

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051024\
 Data File : BP020341.D
 Acq On : 12 May 2024 05:35
 Operator : MA/JU
 Sample : P2371-20
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A43T2

Quant Time: May 13 00:28:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 13 00:21:03 2024
 Response via : Initial Calibration

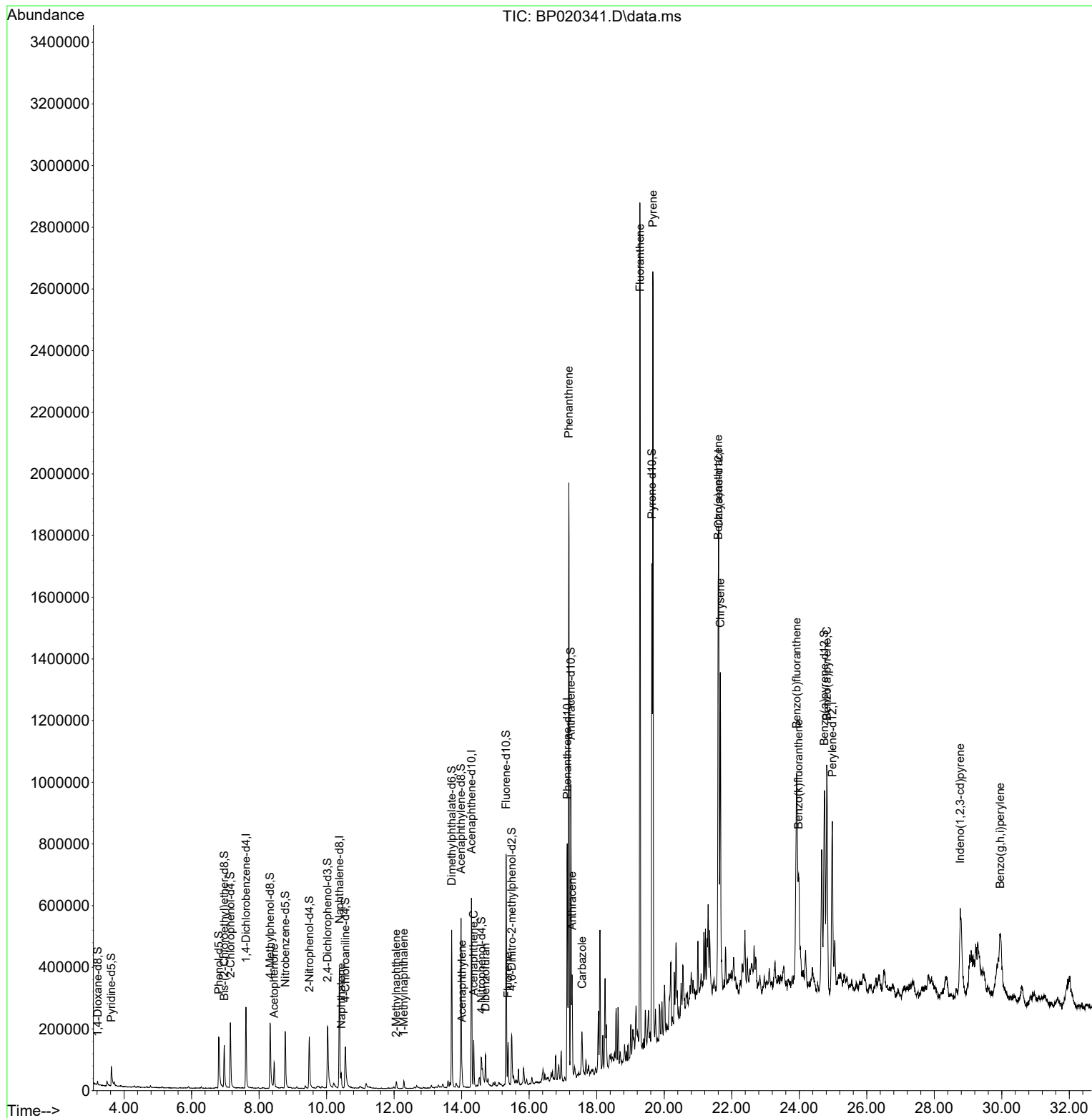
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	78356	20.000	ng/u1	0.00
20) Naphthalene-d8	10.381	136	316426	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.293	164	217541	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.128	188	496467	20.000	ng/u1	0.00
79) Chrysene-d12	21.616	240	497978	20.000	ng/u1	0.00
88) Perylene-d12	24.980	264	571720	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.217	96	5982	3.224	ng/uL	0.00
4) Pyridine-d5	3.623	84	44773	8.305	ng/u1	0.00
7) Phenol-d5	6.811	99	126217	18.757	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	6.969	67	69754	17.064	ng/u1	0.00
11) 2-Chlorophenol-d4	7.152	132	101635	21.128	ng/u1	0.00
15) 4-Methylphenol-d8	8.328	113	101122	18.587	ng/u1	0.00
21) Nitrobenzene-d5	8.775	128	49227	20.775	ng/u1	0.00
24) 2-Nitrophenol-d4	9.487	143	57538	21.205	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.028	165	96370	19.462	ng/u1	0.00
31) 4-Chloroaniline-d4	10.557	131	103851	14.985	ng/u1	0.01
46) Dimethylphthalate-d6	13.704	166	342139	21.537	ng/u1	0.00
49) Acenaphthylene-d8	13.981	160	388042	22.112	ng/u1	0.00
54) 4-Nitrophenol-d4	14.587	143	30609	12.537	ng/u1	0.02
60) Fluorene-d10	15.316	176	310618	23.442	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	44449	14.109	ng/u1	0.00
73) Anthracene-d10	17.234	188	524931	24.441	ng/u1	0.00
81) Pyrene-d10	19.633	212	663099	22.780	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.745	264	686370	24.829	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.446	105	47581	5.270	ng/u1	98
30) Naphthalene	10.434	128	39727	2.436	ng/u1	98
36) 2-Methylnaphthalene	12.063	142	12668	1.116	ng/u1	99
37) 1-Methylnaphthalene	12.287	142	11731	1.027	ng/u1#	92
50) Acenaphthylene	14.010	152	32526	1.648	ng/u1	99
52) Acenaphthene	14.357	153	57472	4.333	ng/u1	98
56) Dibenzofuran	14.710	168	56558	3.100	ng/u1	97
61) Fluorene	15.375	166	57918	3.821	ng/u1	98
72) Phenanthrene	17.175	178	1231577	48.621	ng/u1	99
74) Anthracene	17.269	178	239929	9.313	ng/u1	98
77) Carbazole	17.569	167	100979	4.550	ng/u1	98
80) Fluoranthene	19.281	202	1749865	51.080	ng/u1	99
82) Pyrene	19.663	202	1677577	47.065	ng/u1	98
85) Benzo(a)anthracene	21.598	228	732800	21.696	ng/u1	96
87) Chrysene	21.663	228	716359	22.883	ng/u1	99
90) Benzo(b)fluoranthene	23.921	252	906776	26.663	ng/u1	99
91) Benzo(k)fluoranthene	23.980	252	269639	7.780	ng/u1	97
93) Benzo(a)pyrene	24.816	252	777793	24.036	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.768	276	262259	6.611	ng/u1	96
96) Benzo(g,h,i)perylene	29.951	276	421789	13.183	ng/u1	99

