

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082423\
 Data File : BP016732.D
 Acq On : 24 Aug 2023 17:21
 Operator : MA/JU
 Sample : SSTD16036
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD160636

Quant Time: Aug 25 00:56:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP082423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 25 00:53:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.040	152	392415	20.000	ng/ul	0.00
20) Naphthalene-d8	10.875	136	1725402	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.693	164	1061645	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.463	188	2399742	20.000	ng/ul	0.00
79) Chrysene-d12	21.569	240	2044141	20.000	ng/ul	0.01
88) Perylene-d12	24.139	264	1685130	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	628126	66.154	ng/uL	0.00
4) Pyridine-d5	3.823	84	4634511	159.726	ng/ul	0.00
7) Phenol-d5	7.199	99	5549436	159.038	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.387	67	3332945	149.867	ng/ul	0.01
11) 2-Chlorophenol-d4	7.569	132	4338821	165.379	ng/ul	0.01
15) 4-Methylphenol-d8	8.763	113	4409653	154.806	ng/ul	0.02
21) Nitrobenzene-d5	9.252	128	2181299	167.204	ng/ul	0.01
24) 2-Nitrophenol-d4	9.963	143	2466763	179.386	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.493	165	4299054	167.695	ng/ul	0.02
31) 4-Chloroaniline-d4	11.040	131	6001206	152.647	ng/ul	0.01
46) Dimethylphthalate-d6	14.116	166	12141410	151.649	ng/ul	0.01
49) Acenaphthylene-d8	14.404	160	13701640	151.386	ng/ul	0.01
54) 4-Nitrophenol-d4	14.934	143	2647629	159.995	ng/ul	0.04
60) Fluorene-d10	15.698	176	10193580	151.191	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	15.840	200	2514091	175.919	ng/ul	0.03
73) Anthracene-d10	17.569	188	15224478	143.128	ng/ul	0.00
81) Pyrene-d10	19.798	212	16489945	146.881	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.986	264	14071681	166.706	ng/ul	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.423	88	668272	64.631	ng/uL	99
5) Pyridine	3.840	79	4747393	158.839	ng/ul	98
6) Benzaldehyde	7.199	77	2011992	105.438	ng/ul	98
8) Phenol	7.228	94	5718073	156.584	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.481	93	4444043	150.765	ng/ul	97
12) 2-Chlorophenol	7.605	128	4306723	160.599	ng/ul	97
13) 2-Methylphenol	8.487	108	4294721	156.784	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.558	45	3935960	91.530	ng/ul	98
16) Acetophenone	8.911	105	6380190	144.450	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.899	70	3295018	141.559	ng/ul	93
18) 4-Methylphenol	8.840	108	4590558	153.896	ng/ul	100
19) Hexachloroethane	9.116	117	1761866	157.903	ng/ul	90
22) Nitrobenzene	9.299	77	5162560	154.252	ng/ul	98
23) Isophorone	9.828	82	10012830	154.039	ng/ul	98
25) 2-Nitrophenol	9.999	139	2537847	166.909	ng/ul	98
26) 2,4-Dimethylphenol	10.034	107	4713885	154.248	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.299	93	5954993	148.492	ng/ul	100
29) 2,4-Dichlorophenol	10.522	162	4159186	161.513	ng/ul	99
30) Naphthalene	10.928	128	12932464	144.694	ng/ul	98
32) 4-Chloroaniline	11.069	127	5778971	149.577	ng/ul	99
33) Hexachlorobutadiene	11.157	225	2575639	162.372	ng/ul	99
34) Caprolactam	11.946	113	962933	100.541	ng/ul	97
35) 4-Chloro-3-methylphenol	12.175	107	4636980	160.574	ng/ul	98
36) 2-Methylnaphthalene	12.528	142	9063074	146.906	ng/ul	100

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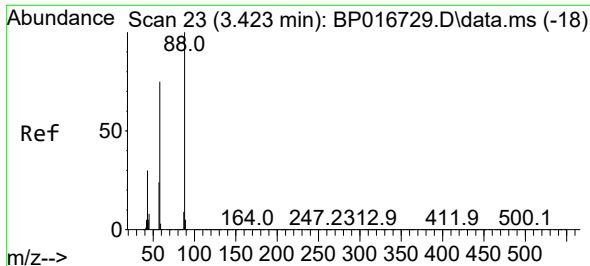
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.752	142	9035587	145.239	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.875	216	4940980	163.293	ng/ul	98
40) Hexachlorocyclopentadiene	12.828	237	3351664	150.624	ng/ul	99
41) 2,4,6-Trichlorophenol	13.128	196	3519363	174.173	ng/ul	99
42) 2,4,5-Trichlorophenol	13.204	196	3766713	172.271	ng/ul	99
43) 1,1'-Biphenyl	13.534	154	11324648	143.470	ng/ul	98
44) 2-Chloronaphthalene	13.587	162	9309224	149.397	ng/ul	99
45) 2-Nitroaniline	13.822	65	3175555	168.042	ng/ul	93
47) Dimethylphthalate	14.169	163	11871730	146.413	ng/ul	98
48) 2,6-Dinitrotoluene	14.316	165	2797866	176.127	ng/ul	92
50) Acenaphthylene	14.428	152	13889584	134.079	ng/ul	95
51) 3-Nitroaniline	14.651	138	2495914	150.862	ng/ul	96
52) Acenaphthene	14.769	153	9917909	144.716	ng/ul	98
53) 2,4-Dinitrophenol	14.845	184	1923330	166.591	ng/ul	94
55) 4-Nitrophenol	14.951	109	1951881	156.182	ng/ul	97
56) Dibenzofuran	15.104	168	13136673	139.699	ng/ul	95
57) 2,4-Dinitrotoluene	15.098	165	3885002	166.125	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.316	232	3265279	175.417	ng/ul	95
59) Diethylphthalate	15.522	149	12107018	146.979	ng/ul	95
61) Fluorene	15.757	166	10900428	138.586	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.740	204	5962220	154.393	ng/ul	96
63) 4-Nitroaniline	15.845	138	2129290	135.254	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.857	198	2653516	172.220	ng/ul#	92
67) N-Nitrosodiphenylamine	15.969	169	9737792	146.715	ng/ul	99
68) 4-Bromophenyl-phenylether	16.645	248	3919673	170.365	ng/ul	96
69) Hexachlorobenzene	16.728	284	4243255	164.719	ng/ul	95
70) Atrazine	16.934	200	3878164	154.984	ng/ul	98
71) Pentachlorophenol	17.092	266	3101524	162.191	ng/ul	98
72) Phenanthrene	17.510	178	15972783	126.432	ng/ul#	85
74) Anthracene	17.604	178	15040979	117.745	ng/ul#	91
75) 1,2,3,4-Tetrachloroben...	13.487	216	5291080	164.667	ng/ul	99
76) Pentachlorobenzene	14.998	250	4649365	161.913	ng/ul	98
77) Carbazole	17.881	167	15446124	134.259	ng/ul	97
78) Di-n-butylphthalate	18.386	149	14782330	102.989	ng/ul#	84
80) Fluoranthene	19.410	202	48884	0.362	ng/ul#	51
83) Butylbenzylphthalate	20.680	149	10022761	166.826	ng/ul#	91
84) 3,3'-Dichlorobenzidine	21.486	252	6617143	151.449	ng/ul	98
85) Benzo(a)anthracene	21.604	228	14964641	106.282	ng/ul#	84
86) Bis(2-ethylhexyl)phtha...	21.416	149	12408467	141.448	ng/ul#	81
87) Chrysene	21.604	228	14964641	117.003	ng/ul#	87
90) Benzo(b)fluoranthene	23.351	252	18096483	168.172	ng/ul	98
91) Benzo(k)fluoranthene	23.404	252	16757088	157.458	ng/ul	98
93) Benzo(a)pyrene	24.045	252	15801444	162.343	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.915	276	18030535	181.283	ng/ul	99
95) Dibenzo(a,h)anthracene	26.945	278	14591012	176.625	ng/ul	98
96) Benzo(g,h,i)perylene	27.780	276	14195738	188.259	ng/ul	98

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

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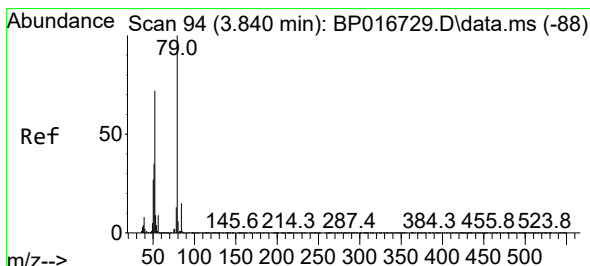
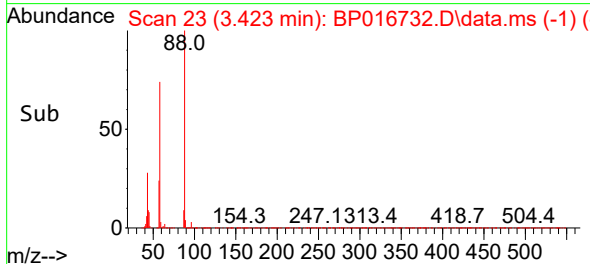
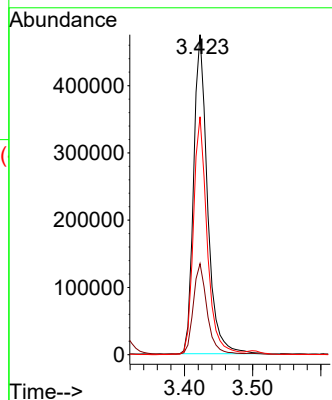
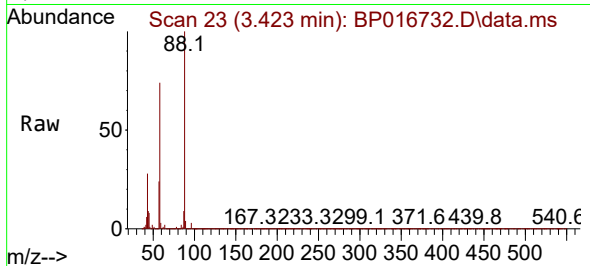




#2
 1,4-Dioxane
 Concen: 64.631 ng/uL
 RT: 3.423 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP016732.D
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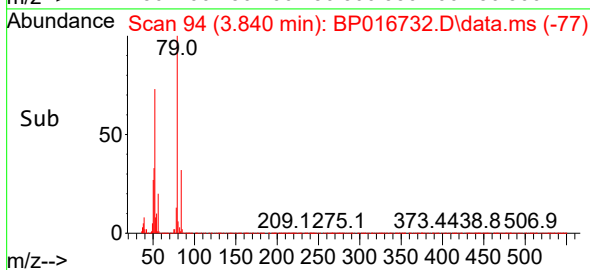
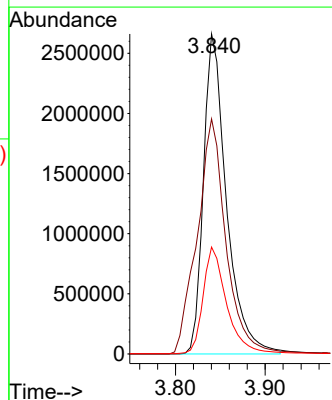
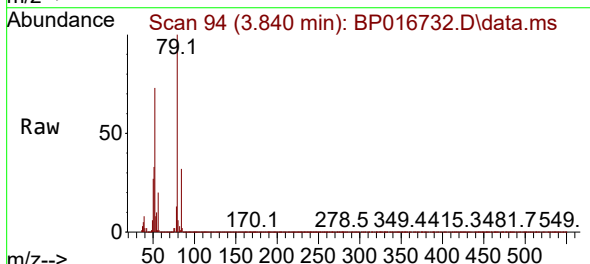
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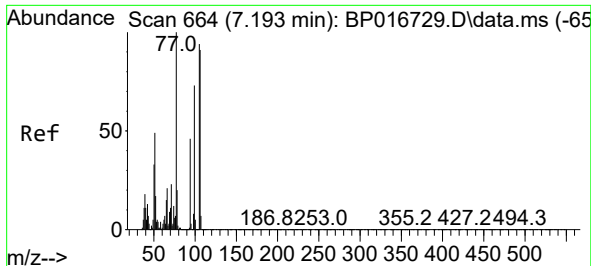
Tgt Ion: 88 Resp: 668272
 Ion Ratio Lower Upper
 88 100
 43 28.5 24.0 36.0
 58 74.3 59.8 89.8



#5
 Pyridine
 Concen: 158.839 ng/uL
 RT: 3.840 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: BP016732.D
 Acq: 24 Aug 2023 17:21

Tgt Ion: 79 Resp: 4747393
 Ion Ratio Lower Upper
 79 100
 52 73.5 59.6 89.4
 51 33.4 28.2 42.2

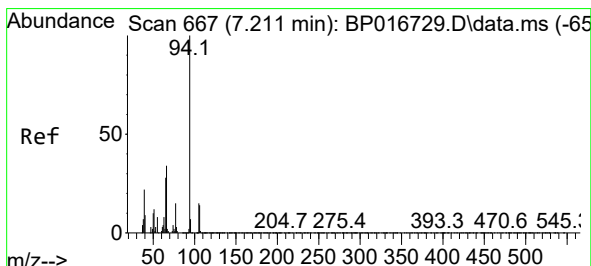
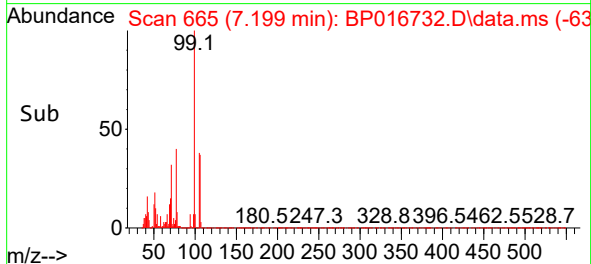
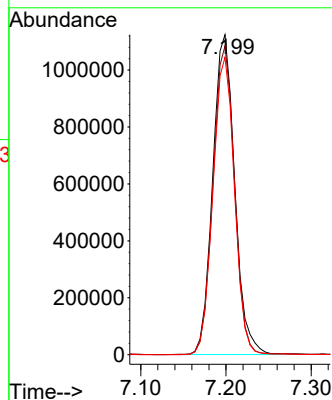
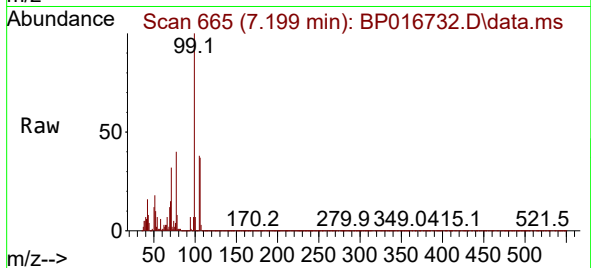




#6
Benzaldehyde
Concen: 105.438 ng/ul
RT: 7.199 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

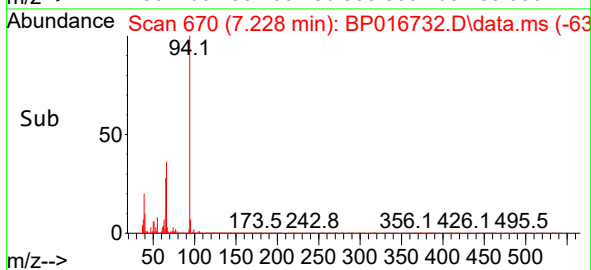
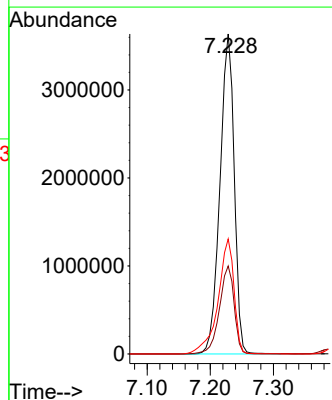
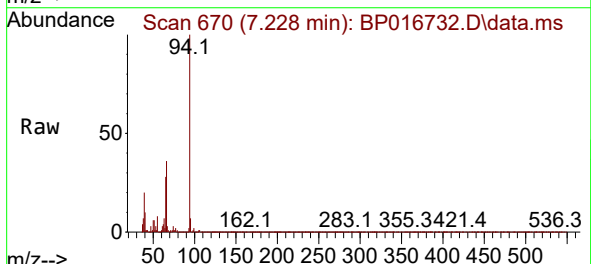
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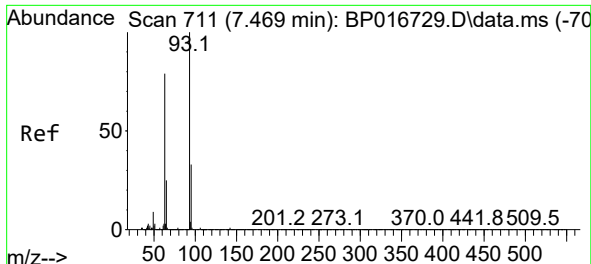
Tgt Ion: 77 Resp: 2011992
Ion Ratio Lower Upper
77 100
105 96.4 75.4 113.2
106 93.0 73.1 109.7



#8
Phenol
Concen: 156.584 ng/ul
RT: 7.228 min Scan# 670
Delta R.T. 0.018 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion: 94 Resp: 5718073
Ion Ratio Lower Upper
94 100
65 27.5 22.4 33.6
66 36.0 28.6 42.8

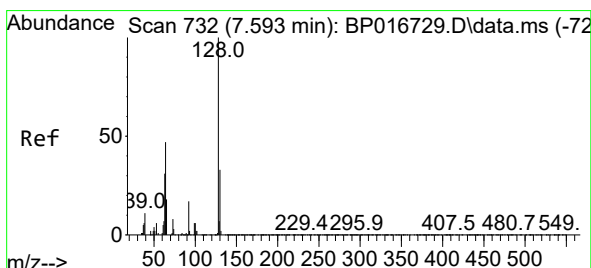
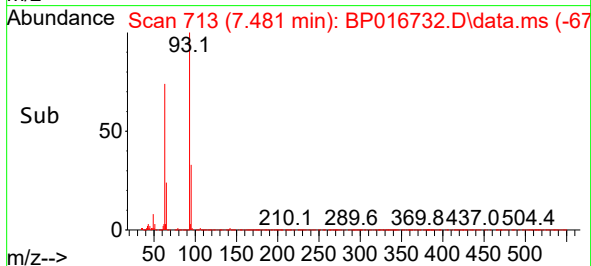
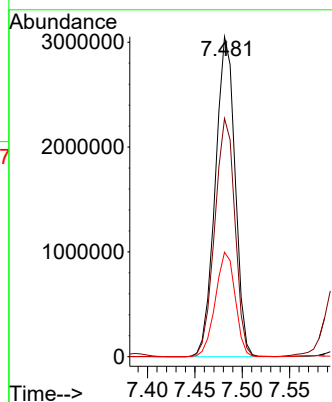
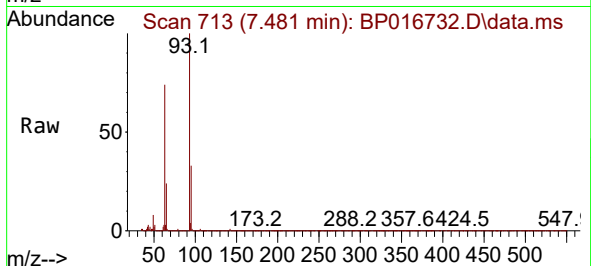




#10
Bis(2-Chloroethyl)ether
Concen: 150.765 ng/ul
RT: 7.481 min Scan# 711
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

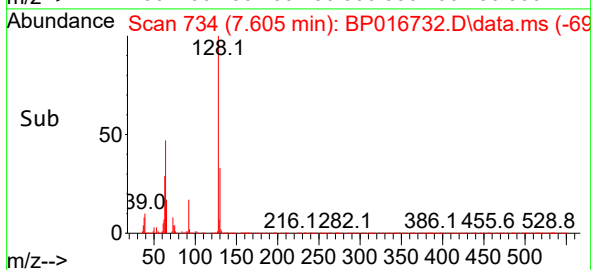
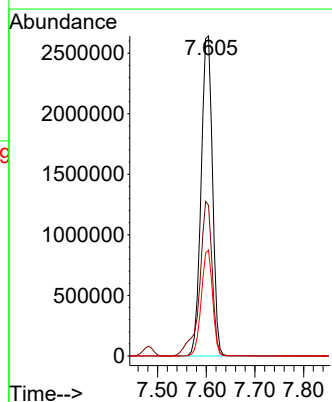
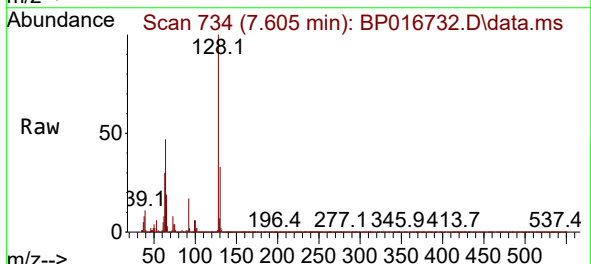
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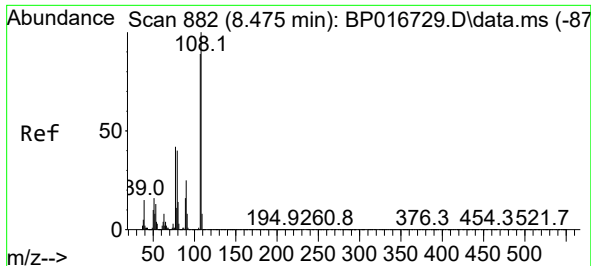
Tgt Ion: 93 Resp: 4444043
Ion Ratio Lower Upper
93 100
63 74.5 62.9 94.3
95 32.6 26.3 39.5



