

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
 Data File : BP021604.D
 Acq On : 21 Aug 2024 19:35
 Operator : RC/JU
 Sample : P3617-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VCPS-B2-081424-6W-DUP

Quant Time: Aug 22 00:21:00 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)

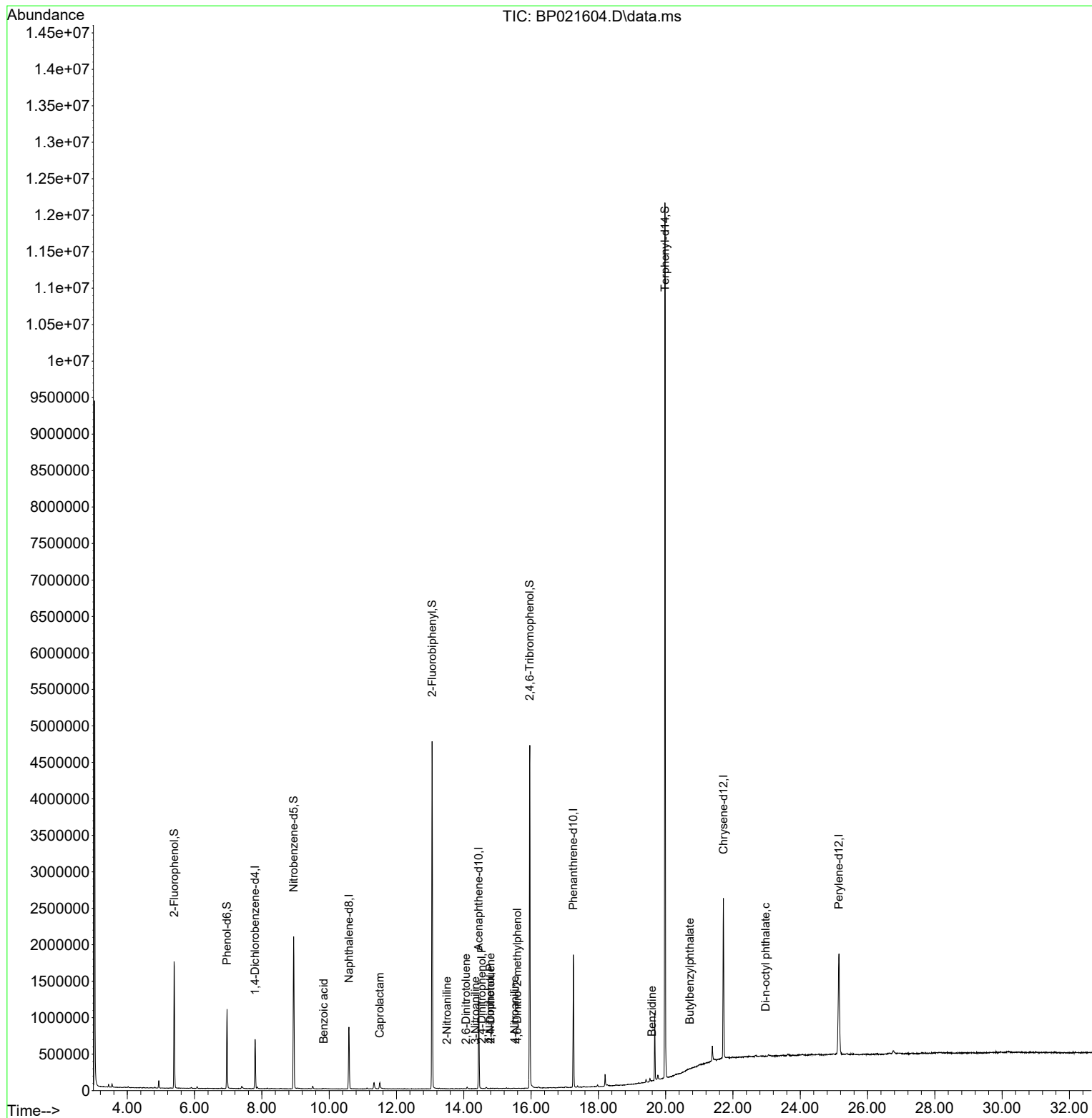
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	178213	20.000	ng	-0.01
21) Naphthalene-d8	10.587	136	700330	20.000	ng	-0.01
39) Acenaphthene-d10	14.445	164	448278	20.000	ng	-0.01
64) Phenanthrene-d10	17.257	188	1032322	20.000	ng	0.00
76) Chrysene-d12	21.716	240	1158391	20.000	ng	0.02
86) Perylene-d12	25.151	264	1398973	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	799113	66.582	ng	0.00
7) Phenol-d6	6.963	99	672304	38.400	ng	0.00
23) Nitrobenzene-d5	8.946	82	1372072	101.123	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	932606	186.927	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	2496965	85.009	ng	0.00
79) Terphenyl-d14	19.980	244	5596625	93.861	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.693	139	55	Below Cal	#	29
32) Benzoic acid	9.834	122	2383	3.964	ng	# 77
35) Caprolactam	11.504	113	21227	5.456	ng	# 83
48) 2-Nitroaniline	13.504	65	282	5.184	ng	# 44
51) 2,6-Dinitrotoluene	14.063	165	149	4.008	ng	# 95
53) 3-Nitroaniline	14.345	138	53	3.977	ng	# 1
54) 2,4-Dinitrophenol	14.534	184	49	2.475	ng	# 52
56) 4-Nitrophenol	14.787	139	104	5.098	ng	# 83
57) 2,4-Dinitrotoluene	14.798	165	857	5.122	ng	# 73
62) 4-Nitroaniline	15.510	138	48	2.942	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.586	198	30	4.619	ng	# 1
77) Benzidine	19.592	184	3046	4.658	ng	# 93
80) Butylbenzylphthalate	20.721	149	443	3.617	ng	# 87
85) Di-n-octyl phthalate	22.974	149	1670	4.856	ng	# 53

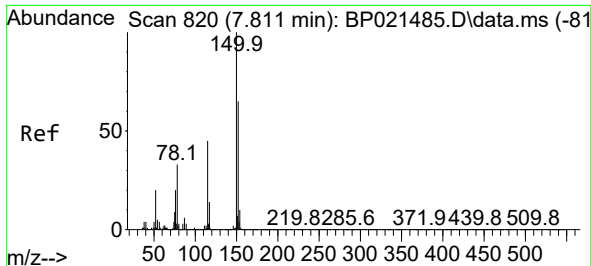
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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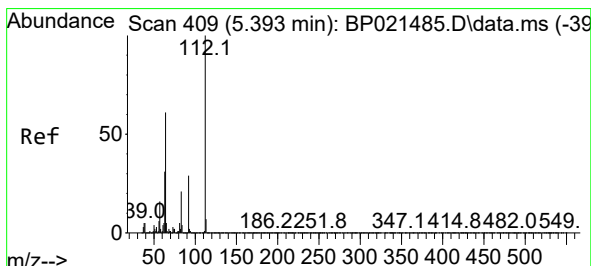
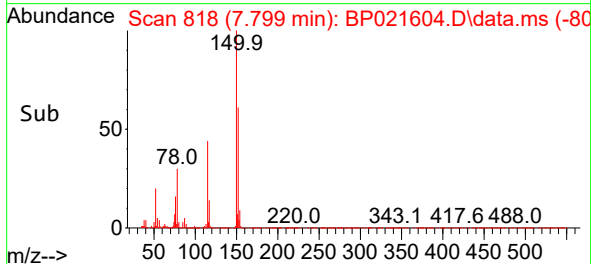
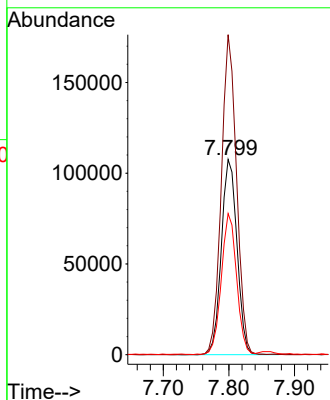
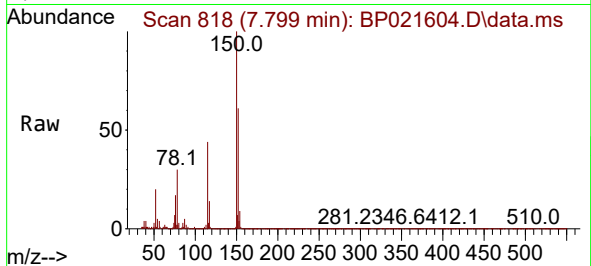