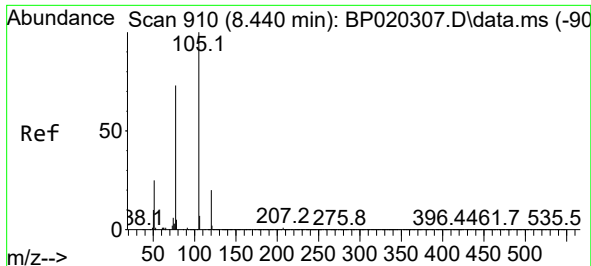
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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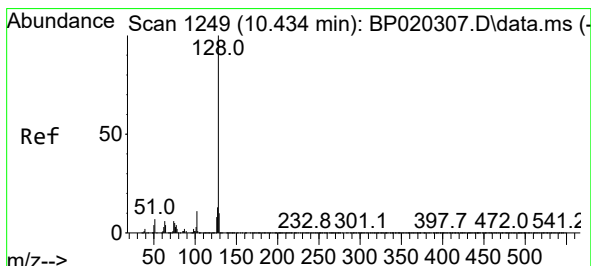
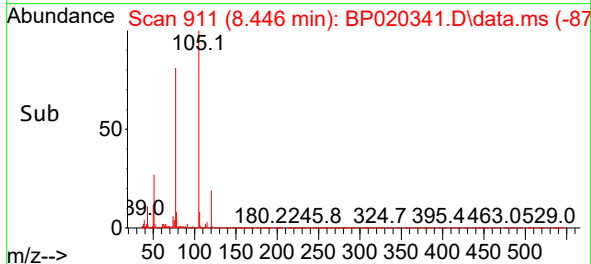
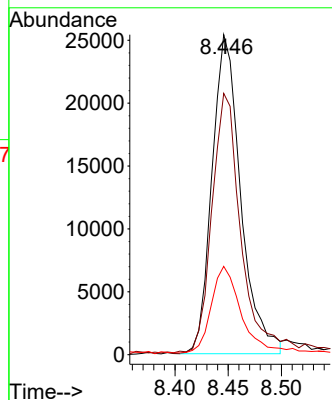
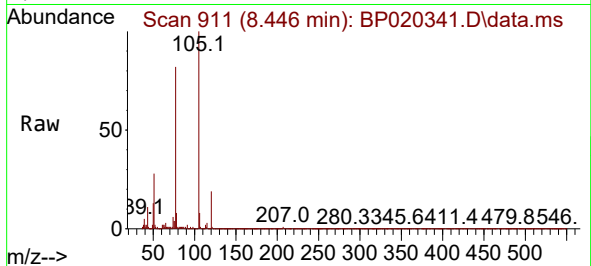




