

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080723\
 Data File : BP016511.D
 Acq On : 07 Aug 2023 11:01
 Operator : MA/JU
 Sample : 03805-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 X3H47

Quant Time: Aug 07 12:26:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP080423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 04 15:15:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.069	152	427114	20.000	ng/u1	0.00
20) Naphthalene-d8	10.904	136	1620559	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.716	164	860346	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.481	188	1731563	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	1473985	20.000	ng/u1	0.00
88) Perylene-d12	24.174	264	1643355	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	81392	6.911	ng/uL	0.00
4) Pyridine-d5	3.840	84	1023504	33.448	ng/u1	0.00
7) Phenol-d5	7.205	99	1286452	38.514	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.405	67	765187	37.187	ng/u1	0.00
11) 2-Chlorophenol-d4	7.587	132	986421	36.565	ng/u1	0.00
15) 4-Methylphenol-d8	8.769	113	912086	35.412	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	459022	39.155	ng/u1	0.00
24) 2-Nitrophenol-d4	9.981	143	452775	41.399	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.510	165	833305	37.445	ng/u1	0.00
31) 4-Chloroaniline-d4	11.051	131	1143824	34.864	ng/u1	0.00
46) Dimethylphthalate-d6	14.128	166	2289497	38.483	ng/u1	0.00
49) Acenaphthylene-d8	14.416	160	2750335	38.391	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	362267	32.339	ng/u1	0.00
60) Fluorene-d10	15.710	176	2022865	39.597	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.828	200	219319	28.768	ng/u1	0.00
73) Anthracene-d10	17.581	188	2924311	39.118	ng/u1	0.00
81) Pyrene-d10	19.816	212	3356568	41.533	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.004	264	3310902	42.074	ng/u1	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.499	93	2235739	77.277	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.881	70	580179	30.889	ng/u1	99
19) Hexachloroethane	9.146	117	711513	59.662	ng/u1	97
22) Nitrobenzene	9.310	77	2018990	68.332	ng/u1	97
23) Isophorone	9.828	82	7560798	147.260	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.316	93	5045814	144.722	ng/u1	99
30) Naphthalene	10.957	128	8857845	105.486	ng/u1	99
33) Hexachlorobutadiene	11.187	225	2057617	134.681	ng/u1	98
36) 2-Methylnaphthalene	12.551	142	3303802	62.187	ng/u1	100
40) Hexachlorocyclopentadiene	12.851	237	1346794	84.019	ng/u1	100
44) 2-Chloronaphthalene	13.604	162	4599362	86.925	ng/u1	99
47) Dimethylphthalate	14.175	163	2920644	48.485	ng/u1	100
48) 2,6-Dinitrotoluene	14.310	165	211470	19.962	ng/u1	99
50) Acenaphthylene	14.445	152	3225297	38.753	ng/u1	100
59) Diethylphthalate	15.528	149	3165490	54.764	ng/u1	100
61) Fluorene	15.769	166	2080830	35.488	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.763	204	4234874	146.725	ng/u1	96
68) 4-Bromophenyl-phenylether	16.663	248	1510935	88.937	ng/u1	99
69) Hexachlorobenzene	16.745	284	1579087	79.281	ng/u1	99
72) Phenanthrene	17.528	178	3524116	39.030	ng/u1	99
74) Anthracene	17.616	178	4145283	45.681	ng/u1	99
78) Di-n-butylphthalate	18.410	149	5840369	64.047	ng/u1	100
87) Chrysene	21.616	228	3723895	40.432	ng/u1	99
89) Di-n-octyl phthalate	22.433	149	2877580	31.445	ng/u1	100

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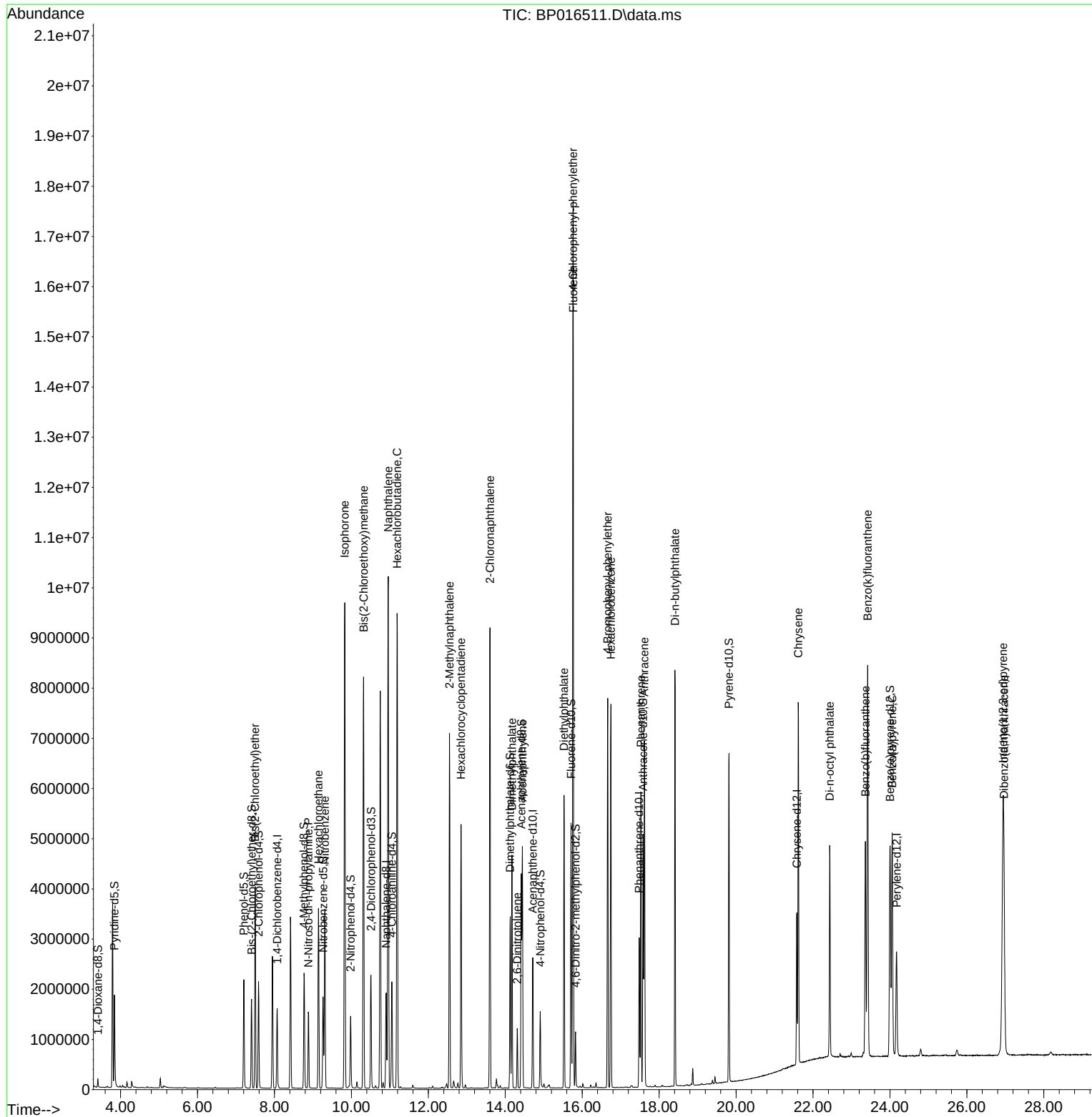
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	23.363	252	3188030	32.874	ng/ul	100
91) Benzo(k)fluoranthene	23.421	252	6070399	62.206	ng/ul	98
93) Benzo(a)pyrene	24.057	252	3657978	39.772	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.939	276	6173981	54.345	ng/ul	99
95) Dibenzo(a,h)anthracene	26.962	278	2623025	27.660	ng/ul	99

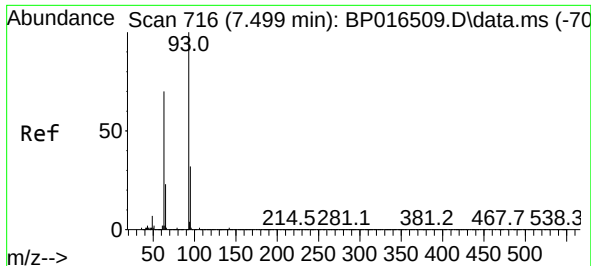
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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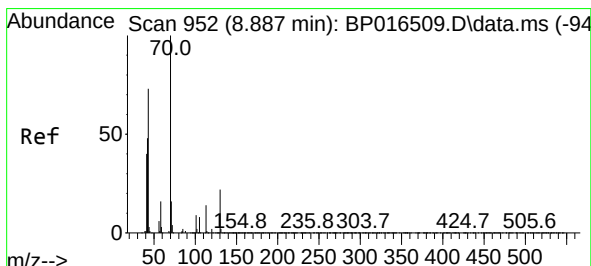
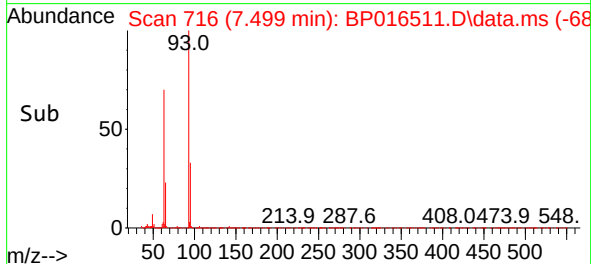
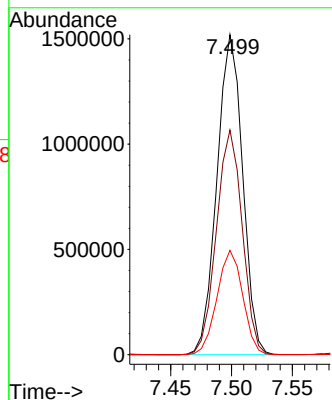
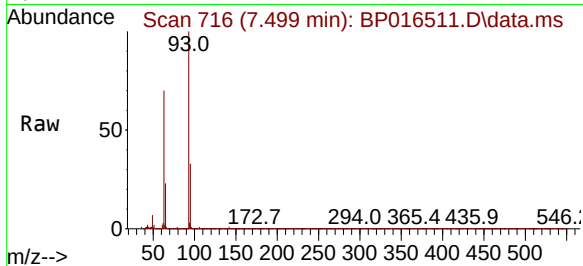