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

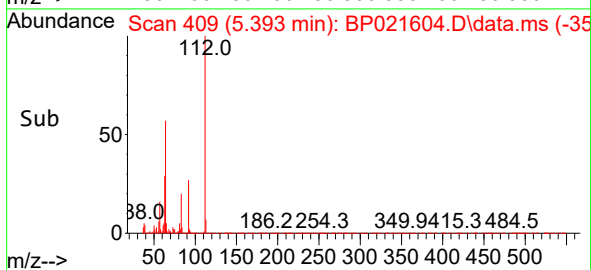
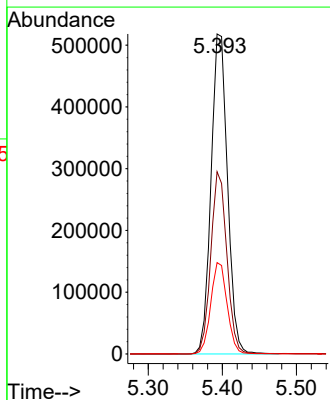
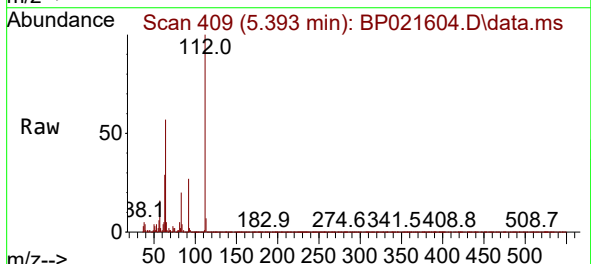
Instrument :
BNA_P
ClientSampleId :
VCPS-B2-081424-6W-DUP

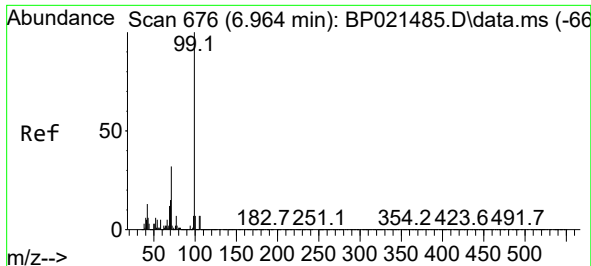
Tgt Ion:152 Resp: 178213
Ion Ratio Lower Upper
152 100
150 163.9 122.4 183.6
115 72.3 54.7 82.1



#5
2-Fluorophenol
Concen: 66.582 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

Tgt Ion:112 Resp: 799113
Ion Ratio Lower Upper
112 100
64 56.9 49.0 73.6
63 28.6 24.6 36.8

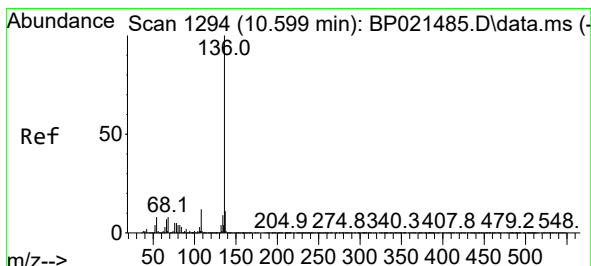
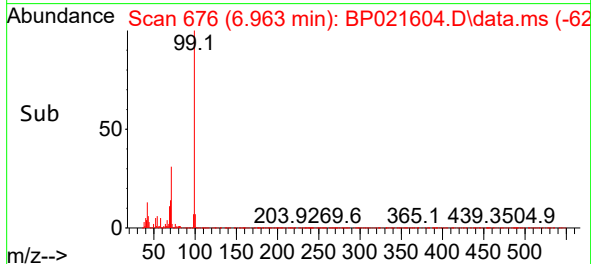
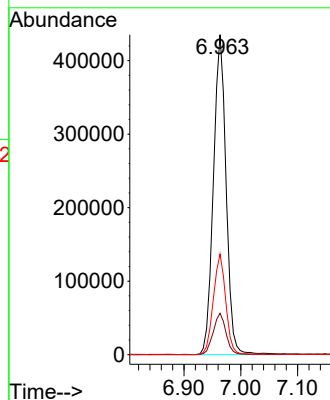
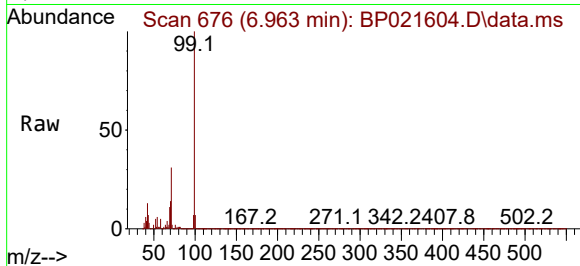




#7
Phenol-d6
Concen: 38.400 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

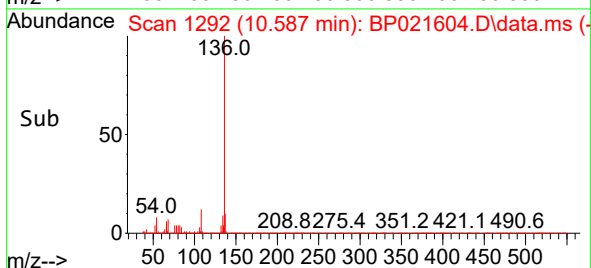
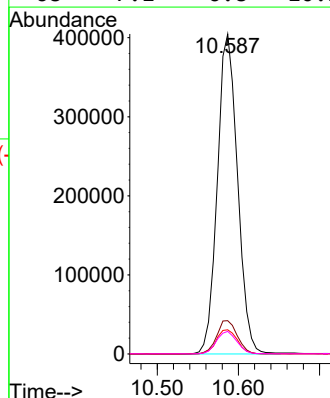
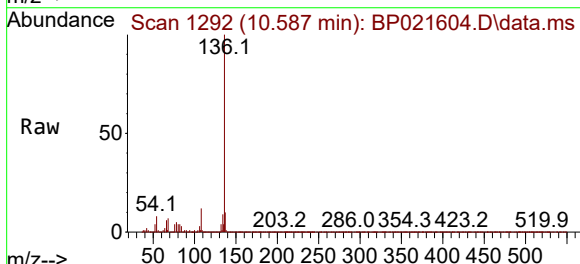
Instrument :
BNA_P
ClientSampleId :
VCPS-B2-081424-6W-DUP

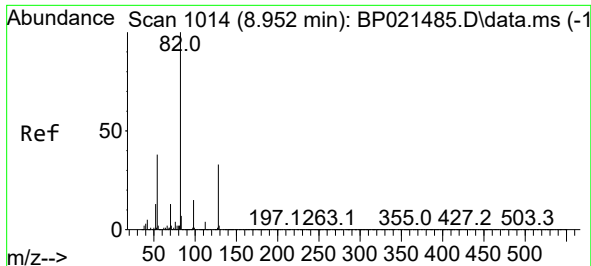
Tgt Ion: 99 Resp: 672304
Ion Ratio Lower Upper
99 100
42 13.0 10.2 15.4
71 31.5 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

Tgt Ion:136 Resp: 700330
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 7.6 6.3 9.5
68 7.1 6.8 10.2

