

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071223\
 Data File : BP016209.D
 Acq On : 13 Jul 2023 15:38
 Operator : MA/JU
 Sample : 03414-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGZ3

Quant Time: Jul 14 00:43:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 13 18:57:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	3285	20.000	ng/ul	# 0.02
20) Naphthalene-d8	10.834	136	21174	20.000	ng/ul	# 0.05
38) Acenaphthene-d10	14.640	164	17852	20.000	ng/ul	0.02
64) Phenanthrene-d10	17.398	188	43747	20.000	ng/ul	0.02
79) Chrysene-d12	21.510	240	42732	20.000	ng/ul	0.03
88) Perylene-d12	24.033	264	47975	20.000	ng/ul	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	2192	23.613	ng/uL	0.00
4) Pyridine-d5	3.752	84	536	2.315	ng/ul	0.01
7) Phenol-d5	7.187	99	142112	478.947	ng/ul	0.03
9) Bis-(2-Chloroethyl)eth...	7.311	67	89214	444.650	ng/ul	0.01
11) 2-Chlorophenol-d4	7.516	132	101108	472.038	ng/ul	0.02
15) 4-Methylphenol-d8	8.775	113	104778	438.355	ng/ul	0.07
21) Nitrobenzene-d5	9.211	128	50593	346.341	ng/ul	0.05
24) 2-Nitrophenol-d4	9.952	143	30917	185.698	ng/ul	0.06
28) 2,4-Dichlorophenol-d3	10.558	165	97258	337.337	ng/ul	0.10
31) 4-Chloroaniline-d4	11.116	131	10414	22.535	ng/ul	0.15
46) Dimethylphthalate-d6	14.051	166	461643	339.002	ng/ul	0.02
49) Acenaphthylene-d8	14.334	160	483155	323.748	ng/ul	0.02
54) 4-Nitrophenol-d4	14.963	143	83	0.299	ng/ul	0.02
60) Fluorene-d10	15.640	176	402887	353.511	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.863	200	18518	73.326	ng/ul	0.07
73) Anthracene-d10	17.504	188	596590	311.767	ng/ul	0.02
81) Pyrene-d10	19.728	212	815215	367.650	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.839	264	746239	323.903	ng/ul	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.328	88	309	3.034	ng/uL#	1
6) Benzaldehyde	7.128	77	187	1.009	ng/ul#	53
8) Phenol	7.222	94	4463	14.032	ng/ul#	61
16) Acetophenone	8.881	105	74080	187.948	ng/ul	93
17) N-Nitroso-di-n-propyla...	8.787	70	21483	101.664	ng/ul#	79
30) Naphthalene	10.893	128	41024	36.919	ng/ul	98
34) Caprolactam	11.834	113	263	2.451	ng/ul	89
36) 2-Methylnaphthalene	12.534	142	11488	15.419	ng/ul	98
37) 1-Methylnaphthalene	12.728	142	6502	8.486	ng/ul#	83
48) 2,6-Dinitrotoluene	14.410	165	267	1.030	ng/ul	94
50) Acenaphthylene	14.369	152	4002	2.335	ng/ul#	86
52) Acenaphthene	14.704	153	20754	17.902	ng/ul	98
56) Dibenzofuran	15.075	168	24424	15.467	ng/ul	98
59) Diethylphthalate	15.469	149	7898	5.522	ng/ul	99
61) Fluorene	15.704	166	24356	18.464	ng/ul#	96
72) Phenanthrene	17.445	178	162130	71.128	ng/ul	99
74) Anthracene	17.551	178	26673	11.645	ng/ul	98
78) Di-n-butylphthalate	18.328	149	10025	3.832	ng/ul#	94
80) Fluoranthene	19.410	202	164293	63.362	ng/ul	99
82) Pyrene	19.763	202	122864	44.382	ng/ul	97
85) Benzo(a)anthracene	21.551	228	53379	19.183	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.345	149	101193	56.737	ng/ul	98
87) Chrysene	21.551	228	53617	19.020	ng/ul	99
90) Benzo(b)fluoranthene	23.251	252	65683	23.968	ng/ul#	88

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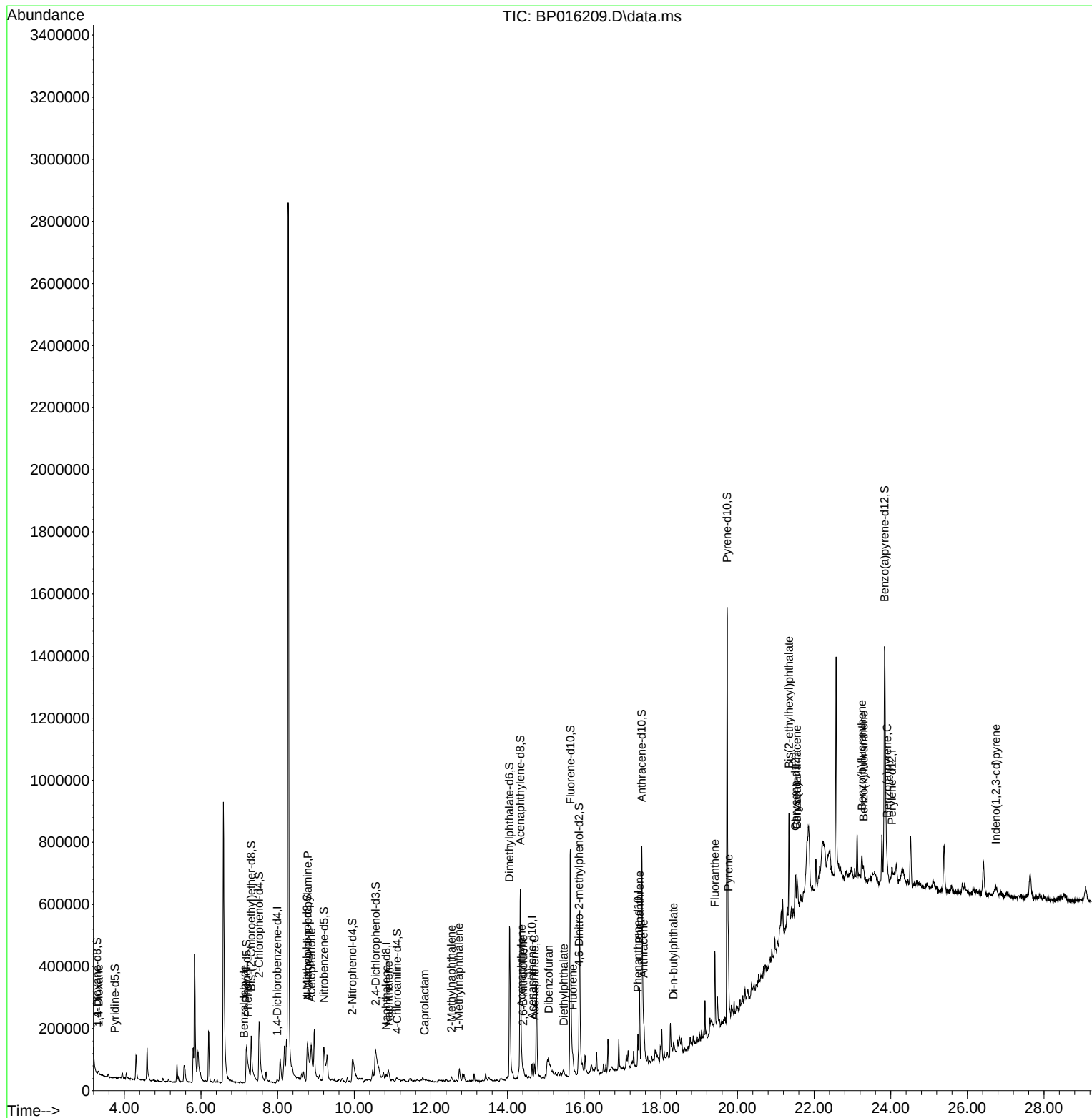
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(k)fluoranthene	23.292	252	30357	10.885	ng/ul#	78
93) Benzo(a)pyrene	23.910	252	29076	10.710	ng/ul#	66
94) Indeno(1,2,3-cd)pyrene	26.745	276	24851	7.393	ng/ul	95

