

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070423\
 Data File : BP015993.D
 Acq On : 05 Jul 2023 01:18
 Operator : MA/JU
 Sample : 03244-20
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 05 02:51:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	2578	20.000	ng/ul	# 0.01
20) Naphthalene-d8	10.916	136	29346	20.000	ng/ul	# 0.05
38) Acenaphthene-d10	14.710	164	18404	20.000	ng/ul	0.01
64) Phenanthrene-d10	17.475	188	34761	20.000	ng/ul	# 0.02
79) Chrysene-d12	21.563	240	26955	20.000	ng/ul	# 0.01
88) Perylene-d12	24.110	264	27158	20.000	ng/ul	# 0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.370	96	6402	89.347	ng/uL	0.00
4) Pyridine-d5	3.817	84	867	4.800	ng/ul	0.00
7) Phenol-d5	7.275	99	98481	446.469	ng/ul	0.05
9) Bis-(2-Chloroethyl)eth...	7.393	67	67917	497.684	ng/ul	0.02
11) 2-Chlorophenol-d4	7.605	132	82896	497.852	ng/ul	0.03
15) 4-Methylphenol-d8	8.869	113	71599	410.891	ng/ul	0.09
21) Nitrobenzene-d5	9.287	128	44988	200.595	ng/ul	0.05
24) 2-Nitrophenol-d4	10.028	143	19128	73.076	ng/ul	0.07
28) 2,4-Dichlorophenol-d3	10.622	165	74228	159.136	ng/ul	0.11
31) 4-Chloroaniline-d4	11.122	131	25498	42.554	ng/ul	0.09
46) Dimethylphthalate-d6	14.128	166	298749	210.019	ng/ul	0.02
49) Acenaphthylene-d8	14.410	160	326899	204.431	ng/ul	0.02
54) 4-Nitrophenol-d4	14.963	143	144	0.767	ng/ul	0.01
60) Fluorene-d10	15.710	176	241921	206.545	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.928	200	6935	32.440	ng/ul	0.07
73) Anthracene-d10	17.575	188	285604	179.872	ng/ul	0.02
81) Pyrene-d10	19.792	212	361156	205.190	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.933	264	302933	221.124	ng/ul	0.00

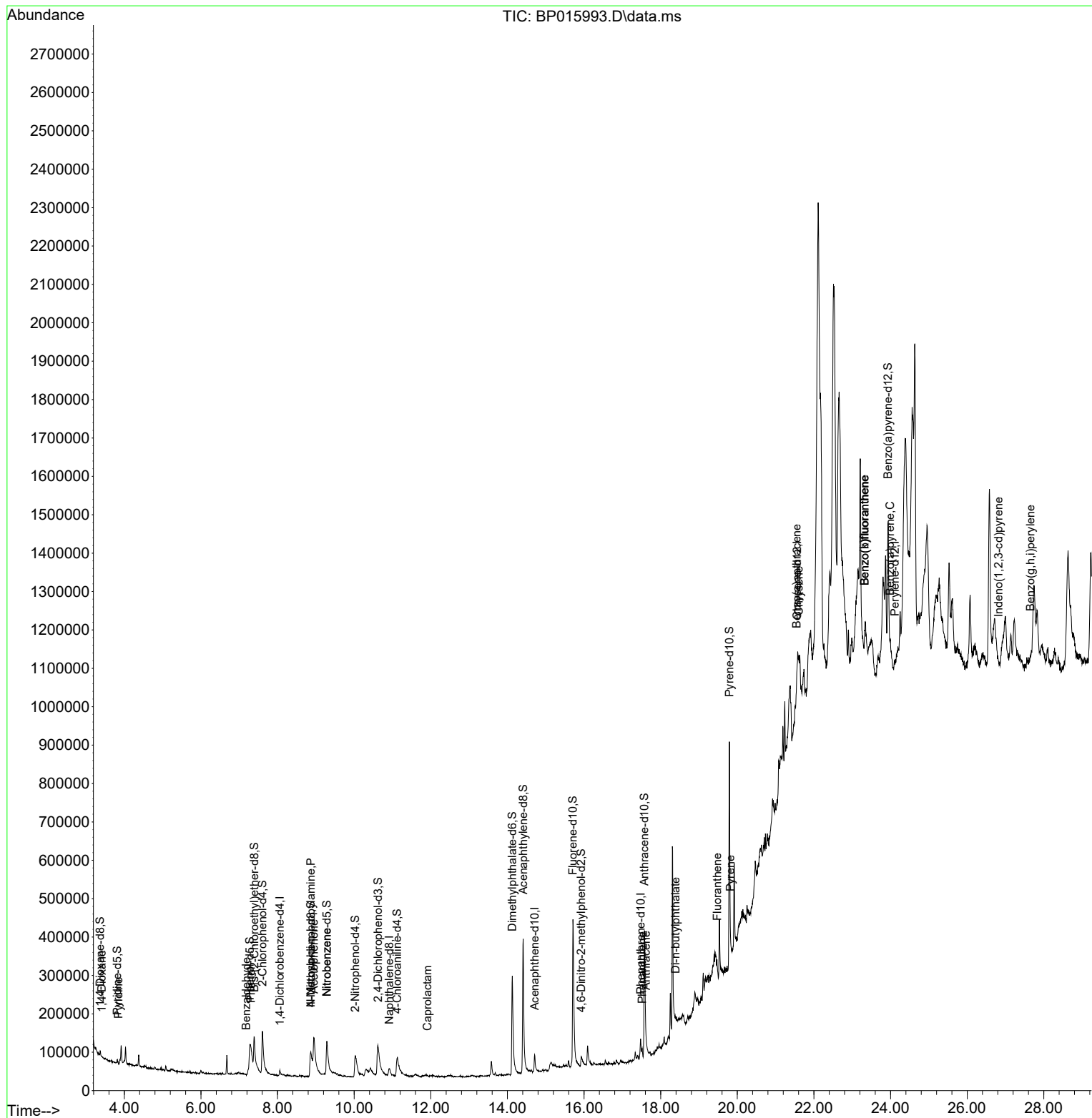
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.411	88	112	1.452	ng/ul#	14
5) Pyridine	3.846	79	255	1.350	ng/ul#	1
6) Benzaldehyde	7.181	77	146	1.637	ng/ul#	26
8) Phenol	7.305	94	13771	60.162	ng/ul	96
16) Acetophenone	8.952	105	102812	358.924	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.869	70	324	2.037	ng/ul#	1
22) Nitrobenzene	9.287	77	1452	2.305	ng/ul#	51
34) Caprolactam	11.910	113	169	1.191	ng/ul#	43
72) Phenanthrene	17.516	178	6976	3.694	ng/ul#	95
74) Anthracene	17.616	178	2431	1.281	ng/ul#	49
78) Di-n-butylphthalate	18.386	149	5153	2.430	ng/ul#	89
80) Fluoranthene	19.475	202	21815	9.973	ng/ul#	87
82) Pyrene	19.822	202	19163	8.588	ng/ul#	77
85) Benzo(a)anthracene	21.551	228	12984	6.848	ng/ul#	70
87) Chrysene	21.604	228	14775	8.213	ng/ul#	85
90) Benzo(b)fluoranthene	23.321	252	25415	14.564	ng/ul#	55
91) Benzo(k)fluoranthene	23.321	252	25415	14.415	ng/ul#	54
93) Benzo(a)pyrene	23.986	252	13247	8.688	ng/ul#	51
94) Indeno(1,2,3-cd)pyrene	26.821	276	13538	6.540	ng/ul#	69
96) Benzo(g,h,i)perylene	27.651	276	4051	2.379	ng/ul#	56

