

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061423\
 Data File : BP015544.D
 Acq On : 15 Jun 2023 06:38
 Operator : MA/JU
 Sample : 03088-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFQ9

Quant Time: Jun 15 07:24:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 15 05:36:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	745	20.000	ng/ul	# 0.00
20) Naphthalene-d8	10.916	136	4527	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.728	164	3806	20.000	ng/ul	# 0.00
64) Phenanthrene-d10	17.587	188	408204	20.000	ng/ul	# 0.10
79) Chrysene-d12	21.698	240	41	20.000	ng/ul	# 0.13
88) Perylene-d12	24.257	264	130	20.000	ng/ul	# 0.14
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	5760	286.300	ng/uL	0.00
4) Pyridine-d5	3.846	84	442	8.458	ng/ul	0.00
7) Phenol-d5	7.246	99	90916	1324.646	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.411	67	65142	1589.229	ng/ul	0.00
11) 2-Chlorophenol-d4	7.617	132	76929	1545.953	ng/ul	0.00
15) 4-Methylphenol-d8	8.811	113	29536	524.347	ng/ul	0.01
21) Nitrobenzene-d5	9.269	128	40862	1149.701	ng/ul	0.00
24) 2-Nitrophenol-d4	9.999	143	44893	1106.064	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.546	165	73485	992.513	ng/ul	0.01
31) 4-Chloroaniline-d4	11.075	131	40043	376.787	ng/ul	0.02
46) Dimethylphthalate-d6	14.134	166	325400	1084.210	ng/ul	0.00
49) Acenaphthylene-d8	14.428	160	334948	1020.638	ng/ul	0.00
54) 4-Nitrophenol-d4	14.910	143	33	0.614	ng/ul	-0.02
60) Fluorene-d10	15.722	176	276081	1090.852	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.981	200	508	0.196	ng/ul	0.13
73) Anthracene-d10	17.587	188	410591	22.107	ng/ul	0.00
81) Pyrene-d10	19.804	212	552049	251573.635	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.951	264	423441	64916.444	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.446	88	109	5.129	ng/uL#	24
6) Benzaldehyde	7.240	77	4083	155.638	ng/ul	92
8) Phenol	7.275	94	14322	202.265	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.493	93	108	1.929	ng/ul	97
16) Acetophenone	8.928	105	88044	979.406	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.887	70	86	1.773	ng/ul#	52
30) Naphthalene	10.963	128	1390	5.666	ng/ul#	94
34) Caprolactam	12.028	113	42	1.516	ng/ul	80
37) 1-Methylnaphthalene	12.793	142	858	4.941	ng/ul	99
45) 2-Nitroaniline	13.834	65	98	1.326	ng/ul#	40
48) 2,6-Dinitrotoluene	14.310	165	68	1.071	ng/ul#	34
50) Acenaphthylene	14.457	152	2275	6.260	ng/ul#	88
52) Acenaphthene	14.798	153	887	3.531	ng/ul#	76
56) Dibenzofuran	15.146	168	901	2.531	ng/ul	93
59) Diethylphthalate	15.545	149	1794	5.649	ng/ul#	88
61) Fluorene	15.781	166	781	2.691	ng/ul#	92
80) Fluoranthene	19.486	202	98011	36667.373	ng/ul	97
82) Pyrene	19.834	202	80138	28978.770	ng/ul	98
83) Butylbenzylphthalate	20.810	149	227	185.719	ng/ul#	80
84) 3,3'-Dichlorobenzidine	21.610	252	457	471.800	ng/ul#	50
85) Benzo(a)anthracene	21.610	228	65708	22925.010	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	21.445	149	26582	14713.642	ng/ul	99
87) Chrysene	21.610	228	62877	23208.757	ng/ul	96
89) Di-n-octyl phthalate	22.527	149	184	21.536	ng/ul	100

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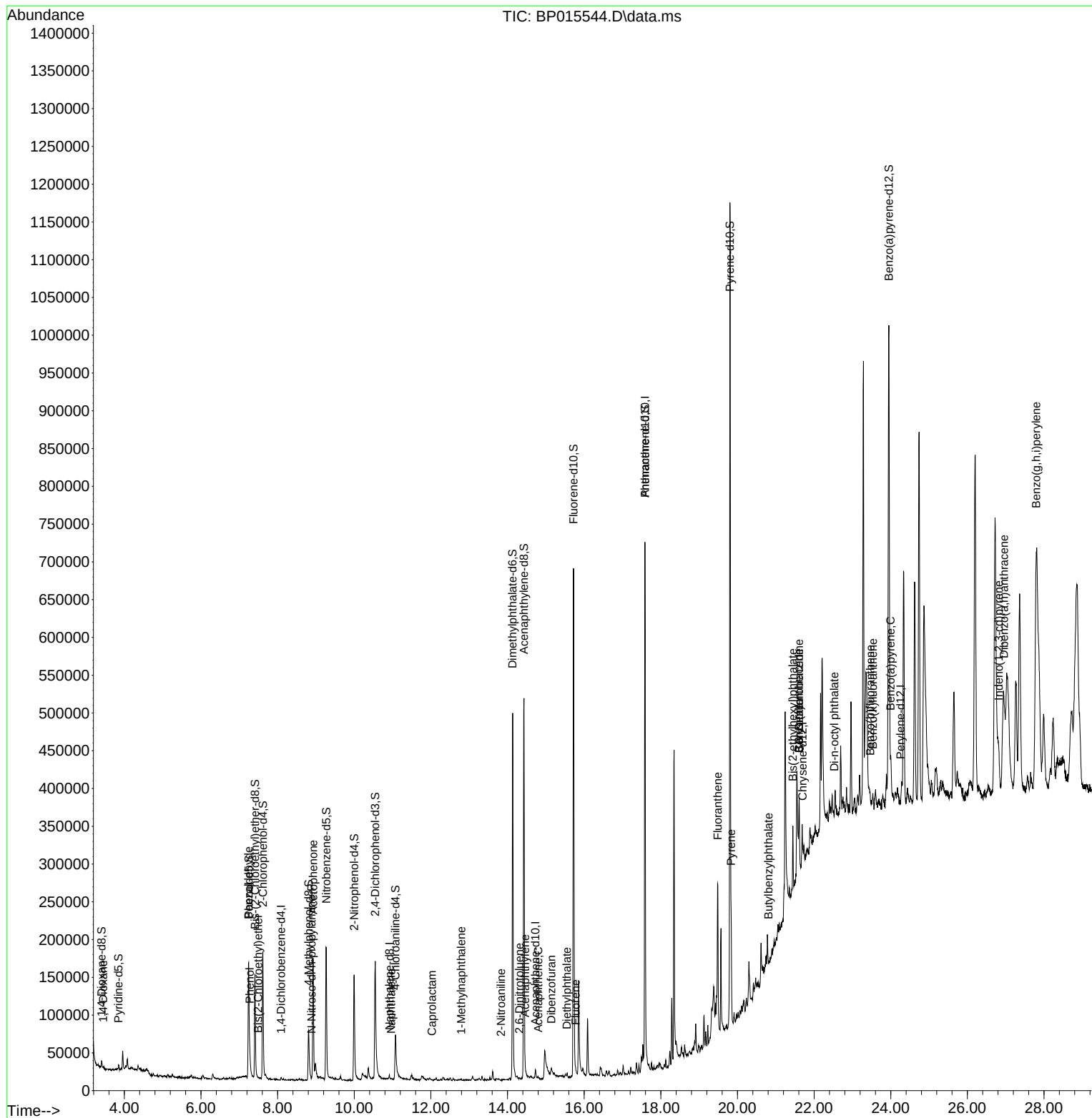
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	23.469	252	214	25.502	ng/ul#	1
91) Benzo(k)fluoranthene	23.533	252	11383	1403.279	ng/ul#	79
93) Benzo(a)pyrene	23.998	252	42772	5846.218	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.815	276	39164	4136.300	ng/ul	96
95) Dibenzo(a,h)anthracene	26.957	278	3627	470.192	ng/ul#	29
96) Benzo(g,h,i)perylene	27.798	276	281	36.012	ng/ul#	1

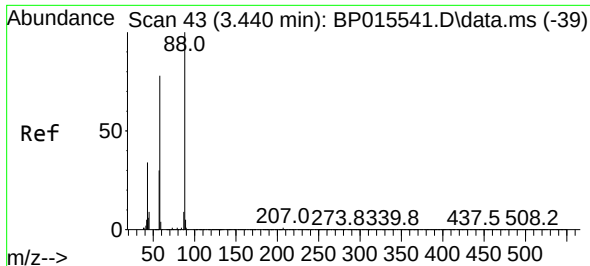
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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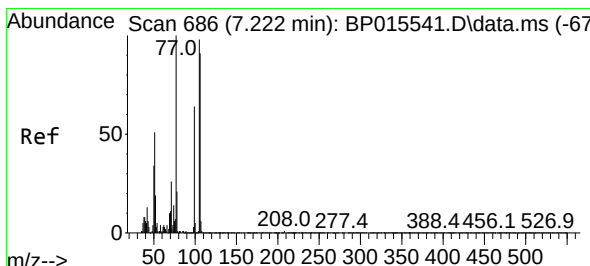
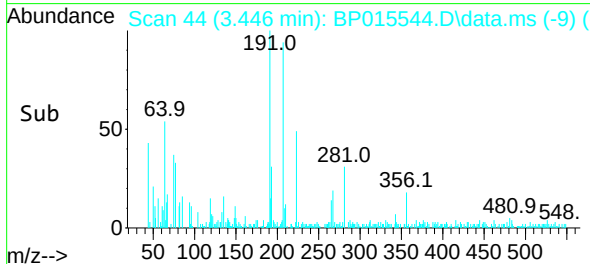
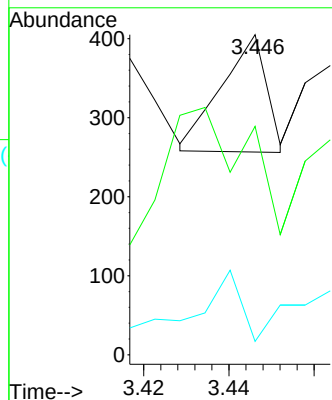
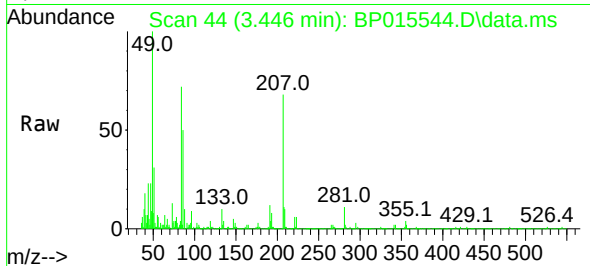




