

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112322\
 Data File : BP012715.D
 Acq On : 23 Nov 2022 17:48
 Operator : CG/JU
 Sample : N5749-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-83

Quant Time: Nov 24 02:31:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 00:38:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

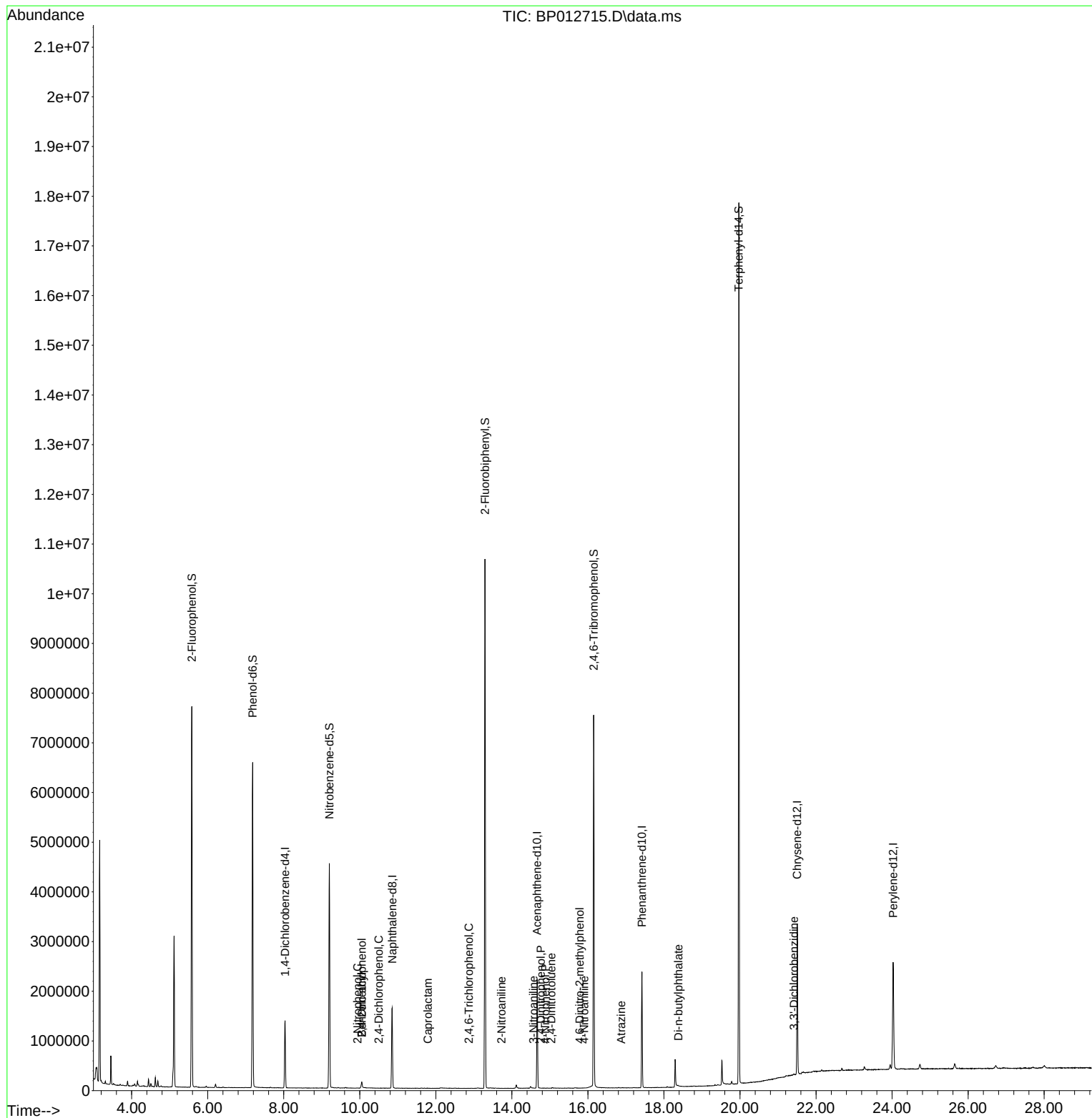
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.034	152	376018	20.000	ng	0.00
21) Naphthalene-d8	10.852	136	1376456	20.000	ng	0.00
39) Acenaphthene-d10	14.663	164	735100	20.000	ng	0.00
64) Phenanthrene-d10	17.422	188	1412501	20.000	ng	0.00
76) Chrysene-d12	21.504	240	1527819	20.000	ng	0.00
86) Perylene-d12	24.027	264	1743575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	3429679	197.602	ng	0.00
7) Phenol-d6	7.181	99	3905180	156.888	ng	0.00
23) Nitrobenzene-d5	9.199	82	2443624	99.010	ng	0.00
42) 2,4,6-Tribromophenol	16.151	330	1471128	152.441	ng	0.00
45) 2-Fluorobiphenyl	13.293	172	5574104	108.029	ng	0.00
79) Terphenyl-d14	19.969	244	8533453	118.710	ng	0.00
Target Compounds					Qvalue	
9) Benzaldehyde	7.181	77	6617	Below Cal	#	5
26) 2-Nitrophenol	9.940	139	36	4.412 ng	#	1
27) 2,4-Dimethylphenol	10.052	122	58709	3.783 ng	#	5
29) 2,4-Dichlorophenol	10.499	162	27	2.206 ng	#	1
32) Benzoic acid	10.052	122	58709	11.833 ng		96
35) Caprolactam	11.793	113	407	2.828 ng	#	81
43) 2,4,6-Trichlorophenol	12.869	196	11	4.184 ng		90
48) 2-Nitroaniline	13.728	65	116	4.816 ng	#	33
53) 3-Nitroaniline	14.569	138	141	3.686 ng	#	13
54) 2,4-Dinitrophenol	14.763	184	13	3.024 ng	#	1
56) 4-Nitrophenol	14.881	139	149	5.712 ng		87
57) 2,4-Dinitrotoluene	15.034	165	101	3.559 ng	#	15
62) 4-Nitroaniline	15.904	138	117	4.615 ng		80
65) 4,6-Dinitro-2-methylph...	15.787	198	73	3.697 ng	#	1
69) Atrazine	16.875	200	40	4.029 ng	#	1
74) Di-n-butylphthalate	18.375	149	11300	5.837 ng	#	95
80) Butylbenzylphthalate	20.480	149	317	Below Cal		86
82) 3,3'-Dichlorobenzidine	21.422	252	994	8.649 ng	#	65
84) Bis(2-ethylhexyl)phtha...	21.410	149	6986	Below Cal	#	91
85) Di-n-octyl phthalate	22.386	149	493	Below Cal	#	56

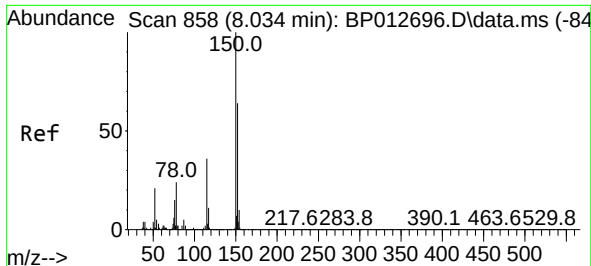
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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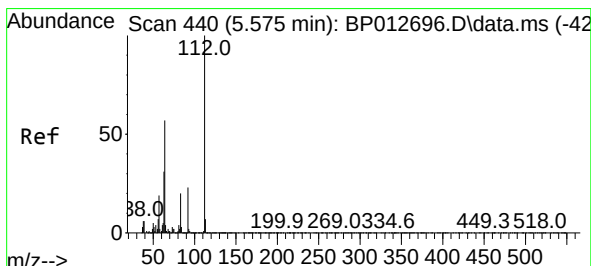
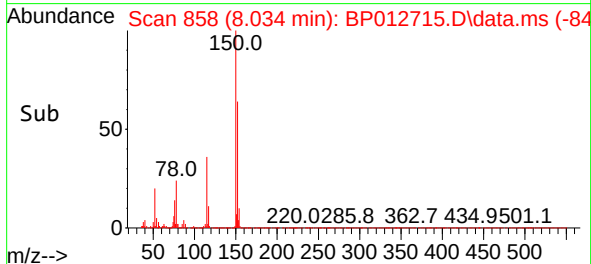
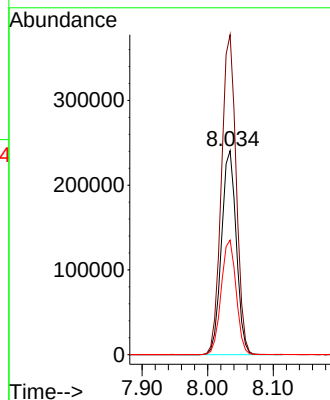
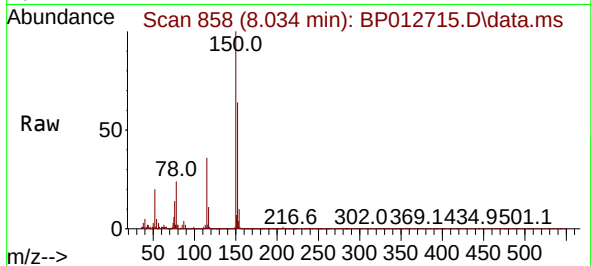