#16
Acetophenone
Concen: 5.270 ng/ul
RT: 8.446 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP020341.D
Acq: 12 May 2024 05:35

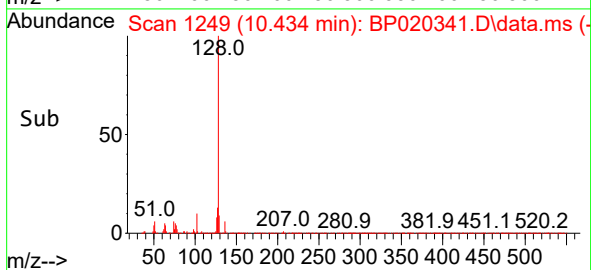
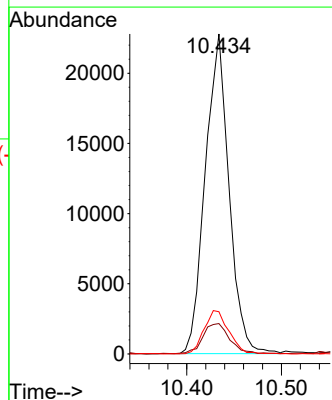
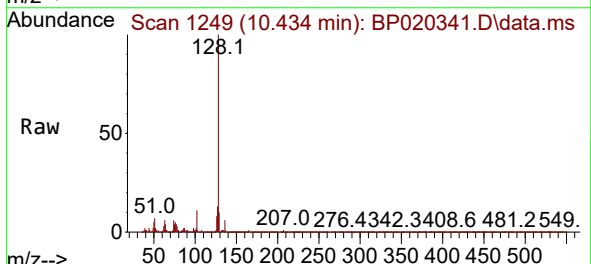
Instrument :
BNA_P
ClientSampleId :
A43T2

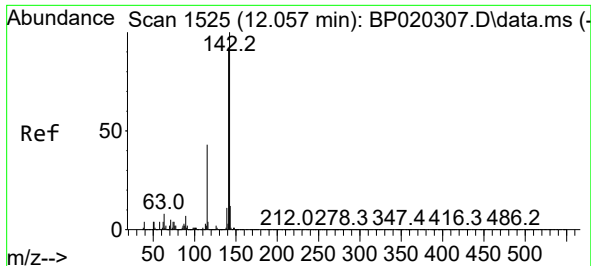
Tgt Ion:	105	Resp:	47581
Ion Ratio	Lower	Upper	
105	100		
77	81.6	66.4	99.6
51	27.6	23.9	35.9



#30
Naphthalene
Concen: 2.436 ng/ul
RT: 10.434 min Scan# 1249
Delta R.T. 0.000 min
Lab File: BP020341.D
Acq: 12 May 2024 05:35

Tgt Ion:	128	Resp:	39727
Ion Ratio	Lower	Upper	
128	100		
129	9.5	8.9	13.3
127	13.2	10.6	16.0

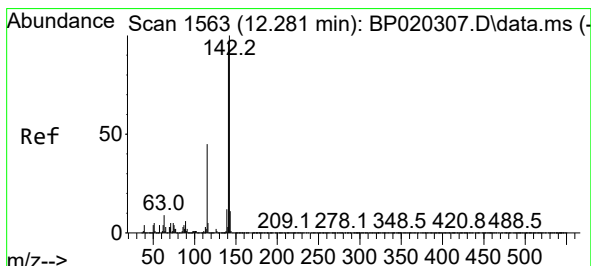
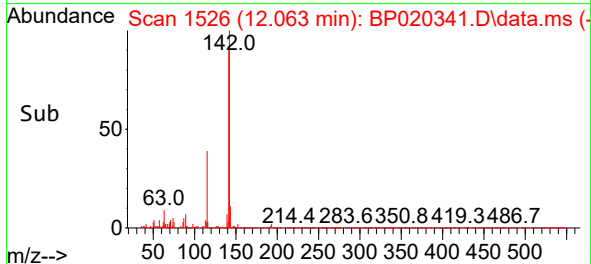
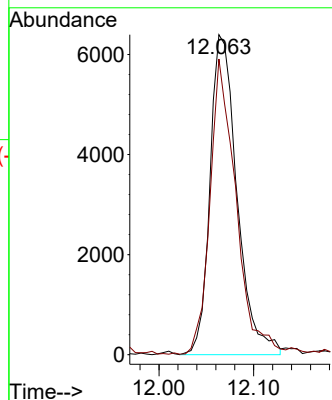
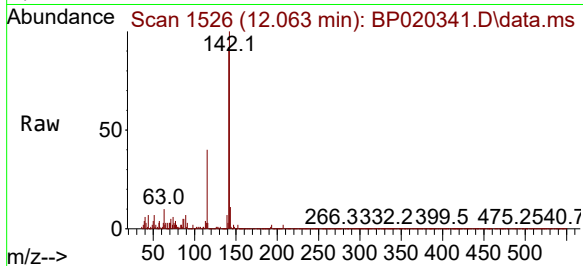