#2
1,4-Dioxane
Concen: 5.129 ng/uL
RT: 3.446 min Scan# 44
Delta R.T. 0.006 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

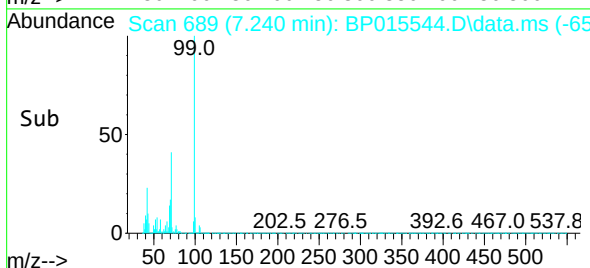
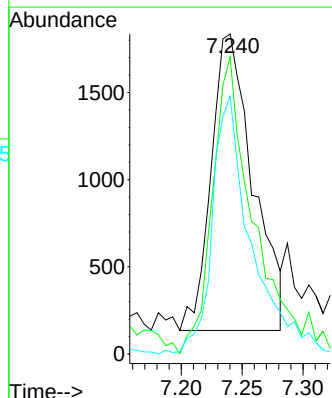
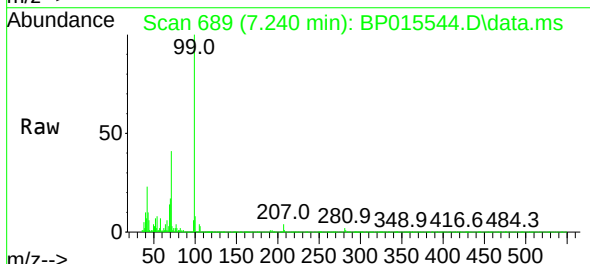
Instrument :
BNA_P
ClientSampleId :
DCFQ9

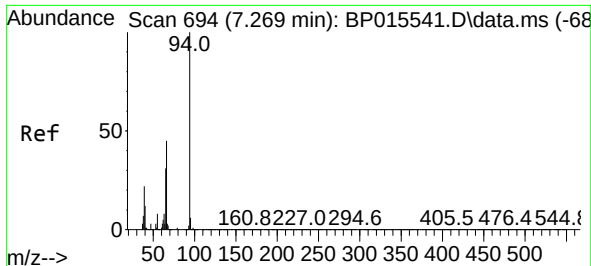
Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 70.1 23.9 35.9#
58 4.1 51.4 77.2#



#6
Benzaldehyde
Concen: 155.638 ng/uL
RT: 7.240 min Scan# 689
Delta R.T. 0.018 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

Tgt Ion: 77 Resp: 4083
Ion Ratio Lower Upper
77 100
105 92.9 77.3 115.9
106 80.7 73.3 109.9

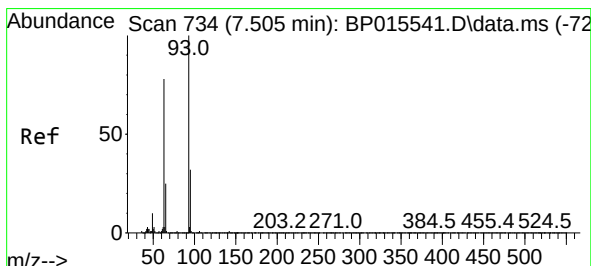
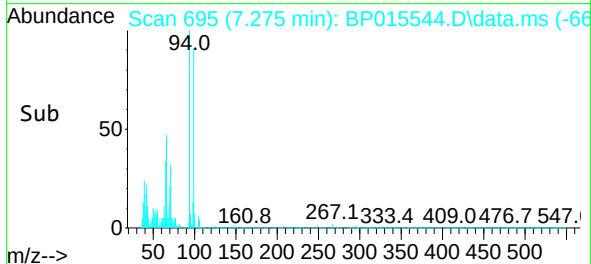
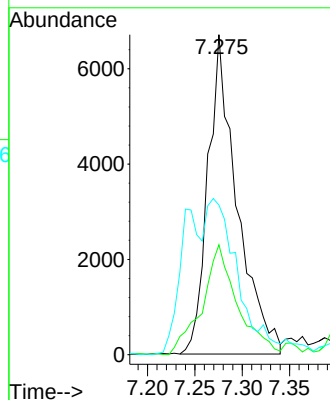
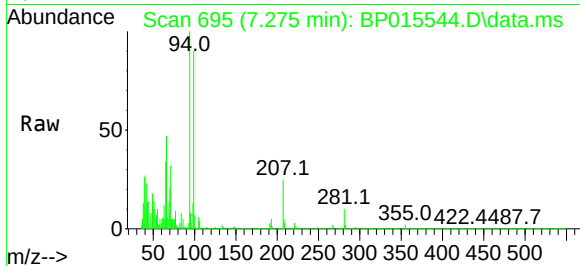




#8
Phenol
Concen: 202.265 ng/ul
RT: 7.275 min Scan# 694
Delta R.T. 0.006 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

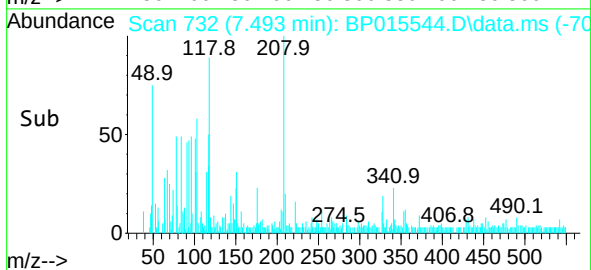
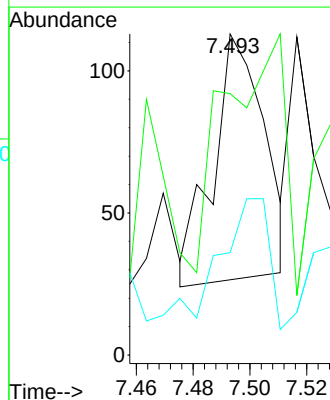
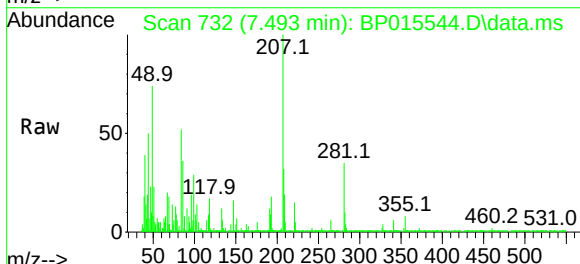
Instrument :
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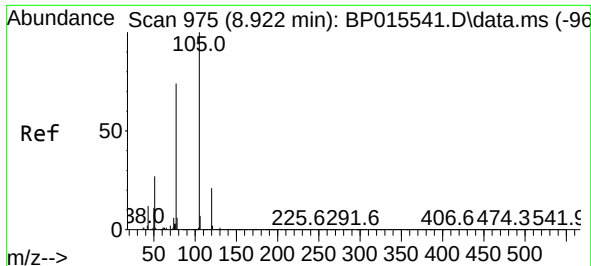
Tgt Ion:	94	Resp:	14322
Ion	Ratio	Lower	Upper
94	100		
65	34.3	23.5	35.3
66	46.7	34.2	51.4



#10
Bis(2-Chloroethyl)ether
Concen: 1.929 ng/ul
RT: 7.493 min Scan# 732
Delta R.T. -0.012 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

Tgt Ion:	93	Resp:	108
Ion	Ratio	Lower	Upper
93	100		
63	81.4	62.6	93.8
95	31.9	25.5	38.3

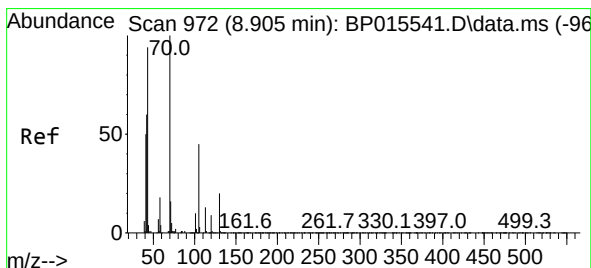
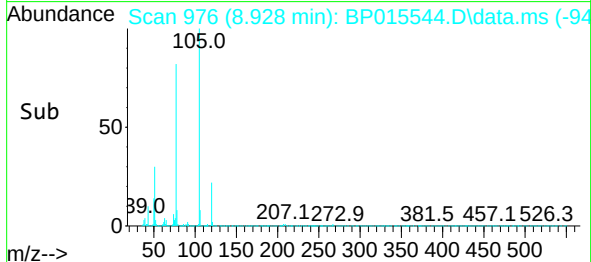
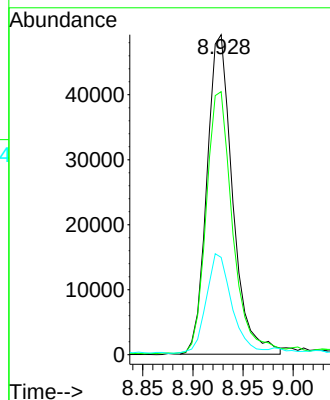
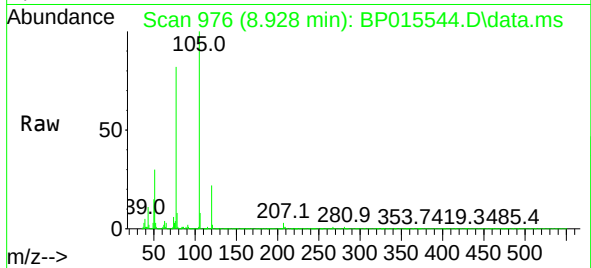