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.034 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

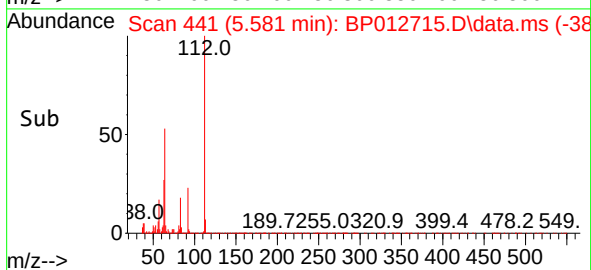
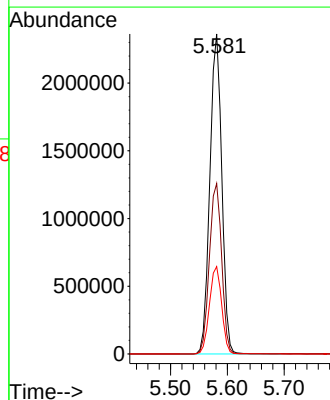
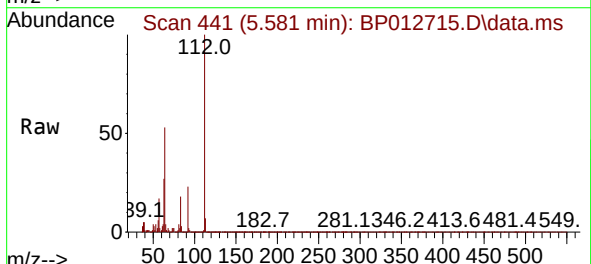
Instrument :
BNA_P
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MH-83

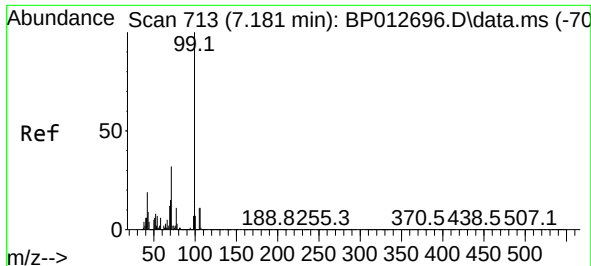
Tgt Ion:152 Resp: 376018
Ion Ratio Lower Upper
152 100
150 156.8 126.0 189.0
115 56.2 44.9 67.3



#5
2-Fluorophenol
Concen: 197.602 ng
RT: 5.581 min Scan# 441
Delta R.T. 0.006 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion:112 Resp: 3429679
Ion Ratio Lower Upper
112 100
64 53.3 45.4 68.0
63 27.3 24.6 37.0



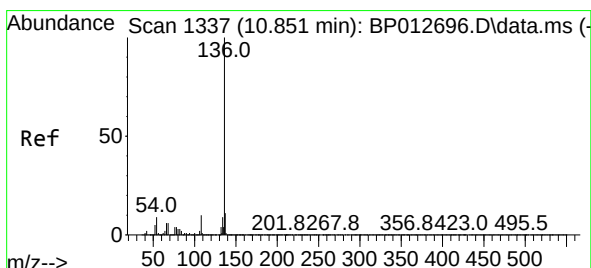
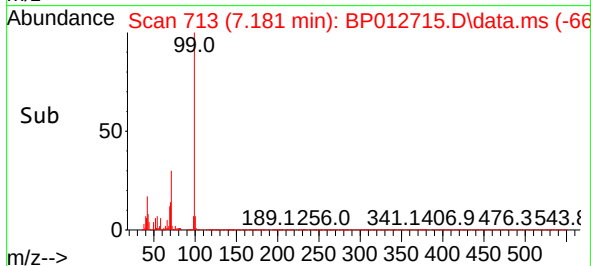
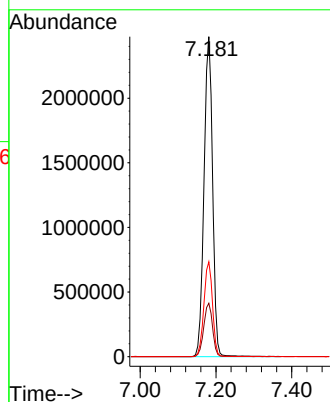
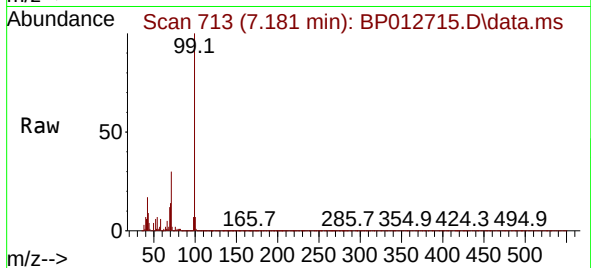


#7
Phenol-d6
Concen: 156.888 ng
RT: 7.181 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Instrument :
BNA_P
ClientSampleId :
MH-83

Tgt Ion: 99 Resp: 3905180

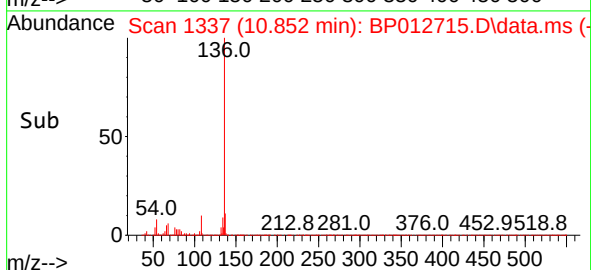
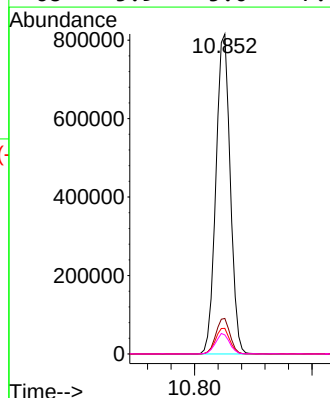
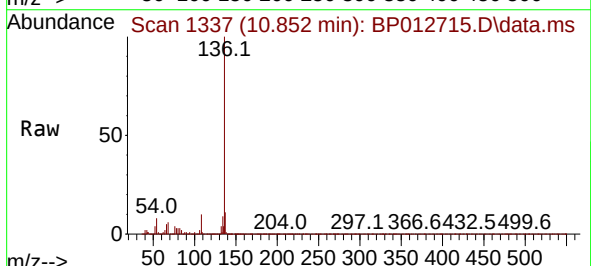
Ion	Ratio	Lower	Upper
99	100		
42	16.7	15.0	22.6
71	29.6	25.3	37.9

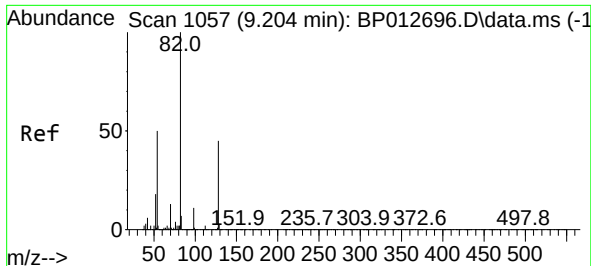


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.852 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion: 136 Resp: 1376456

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.0	6.9	10.3
68	5.9	5.0	7.6





#23

Nitrobenzene-d5

Concen: 99.010 ng

RT: 9.199 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP012715.D

Acq: 23 Nov 2022 17:48

Instrument :

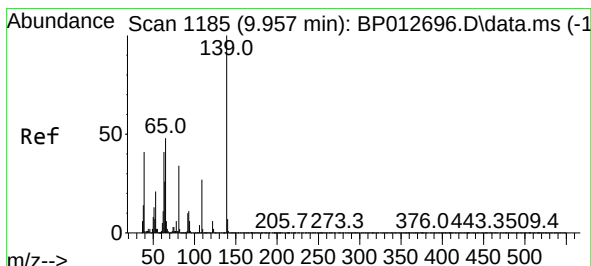
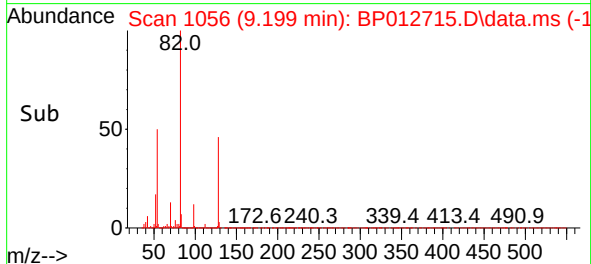
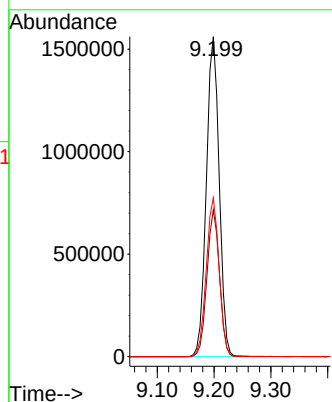
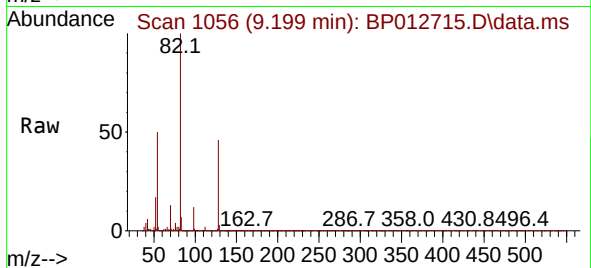
BNA_P