#12
2-Chlorophenol
Concen: 160.599 ng/ul
RT: 7.605 min Scan# 734
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:128 Resp: 4306723
Ion Ratio Lower Upper
128 100
64 47.1 40.0 60.0
130 33.1 26.4 39.6





#13

2-Methylphenol

Concen: 156.784 ng/ul

RT: 8.487 min Scan# 882

Delta R.T. 0.012 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

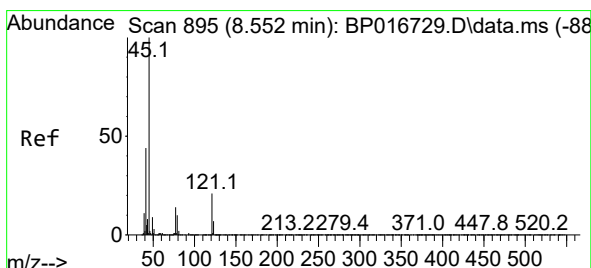
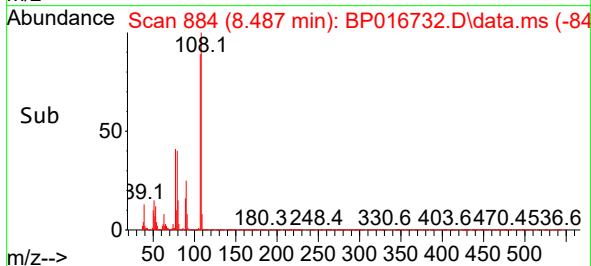
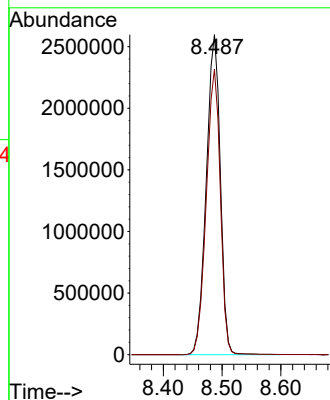
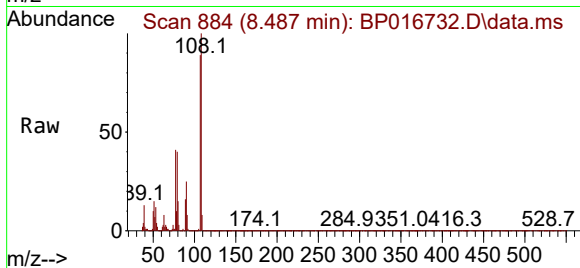
SSTD160636

Tgt Ion:108 Resp: 4294721

Ion Ratio Lower Upper

108 100

107 89.3 71.4 107.2



#14

2,2'-oxybis(1-Chloropropane)

Concen: 91.530 ng/ul

RT: 8.558 min Scan# 896

Delta R.T. 0.006 min

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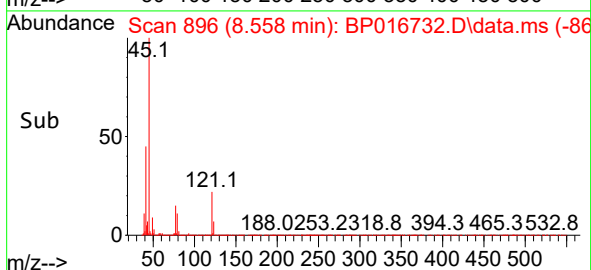
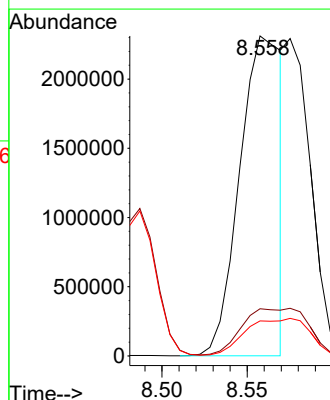
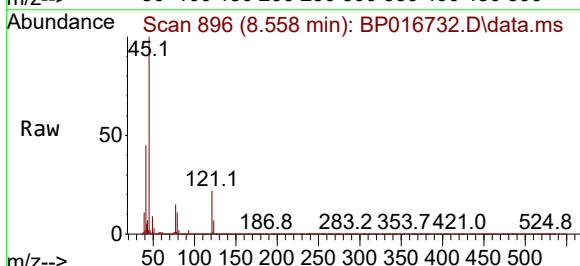
Tgt Ion: 45 Resp: 3935960

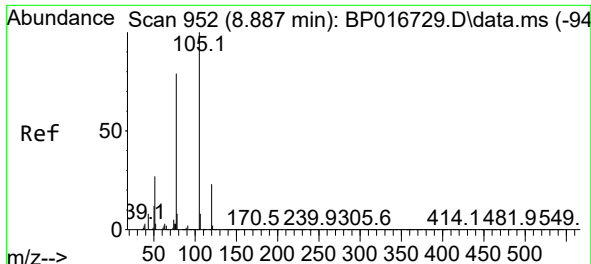
Ion Ratio Lower Upper

45 100

77 14.8 11.1 16.7

79 11.0 8.2 12.4

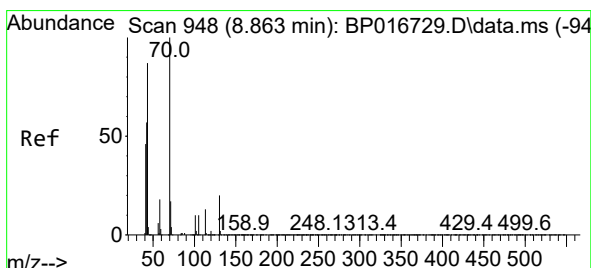
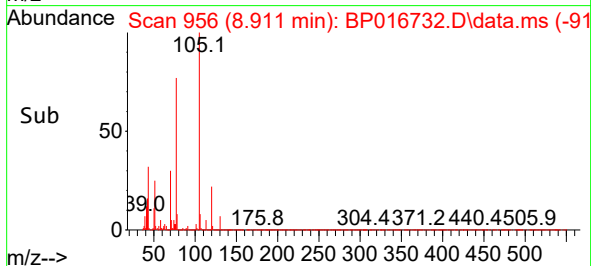
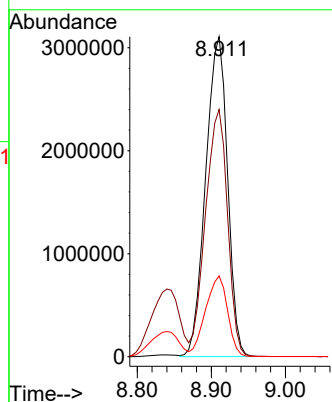
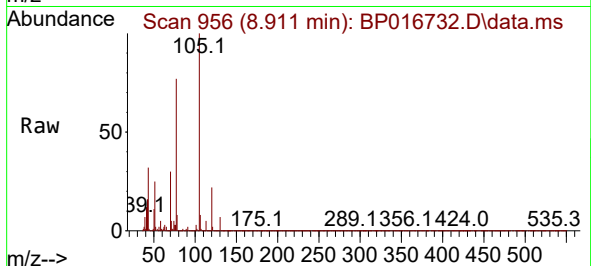




#16
Acetophenone
Concen: 144.450 ng/ul
RT: 8.911 min Scan# 91
Delta R.T. 0.024 min
Lab File: BP016732.D
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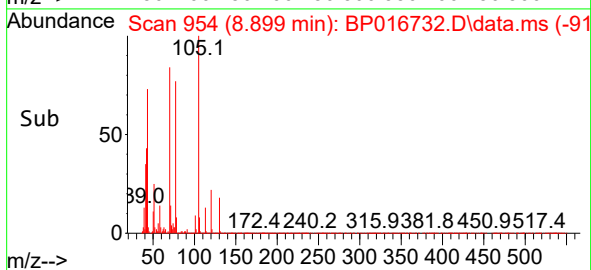
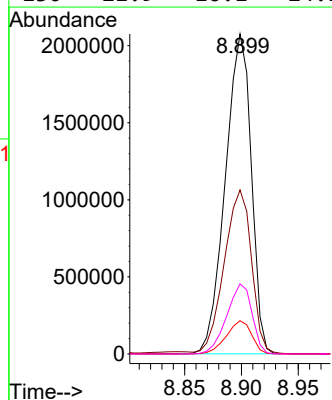
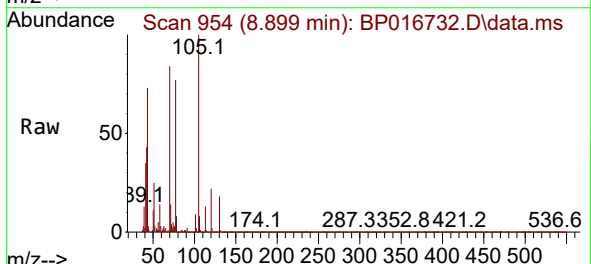
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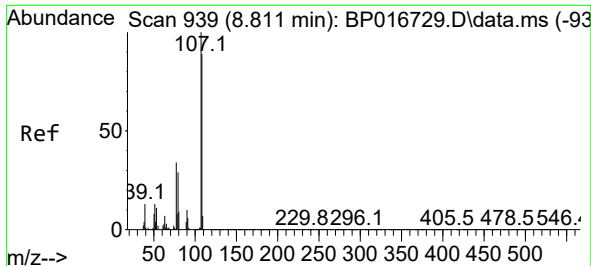
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Ion Ratio Lower Upper
105 100
77 77.3 64.2 96.4
51 25.3 22.2 33.4



#17
N-Nitroso-di-n-propylamine
Concen: 141.559 ng/ul
RT: 8.899 min Scan# 954
Delta R.T. 0.035 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion: 70 Resp: 3295018
Ion Ratio Lower Upper
70 100
42 51.3 46.0 69.0
101 10.4 7.6 11.4
130 21.9 16.1 24.1





#18

4-Methylphenol

Concen: 153.896 ng/ul

RT: 8.840 min Scan# 944

Delta R.T. 0.029 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

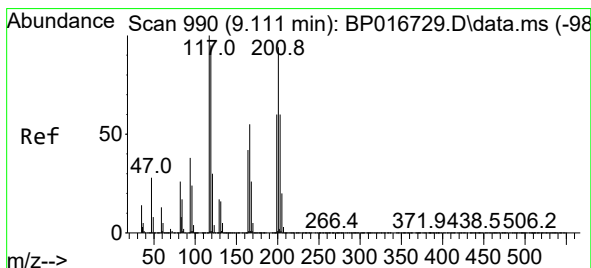
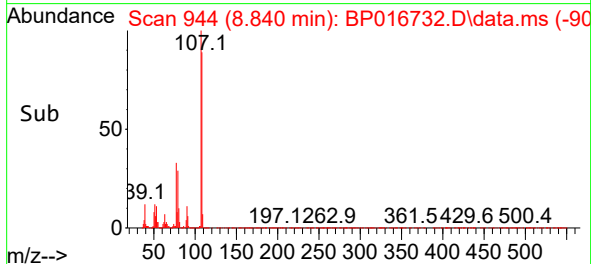
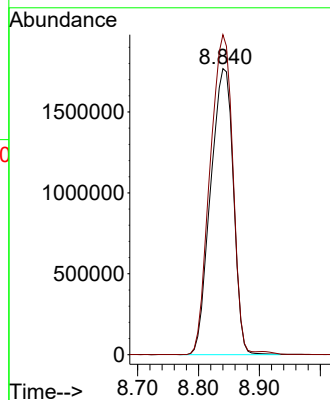
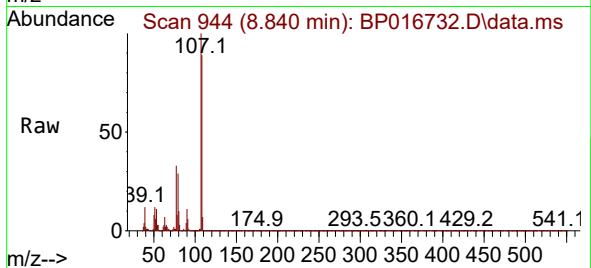
SSTD160636

Tgt Ion:108 Resp: 4590558

Ion Ratio Lower Upper

108 100

107 111.8 89.8 134.6



#19

Hexachloroethane

Concen: 157.903 ng/ul

RT: 9.116 min Scan# 991

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

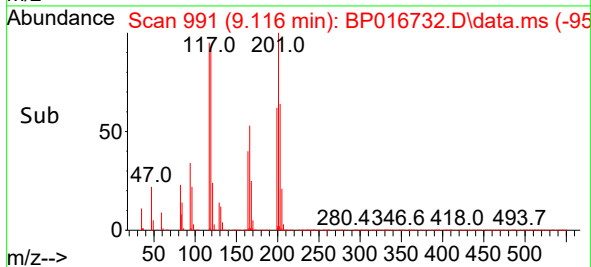
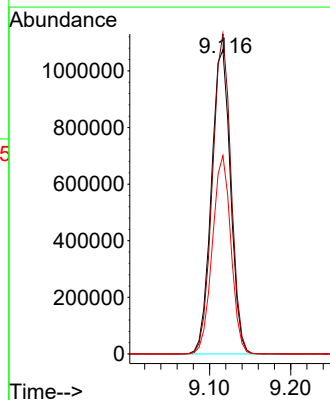
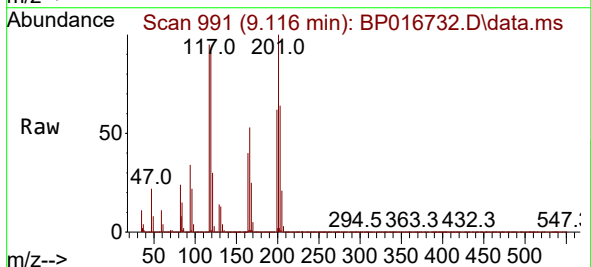
Tgt Ion:117 Resp: 1761866

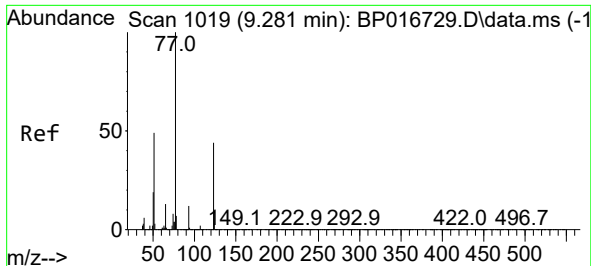
Ion Ratio Lower Upper

117 100

201 105.2 75.4 113.2

199 65.2 47.8 71.6

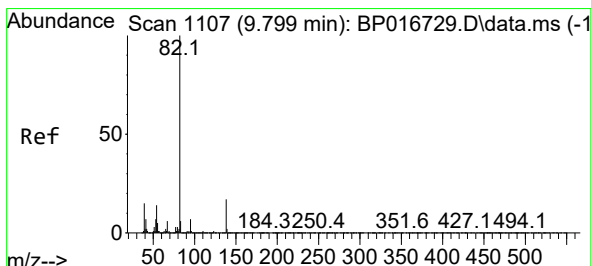
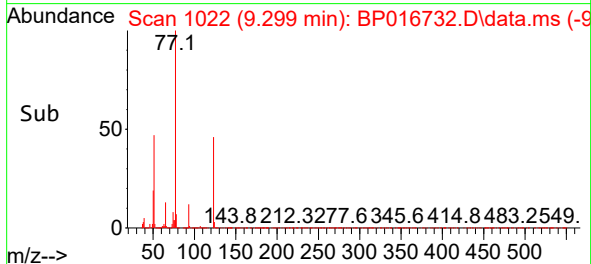
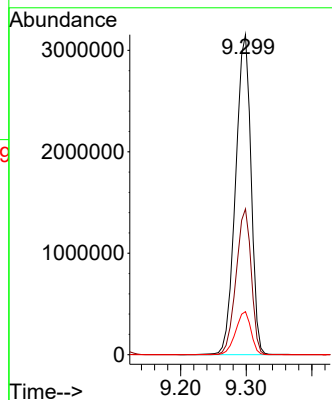
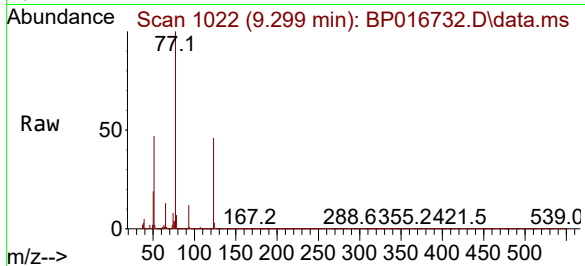




#22
Nitrobenzene
Concen: 154.252 ng/ul
RT: 9.299 min Scan# 1101
Delta R.T. 0.018 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

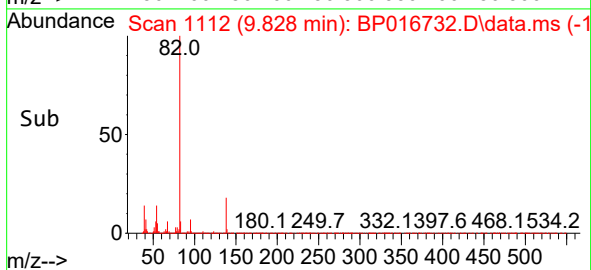
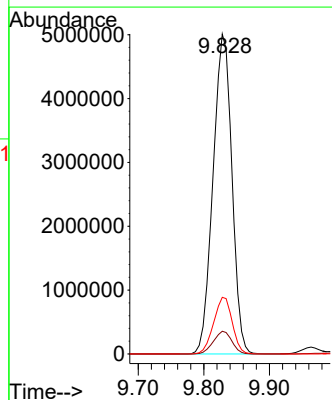
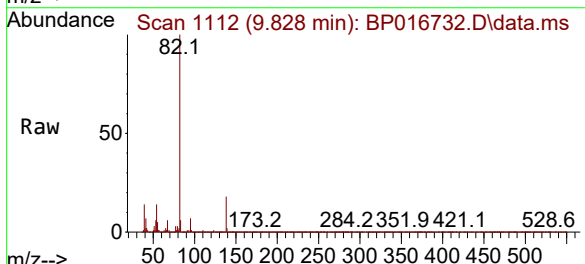
Instrument :
BNA_P
ClientSampleId :
SSTD160636

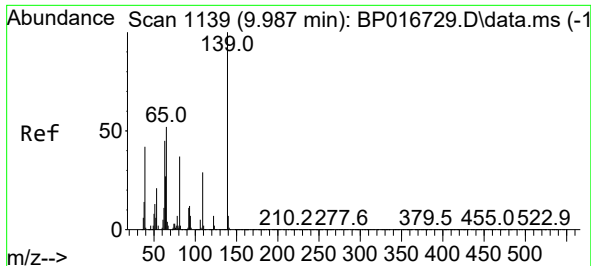
Tgt Ion: 77 Resp: 5162560
Ion Ratio Lower Upper
77 100
123 45.5 34.9 52.3
65 13.4 10.6 15.8



#23
Isophorone
Concen: 154.039 ng/ul
RT: 9.828 min Scan# 1112
Delta R.T. 0.029 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion: 82 Resp:10012830
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.0
138 17.7 13.5 20.3

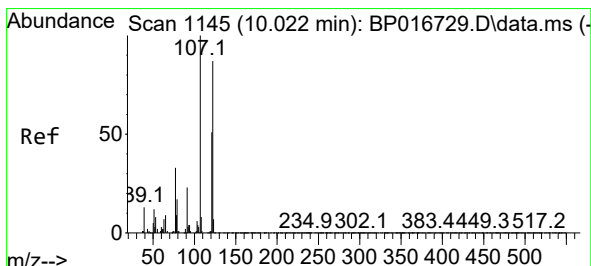
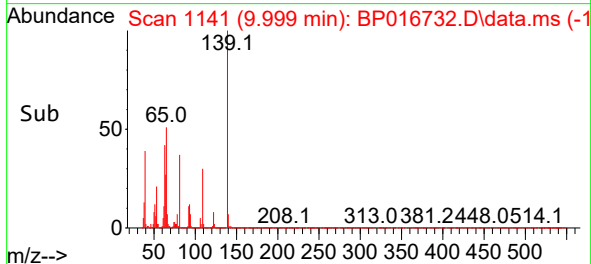
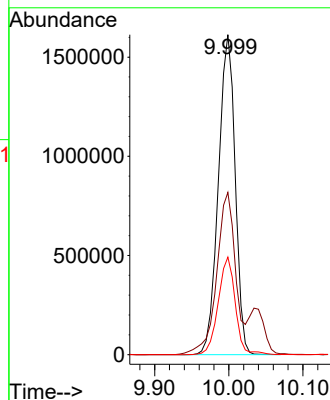
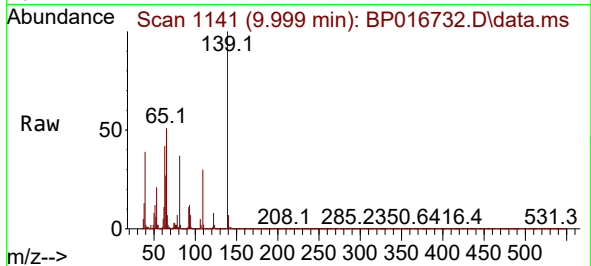