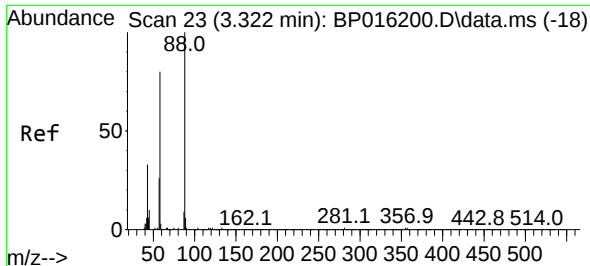
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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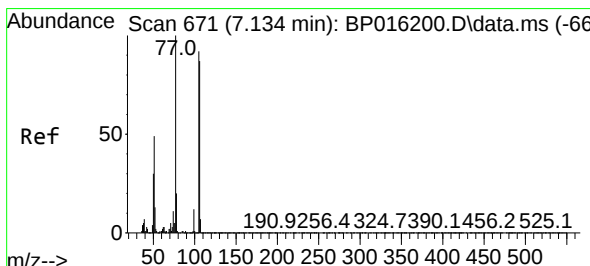
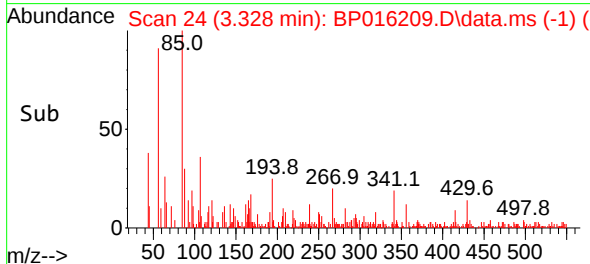
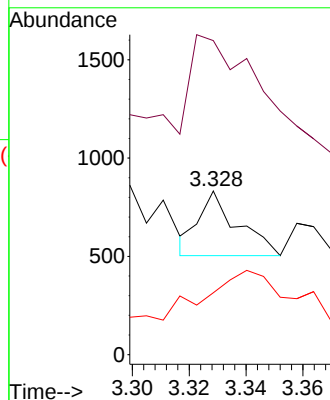
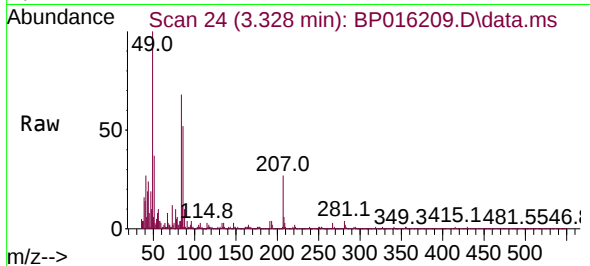




#2
1,4-Dioxane
Concen: 3.034 ng/uL
RT: 3.328 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

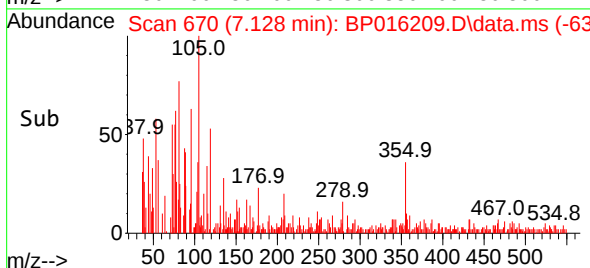
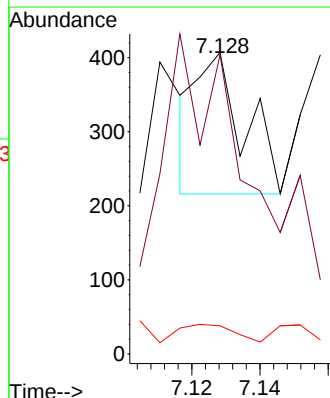
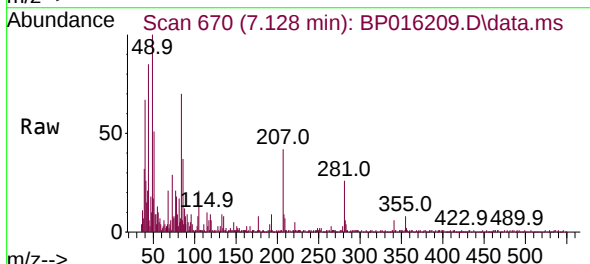
Instrument :
BNA_P
ClientSampleId :
DCGZ3

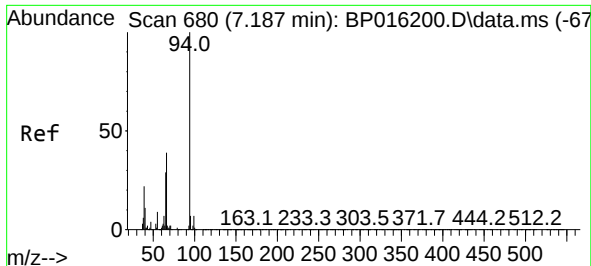
Tgt Ion: 88 Resp: 309
Ion Ratio Lower Upper
88 100
43 191.8 22.3 33.5#
58 37.8 63.1 94.7#



#6
Benzaldehyde
Concen: 1.009 ng/uL
RT: 7.128 min Scan# 670
Delta R.T. -0.006 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

Tgt Ion: 77 Resp: 187
Ion Ratio Lower Upper
77 100
105 99.3 69.4 104.2
106 9.3 66.2 99.4#

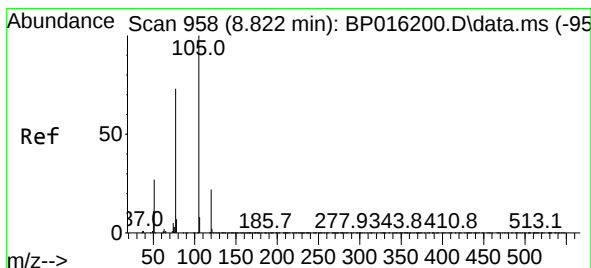
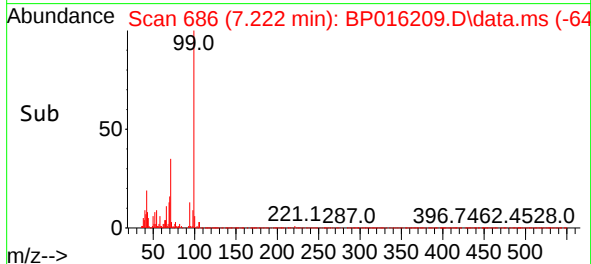
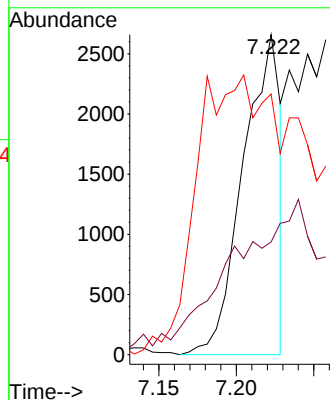
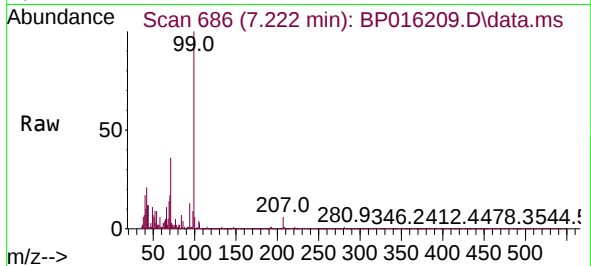




#8
Phenol
Concen: 14.032 ng/ul
RT: 7.222 min Scan# 61
Delta R.T. 0.036 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

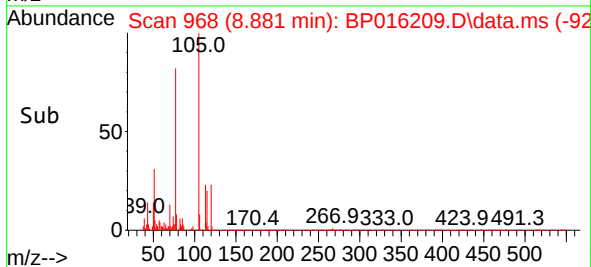
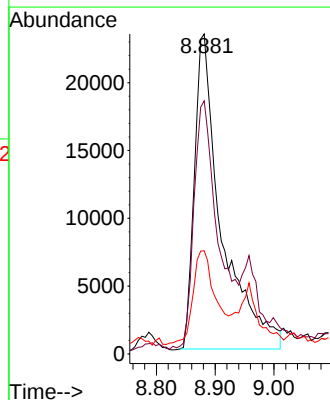
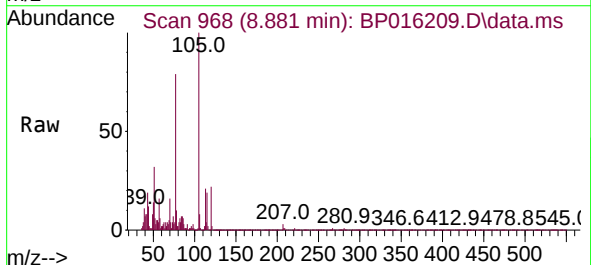
Instrument :
BNA_P
ClientSampleId :
DCGZ3

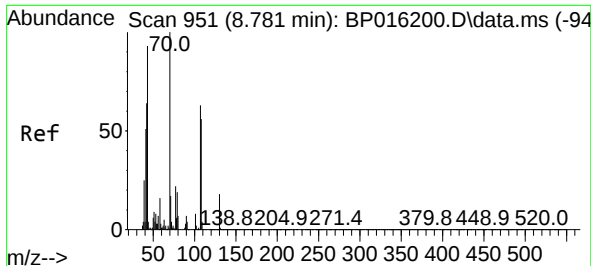
Tgt Ion: 94 Resp: 4463
Ion Ratio Lower Upper
94 100
65 35.2 25.5 38.3
66 81.5 32.7 49.1#