ClientSampleId :

MH-83

Tgt Ion: 82 Resp: 2443624

Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.6	53.4
54	49.6	40.3	60.5



#26

2-Nitrophenol

Concen: 4.412 ng

RT: 9.940 min Scan# 1182

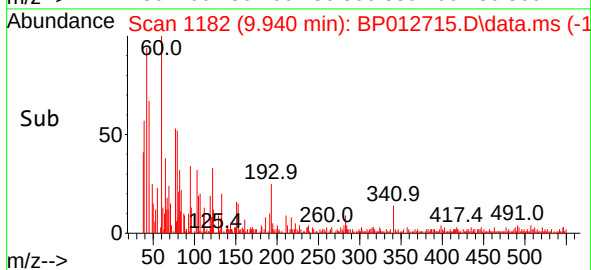
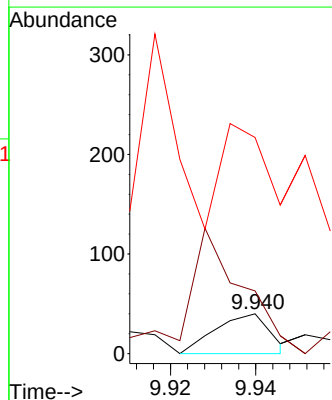
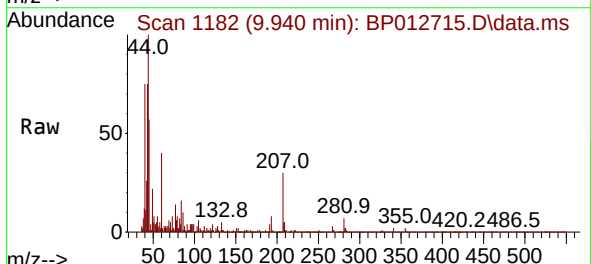
Delta R.T. -0.017 min

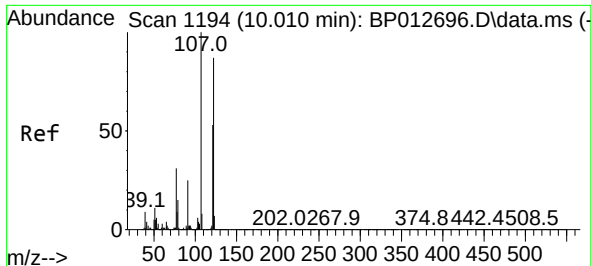
Lab File: BP012715.D

Acq: 23 Nov 2022 17:48

Tgt Ion: 139 Resp: 36

Ion	Ratio	Lower	Upper
139	100		
109	157.5	21.5	32.3#
65	542.5	38.3	57.5#

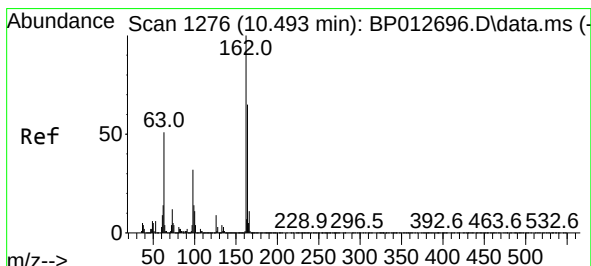
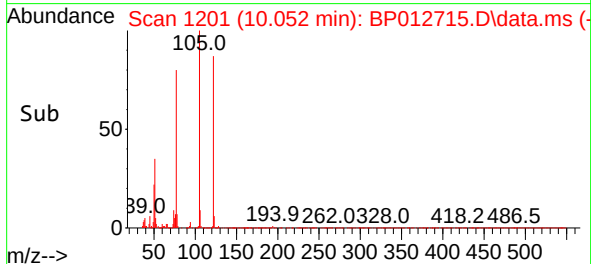
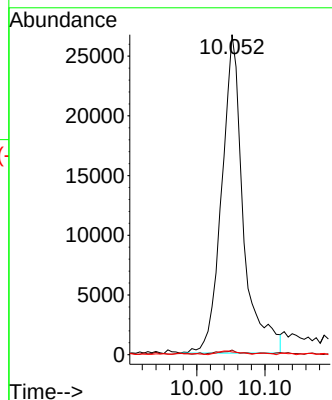
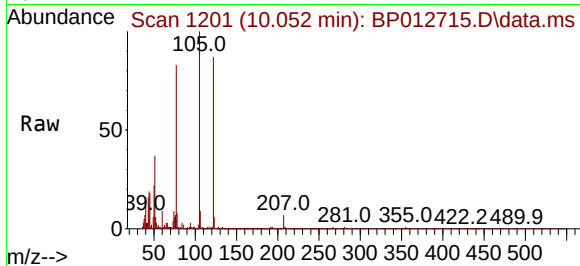




#27
2,4-Dimethylphenol
Concen: 3.783 ng
RT: 10.052 min Scan# 1194
Delta R.T. 0.041 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

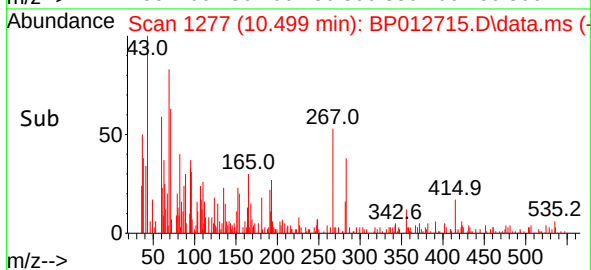
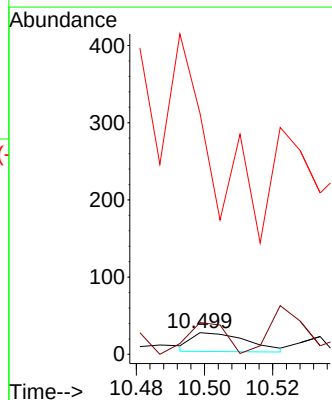
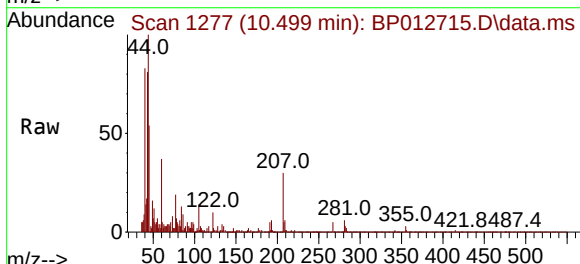
Instrument :
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ClientSampleId :
MH-83

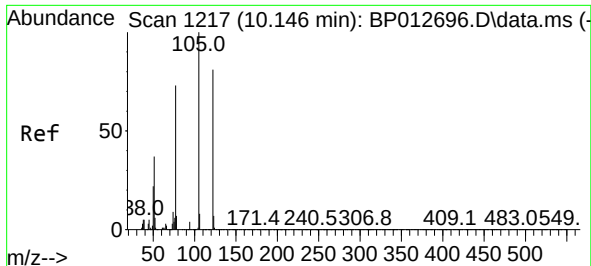
Tgt Ion:122 Resp: 58709
Ion Ratio Lower Upper
122 100
107 1.5 90.9 136.3#
121 0.9 47.8 71.6#



#29
2,4-Dichlorophenol
Concen: 2.206 ng
RT: 10.499 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion:162 Resp: 27
Ion Ratio Lower Upper
162 100
164 146.4 44.9 84.9#
98 1114.3 12.5 52.5#