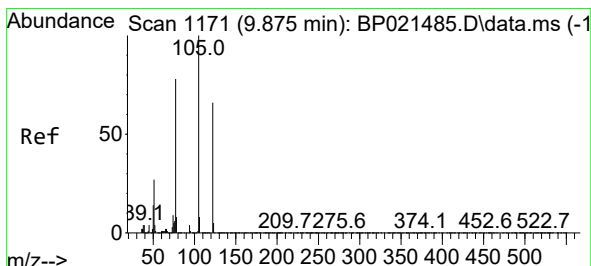
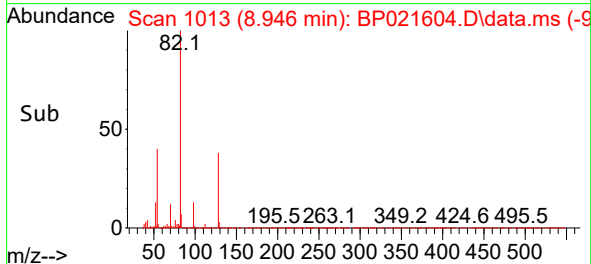
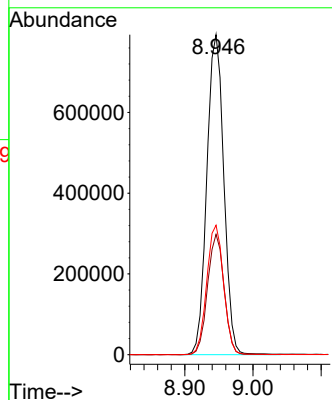
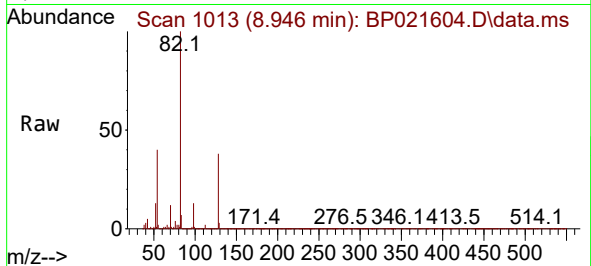




#23
Nitrobenzene-d5
Concen: 101.123 ng
RT: 8.946 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

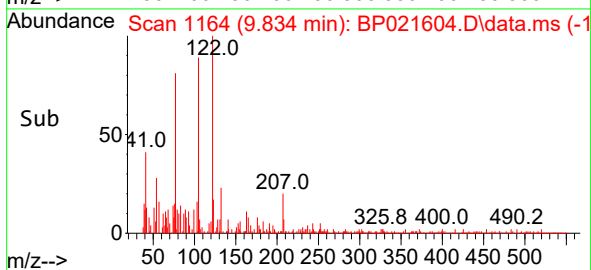
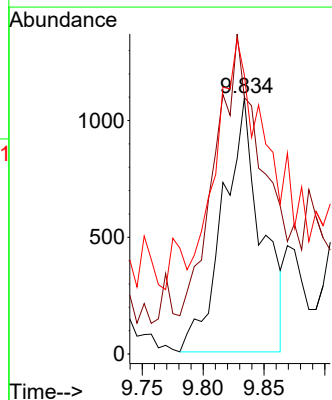
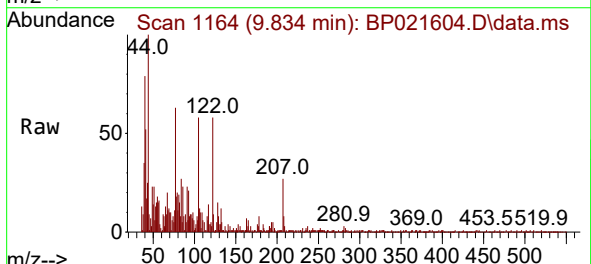
Instrument :
BNA_P
ClientSampleId :
VCPS-B2-081424-6W-DUP

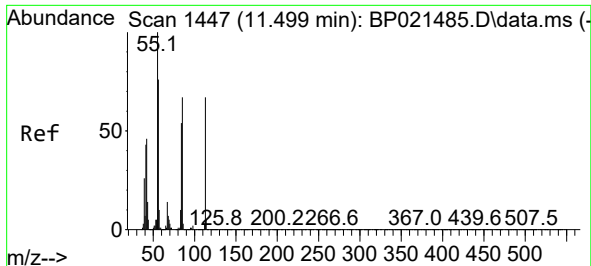
Tgt Ion: 82 Resp: 1372072
Ion Ratio Lower Upper
82 100
128 37.6 26.5 39.7
54 40.4 30.3 45.5



#32
Benzoic acid
Concen: 3.964 ng
RT: 9.834 min Scan# 1164
Delta R.T. -0.041 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

Tgt Ion:122 Resp: 2383
Ion Ratio Lower Upper
122 100
105 100.2 124.6 164.6#
77 108.9 96.2 136.2

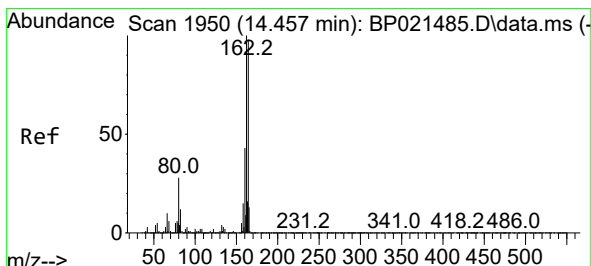
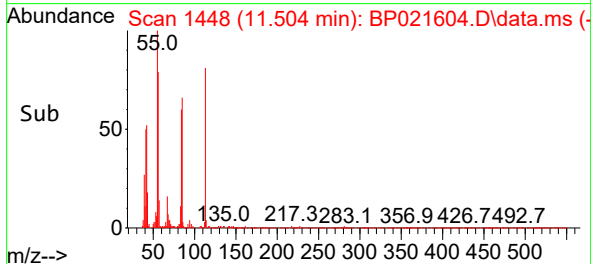
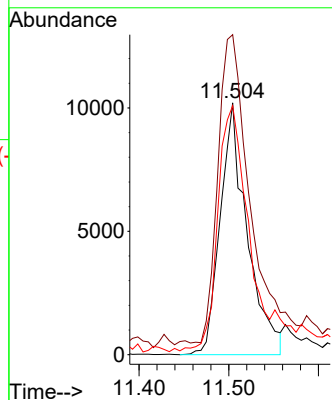
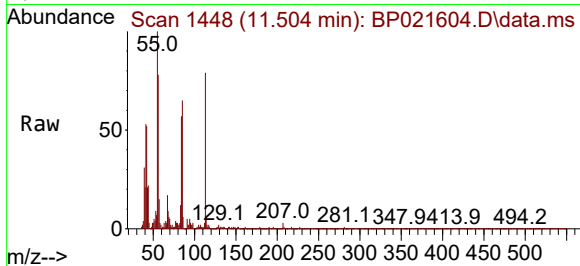




#35
Caprolactam
Concen: 5.456 ng
RT: 11.504 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

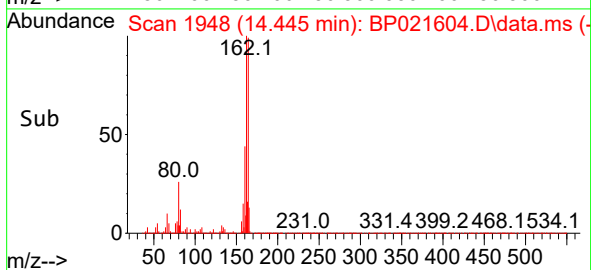
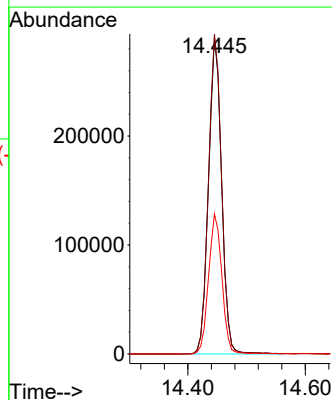
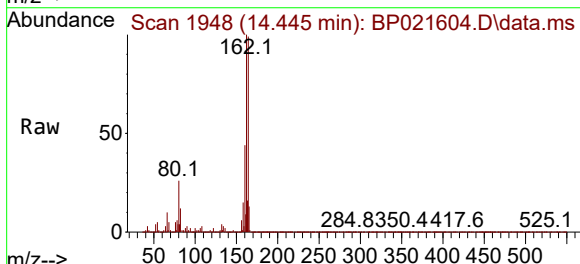
Instrument :
BNA_P
ClientSampleId :
VCPS-B2-081424-6W-DUP

