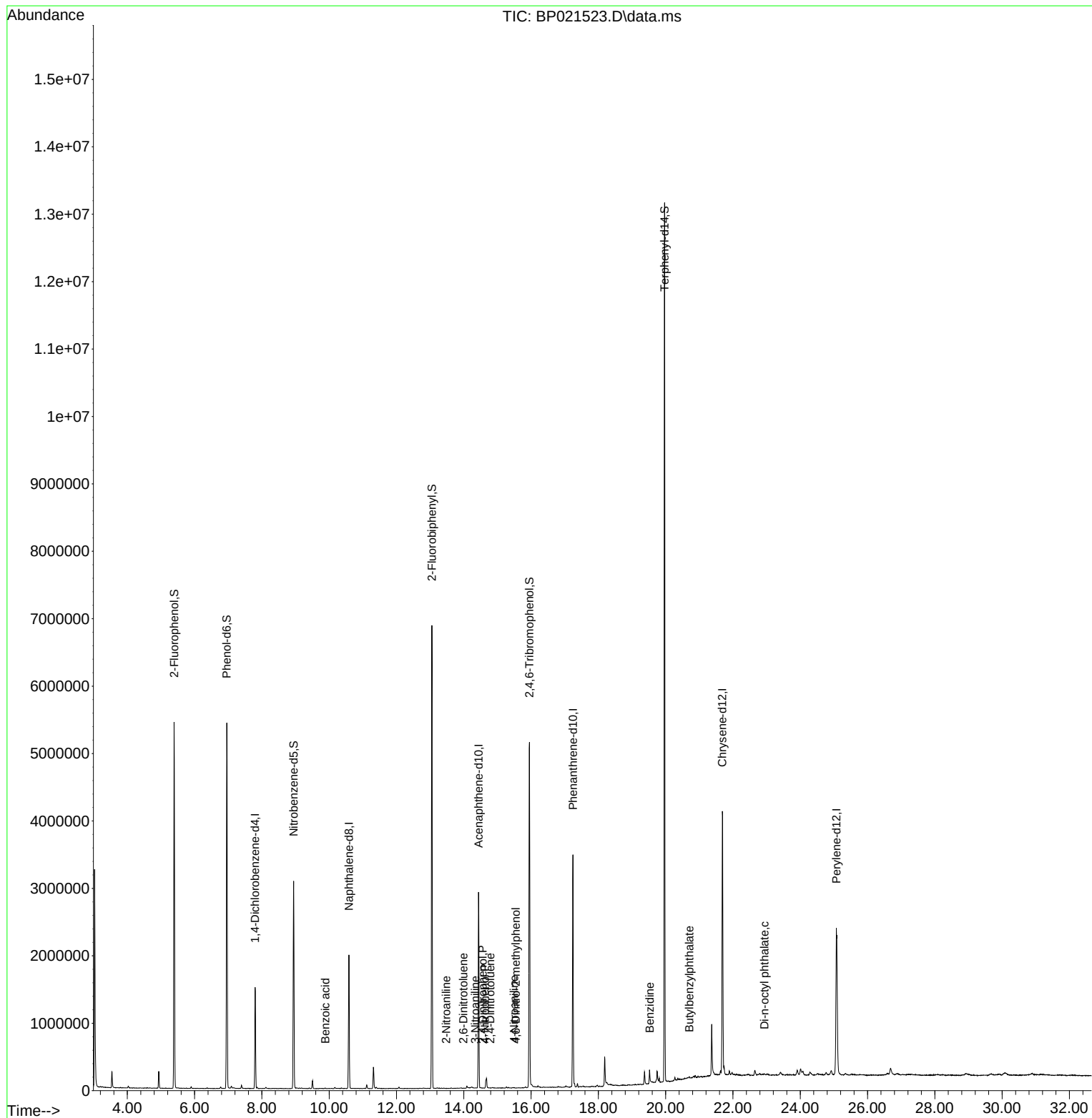
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	387937	20.000	ng	-0.01
21) Naphthalene-d8	10.587	136	1532011	20.000	ng	-0.01
39) Acenaphthene-d10	14.439	164	962989	20.000	ng	-0.02
64) Phenanthrene-d10	17.245	188	2109882	20.000	ng	0.00
76) Chrysene-d12	21.686	240	2262812	20.000	ng	-0.01
86) Perylene-d12	25.074	264	2267823	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2458971	94.119	ng	0.00
7) Phenol-d6	6.957	99	3487082	91.496	ng	0.00
23) Nitrobenzene-d5	8.946	82	2006956	67.616	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1142376	106.588	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3559689	56.414	ng	-0.01
79) Terphenyl-d14	19.969	244	6507045	55.866	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.693	139	64	Below Cal	#	1
32) Benzoic acid	9.887	122	41	3.324 ng	#	1
48) 2-Nitroaniline	13.475	65	129	5.155 ng	#	60
51) 2,6-Dinitrotoluene	13.986	165	265	4.004 ng	#	52
53) 3-Nitroaniline	14.345	138	44	3.972 ng	#	1
54) 2,4-Dinitrophenol	14.563	184	41	2.448 ng	#	1
56) 4-Nitrophenol	14.628	139	175	5.094 ng		89
57) 2,4-Dinitrotoluene	14.792	165	185	5.032 ng	#	58
62) 4-Nitroaniline	15.498	138	241	2.952 ng	#	29
65) 4,6-Dinitro-2-methylph...	15.551	198	19	4.610 ng	#	1
77) Benzidine	19.533	184	359	4.578 ng	#	1
80) Butylbenzylphthalate	20.704	149	3638	3.662 ng	#	74
85) Di-n-octyl phthalate	22.939	149	13609	4.919 ng	#	67

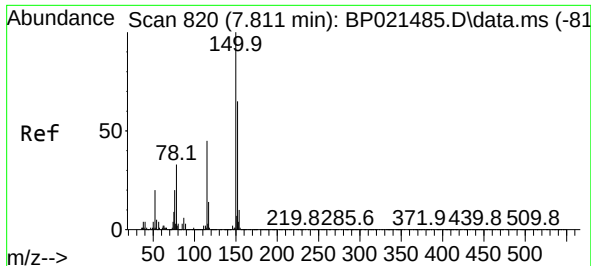
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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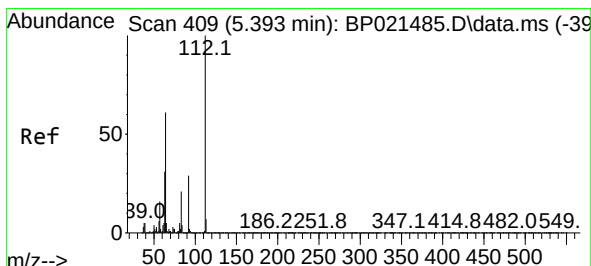
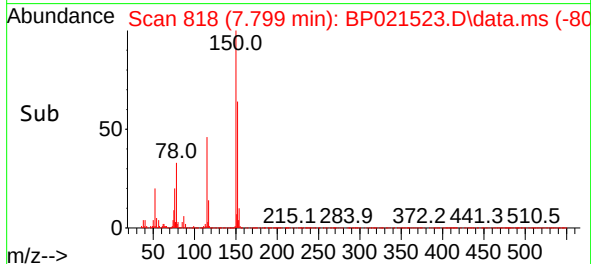
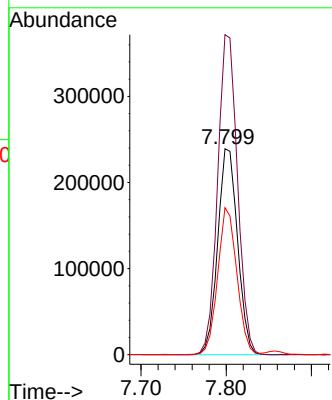
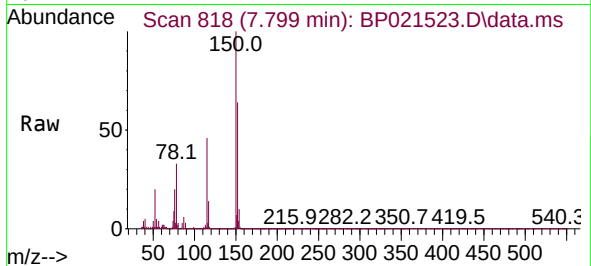