#10
 Bis(2-Chloroethyl)ether
 Concen: 77.277 ng/ul
 RT: 7.499 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: BP016511.D
 Acq: 07 Aug 2023 11:01

Instrument :
 BNA_P
 ClientSampleId :
 X3H47

Tgt Ion: 93 Resp: 2235739

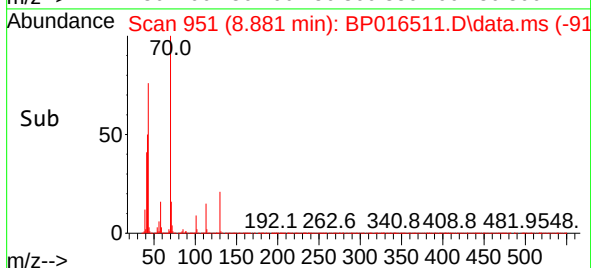
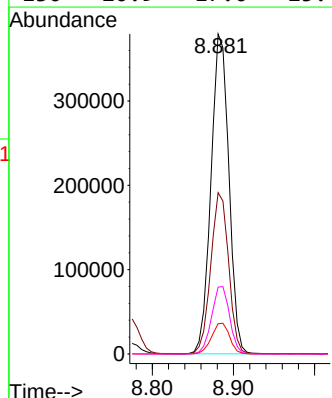
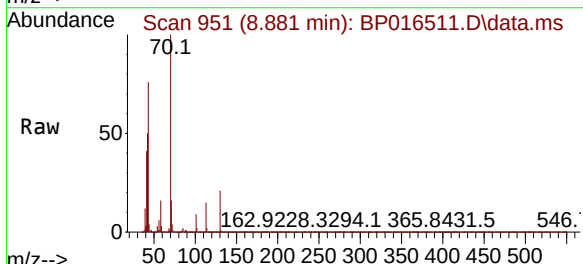
Ion	Ratio	Lower	Upper
93	100		
63	70.2	57.0	85.4
95	32.6	26.2	39.2

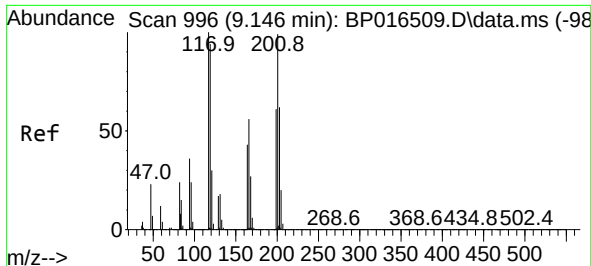


#17
 N-Nitroso-di-n-propylamine
 Concen: 30.889 ng/ul
 RT: 8.881 min Scan# 951
 Delta R.T. -0.006 min
 Lab File: BP016511.D
 Acq: 07 Aug 2023 11:01

Tgt Ion: 70 Resp: 580179

Ion	Ratio	Lower	Upper
70	100		
42	50.4	39.9	59.9
101	9.4	7.5	11.3
130	20.9	17.0	25.4

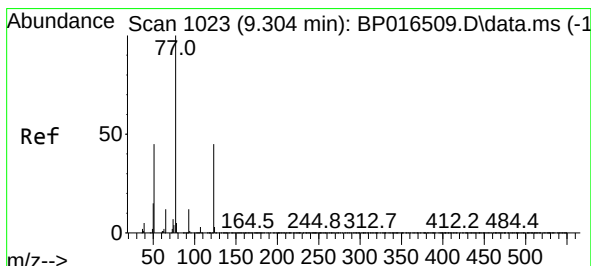
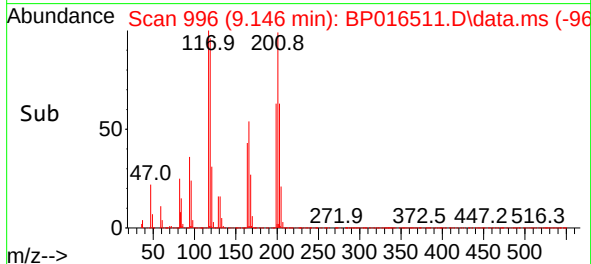
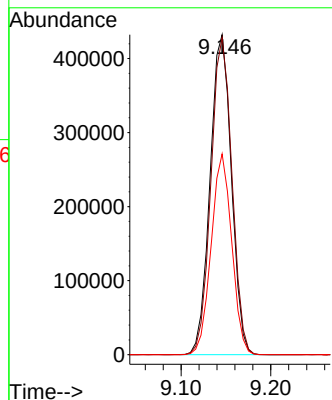
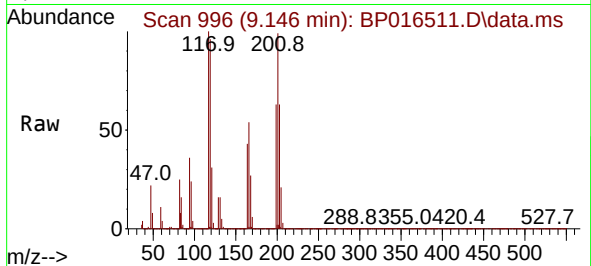




#19
Hexachloroethane
Concen: 59.662 ng/ul
RT: 9.146 min Scan# 996
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

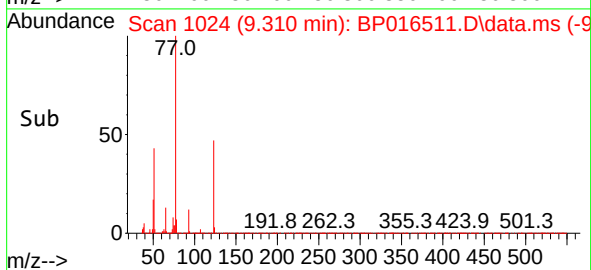
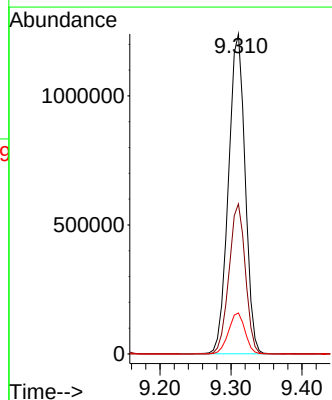
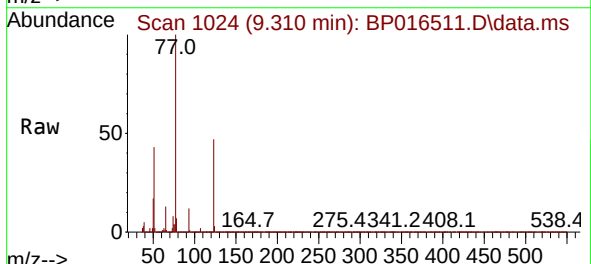
Instrument :
BNA_P
ClientSampleId :
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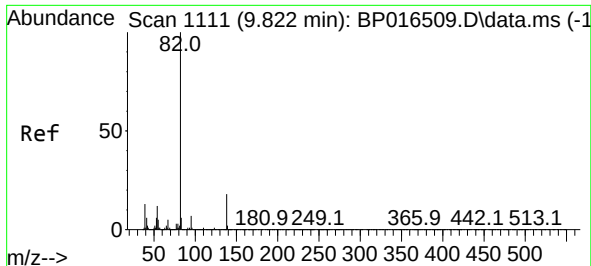
Tgt Ion:117 Resp: 711513
Ion Ratio Lower Upper
117 100
201 99.1 77.6 116.4
199 62.7 48.2 72.2



#22
Nitrobenzene
Concen: 68.332 ng/ul
RT: 9.310 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

Tgt Ion: 77 Resp: 2018990
Ion Ratio Lower Upper
77 100
123 46.9 35.3 52.9
65 12.8 10.2 15.4