#25
2-Nitrophenol
Concen: 166.909 ng/ul
RT: 9.999 min Scan# 1141
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

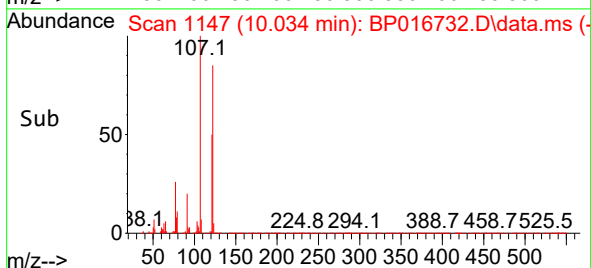
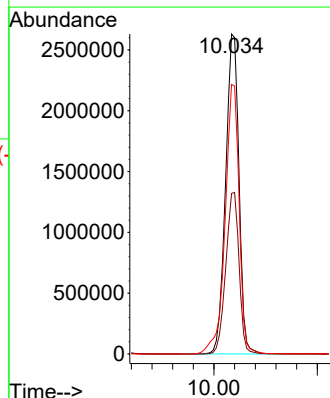
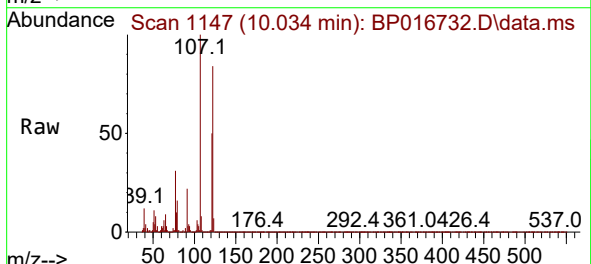
Instrument :
BNA_P
ClientSampleId :
SSTD160636

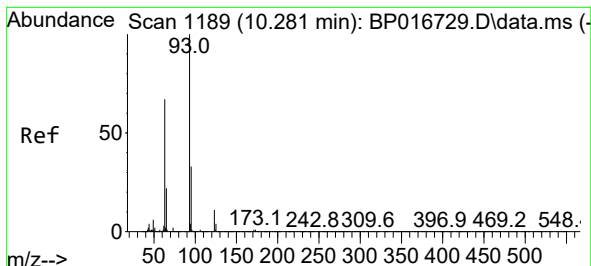
Tgt Ion:139 Resp: 2537847
Ion Ratio Lower Upper
139 100
65 50.7 42.0 63.0
109 30.5 23.4 35.2



#26
2,4-Dimethylphenol
Concen: 154.248 ng/ul
RT: 10.034 min Scan# 1147
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:107 Resp: 4713885
Ion Ratio Lower Upper
107 100
121 50.2 40.7 61.1
122 84.2 69.7 104.5

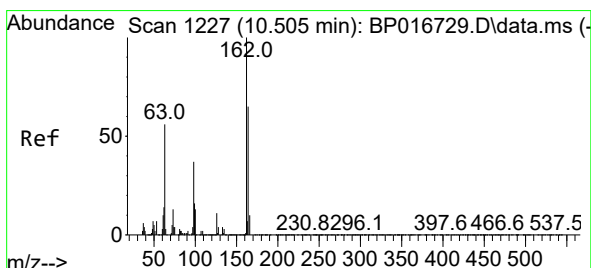
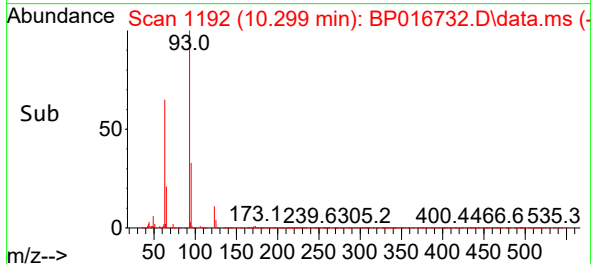
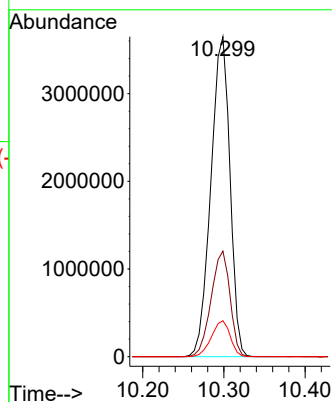
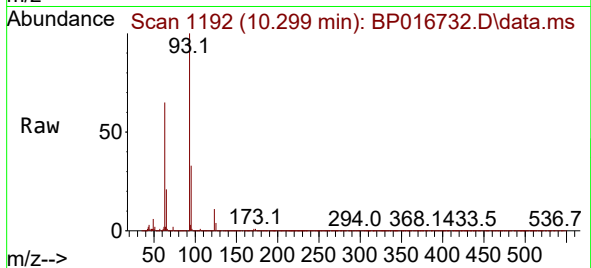




#27
 Bis(2-Chloroethoxy)methane
 Concen: 148.492 ng/ul
 RT: 10.299 min Scan# 1189
 Delta R.T. 0.018 min
 Lab File: BP016732.D
 Acq: 24 Aug 2023 17:21

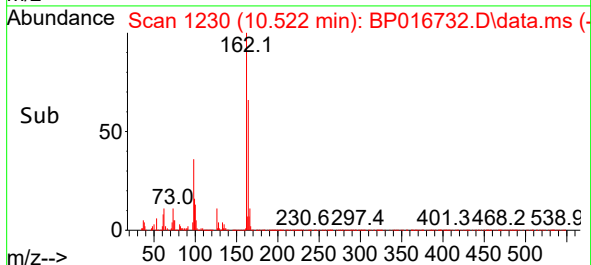
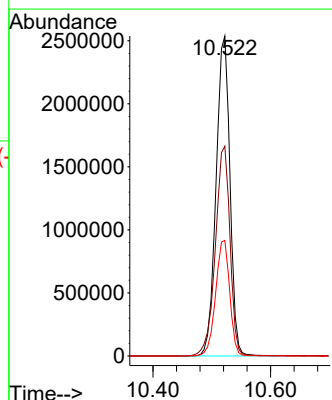
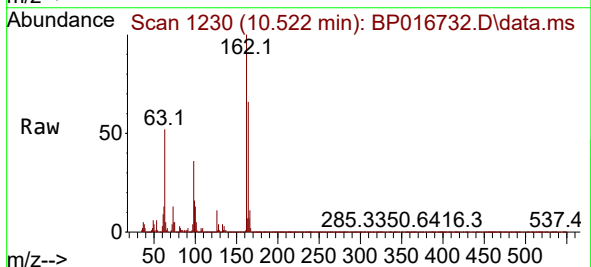
Instrument :
 BNA_P
 ClientSampleId :
 SSTD160636

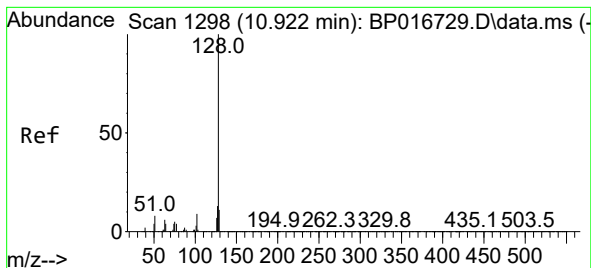
Tgt Ion: 93 Resp: 5954993
 Ion Ratio Lower Upper
 93 100
 95 33.0 26.3 39.5
 123 11.3 8.8 13.2



#29
 2,4-Dichlorophenol
 Concen: 161.513 ng/ul
 RT: 10.522 min Scan# 1230
 Delta R.T. 0.018 min
 Lab File: BP016732.D
 Acq: 24 Aug 2023 17:21

Tgt Ion:162 Resp: 4159186
 Ion Ratio Lower Upper
 162 100
 164 65.6 52.2 78.2
 98 36.1 29.3 43.9

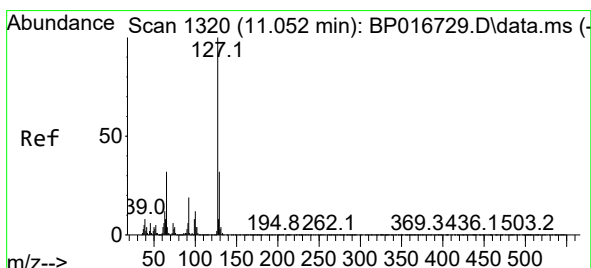
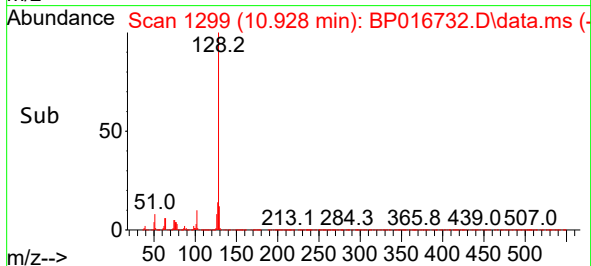
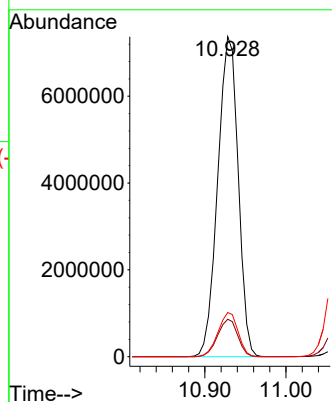
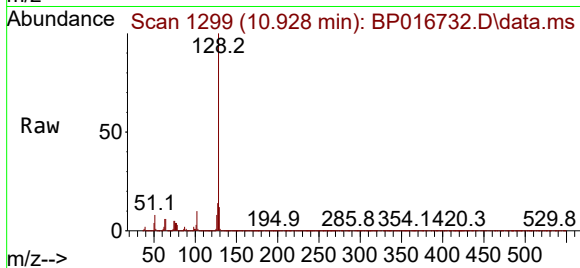




#30
Naphthalene
Concen: 144.694 ng/ul
RT: 10.928 min Scan# 1298
Delta R.T. 0.006 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

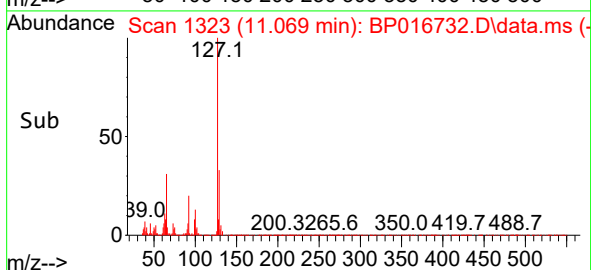
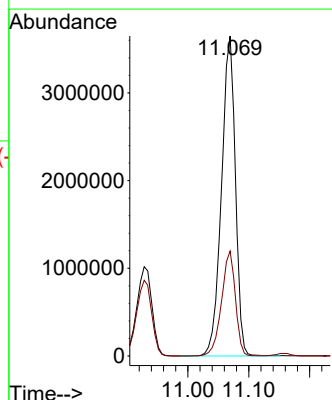
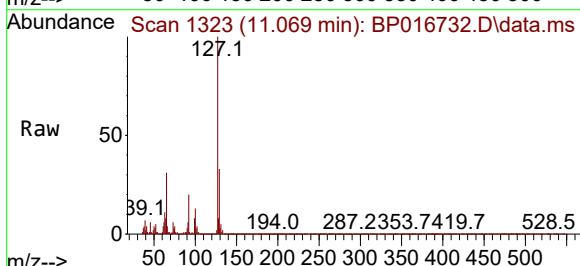
Instrument :
BNA_P
ClientSampleId :
SSTD160636

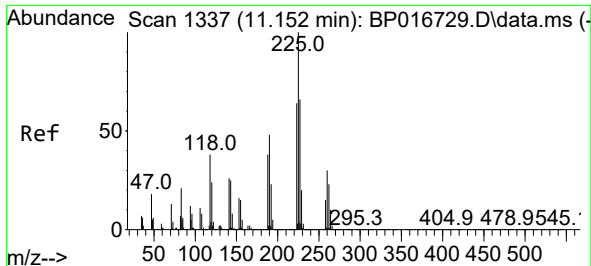
Tgt Ion:128 Resp:12932464
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.8 10.3 15.5



#32
4-Chloroaniline
Concen: 149.577 ng/ul
RT: 11.069 min Scan# 1323
Delta R.T. 0.018 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:127 Resp: 5778971
Ion Ratio Lower Upper
127 100
129 32.8 25.9 38.9

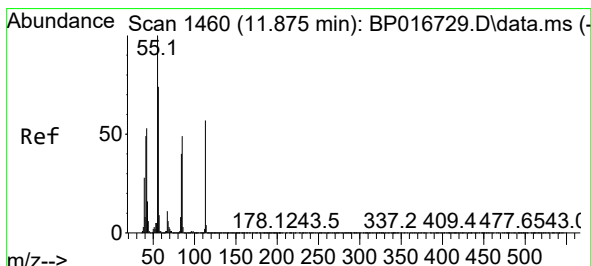
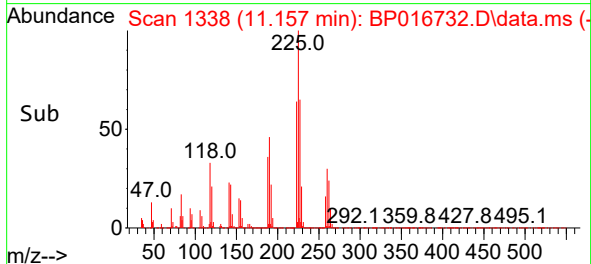
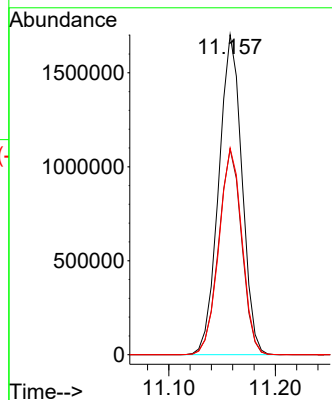
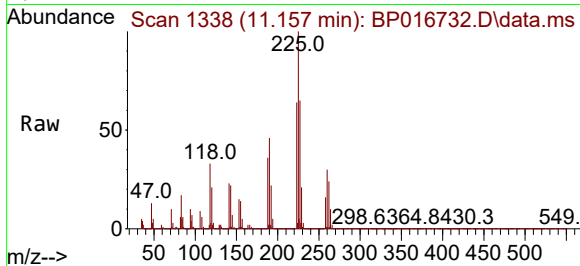




#33
Hexachlorobutadiene
Concen: 162.372 ng/ul
RT: 11.157 min Scan# 111
Delta R.T. 0.006 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

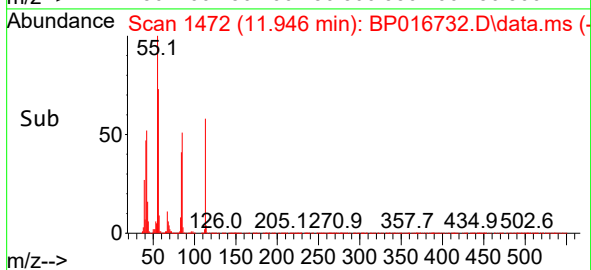
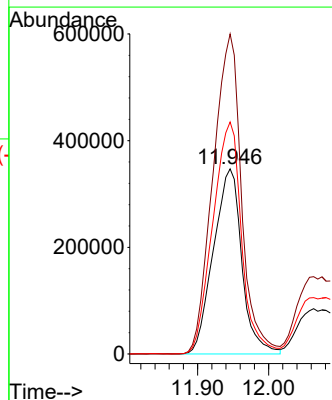
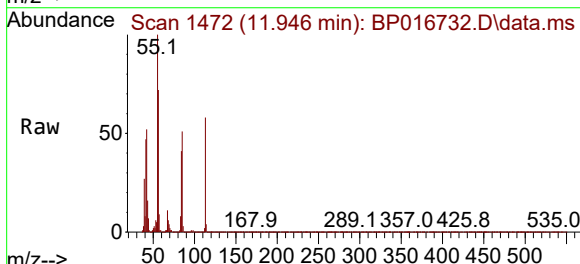
Instrument :
BNA_P
ClientSampleId :
SSTD160636

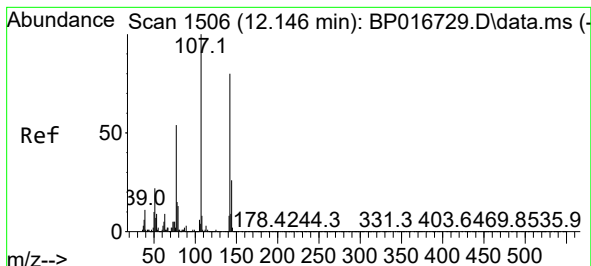
Tgt Ion:225 Resp: 2575639
Ion Ratio Lower Upper
225 100
223 64.2 51.0 76.4
227 64.6 52.5 78.7



#34
Caprolactam
Concen: 100.541 ng/ul
RT: 11.946 min Scan# 1472
Delta R.T. 0.071 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:113 Resp: 962933
Ion Ratio Lower Upper
113 100
55 172.8 140.6 210.8
56 125.3 104.5 156.7

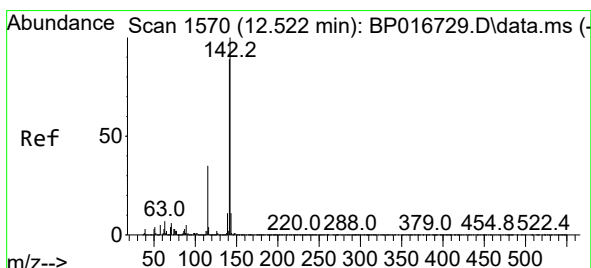
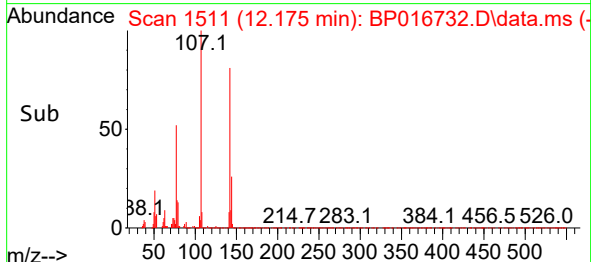
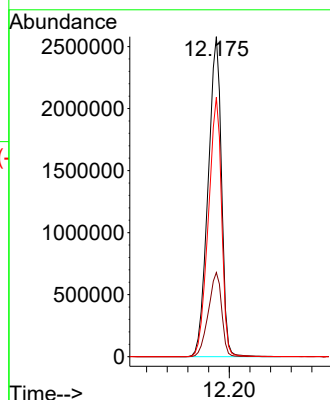
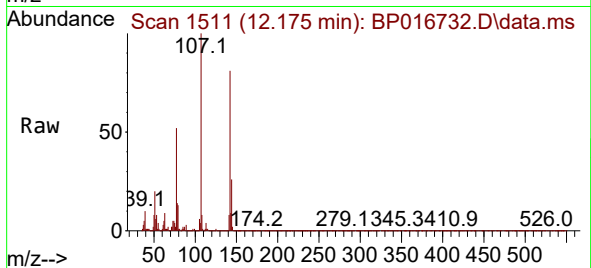




#35
4-Chloro-3-methylphenol
Concen: 160.574 ng/ul
RT: 12.175 min Scan# 1511
Delta R.T. 0.029 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

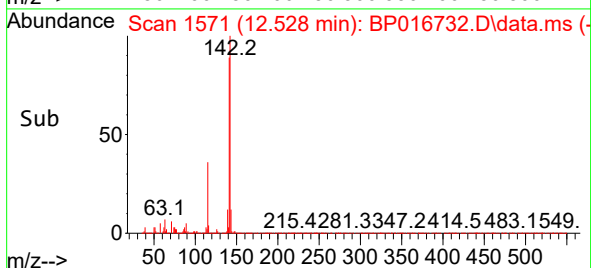
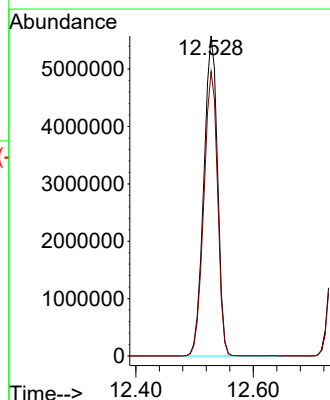
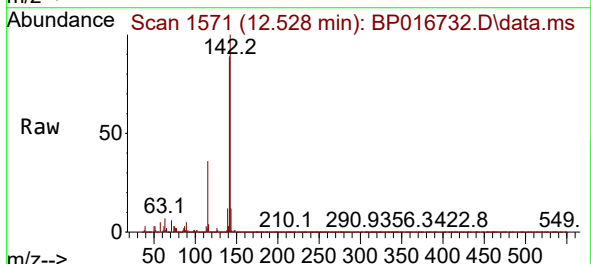
Instrument :
BNA_P
ClientSampleId :
SSTD160636

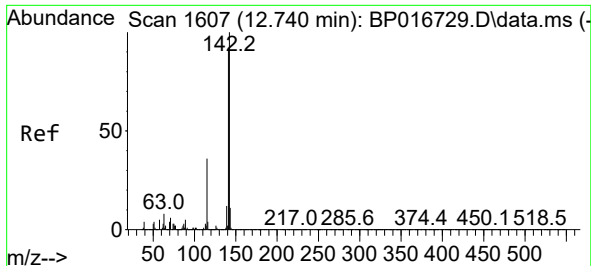
Tgt Ion:107 Resp: 4636980
Ion Ratio Lower Upper
107 100
144 26.3 20.6 31.0
142 81.1 63.7 95.5



