

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051024\
 Data File : BP020337.D
 Acq On : 12 May 2024 02:39
 Operator : MA/JU
 Sample : P2371-07
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A43R9

Quant Time: May 13 00:26:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 13 00:21:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	76947	20.000	ng/ul	0.02
20) Naphthalene-d8	10.393	136	305386	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.287	164	203323	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.139	188	452273	20.000	ng/ul	0.01
79) Chrysene-d12	21.622	240	484077	20.000	ng/ul	0.00
88) Perylene-d12	24.980	264	579388	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.211	96	6278	3.446	ng/uL	0.00
4) Pyridine-d5	3.628	84	41646	7.867	ng/ul	0.01
7) Phenol-d5	6.805	99	191267	28.944	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.993	67	342943	85.432	ng/ul	0.03
11) 2-Chlorophenol-d4	7.158	132	115285	24.404	ng/ul	0.01
15) 4-Methylphenol-d8	8.334	113	89831	16.814	ng/ul	0.01
21) Nitrobenzene-d5	8.616	128	25780	11.273	ng/ul	-0.15
24) 2-Nitrophenol-d4	9.493	143	64332	24.566	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.028	165	114256	23.909	ng/ul	0.00
31) 4-Chloroaniline-d4	10.552	131	106442	15.914	ng/ul	0.00
46) Dimethylphthalate-d6	13.710	166	360121	24.254	ng/ul	0.00
49) Acenaphthylene-d8	13.975	160	414676	25.282	ng/ul	0.00
54) 4-Nitrophenol-d4	14.592	143	49140	21.534	ng/ul	0.02
60) Fluorene-d10	15.310	176	319496	25.798	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	48228	16.804	ng/ul	0.00
73) Anthracene-d10	17.234	188	506055	25.865	ng/ul	0.00
81) Pyrene-d10	19.633	212	651615	23.028	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.751	264	695786	24.837	ng/ul	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.775	77	173885	52.351	ng/ul#	1
8) Phenol	6.834	94	10000	1.466	ng/ul#	1
10) Bis(2-Chloroethyl)ether	7.099	93	14432	2.704	ng/ul#	1
16) Acetophenone	8.558	105	418627	47.212	ng/ul	93
17) N-Nitroso-di-n-propyla...	8.481	70	290868	60.449	ng/ul#	67
19) Hexachloroethane	8.710	117	360835	159.980	ng/ul#	5
22) Nitrobenzene	8.793	77	99075	15.092	ng/ul#	39
23) Isophorone	9.310	82	239871	19.002	ng/ul#	1
25) 2-Nitrophenol	9.505	139	21659	7.985	ng/ul#	1
26) 2,4-Dimethylphenol	9.593	107	85566	14.459	ng/ul#	71
27) Bis(2-Chloroethoxy)met...	9.799	93	18581	2.655	ng/ul#	1
29) 2,4-Dichlorophenol	10.034	162	12163	2.617	ng/ul#	59
30) Naphthalene	10.446	128	97836	6.215	ng/ul#	76
34) Caprolactam	11.399	113	20779	12.802	ng/ul#	23
36) 2-Methylnaphthalene	12.069	142	63599	5.807	ng/ul	99
37) 1-Methylnaphthalene	12.287	142	61744	5.602	ng/ul	96
53) 2,4-Dinitrophenol	14.451	184	2062	1.127	ng/ul#	42
55) 4-Nitrophenol	14.587	109	5087	2.141	ng/ul#	11
58) 2,3,4,6-Tetrachlorophenol	14.951	232	8839	2.300	ng/ul#	80
71) Pentachlorophenol	16.781	266	190135	55.439	ng/ul	99
72) Phenanthrene	17.175	178	93653	4.059	ng/ul	96
80) Fluoranthene	19.280	202	113516	3.409	ng/ul#	87
82) Pyrene	19.663	202	155570	4.490	ng/ul#	90
85) Benzo(a)anthracene	21.604	228	45434	1.384	ng/ul#	90

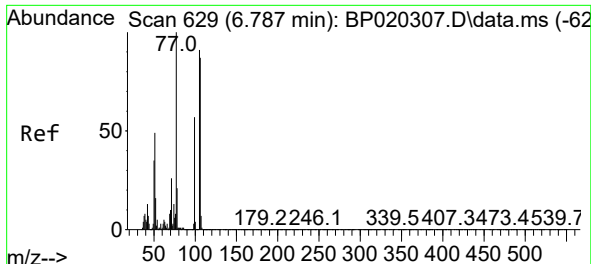
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051024\
Data File : BP020337.D
Acq On : 12 May 2024 02:39
Operator : MA/JU
Sample : P2371-07
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
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Quant Time: May 13 00:26:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 13 00:21:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Bis(2-ethylhexyl)phtha...	21.545	149	107012	5.640	ng/ul#	96
87) Chrysene	21.604	228	45434	1.493	ng/ul	94
90) Benzo(b)fluoranthene	23.921	252	63760	1.850	ng/ul#	87
91) Benzo(k)fluoranthene	23.921	252	63760	1.815	ng/ul#	85
93) Benzo(a)pyrene	24.815	252	39074	1.191	ng/ul#	87
96) Benzo(g,h,i)perylene	29.974	276	39395	1.215	ng/ul#	92

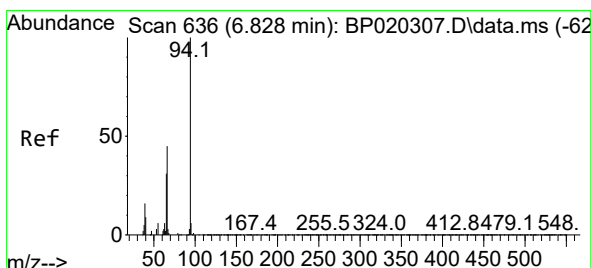
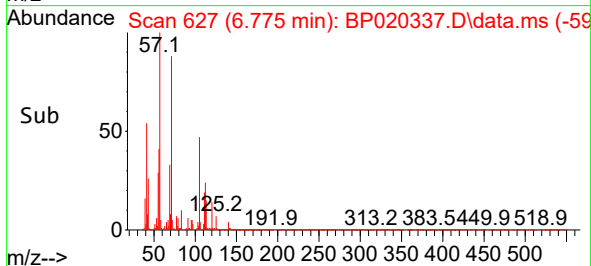
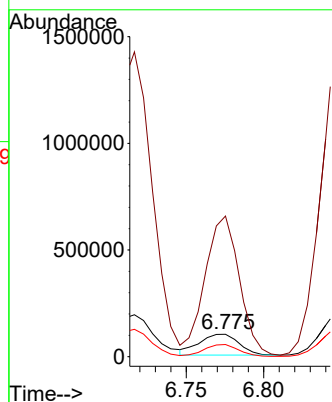
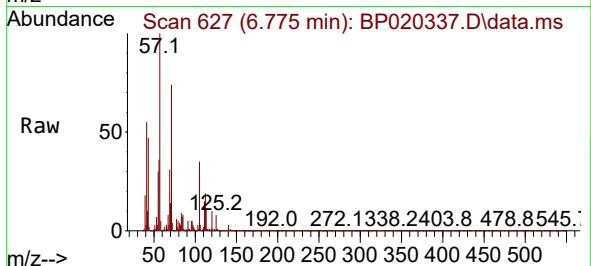
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6
Benzaldehyde
Concen: 52.351 ng/ul
RT: 6.775 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

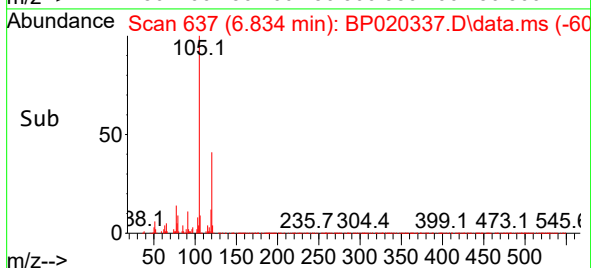
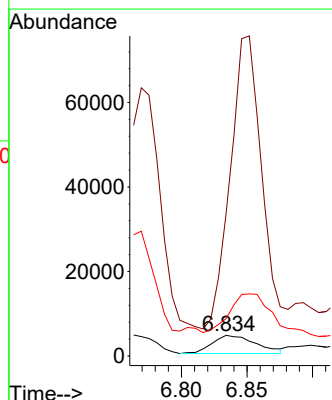
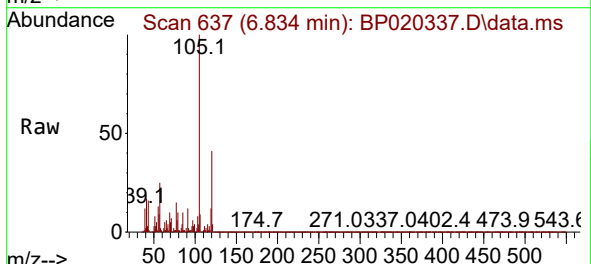
Instrument :
BNA_P
ClientSampleId :
A43R9

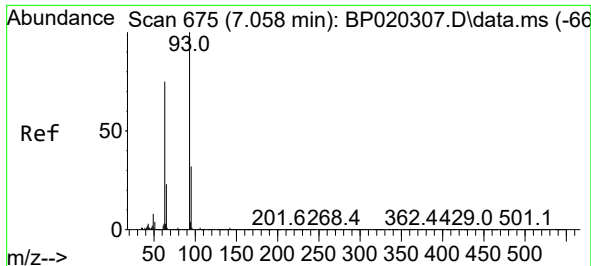
Tgt Ion: 77 Resp: 173885
Ion Ratio Lower Upper
77 100
105 629.1 75.4 113.2#
106 54.3 68.2 102.2#