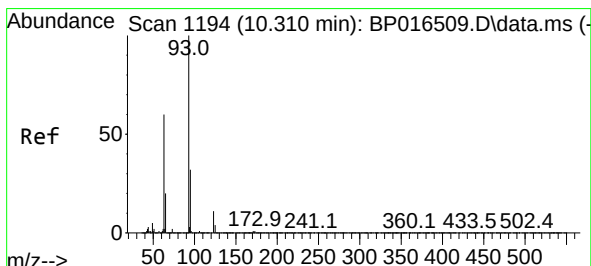
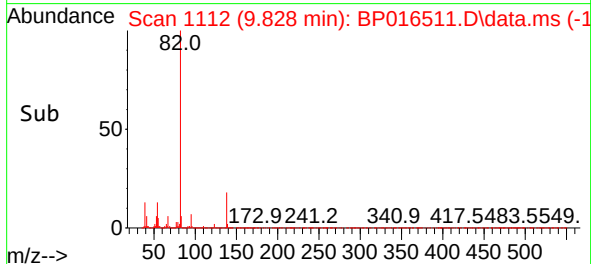
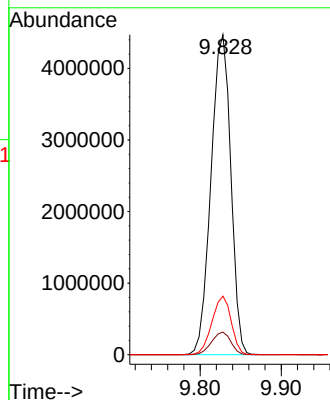
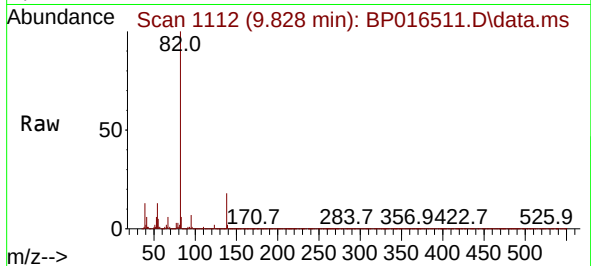




#23
Isophorone
Concen: 147.260 ng/ul
RT: 9.828 min Scan# 1111
Delta R.T. 0.006 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

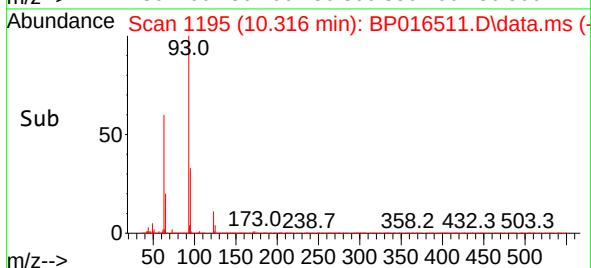
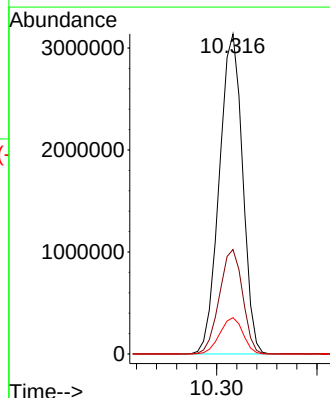
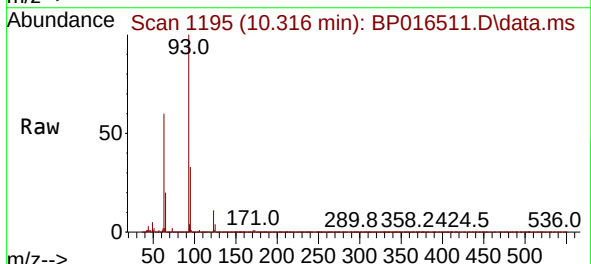
Instrument :
BNA_P
ClientSampleId :
X3H47

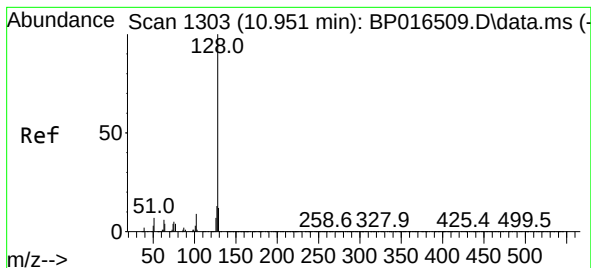
Tgt Ion: 82 Resp: 7560798
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 18.3 13.5 20.3



#27
Bis(2-Chloroethoxy)methane
Concen: 144.722 ng/ul
RT: 10.316 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

Tgt Ion: 93 Resp: 5045814
Ion Ratio Lower Upper
93 100
95 32.7 26.5 39.7
123 11.3 8.8 13.2





#30

Naphthalene

Concen: 105.486 ng/ul

RT: 10.957 min Scan# 1304

Delta R.T. 0.006 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

Instrument :

BNA_P

ClientSampleId :

X3H47

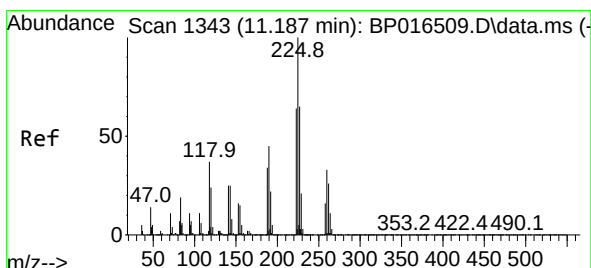
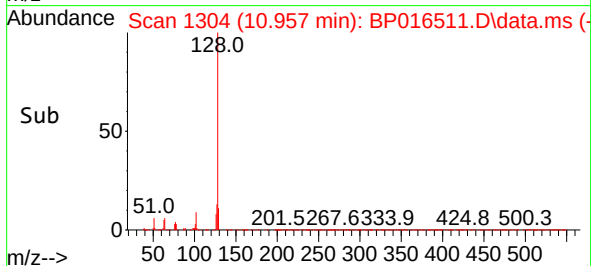
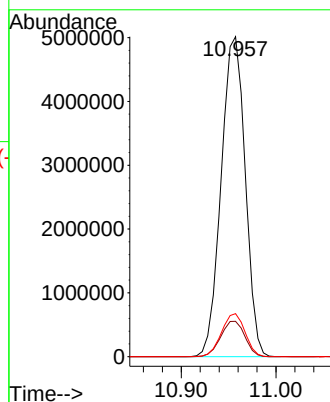
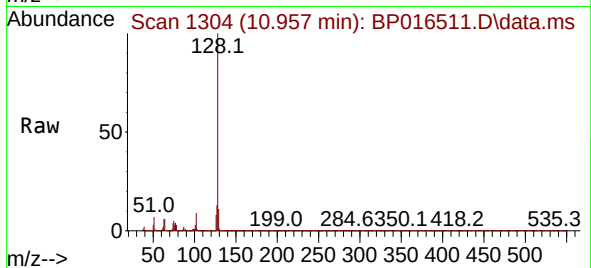
Tgt Ion:128 Resp: 8857845

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.5 10.3 15.5



#33

Hexachlorobutadiene

Concen: 134.681 ng/ul

RT: 11.187 min Scan# 1343

Delta R.T. 0.000 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

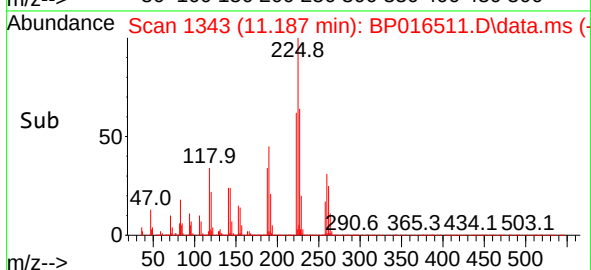
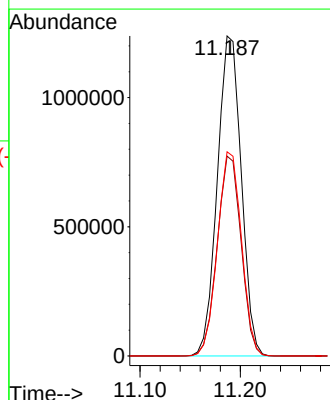
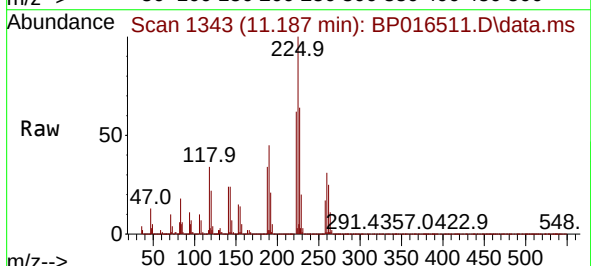
Tgt Ion:225 Resp: 2057617

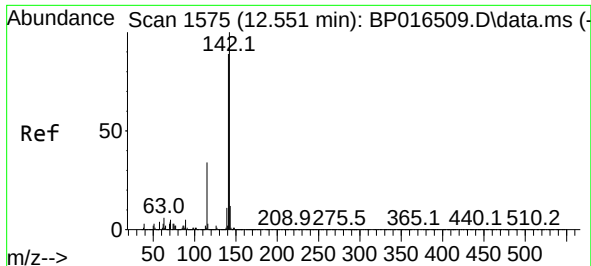
Ion Ratio Lower Upper

225 100

223 62.5 51.4 77.2

227 63.8 50.4 75.6

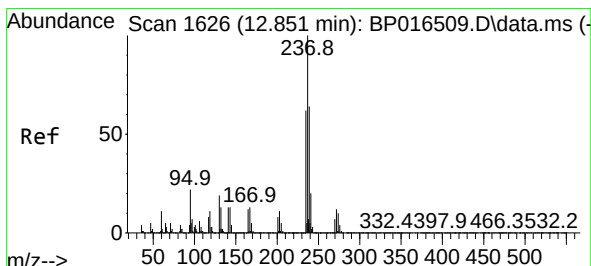
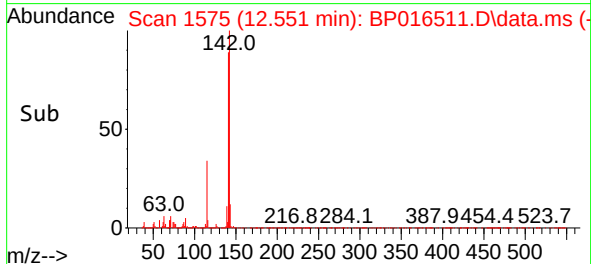
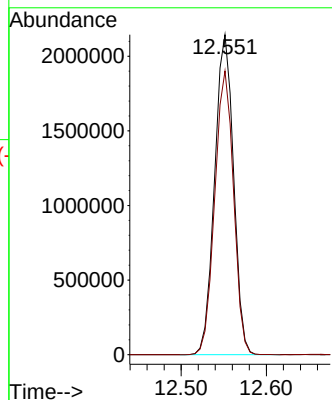
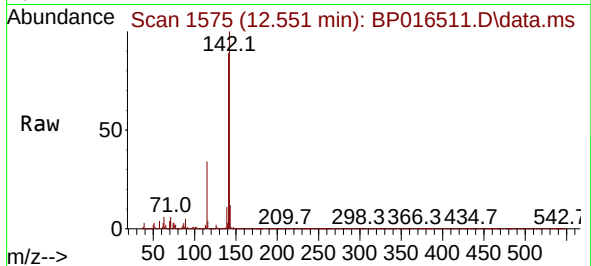