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

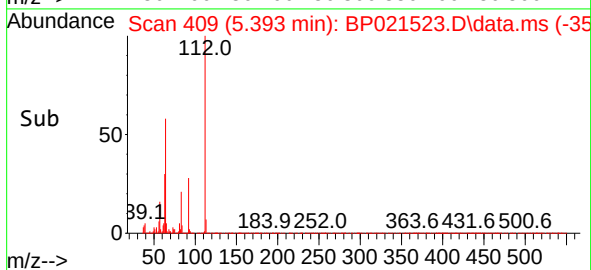
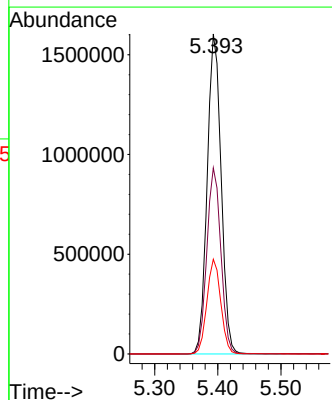
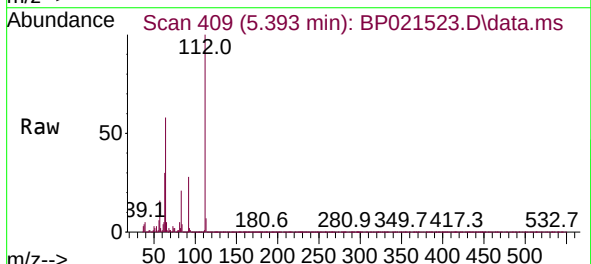
Instrument :
BNA_P
ClientSampleId :
S-856-J-S0-2-2.5-080924

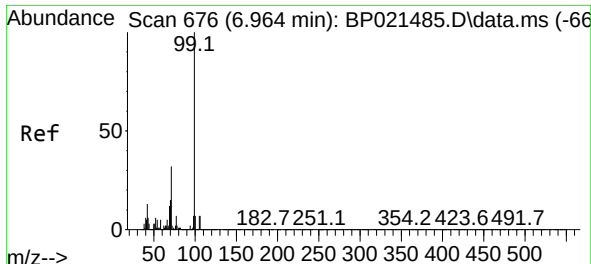
Tgt Ion:152 Resp: 387937
Ion Ratio Lower Upper
152 100
150 155.4 122.4 183.6
115 71.4 54.7 82.1



#5
2-Fluorophenol
Concen: 94.119 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:112 Resp: 2458971
Ion Ratio Lower Upper
112 100
64 58.2 49.0 73.6
63 29.6 24.6 36.8



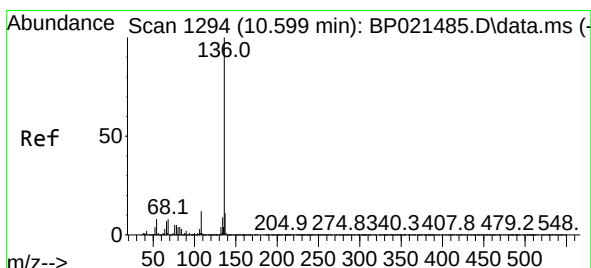
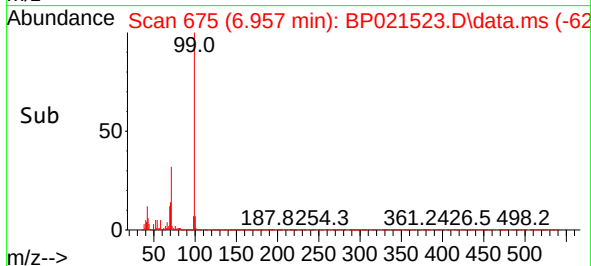
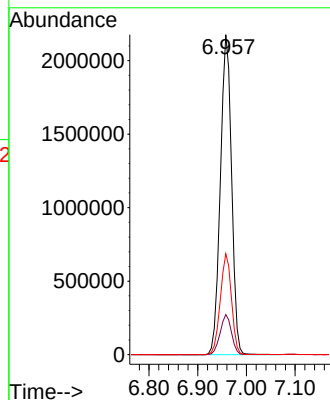
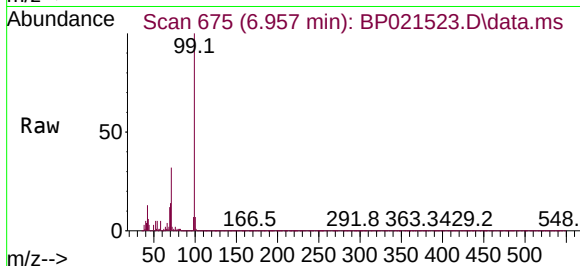


#7
Phenol-d6
Concen: 91.496 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Instrument :
BNA_P
ClientSampleId :
S-856-J-S0-2-2.5-080924

Tgt Ion: 99 Resp: 3487082

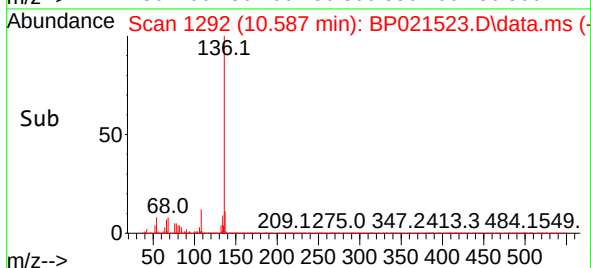
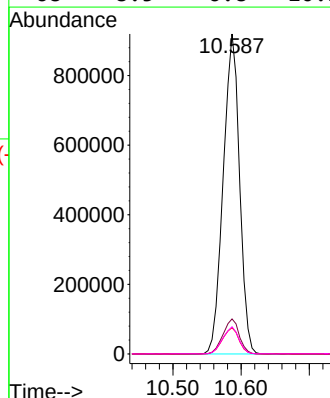
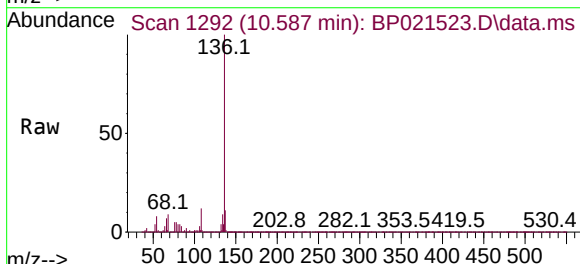
Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	31.6	25.8	38.8

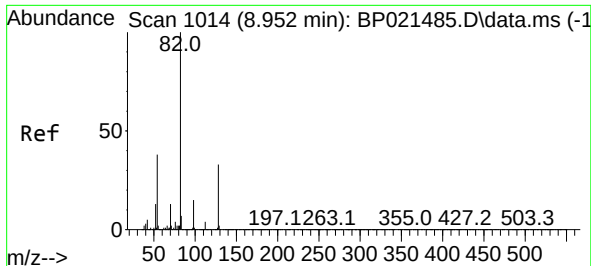


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion: 136 Resp: 1532011

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	6.3	9.5
68	8.5	6.8	10.2





#23

Nitrobenzene-d5

Concen: 67.616 ng

RT: 8.946 min Scan# 110

Delta R.T. -0.006 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

Instrument :