#8
Phenol
Concen: 1.466 ng/ul
RT: 6.834 min Scan# 637
Delta R.T. 0.006 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

Tgt Ion: 94 Resp: 10000
Ion Ratio Lower Upper
94 100
65 691.8 26.1 39.1#
66 181.6 38.6 57.8#





#10

Bis(2-Chloroethyl)ether

Concen: 2.704 ng/ul

RT: 7.099 min Scan# 61

Delta R.T. 0.041 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

Instrument :

BNA_P

ClientSampleId :

A43R9

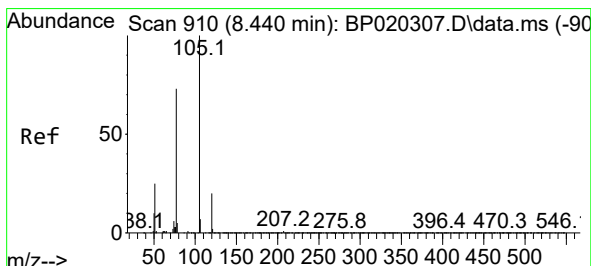
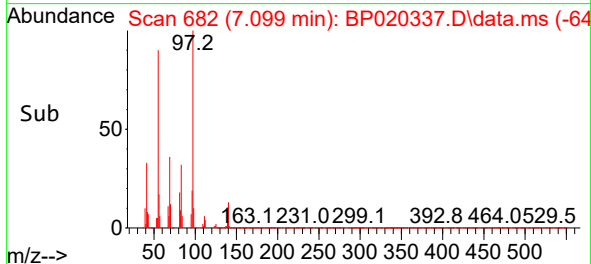
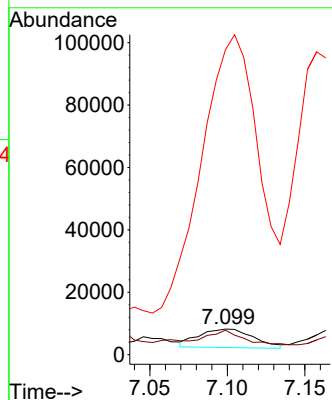
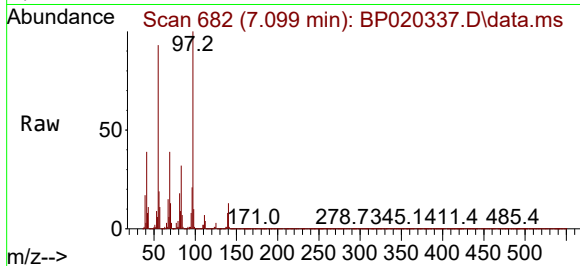
Tgt Ion: 93 Resp: 14432

Ion Ratio Lower Upper

93 100

63 95.8 59.5 89.3#

95 1194.0 25.3 37.9#



#16

Acetophenone

Concen: 47.212 ng/ul

RT: 8.558 min Scan# 930

Delta R.T. 0.118 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

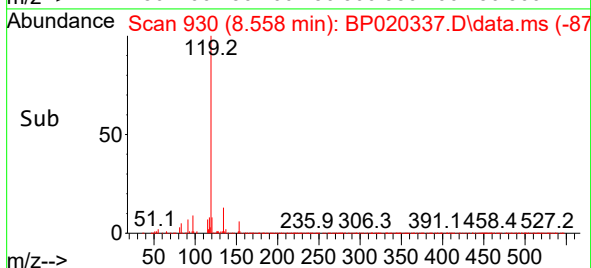
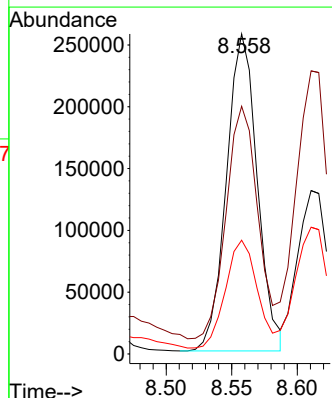
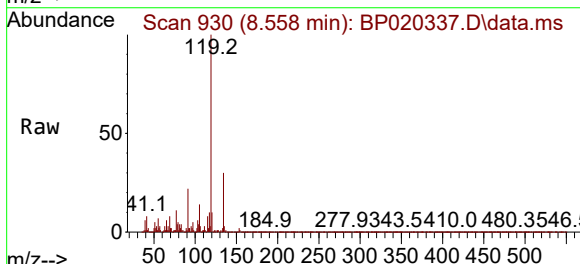
Tgt Ion: 105 Resp: 418627

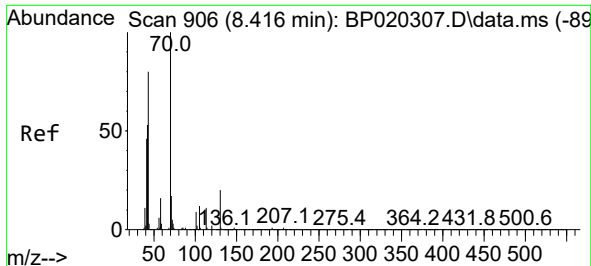
Ion Ratio Lower Upper

105 100

77 77.4 66.4 99.6

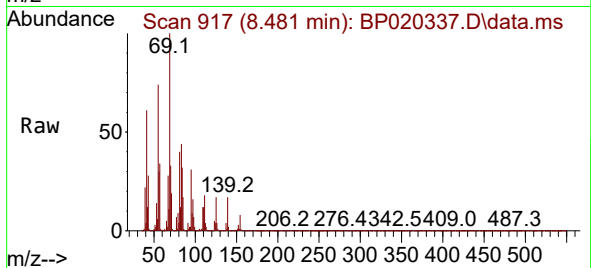
51 35.6 23.9 35.9





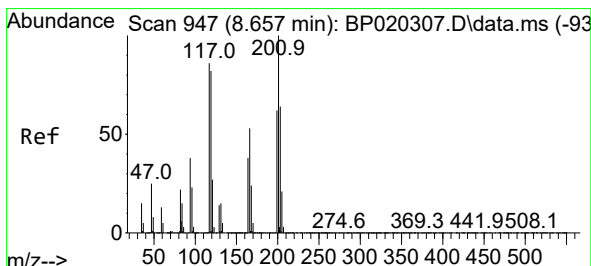
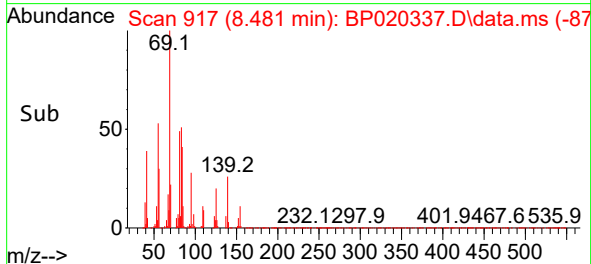
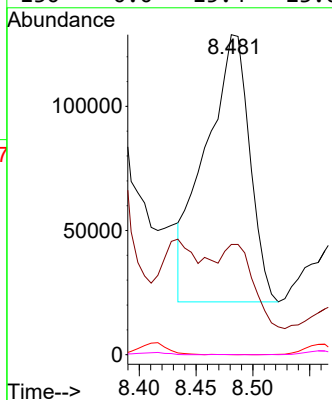
#17
N-Nitroso-di-n-propylamine
Concen: 60.449 ng/ul
RT: 8.481 min Scan# 917
Delta R.T. 0.065 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

Instrument :
BNA_P
ClientSampleId :
A43R9



Tgt Ion: 70 Resp: 290868

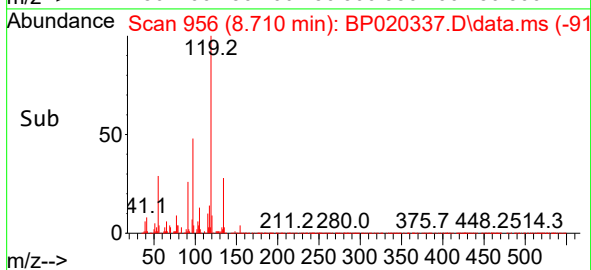
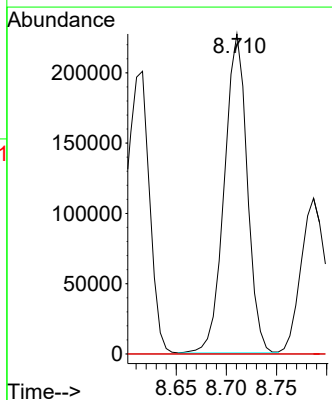
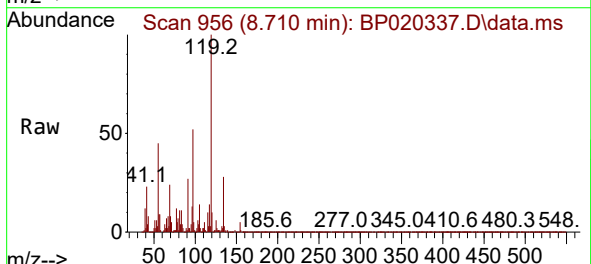
Ion	Ratio	Lower	Upper
70	100		
42	34.4	46.2	69.4#
101	0.0	7.8	11.6#
130	0.0	15.4	23.0#