#16
Acetophenone
Concen: 187.948 ng/ul
RT: 8.881 min Scan# 968
Delta R.T. 0.059 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

Tgt Ion: 105 Resp: 74080
Ion Ratio Lower Upper
105 100
77 79.1 70.2 105.2
51 32.3 26.3 39.5

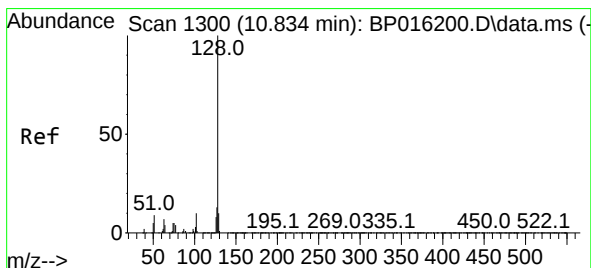
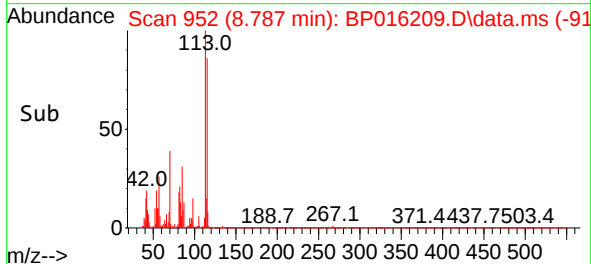
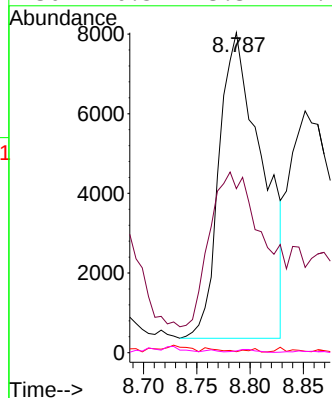
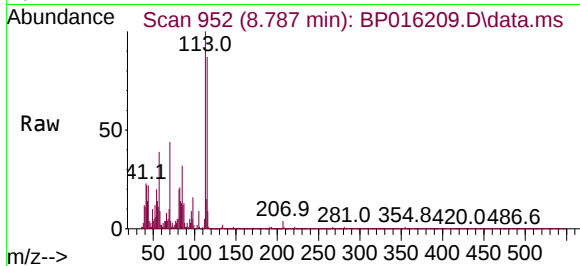




#17
N-Nitroso-di-n-propylamine
Concen: 101.664 ng/ul
RT: 8.787 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

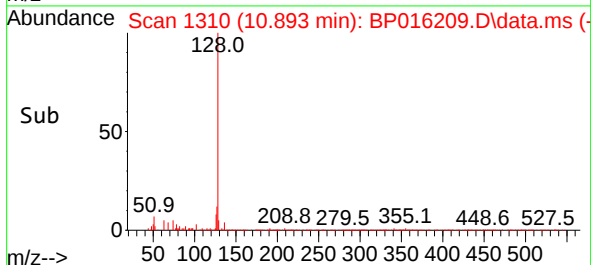
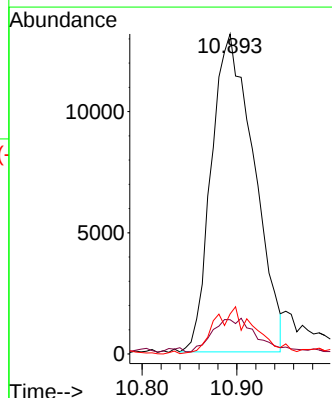
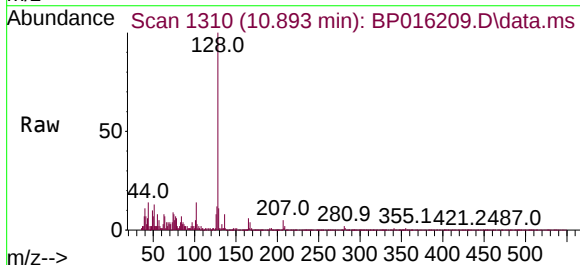
Instrument :
BNA_P
ClientSampleId :
DCGZ3

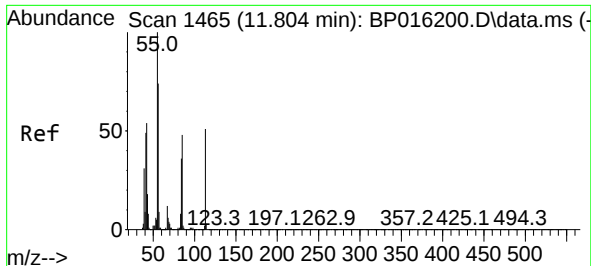
Tgt Ion: 70 Resp: 21483
Ion Ratio Lower Upper
70 100
42 51.3 50.8 76.2
101 0.3 7.0 10.6#
130 0.5 13.3 19.9#



#30
Naphthalene
Concen: 36.919 ng/ul
RT: 10.893 min Scan# 1310
Delta R.T. 0.059 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

Tgt Ion: 128 Resp: 41024
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.5 10.9 16.3

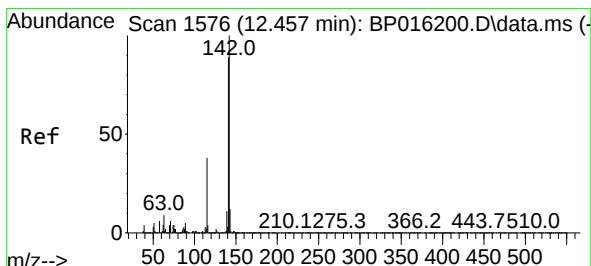
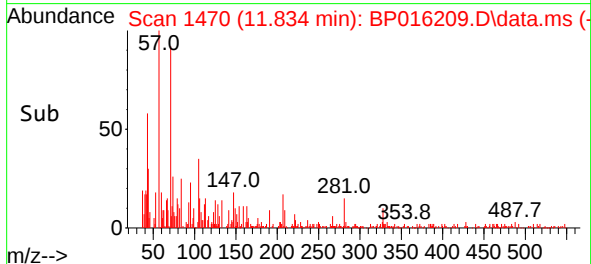
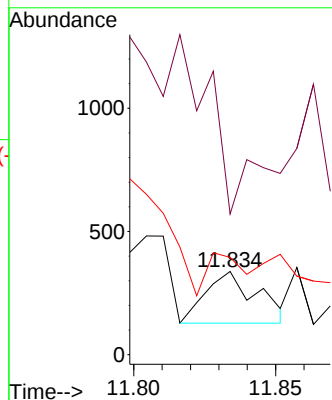
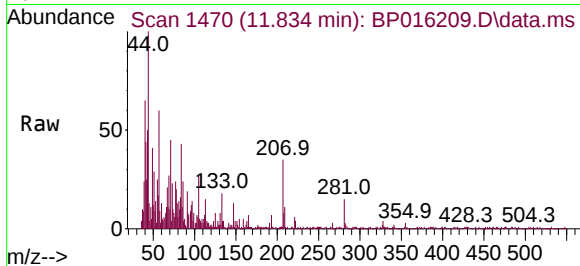




#34
Caprolactam
Concen: 2.451 ng/ul
RT: 11.834 min Scan# 1465
Delta R.T. 0.030 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

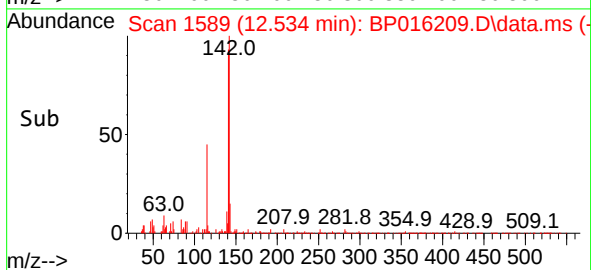
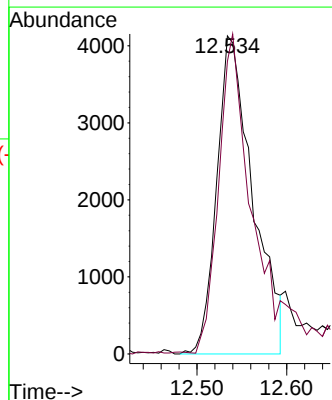
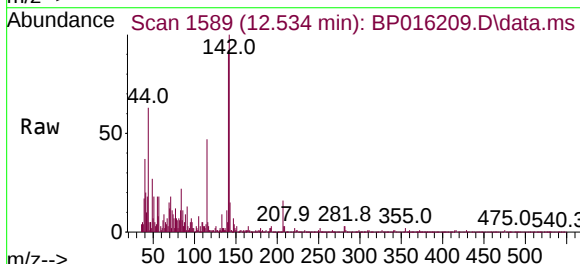
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ClientSampleId :
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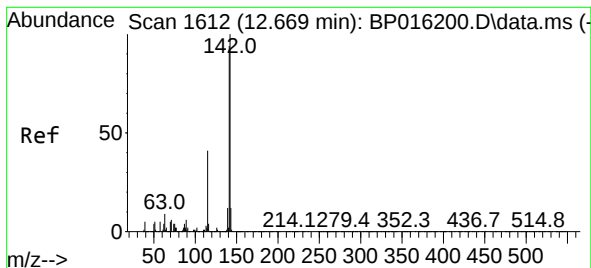
Tgt Ion:113 Resp: 263
Ion Ratio Lower Upper
113 100
55 168.9 147.8 221.8
56 116.9 103.8 155.6