BNA_P

ClientSampleId :

S-856-J-S0-2-2.5-080924

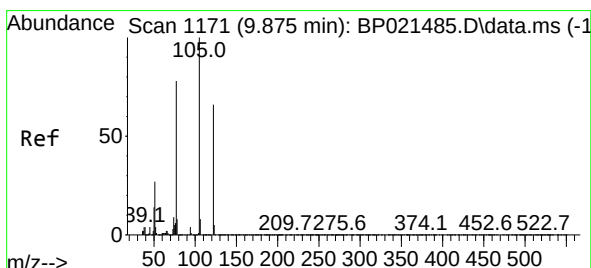
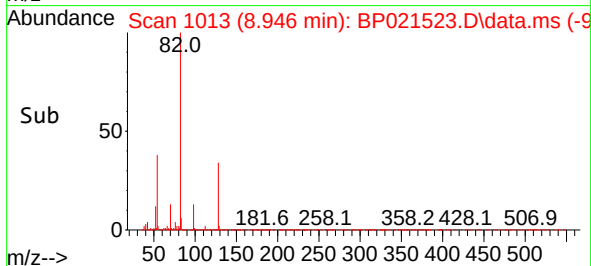
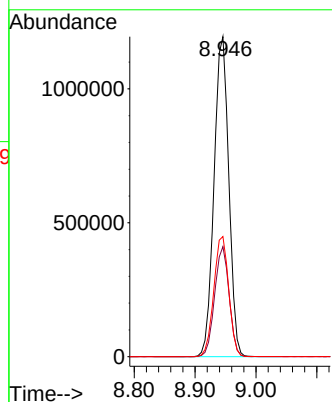
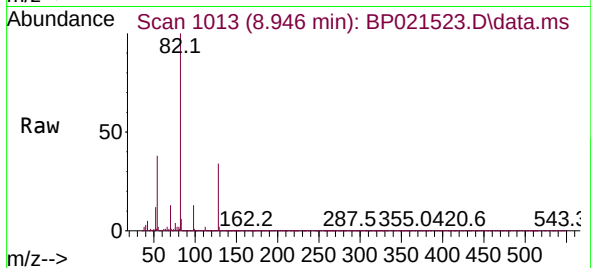
Tgt Ion: 82 Resp: 2006956

Ion Ratio Lower Upper

82 100

128 34.4 26.5 39.7

54 37.5 30.3 45.5



#32

Benzoic acid

Concen: 3.324 ng

RT: 9.887 min Scan# 1173

Delta R.T. 0.012 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

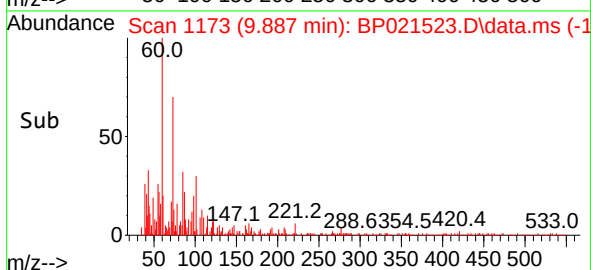
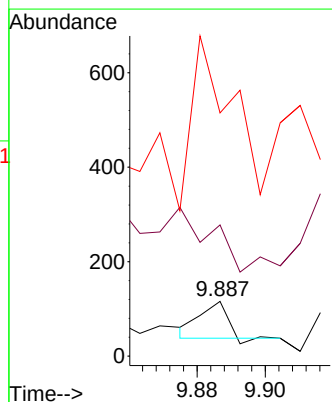
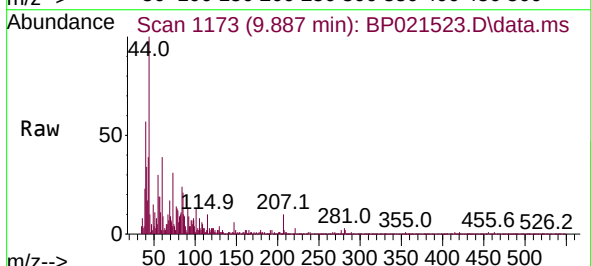
Tgt Ion:122 Resp: 41

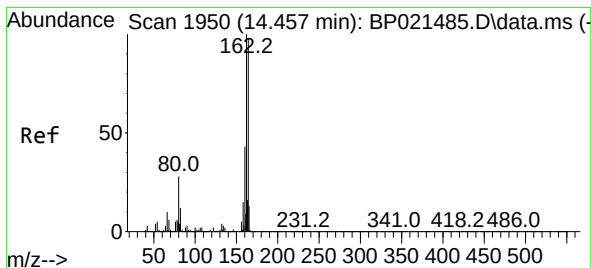
Ion Ratio Lower Upper

122 100

105 239.7 124.6 164.6#

77 444.0 96.2 136.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.439 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

Instrument :

BNA_P

ClientSampleId :

S-856-J-S0-2-2.5-080924

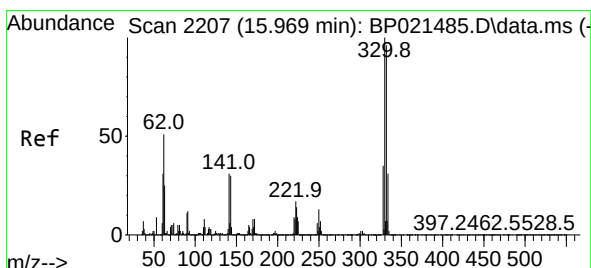
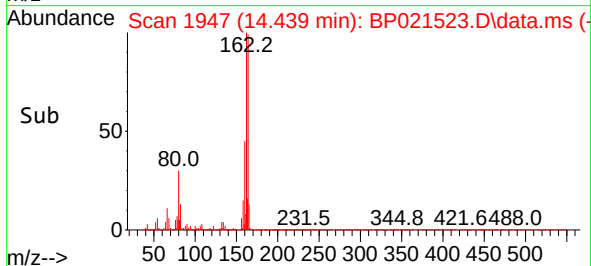
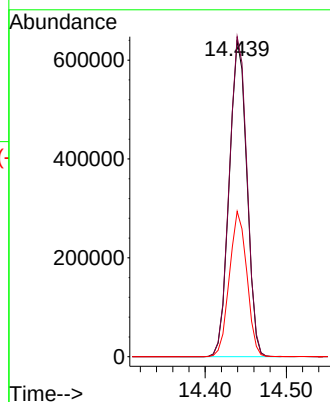
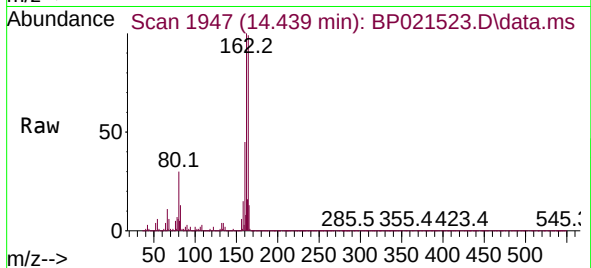
Tgt Ion:164 Resp: 962989