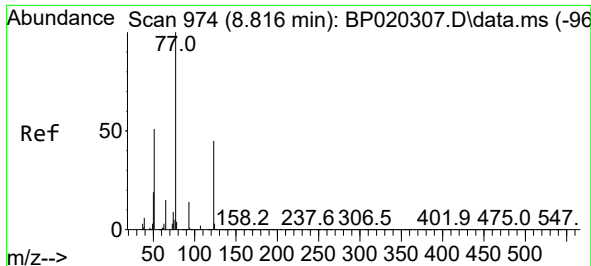


#19
Hexachloroethane
Concen: 159.980 ng/ul
RT: 8.710 min Scan# 956
Delta R.T. 0.053 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

Tgt Ion: 117 Resp: 360835

Ion	Ratio	Lower	Upper
117	100		
201	0.0	84.0	126.0#
199	0.0	53.4	80.2#

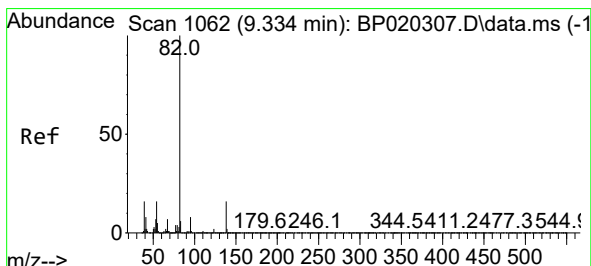
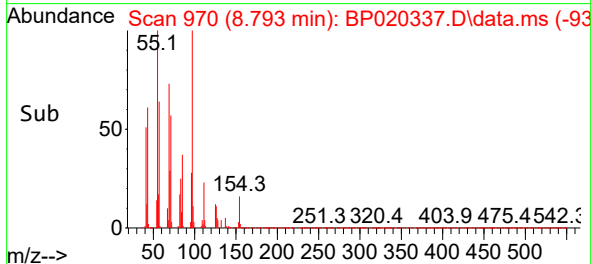
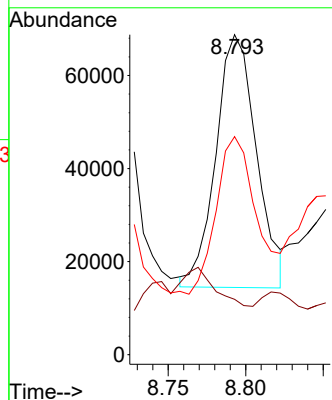
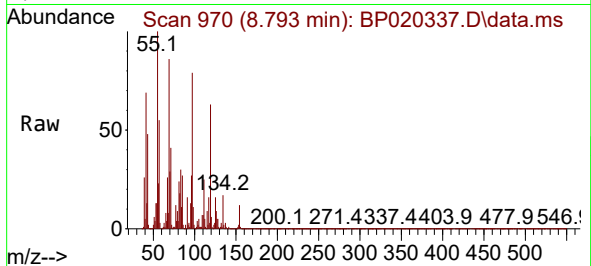




#22
Nitrobenzene
Concen: 15.092 ng/ul
RT: 8.793 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

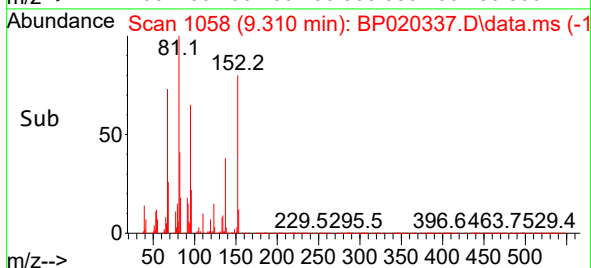
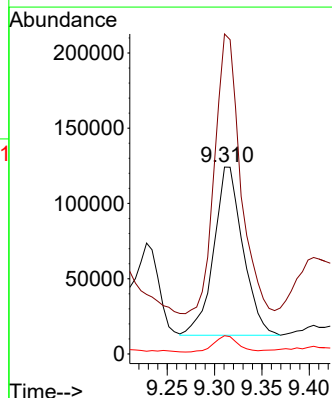
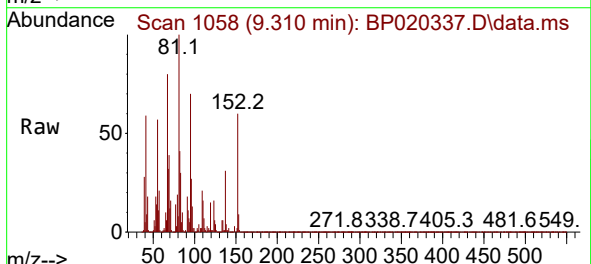
Instrument :
BNA_P
ClientSampleId :
A43R9

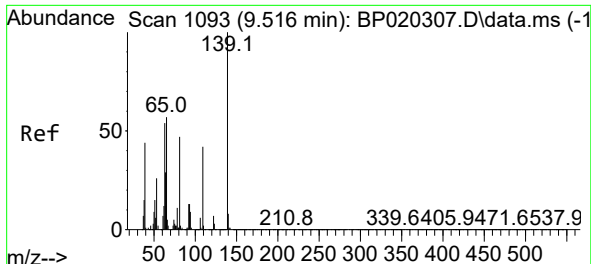
Tgt Ion: 77 Resp: 99075
Ion Ratio Lower Upper
77 100
123 17.3 31.4 47.2#
65 68.1 11.4 17.2#



#23
Isophorone
Concen: 19.002 ng/ul
RT: 9.310 min Scan# 1058
Delta R.T. -0.024 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

Tgt Ion: 82 Resp: 239871
Ion Ratio Lower Upper
82 100
95 171.3 6.6 9.8#
138 9.8 12.9 19.3#

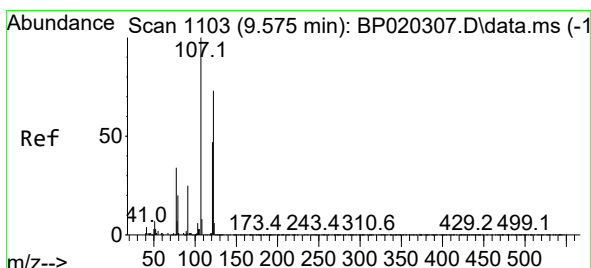
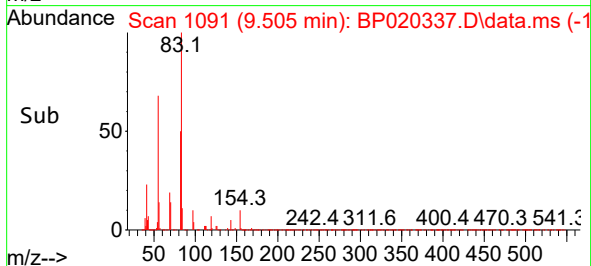
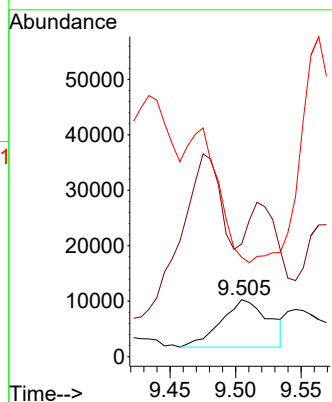
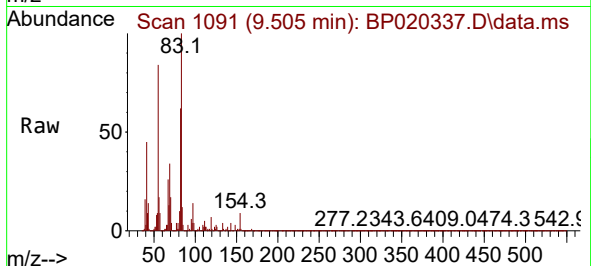




#25
2-Nitrophenol
Concen: 7.985 ng/ul
RT: 9.505 min Scan# 1093
Delta R.T. -0.012 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

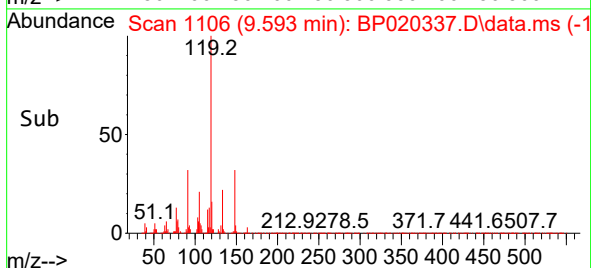
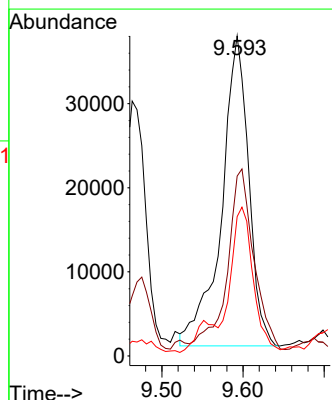
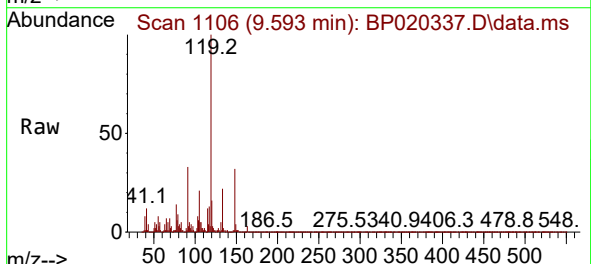
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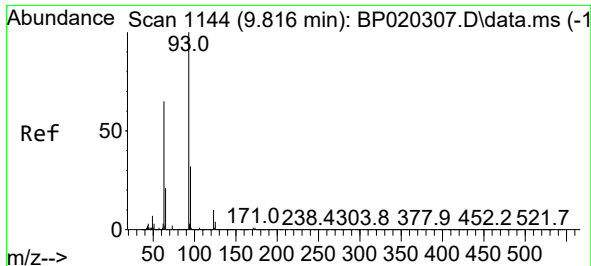
Tgt Ion:139 Resp: 21659
Ion Ratio Lower Upper
139 100
65 197.8 53.8 80.6#
109 174.8 35.3 52.9#