#36
2-Methylnaphthalene
Concen: 1.116 ng/ul
RT: 12.063 min Scan# 1526
Delta R.T. -0.000 min
Lab File: BP020341.D
Acq: 12 May 2024 05:35

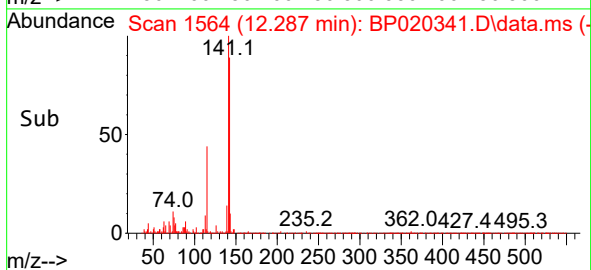
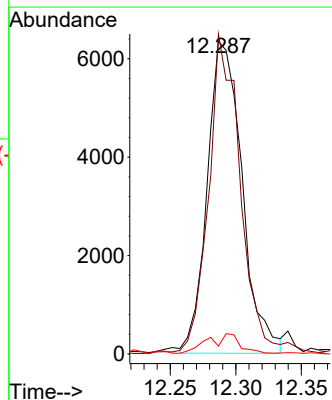
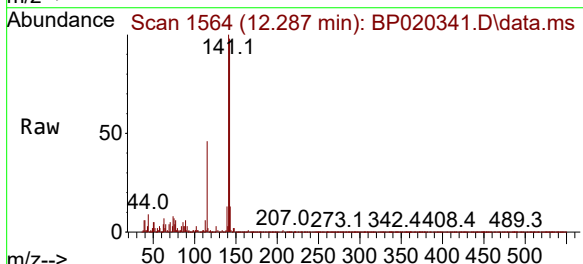
Instrument :
BNA_P
ClientSampleId :
A43T2

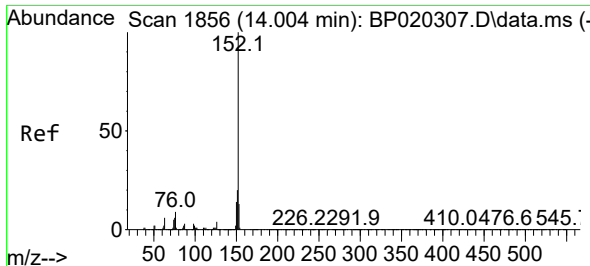
Tgt Ion:142 Resp: 12668
Ion Ratio Lower Upper
142 100
141 92.4 74.6 111.8



#37
1-Methylnaphthalene
Concen: 1.027 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BP020341.D
Acq: 12 May 2024 05:35

Tgt Ion:142 Resp: 11731
Ion Ratio Lower Upper
142 100
141 102.2 75.5 113.3
116 2.5 3.9 5.9#

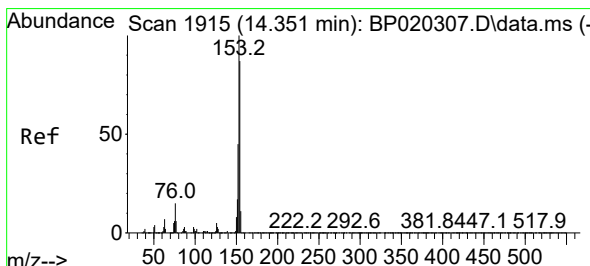
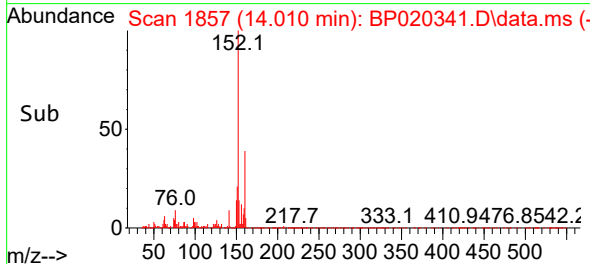
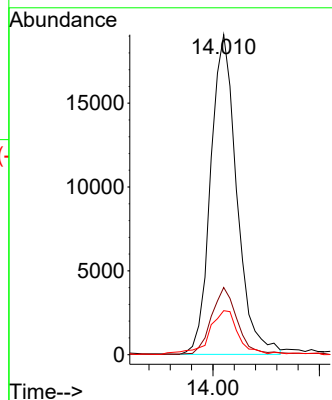
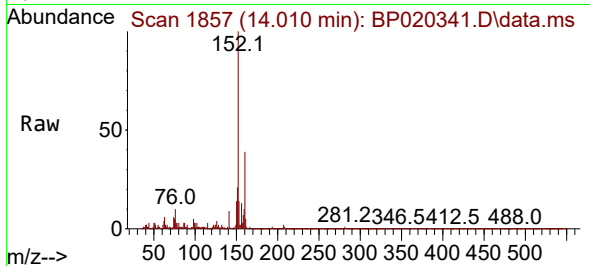