#36
2-Methylnaphthalene
Concen: 62.187 ng/ul
RT: 12.551 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

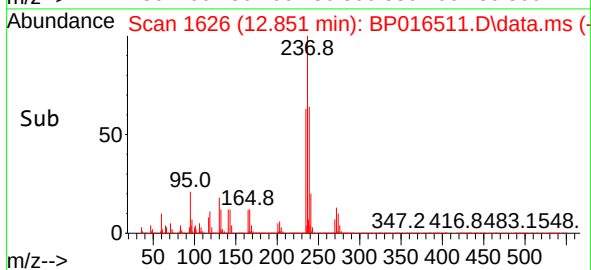
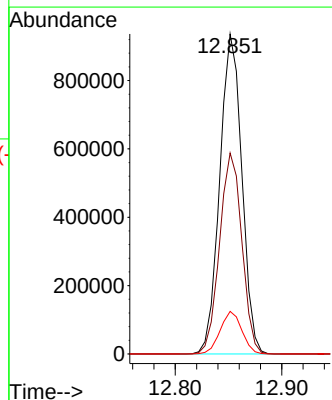
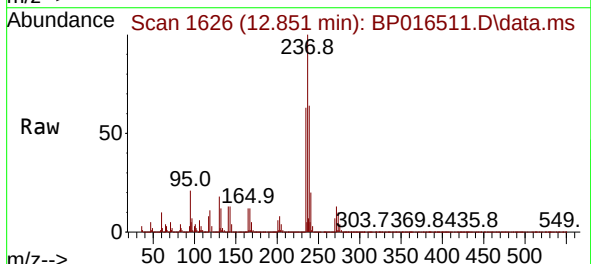
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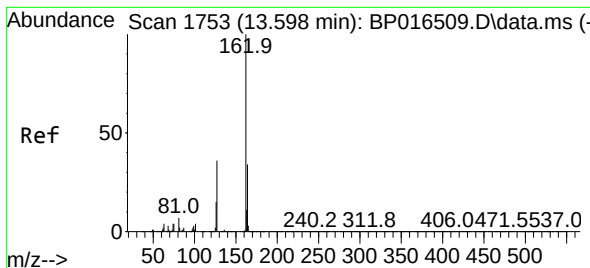
Tgt Ion:142 Resp: 3303802
Ion Ratio Lower Upper
142 100
141 88.6 70.9 106.3



#40
Hexachlorocyclopentadiene
Concen: 84.019 ng/ul
RT: 12.851 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

Tgt Ion:237 Resp: 1346794
Ion Ratio Lower Upper
237 100
235 62.8 50.3 75.5
272 13.3 10.2 15.4





#44

2-Chloronaphthalene

Concen: 86.925 ng/ul

RT: 13.604 min Scan# 1754

Delta R.T. 0.006 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

Instrument :

BNA_P

ClientSampleId :

X3H47

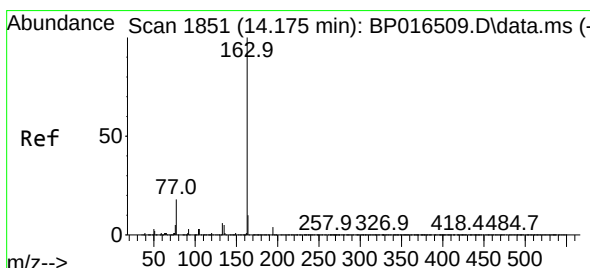
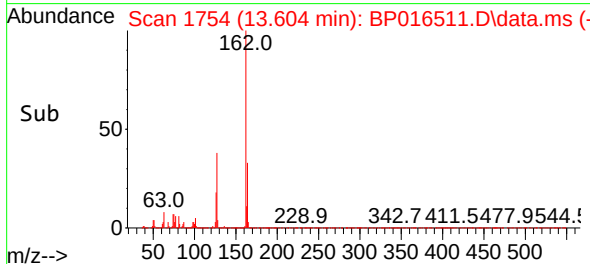
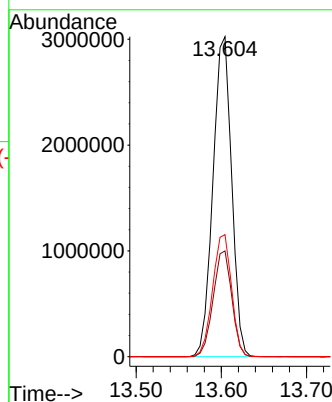
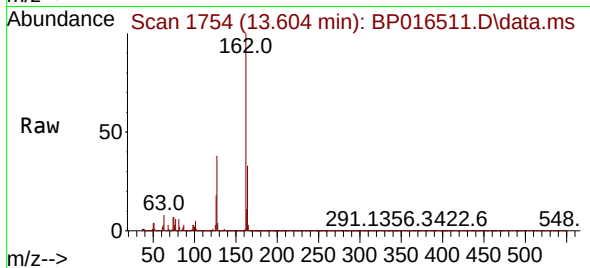
Tgt Ion:162 Resp: 4599362

Ion Ratio Lower Upper

162 100

164 33.1 26.6 39.8

127 38.1 31.1 46.7



#47

Dimethylphthalate

Concen: 48.485 ng/ul

RT: 14.175 min Scan# 1851

Delta R.T. 0.000 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

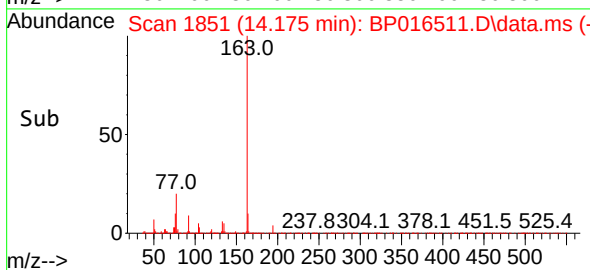
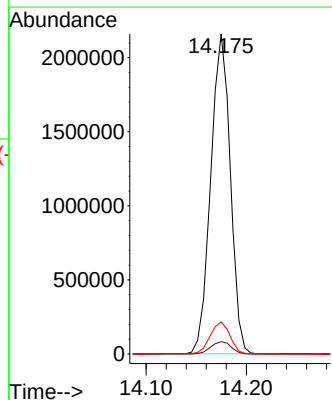
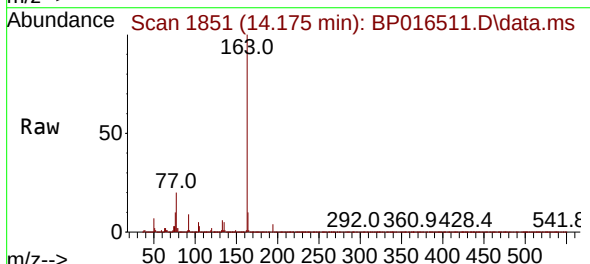
Tgt Ion:163 Resp: 2920644

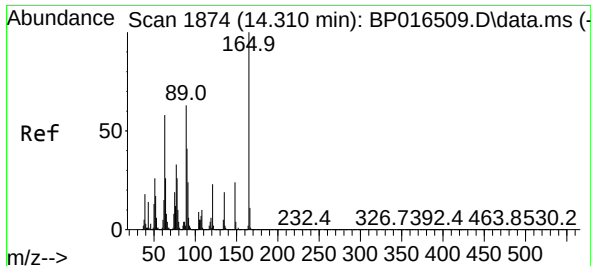
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.1 8.0 12.0