Ion Ratio Lower Upper

164 100

162 101.2 81.5 122.3

160 45.9 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 106.588 ng

RT: 15.951 min Scan# 2204

Delta R.T. -0.018 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

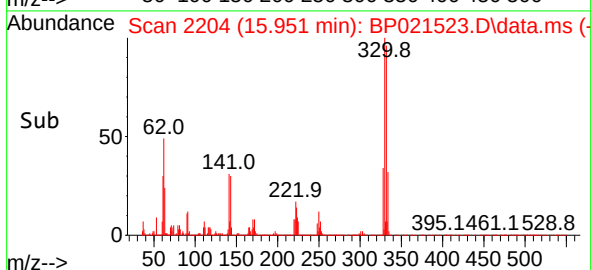
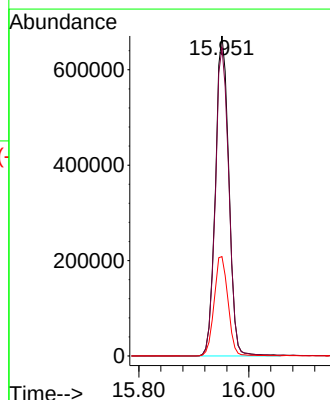
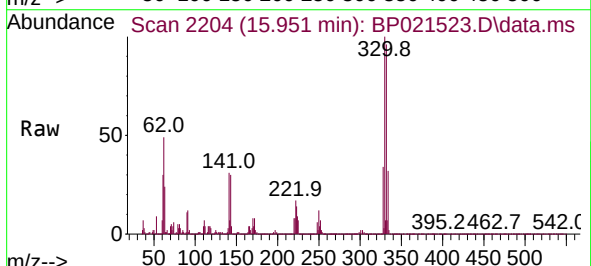
Tgt Ion:330 Resp: 1142376

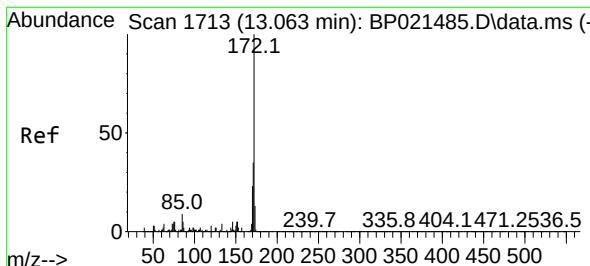
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

141 32.0 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 56.414 ng

RT: 13.051 min Scan# 1711

Delta R.T. -0.012 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

Instrument :

BNA_P

ClientSampleId :

S-856-J-S0-2-2.5-080924

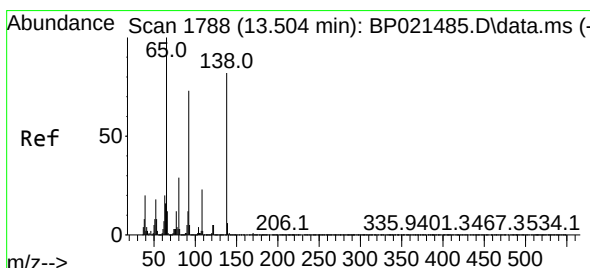
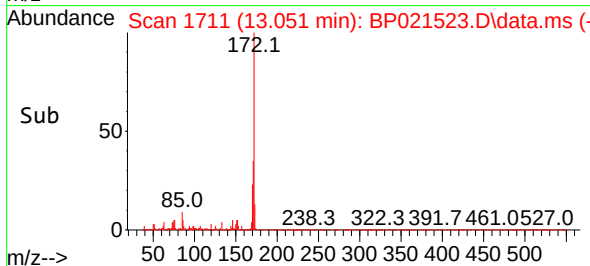
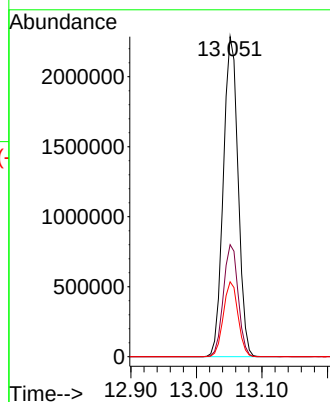
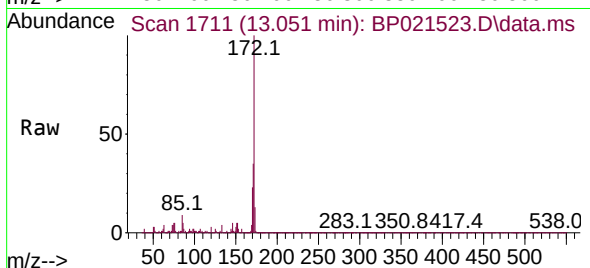
Tgt Ion:172 Resp: 3559689

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.4 18.4 27.6



#48

2-Nitroaniline

Concen: 5.155 ng

RT: 13.475 min Scan# 1783

Delta R.T. -0.029 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

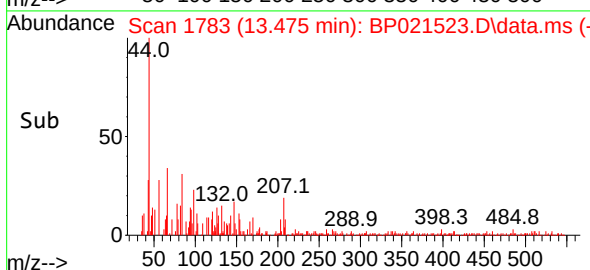
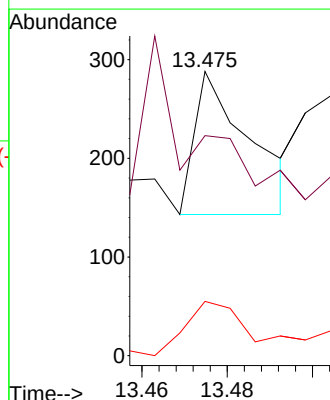
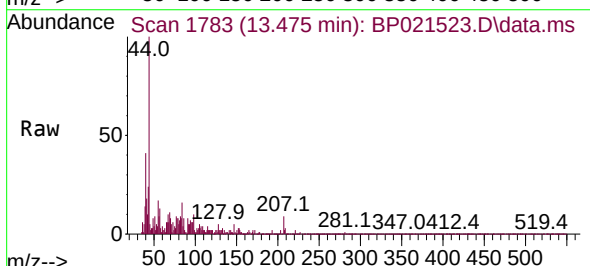
Tgt Ion: 65 Resp: 129

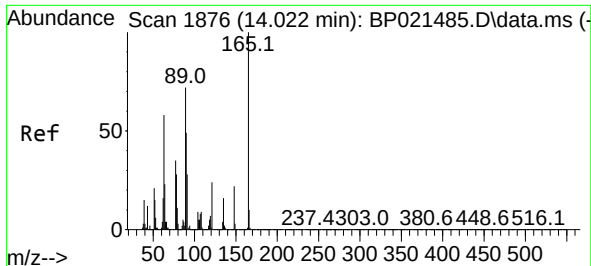
Ion Ratio Lower Upper

65 100

92 77.4 58.1 87.1

138 19.1 65.5 98.3#

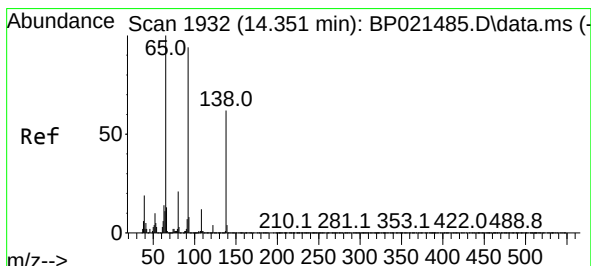
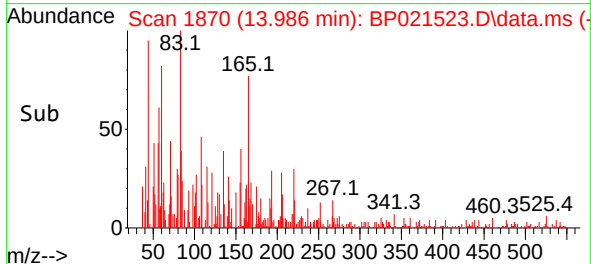
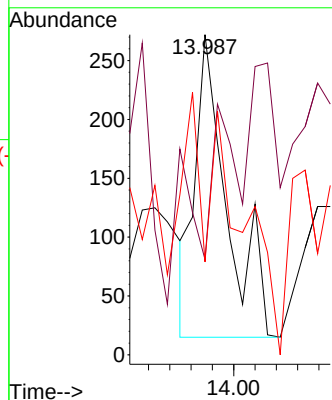
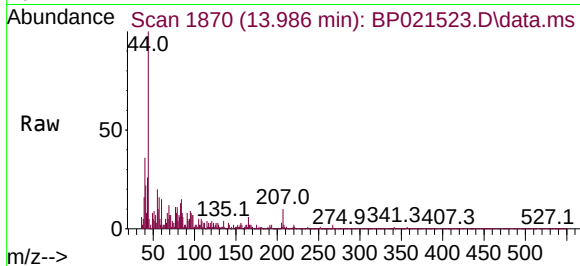