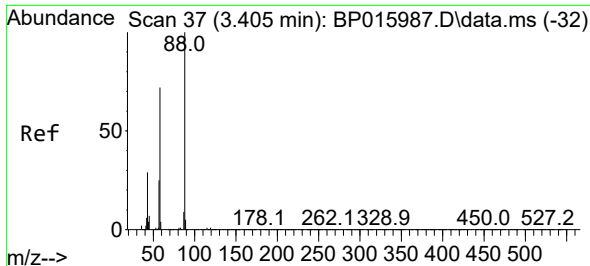
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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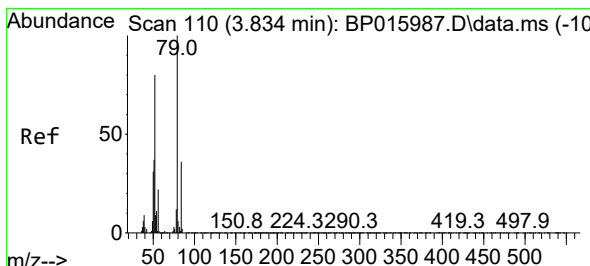
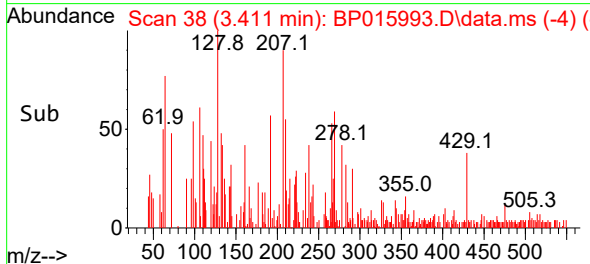
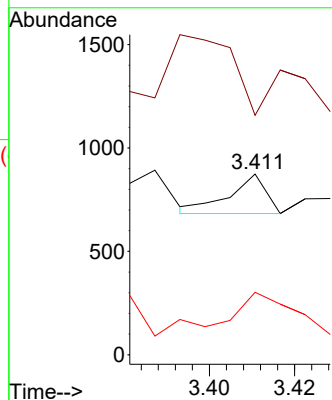
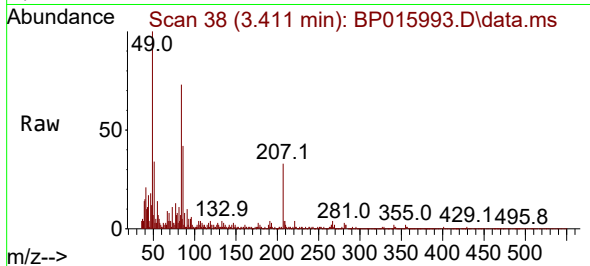




#2
1,4-Dioxane
Concen: 1.452 ng/uL
RT: 3.411 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP015993.D
Acq: 05 Jul 2023 01:18

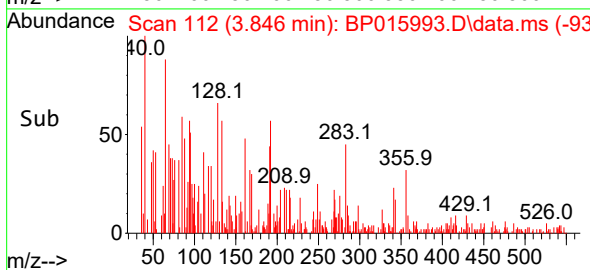
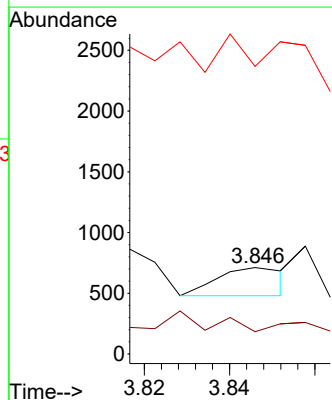
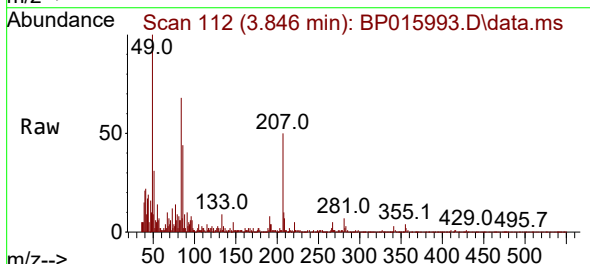
Instrument :
BNA_P
ClientSampleId :

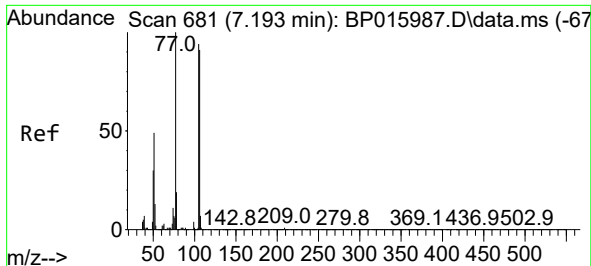
Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 132.5 27.4 41.2#
58 34.6 59.8 89.8#



#5
Pyridine
Concen: 1.350 ng/uL
RT: 3.846 min Scan# 112
Delta R.T. 0.012 min
Lab File: BP015993.D
Acq: 05 Jul 2023 01:18

Tgt Ion: 79 Resp: 255
Ion Ratio Lower Upper
79 100
52 25.7 65.5 98.3#
51 332.6 31.8 47.8#