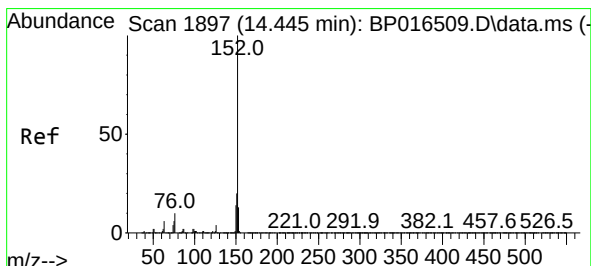
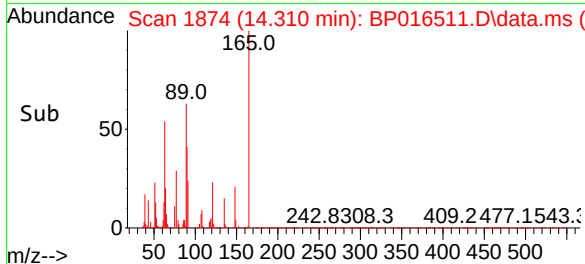
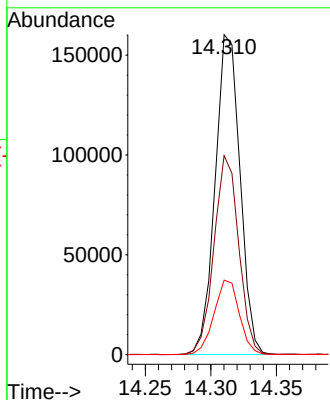
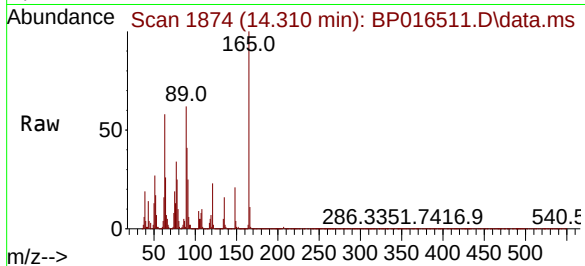




#48
2,6-Dinitrotoluene
Concen: 19.962 ng/ul
RT: 14.310 min Scan# 1874
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

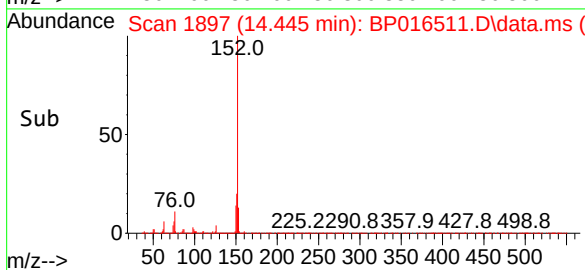
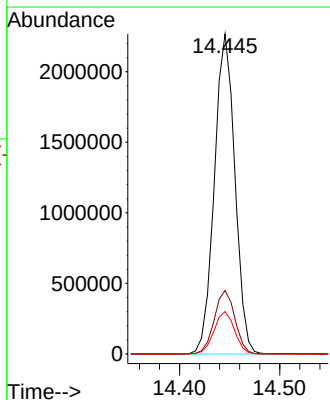
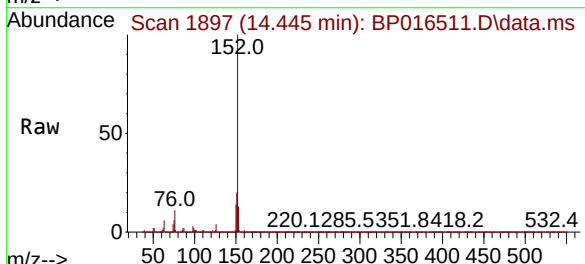
Instrument :
BNA_P
ClientSampleId :
X3H47

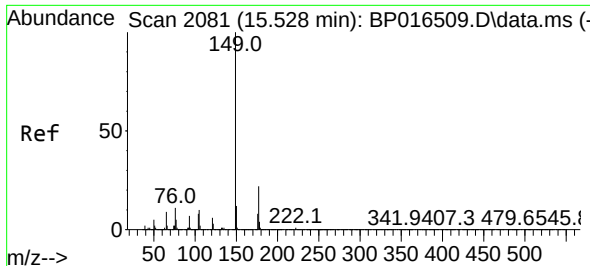
Tgt Ion:165 Resp: 211470
Ion Ratio Lower Upper
165 100
89 62.2 50.1 75.1
121 23.3 17.9 26.9



#50
Acenaphthylene
Concen: 38.753 ng/ul
RT: 14.445 min Scan# 1897
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

Tgt Ion:152 Resp: 3225297
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 13.3 10.7 16.1

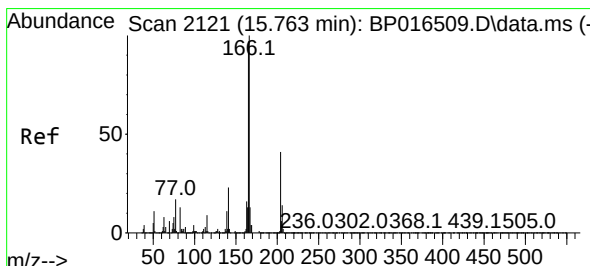
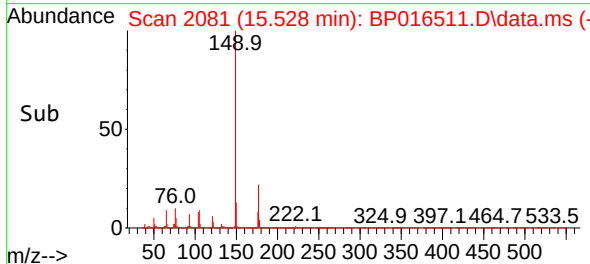
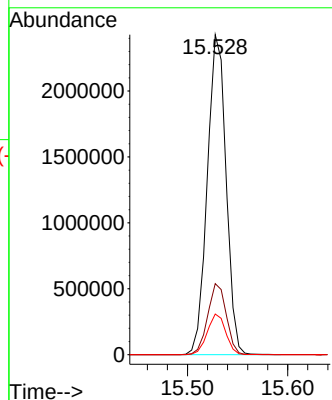
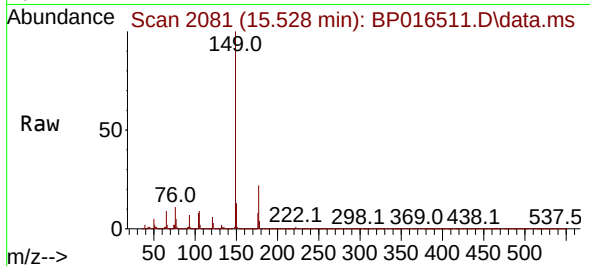




#59
Diethylphthalate
Concen: 54.764 ng/ul
RT: 15.528 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

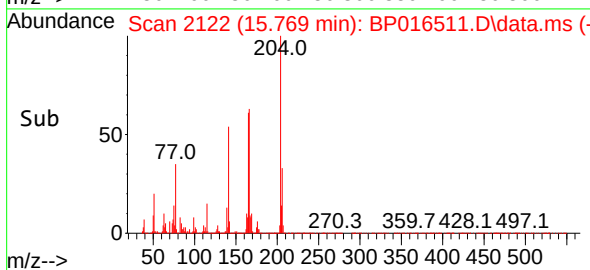
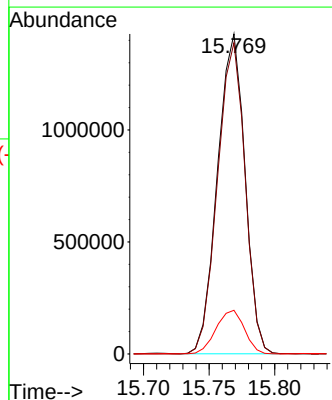
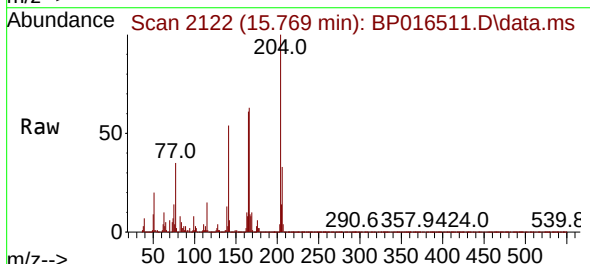
Instrument :
BNA_P
ClientSampleId :
X3H47

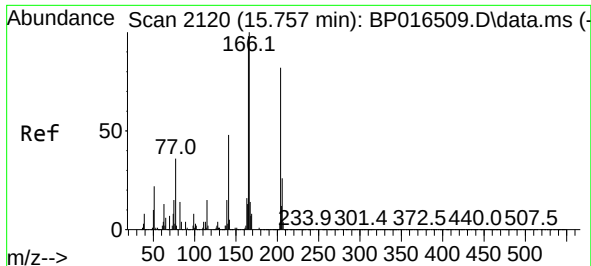
Tgt Ion:149 Resp: 3165490
Ion Ratio Lower Upper
149 100
177 22.2 17.7 26.5
150 12.7 10.0 15.0



#61
Fluorene
Concen: 35.488 ng/ul
RT: 15.769 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

Tgt Ion:166 Resp: 2080830
Ion Ratio Lower Upper
166 100
165 97.2 78.5 117.7
167 13.7 10.4 15.6