#26
2,4-Dimethylphenol
Concen: 14.459 ng/ul
RT: 9.593 min Scan# 1106
Delta R.T. 0.018 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

Tgt Ion:107 Resp: 85566
Ion Ratio Lower Upper
107 100
121 56.2 36.0 54.0#
122 43.6 59.4 89.2#





#27

Bis(2-Chloroethoxy)methane

Concen: 2.655 ng/ul

RT: 9.799 min Scan# 1141

Delta R.T. -0.018 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

Instrument :

BNA_P

ClientSampleId :

A43R9

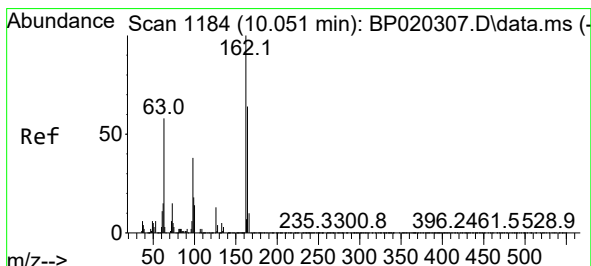
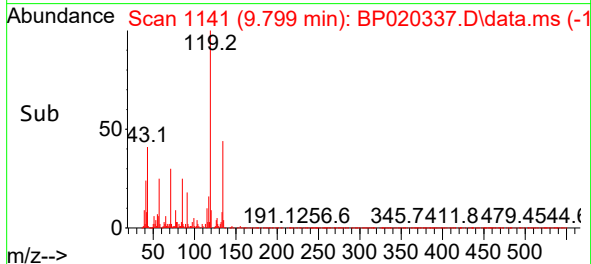
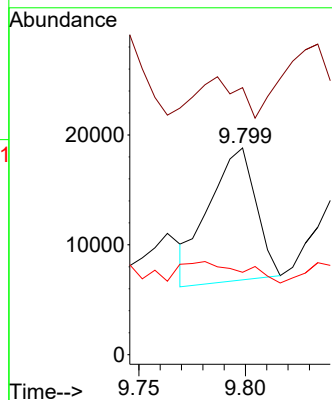
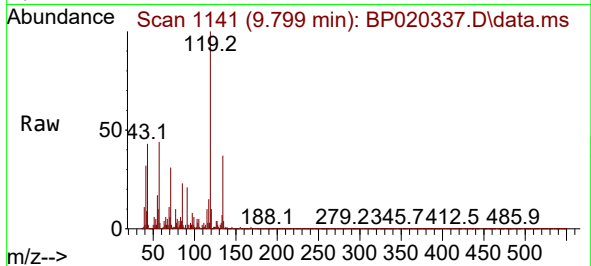
Tgt Ion: 93 Resp: 18581

Ion Ratio Lower Upper

93 100

95 129.2 25.6 38.4#

123 39.9 8.3 12.5#



#29

2,4-Dichlorophenol

Concen: 2.617 ng/ul

RT: 10.034 min Scan# 1181

Delta R.T. -0.018 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

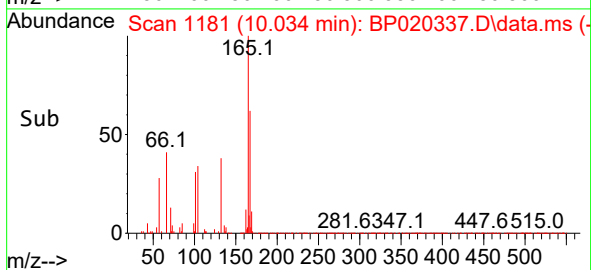
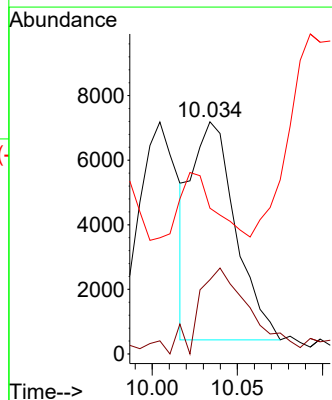
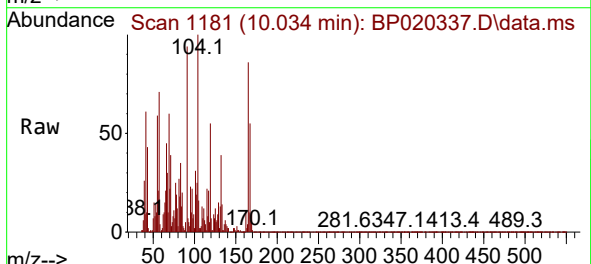
Tgt Ion:162 Resp: 12163

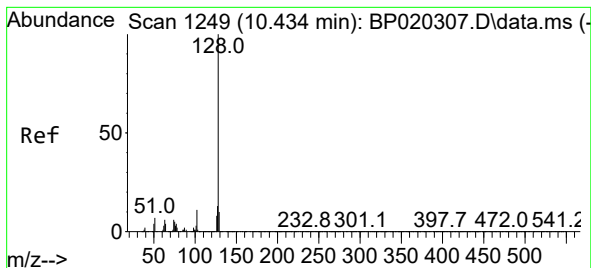
Ion Ratio Lower Upper

162 100

164 32.0 53.1 79.7#

98 62.8 31.4 47.2#





#30

Naphthalene

Concen: 6.215 ng/ul

RT: 10.446 min Scan# 1251

Delta R.T. 0.012 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

Instrument :

BNA_P

ClientSampleId :

A43R9

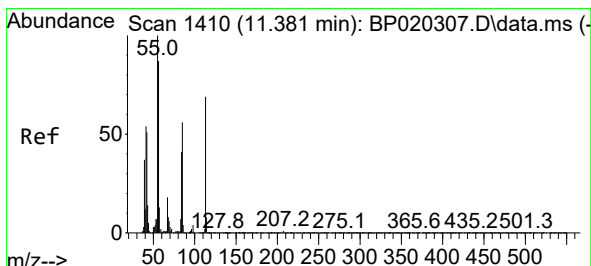
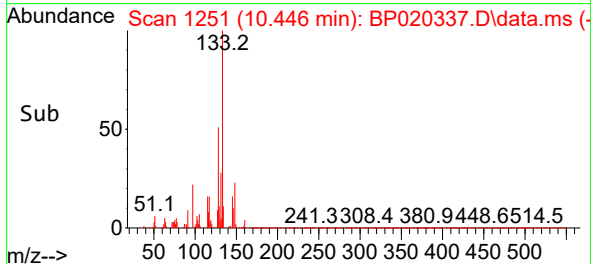
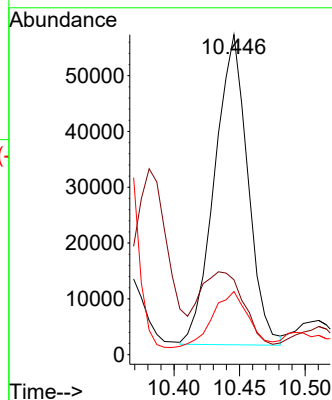
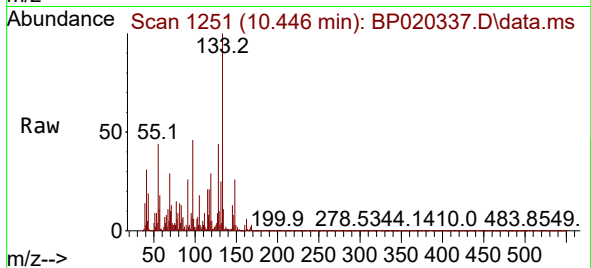
Tgt Ion:128 Resp: 97836

Ion Ratio Lower Upper

128 100

129 23.4 8.9 13.3#

127 19.8 10.6 16.0#



#34

Caprolactam

Concen: 12.802 ng/ul

RT: 11.399 min Scan# 1413

Delta R.T. 0.012 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

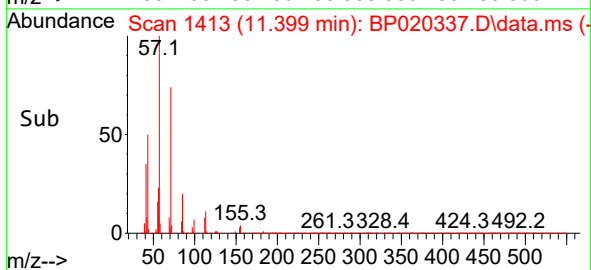
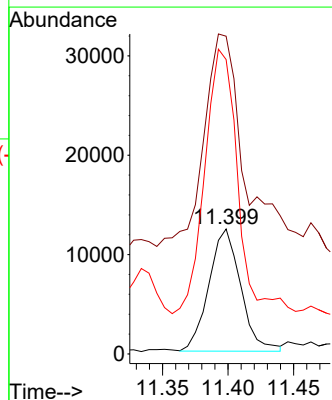
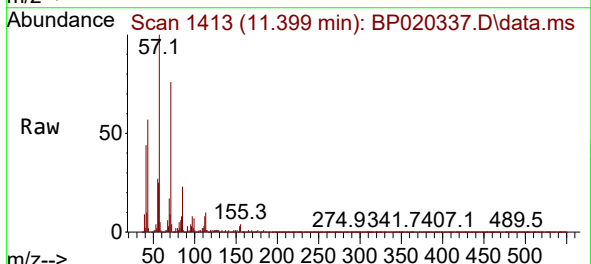
Tgt Ion:113 Resp: 20779