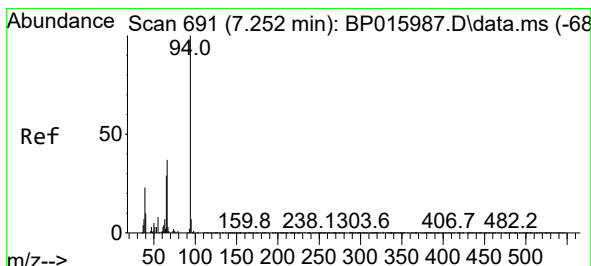
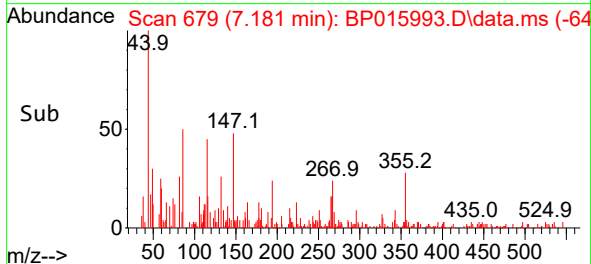
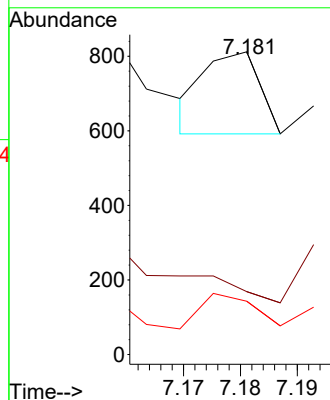
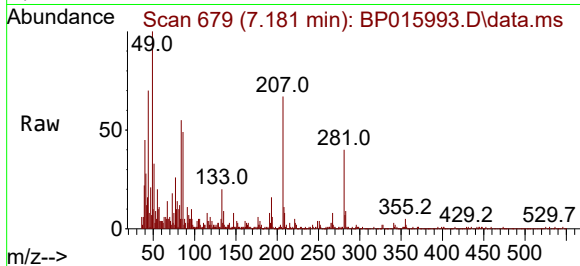




#6
Benzaldehyde
Concen: 1.637 ng/ul
RT: 7.181 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP015993.D
Acq: 05 Jul 2023 01:18

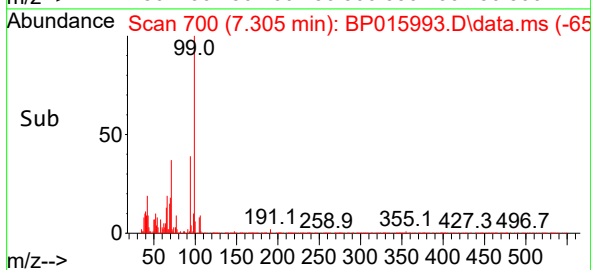
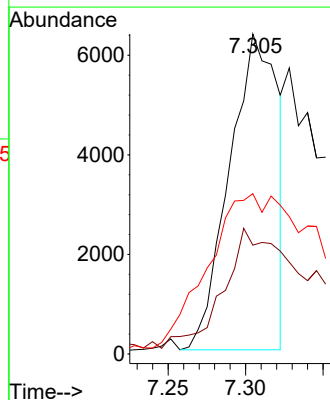
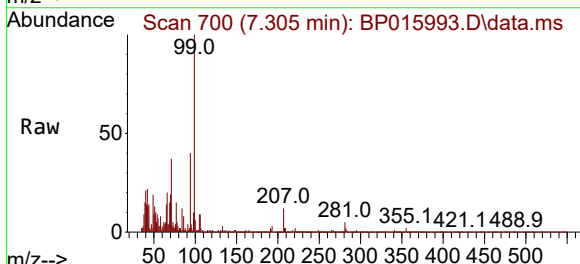
Instrument :
BNA_P
ClientSampleId :

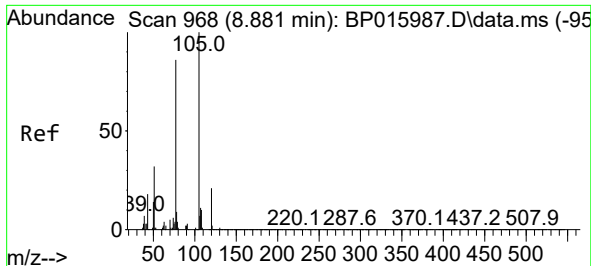
Tgt Ion: 77 Resp: 146
Ion Ratio Lower Upper
77 100
105 20.8 73.4 110.0#
106 17.6 66.6 100.0#



#8
Phenol
Concen: 60.162 ng/ul
RT: 7.305 min Scan# 700
Delta R.T. 0.053 min
Lab File: BP015993.D
Acq: 05 Jul 2023 01:18

Tgt Ion: 94 Resp: 13771
Ion Ratio Lower Upper
94 100
65 34.0 26.4 39.6
66 50.1 37.3 55.9

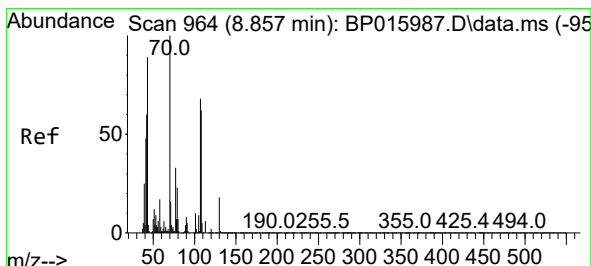
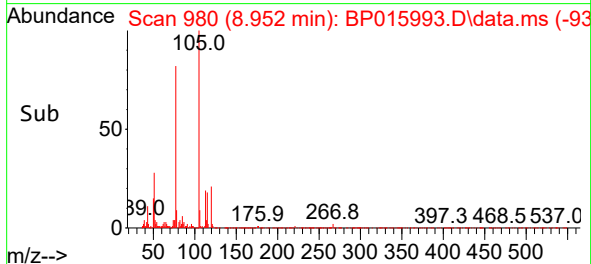
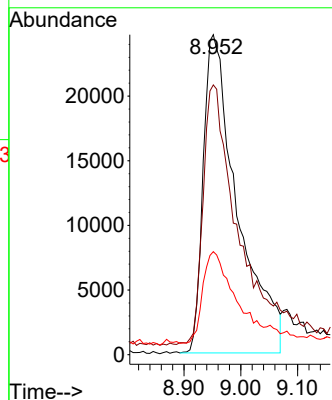
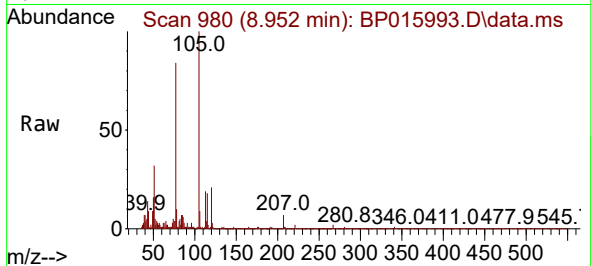




#16
Acetophenone
Concen: 358.924 ng/ul
RT: 8.952 min Scan# 91
Delta R.T. 0.065 min
Lab File: BP015993.D
Acq: 05 Jul 2023 01:18