#36
2-Methylnaphthalene
Concen: 146.906 ng/ul
RT: 12.528 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:142 Resp: 9063074
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.0





#37

1-Methylnaphthalene

Concen: 145.239 ng/ul

RT: 12.752 min Scan# 1609

Delta R.T. 0.012 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

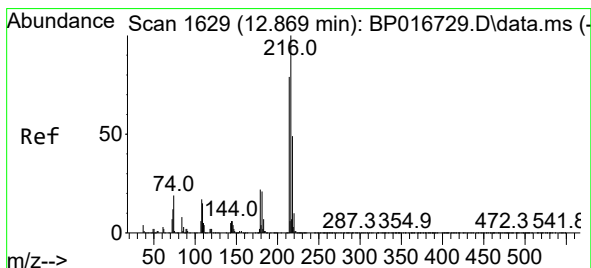
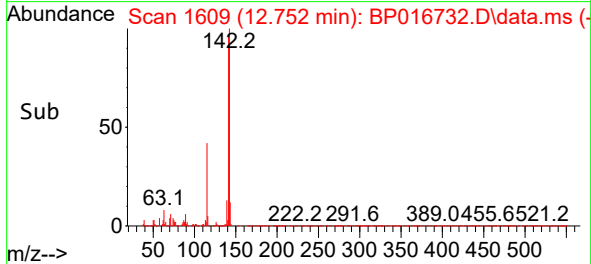
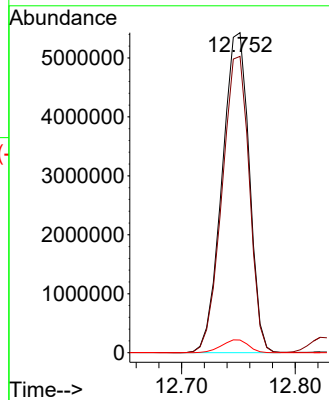
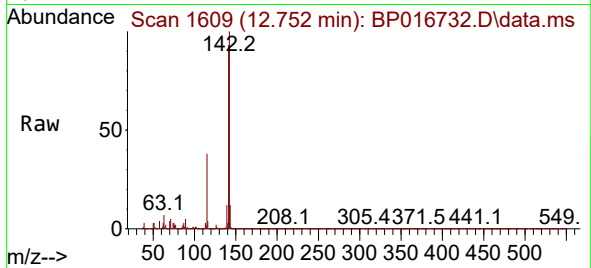
Tgt Ion:142 Resp: 9035587

Ion Ratio Lower Upper

142 100

141 92.6 73.0 109.4

116 4.0 3.1 4.7



#39

1,2,4,5-Tetrachlorobenzene

Concen: 163.293 ng/ul

RT: 12.875 min Scan# 1630

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Tgt Ion:216 Resp: 4940980

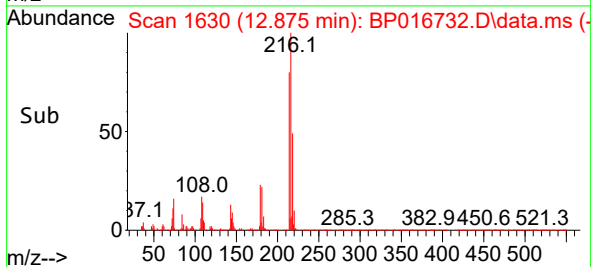
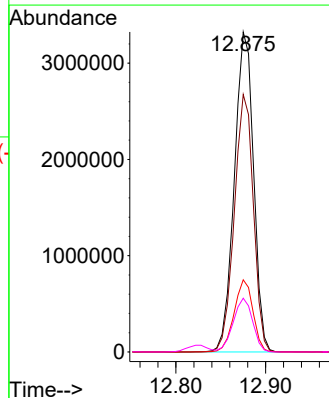
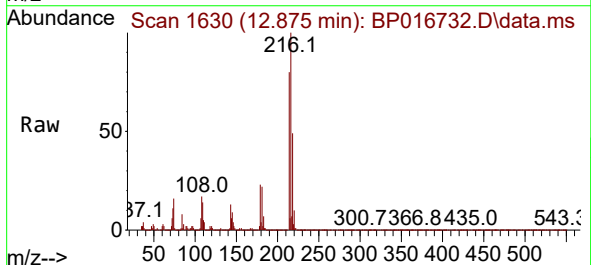
Ion Ratio Lower Upper

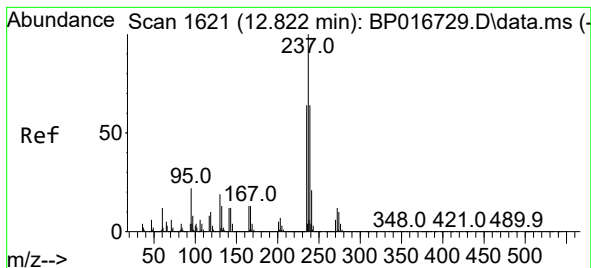
216 100

214 80.5 63.4 95.2

179 22.6 17.4 26.2

108 16.8 15.3 22.9





#40

Hexachlorocyclopentadiene

Concen: 150.624 ng/ul

RT: 12.828 min Scan# 1621

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

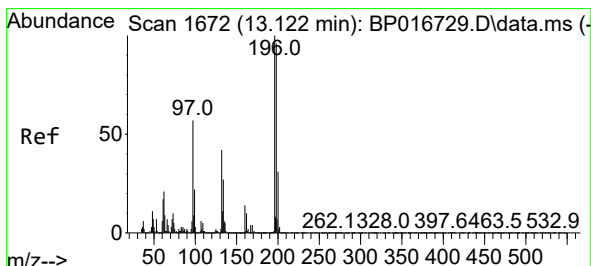
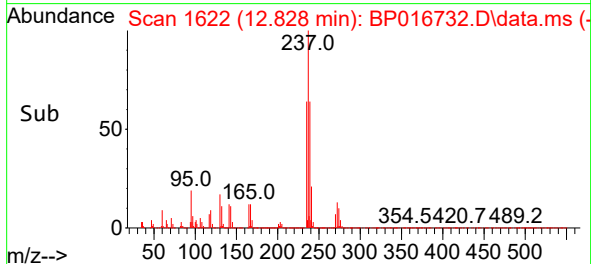
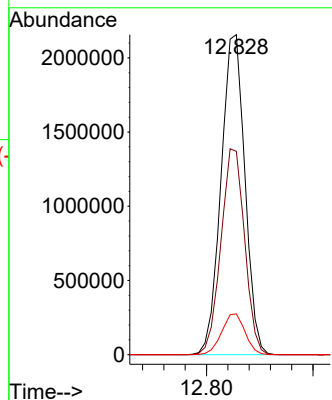
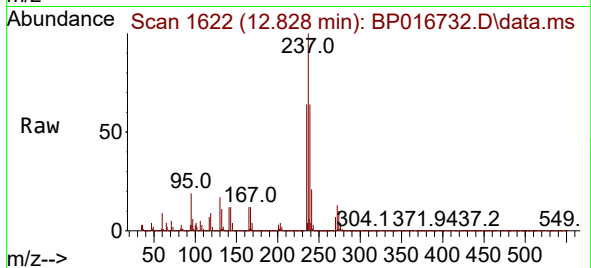
Tgt Ion:237 Resp: 3351664

Ion Ratio Lower Upper

237 100

235 63.6 51.3 76.9

272 12.8 9.8 14.8



#41

2,4,6-Trichlorophenol

Concen: 174.173 ng/ul

RT: 13.128 min Scan# 1673

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

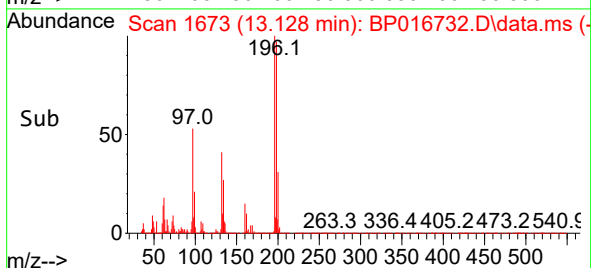
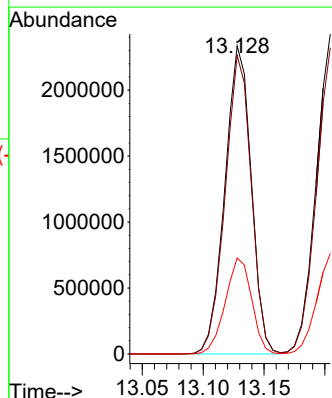
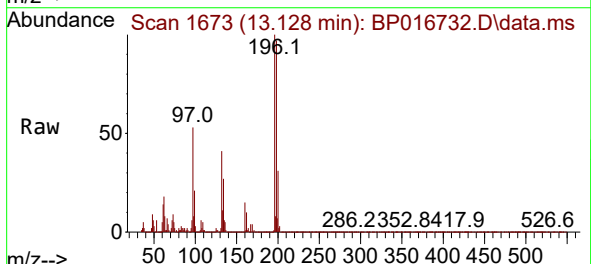
Tgt Ion:196 Resp: 3519363

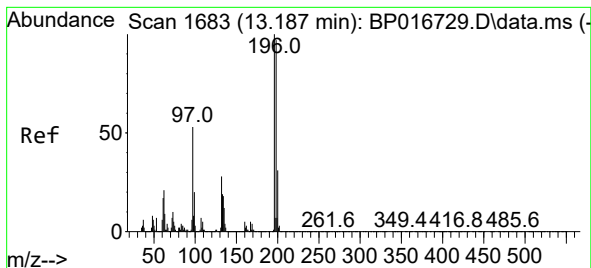
Ion Ratio Lower Upper

196 100

198 96.9 76.6 115.0

200 31.2 25.2 37.8





#42

2,4,5-Trichlorophenol

Concen: 172.271 ng/ul

RT: 13.204 min Scan# 1

Delta R.T. 0.018 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

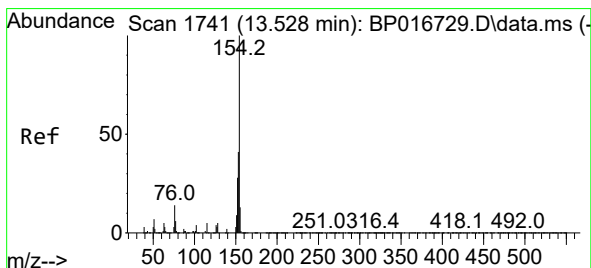
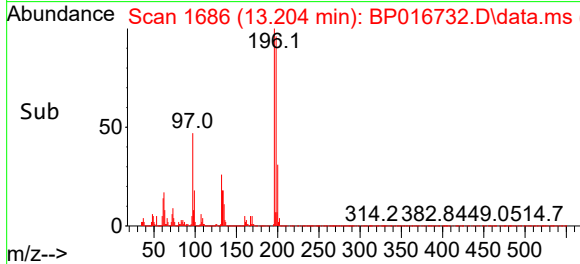
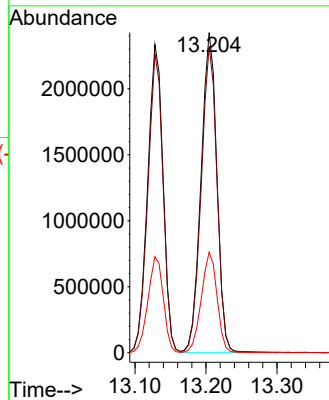
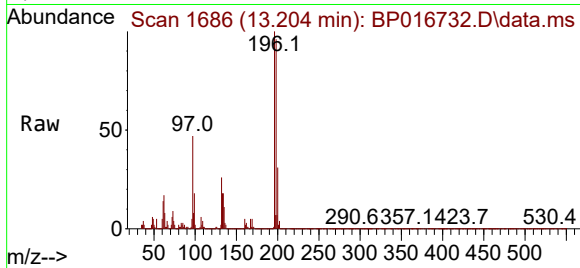
Tgt Ion:196 Resp: 3766713

Ion Ratio Lower Upper

196 100

198 95.8 77.8 116.8

200 31.4 24.8 37.2



#43

1,1'-Biphenyl

Concen: 143.470 ng/ul

RT: 13.534 min Scan# 1742

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

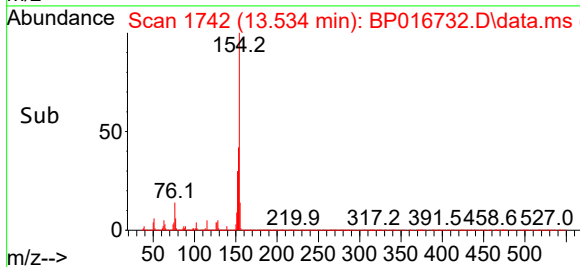
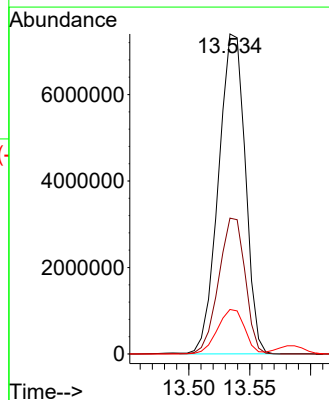
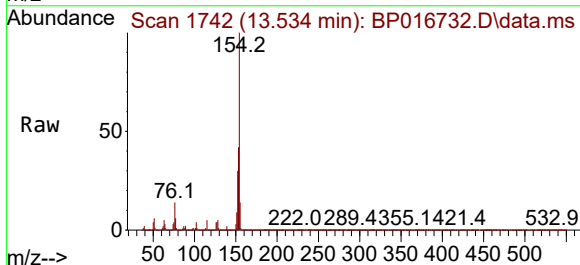
Tgt Ion:154 Resp:11324648

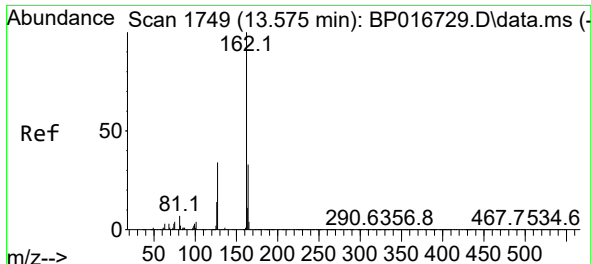
Ion Ratio Lower Upper

154 100

153 42.5 32.7 49.1

76 13.9 11.3 16.9

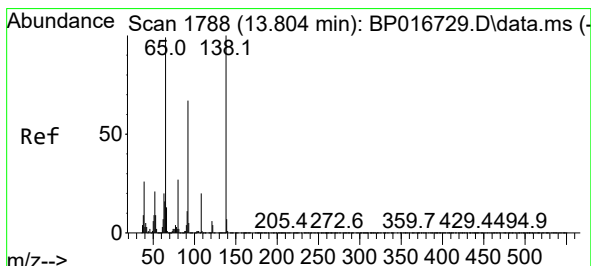
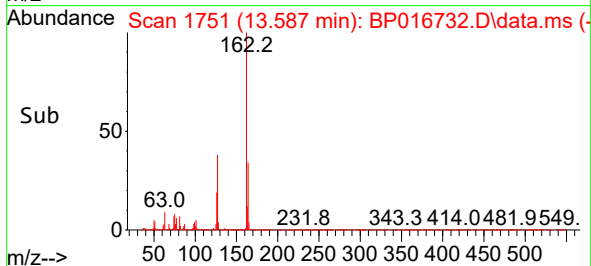
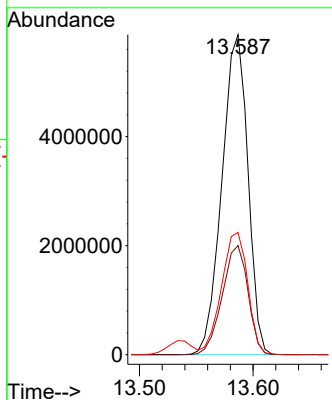
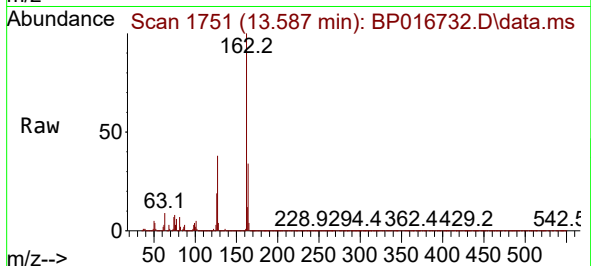




#44
2-Chloronaphthalene
Concen: 149.397 ng/ul
RT: 13.587 min Scan# 1751
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

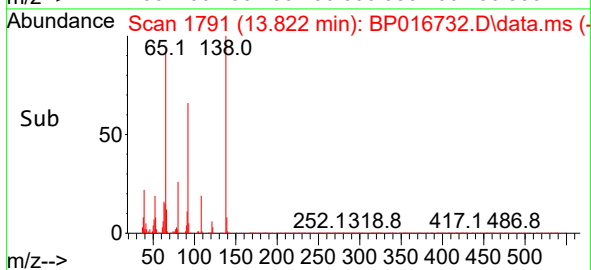
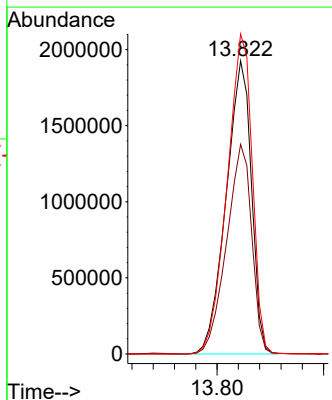
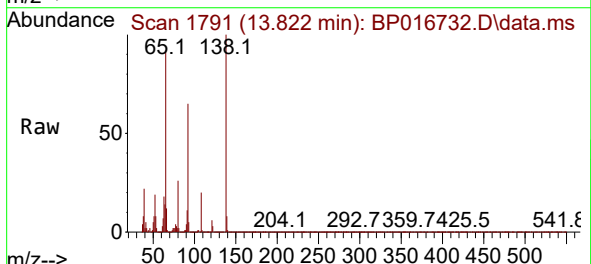
Instrument :
BNA_P
ClientSampleId :
SSTD160636

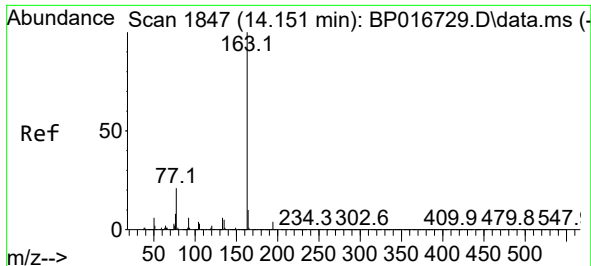
Tgt Ion:162 Resp: 9309224
Ion Ratio Lower Upper
162 100
164 34.1 26.1 39.1
127 38.2 30.8 46.2



#45
2-Nitroaniline
Concen: 168.042 ng/ul
RT: 13.822 min Scan# 1791
Delta R.T. 0.018 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion: 65 Resp: 3175555
Ion Ratio Lower Upper
65 100
92 71.5 53.8 80.8
138 109.1 80.7 121.1

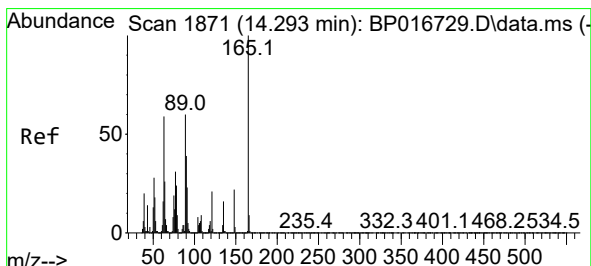
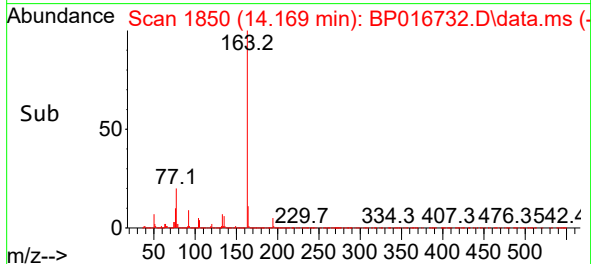
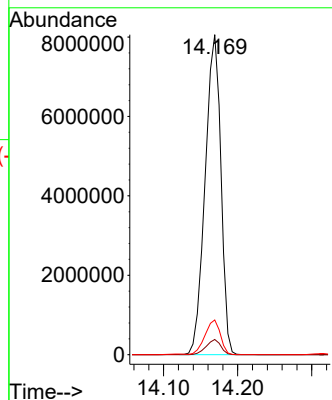
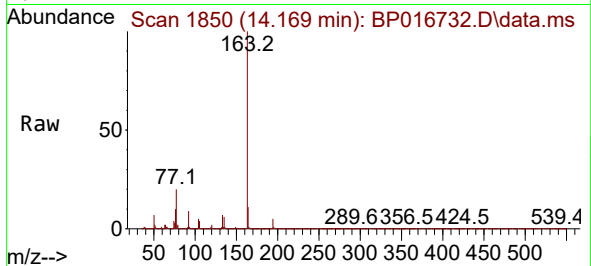




#47
Dimethylphthalate
Concen: 146.413 ng/ul
RT: 14.169 min Scan# 1850
Delta R.T. 0.018 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