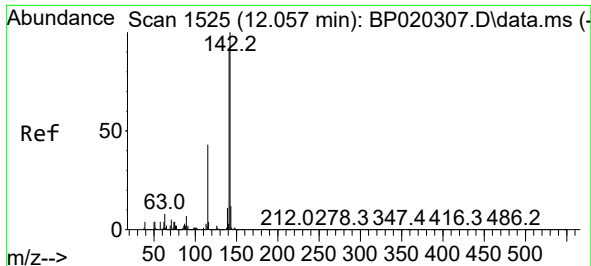
Ion Ratio Lower Upper

113 100

55 254.2 131.0 196.6#

56 235.5 105.4 158.2#

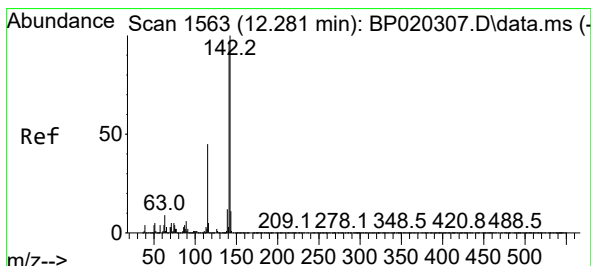
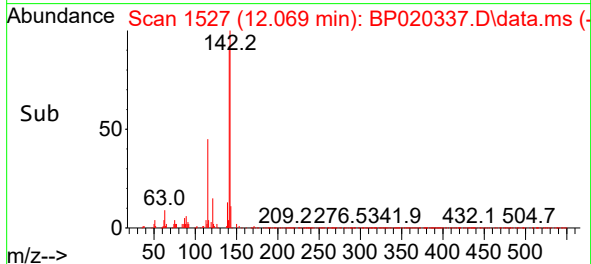
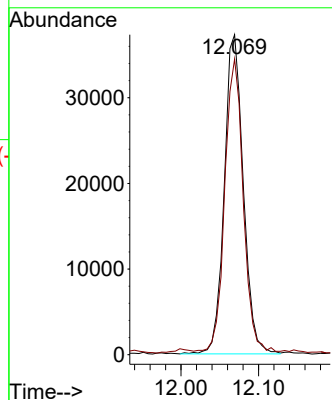
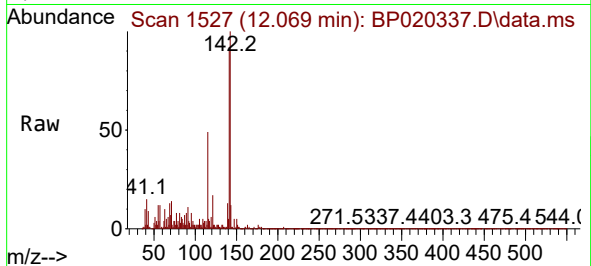




#36
2-Methylnaphthalene
Concen: 5.807 ng/ul
RT: 12.069 min Scan# 1525
Delta R.T. 0.006 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

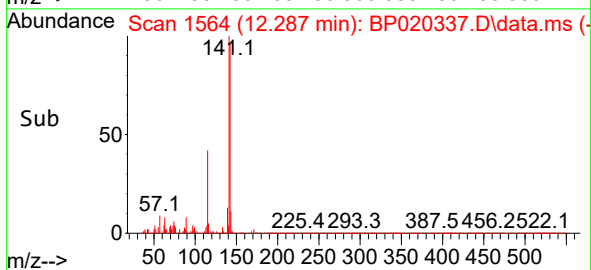
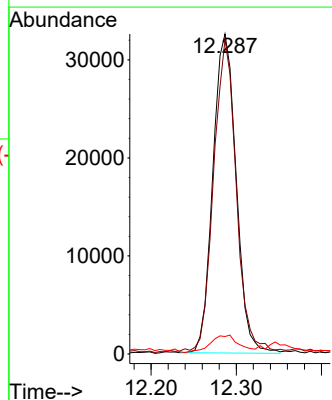
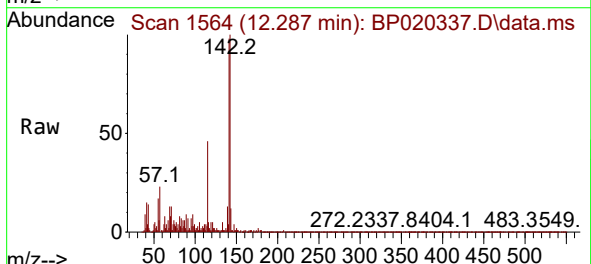
Instrument :
BNA_P
ClientSampleId :
A43R9

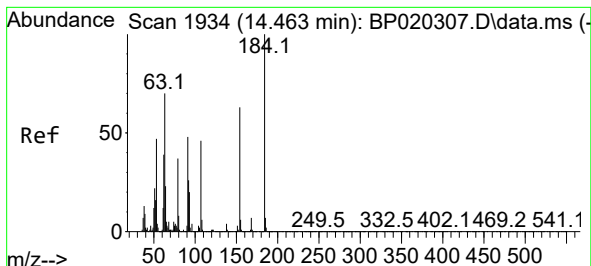
Tgt Ion:142 Resp: 63599
Ion Ratio Lower Upper
142 100
141 92.4 74.6 111.8



#37
1-Methylnaphthalene
Concen: 5.602 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

Tgt Ion:142 Resp: 61744
Ion Ratio Lower Upper
142 100
141 98.2 75.5 113.3
116 5.5 3.9 5.9





#53

2,4-Dinitrophenol

Concen: 1.127 ng/ul

RT: 14.451 min Scan# 1932

Delta R.T. -0.024 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

Instrument :

BNA_P

ClientSampleId :

A43R9

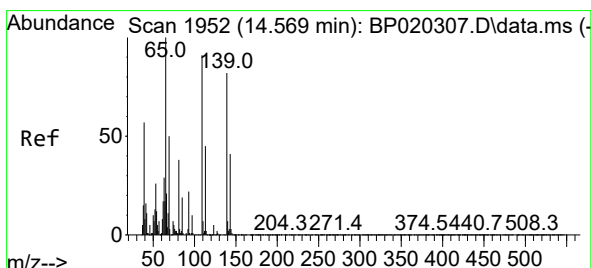
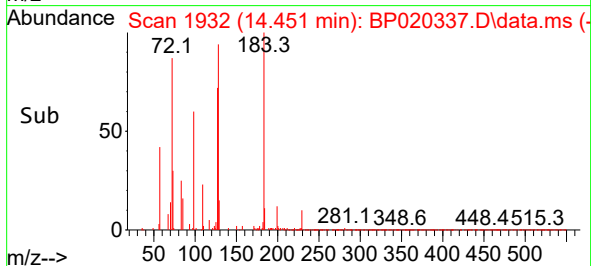
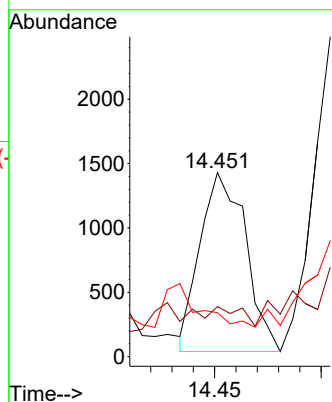
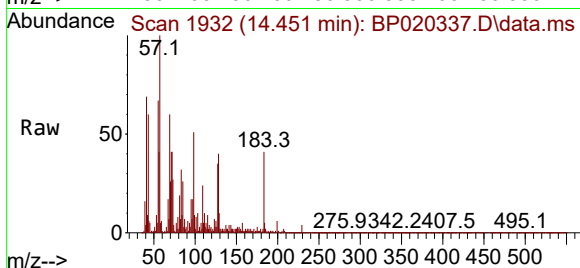
Tgt Ion:184 Resp: 2062

Ion Ratio Lower Upper

184 100

63 27.2 65.6 98.4#

154 23.9 53.8 80.8#



#55

4-Nitrophenol

Concen: 2.141 ng/ul

RT: 14.587 min Scan# 1955

Delta R.T. -0.000 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

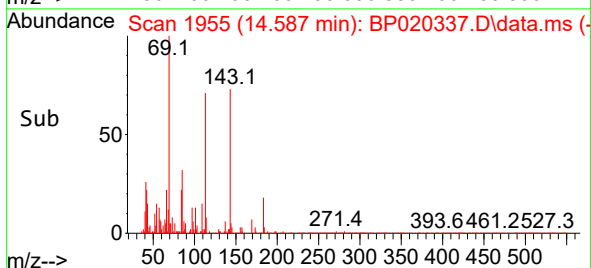
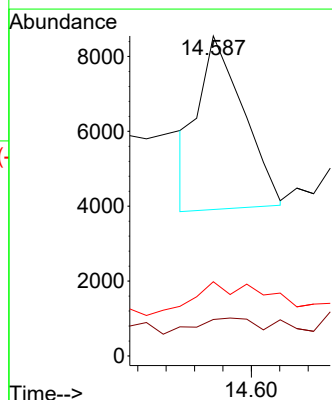
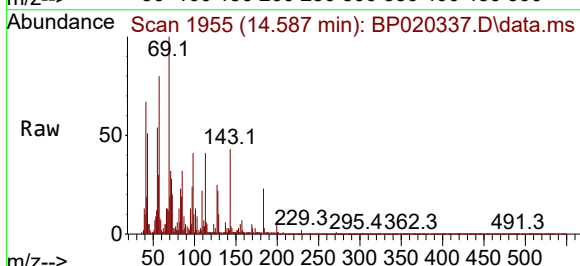
Tgt Ion:109 Resp: 5087