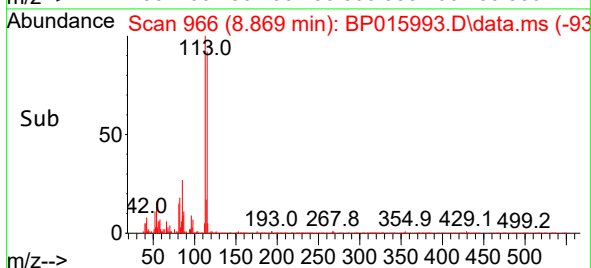
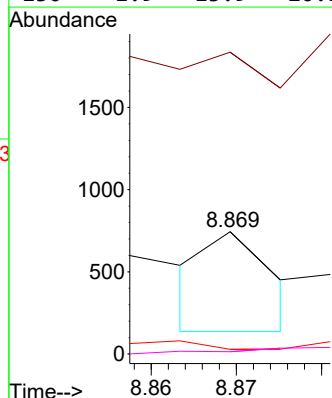
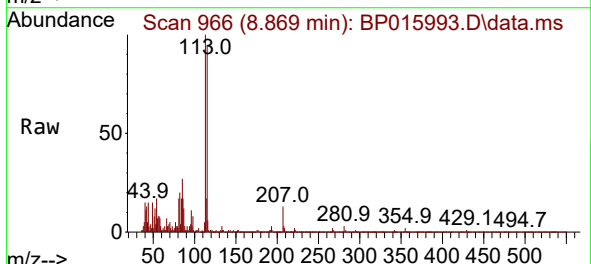
Instrument :
BNA_P
ClientSampleId :

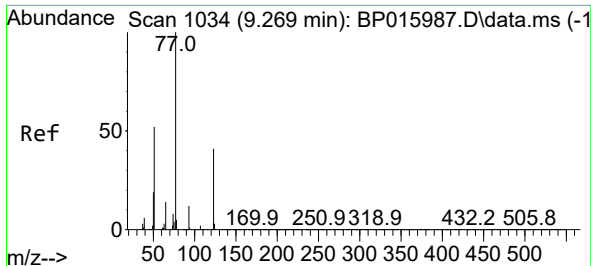
Tgt Ion:105 Resp: 102812
Ion Ratio Lower Upper
105 100
77 84.3 65.0 97.4
51 32.2 25.1 37.7



#17
N-Nitroso-di-n-propylamine
Concen: 2.037 ng/ul
RT: 8.869 min Scan# 966
Delta R.T. 0.006 min
Lab File: BP015993.D
Acq: 05 Jul 2023 01:18

Tgt Ion: 70 Resp: 324
Ion Ratio Lower Upper
70 100
42 246.8 48.2 72.2#
101 14.9 7.6 11.4#
130 1.9 13.9 20.9#

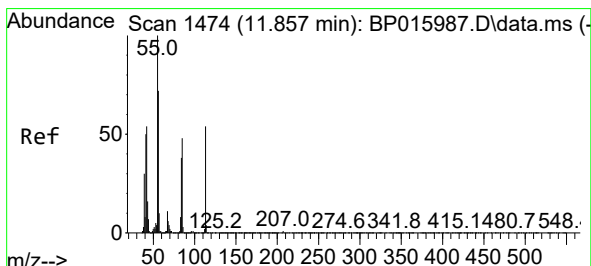
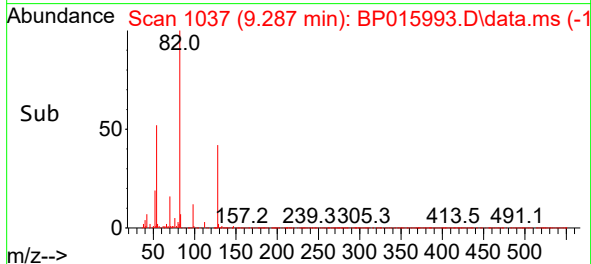
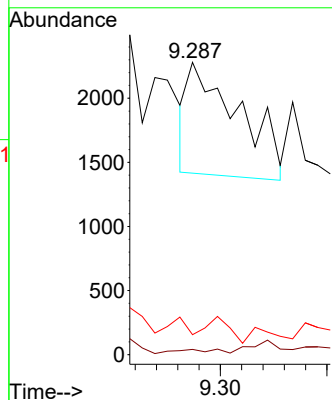
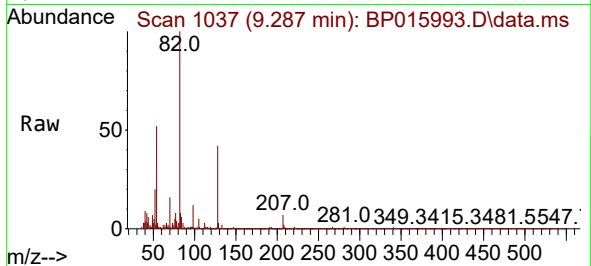




#22
Nitrobenzene
Concen: 2.305 ng/ul
RT: 9.287 min Scan# 1037
Delta R.T. 0.012 min
Lab File: BP015993.D
Acq: 05 Jul 2023 01:18

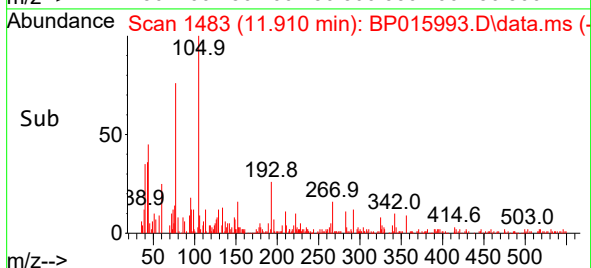
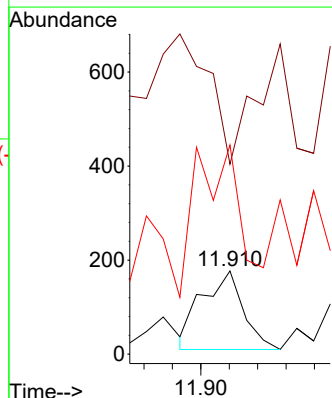
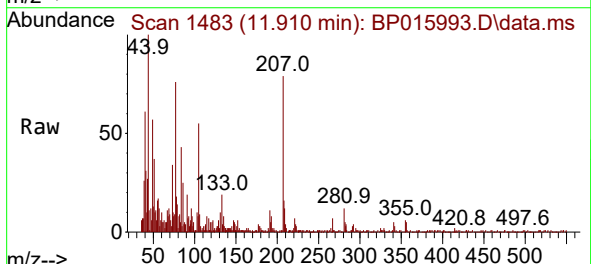
Instrument :
BNA_P
ClientSampleId :

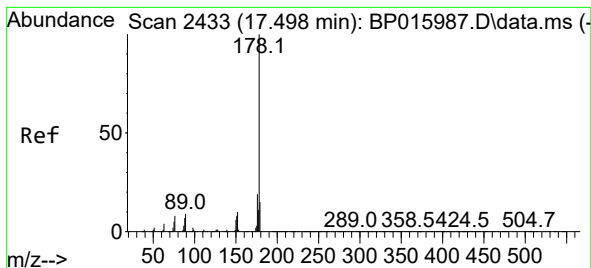
Tgt Ion: 77 Resp: 1452
Ion Ratio Lower Upper
77 100
123 1.8 31.0 46.4#
65 6.8 11.3 16.9#