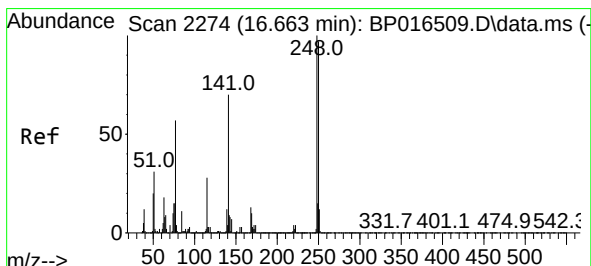
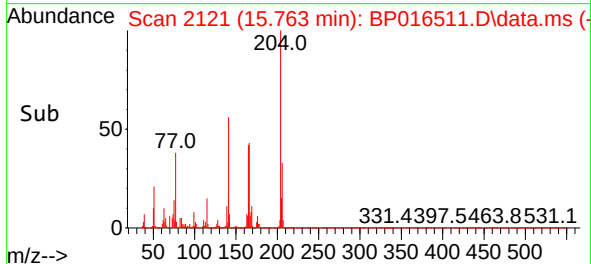
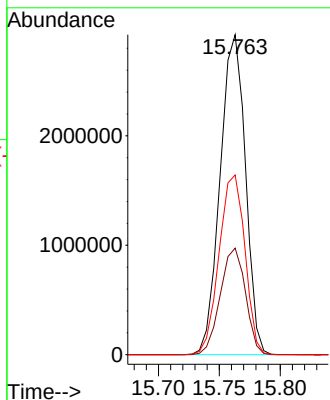
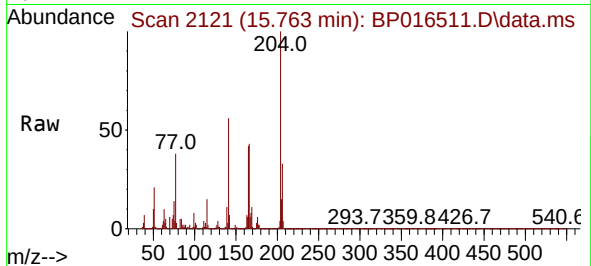




#62
4-Chlorophenyl-phenylether
Concen: 146.725 ng/ul
RT: 15.763 min Scan# 2121
Delta R.T. 0.006 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

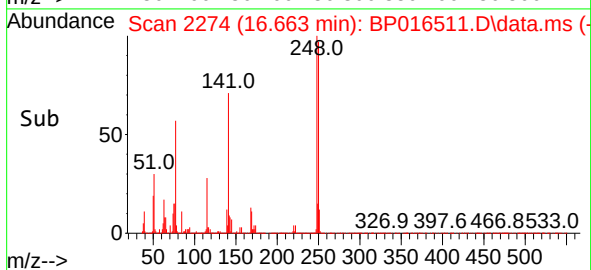
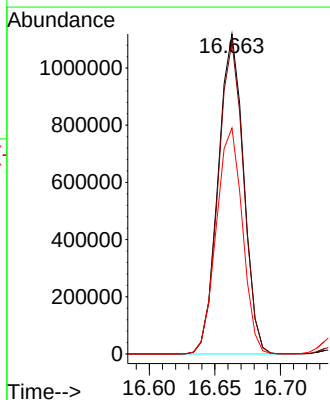
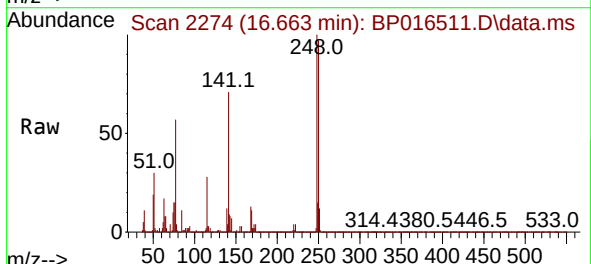
Instrument :
BNA_P
ClientSampleId :
X3H47

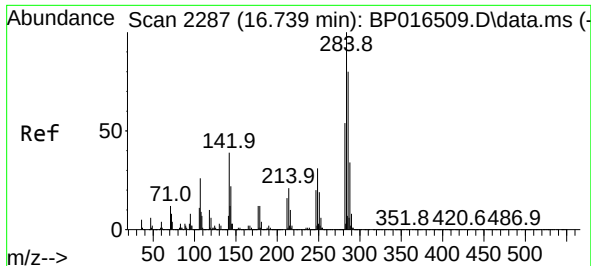
Tgt Ion:204 Resp: 4234874
Ion Ratio Lower Upper
204 100
206 33.3 26.1 39.1
141 56.1 48.6 72.8



#68
4-Bromophenyl-phenylether
Concen: 88.937 ng/ul
RT: 16.663 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

Tgt Ion:248 Resp: 1510935
Ion Ratio Lower Upper
248 100
250 97.5 78.1 117.1
141 70.6 57.5 86.3

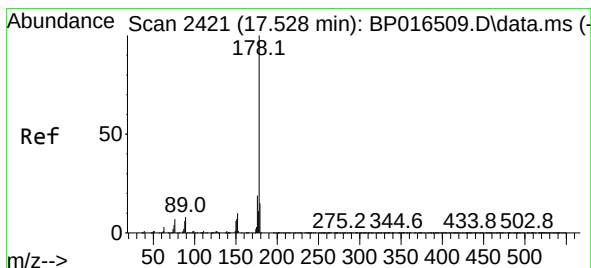
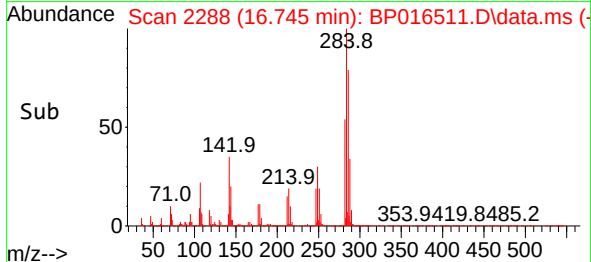
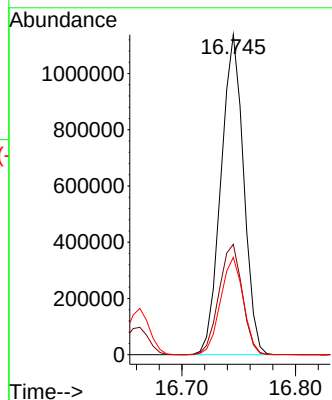
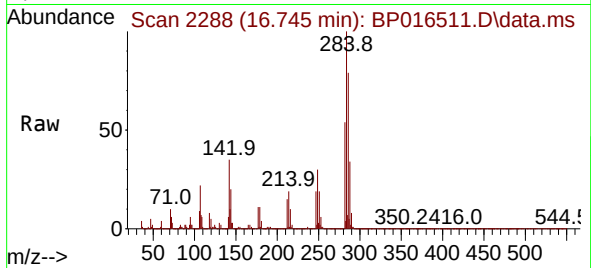




#69
Hexachlorobenzene
Concen: 79.281 ng/ul
RT: 16.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

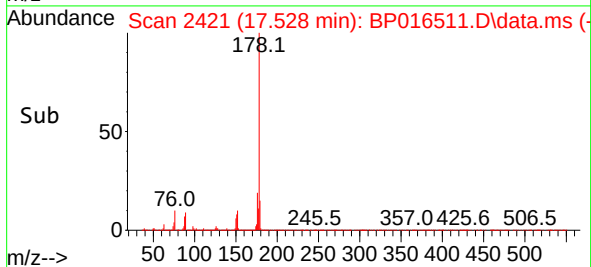
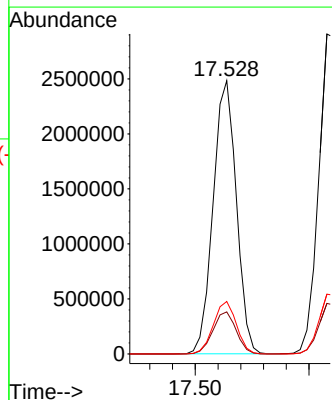
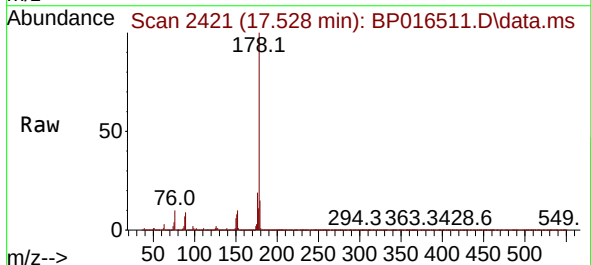
Instrument :
BNA_P
ClientSampleId :
X3H47

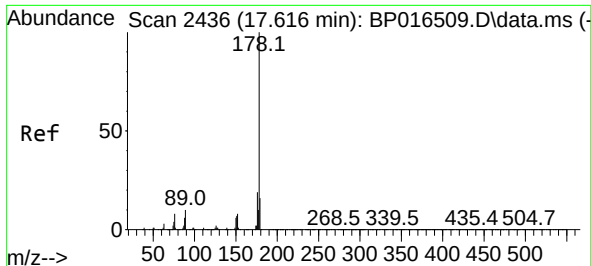
Tgt Ion:284 Resp: 1579087
Ion Ratio Lower Upper
284 100
142 34.5 26.9 40.3
249 30.4 24.2 36.4



#72
Phenanthrene
Concen: 39.030 ng/ul
RT: 17.528 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BP016511.D
Acq: 07 Aug 2023 11:01

Tgt Ion:178 Resp: 3524116
Ion Ratio Lower Upper
178 100
179 15.4 12.7 19.1
176 19.2 15.6 23.4