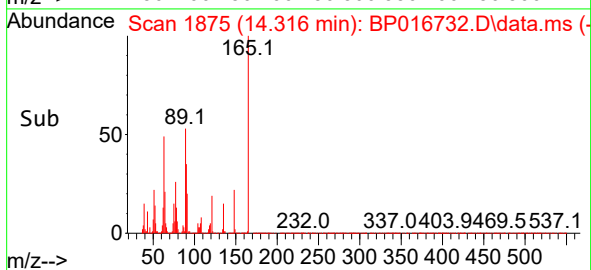
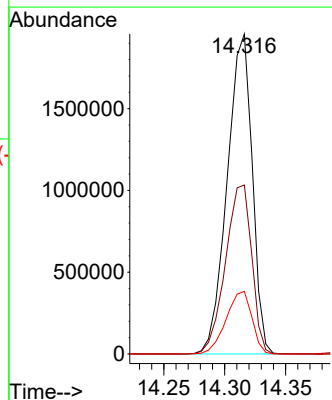
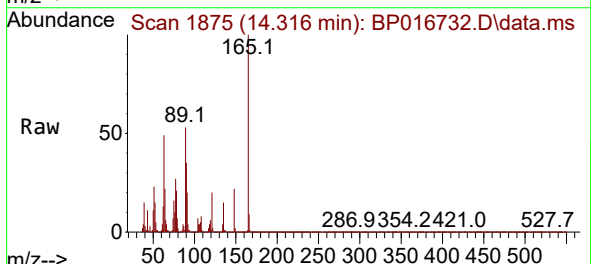
Instrument :
BNA_P
ClientSampleId :
SSTD160636

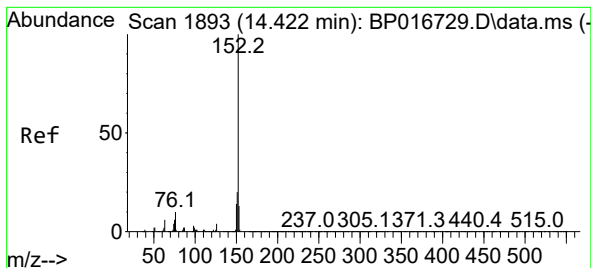
Tgt Ion:163 Resp:11871730
Ion Ratio Lower Upper
163 100
194 4.7 3.2 4.8
164 10.8 8.2 12.4



#48
2,6-Dinitrotoluene
Concen: 176.127 ng/ul
RT: 14.316 min Scan# 1875
Delta R.T. 0.024 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:165 Resp: 2797866
Ion Ratio Lower Upper
165 100
89 52.8 48.0 72.0
121 19.5 16.9 25.3





#50

Acenaphthylene

Concen: 134.079 ng/ul

RT: 14.428 min Scan# 1893

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

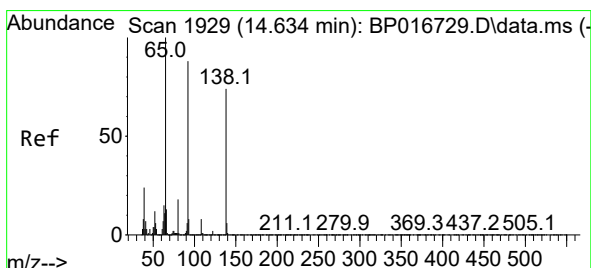
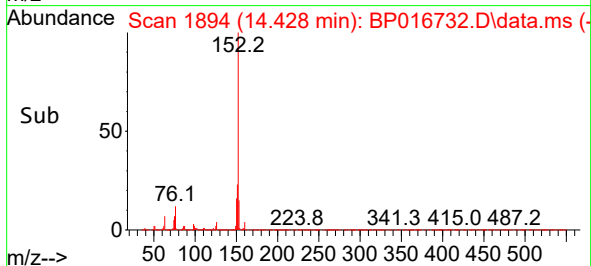
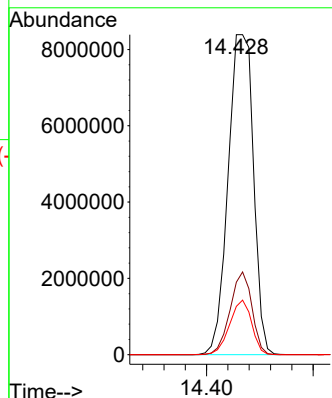
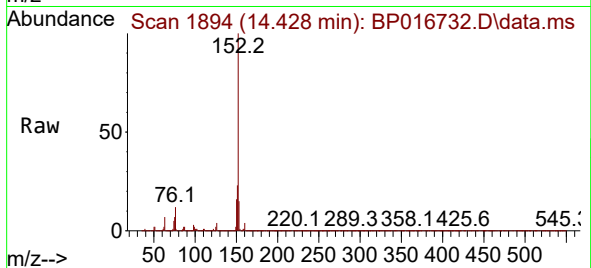
Tgt Ion:152 Resp:13889584

Ion Ratio Lower Upper

152 100

151 22.7 16.1 24.1

153 15.1 10.6 15.8



#51

3-Nitroaniline

Concen: 150.862 ng/ul

RT: 14.651 min Scan# 1932

Delta R.T. 0.018 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

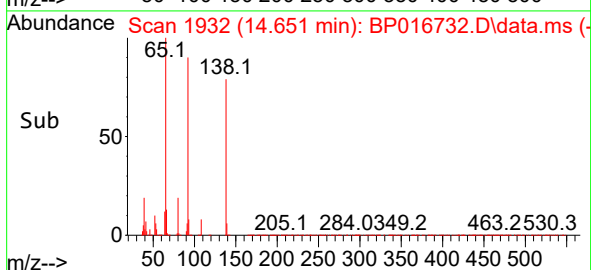
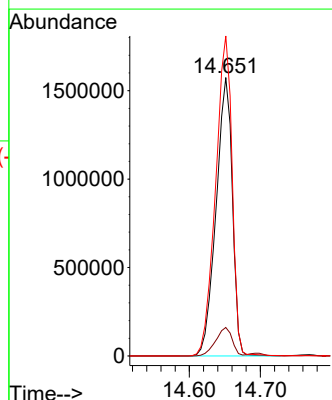
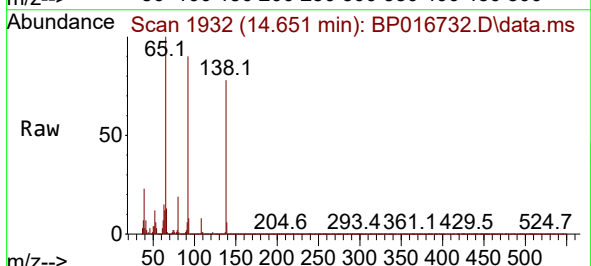
Tgt Ion:138 Resp: 2495914

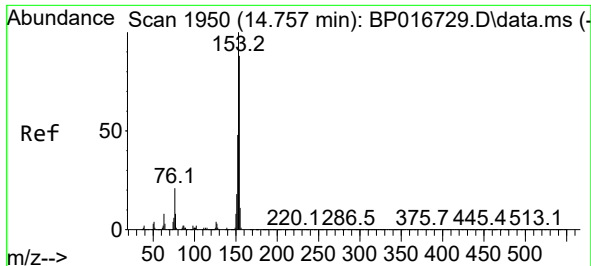
Ion Ratio Lower Upper

138 100

108 10.2 8.2 12.4

92 114.9 95.4 143.0

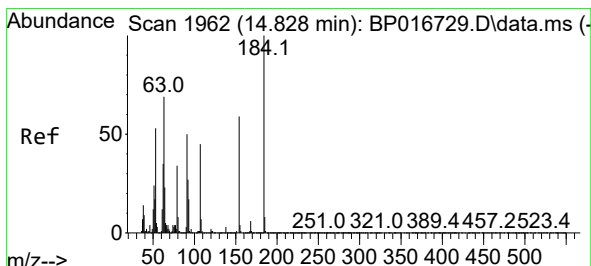
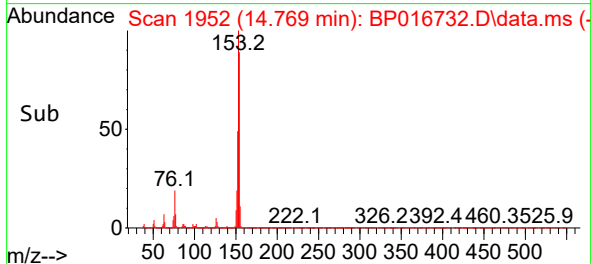
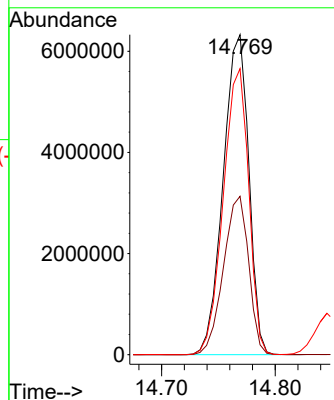
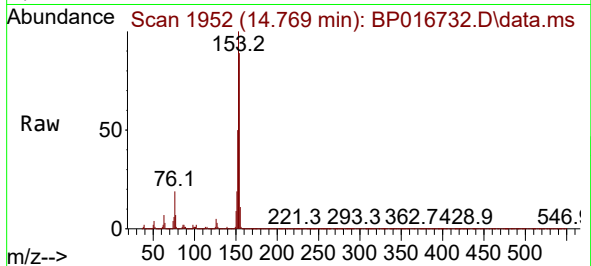




#52
Acenaphthene
Concen: 144.716 ng/ul
RT: 14.769 min Scan# 1950
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

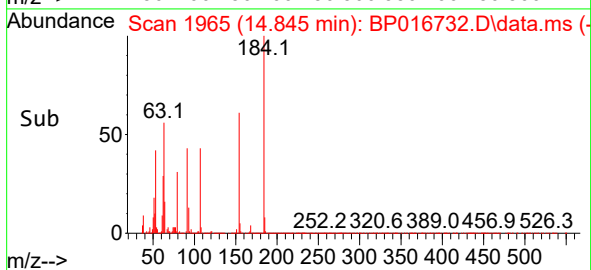
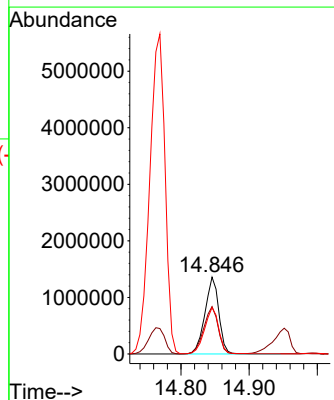
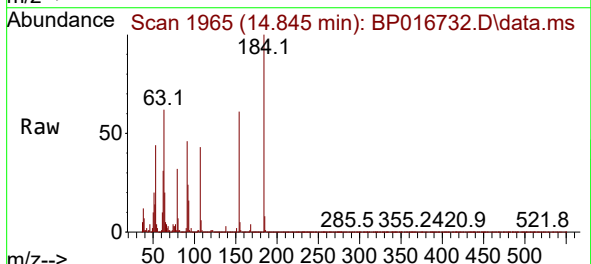
Instrument :
BNA_P
ClientSampleId :
SSTD160636

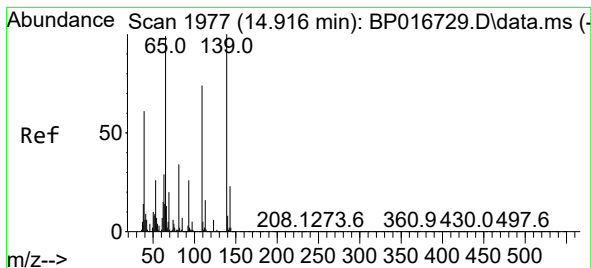
Tgt Ion:153 Resp: 9917909
Ion Ratio Lower Upper
153 100
152 49.5 38.5 57.7
154 89.4 70.6 105.8



#53
2,4-Dinitrophenol
Concen: 166.591 ng/ul
RT: 14.845 min Scan# 1965
Delta R.T. 0.018 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:184 Resp: 1923330
Ion Ratio Lower Upper
184 100
63 61.6 55.3 82.9
154 60.5 50.3 75.5

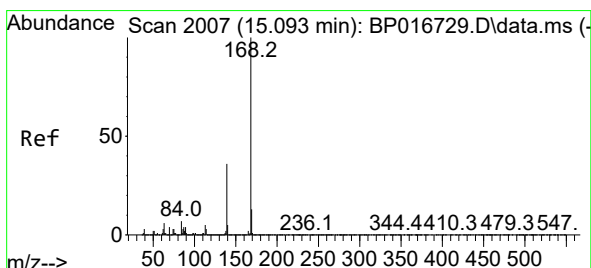
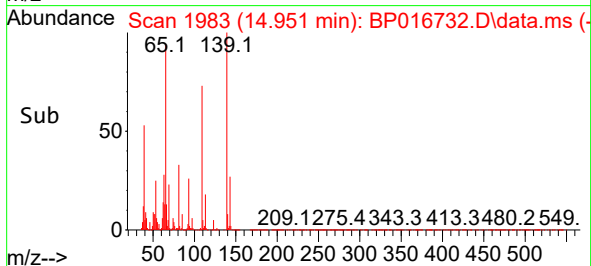
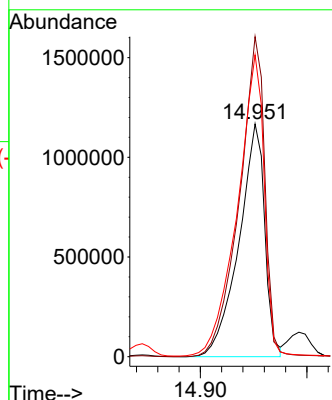
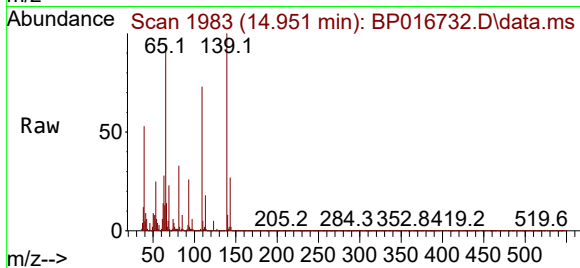




#55
4-Nitrophenol
Concen: 156.182 ng/ul
RT: 14.951 min Scan# 1977
Delta R.T. 0.035 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

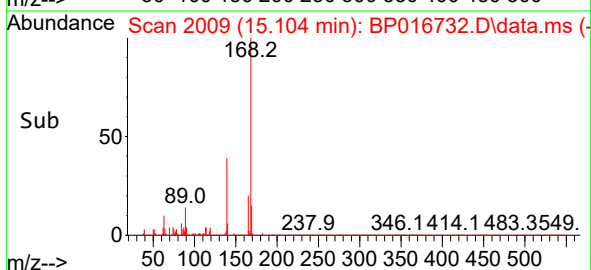
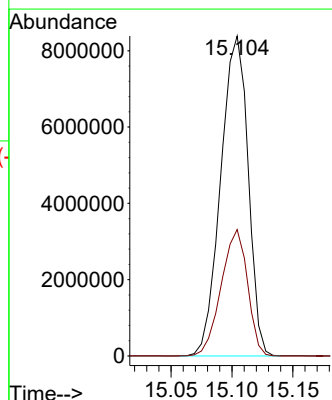
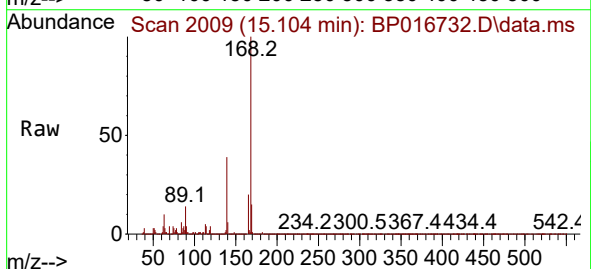
Instrument :
BNA_P
ClientSampleId :
SSTD160636

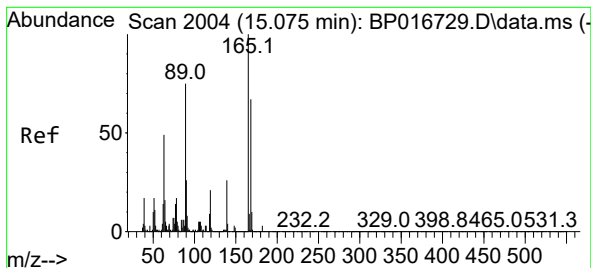
Tgt Ion:109 Resp: 1951881
Ion Ratio Lower Upper
109 100
139 137.5 108.6 163.0
65 129.7 107.8 161.6



#56
Dibenzofuran
Concen: 139.699 ng/ul
RT: 15.104 min Scan# 2009
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:168 Resp:13136673
Ion Ratio Lower Upper
168 100
139 39.5 29.2 43.8





#57

2,4-Dinitrotoluene

Concen: 166.125 ng/ul

RT: 15.098 min Scan# 2008

Delta R.T. 0.024 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

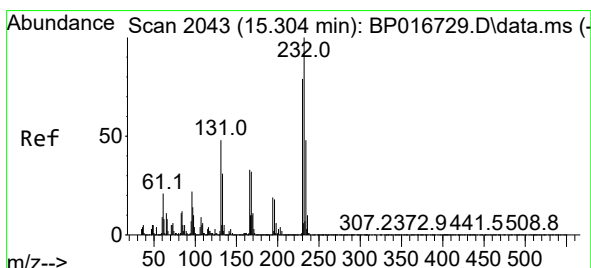
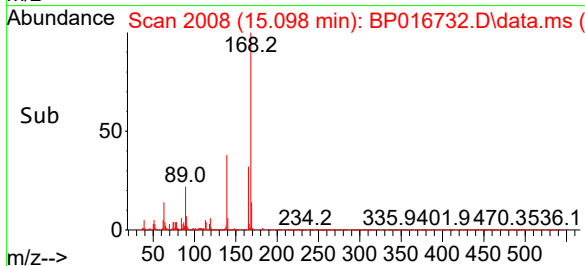
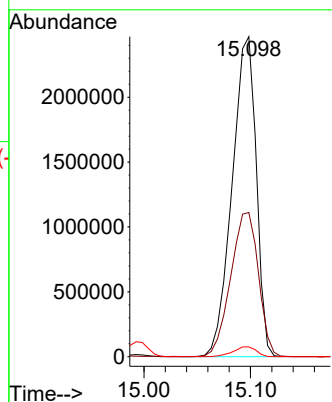
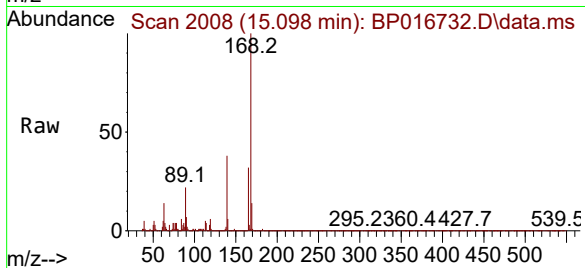
Tgt Ion:165 Resp: 3885002

Ion Ratio Lower Upper

165 100

63 45.1 39.0 58.4

182 3.0 2.2 3.2



#58

2,3,4,6-Tetrachlorophenol

Concen: 175.417 ng/ul

RT: 15.316 min Scan# 2045

Delta R.T. 0.012 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Tgt Ion:232 Resp: 3265279

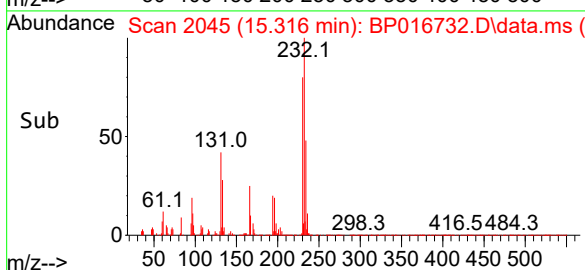
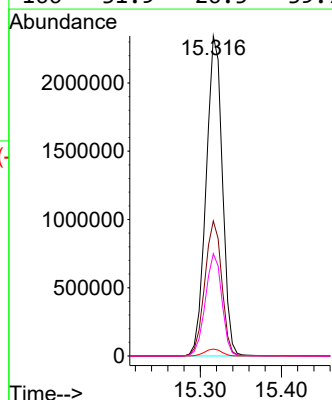
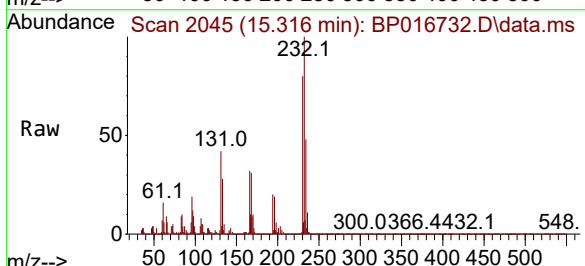
Ion Ratio Lower Upper