#16
Acetophenone
Concen: 979.406 ng/ul
RT: 8.928 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

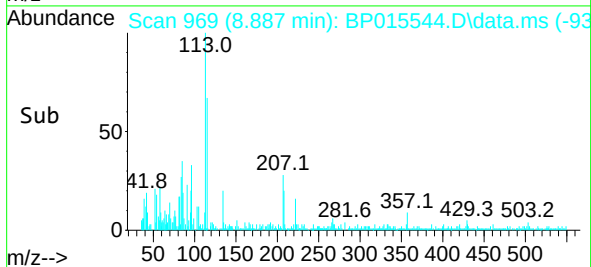
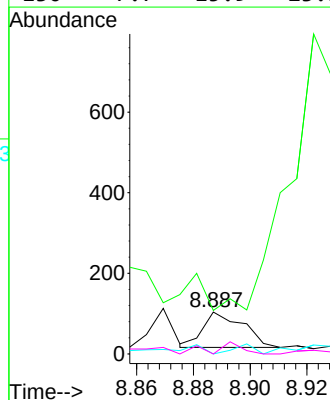
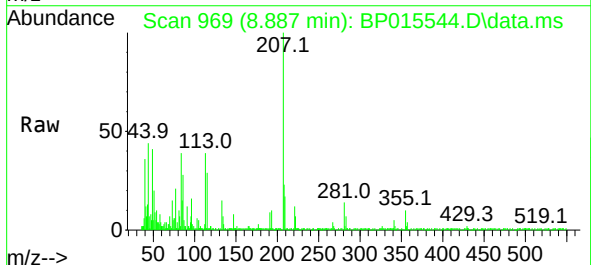
Instrument :
BNA_P
ClientSampleId :
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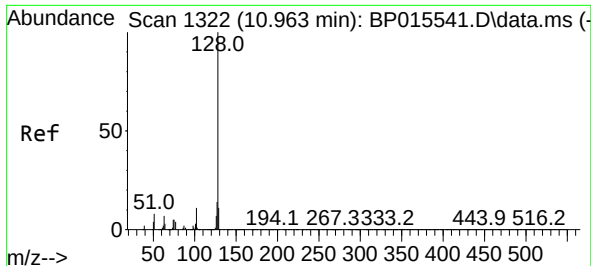
Tgt Ion:105 Resp: 88044
Ion Ratio Lower Upper
105 100
77 82.2 64.9 97.3
51 30.4 23.5 35.3



#17
N-Nitroso-di-n-propylamine
Concen: 1.773 ng/ul
RT: 8.887 min Scan# 969
Delta R.T. -0.018 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

Tgt Ion: 70 Resp: 86
Ion Ratio Lower Upper
70 100
42 103.8 46.6 69.8#
101 13.5 7.8 11.6#
130 7.7 15.9 23.9#

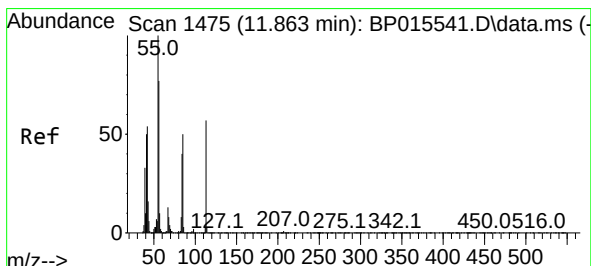
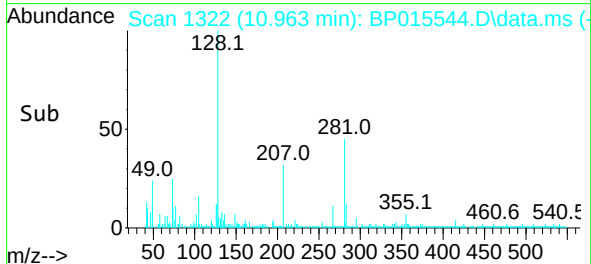
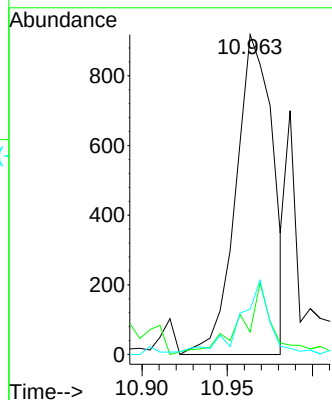
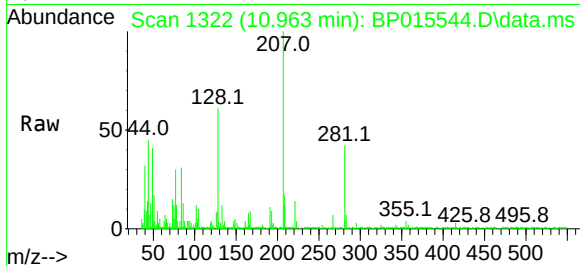




#30
Naphthalene
Concen: 5.666 ng/ul
RT: 10.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

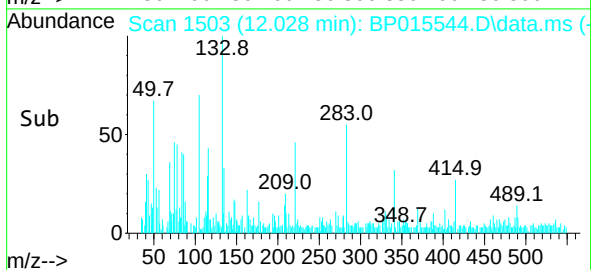
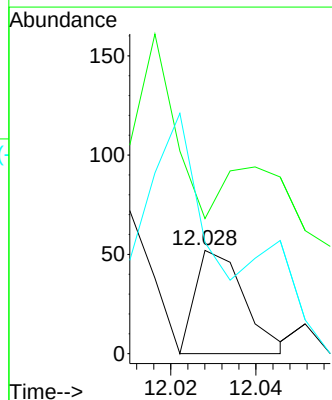
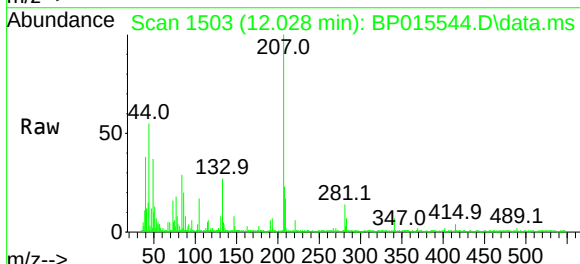
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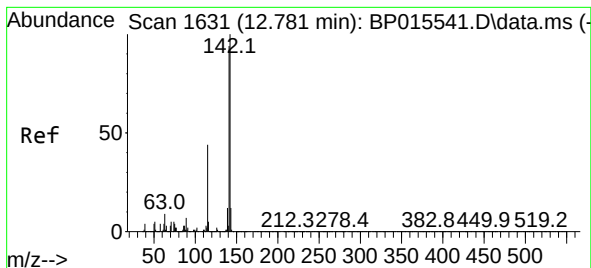
Tgt Ion:128 Resp: 1390
Ion Ratio Lower Upper
128 100
129 7.1 8.6 13.0#
127 14.2 10.5 15.7



#34
Caprolactam
Concen: 1.516 ng/ul
RT: 12.028 min Scan# 1503
Delta R.T. 0.165 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

Tgt Ion:113 Resp: 42
Ion Ratio Lower Upper
113 100
55 130.8 127.9 191.9
56 107.7 101.1 151.7





#37

1-Methylnaphthalene

Concen: 4.941 ng/ul

RT: 12.793 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

Instrument :

BNA_P

ClientSampleId :

DCFQ9

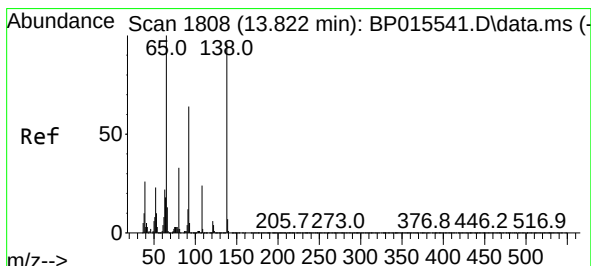
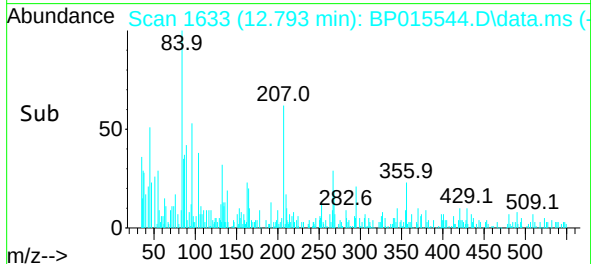
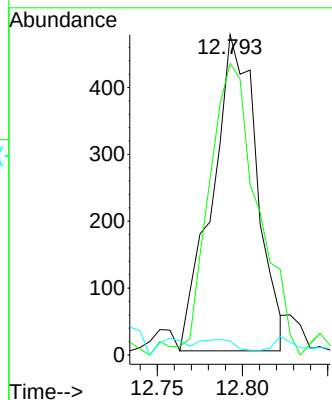
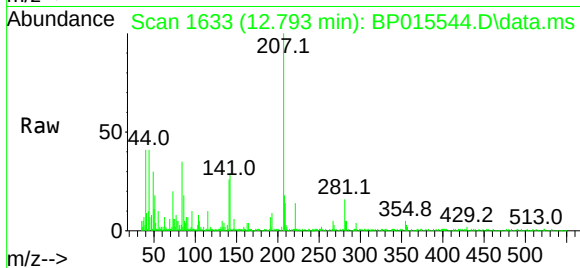
Tgt Ion:142 Resp: 858