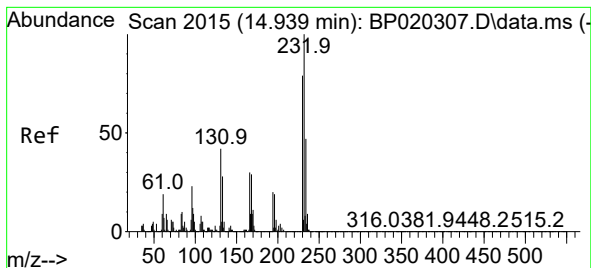
Ion Ratio Lower Upper

109 100

139 11.4 78.4 117.6#

65 23.2 101.8 152.6#





#58

2,3,4,6-Tetrachlorophenol

Concen: 2.300 ng/ul

RT: 14.951 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

Instrument :

BNA_P

ClientSampleId :

A43R9

Tgt Ion:232 Resp: 8839

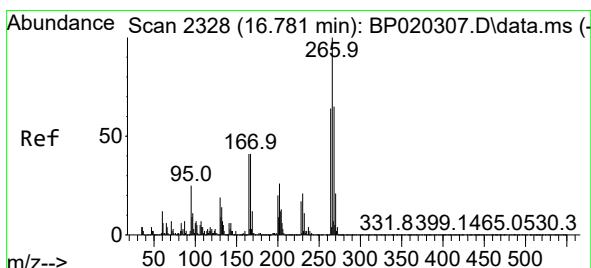
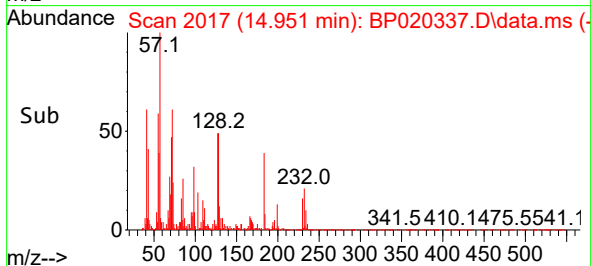
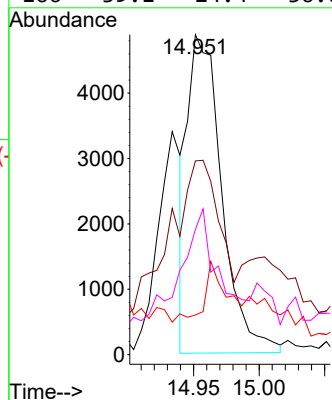
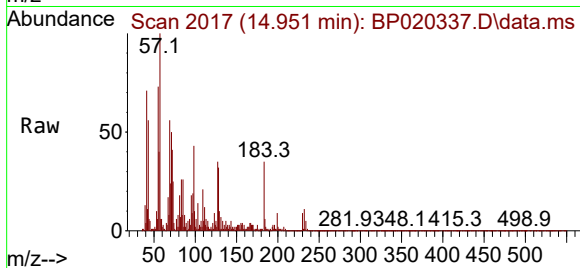
Ion Ratio Lower Upper

232 100

131 60.6 36.7 55.1#

130 12.4 1.9 2.9#

166 39.1 24.4 36.6#



#71

Pentachlorophenol

Concen: 55.439 ng/ul

RT: 16.781 min Scan# 2328

Delta R.T. 0.006 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

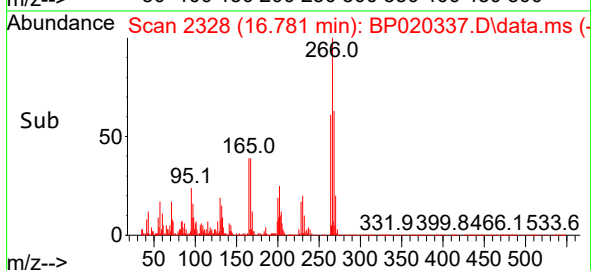
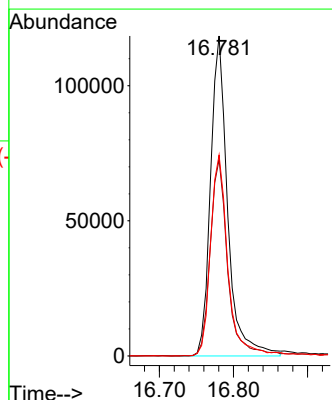
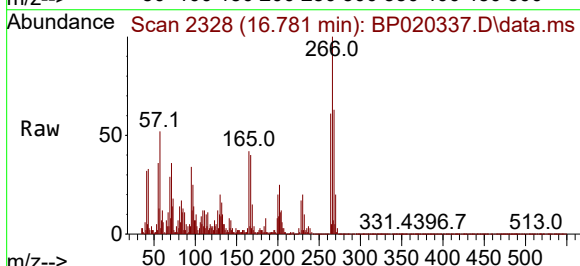
Tgt Ion:266 Resp: 190135

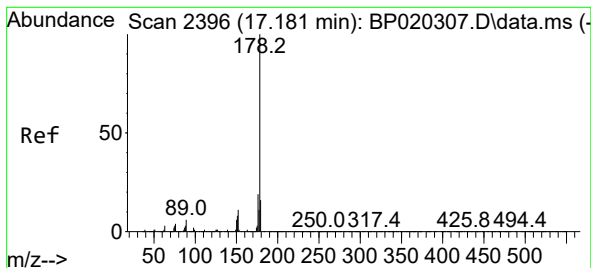
Ion Ratio Lower Upper

266 100

264 61.4 49.8 74.6

268 62.8 50.4 75.6





#72

Phenanthrene

Concen: 4.059 ng/ul

RT: 17.175 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

Instrument :

BNA_P

ClientSampleId :

A43R9

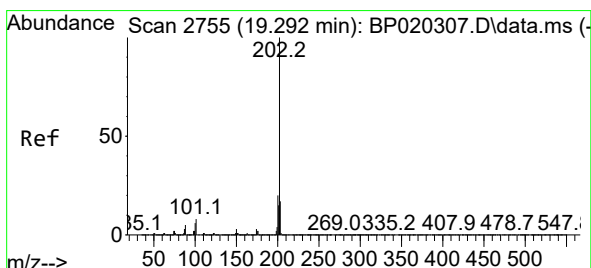
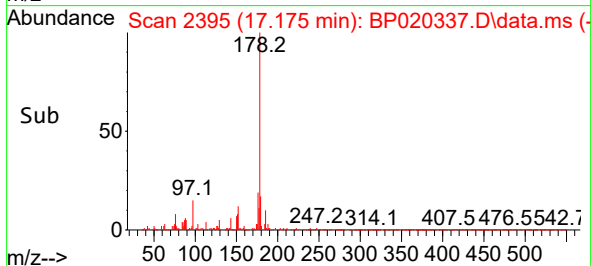
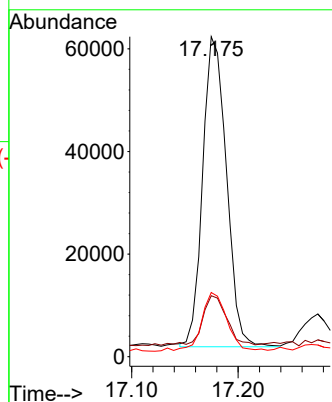
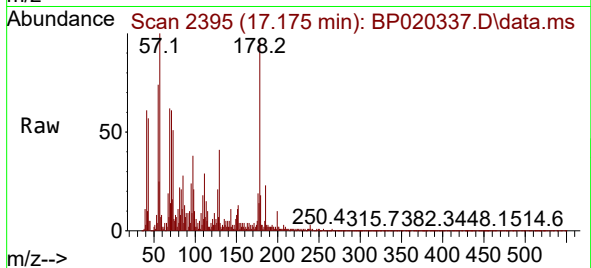
Tgt Ion:178 Resp: 93653