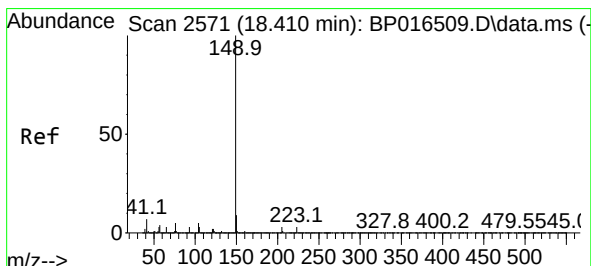
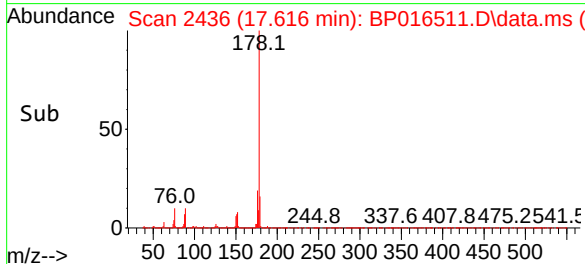
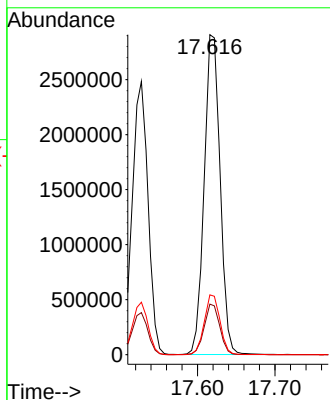
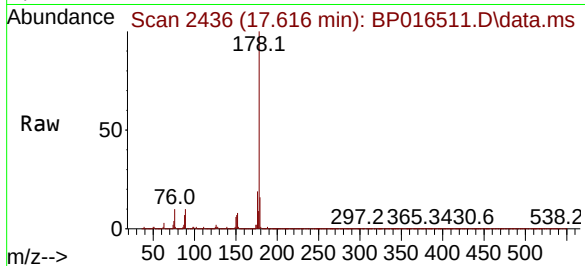


#74
 Anthracene
 Concen: 45.681 ng/ul
 RT: 17.616 min Scan# 2436
 Delta R.T. -0.006 min
 Lab File: BP016511.D
 Acq: 07 Aug 2023 11:01

Instrument :
 BNA_P
 ClientSampleId :
 X3H47

Tgt Ion:178 Resp: 4145283

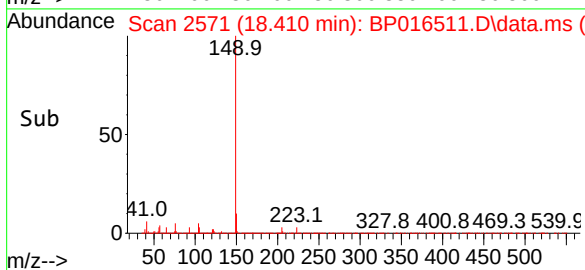
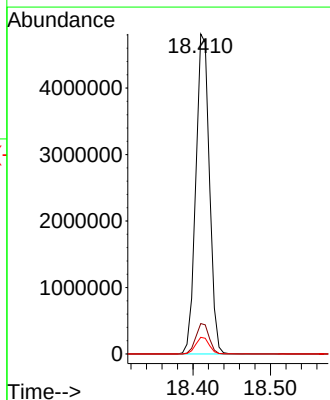
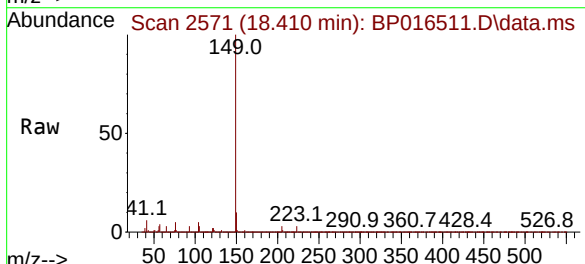
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.5	18.7
176	18.7	14.7	22.1

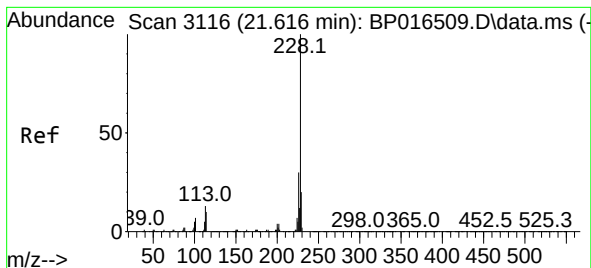


#78
 Di-n-butylphthalate
 Concen: 64.047 ng/ul
 RT: 18.410 min Scan# 2571
 Delta R.T. 0.000 min
 Lab File: BP016511.D
 Acq: 07 Aug 2023 11:01

Tgt Ion:149 Resp: 5840369

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	5.2	4.2	6.4





#87

Chrysene

Concen: 40.432 ng/ul

RT: 21.616 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

Instrument :

BNA_P

ClientSampleId :

X3H47

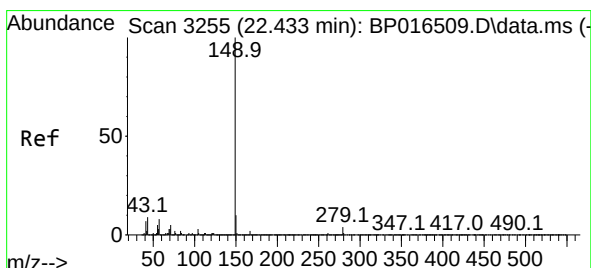
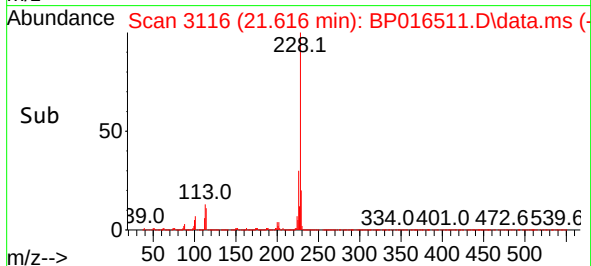
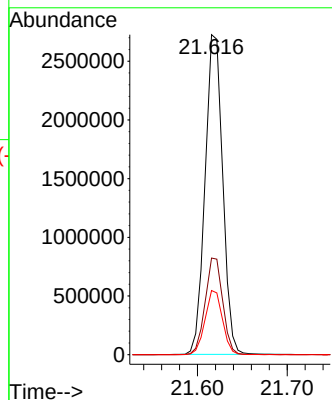
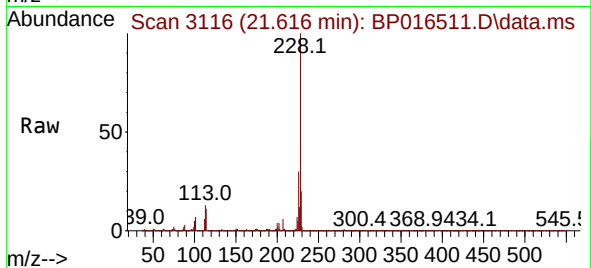
Tgt Ion:228 Resp: 3723895

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 20.1 15.4 23.2



#89

Di-n-octyl phthalate

Concen: 31.445 ng/ul

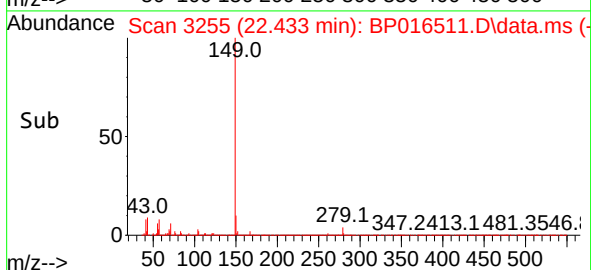
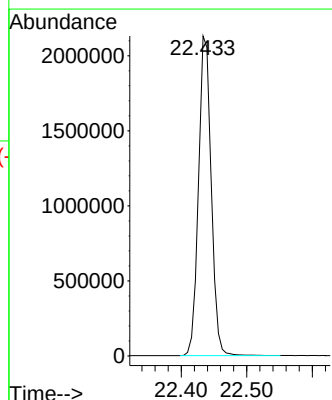
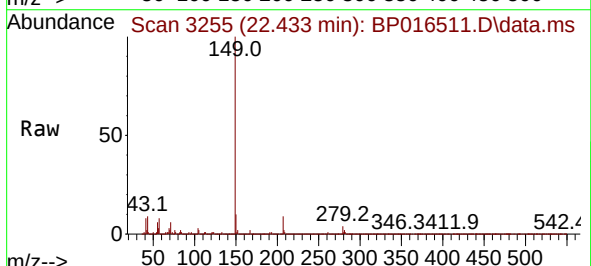
RT: 22.433 min Scan# 3255

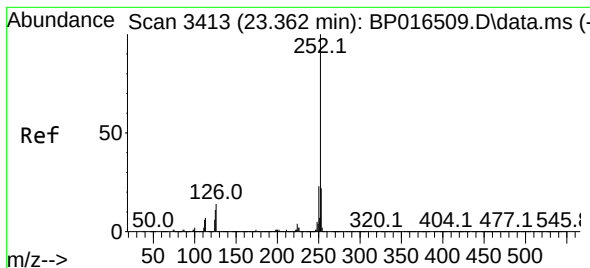
Delta R.T. -0.006 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

Tgt Ion:149 Resp: 2877580





#90

Benzo(b)fluoranthene

Concen: 32.874 ng/ul

RT: 23.363 min Scan# 3413

Delta R.T. 0.000 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

Instrument :

BNA_P

ClientSampleId :