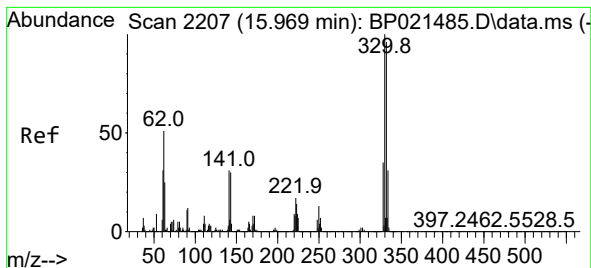
Tgt Ion:113 Resp: 21227
Ion Ratio Lower Upper
113 100
55 127.0 130.6 170.6#
56 98.8 94.6 134.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

Tgt Ion:164 Resp: 448278
Ion Ratio Lower Upper
164 100
162 101.1 81.5 122.3
160 44.3 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 186.927 ng

RT: 15.963 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021604.D

Acq: 21 Aug 2024 19:35

Instrument :

BNA_P

ClientSampleId :

VCPS-B2-081424-6W-DUP

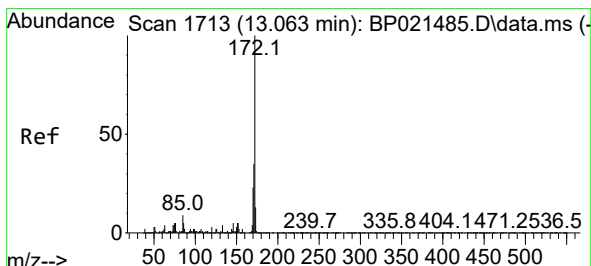
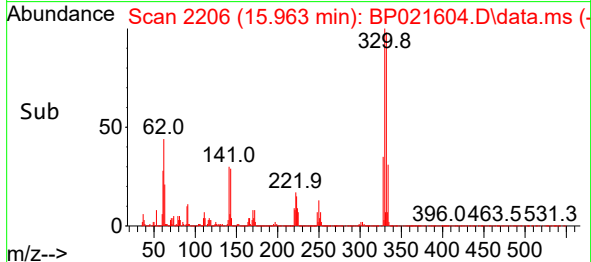
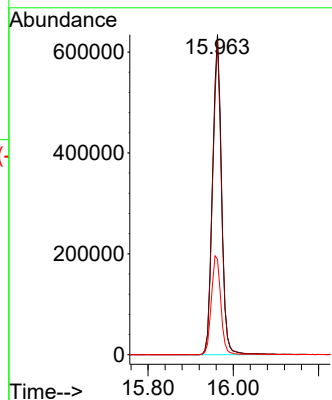
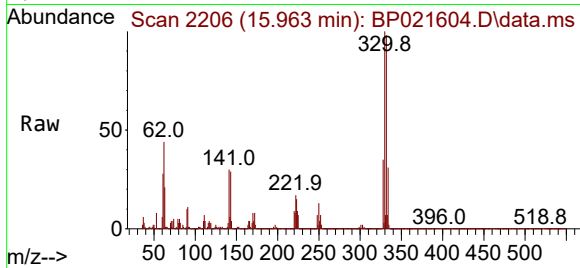
Tgt Ion:330 Resp: 932606

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

141 32.2 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 85.009 ng

RT: 13.057 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BP021604.D

Acq: 21 Aug 2024 19:35

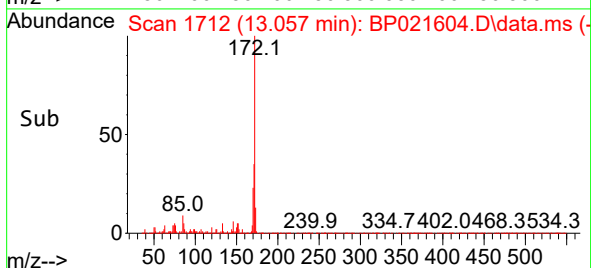
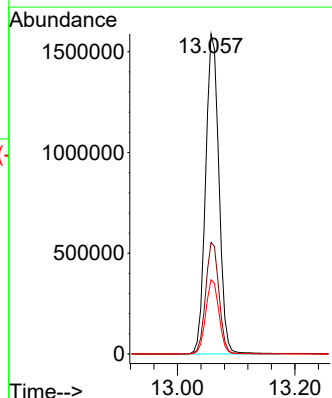
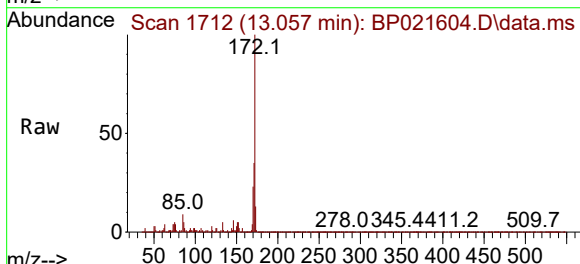
Tgt Ion:172 Resp: 2496965

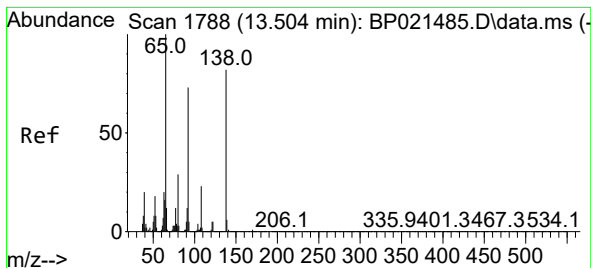
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.2 18.4 27.6





#48

2-Nitroaniline

Concen: 5.184 ng

RT: 13.504 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP021604.D

Acq: 21 Aug 2024 19:35

Instrument :

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ClientSampleId :

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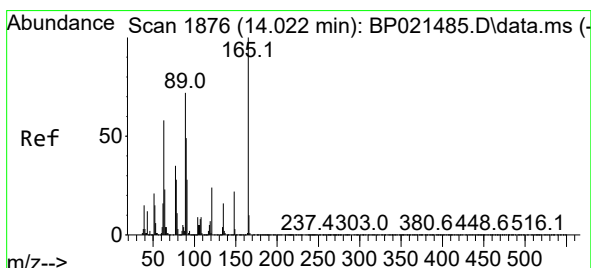
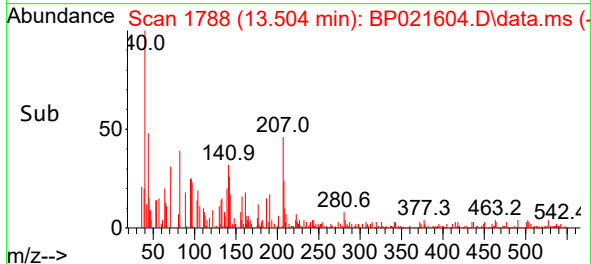
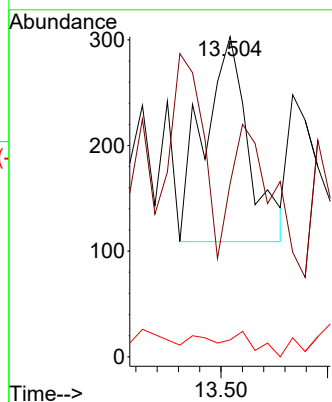
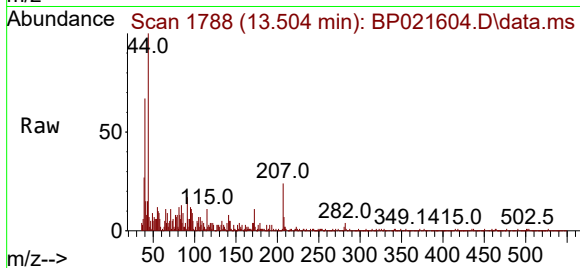
Tgt Ion: 65 Resp: 282