#34
Caprolactam
Concen: 1.191 ng/ul
RT: 11.910 min Scan# 1483
Delta R.T. 0.053 min
Lab File: BP015993.D
Acq: 05 Jul 2023 01:18

Tgt Ion: 113 Resp: 169
Ion Ratio Lower Upper
113 100
55 228.2 142.8 214.2#
56 251.4 116.9 175.3#





#72

Phenanthrene

Concen: 3.694 ng/ul

RT: 17.516 min Scan# 2433

Delta R.T. 0.018 min

Lab File: BP015993.D

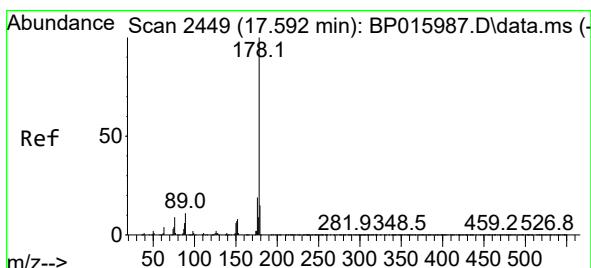
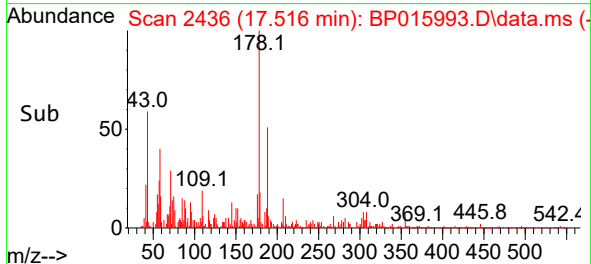
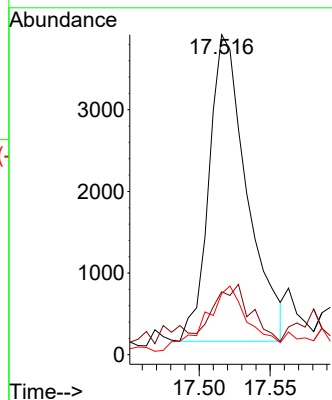
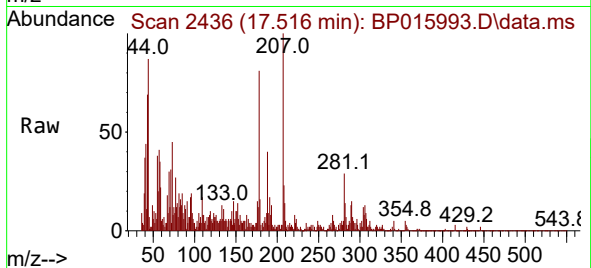
Acq: 05 Jul 2023 01:18

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:178	Resp:	6976
Ion Ratio	Lower	Upper
178	100	
179	19.7	12.4 18.6#
176	19.1	15.6 23.4



#74

Anthracene

Concen: 1.281 ng/ul

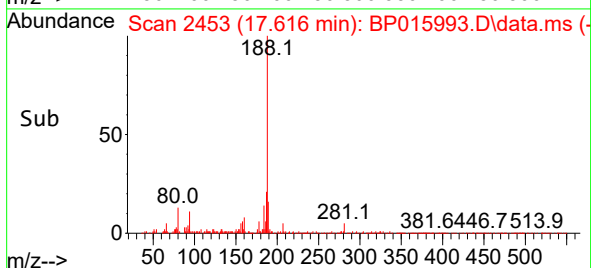
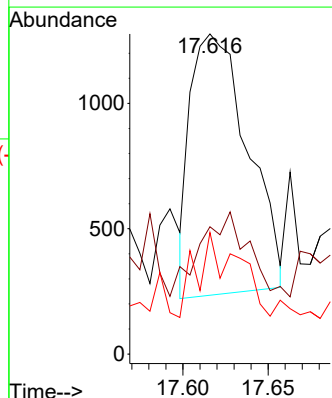
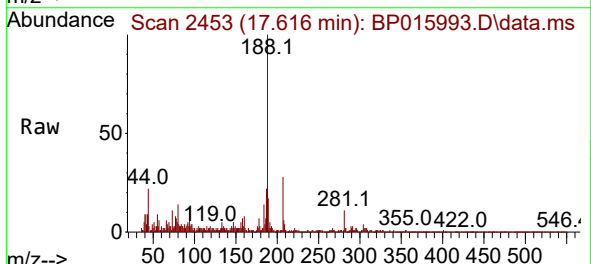
RT: 17.616 min Scan# 2453

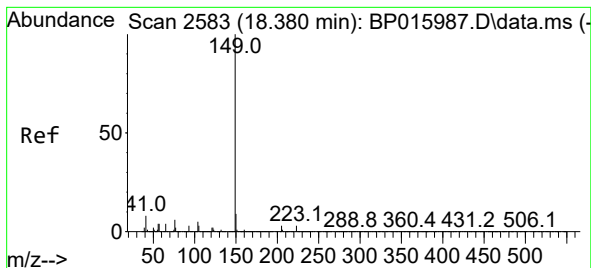
Delta R.T. 0.018 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

Tgt Ion:178	Resp:	2431
Ion Ratio	Lower	Upper
178	100	
179	39.8	12.1 18.1#
176	38.0	14.6 22.0#





#78

Di-n-butylphthalate

Concen: 2.430 ng/ul

RT: 18.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

Instrument :

BNA_P

ClientSampleId :

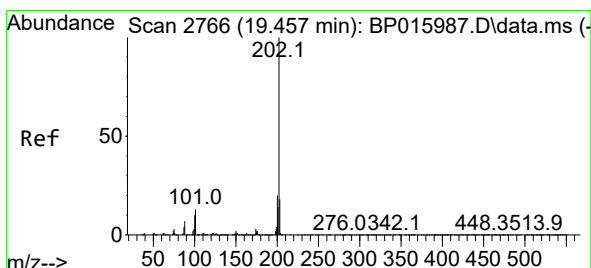
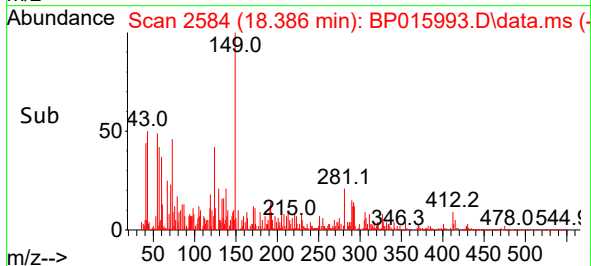
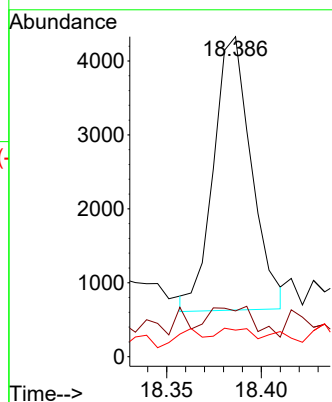
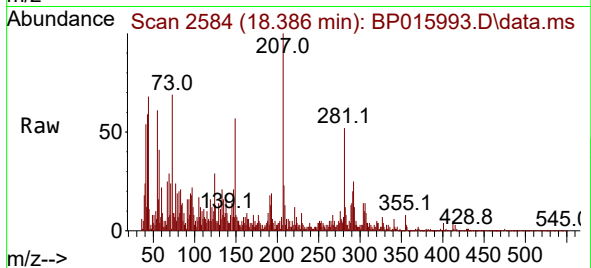
Tgt Ion:149 Resp: 5153