#36
2-Methylnaphthalene
Concen: 15.419 ng/ul
RT: 12.534 min Scan# 1589
Delta R.T. 0.077 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

Tgt Ion:142 Resp: 11488
Ion Ratio Lower Upper
142 100
141 91.9 71.9 107.9





#37

1-Methylnaphthalene

Concen: 8.486 ng/ul

RT: 12.728 min Scan# 1

Delta R.T. 0.059 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

Instrument :

BNA_P

ClientSampleId :

DCGZ3

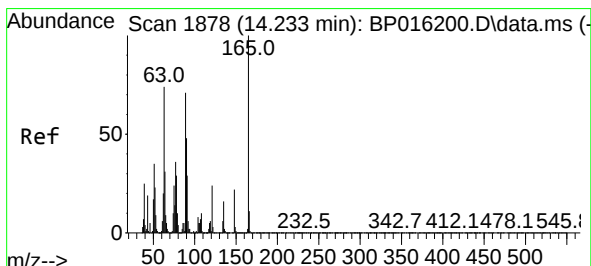
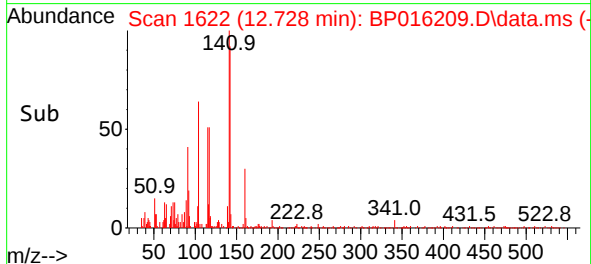
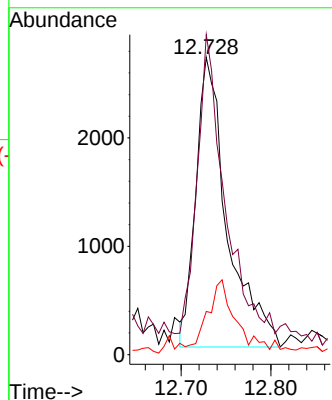
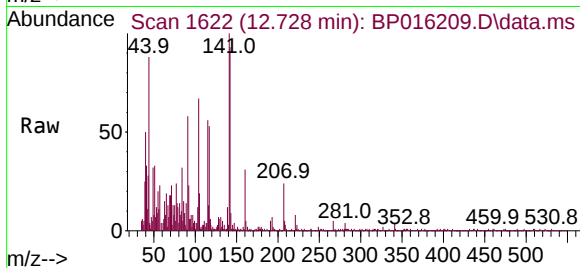
Tgt Ion:142 Resp: 6502

Ion Ratio Lower Upper

142 100

141 107.6 73.9 110.9

116 14.5 3.4 5.2#



#48

2,6-Dinitrotoluene

Concen: 1.030 ng/ul

RT: 14.410 min Scan# 1908

Delta R.T. 0.177 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

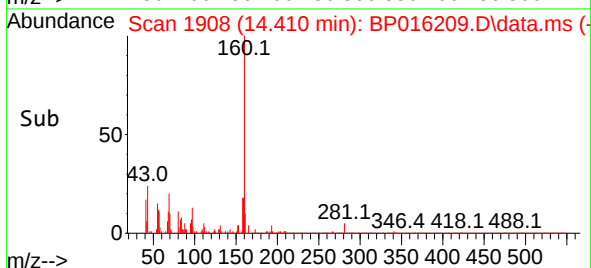
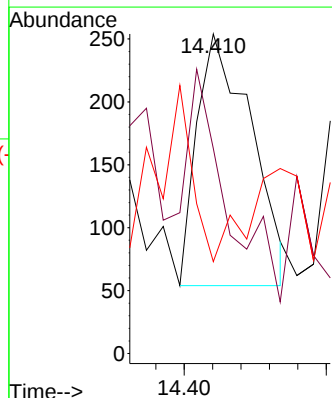
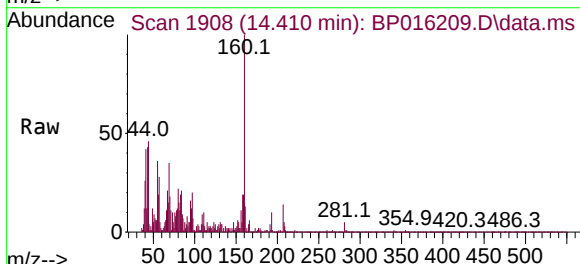
Tgt Ion:165 Resp: 267

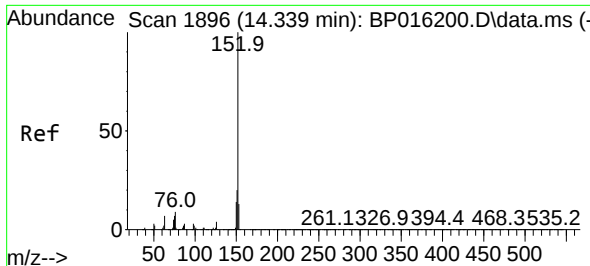
Ion Ratio Lower Upper

165 100

89 64.2 54.8 82.2

121 28.7 19.4 29.0

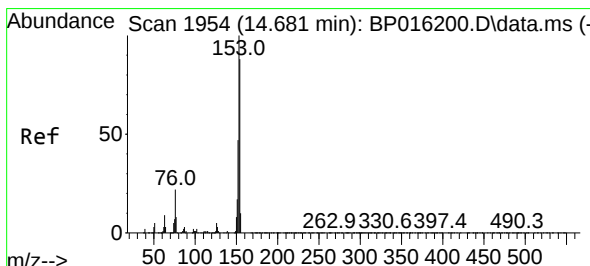
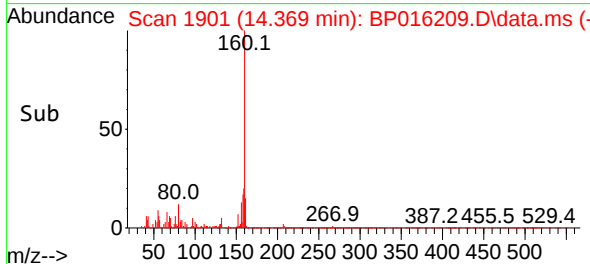
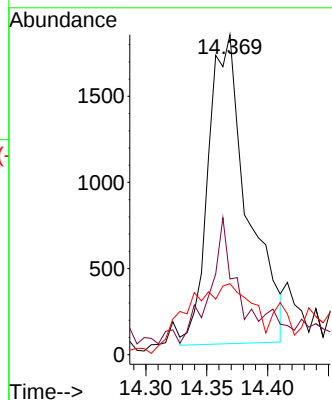
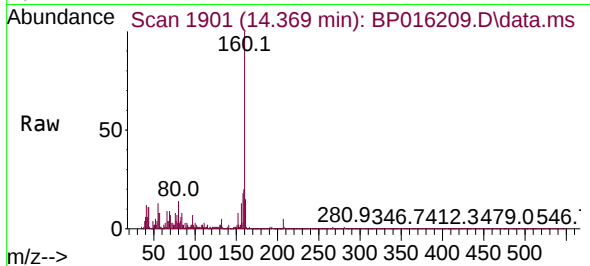




#50
Acenaphthylene
Concen: 2.335 ng/ul
RT: 14.369 min Scan# 1901
Delta R.T. 0.030 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

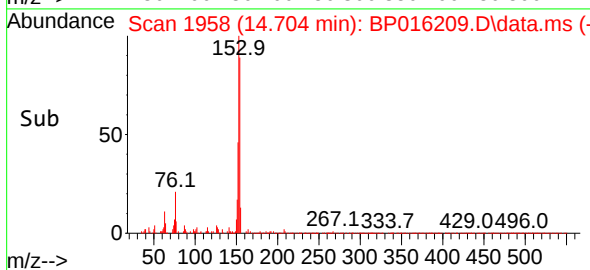
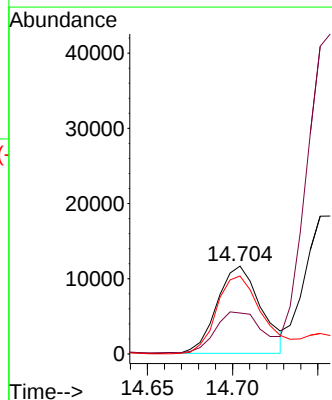
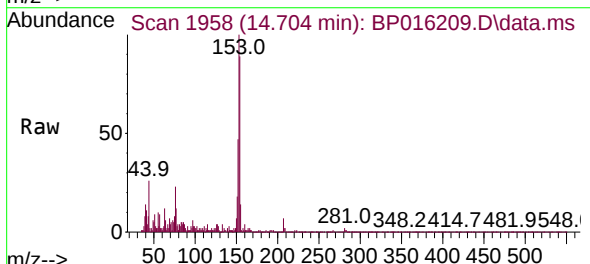
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ClientSampleId :
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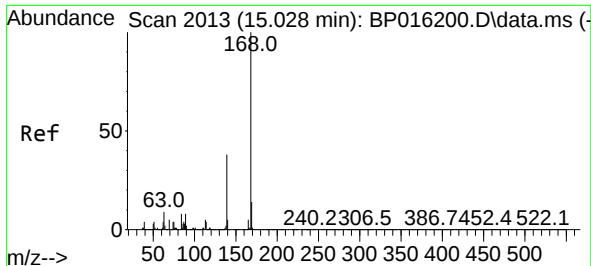
Tgt Ion:152 Resp: 4002
Ion Ratio Lower Upper
152 100
151 23.6 15.8 23.8
153 22.2 10.2 15.4#