#51
2,6-Dinitrotoluene
Concen: 4.004 ng
RT: 13.986 min Scan# 11
Delta R.T. -0.036 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

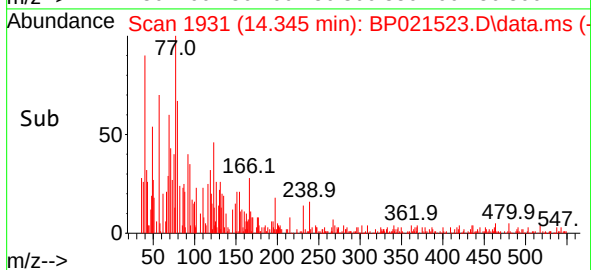
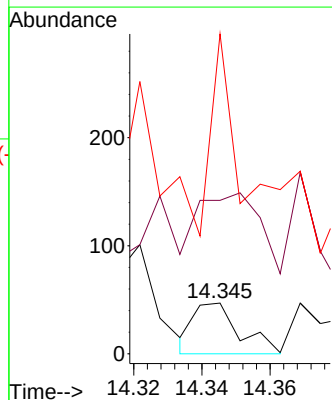
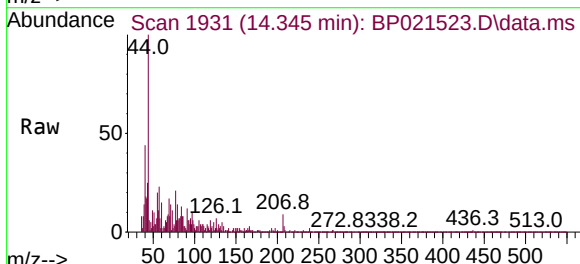
Instrument :
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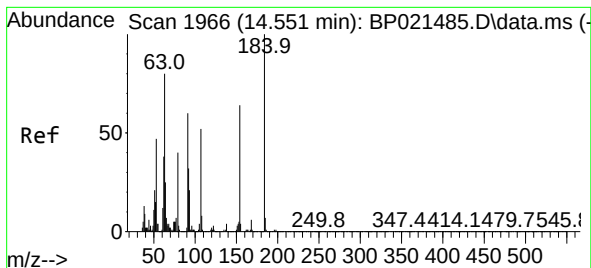
Tgt Ion:165 Resp: 265
Ion Ratio Lower Upper
165 100
63 29.8 51.5 77.3#
89 29.0 57.8 86.8#



#53
3-Nitroaniline
Concen: 3.972 ng
RT: 14.345 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:138 Resp: 44
Ion Ratio Lower Upper
138 100
108 302.1 16.2 24.4#
92 629.8 122.2 183.4#





#54

2,4-Dinitrophenol

Concen: 2.448 ng

RT: 14.563 min Scan# 1966

Delta R.T. 0.012 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

Instrument :

BNA_P

ClientSampleId :

S-856-J-S0-2-2.5-080924

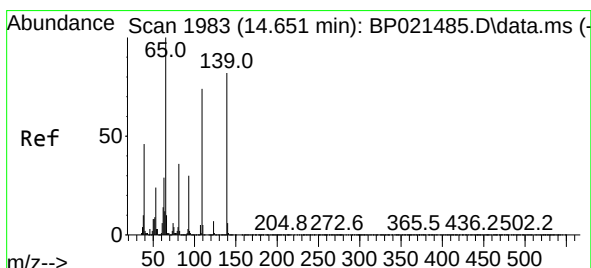
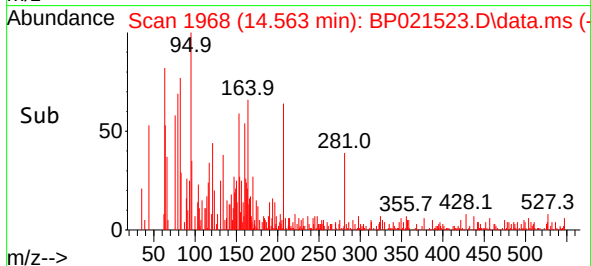
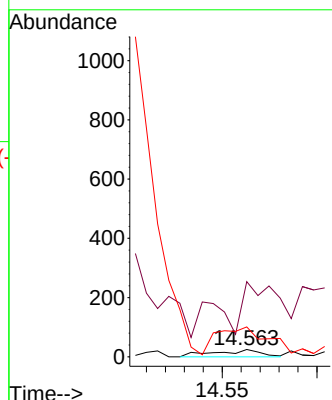
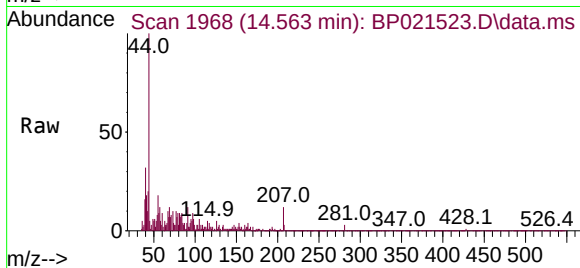
Tgt Ion:184 Resp: 41

Ion Ratio Lower Upper

184 100

63 1016.0 64.9 97.3#

154 404.0 52.1 78.1#



#56

4-Nitrophenol

Concen: 5.094 ng

RT: 14.628 min Scan# 1979

Delta R.T. -0.023 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

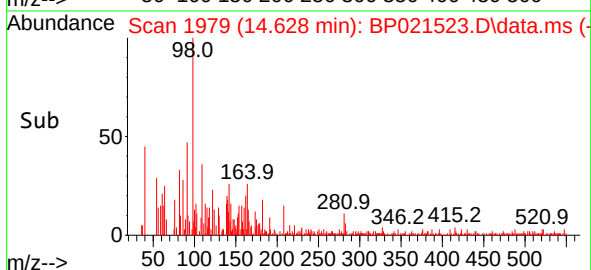
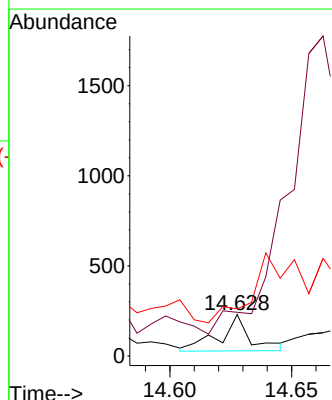
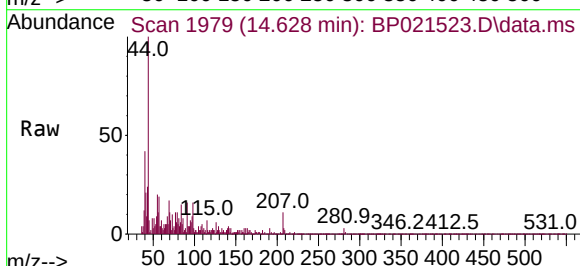
Tgt Ion:139 Resp: 175