Ion Ratio Lower Upper

149 100

150 14.3 7.5 11.3#

104 8.3 4.6 7.0#



#80

Fluoranthene

Concen: 9.973 ng/ul

RT: 19.475 min Scan# 2769

Delta R.T. 0.012 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

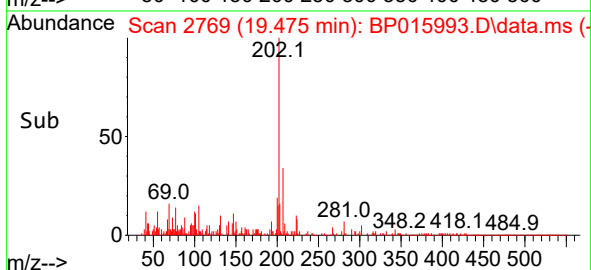
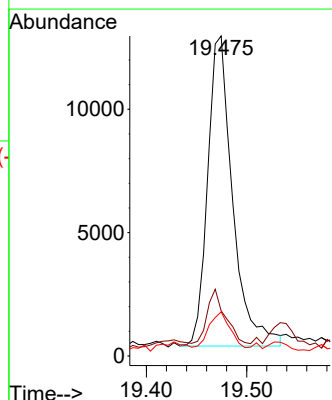
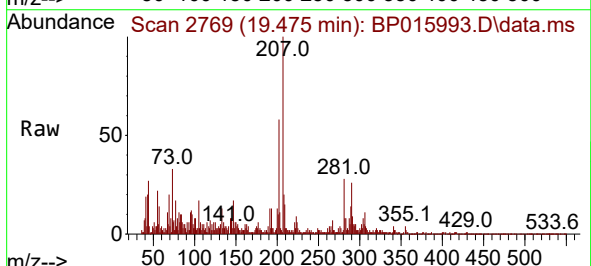
Tgt Ion:202 Resp: 21815

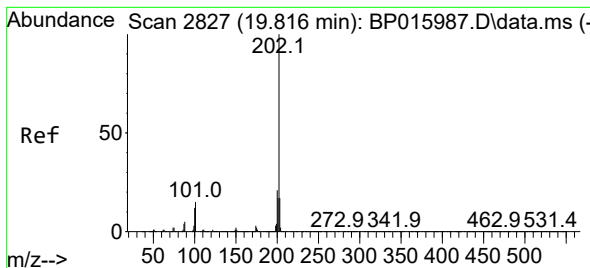
Ion Ratio Lower Upper

202 100

101 14.1 8.3 12.5#

100 13.8 6.6 9.8#





#82

Pyrene

Concen: 8.588 ng/ul

RT: 19.822 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

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BNA_P

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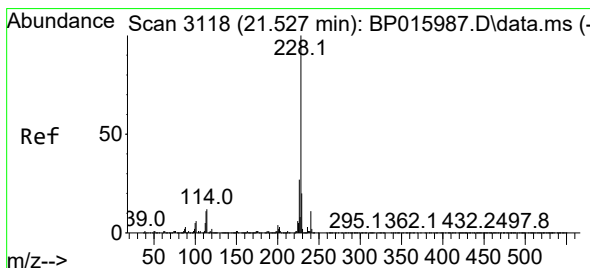
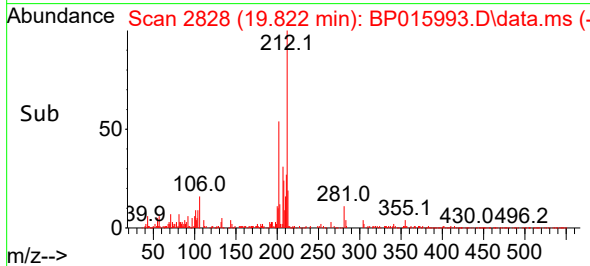
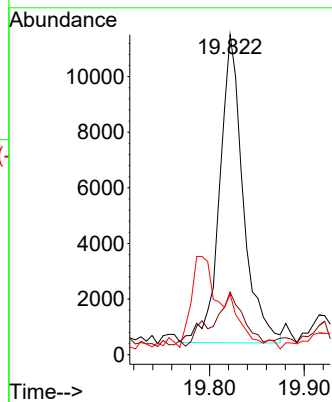
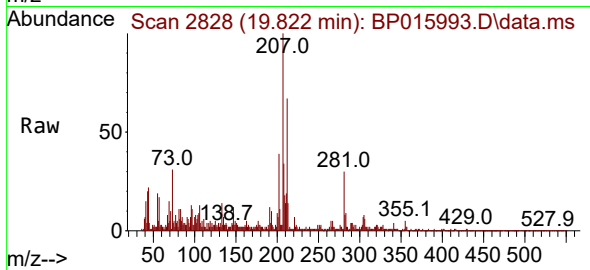
Tgt Ion:202 Resp: 19163

Ion Ratio Lower Upper

202 100

101 19.6 9.3 13.9#

100 18.9 7.6 11.4#



#85

Benzo(a)anthracene

Concen: 6.848 ng/ul

RT: 21.551 min Scan# 3122

Delta R.T. 0.018 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

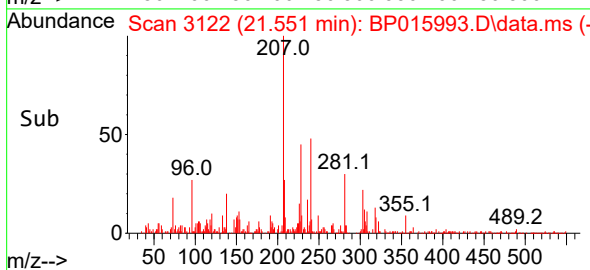
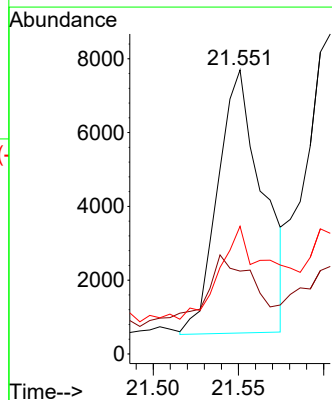
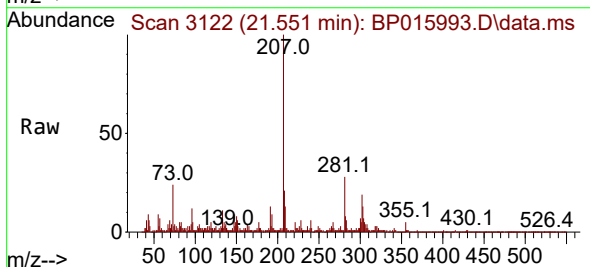
Tgt Ion:228 Resp: 12984