Ion Ratio Lower Upper

65 100

92 54.1 58.1 87.1#

138 5.3 65.5 98.3#



#51

2,6-Dinitrotoluene

Concen: 4.008 ng

RT: 14.063 min Scan# 1883

Delta R.T. 0.041 min

Lab File: BP021604.D

Acq: 21 Aug 2024 19:35

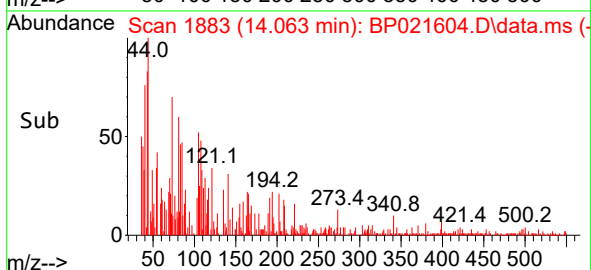
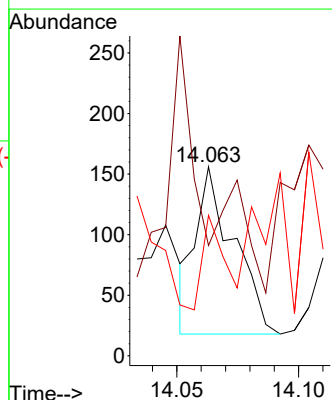
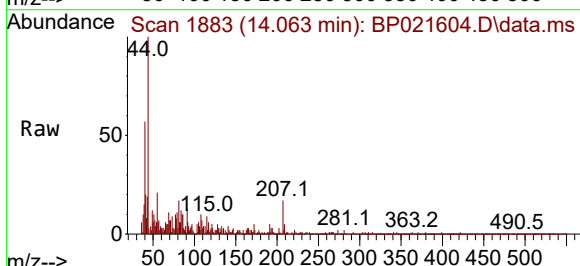
Tgt Ion: 165 Resp: 149

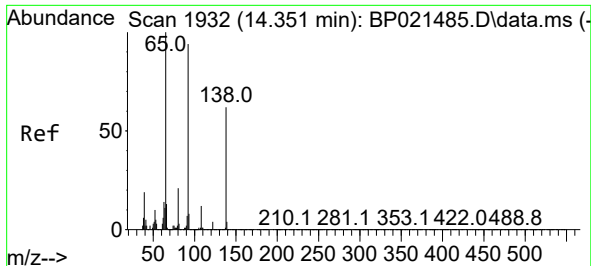
Ion Ratio Lower Upper

165 100

63 58.3 51.5 77.3

89 74.4 57.8 86.8

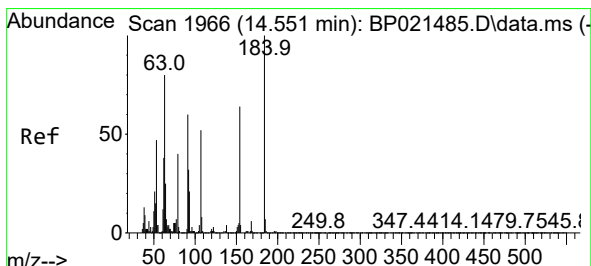
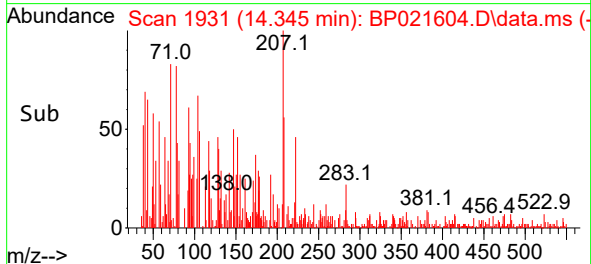
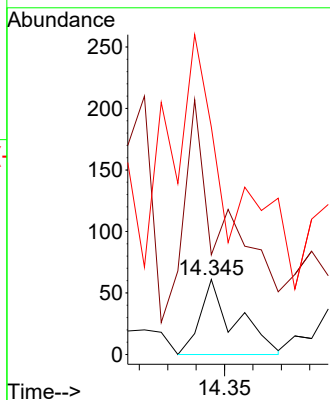
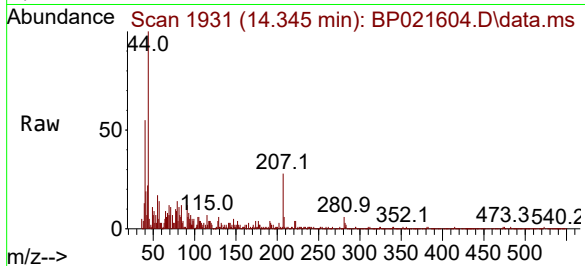




#53
3-Nitroaniline
Concen: 3.977 ng
RT: 14.345 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

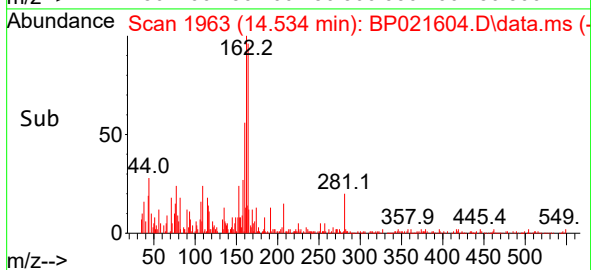
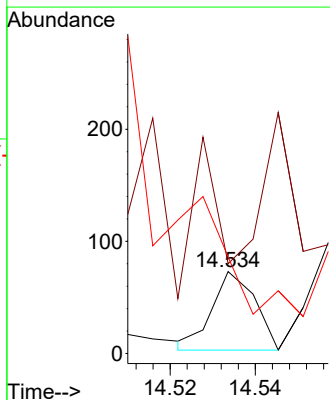
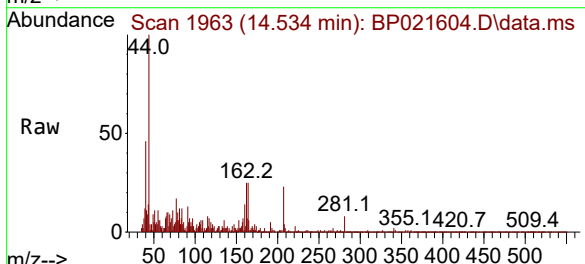
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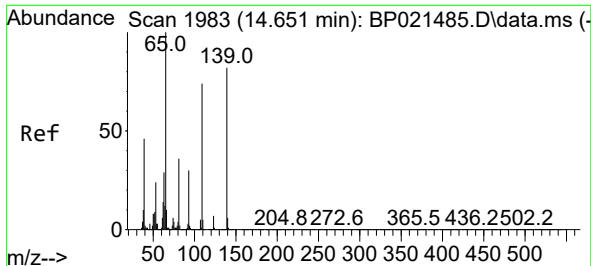
Tgt Ion:138 Resp: 53
Ion Ratio Lower Upper
138 100
108 132.8 16.2 24.4#
92 303.3 122.2 183.4#



#54
2,4-Dinitrophenol
Concen: 2.475 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.017 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

Tgt Ion:184 Resp: 49
Ion Ratio Lower Upper
184 100
63 109.6 64.9 97.3#
154 117.8 52.1 78.1#