#52
Acenaphthene
Concen: 17.902 ng/ul
RT: 14.704 min Scan# 1958
Delta R.T. 0.024 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

Tgt Ion:153 Resp: 20754
Ion Ratio Lower Upper
153 100
152 46.7 37.9 56.9
154 88.8 69.3 103.9

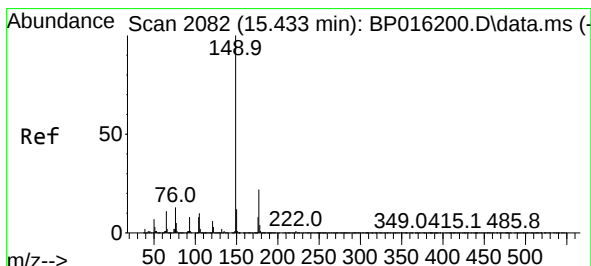
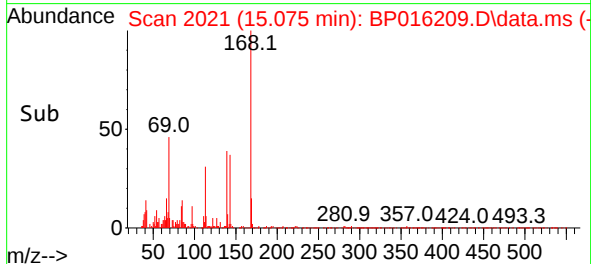
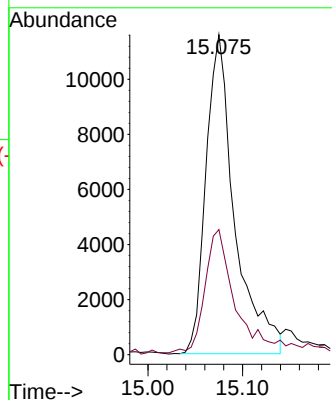
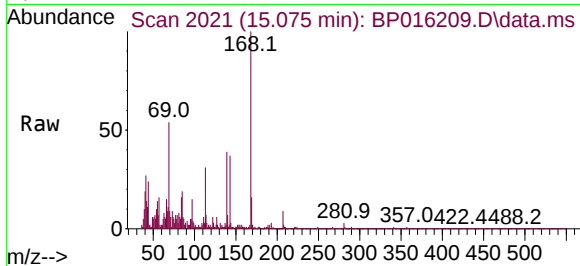




#56
Dibenzenofuran
Concen: 15.467 ng/ul
RT: 15.075 min Scan# 2013
Delta R.T. 0.047 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

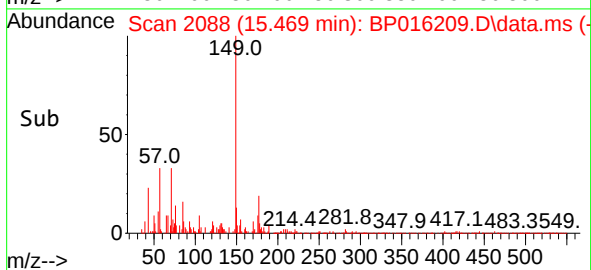
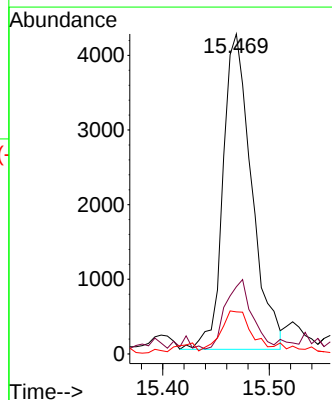
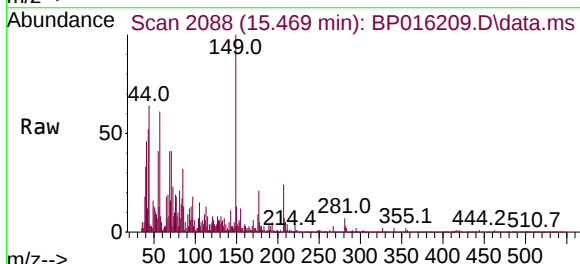
Instrument :
BNA_P
ClientSampleId :
DCGZ3

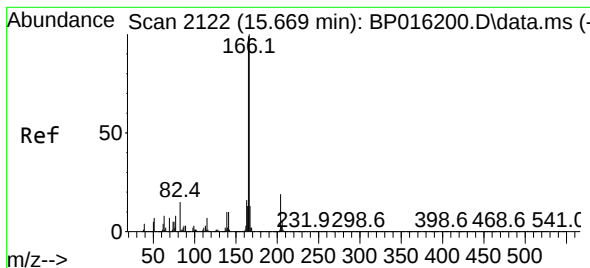
Tgt Ion:168 Resp: 24424
Ion Ratio Lower Upper
168 100
139 39.1 30.6 45.8



#59
Diethylphthalate
Concen: 5.522 ng/ul
RT: 15.469 min Scan# 2088
Delta R.T. 0.036 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

Tgt Ion:149 Resp: 7898
Ion Ratio Lower Upper
149 100
177 21.0 17.4 26.0
150 13.1 10.2 15.2





#61

Fluorene

Concen: 18.464 ng/ul

RT: 15.704 min Scan# 2122

Delta R.T. 0.036 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

Instrument :

BNA_P

ClientSampleId :

DCGZ3

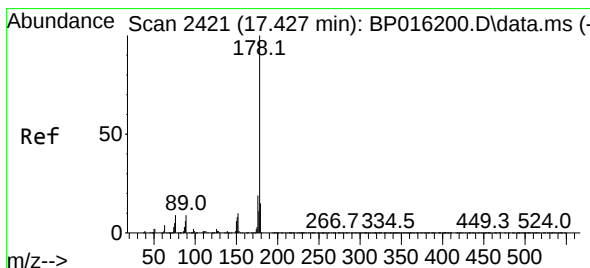
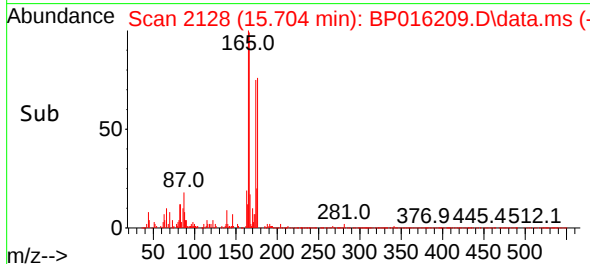
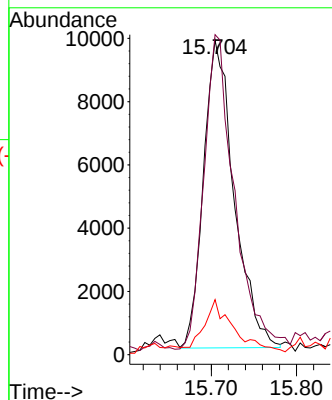
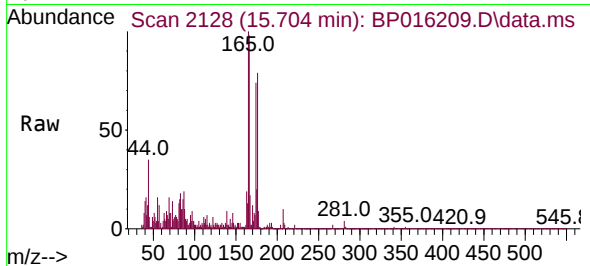
Tgt Ion:166 Resp: 24356