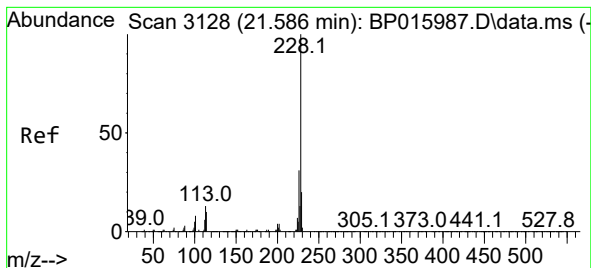
Ion Ratio Lower Upper

228 100

229 29.2 15.3 22.9#

226 45.0 21.4 32.0#





#87

Chrysene

Concen: 8.213 ng/ul

RT: 21.604 min Scan# 3128

Delta R.T. 0.018 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

Instrument :

BNA_P

ClientSampleId :

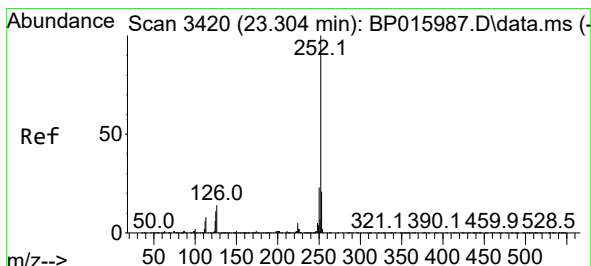
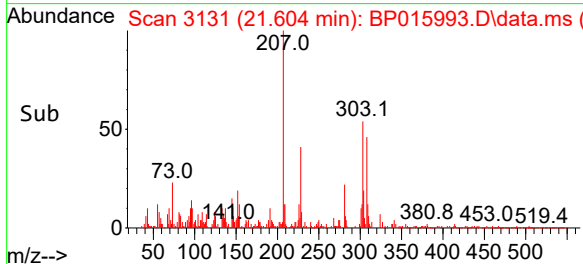
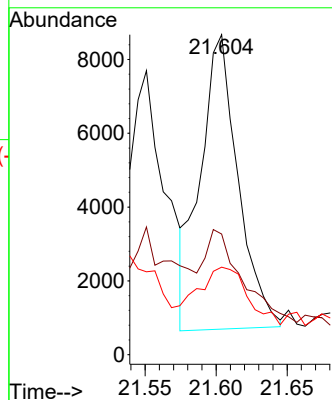
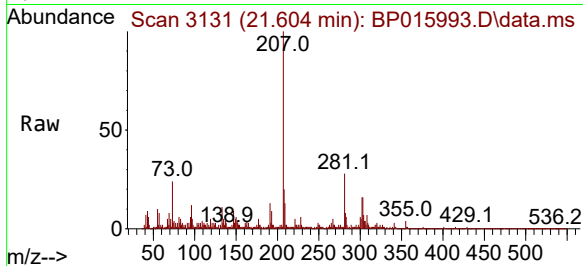
Tgt Ion:228 Resp: 14775

Ion Ratio Lower Upper

228 100

226 37.7 24.3 36.5#

229 27.4 15.5 23.3#



#90

Benzo(b)fluoranthene

Concen: 14.564 ng/ul

RT: 23.321 min Scan# 3423

Delta R.T. 0.012 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

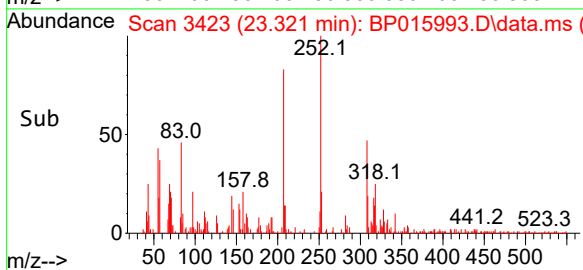
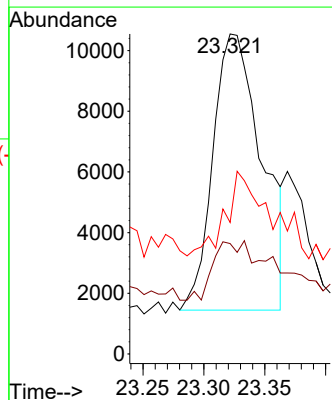
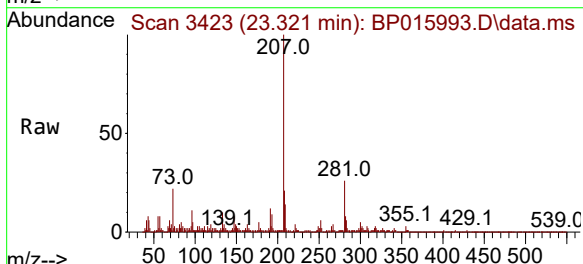
Tgt Ion:252 Resp: 25415