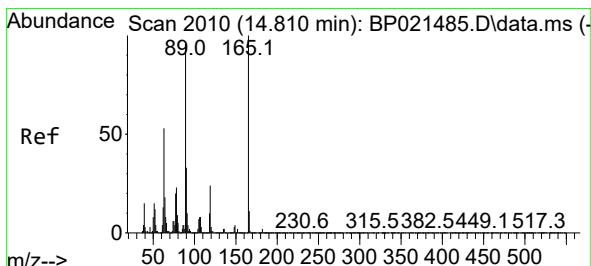
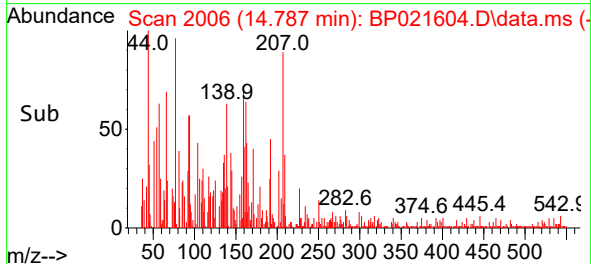
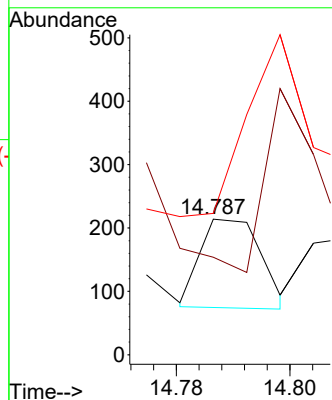
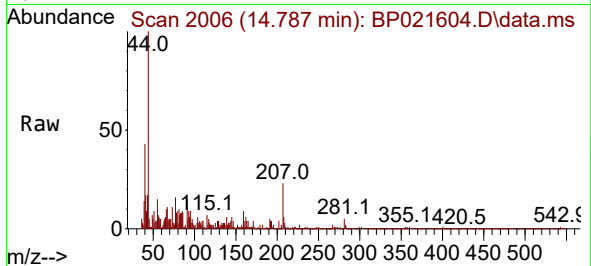




#56
4-Nitrophenol
Concen: 5.098 ng
RT: 14.787 min Scan# 2006
Delta R.T. 0.136 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

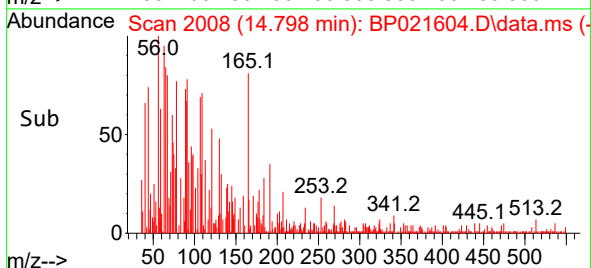
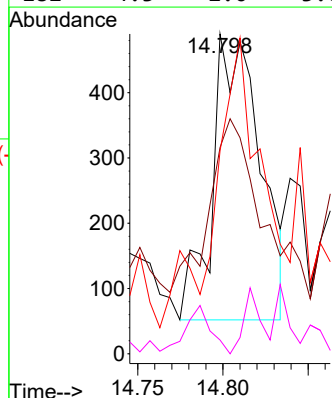
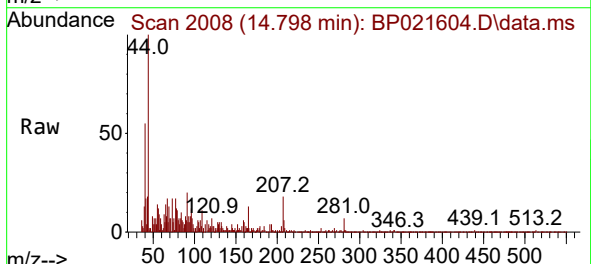
Instrument :
BNA_P
ClientSampleId :
VCPS-B2-081424-6W-DUP

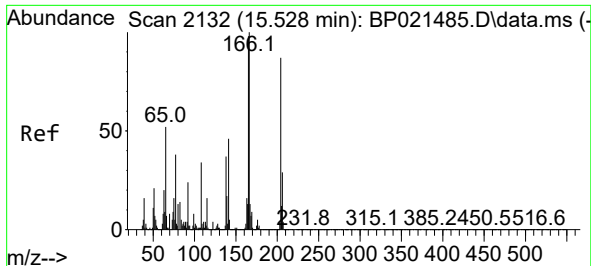
Tgt Ion:139 Resp: 104
Ion Ratio Lower Upper
139 100
109 72.0 70.2 110.2
65 104.2 101.8 141.8



#57
2,4-Dinitrotoluene
Concen: 5.122 ng
RT: 14.798 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

Tgt Ion:165 Resp: 857
Ion Ratio Lower Upper
165 100
63 64.5 42.5 63.7#
89 63.5 77.1 115.7#
182 4.3 2.0 3.0#

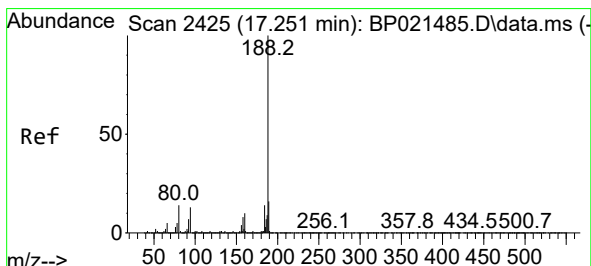
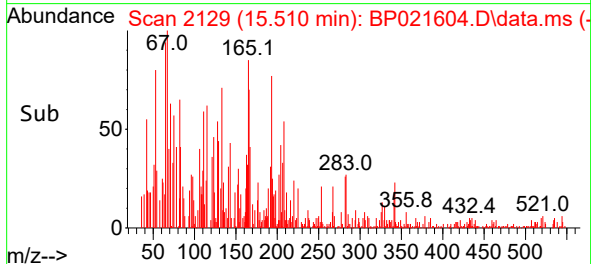
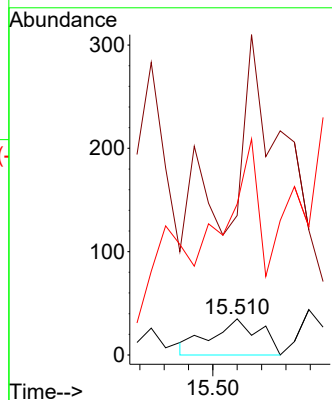
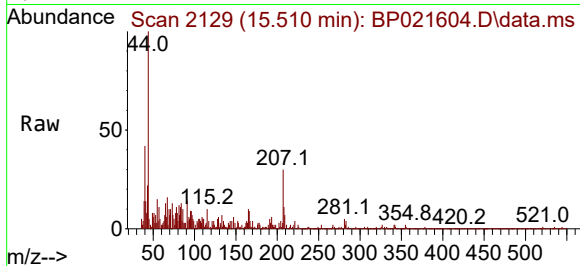




#62
4-Nitroaniline
Concen: 2.942 ng
RT: 15.510 min Scan# 2132
Delta R.T. -0.018 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

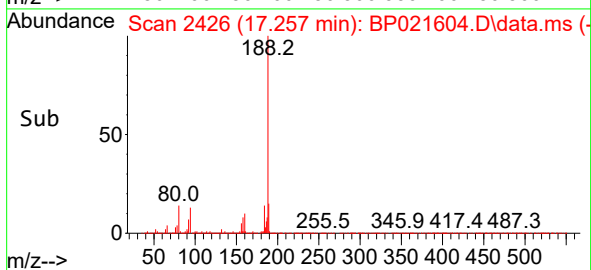
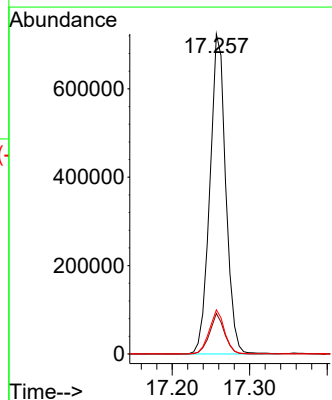
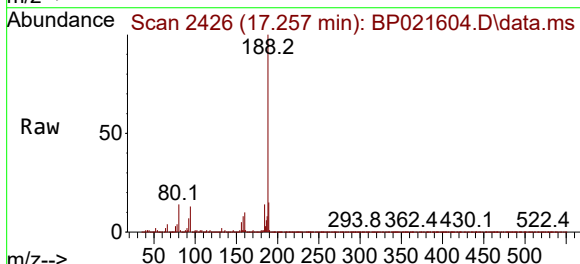
Instrument :
BNA_P
ClientSampleId :
VCPS-B2-081424-6W-DUP