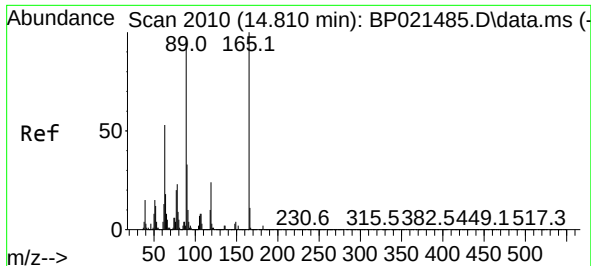
Ion Ratio Lower Upper

139 100

109 105.7 70.2 110.2

65 113.5 101.8 141.8





#57

2,4-Dinitrotoluene

Concen: 5.032 ng

RT: 14.792 min Scan# 2010

Delta R.T. -0.018 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

Instrument :

BNA_P

ClientSampleId :

S-856-J-S0-2-2.5-080924

Tgt Ion:165 Resp: 185

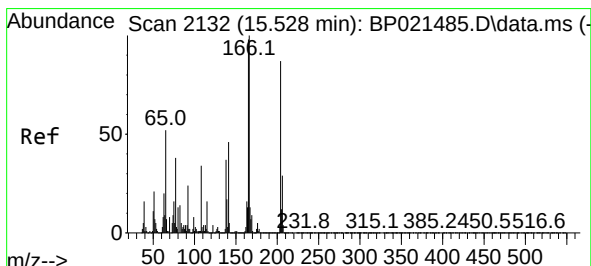
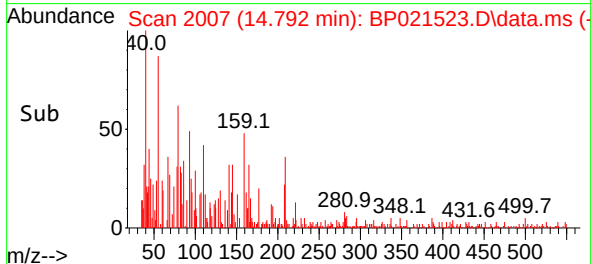
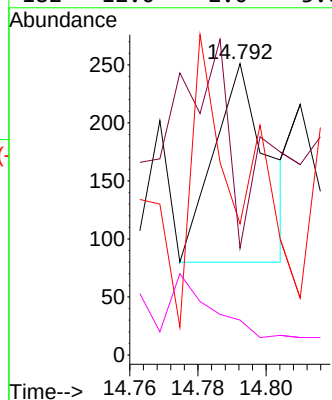
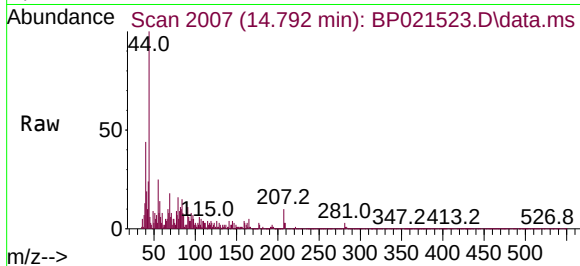
Ion Ratio Lower Upper

165 100

63 36.7 42.5 63.7#

89 45.0 77.1 115.7#

182 12.0 2.0 3.0#



#62

4-Nitroaniline

Concen: 2.952 ng

RT: 15.498 min Scan# 2127

Delta R.T. -0.030 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

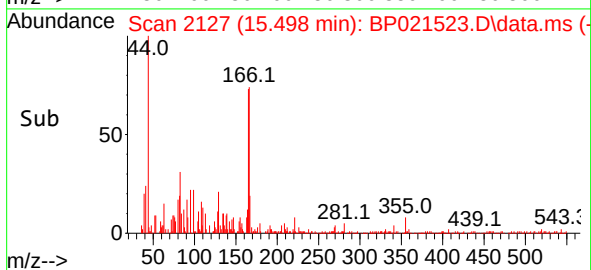
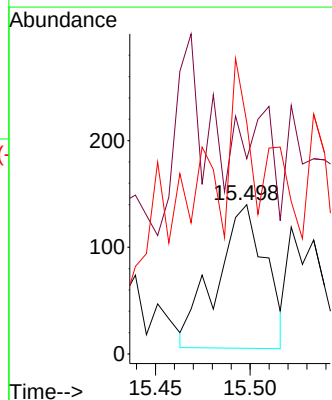
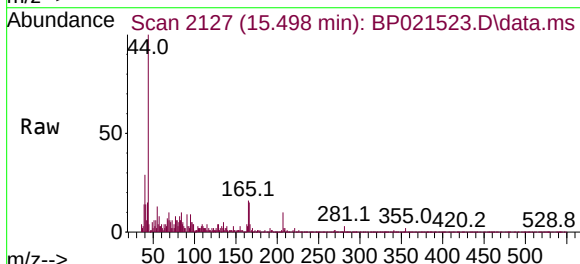
Tgt Ion:138 Resp: 241

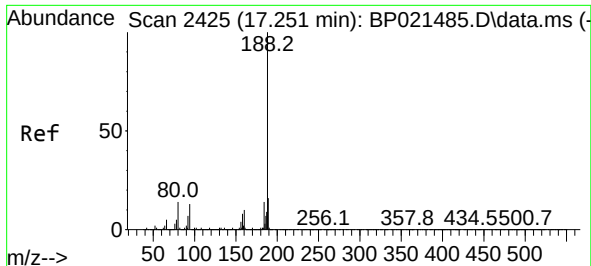
Ion Ratio Lower Upper

138 100

92 130.7 46.4 86.4#

108 155.0 73.2 113.2#

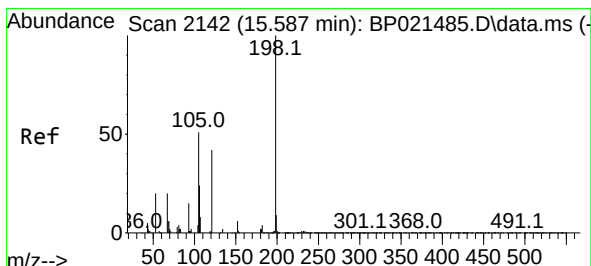
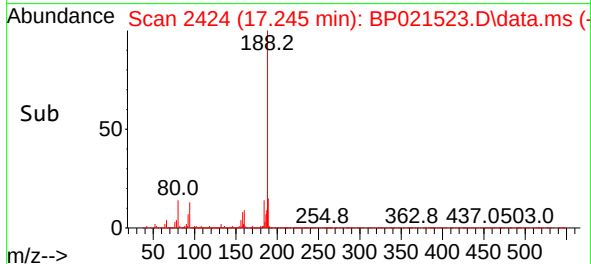
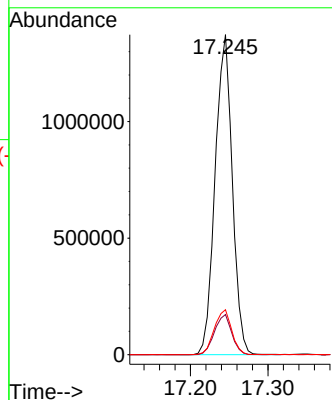
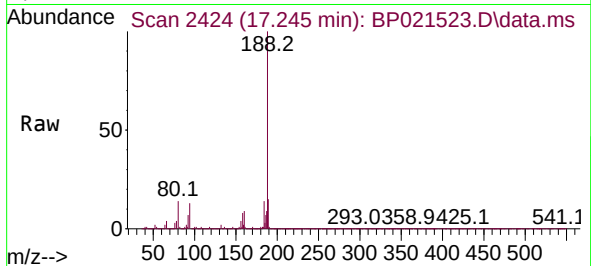