X3H47

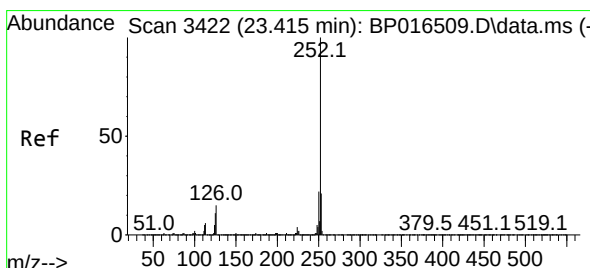
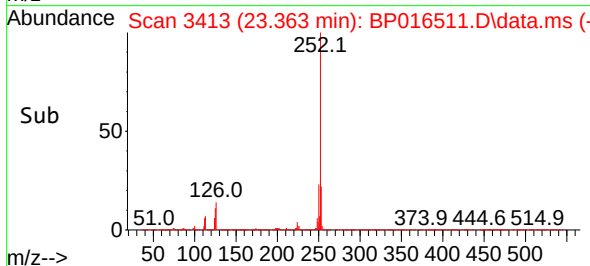
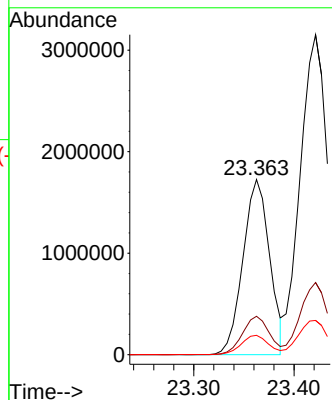
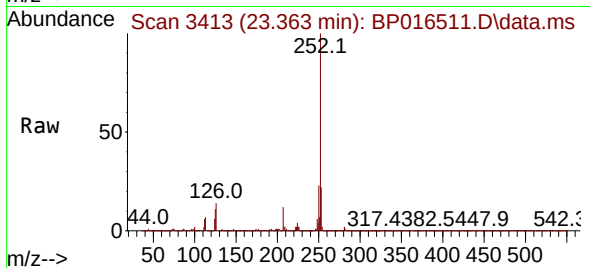
Tgt Ion:252 Resp: 3188030

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 11.1 8.7 13.1



#91

Benzo(k)fluoranthene

Concen: 62.206 ng/ul

RT: 23.421 min Scan# 3423

Delta R.T. 0.006 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

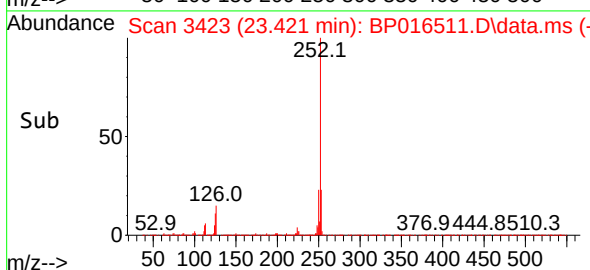
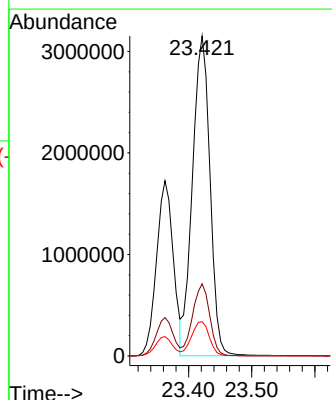
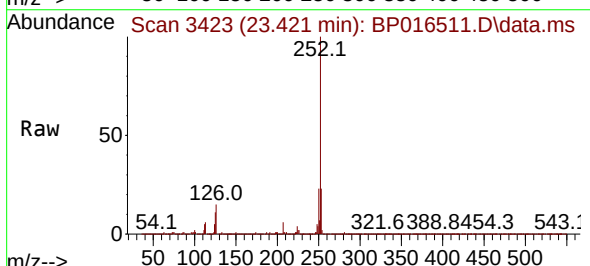
Tgt Ion:252 Resp: 6070399

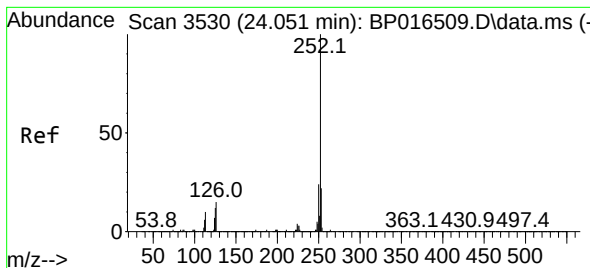
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 10.7 9.4 14.0





#93

Benzo(a)pyrene

Concen: 39.772 ng/ul

RT: 24.057 min Scan# 3530

Delta R.T. 0.000 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

Instrument :

BNA_P

ClientSampleId :

X3H47

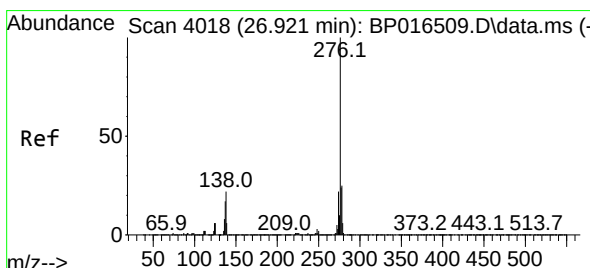
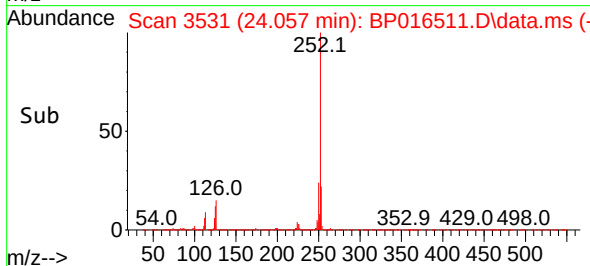
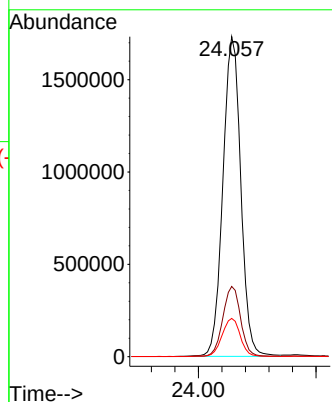
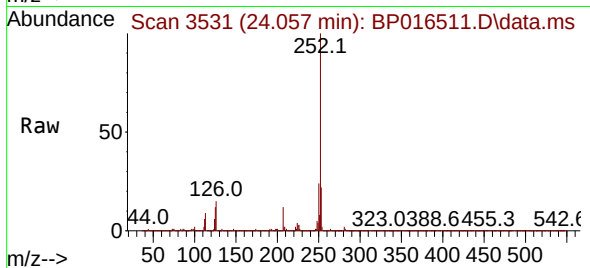
Tgt Ion:252 Resp: 3657978

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 11.9 9.7 14.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 54.345 ng/ul

RT: 26.939 min Scan# 4021

Delta R.T. 0.006 min

Lab File: BP016511.D

Acq: 07 Aug 2023 11:01

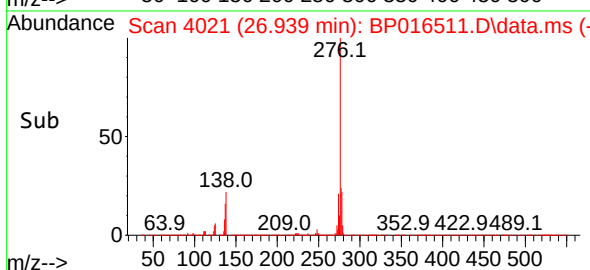
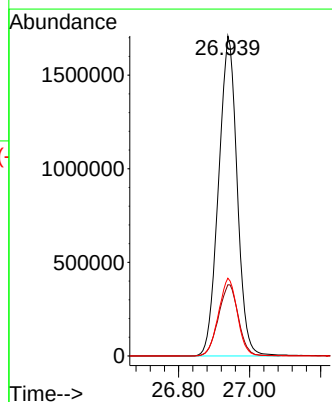
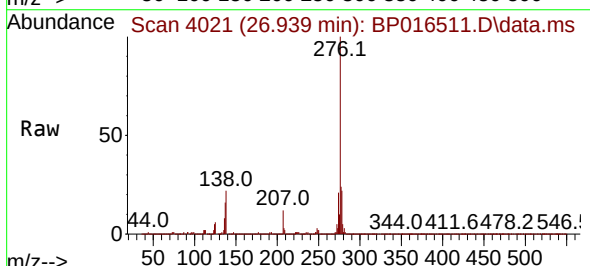
Tgt Ion:276 Resp: 6173981

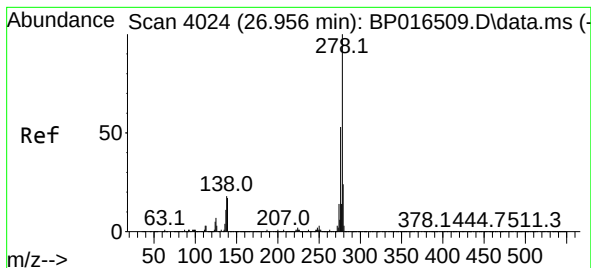
Ion Ratio Lower Upper

276 100

138 22.2 18.7 28.1

277 24.3 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 27.660 ng/ul

RT: 26.962 min Scan# 40

Delta R.T. 0.000 min

Lab File: BP016511.D

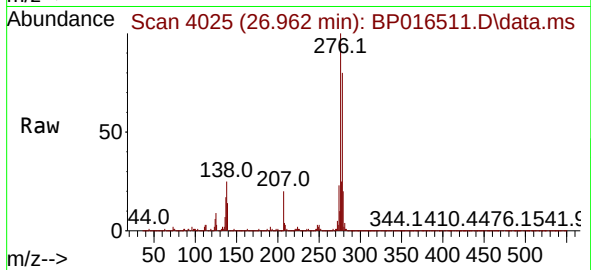
Acq: 07 Aug 2023 11:01

Instrument :

BNA_P

ClientSampleId :

X3H47



Tgt Ion:278 Resp: 2623025

Ion Ratio Lower Upper

278 100

139 17.5 14.4 21.6

279 24.4 19.2 28.8