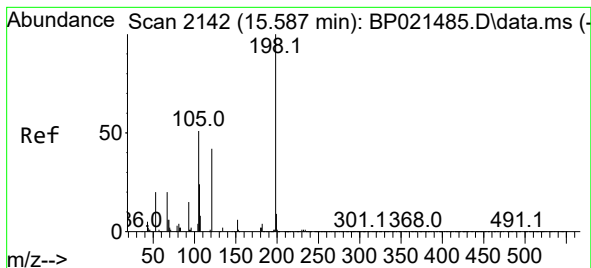
Tgt Ion:138 Resp: 48
Ion Ratio Lower Upper
138 100
92 385.7 46.4 86.4#
108 417.1 73.2 113.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

Tgt Ion:188 Resp: 1032322
Ion Ratio Lower Upper
188 100
94 12.6 10.2 15.4
80 13.8 11.6 17.4

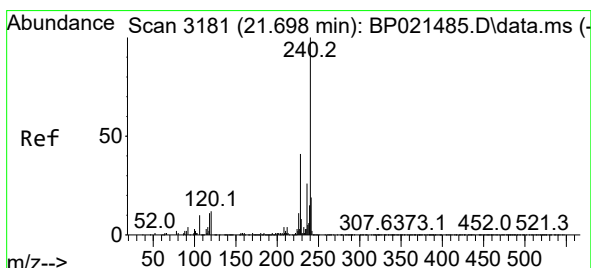
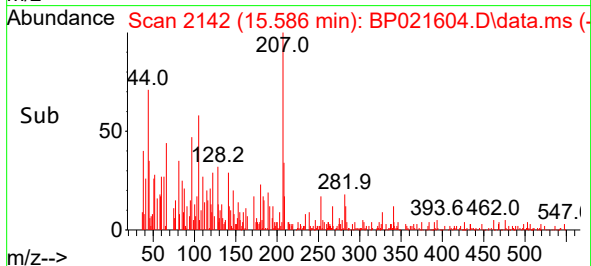
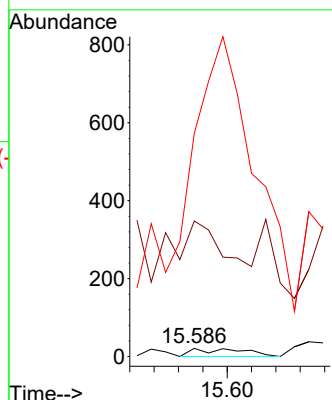
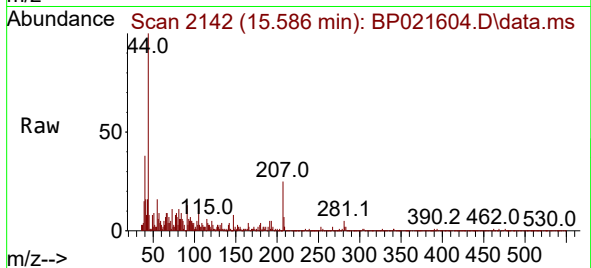




#65
4,6-Dinitro-2-methylphenol
Concen: 4.619 ng
RT: 15.586 min Scan# 2142
Delta R.T. -0.001 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

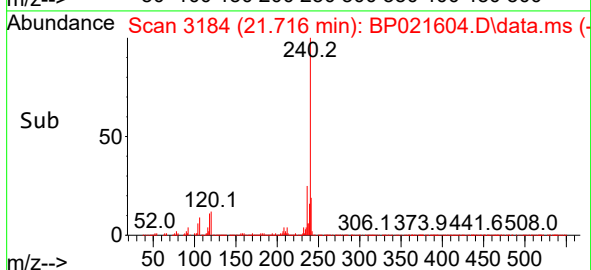
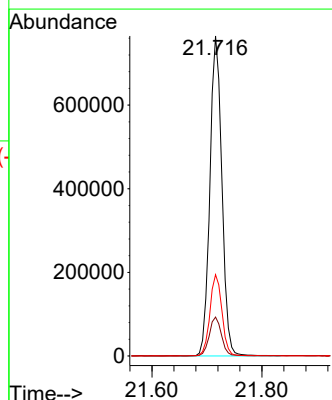
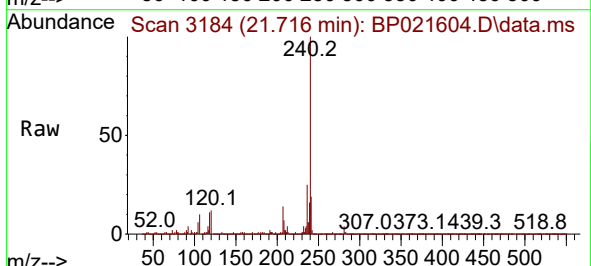
Instrument :
BNA_P
ClientSampleId :
VCPS-B2-081424-6W-DUP

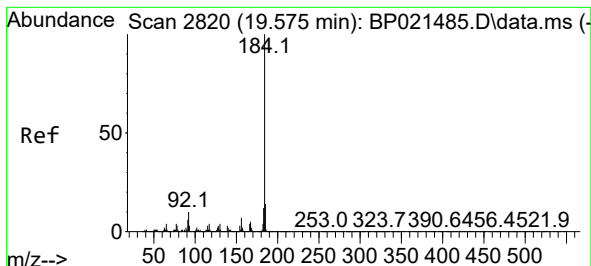
Tgt Ion:198 Resp: 30
Ion Ratio Lower Upper
198 100
51 1657.1 21.5 61.5#
105 2728.6 32.9 72.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

Tgt Ion:240 Resp: 1158391
Ion Ratio Lower Upper
240 100
120 12.2 9.9 14.9
236 25.4 20.6 30.8





#77

Benzidine

Concen: 4.658 ng

RT: 19.592 min Scan# 2820

Delta R.T. 0.017 min

Lab File: BP021604.D

Acq: 21 Aug 2024 19:35

Instrument :

BNA_P

ClientSampleId :

VCPS-B2-081424-6W-DUP

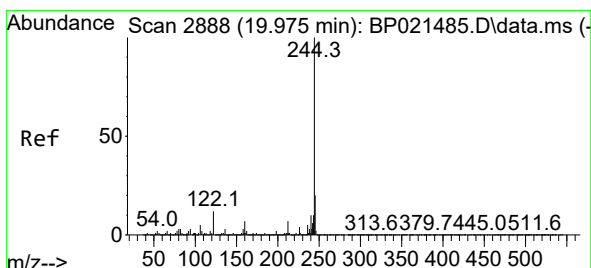
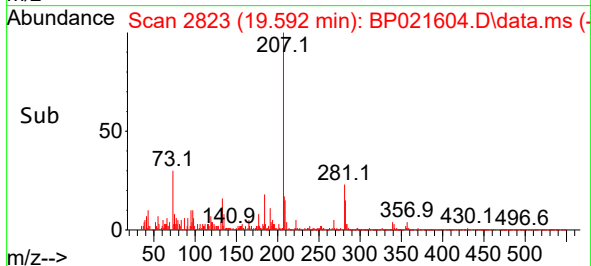
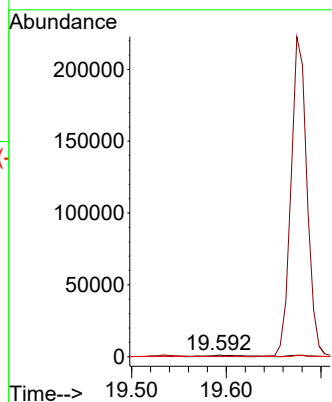
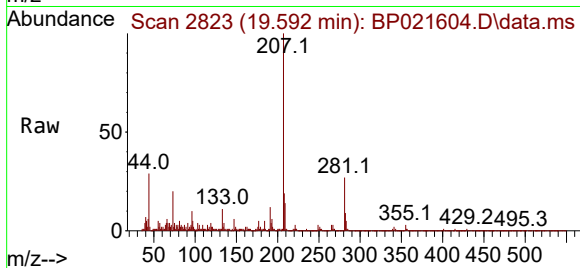
Tgt Ion:184 Resp: 3046