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

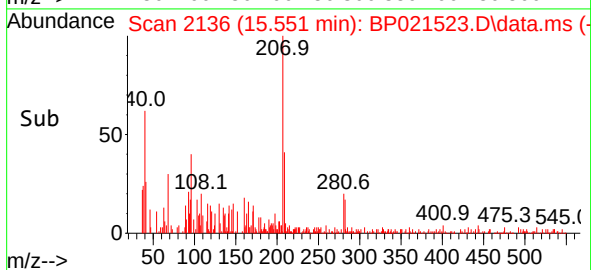
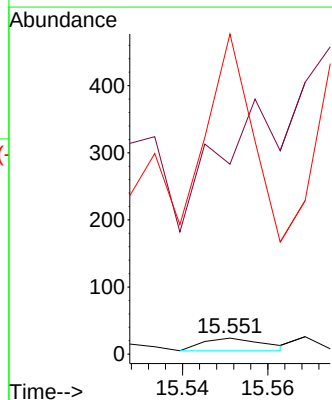
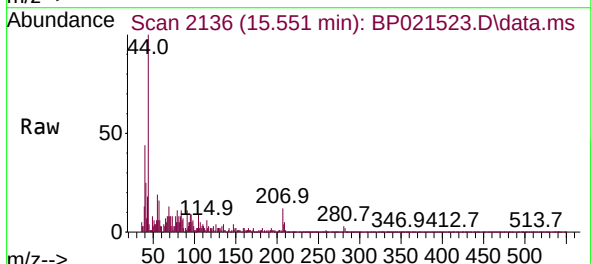
Instrument :
BNA_P
ClientSampleId :
S-856-J-S0-2-2.5-080924

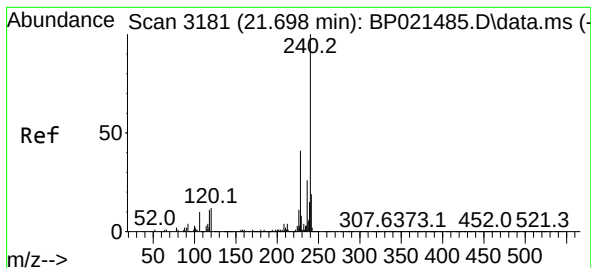
Tgt Ion:188 Resp: 2109882
Ion Ratio Lower Upper
188 100
94 12.6 10.2 15.4
80 14.0 11.6 17.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.610 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.036 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:198 Resp: 19
Ion Ratio Lower Upper
198 100
51 1179.2 21.5 61.5#
105 1987.5 32.9 72.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.686 min Scan# 3181

Delta R.T. -0.012 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

Instrument :

BNA_P

ClientSampleId :

S-856-J-S0-2-2.5-080924

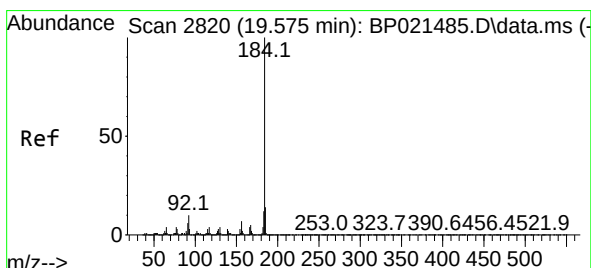
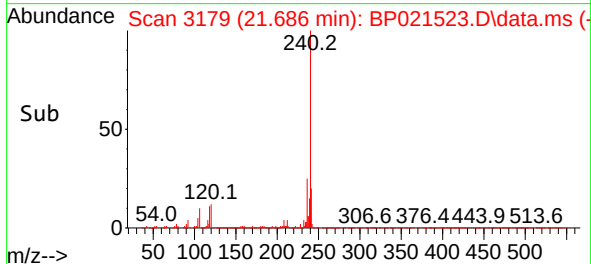
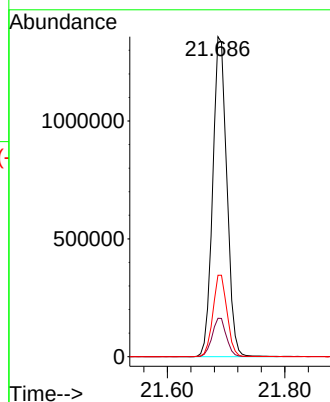
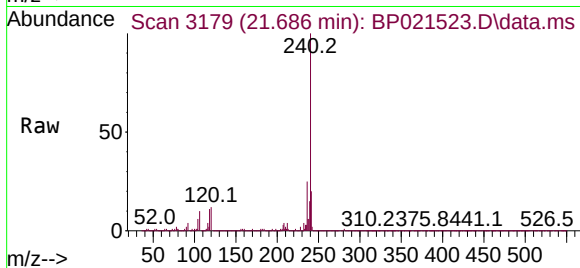
Tgt Ion:240 Resp: 2262812

Ion Ratio Lower Upper

240 100

120 12.0 9.9 14.9

236 25.5 20.6 30.8



#77

Benzidine

Concen: 4.578 ng

RT: 19.533 min Scan# 2813

Delta R.T. -0.042 min

Lab File: BP021523.D

Acq: 15 Aug 2024 21:30

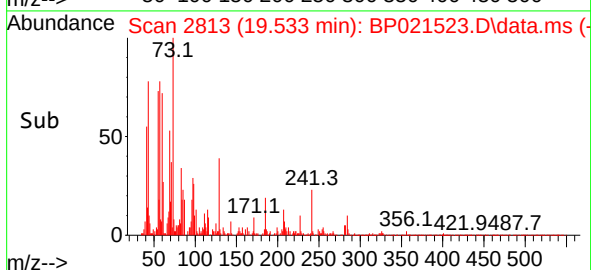
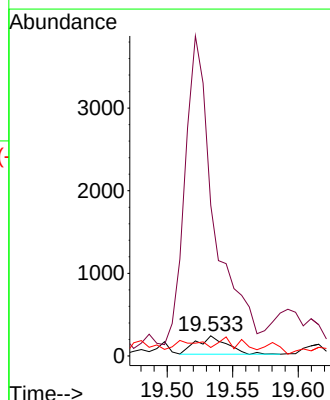
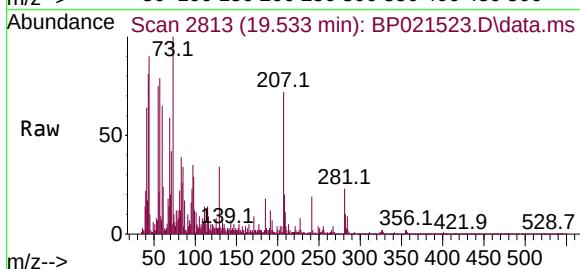
Tgt Ion:184 Resp: 359