#50
Acenaphthylene
Concen: 1.648 ng/ul
RT: 14.010 min Scan# 1857
Delta R.T. 0.006 min
Lab File: BP020341.D
Acq: 12 May 2024 05:35

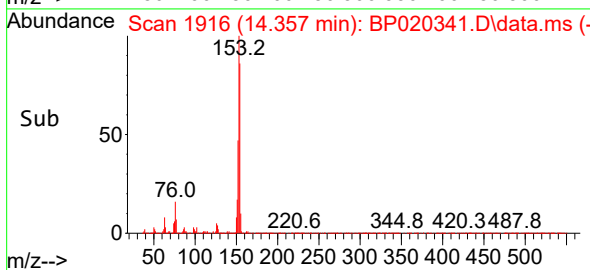
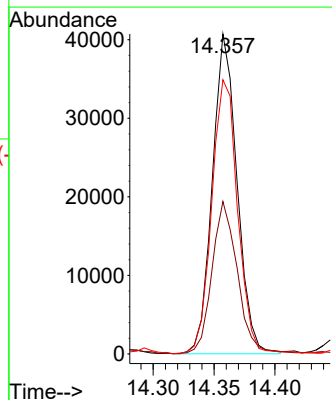
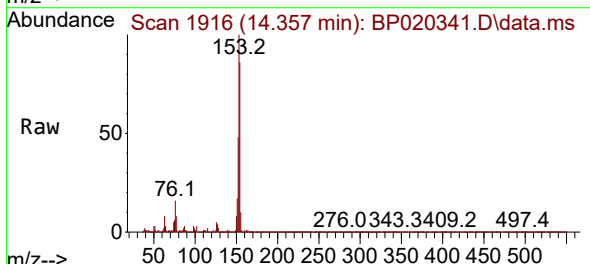
Instrument :
BNA_P
ClientSampleId :
A43T2

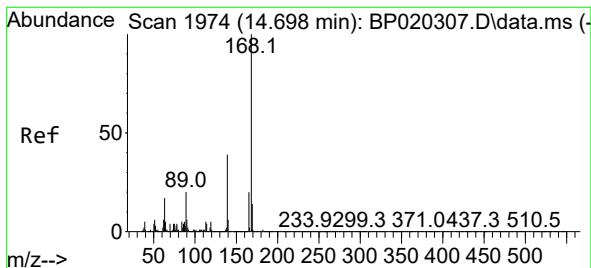
Tgt Ion:	152	Resp:	32526
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.5	24.7
153	13.7	10.3	15.5



#52
Acenaphthene
Concen: 4.333 ng/ul
RT: 14.357 min Scan# 1916
Delta R.T. -0.000 min
Lab File: BP020341.D
Acq: 12 May 2024 05:35

Tgt Ion:	153	Resp:	57472
Ion Ratio	Lower	Upper	
153	100		
152	47.7	37.4	56.2
154	85.7	70.3	105.5





#56

Dibenzenofuran

Concen: 3.100 ng/ul

RT: 14.710 min Scan# 1974

Delta R.T. 0.006 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

Instrument :

BNA_P

ClientSampleId :