Ion Ratio Lower Upper

142 100

141 91.0 71.9 107.9

116 4.4 3.4 5.2



#45

2-Nitroaniline

Concen: 1.326 ng/ul

RT: 13.834 min Scan# 1810

Delta R.T. 0.012 min

Lab File: BP015544.D

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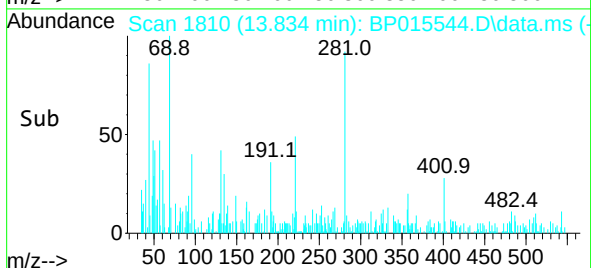
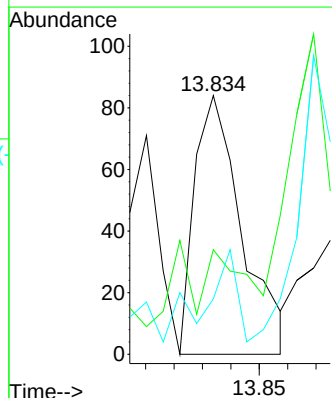
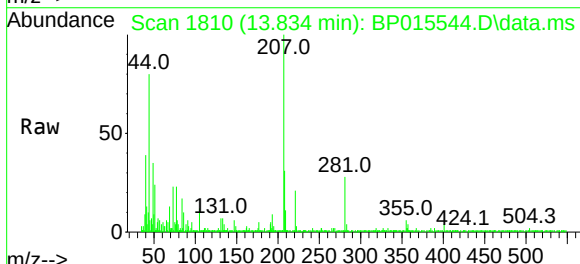
Tgt Ion: 65 Resp: 98

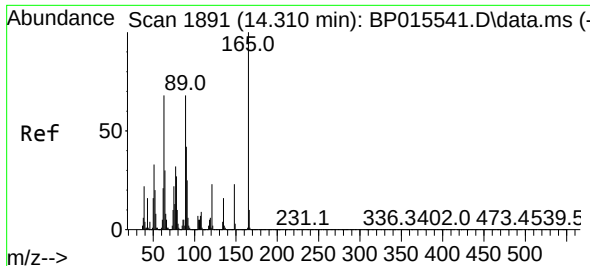
Ion Ratio Lower Upper

65 100

92 40.5 55.4 83.2#

138 21.4 78.8 118.2#

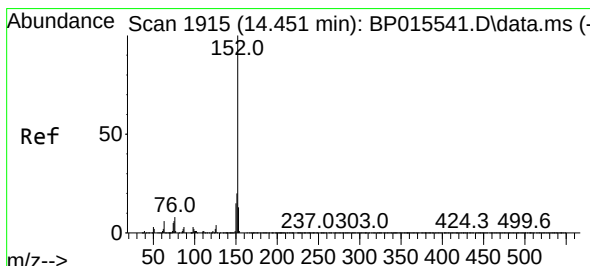
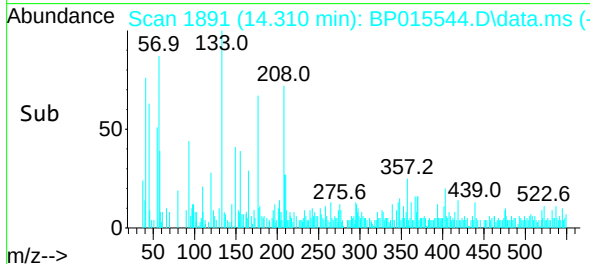
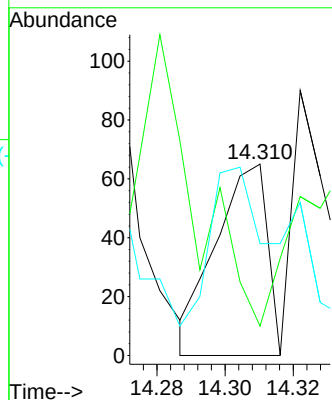
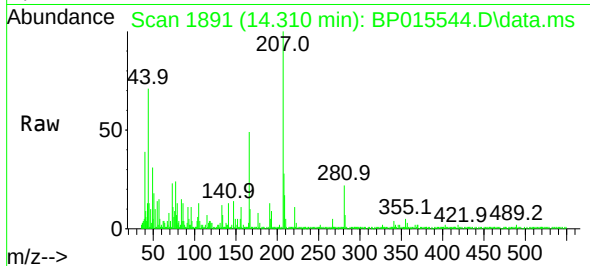




#48
2,6-Dinitrotoluene
Concen: 1.071 ng/ul
RT: 14.310 min Scan# 1891
Delta R.T. 0.000 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

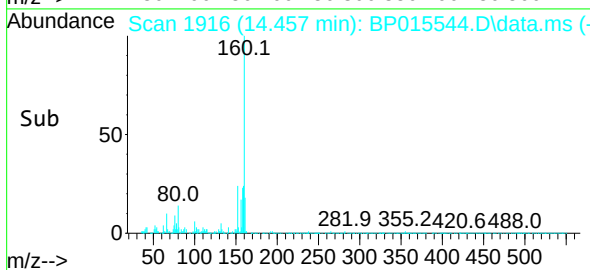
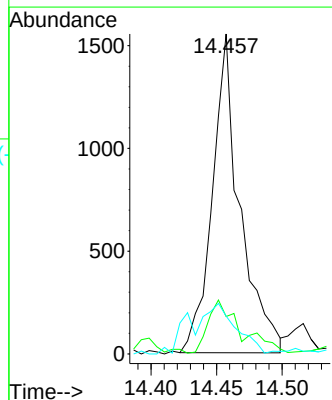
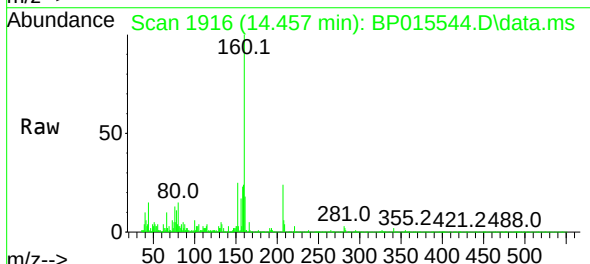
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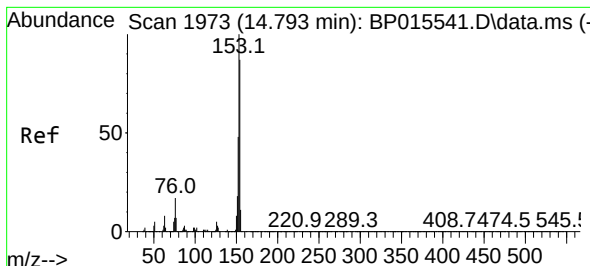
Tgt Ion:165 Resp: 68
Ion Ratio Lower Upper
165 100
89 15.4 51.5 77.3#
121 58.5 17.3 25.9#



#50
Acenaphthylene
Concen: 6.260 ng/ul
RT: 14.457 min Scan# 1916
Delta R.T. 0.006 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

Tgt Ion:152 Resp: 2275
Ion Ratio Lower Upper
152 100
151 11.7 16.0 24.0#
153 11.8 10.6 15.8





#52

Acenaphthene

Concen: 3.531 ng/ul

RT: 14.798 min Scan# 1973

Delta R.T. 0.006 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

Instrument :

BNA_P

ClientSampleId :

DCFQ9

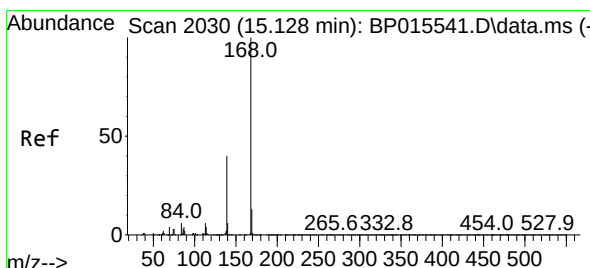
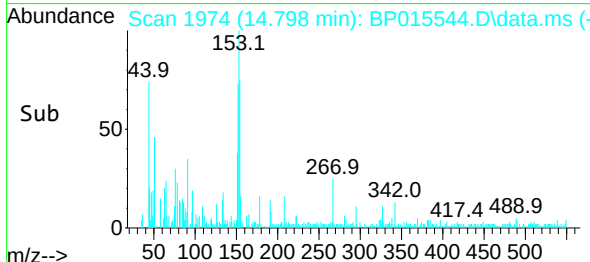
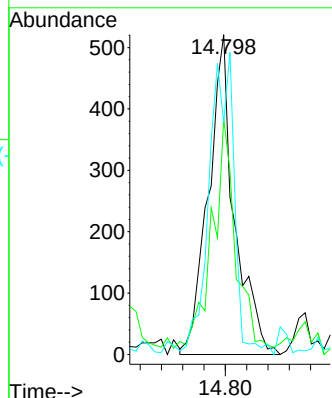
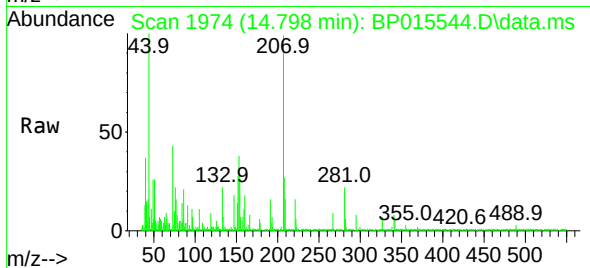
Tgt Ion:153 Resp: 887