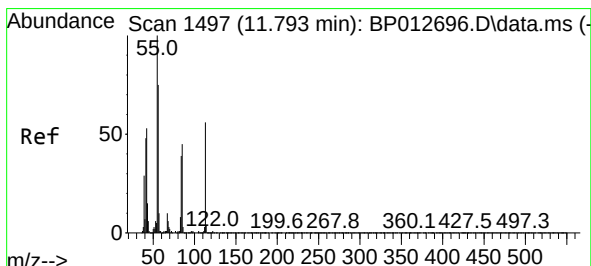
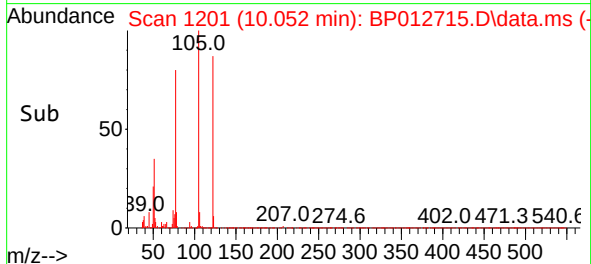
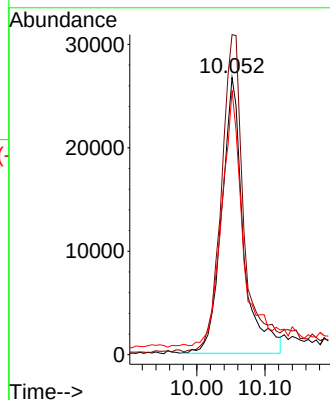
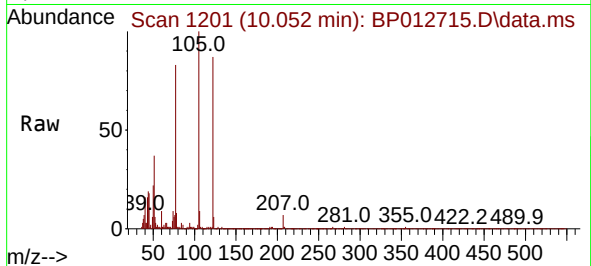




#32
Benzoic acid
Concen: 11.833 ng
RT: 10.052 min Scan# 1201
Delta R.T. -0.094 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

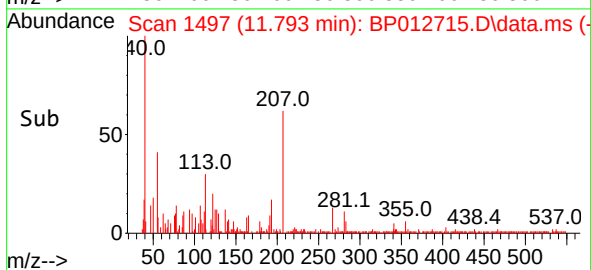
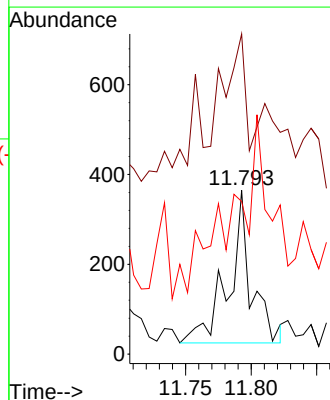
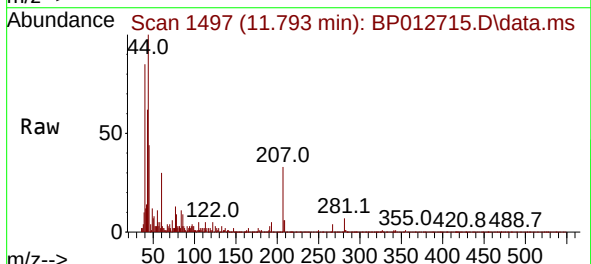
Instrument :
BNA_P
ClientSampleId :
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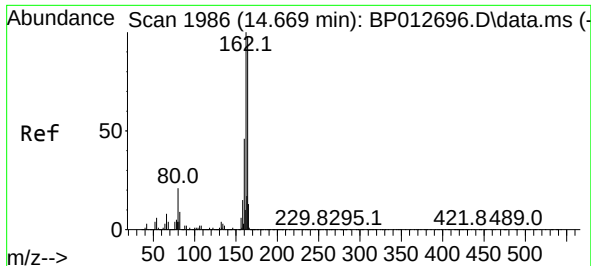
Tgt Ion:122 Resp: 58709
Ion Ratio Lower Upper
122 100
105 115.5 98.3 138.3
77 95.4 70.6 110.6



#35
Caprolactam
Concen: 2.828 ng
RT: 11.793 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion:113 Resp: 407
Ion Ratio Lower Upper
113 100
55 176.0 158.0 198.0
56 84.0 114.1 154.1#

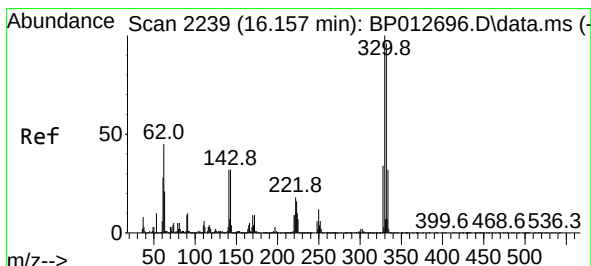
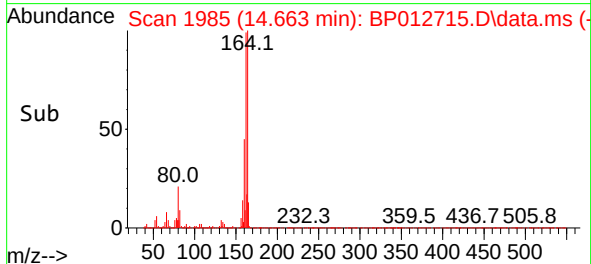
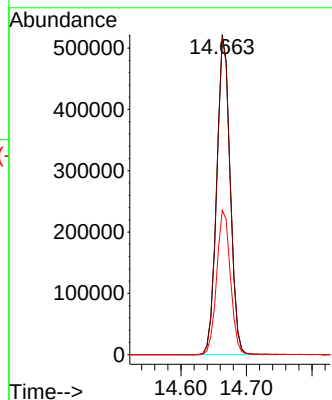
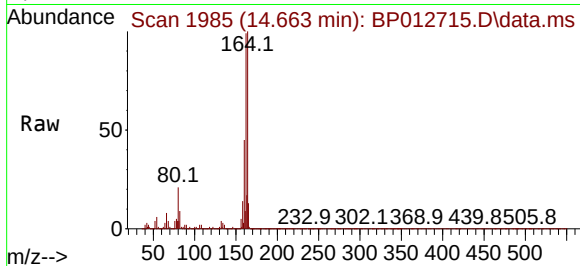




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

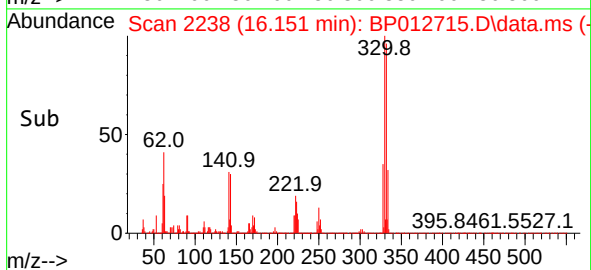
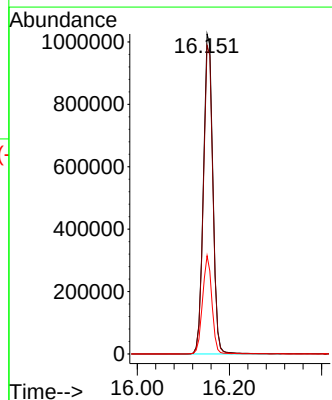
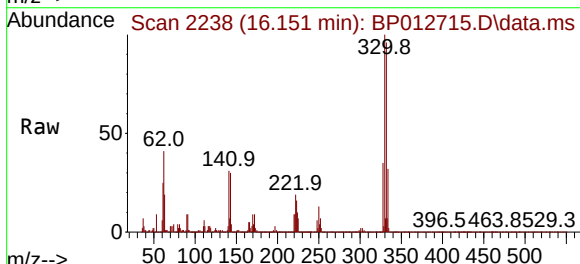
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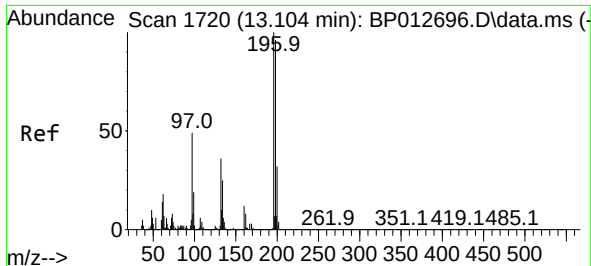
Tgt Ion:164 Resp: 735100
Ion Ratio Lower Upper
164 100
162 99.2 81.3 121.9
160 45.1 37.6 56.4



#42
2,4,6-Tribromophenol
Concen: 152.441 ng
RT: 16.151 min Scan# 2238
Delta R.T. -0.006 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion:330 Resp: 1471128
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 30.3 25.2 37.8