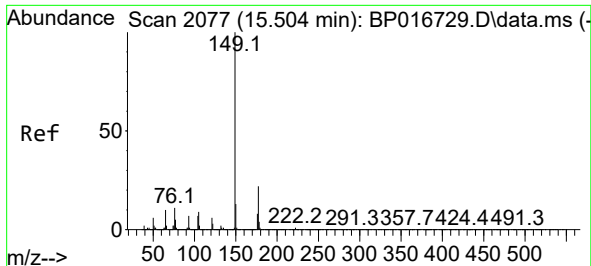
232 100

131 42.2 38.1 57.1

130 2.2 1.9 2.9

166 31.9 26.5 39.7

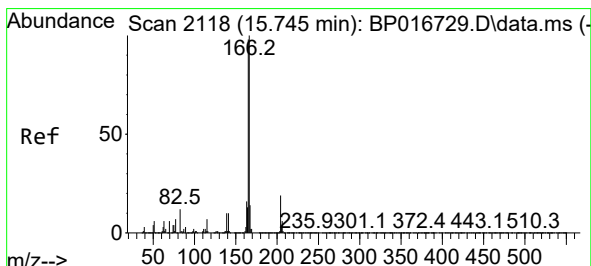
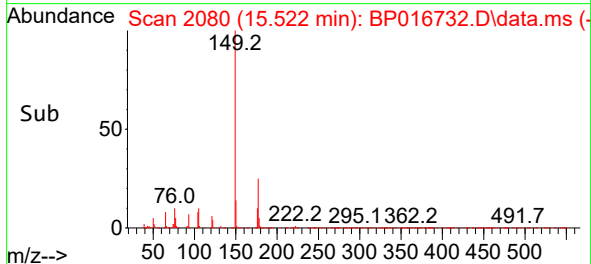
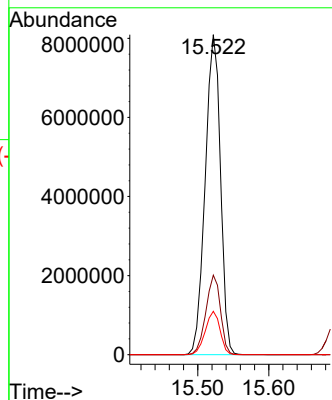
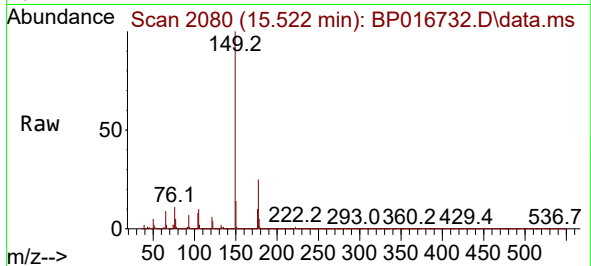




#59
Diethylphthalate
Concen: 146.979 ng/ul
RT: 15.522 min Scan# 2077
Delta R.T. 0.018 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

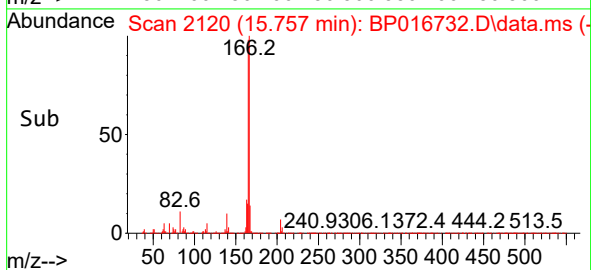
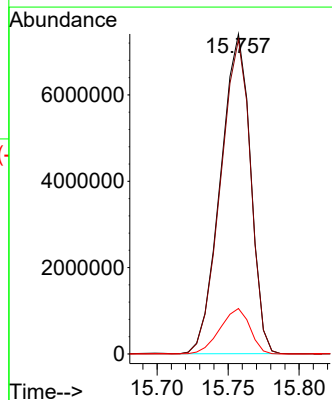
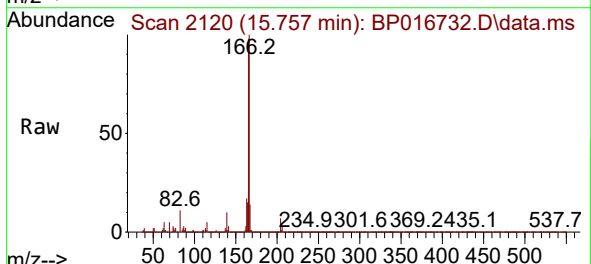
Instrument :
BNA_P
ClientSampleId :
SSTD160636

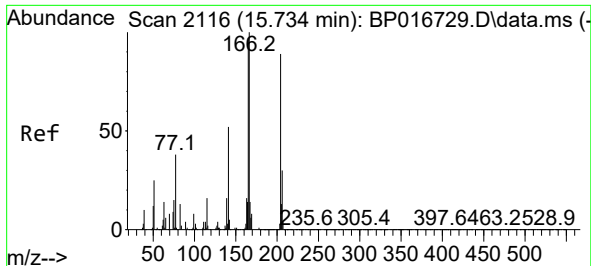
Tgt Ion:149 Resp:12107018
Ion Ratio Lower Upper
149 100
177 24.9 17.3 25.9
150 13.6 10.2 15.2



#61
Fluorene
Concen: 138.586 ng/ul
RT: 15.757 min Scan# 2120
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:166 Resp:10900428
Ion Ratio Lower Upper
166 100
165 98.3 78.8 118.2
167 14.2 10.9 16.3

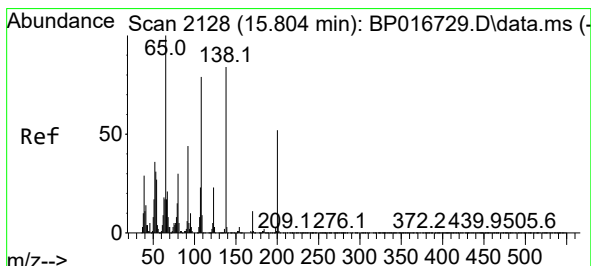
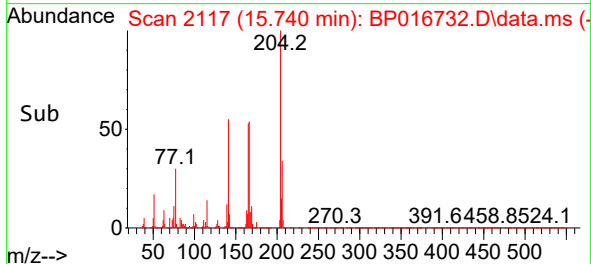
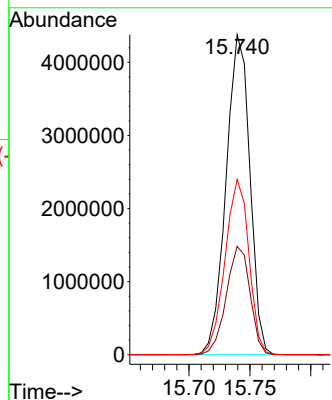
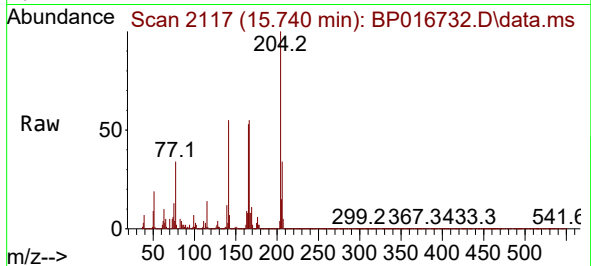




#62
4-Chlorophenyl-phenylether
Concen: 154.393 ng/ul
RT: 15.740 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

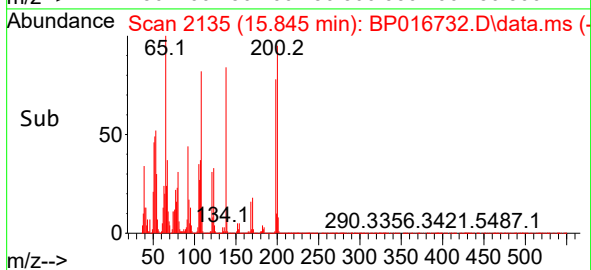
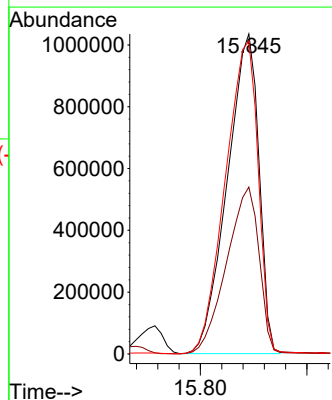
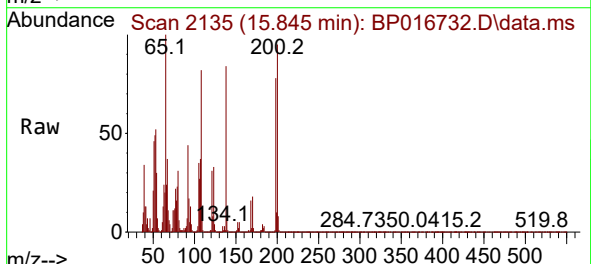
Instrument :
BNA_P
ClientSampleId :
SSTD160636

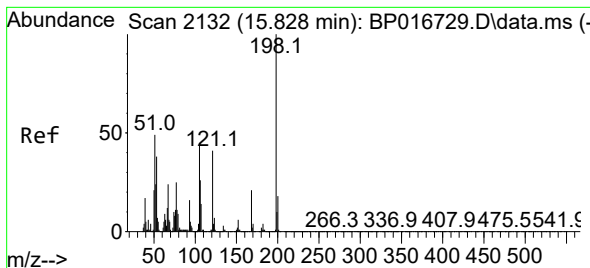
Tgt Ion:204 Resp: 5962220
Ion Ratio Lower Upper
204 100
206 33.9 26.7 40.1
141 54.7 46.8 70.2



#63
4-Nitroaniline
Concen: 135.254 ng/ul
RT: 15.845 min Scan# 2135
Delta R.T. 0.041 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:138 Resp: 2129290
Ion Ratio Lower Upper
138 100
92 52.2 41.6 62.4
108 97.8 74.9 112.3

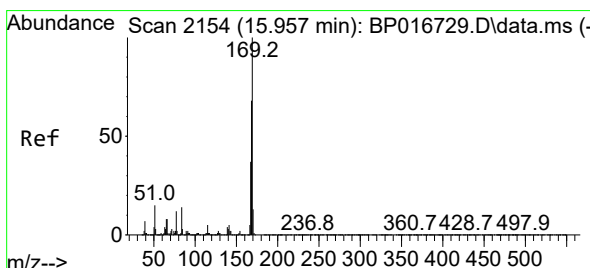
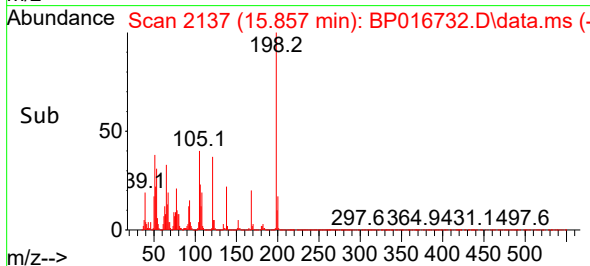
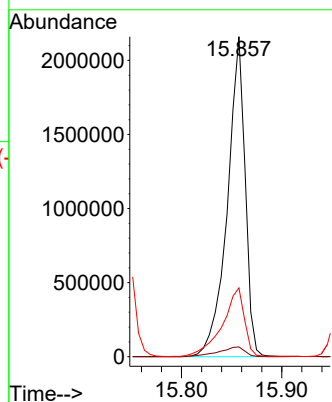
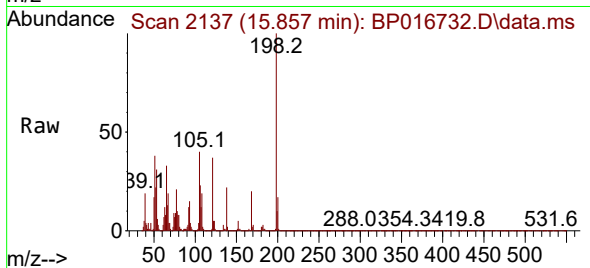




#66
4,6-Dinitro-2-methylphenol
Concen: 172.220 ng/ul
RT: 15.857 min Scan# 2132
Delta R.T. 0.029 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

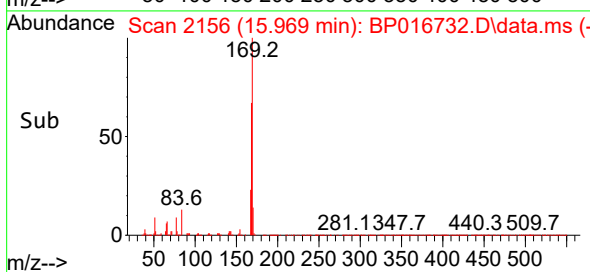
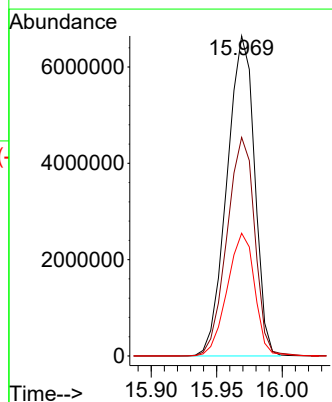
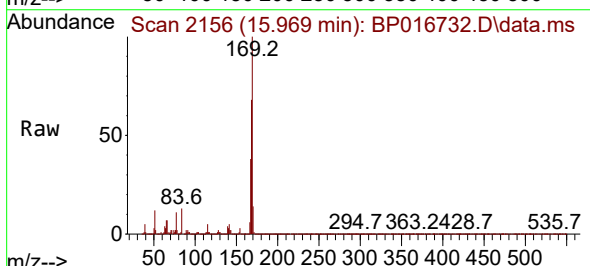
Instrument :
BNA_P
ClientSampleId :
SSTD160636

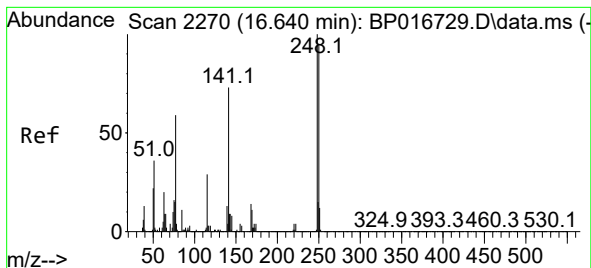
Tgt Ion:198 Resp: 2653516
Ion Ratio Lower Upper
198 100
182 3.1 3.2 4.8#
77 21.5 20.7 31.1



#67
N-Nitrosodiphenylamine
Concen: 146.715 ng/ul
RT: 15.969 min Scan# 2156
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:169 Resp: 9737792
Ion Ratio Lower Upper
169 100
168 68.3 54.2 81.2
167 38.3 29.4 44.2

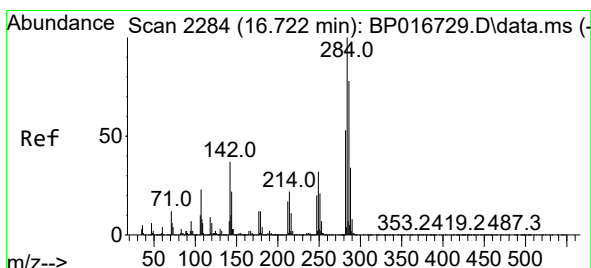
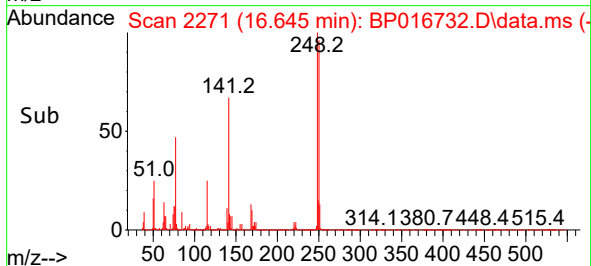
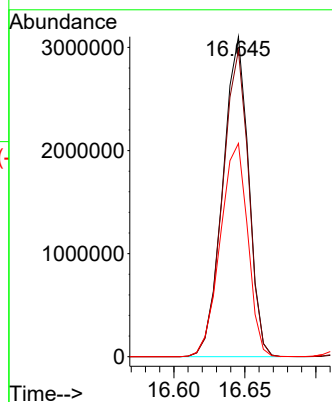
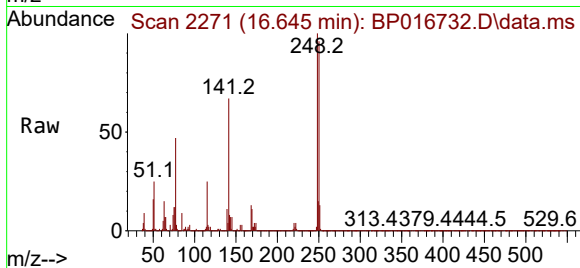




#68
4-Bromophenyl-phenylether
Concen: 170.365 ng/ul
RT: 16.645 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

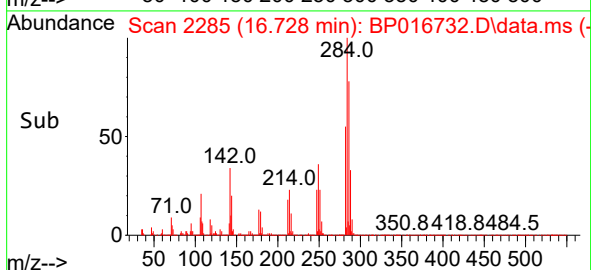
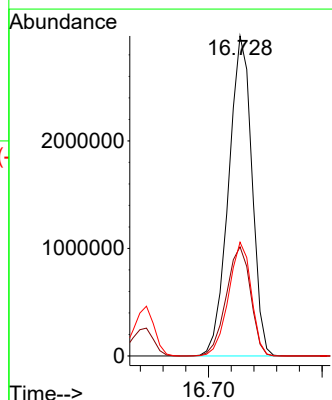
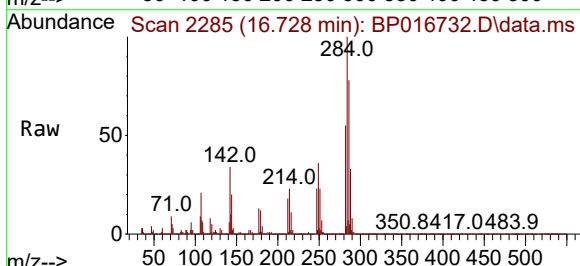
Instrument :
BNA_P
ClientSampleId :
SSTD160636

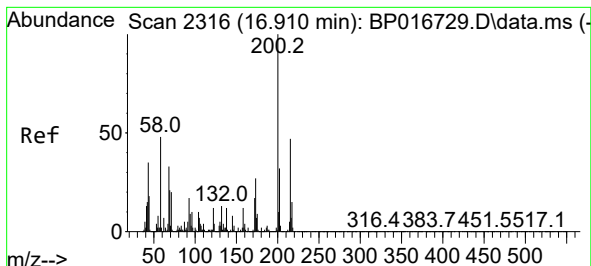
Tgt Ion:248 Resp: 3919673
Ion Ratio Lower Upper
248 100
250 95.8 75.4 113.2
141 66.6 58.7 88.1



#69
Hexachlorobenzene
Concen: 164.719 ng/ul
RT: 16.728 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:284 Resp: 4243255
Ion Ratio Lower Upper
284 100
142 34.1 29.8 44.8
249 35.5 25.9 38.9





#70

Atrazine

Concen: 154.984 ng/ul

RT: 16.934 min Scan# 21

Delta R.T. 0.024 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

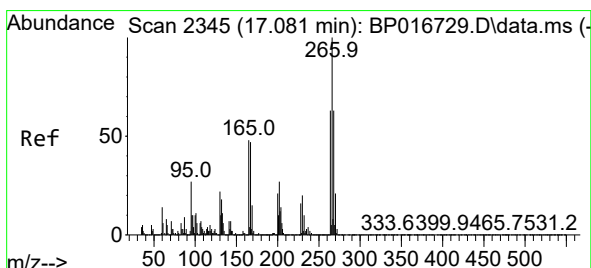
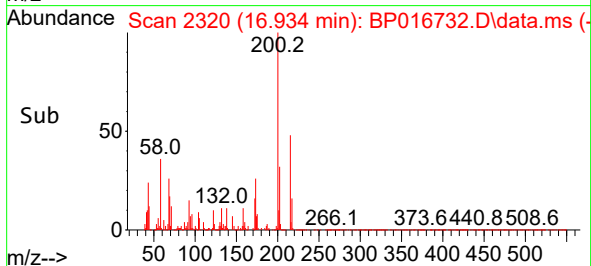
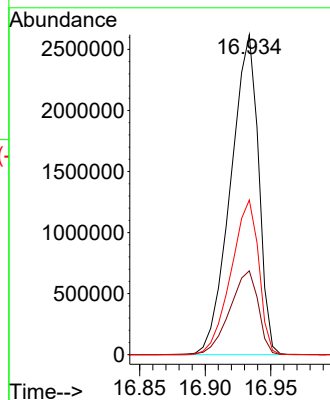
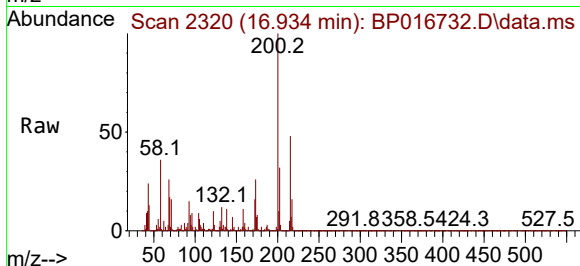
BNA_P

ClientSampleId :