Ion Ratio Lower Upper

166 100

165 101.8 78.6 117.8

167 17.5 11.0 16.4#



#72

Phenanthrene

Concen: 71.128 ng/ul

RT: 17.445 min Scan# 2424

Delta R.T. 0.018 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

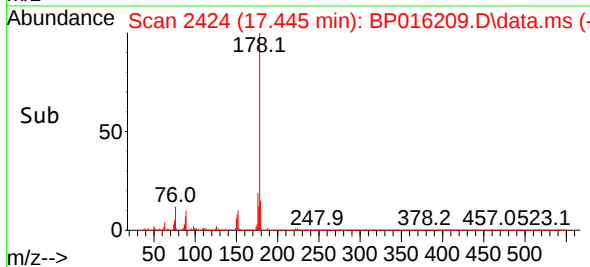
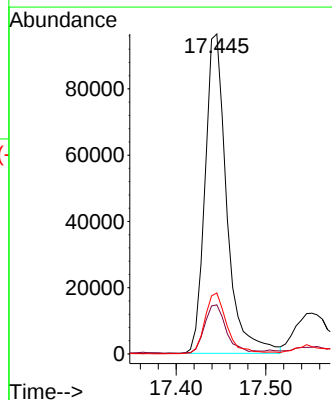
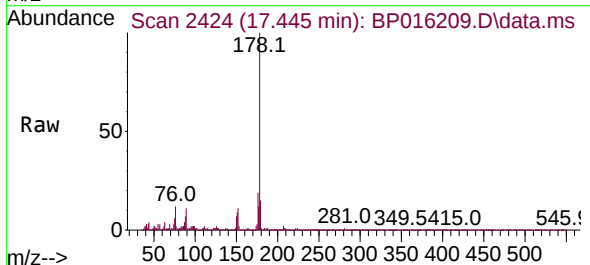
Tgt Ion:178 Resp: 162130

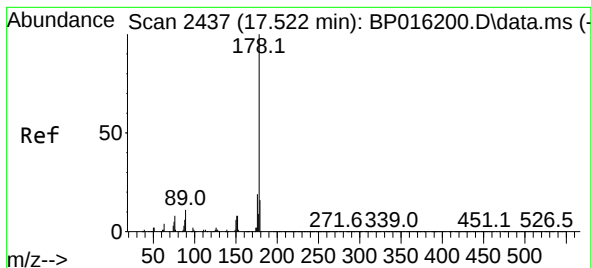
Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

176 19.0 15.6 23.4





#74

Anthracene

Concen: 11.645 ng/ul

RT: 17.551 min Scan# 2437

Delta R.T. 0.030 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

Instrument :

BNA_P

ClientSampleId :

DCGZ3

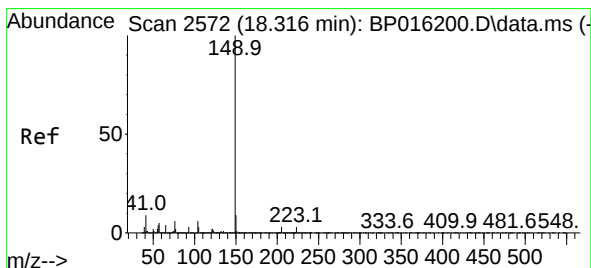
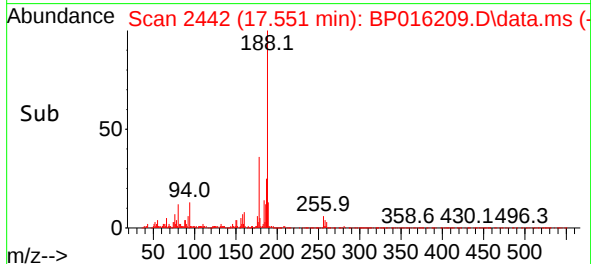
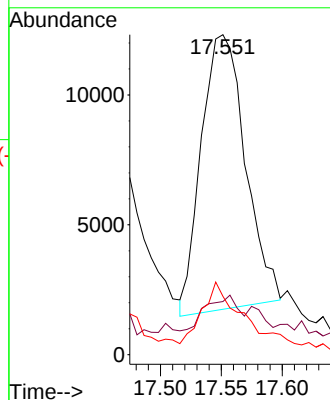
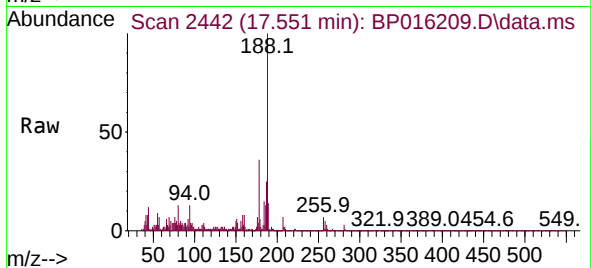
Tgt Ion:178 Resp: 26673

Ion Ratio Lower Upper

178 100

179 16.6 11.9 17.9

176 18.2 15.0 22.4



#78

Di-n-butylphthalate

Concen: 3.832 ng/ul

RT: 18.328 min Scan# 2574

Delta R.T. 0.012 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

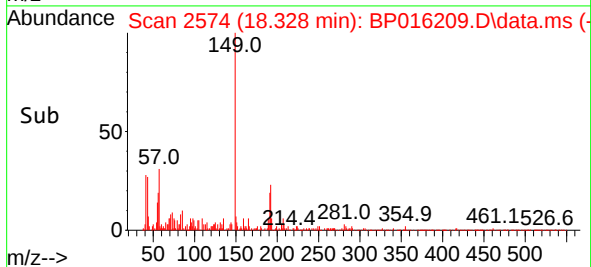
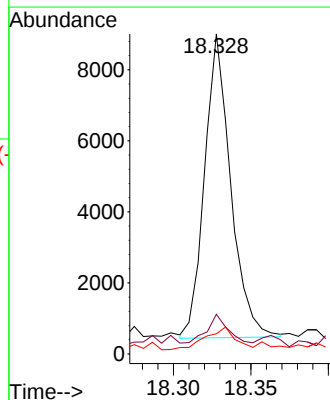
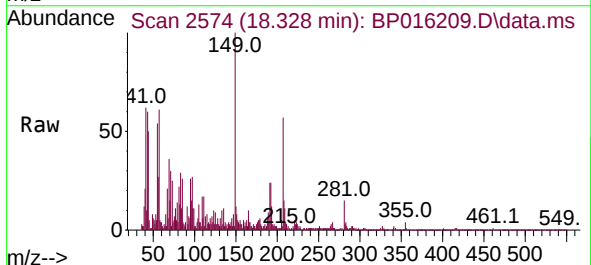
Tgt Ion:149 Resp: 10025

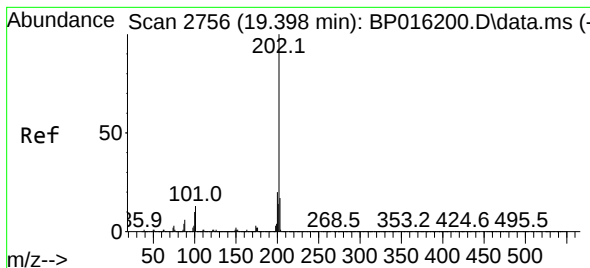
Ion Ratio Lower Upper

149 100

150 12.4 7.4 11.0#

104 6.3 4.6 7.0





#80

Fluoranthene

Concen: 63.362 ng/ul

RT: 19.410 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

Instrument :

BNA_P

ClientSampleId :

DCGZ3

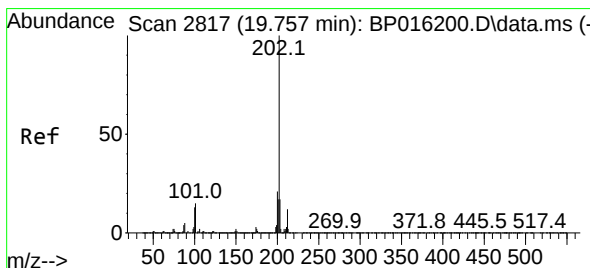
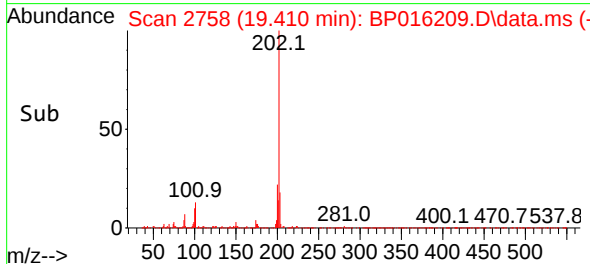
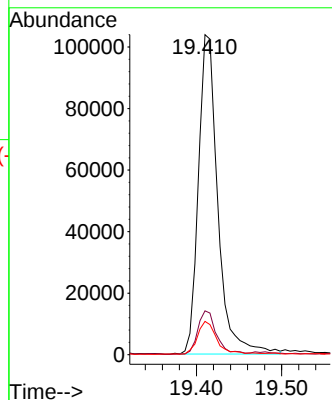
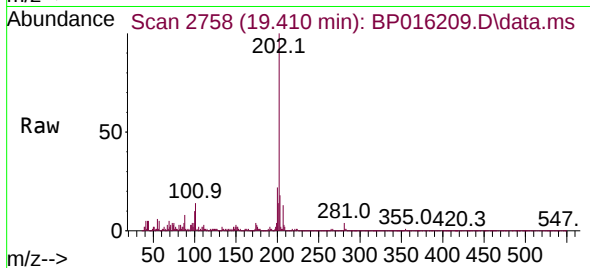
Tgt Ion:202 Resp: 164293