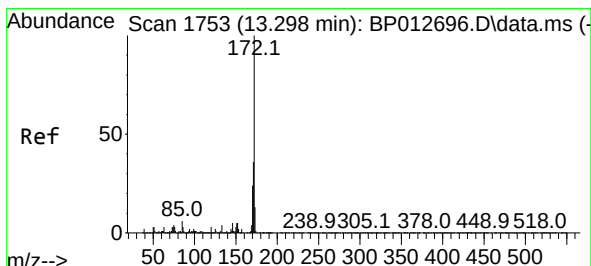
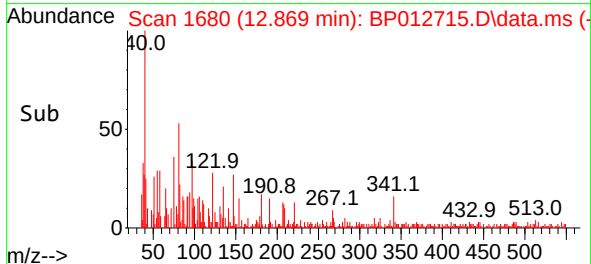
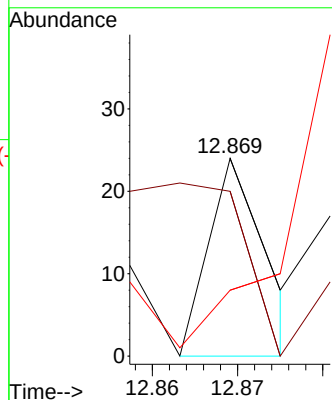
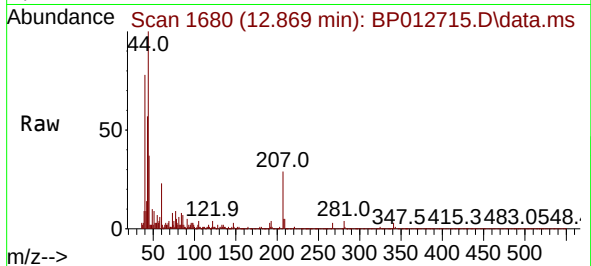




#43
2,4,6-Trichlorophenol
Concen: 4.184 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.235 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

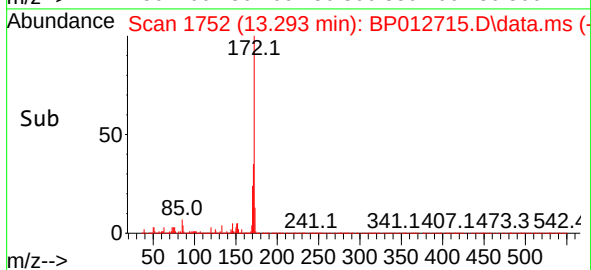
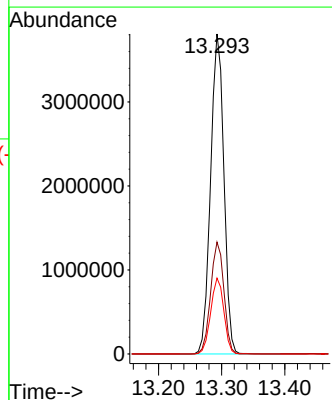
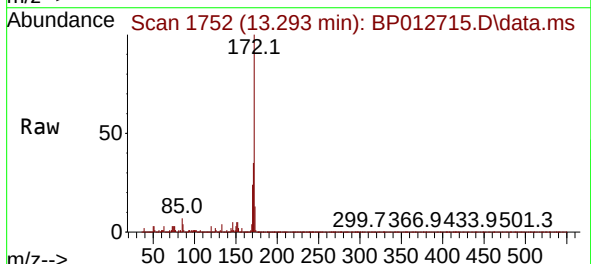
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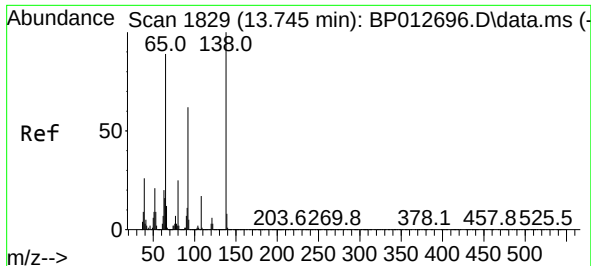
Tgt Ion:196 Resp: 11
Ion Ratio Lower Upper
196 100
198 83.3 76.6 115.0
200 33.3 25.2 37.8



#45
2-Fluorobiphenyl
Concen: 108.029 ng
RT: 13.293 min Scan# 1752
Delta R.T. -0.005 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion:172 Resp: 5574104
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.7 19.1 28.7

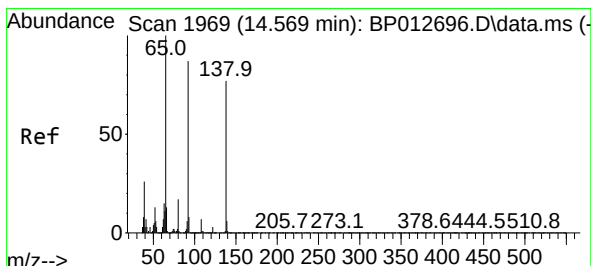
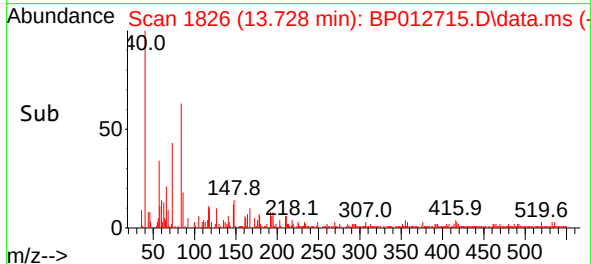
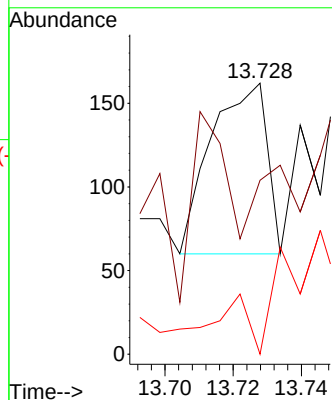
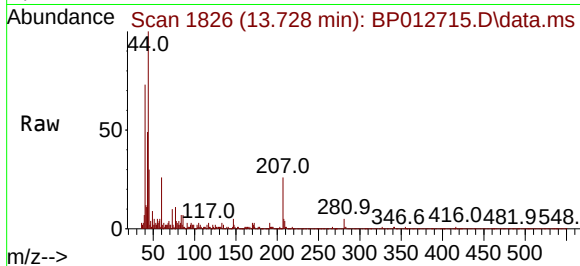




#48
2-Nitroaniline
Concen: 4.816 ng
RT: 13.728 min Scan# 1826
Delta R.T. -0.017 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

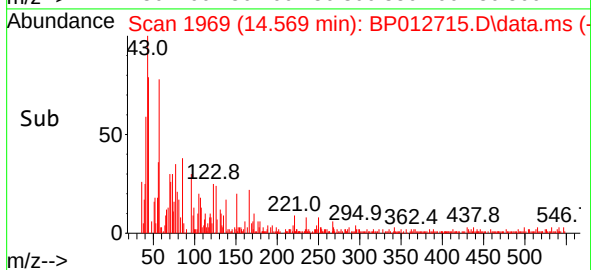
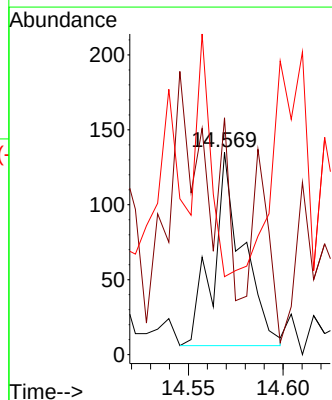
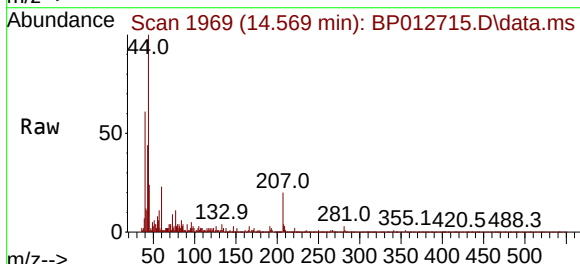
Instrument :
BNA_P
ClientSampleId :
MH-83

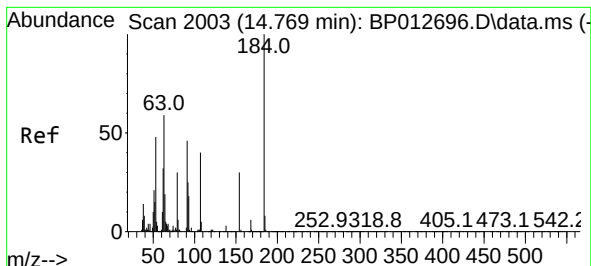
Tgt Ion: 65 Resp: 116
Ion Ratio Lower Upper
65 100
92 64.2 55.4 83.2
138 0.0 89.5 134.3#