Ion Ratio Lower Upper

153 100

152 73.7 38.3 57.5#

154 72.6 69.8 104.6



#56

Dibenzofuran

Concen: 2.531 ng/ul

RT: 15.146 min Scan# 2033

Delta R.T. 0.018 min

Lab File: BP015544.D

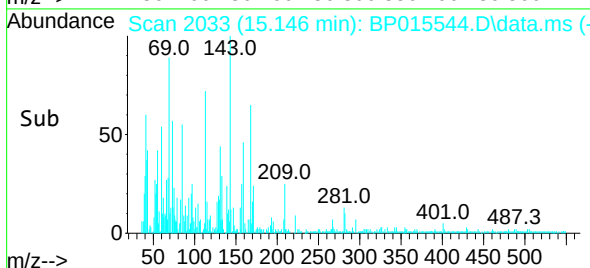
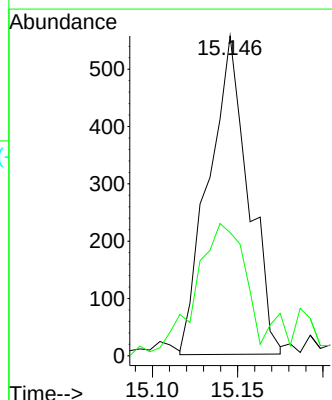
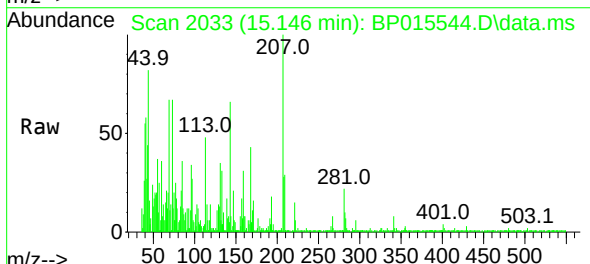
Acq: 15 Jun 2023 06:38

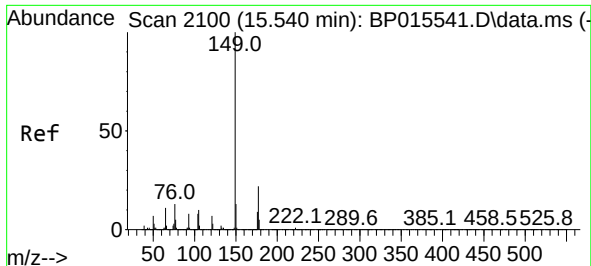
Tgt Ion:168 Resp: 901

Ion Ratio Lower Upper

168 100

139 34.6 31.2 46.8

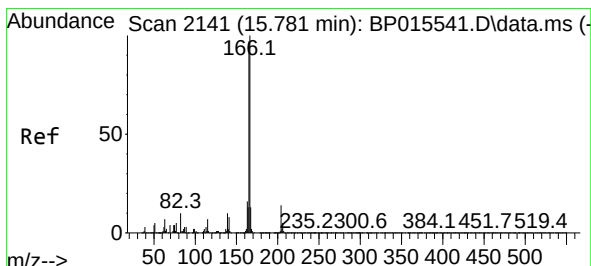
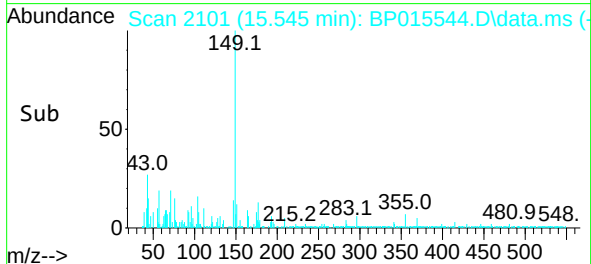
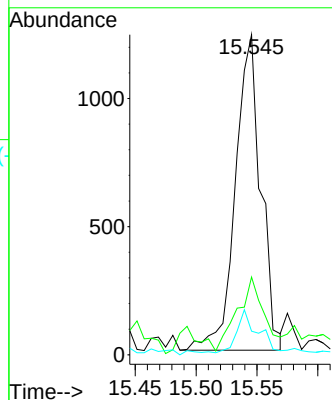
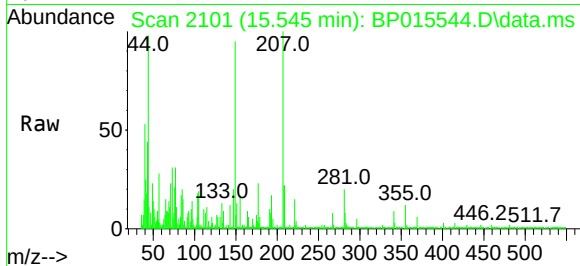




#59
Diethylphthalate
Concen: 5.649 ng/ul
RT: 15.545 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

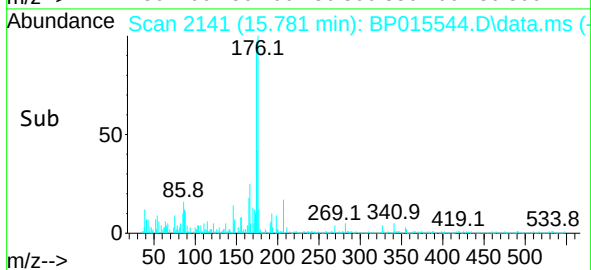
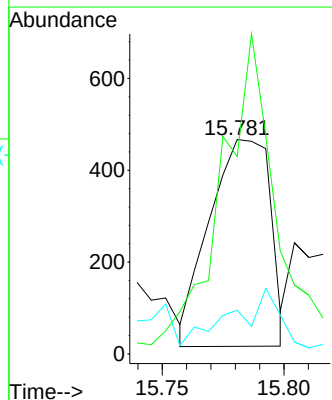
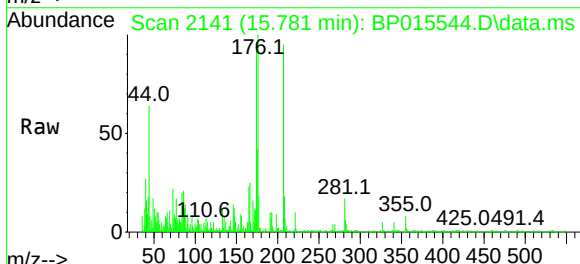
Instrument :
BNA_P
ClientSampleId :
DCFQ9

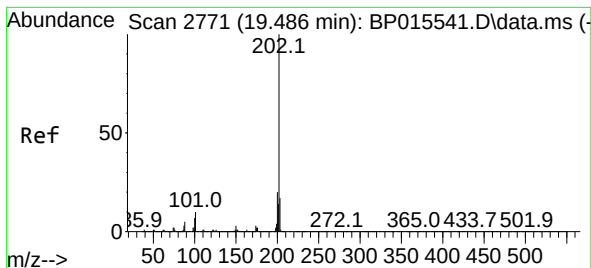
Tgt Ion:149 Resp: 1794
Ion Ratio Lower Upper
149 100
177 27.9 17.8 26.8#
150 7.4 10.1 15.1#



#61
Fluorene
Concen: 2.691 ng/ul
RT: 15.781 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

Tgt Ion:166 Resp: 781
Ion Ratio Lower Upper
166 100
165 92.1 79.1 118.7
167 20.3 10.6 16.0#





#80

Fluoranthene

Concen: 36667.373 ng/u1

RT: 19.486 min Scan# 2771

Delta R.T. 0.000 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

Instrument :

BNA_P

ClientSampleId :

DCFQ9

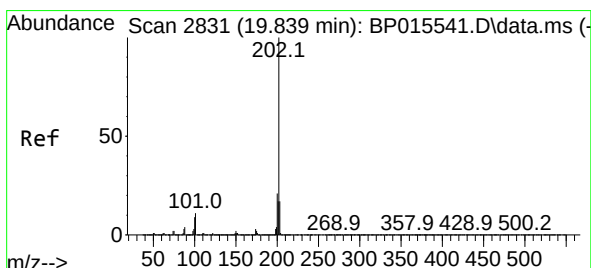
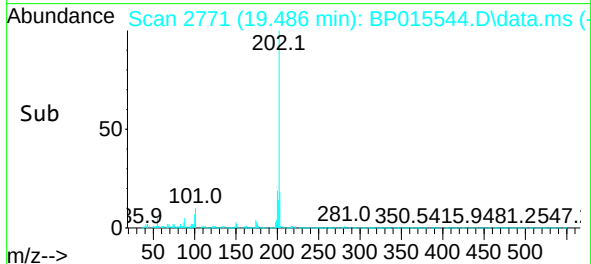
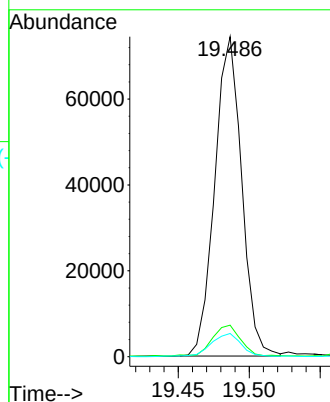
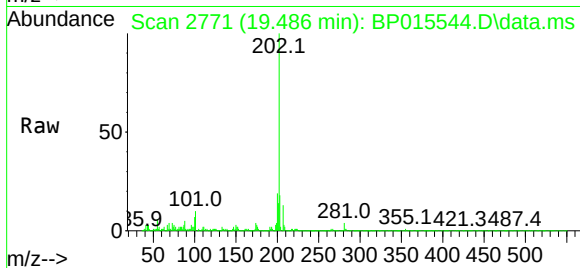
Tgt Ion:202 Resp: 98011