Ion Ratio Lower Upper

178 100

179 19.1 13.0 19.6

176 20.0 15.2 22.8



#80

Fluoranthene

Concen: 3.409 ng/ul

RT: 19.280 min Scan# 2753

Delta R.T. -0.006 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

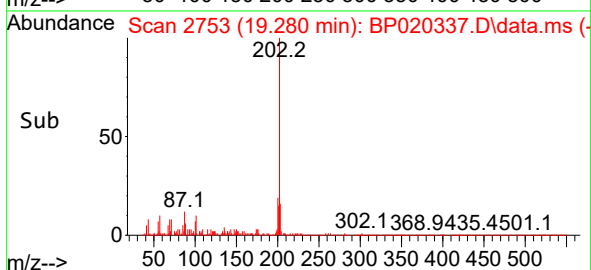
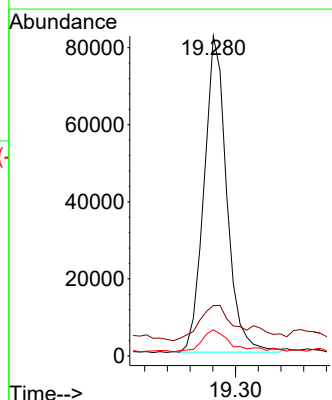
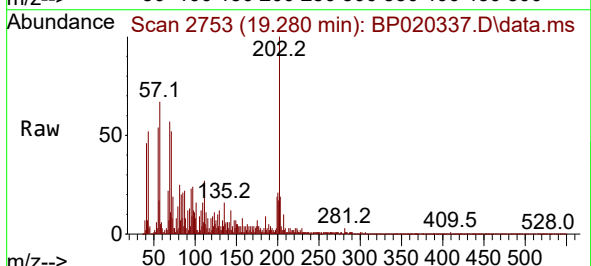
Tgt Ion:202 Resp: 113516

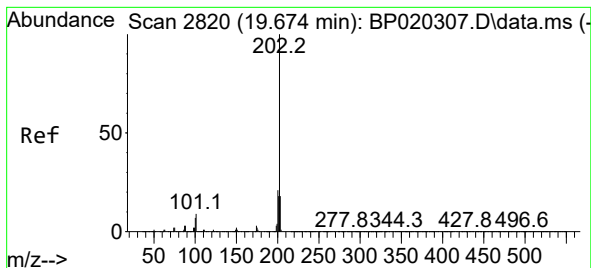
Ion Ratio Lower Upper

202 100

101 15.7 7.0 10.4#

100 8.2 5.5 8.3





#82

Pyrene

Concen: 4.490 ng/ul

RT: 19.663 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

Instrument :

BNA_P

ClientSampleId :

A43R9

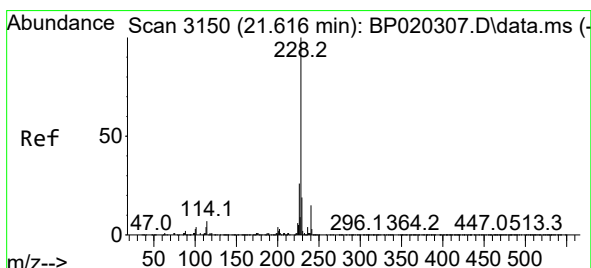
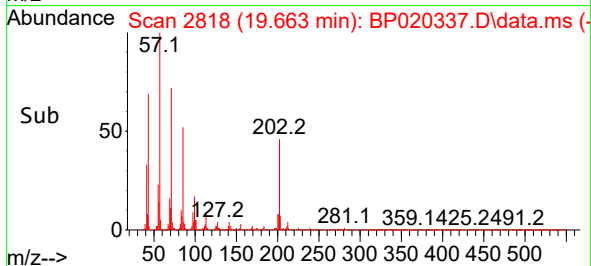
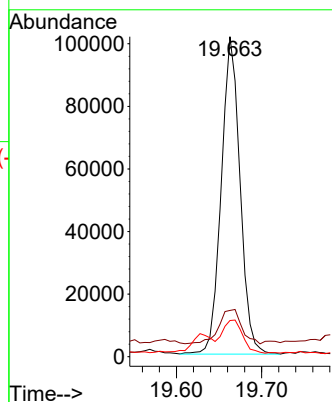
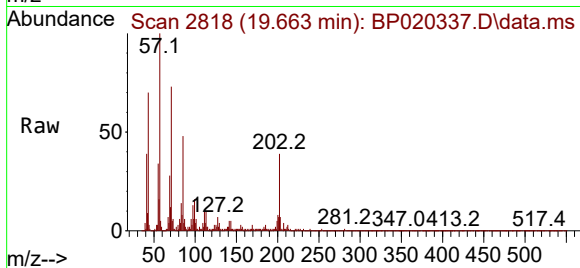
Tgt Ion:202 Resp: 155570

Ion Ratio Lower Upper

202 100

101 14.5 8.1 12.1#

100 11.3 6.8 10.2#



#85

Benzo(a)anthracene

Concen: 1.384 ng/ul

RT: 21.604 min Scan# 3148

Delta R.T. 0.012 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

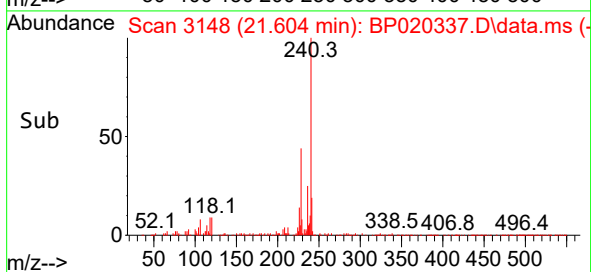
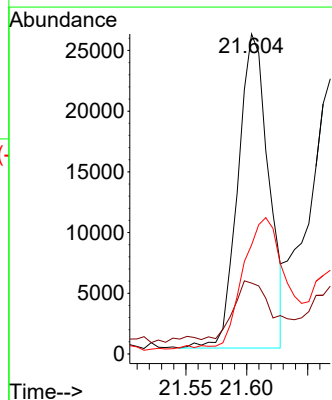
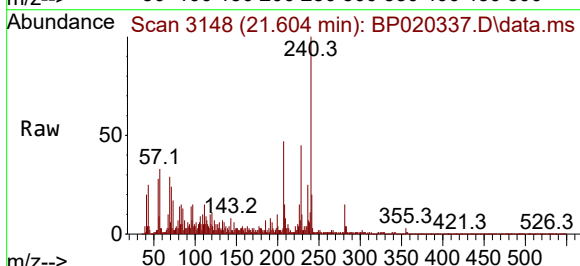
Tgt Ion:228 Resp: 45434

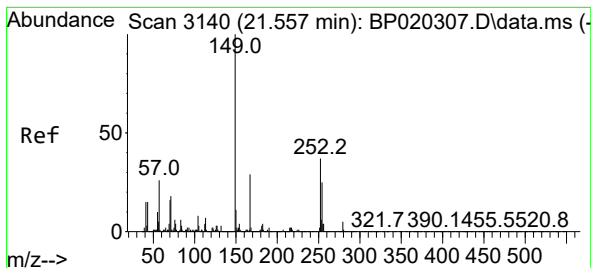
Ion Ratio Lower Upper

228 100

229 22.1 15.8 23.8

226 34.0 21.5 32.3#

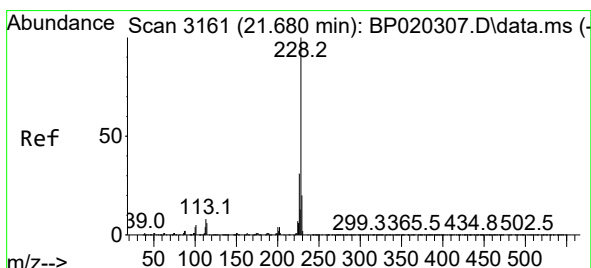
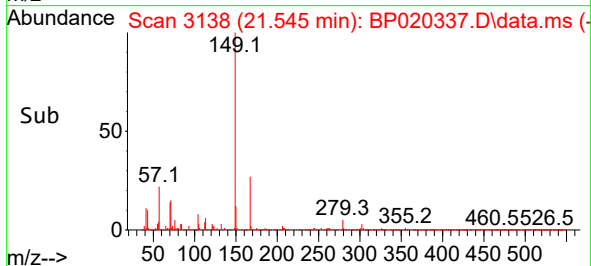
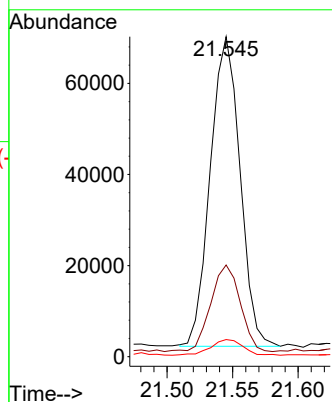
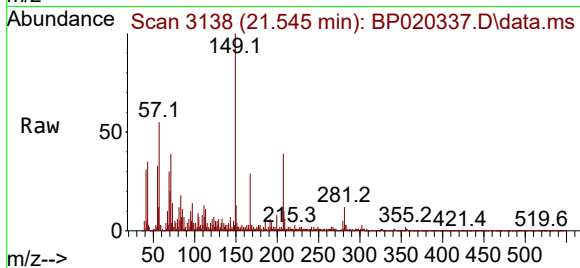




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 5.640 ng/ul
 RT: 21.545 min Scan# 3138
 Delta R.T. -0.000 min
 Lab File: BP020337.D
 Acq: 12 May 2024 02:39

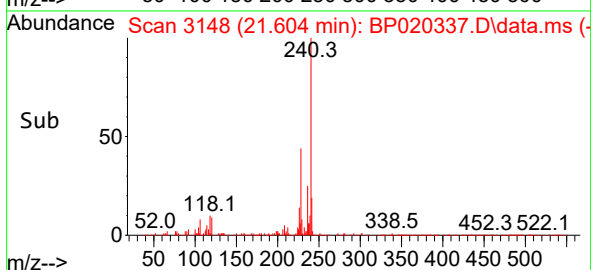
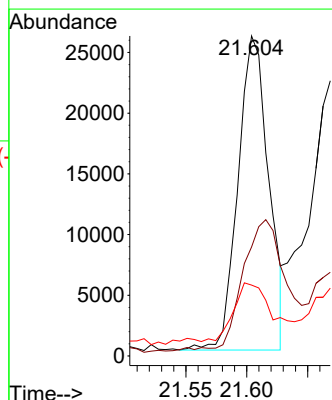
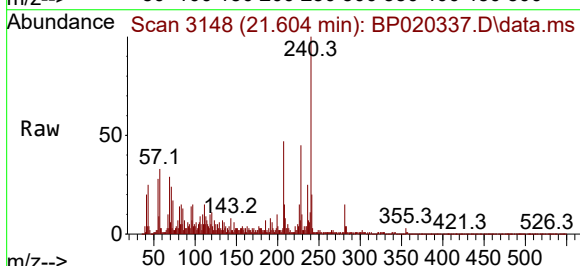
Instrument :
 BNA_P
 ClientSampleId :
 A43R9