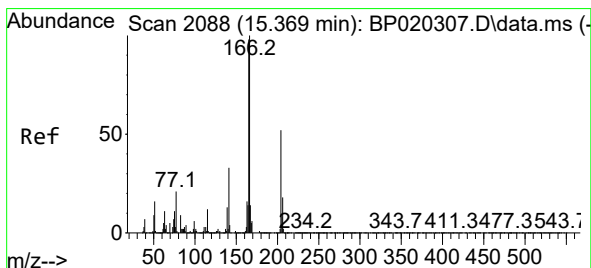
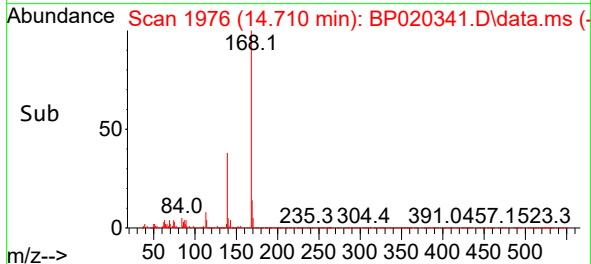
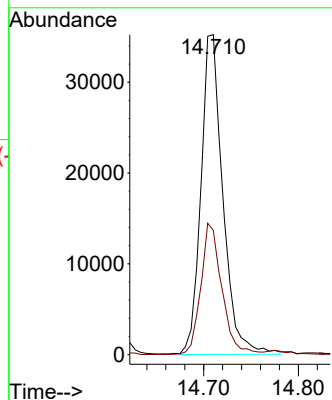
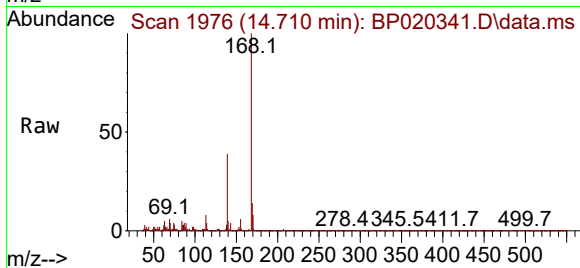
A43T2

Tgt Ion:168 Resp: 56558

Ion Ratio Lower Upper

168 100

139 38.9 32.7 49.1



#61

Fluorene

Concen: 3.821 ng/ul

RT: 15.375 min Scan# 2089

Delta R.T. 0.000 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

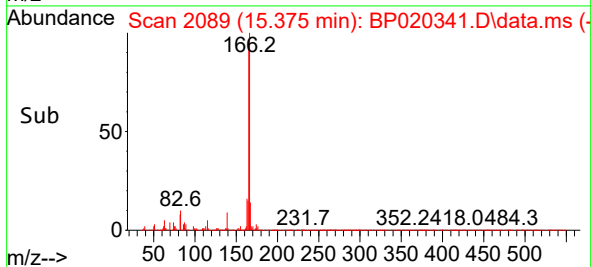
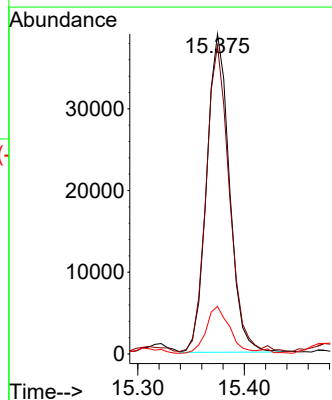
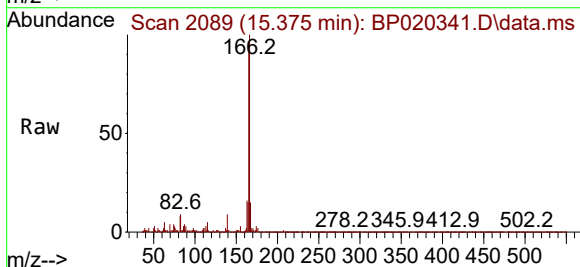
Tgt Ion:166 Resp: 57918

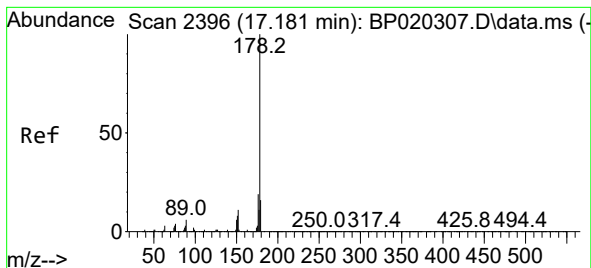
Ion Ratio Lower Upper

166 100

165 96.4 76.2 114.2

167 14.9 10.3 15.5





#72

Phenanthrene

Concen: 48.621 ng/ul

RT: 17.175 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

Instrument :

BNA_P

ClientSampleId :