Ion Ratio Lower Upper

202 100

101 9.8 8.6 13.0

100 7.2 6.6 9.8



#82

Pyrene

Concen: 28978.770 ng/u1

RT: 19.834 min Scan# 2830

Delta R.T. -0.006 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

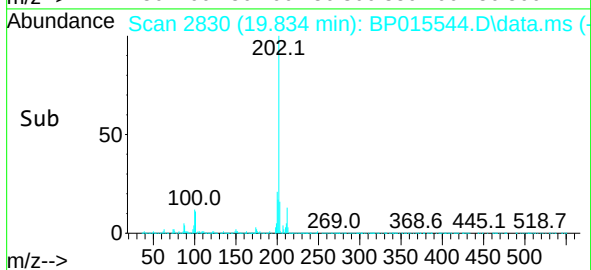
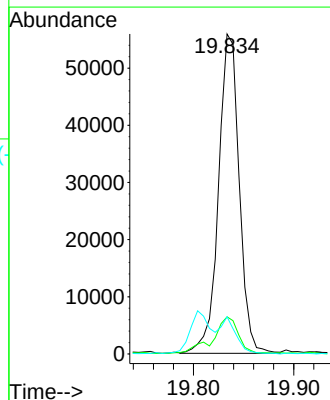
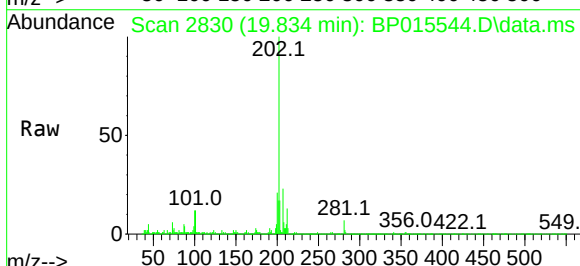
Tgt Ion:202 Resp: 80138

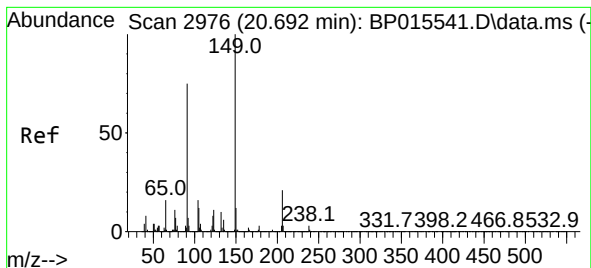
Ion Ratio Lower Upper

202 100

101 11.6 9.9 14.9

100 11.6 8.4 12.6





#83

Butylbenzylphthalate

Concen: 185.719 ng/ul

RT: 20.810 min Scan# 2976

Delta R.T. 0.118 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

Instrument :

BNA_P

ClientSampleId :

DCFQ9

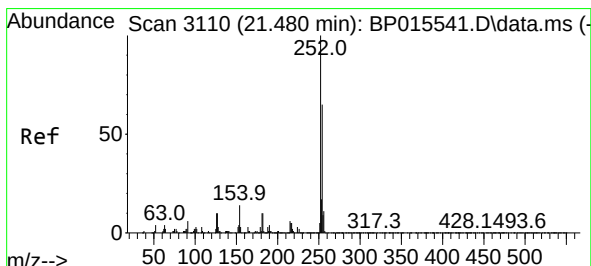
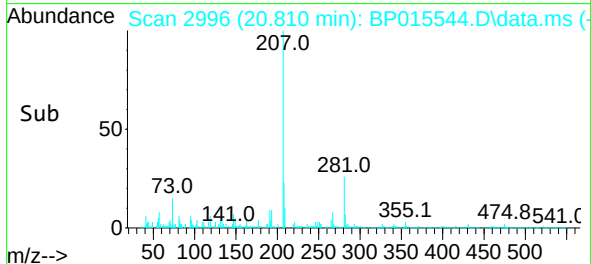
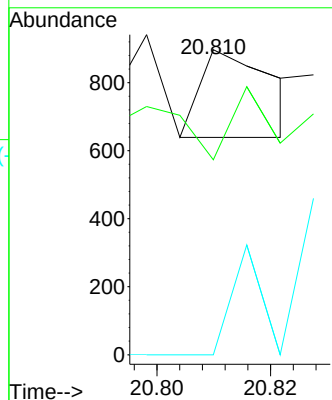
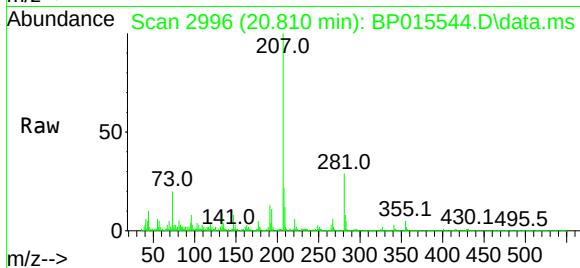
Tgt Ion:149 Resp: 227

Ion Ratio Lower Upper

149 100

91 63.9 60.4 90.6

206 0.0 16.4 24.6#



#84

3,3'-Dichlorobenzidine

Concen: 471.800 ng/ul

RT: 21.610 min Scan# 3132

Delta R.T. 0.129 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

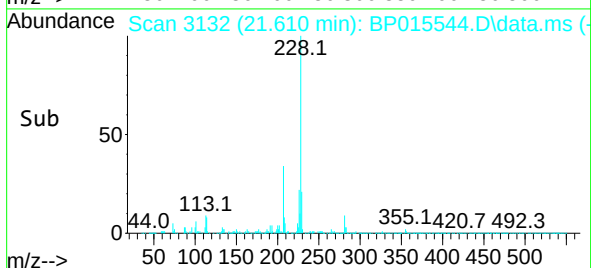
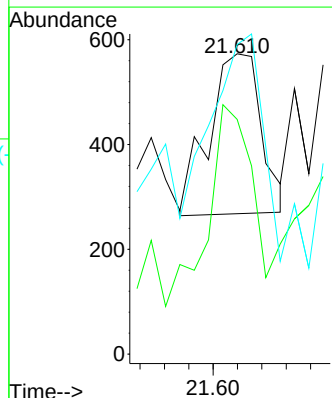
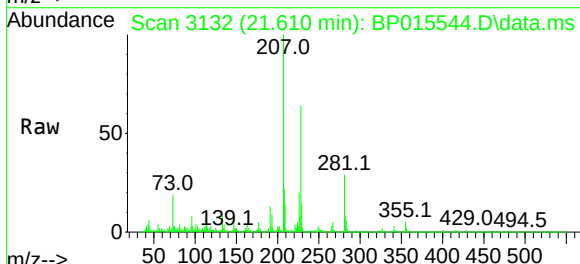
Tgt Ion:252 Resp: 457

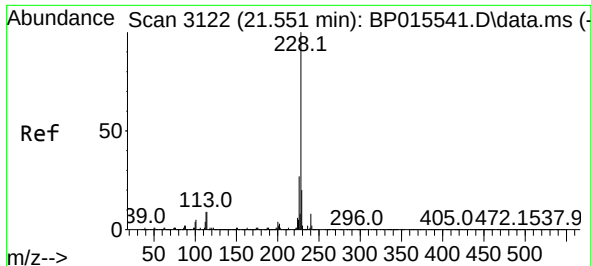
Ion Ratio Lower Upper

252 100

254 78.2 51.6 77.4#

126 103.1 8.5 12.7#

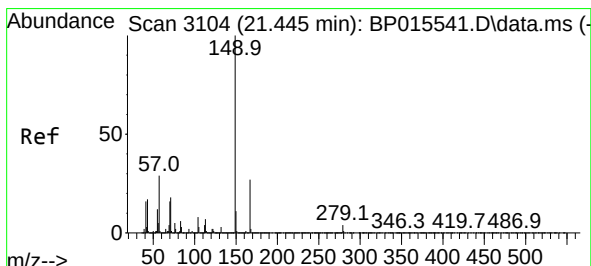
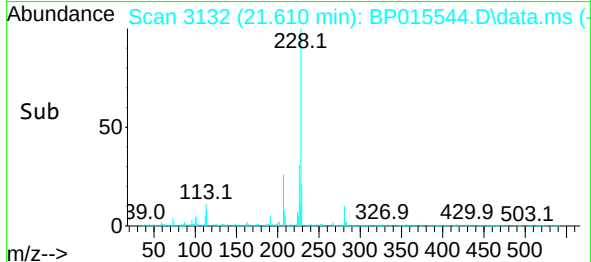
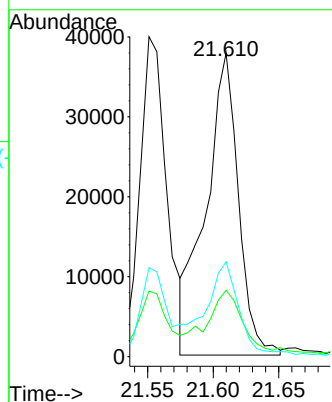
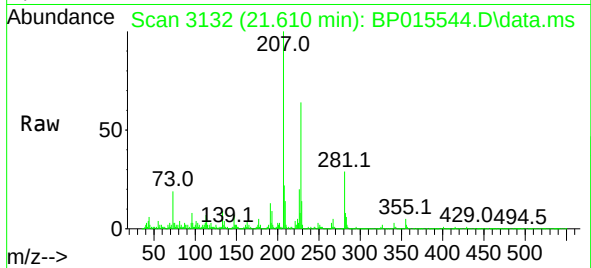




#85
Benzo(a)anthracene
Concen: 22925.010 ng/u1
RT: 21.610 min Scan# 3122
Delta R.T. 0.059 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