#53
3-Nitroaniline
Concen: 3.686 ng
RT: 14.569 min Scan# 1969
Delta R.T. 0.000 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion: 138 Resp: 141
Ion Ratio Lower Upper
138 100
108 117.0 7.4 11.2#
92 38.5 91.3 136.9#

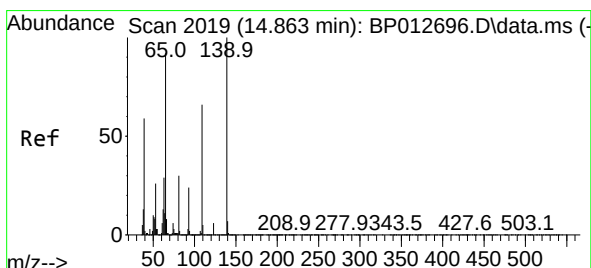
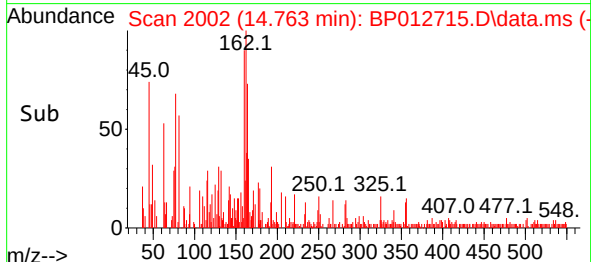
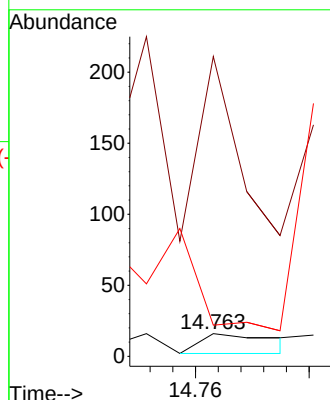
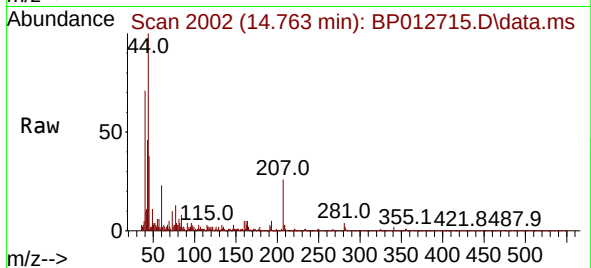




#54
2,4-Dinitrophenol
Concen: 3.024 ng
RT: 14.763 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

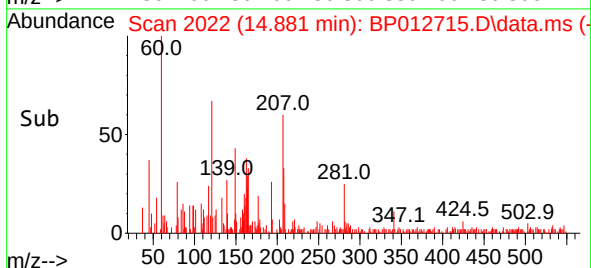
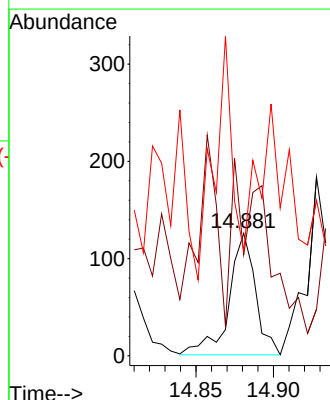
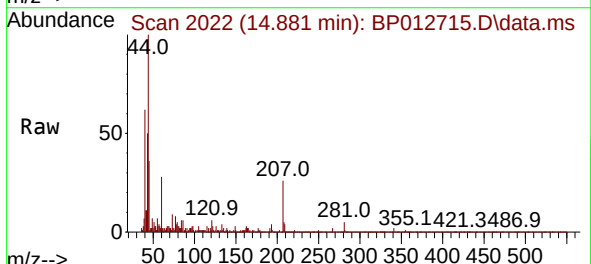
Instrument :
BNA_P
ClientSampleId :
MH-83

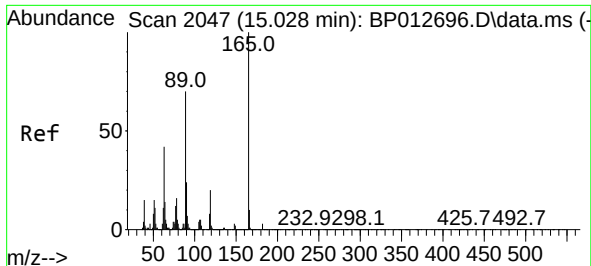
Tgt Ion:184 Resp: 13
Ion Ratio Lower Upper
184 100
63 1318.8 50.0 75.0#
154 137.5 45.5 68.3#



#56
4-Nitrophenol
Concen: 5.712 ng
RT: 14.881 min Scan# 2022
Delta R.T. 0.018 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion:139 Resp: 149
Ion Ratio Lower Upper
139 100
109 82.5 46.1 86.1
65 85.7 72.5 112.5

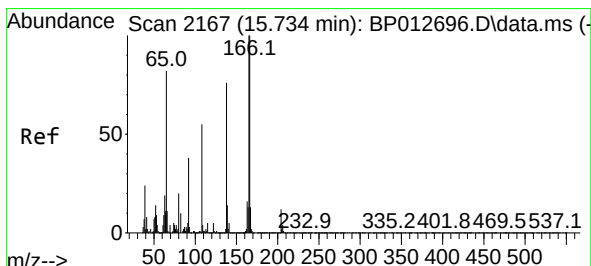
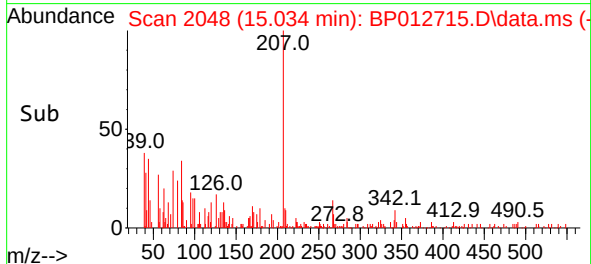
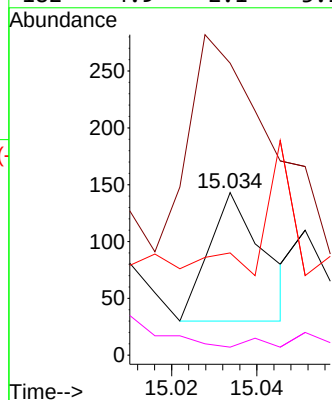
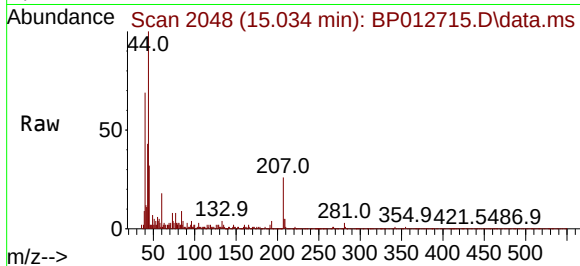




#57
2,4-Dinitrotoluene
Concen: 3.559 ng
RT: 15.034 min Scan# 2048
Delta R.T. 0.006 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

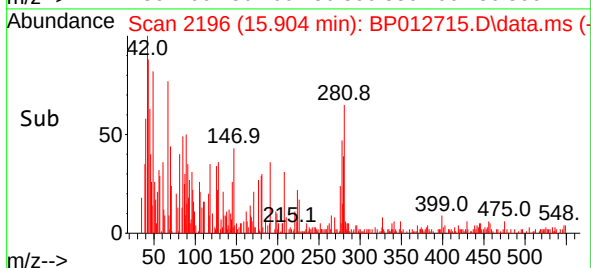
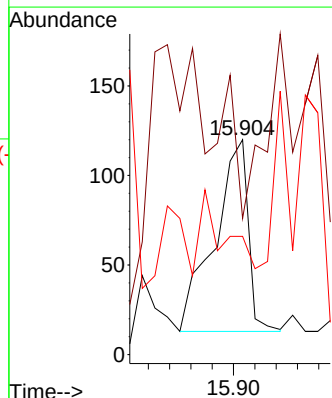
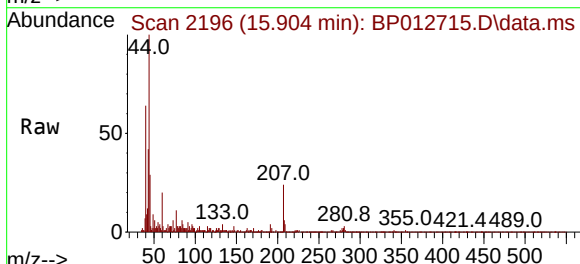
Instrument :
BNA_P
ClientSampleId :
MH-83