A43T2

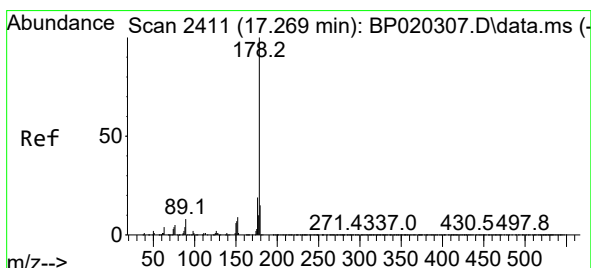
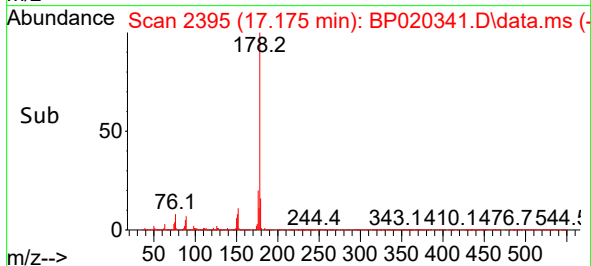
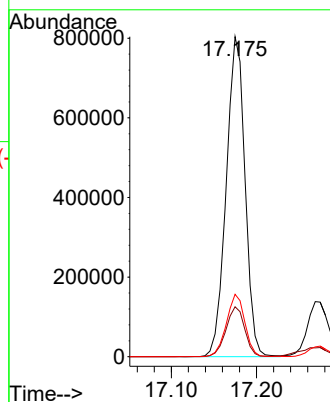
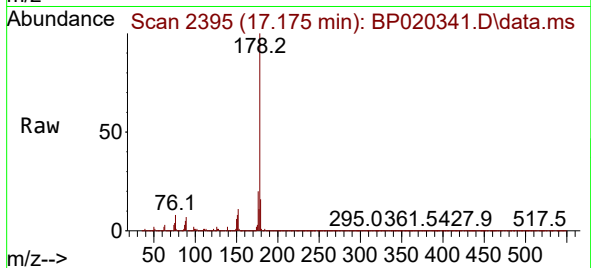
Tgt Ion:178 Resp: 1231577

Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.6

176 19.5 15.2 22.8



#74

Anthracene

Concen: 9.313 ng/ul

RT: 17.269 min Scan# 2411

Delta R.T. -0.006 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

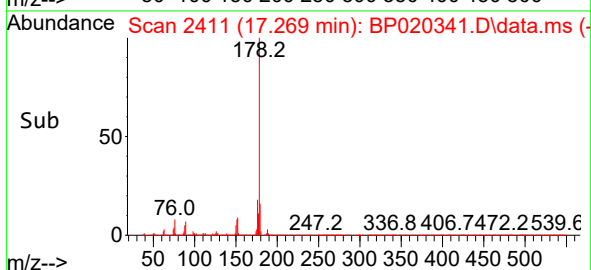
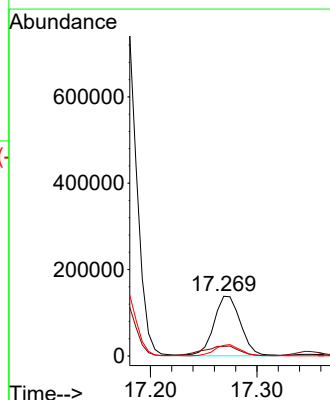
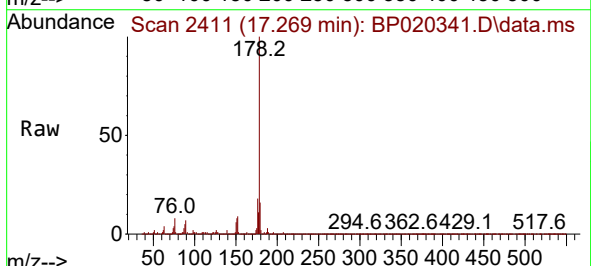
Tgt Ion:178 Resp: 239929