Ion Ratio Lower Upper

202 100

101 13.7 10.4 15.6

100 10.4 8.2 12.4



#82

Pyrene

Concen: 44.382 ng/ul

RT: 19.763 min Scan# 2818

Delta R.T. 0.006 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

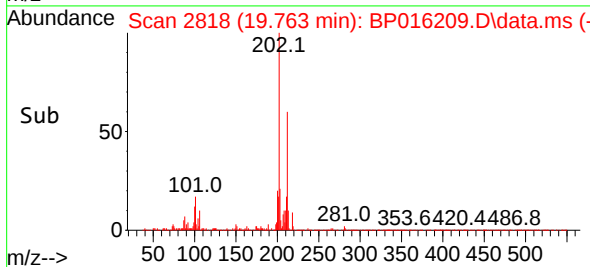
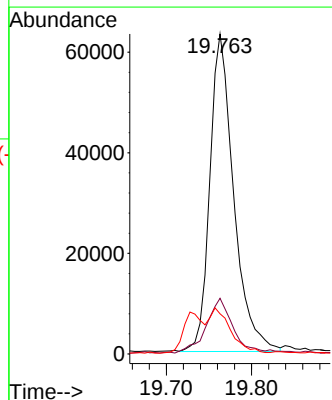
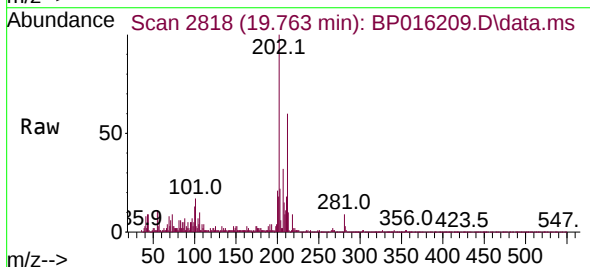
Tgt Ion:202 Resp: 122864

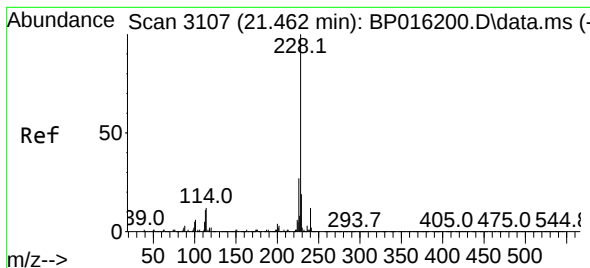
Ion Ratio Lower Upper

202 100

101 17.4 12.4 18.6

100 12.6 10.5 15.7





#85

Benzo(a)anthracene

Concen: 19.183 ng/ul

RT: 21.551 min Scan# 3107

Delta R.T. 0.089 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

Instrument :

BNA_P

ClientSampleId :

DCGZ3

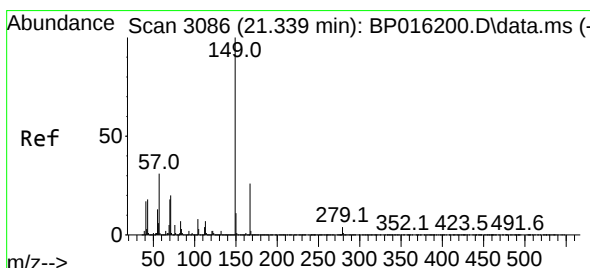
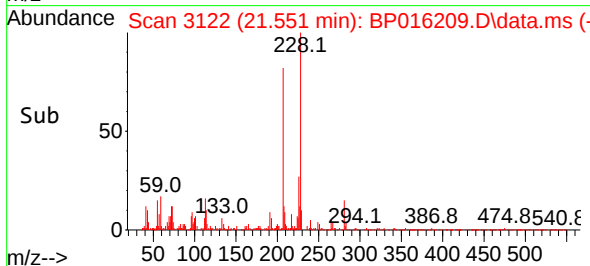
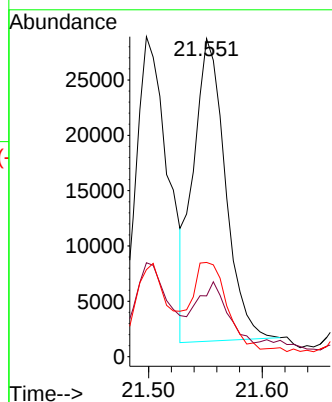
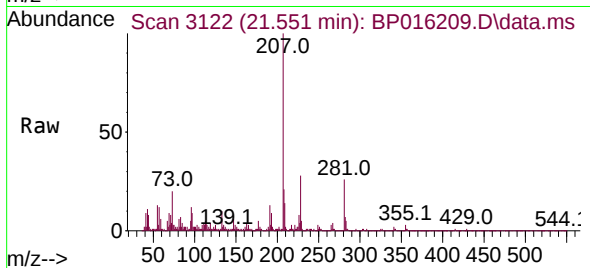
Tgt Ion:228 Resp: 53379

Ion Ratio Lower Upper

228 100

229 19.1 15.5 23.3

226 29.6 21.5 32.3



#86

Bis(2-ethylhexyl)phthalate

Concen: 56.737 ng/ul

RT: 21.345 min Scan# 3087

Delta R.T. 0.006 min

Lab File: BP016209.D

Acq: 13 Jul 2023 15:38

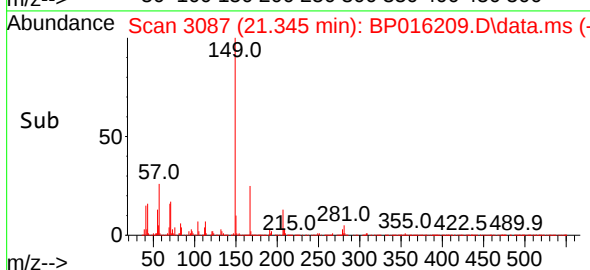
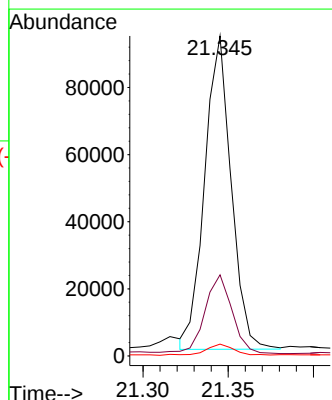
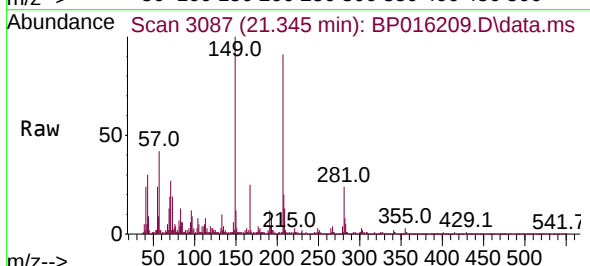
Tgt Ion:149 Resp: 101193

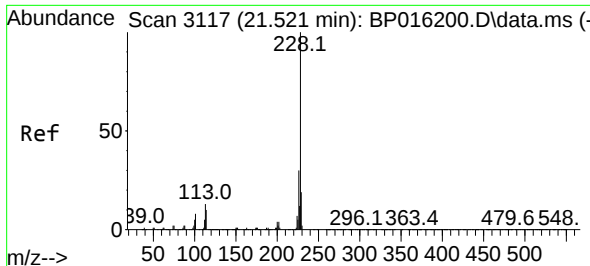
Ion Ratio Lower Upper

149 100

167 25.3 21.0 31.4

279 3.7 3.0 4.6

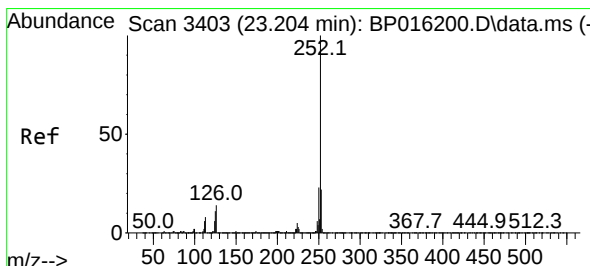
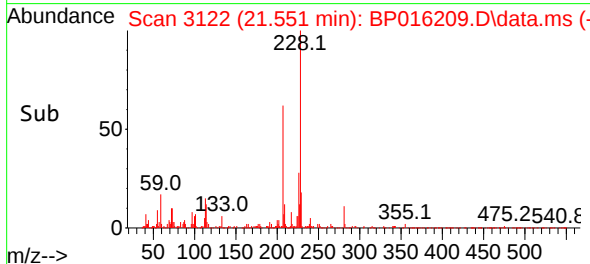
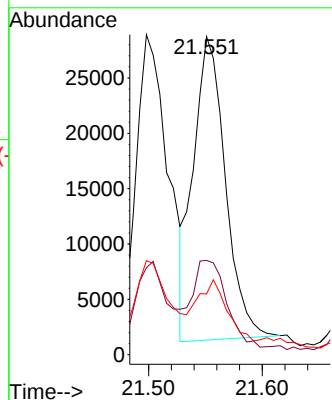
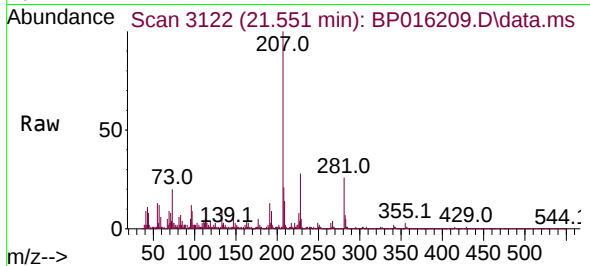