SSTD160636

Tgt Ion:200 Resp: 3878164

Ion	Ratio	Lower	Upper
200	100		
173	26.2	21.4	32.2
215	48.3	37.3	55.9



#71

Pentachlorophenol

Concen: 162.191 ng/ul

RT: 17.092 min Scan# 2347

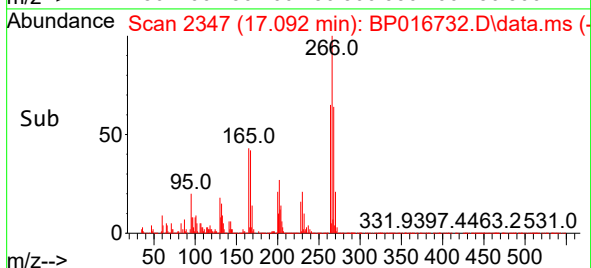
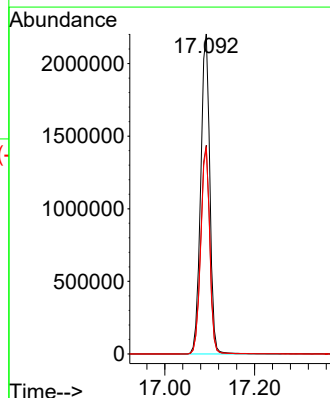
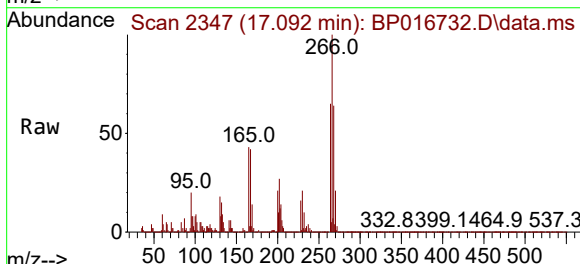
Delta R.T. 0.012 min

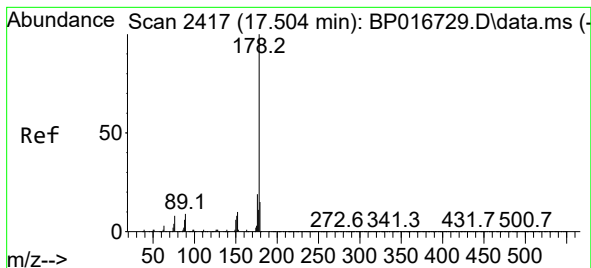
Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Tgt Ion:266 Resp: 3101524

Ion	Ratio	Lower	Upper
266	100		
264	65.2	50.7	76.1
268	64.5	50.8	76.2





#72

Phenanthrene

Concen: 126.432 ng/ul

RT: 17.510 min Scan# 2417

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

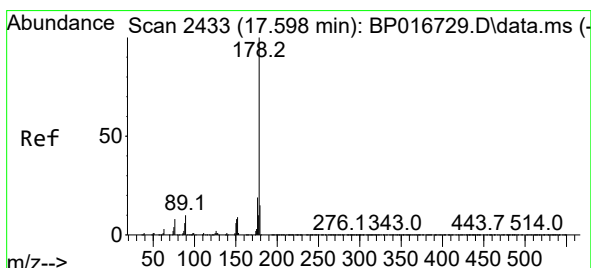
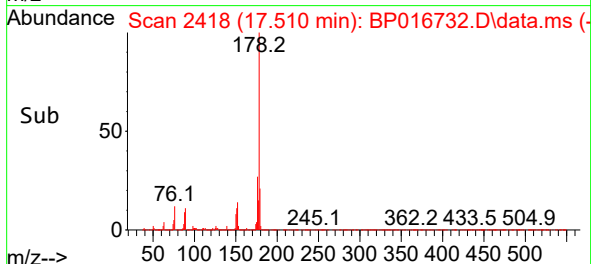
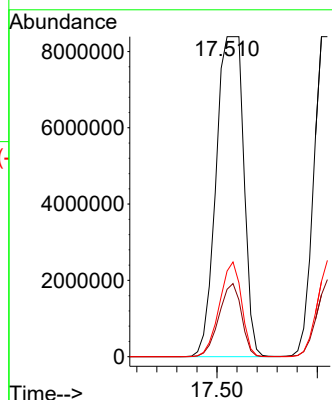
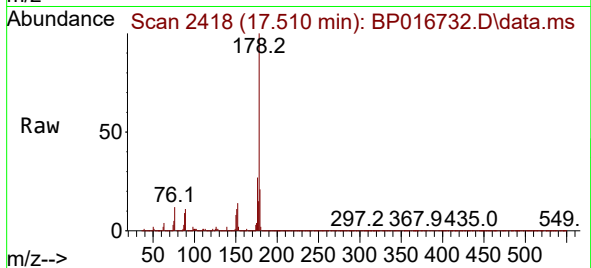
Tgt Ion:178 Resp:15972783

Ion Ratio Lower Upper

178 100

179 21.0 12.4 18.6#

176 26.8 15.6 23.4#



#74

Anthracene

Concen: 117.745 ng/ul

RT: 17.604 min Scan# 2434

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

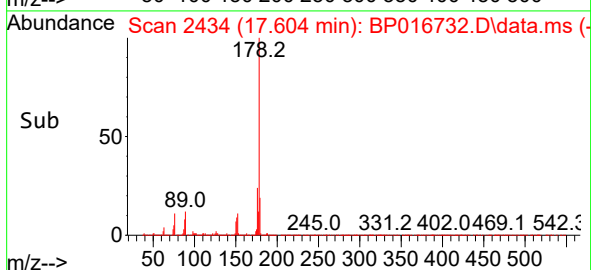
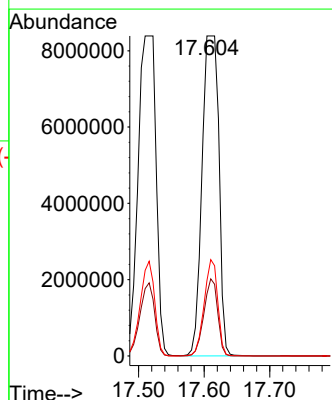
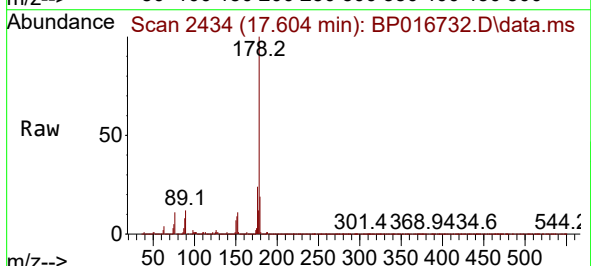
Tgt Ion:178 Resp:15040979

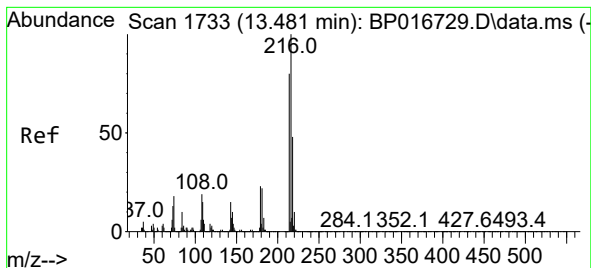
Ion Ratio Lower Upper

178 100

179 19.3 12.4 18.6#

176 23.5 15.3 22.9#





#75

1,2,3,4-Tetrachlorobenzene

Concen: 164.667 ng/uL

RT: 13.487 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

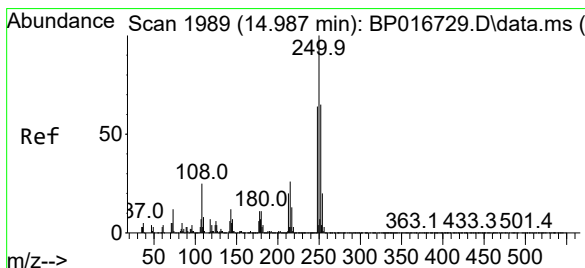
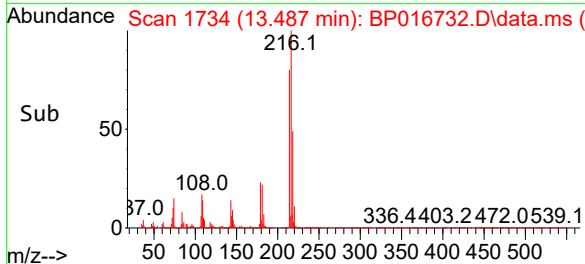
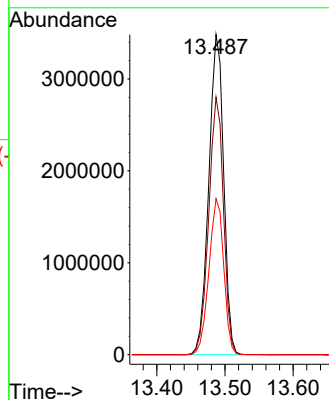
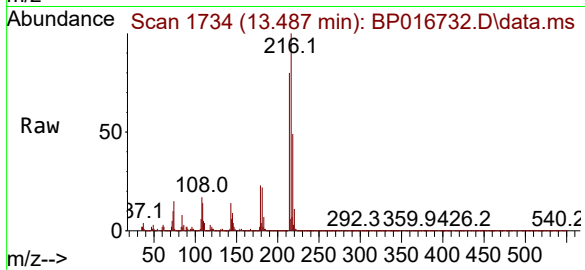
Tgt Ion:216 Resp: 5291080

Ion Ratio Lower Upper

216 100

214 80.5 64.0 96.0

218 48.7 38.2 57.2



#76

Pentachlorobenzene

Concen: 161.913 ng/uL

RT: 14.998 min Scan# 1991

Delta R.T. 0.012 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

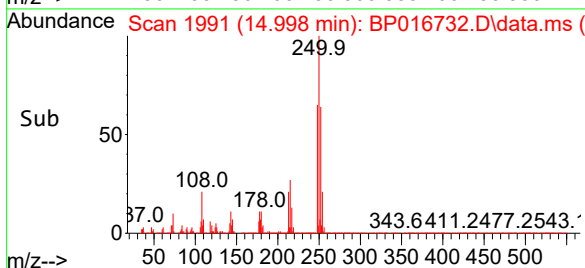
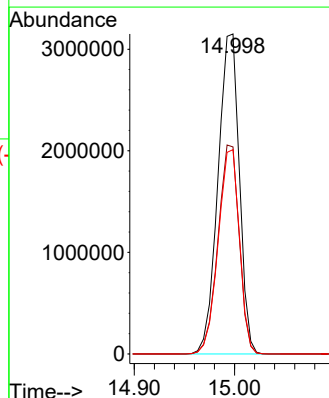
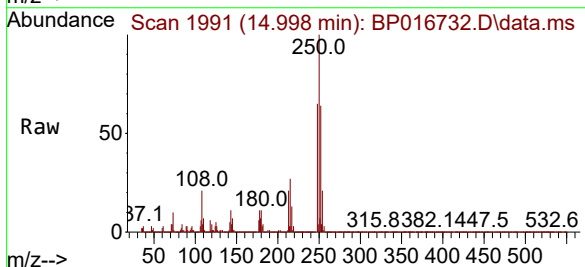
Tgt Ion:250 Resp: 4649365

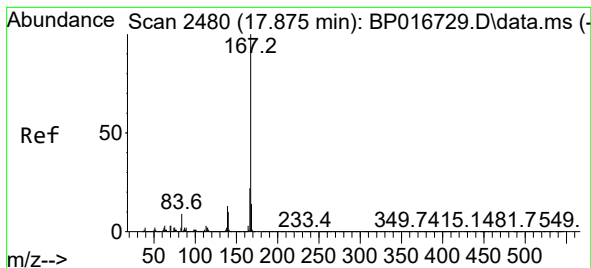
Ion Ratio Lower Upper

250 100

248 64.7 50.9 76.3

252 63.9 52.2 78.4





#77

Carbazole

Concen: 134.259 ng/ul

RT: 17.881 min Scan# 2480

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

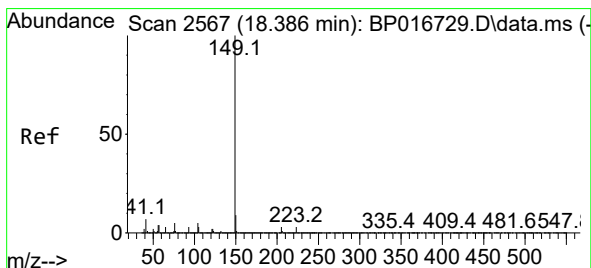
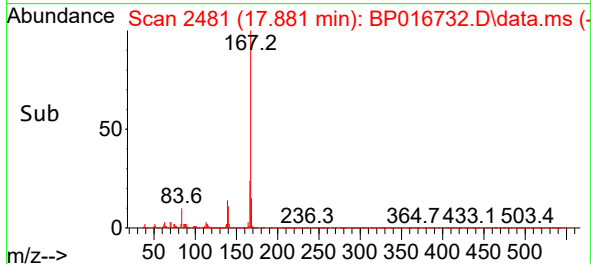
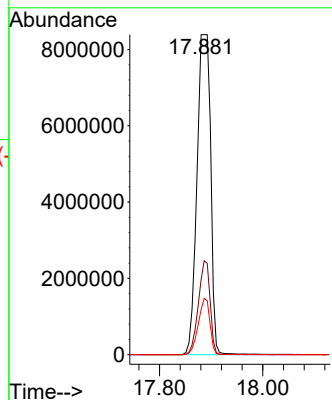
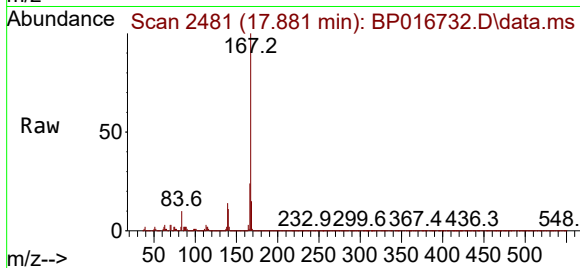
Tgt Ion:167 Resp:15446124

Ion Ratio Lower Upper

167 100

166 23.6 17.4 26.2

139 14.2 10.4 15.6



#78

Di-n-butylphthalate

Concen: 102.989 ng/ul

RT: 18.386 min Scan# 2567

Delta R.T. 0.000 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

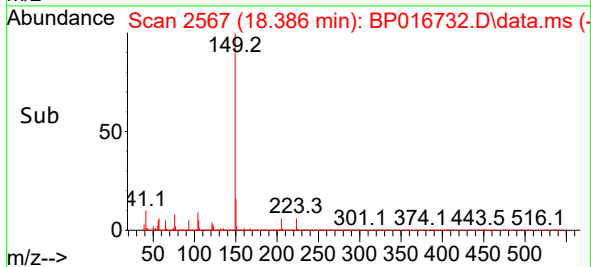
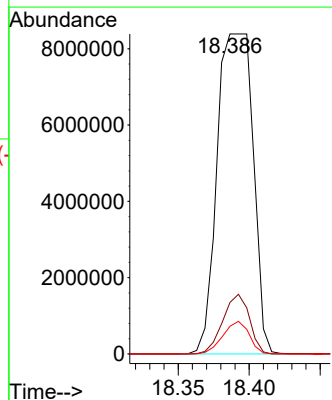
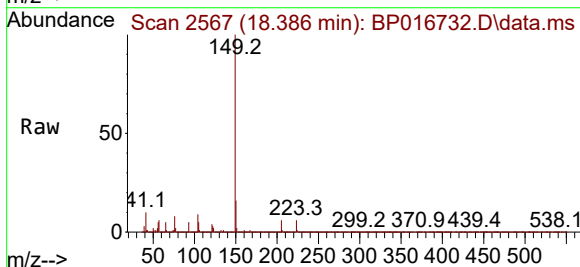
Tgt Ion:149 Resp:14782330

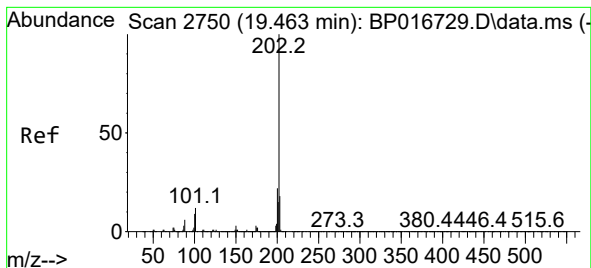
Ion Ratio Lower Upper

149 100

150 16.1 7.5 11.3#

104 8.7 4.1 6.1#





#80

Fluoranthene

Concen: 0.362 ng/ul

RT: 19.410 min Scan# 21

Delta R.T. -0.053 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

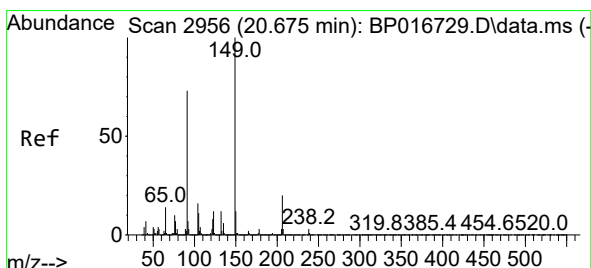
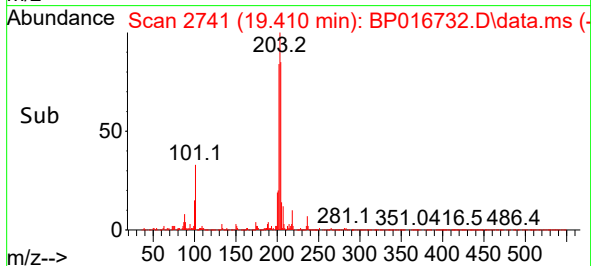
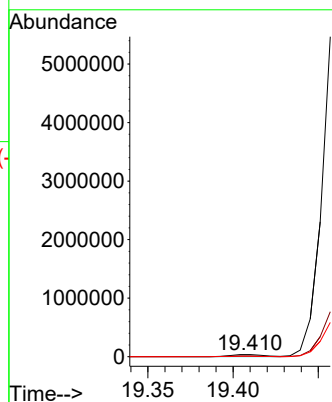
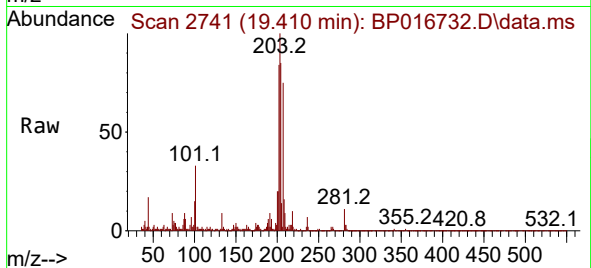
Tgt Ion:202 Resp: 48884

Ion Ratio Lower Upper

202 100

101 38.8 9.7 14.5#

100 17.8 7.4 11.2#



#83

Butylbenzylphthalate

Concen: 166.826 ng/ul

RT: 20.680 min Scan# 2957

Delta R.T. 0.006 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

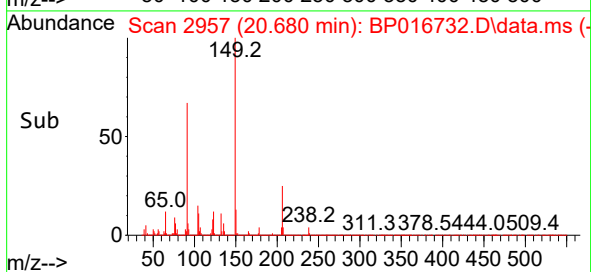
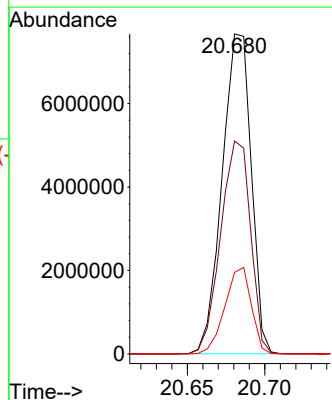
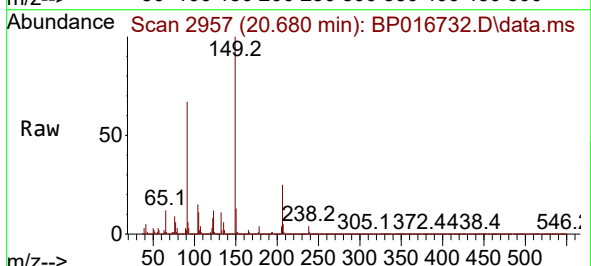
Tgt Ion:149 Resp:10022761