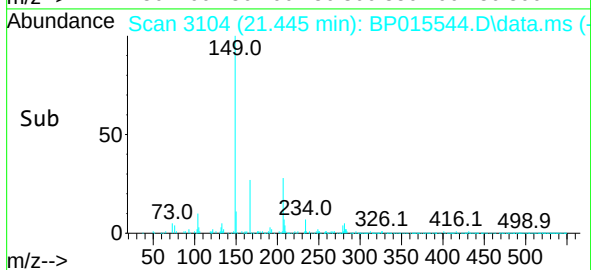
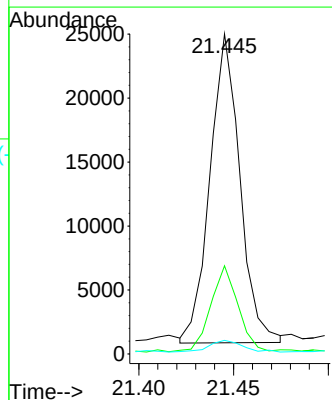
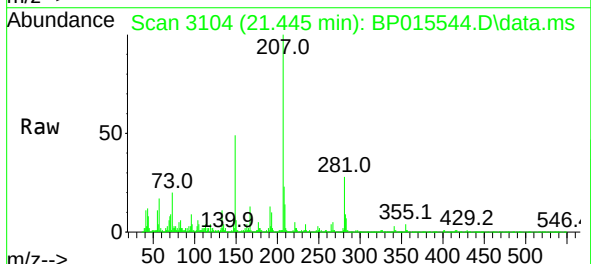
Instrument :
BNA_P
ClientSampleId :
DCFQ9

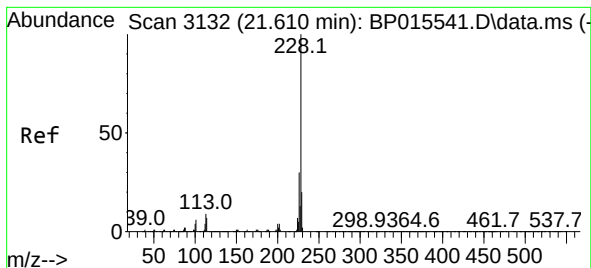
Tgt Ion:228 Resp: 65708
Ion Ratio Lower Upper
228 100
229 21.9 15.8 23.6
226 31.3 21.8 32.6



#86
Bis(2-ethylhexyl)phthalate
Concen: 14713.642 ng/u1
RT: 21.445 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

Tgt Ion:149 Resp: 26582
Ion Ratio Lower Upper
149 100
167 27.6 21.8 32.8
279 4.2 3.7 5.5





#87

Chrysene

Concen: 23208.757 ng/u1

RT: 21.610 min Scan# 3132

Delta R.T. 0.000 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

Instrument :

BNA_P

ClientSampleId :

DCFQ9

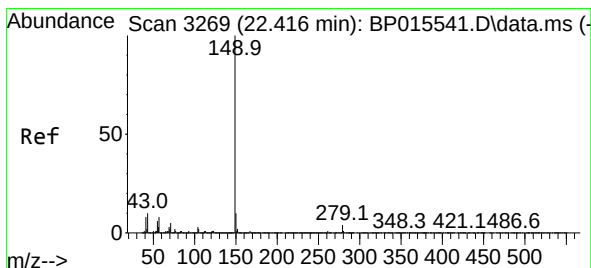
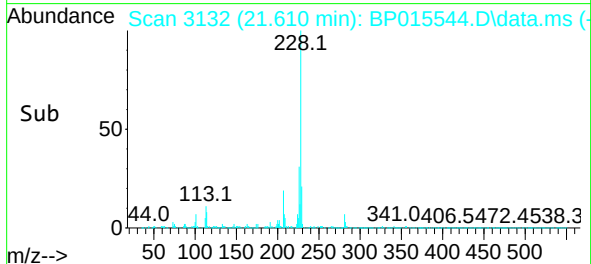
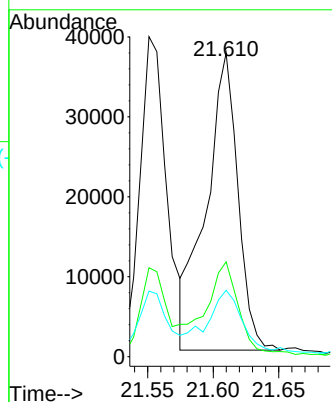
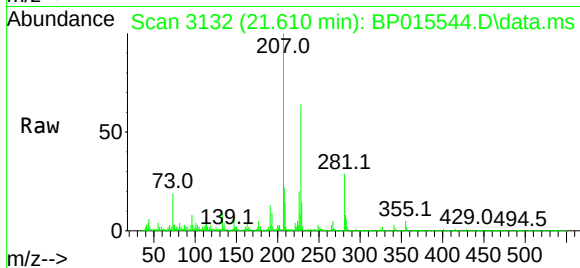
Tgt Ion:228 Resp: 62877

Ion Ratio Lower Upper

228 100

226 31.3 23.9 35.9

229 21.9 15.1 22.7



#89

Di-n-octyl phthalate

Concen: 21.536 ng/u1

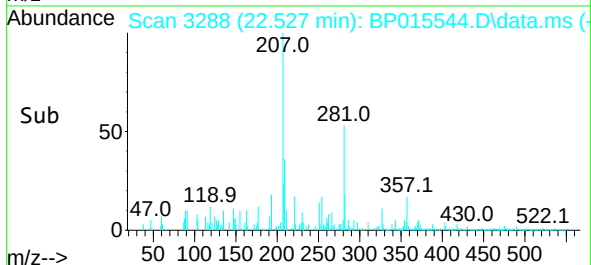
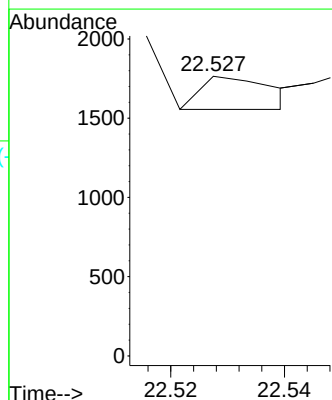
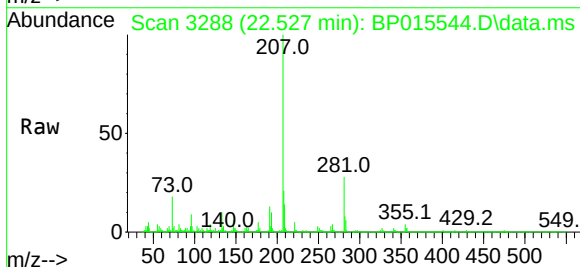
RT: 22.527 min Scan# 3288

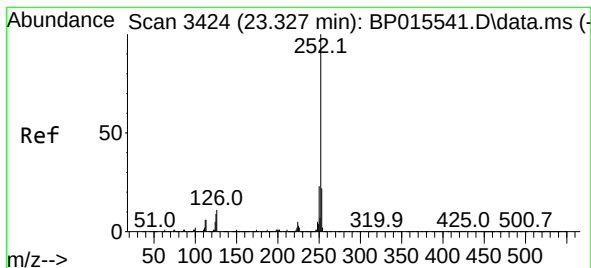
Delta R.T. 0.112 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

Tgt Ion:149 Resp: 184





#90

Benzo(b)fluoranthene

Concen: 25.502 ng/ul

RT: 23.469 min Scan# 3448

Delta R.T. 0.141 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

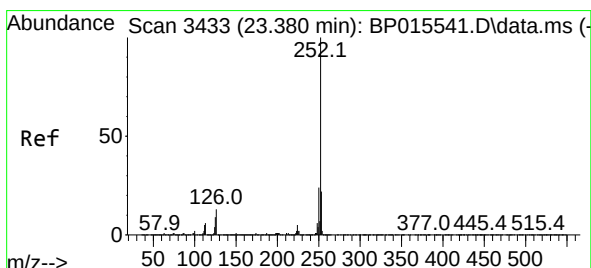
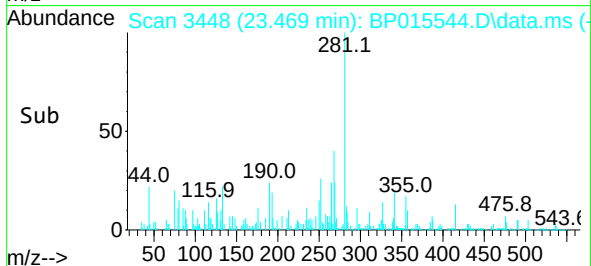
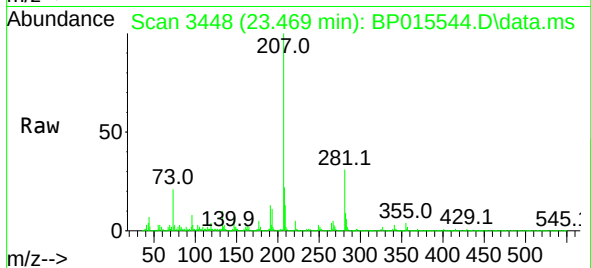
Instrument :

BNA_P

ClientSampleId :

DCFQ9

Tgt Ion:252	Resp:	214
Ion Ratio	Lower	Upper
252	100	
253	92.5	17.4 26.2#
125	66.9	7.3 10.9#