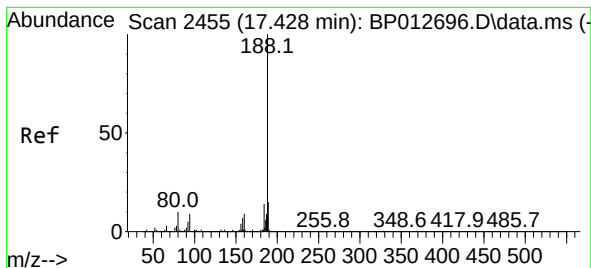
Tgt Ion:165 Resp: 101
Ion Ratio Lower Upper
165 100
63 179.7 33.7 50.5#
89 62.9 56.3 84.5
182 4.9 2.1 3.1#



#62
4-Nitroaniline
Concen: 4.615 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.170 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion:138 Resp: 117
Ion Ratio Lower Upper
138 100
92 63.3 29.6 69.6
108 55.0 51.4 91.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.422 min Scan# 2455

Delta R.T. -0.006 min

Lab File: BP012715.D

Acq: 23 Nov 2022 17:48

Instrument :

BNA_P

ClientSampleId :

MH-83

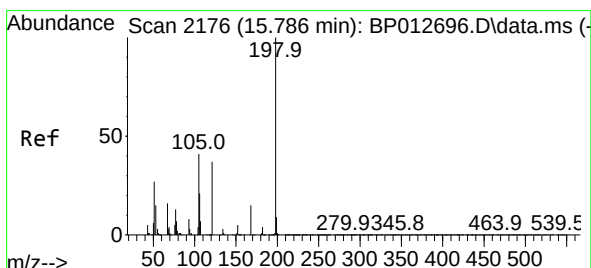
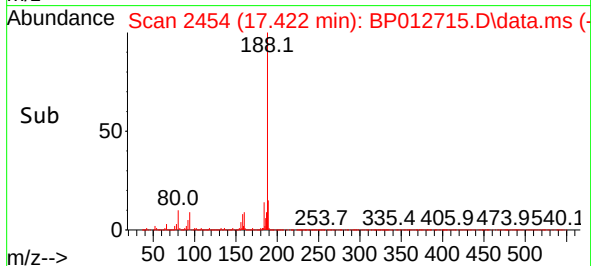
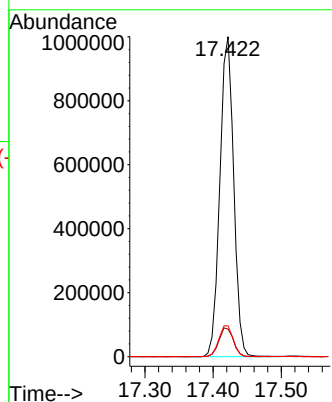
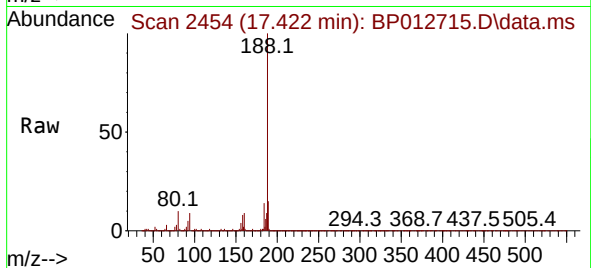
Tgt Ion:188 Resp: 1412501

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

80 9.6 7.8 11.6



#65

4,6-Dinitro-2-methylphenol

Concen: 3.697 ng

RT: 15.787 min Scan# 2176

Delta R.T. 0.001 min

Lab File: BP012715.D

Acq: 23 Nov 2022 17:48

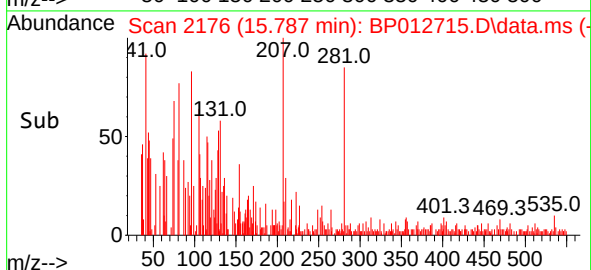
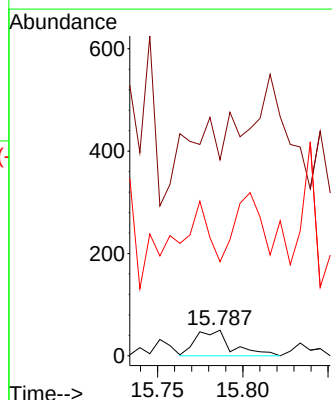
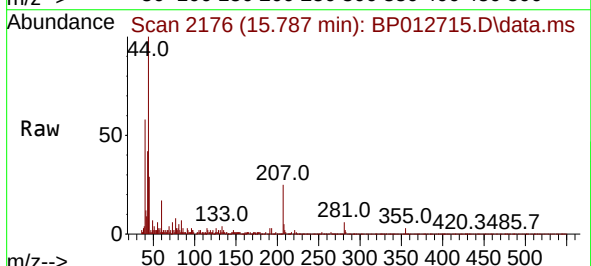
Tgt Ion:198 Resp: 73

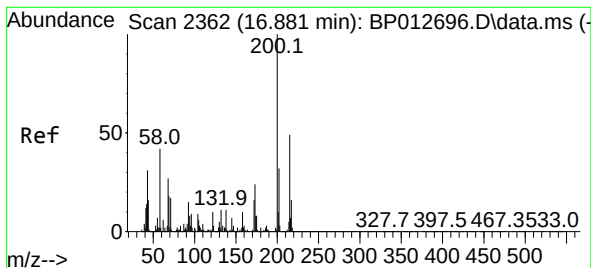
Ion Ratio Lower Upper

198 100

51 766.0 25.7 65.7#

105 368.0 22.8 62.8#





#69

Atrazine

Concen: 4.029 ng

RT: 16.875 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP012715.D

Acq: 23 Nov 2022 17:48

Instrument :

BNA_P

ClientSampleId :

MH-83

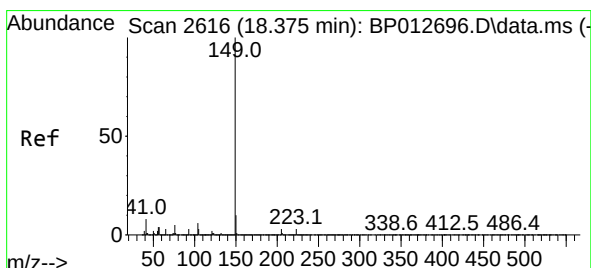
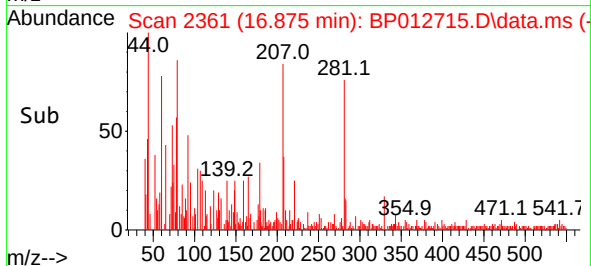
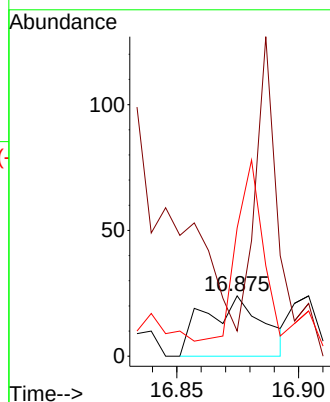
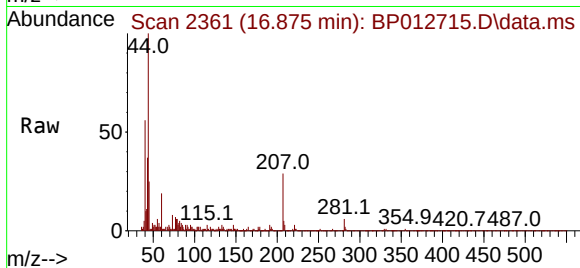
Tgt Ion:200 Resp: 40

Ion Ratio Lower Upper

200 100

173 41.7 4.3 44.3

215 212.5 29.5 69.5#



#74

Di-n-butylphthalate

Concen: 5.837 ng

RT: 18.375 min Scan# 2616

Delta R.T. -0.000 min

Lab File: BP012715.D

Acq: 23 Nov 2022 17:48

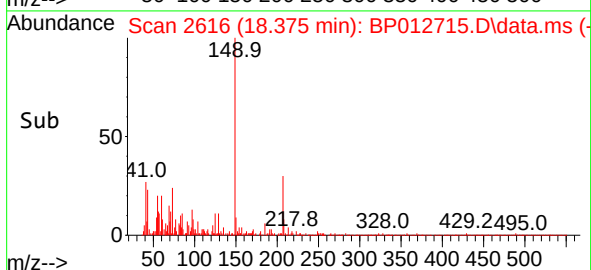
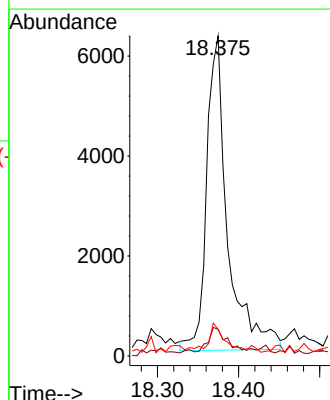
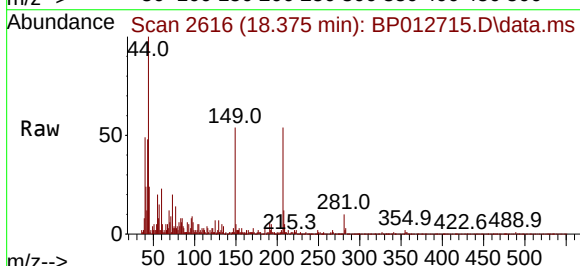
Tgt Ion:149 Resp: 11300