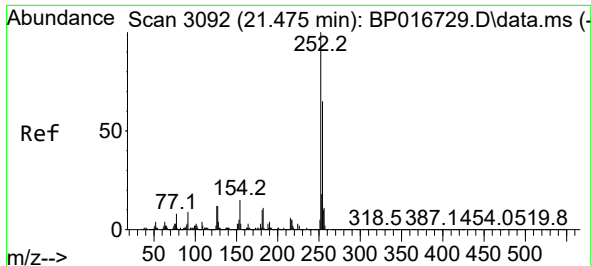
Ion Ratio Lower Upper

149 100

91 66.6 58.5 87.7

206 25.5 16.1 24.1#

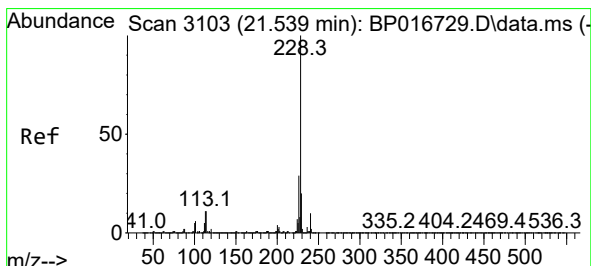
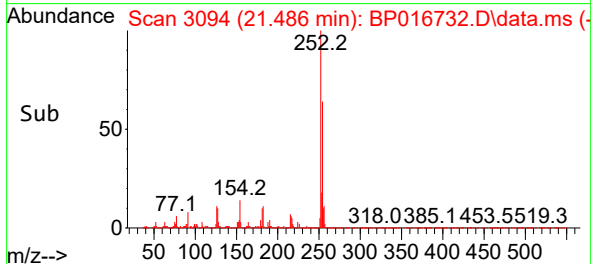
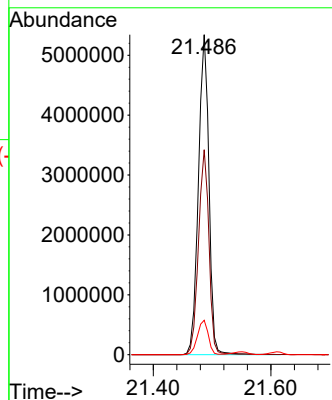
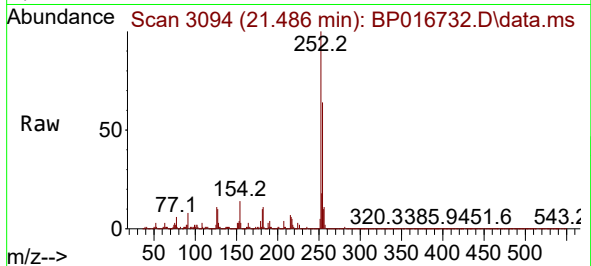




#84
3,3'-Dichlorobenzidine
Concen: 151.449 ng/ul
RT: 21.486 min Scan# 3092
Delta R.T. 0.012 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

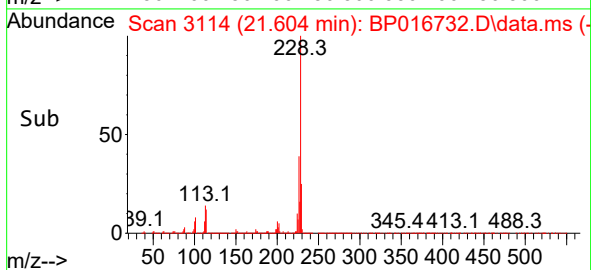
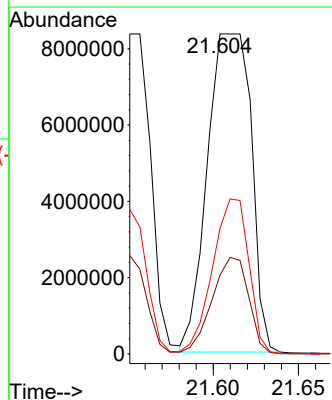
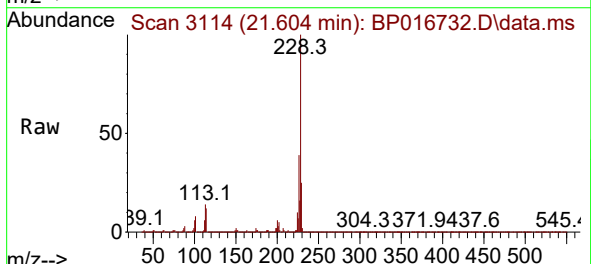
Instrument :
BNA_P
ClientSampleId :
SSTD160636

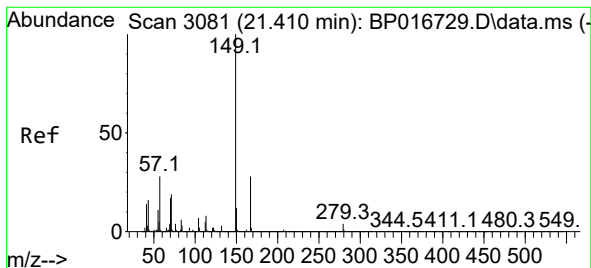
Tgt Ion:252 Resp: 6617143
Ion Ratio Lower Upper
252 100
254 64.1 52.1 78.1
126 10.7 9.6 14.4



#85
Benzo(a)anthracene
Concen: 106.282 ng/ul
RT: 21.604 min Scan# 3114
Delta R.T. 0.065 min
Lab File: BP016732.D
Acq: 24 Aug 2023 17:21

Tgt Ion:228 Resp:14964641
Ion Ratio Lower Upper
228 100
229 24.7 16.2 24.4#
226 39.3 22.9 34.3#

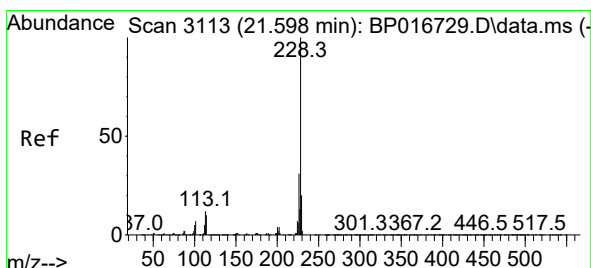
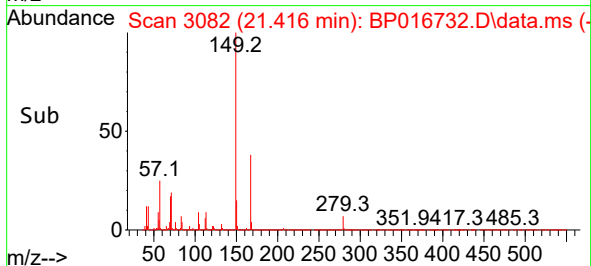
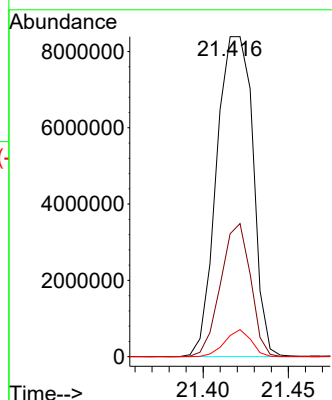
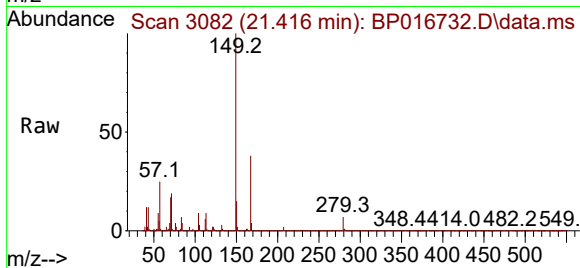




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 141.448 ng/ul
 RT: 21.416 min Scan# 3082
 Delta R.T. 0.006 min
 Lab File: BP016732.D
 Acq: 24 Aug 2023 17:21

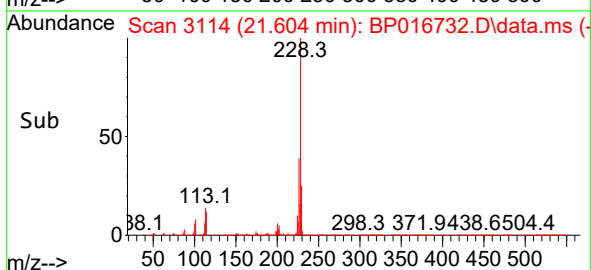
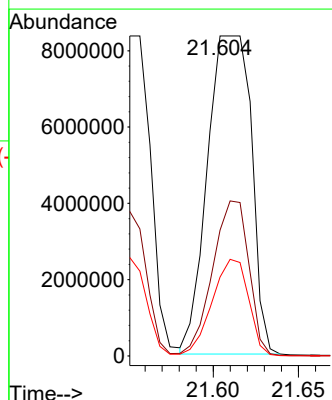
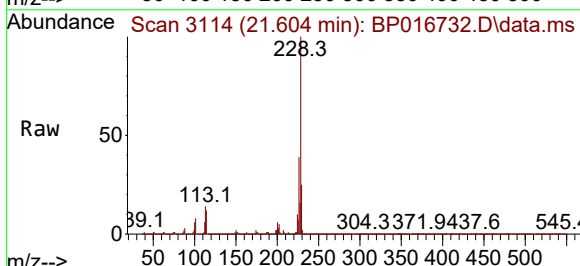
Instrument :
 BNA_P
 ClientSampleId :
 SSTD160636

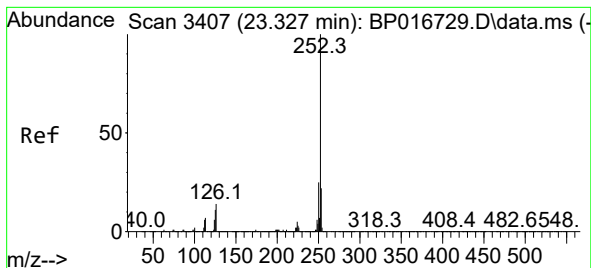
Tgt Ion:149 Resp:12408467
 Ion Ratio Lower Upper
 149 100
 167 38.4 22.1 33.1#
 279 6.6 3.0 4.4#



#87
 Chrysene
 Concen: 117.003 ng/ul
 RT: 21.604 min Scan# 3114
 Delta R.T. 0.006 min
 Lab File: BP016732.D
 Acq: 24 Aug 2023 17:21

Tgt Ion:228 Resp:14964641
 Ion Ratio Lower Upper
 228 100
 226 39.3 25.0 37.4#
 229 24.7 16.0 24.0#





#90

Benzo(b)fluoranthene

Concen: 168.172 ng/ul

RT: 23.351 min Scan# 3407

Delta R.T. 0.024 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

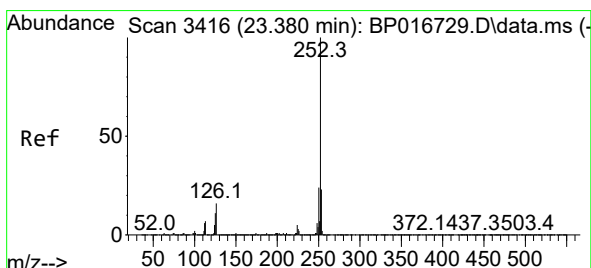
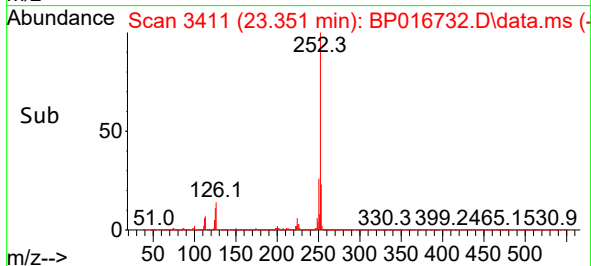
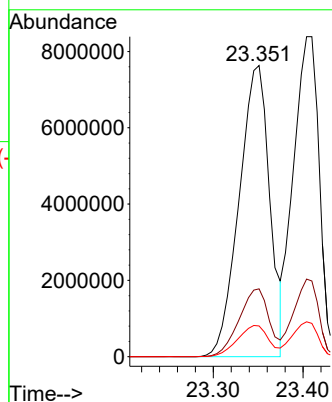
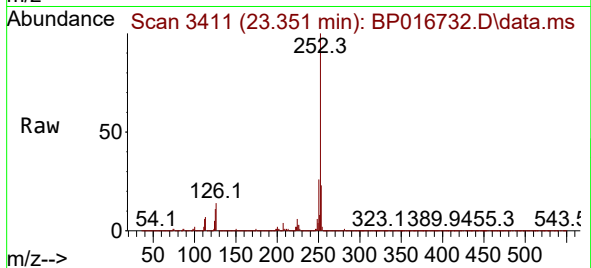
Tgt Ion:252 Resp:18096483

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 10.5 9.0 13.4



#91

Benzo(k)fluoranthene

Concen: 157.458 ng/ul

RT: 23.404 min Scan# 3420

Delta R.T. 0.024 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

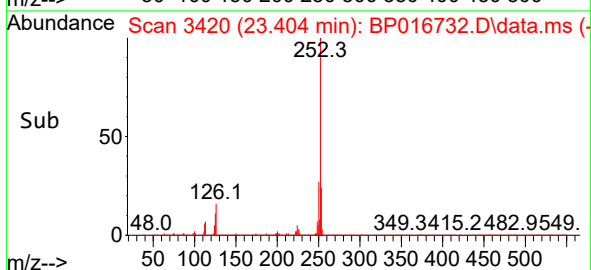
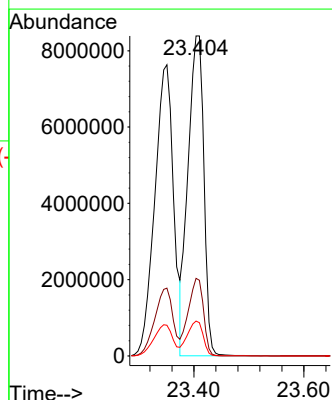
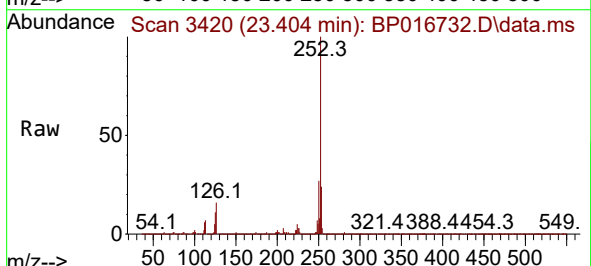
Tgt Ion:252 Resp:16757088

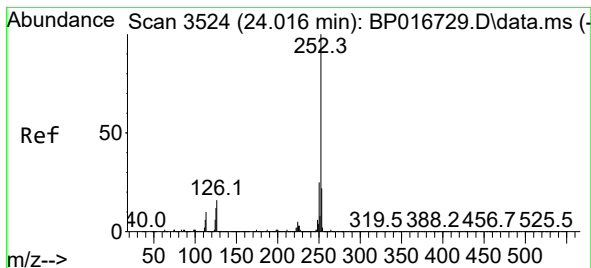
Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

125 10.9 8.9 13.3





#93

Benzo(a)pyrene

Concen: 162.343 ng/ul

RT: 24.045 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

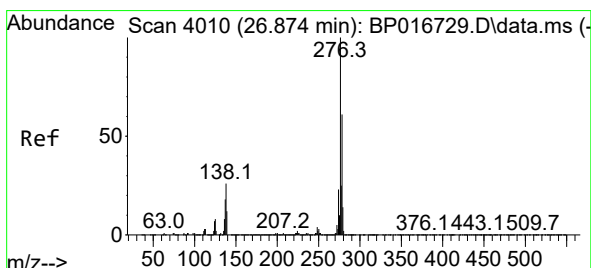
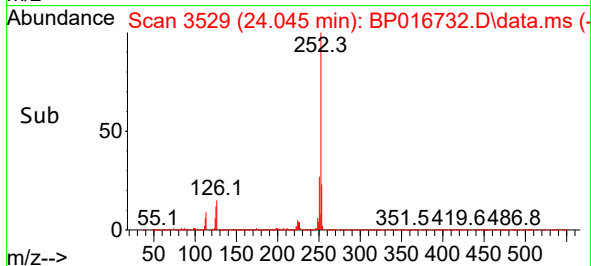
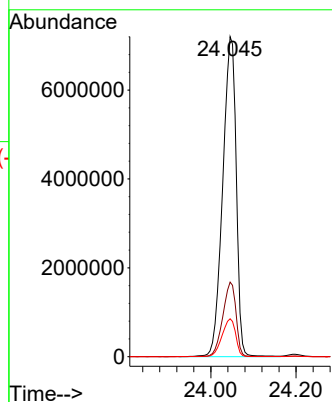
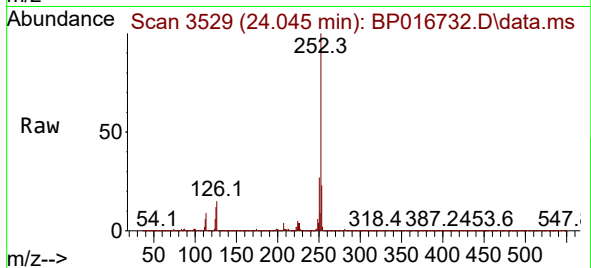
Tgt Ion:252 Resp:15801444

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 11.8 9.9 14.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 181.283 ng/ul

RT: 26.915 min Scan# 4017

Delta R.T. 0.041 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

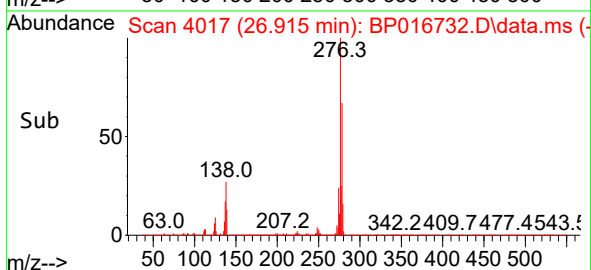
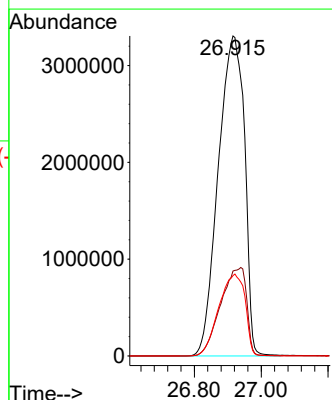
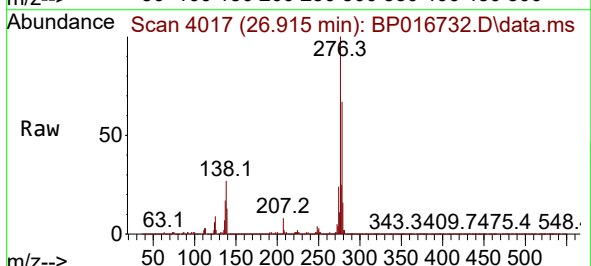
Tgt Ion:276 Resp:18030535

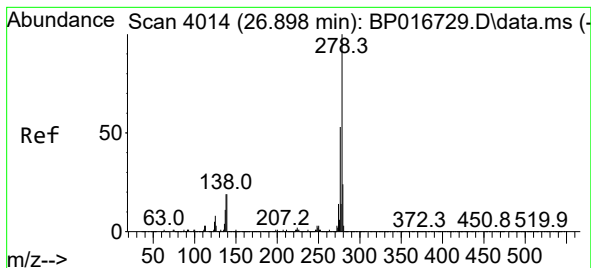
Ion Ratio Lower Upper

276 100

138 26.5 20.9 31.3

277 25.1 19.8 29.6





#95

Dibenzo(a,h)anthracene

Concen: 176.625 ng/ul

RT: 26.945 min Scan# 4014

Delta R.T. 0.047 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Instrument :

BNA_P

ClientSampleId :

SSTD160636

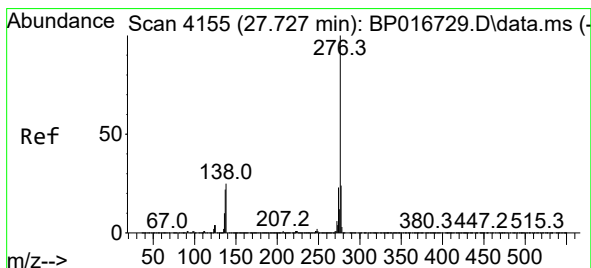
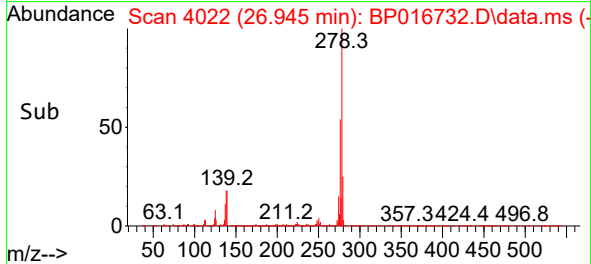
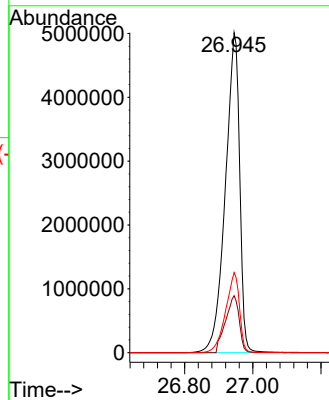
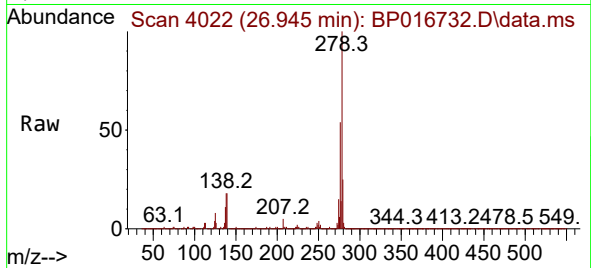
Tgt Ion:278 Resp:14591012

Ion Ratio Lower Upper

278 100

139 17.8 15.0 22.6

279 25.0 19.4 29.2



#96

Benzo(g,h,i)perylene

Concen: 188.259 ng/ul

RT: 27.780 min Scan# 4164

Delta R.T. 0.053 min

Lab File: BP016732.D

Acq: 24 Aug 2023 17:21

Tgt Ion:276 Resp:14195738

Ion Ratio Lower Upper

276 100

138 23.8 20.2 30.4

277 24.5 19.3 28.9