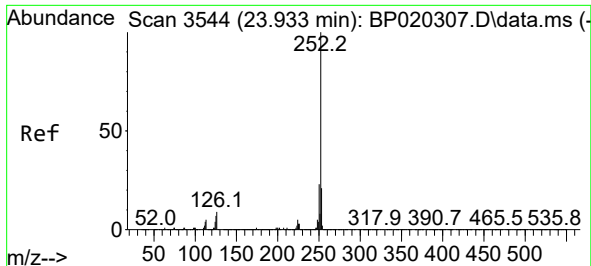
Tgt Ion:149 Resp: 107012
 Ion Ratio Lower Upper
 149 100
 167 28.6 21.4 32.0
 279 5.4 3.4 5.2#



#87
 Chrysene
 Concen: 1.493 ng/ul
 RT: 21.604 min Scan# 3148
 Delta R.T. -0.059 min
 Lab File: BP020337.D
 Acq: 12 May 2024 02:39

Tgt Ion:228 Resp: 45434
 Ion Ratio Lower Upper
 228 100
 226 34.0 24.2 36.4
 229 22.1 15.9 23.9

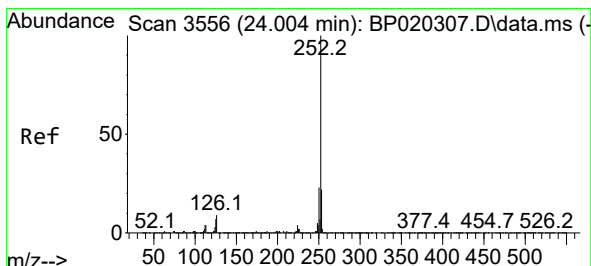
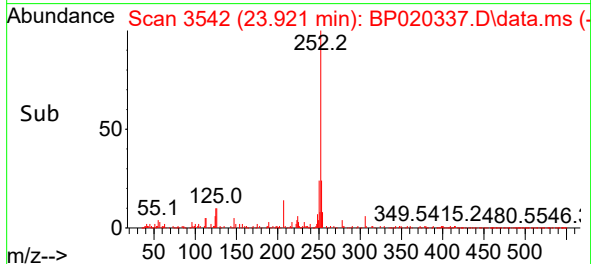
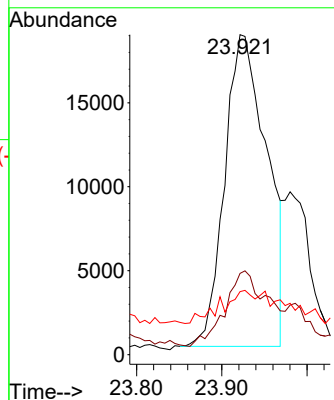
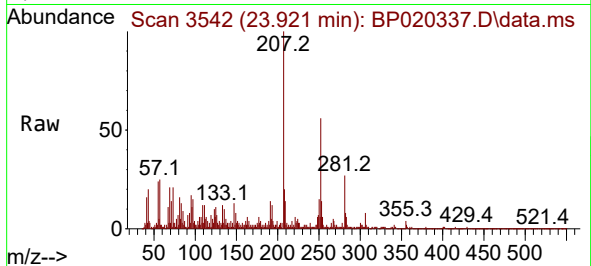




#90
Benzo(b)fluoranthene
Concen: 1.850 ng/ul
RT: 23.921 min Scan# 3542
Delta R.T. -0.000 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

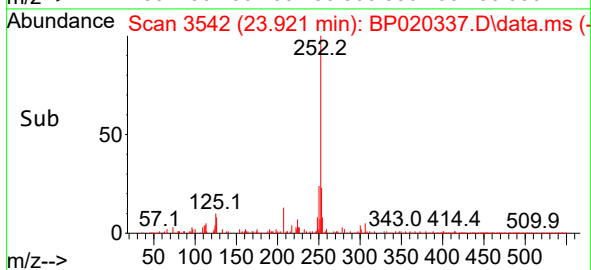
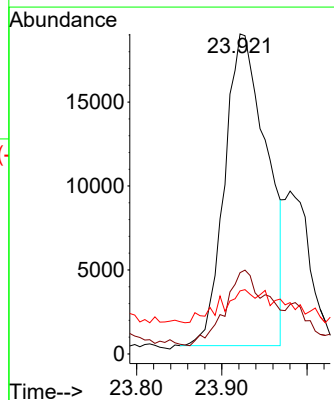
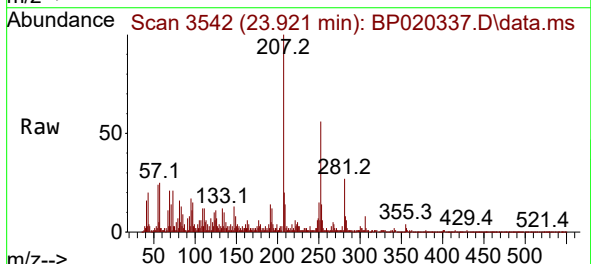
Instrument :
BNA_P
ClientSampleId :
A43R9

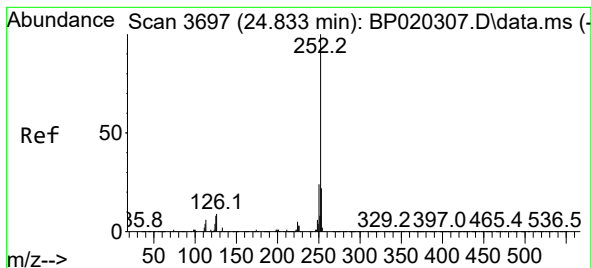
Tgt Ion:252 Resp: 63760
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 19.7 6.2 9.2#



#91
Benzo(k)fluoranthene
Concen: 1.815 ng/ul
RT: 23.921 min Scan# 3542
Delta R.T. -0.059 min
Lab File: BP020337.D
Acq: 12 May 2024 02:39

Tgt Ion:252 Resp: 63760
Ion Ratio Lower Upper
252 100
253 25.4 17.3 25.9
125 19.7 5.6 8.4#





#93

Benzo(a)pyrene

Concen: 1.191 ng/ul

RT: 24.815 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

Instrument :

BNA_P

ClientSampleId :

A43R9

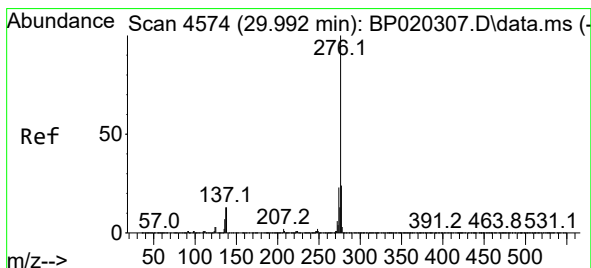
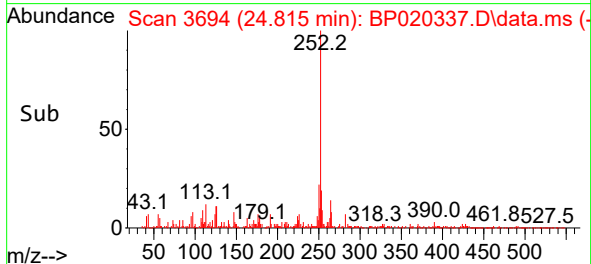
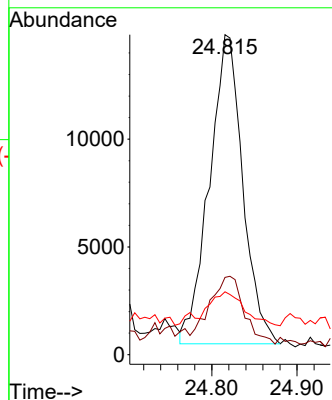
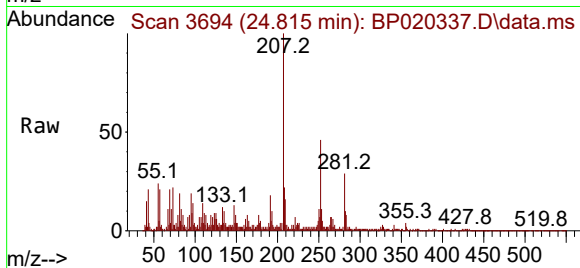
Tgt Ion:252 Resp: 39074

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

125 19.7 6.6 10.0#



#96

Benzo(g,h,i)perylene

Concen: 1.215 ng/ul

RT: 29.974 min Scan# 4571

Delta R.T. -0.006 min

Lab File: BP020337.D

Acq: 12 May 2024 02:39

Tgt Ion:276 Resp: 39395

Ion Ratio Lower Upper

276 100

138 17.8 11.6 17.4#

277 20.3 19.4 29.0