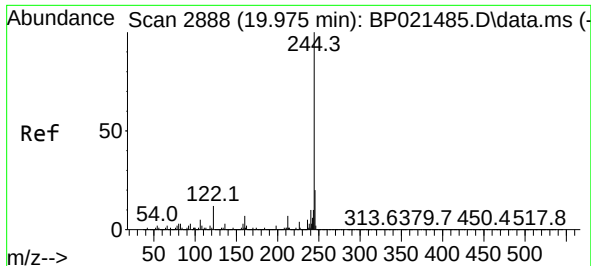
Ion Ratio Lower Upper

184 100

185 748.0 11.4 17.0#

183 42.2 9.3 13.9#

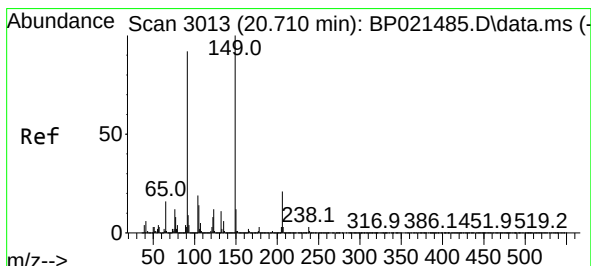
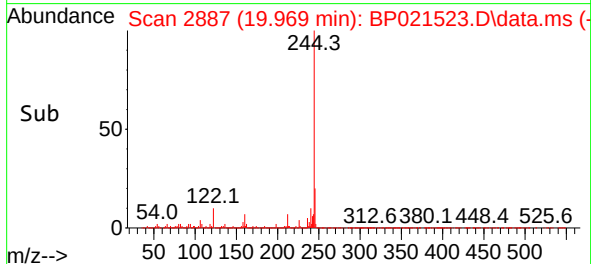
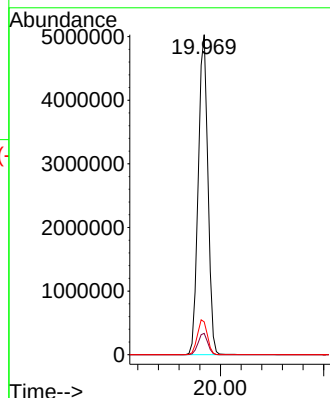
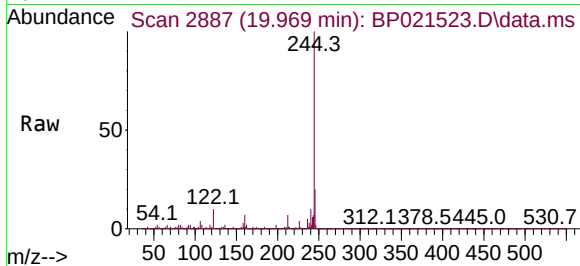




#79
 Terphenyl-d14
 Concen: 55.866 ng
 RT: 19.969 min Scan# 2887
 Delta R.T. -0.006 min
 Lab File: BP021523.D
 Acq: 15 Aug 2024 21:30

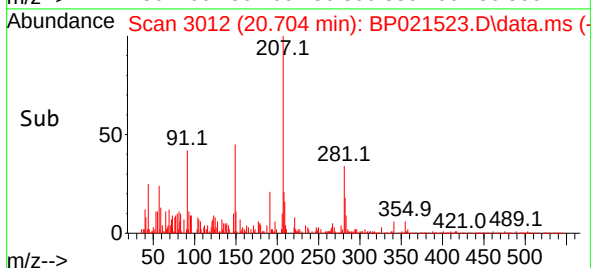
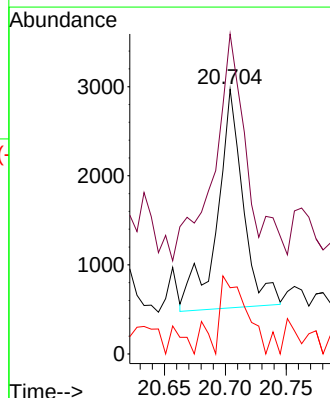
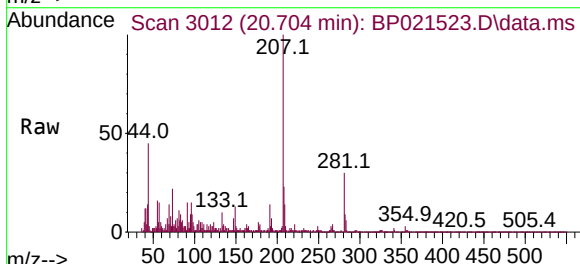
Instrument :
 BNA_P
 ClientSampleId :
 S-856-J-S0-2-2.5-080924

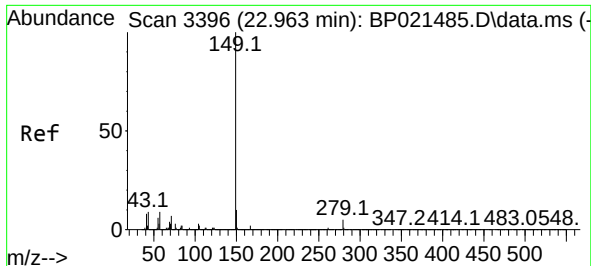
Tgt Ion:244 Resp: 6507045
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.2 9.4 14.2



#80
 Butylbenzylphthalate
 Concen: 3.662 ng
 RT: 20.704 min Scan# 3012
 Delta R.T. -0.006 min
 Lab File: BP021523.D
 Acq: 15 Aug 2024 21:30

Tgt Ion:149 Resp: 3638
 Ion Ratio Lower Upper
 149 100
 91 120.9 73.3 109.9#
 206 25.0 17.1 25.7

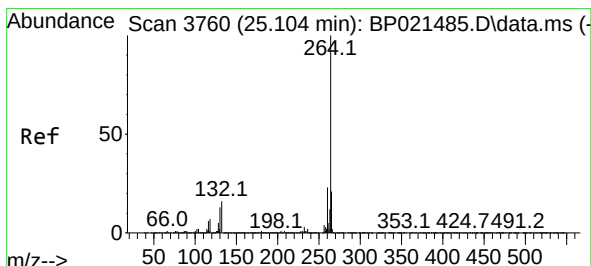
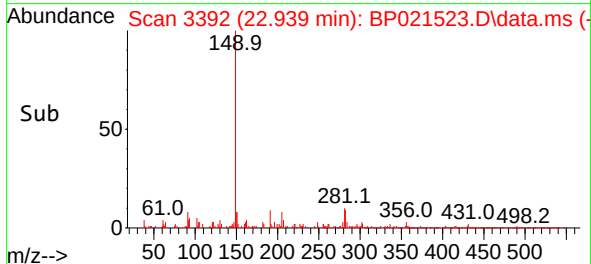
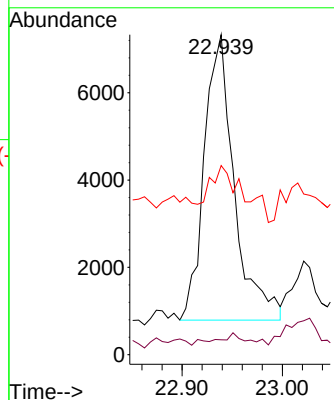
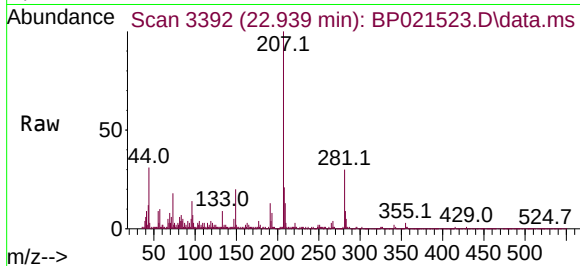




#85
Di-n-octyl phthalate
Concen: 4.919 ng
RT: 22.939 min Scan# 31
Delta R.T. -0.024 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Instrument :
BNA_P
ClientSampleId :
S-856-J-S0-2-2.5-080924

Tgt Ion:149 Resp: 13609
Ion Ratio Lower Upper
149 100
167 5.3 1.3 1.9#
43 22.4 7.3 10.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3755
Delta R.T. -0.030 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:264 Resp: 2267823
Ion Ratio Lower Upper
264 100
260 22.7 18.6 28.0
265 22.3 17.1 25.7