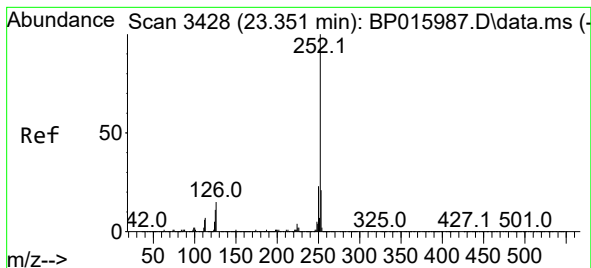
Ion Ratio Lower Upper

252 100

253 34.5 17.3 25.9#

125 41.1 7.5 11.3#





#91

Benzo(k)fluoranthene

Concen: 14.415 ng/ul

RT: 23.321 min Scan# 3428

Delta R.T. -0.035 min

Lab File: BP015993.D

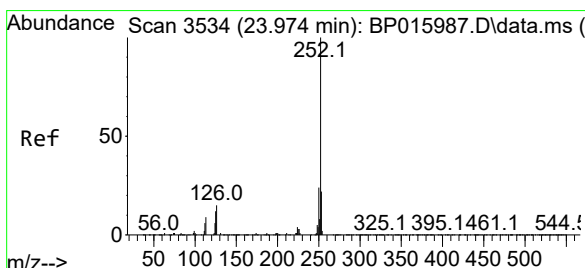
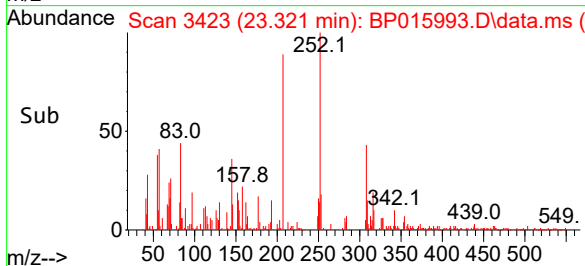
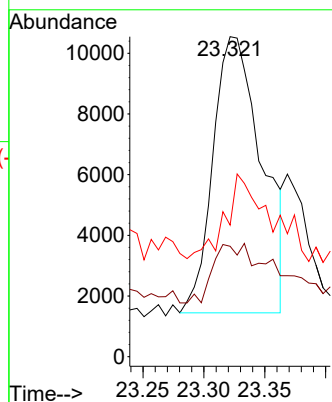
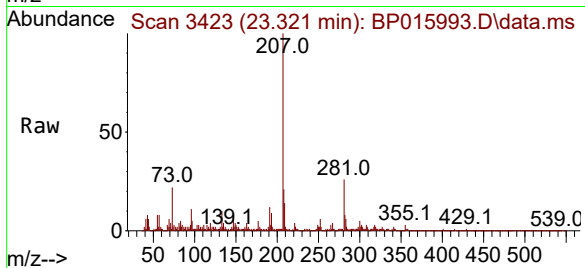
Acq: 05 Jul 2023 01:18

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:252	Resp:	25415
Ion Ratio	Lower	Upper
252	100	
253	34.5	17.0 25.4#
125	41.1	7.3 10.9#



#93

Benzo(a)pyrene

Concen: 8.688 ng/ul

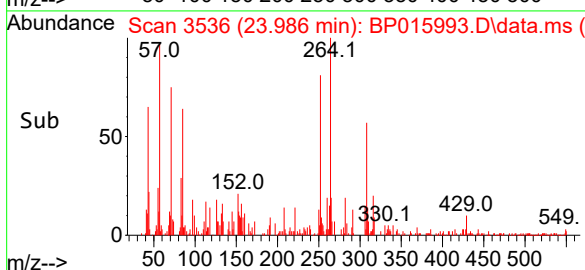
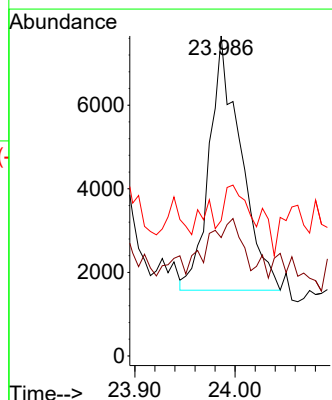
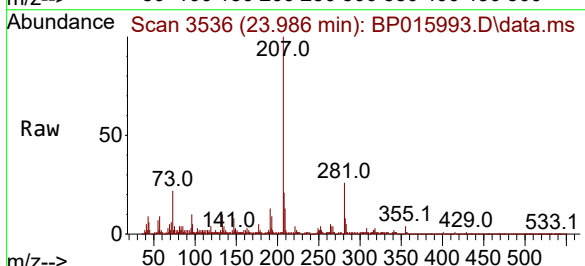
RT: 23.986 min Scan# 3536

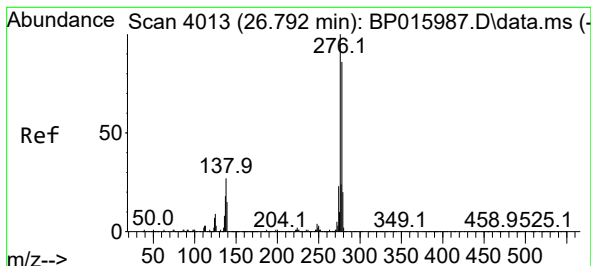
Delta R.T. 0.006 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

Tgt Ion:252	Resp:	13247
Ion Ratio	Lower	Upper
252	100	
253	37.0	17.7 26.5#
125	42.3	8.2 12.2#





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.540 ng/ul

RT: 26.821 min Scan# 4013

Delta R.T. 0.030 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

Instrument :

BNA_P

ClientSampleId :

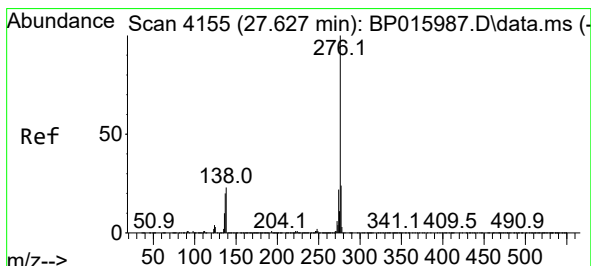
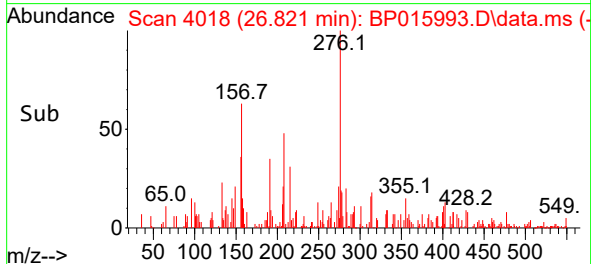
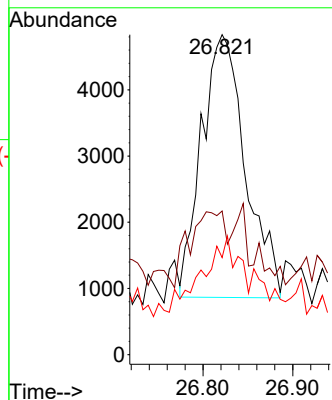
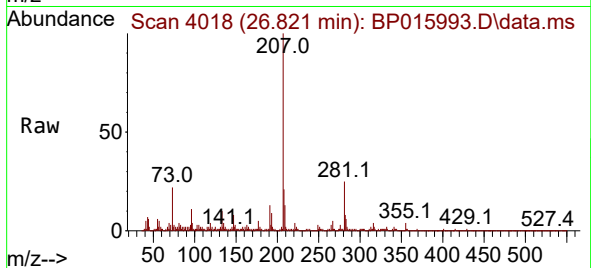
Tgt Ion:276 Resp: 13538

Ion Ratio Lower Upper

276 100

138 44.9 15.7 23.5#

277 30.3 19.6 29.4#



#96

Benzo(g,h,i)perylene

Concen: 2.379 ng/ul

RT: 27.651 min Scan# 4159

Delta R.T. 0.024 min

Lab File: BP015993.D

Acq: 05 Jul 2023 01:18

Tgt Ion:276 Resp: 4051

Ion Ratio Lower Upper

276 100

138 43.1 15.1 22.7#

277 40.8 18.8 28.2#