Ion Ratio Lower Upper

184 100

185 19.3 11.4 17.0#

183 11.7 9.3 13.9



#79

Terphenyl-d14

Concen: 93.861 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.005 min

Lab File: BP021604.D

Acq: 21 Aug 2024 19:35

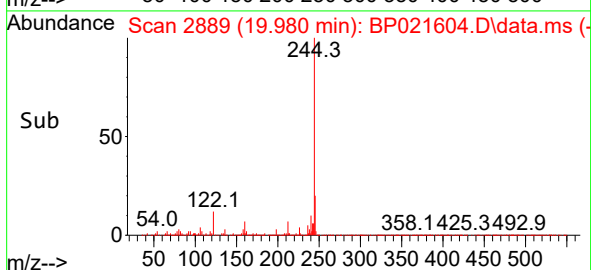
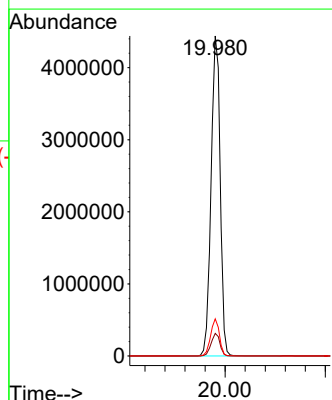
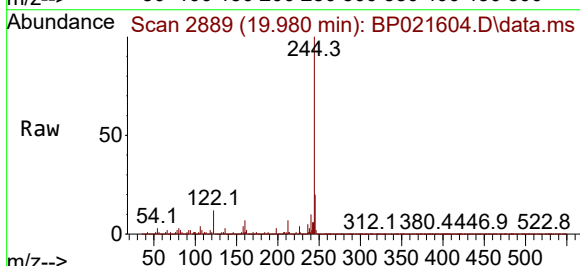
Tgt Ion:244 Resp: 5596625

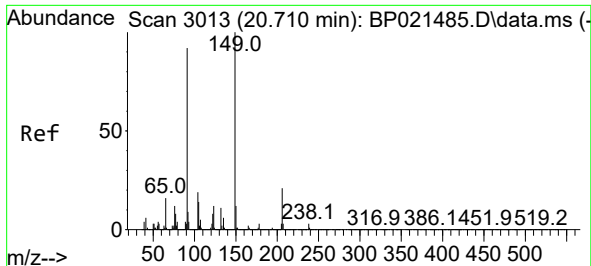
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 11.6 9.4 14.2

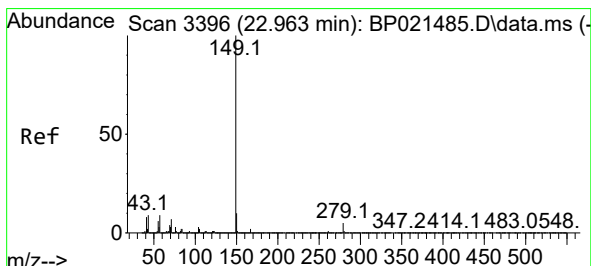
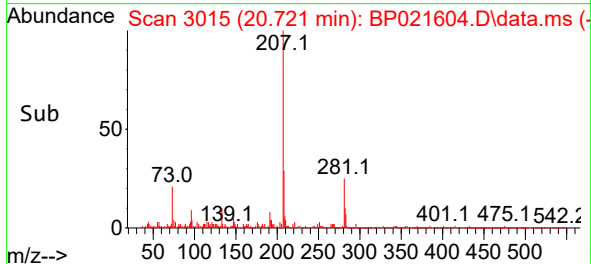
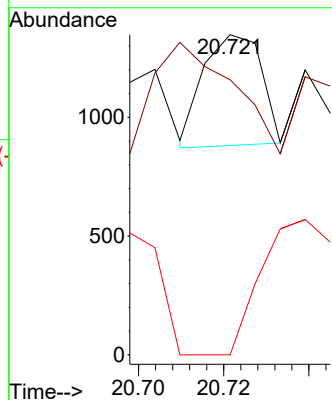
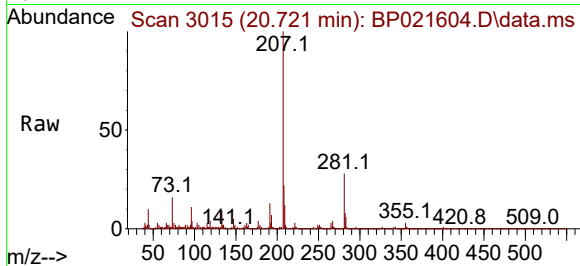




#80
Butylbenzylphthalate
Concen: 3.617 ng
RT: 20.721 min Scan# 3013
Delta R.T. 0.011 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

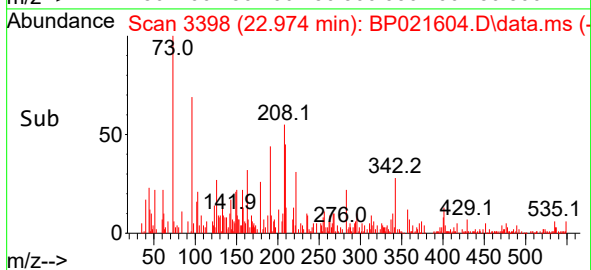
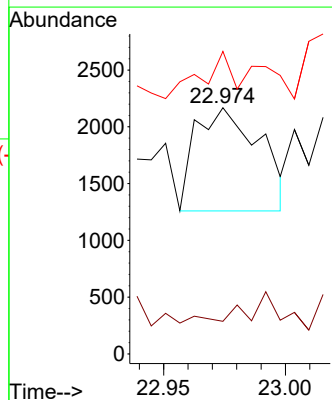
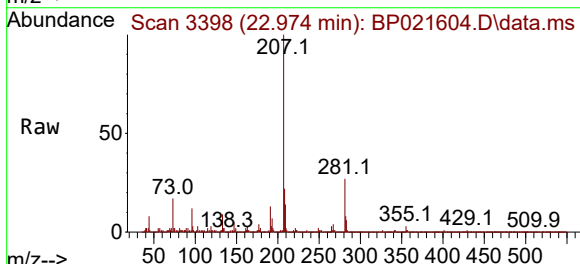
Instrument :
BNA_P
ClientSampleId :
VCPS-B2-081424-6W-DUP

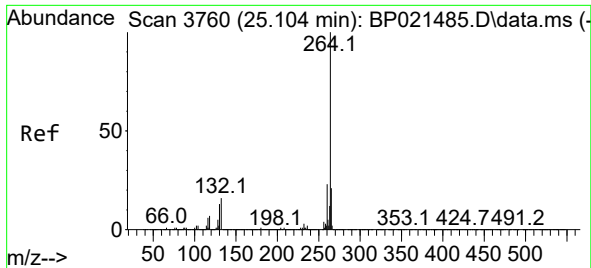
Tgt Ion:149 Resp: 443
Ion Ratio Lower Upper
149 100
91 85.9 73.3 109.9
206 0.0 17.1 25.7#



#85
Di-n-octyl phthalate
Concen: 4.856 ng
RT: 22.974 min Scan# 3398
Delta R.T. 0.011 min
Lab File: BP021604.D
Acq: 21 Aug 2024 19:35

Tgt Ion:149 Resp: 1670
Ion Ratio Lower Upper
149 100
167 20.3 1.3 1.9#
43 25.7 7.3 10.9#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.151 min Scan# 31
 Delta R.T. 0.047 min
 Lab File: BP021604.D
 Acq: 21 Aug 2024 19:35

Instrument :
 BNA_P
 ClientSampleId :
 VCPS-B2-081424-6W-DUP

Tgt Ion:264 Resp: 1398973
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.6 28.0
 265 21.7 17.1 25.7