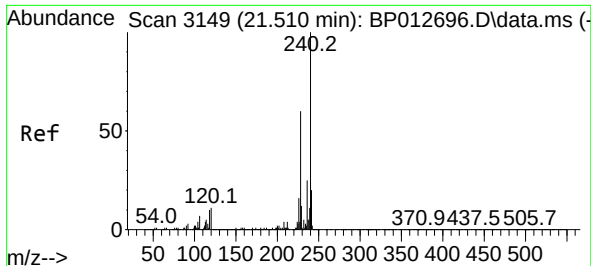
Ion Ratio Lower Upper

149 100

150 8.4 7.7 11.5

104 8.3 4.6 6.8#

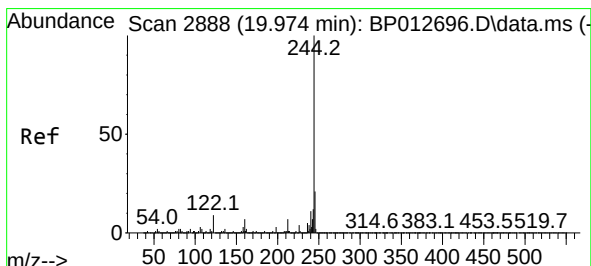
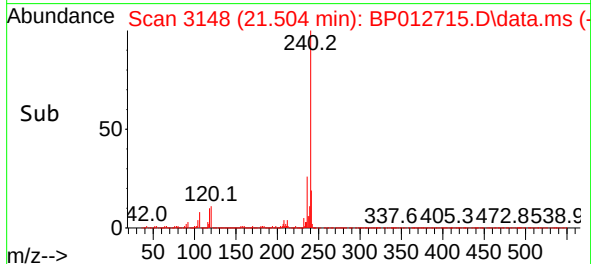
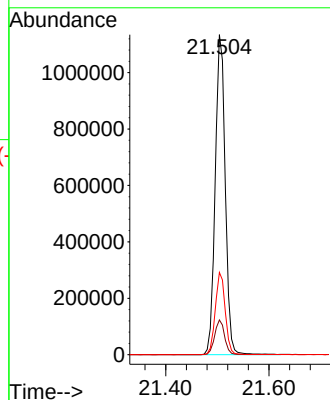
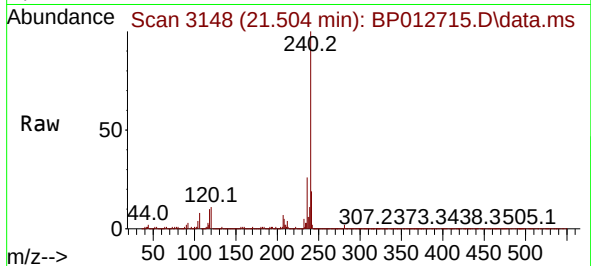




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.504 min Scan# 3149
Delta R.T. -0.006 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

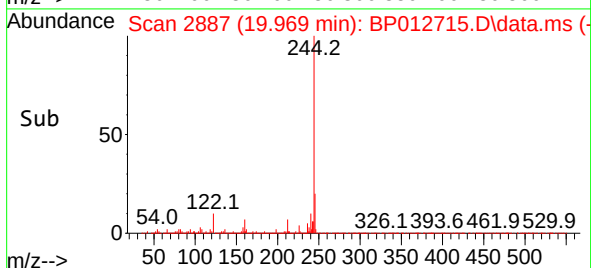
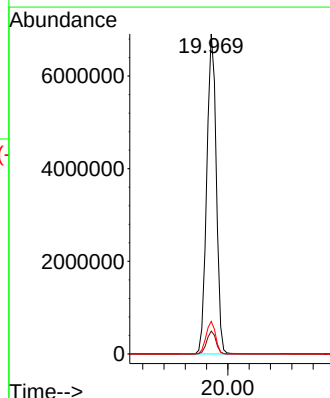
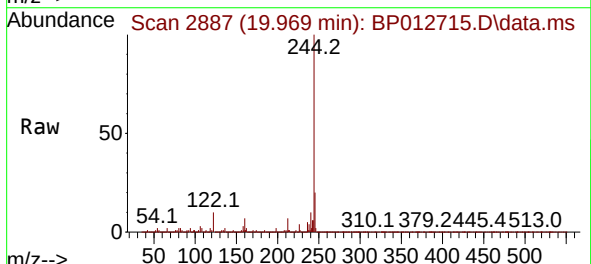
Instrument :
BNA_P
ClientSampleId :
MH-83

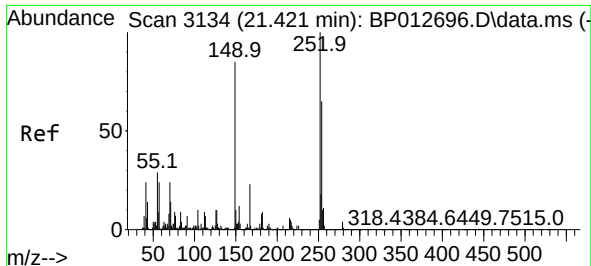
Tgt Ion:240 Resp: 1527819
Ion Ratio Lower Upper
240 100
120 10.9 8.6 12.8
236 25.7 20.4 30.6



#79
Terphenyl-d14
Concen: 118.710 ng
RT: 19.969 min Scan# 2887
Delta R.T. -0.006 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion:244 Resp: 8533453
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 10.2 6.9 10.3

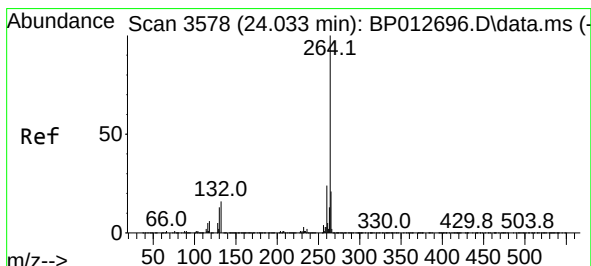
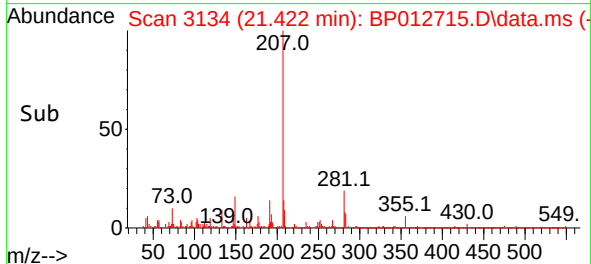
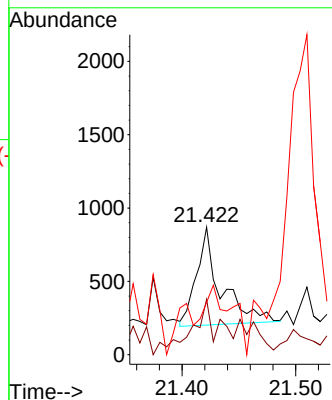
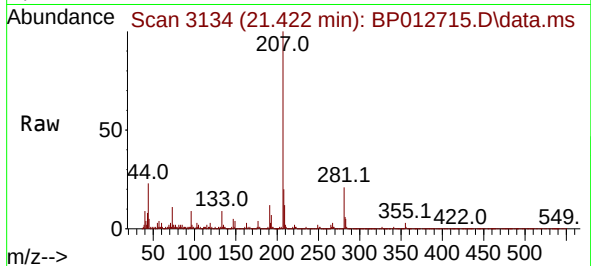




#82
3,3'-Dichlorobenzidine
Concen: 8.649 ng
RT: 21.422 min Scan# 3134
Delta R.T. 0.001 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Instrument :
BNA_P
ClientSampleId :
MH-83

Tgt Ion:252 Resp: 994
Ion Ratio Lower Upper
252 100
254 43.4 51.7 77.5#
126 41.0 7.7 11.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.027 min Scan# 3577
Delta R.T. -0.006 min
Lab File: BP012715.D
Acq: 23 Nov 2022 17:48

Tgt Ion:264 Resp: 1743575
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 21.9 17.1 25.7