#91

Benzo(k)fluoranthene

Concen: 1403.279 ng/ul

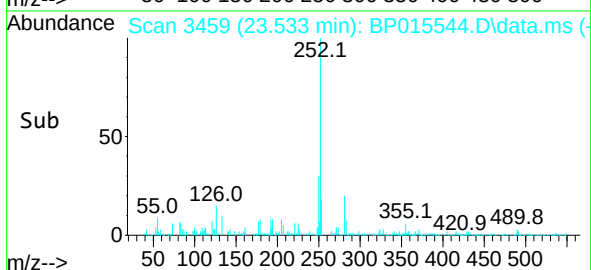
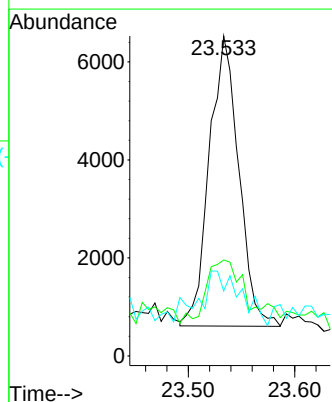
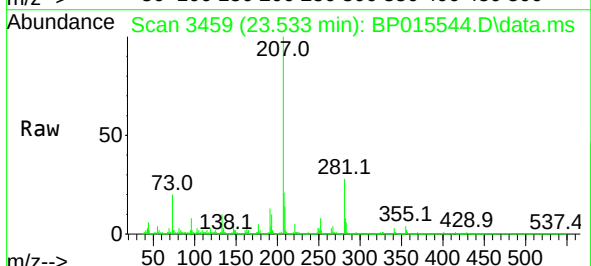
RT: 23.533 min Scan# 3459

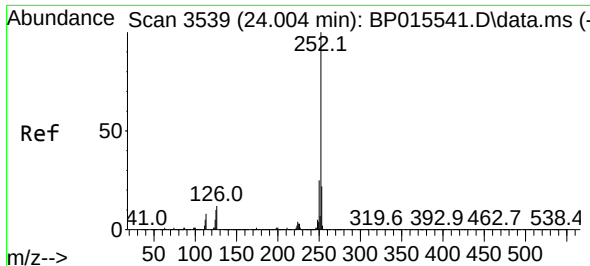
Delta R.T. 0.153 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

Tgt Ion:252	Resp:	11383
Ion Ratio	Lower	Upper
252	100	
253	30.0	17.7 26.5#
125	20.3	7.3 10.9#

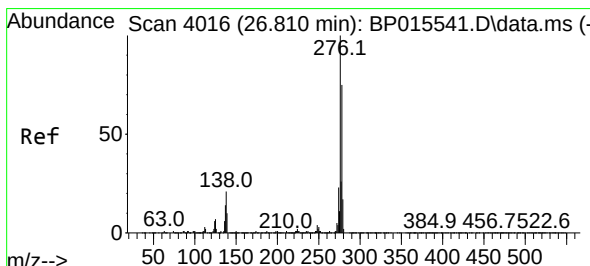
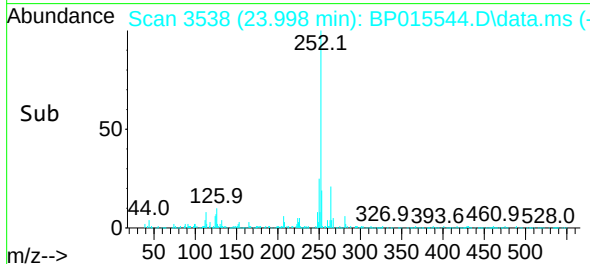
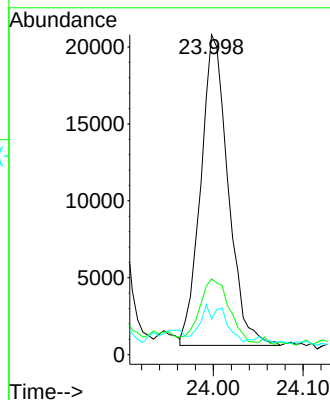
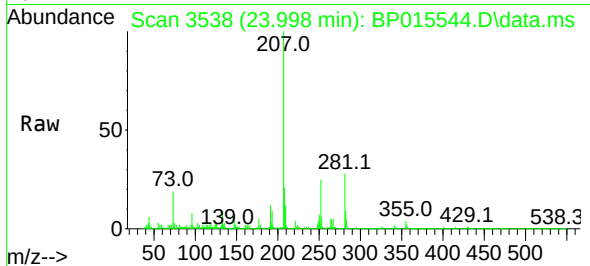




#93
Benzo(a)pyrene
Concen: 5846.218 ng/ul
RT: 23.998 min Scan# 3538
Delta R.T. -0.006 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

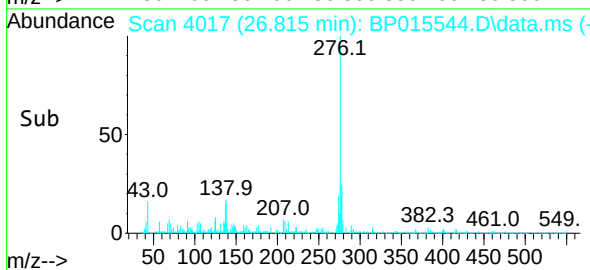
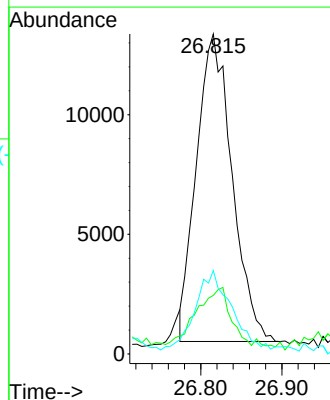
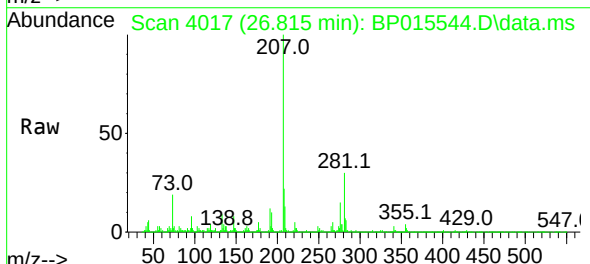
Instrument :
BNA_P
ClientSampleId :
DCFQ9

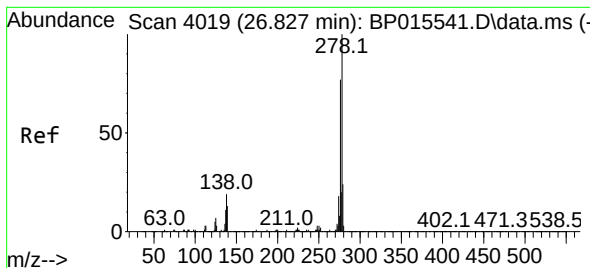
Tgt Ion:252 Resp: 42772
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 11.1 8.1 12.1



#94
Indeno(1,2,3-cd)pyrene
Concen: 4136.300 ng/ul
RT: 26.815 min Scan# 4017
Delta R.T. 0.006 min
Lab File: BP015544.D
Acq: 15 Jun 2023 06:38

Tgt Ion:276 Resp: 39164
Ion Ratio Lower Upper
276 100
138 18.3 17.3 25.9
277 26.0 20.2 30.2





#95

Dibenzo(a,h)anthracene

Concen: 470.192 ng/ul

RT: 26.957 min Scan# 4019

Delta R.T. 0.129 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

Instrument :

BNA_P

ClientSampleId :

DCFQ9

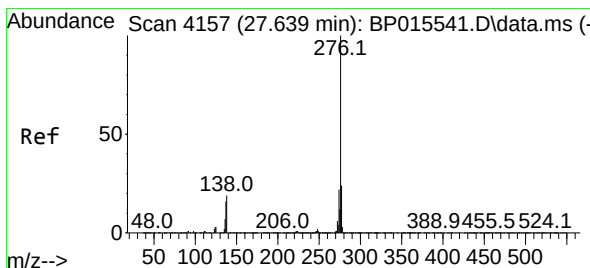
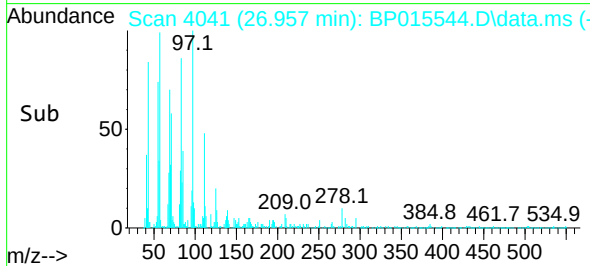
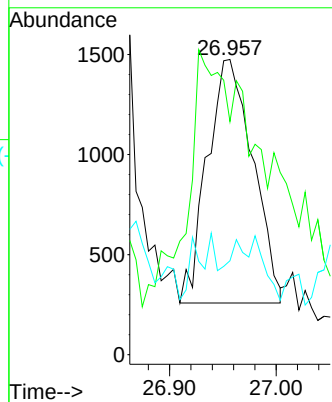
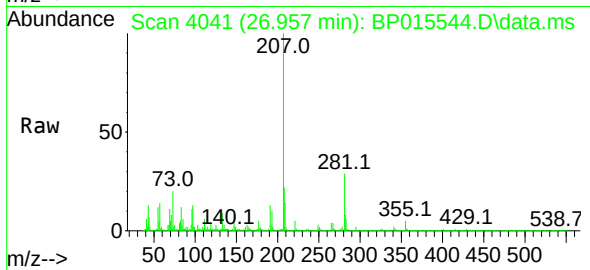
Tgt Ion:278 Resp: 3627

Ion Ratio Lower Upper

278 100

139 79.0 11.4 17.0#

279 31.8 18.7 28.1#



#96

Benzo(g,h,i)perylene

Concen: 36.012 ng/ul

RT: 27.798 min Scan# 4184

Delta R.T. 0.159 min

Lab File: BP015544.D

Acq: 15 Jun 2023 06:38

Tgt Ion:276 Resp: 281

Ion Ratio Lower Upper

276 100

138 137.1 15.6 23.4#

277 17.6 19.0 28.6#