#87
Chrysene
Concen: 19.020 ng/ul
RT: 21.551 min Scan# 3117
Delta R.T. 0.030 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

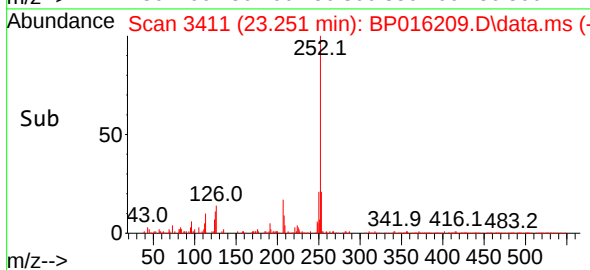
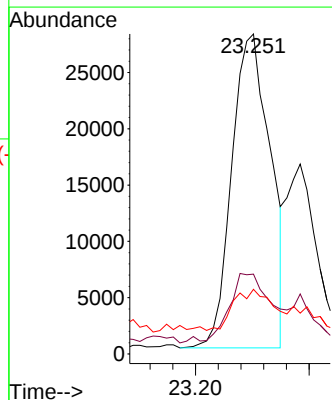
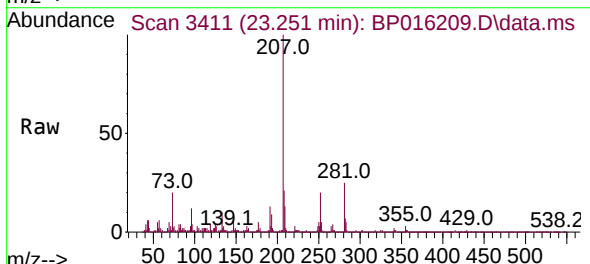
Instrument :
BNA_P
ClientSampleId :
DCGZ3

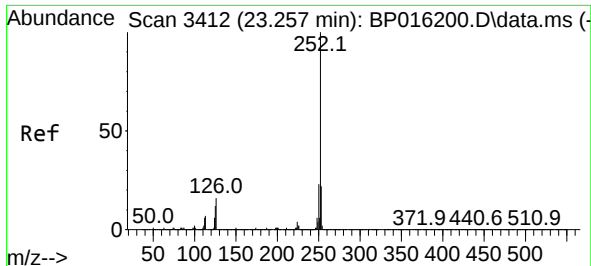
Tgt Ion:228 Resp: 53617
Ion Ratio Lower Upper
228 100
226 29.6 24.0 36.0
229 19.1 15.5 23.3



#90
Benzo(b)fluoranthene
Concen: 23.968 ng/ul
RT: 23.251 min Scan# 3411
Delta R.T. 0.047 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

Tgt Ion:252 Resp: 65683
Ion Ratio Lower Upper
252 100
253 25.0 17.3 25.9
125 20.2 9.4 14.0#

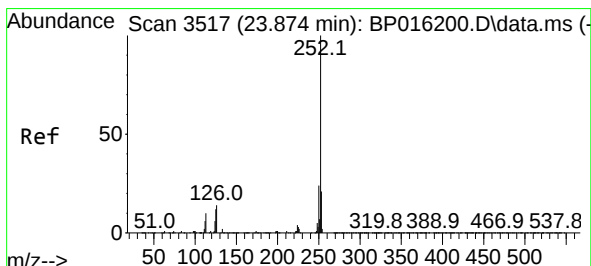
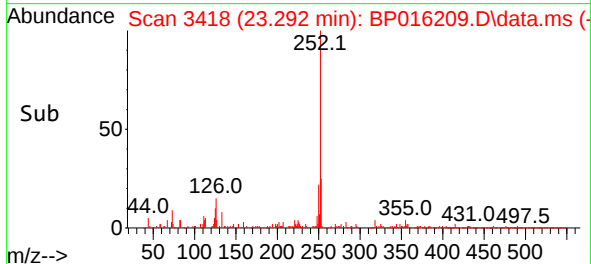
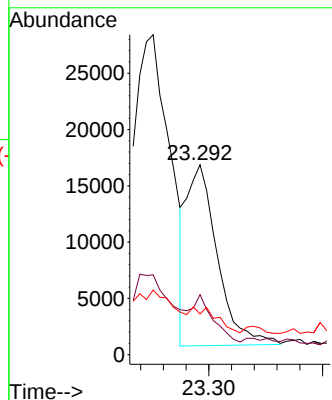
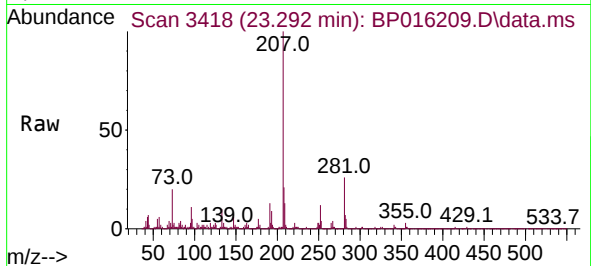




#91
Benzo(k)fluoranthene
Concen: 10.885 ng/u1
RT: 23.292 min Scan# 3412
Delta R.T. 0.036 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

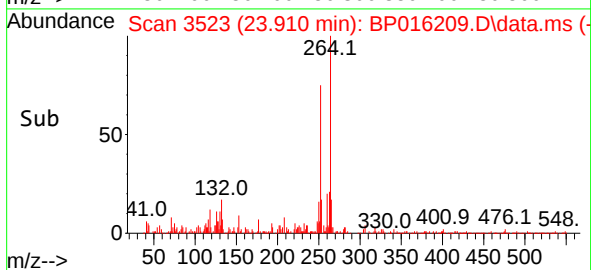
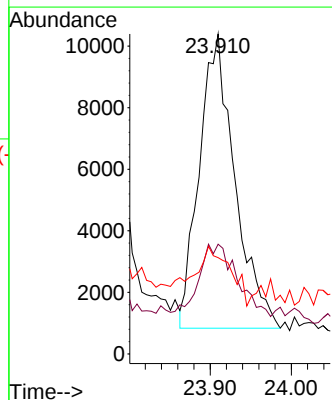
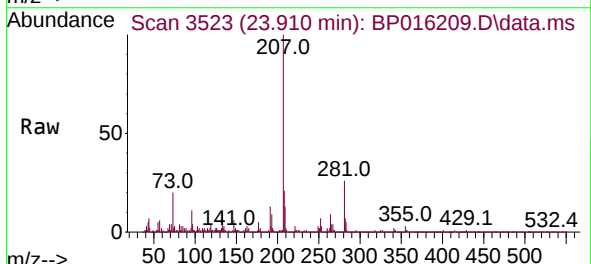
Instrument :
BNA_P
ClientSampleId :
DCGZ3

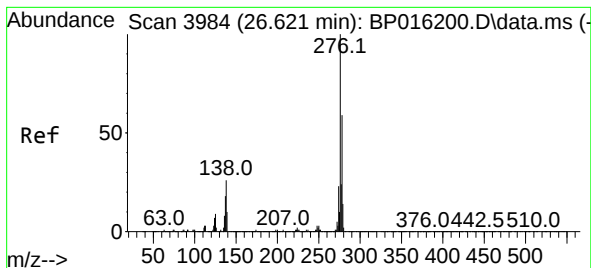
Tgt Ion:252 Resp: 30357
Ion Ratio Lower Upper
252 100
253 31.6 17.4 26.2#
125 21.5 9.3 13.9#



#93
Benzo(a)pyrene
Concen: 10.710 ng/u1
RT: 23.910 min Scan# 3523
Delta R.T. 0.036 min
Lab File: BP016209.D
Acq: 13 Jul 2023 15:38

Tgt Ion:252 Resp: 29076
Ion Ratio Lower Upper
252 100
253 34.3 17.2 25.8#
125 30.1 9.8 14.6#





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.393 ng/ul

RT: 26.745 min Scan# 40

Delta R.T. 0.124 min

Lab File: BP016209.D

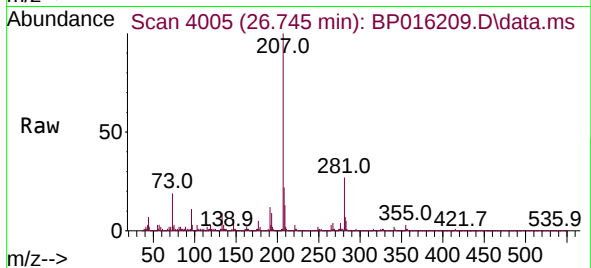
Acq: 13 Jul 2023 15:38

Instrument :

BNA_P

ClientSampleId :

DCGZ3



Tgt Ion:276 Resp: 24851

Ion Ratio Lower Upper

276 100

138 21.1 20.8 31.2

277 24.4 19.8 29.8