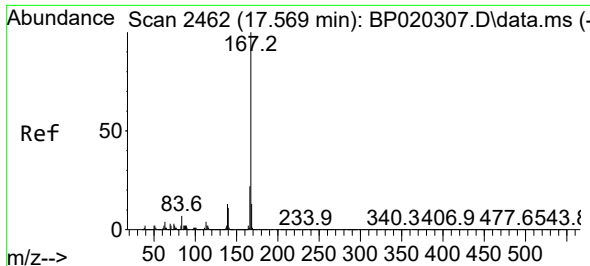
Ion Ratio Lower Upper

178 100

179 16.1 12.0 18.0

176 17.7 14.8 22.2

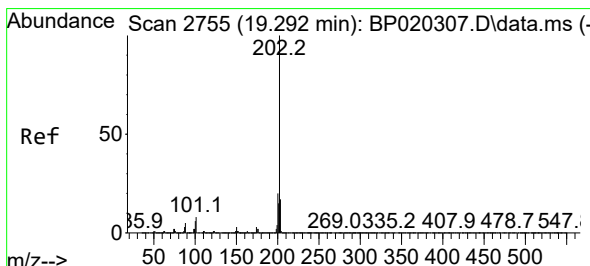
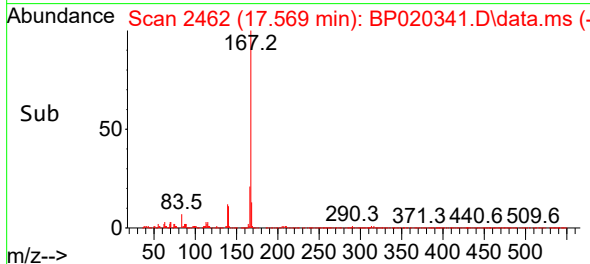
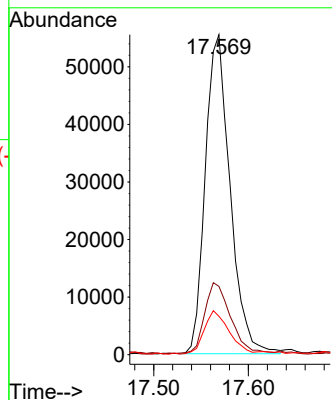
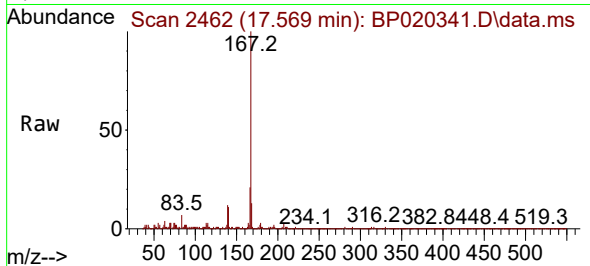




#77
 Carbazole
 Concen: 4.550 ng/ul
 RT: 17.569 min Scan# 2462
 Delta R.T. 0.000 min
 Lab File: BP020341.D
 Acq: 12 May 2024 05:35

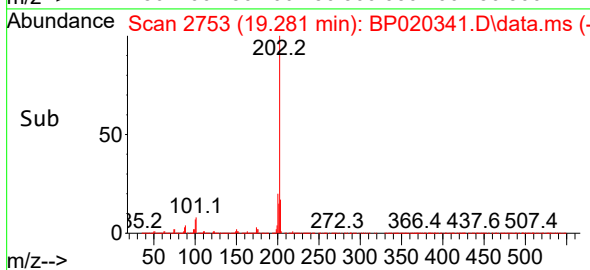
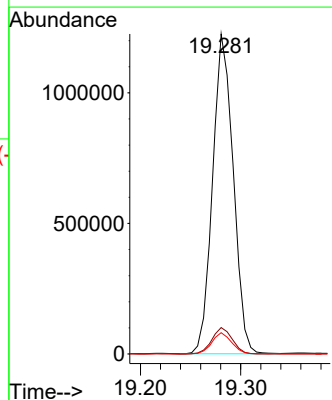
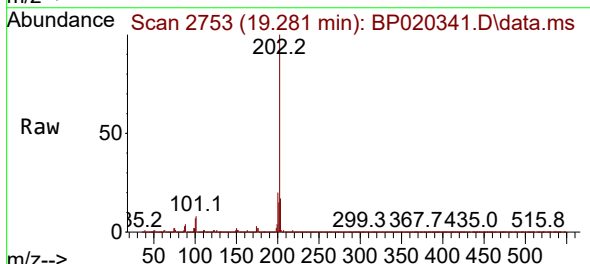
Instrument :
 BNA_P
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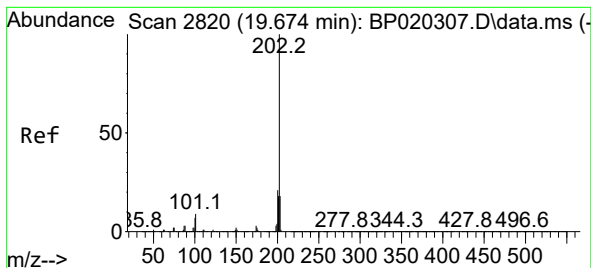
Tgt Ion:167 Resp: 100979
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 12.0 11.0 16.4



#80
 Fluoranthene
 Concen: 51.080 ng/ul
 RT: 19.281 min Scan# 2753
 Delta R.T. -0.006 min
 Lab File: BP020341.D
 Acq: 12 May 2024 05:35

Tgt Ion:202 Resp: 1749865
 Ion Ratio Lower Upper
 202 100
 101 8.3 7.0 10.4
 100 6.7 5.5 8.3





#82

Pyrene

Concen: 47.065 ng/ul

RT: 19.663 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

Instrument :

BNA_P

ClientSampleId :

A43T2

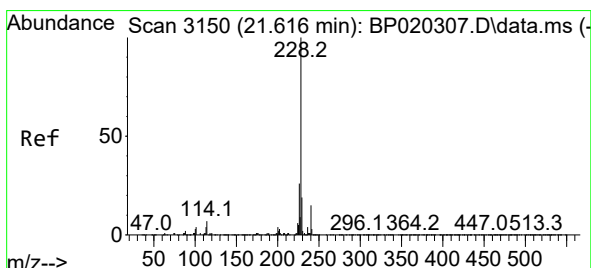
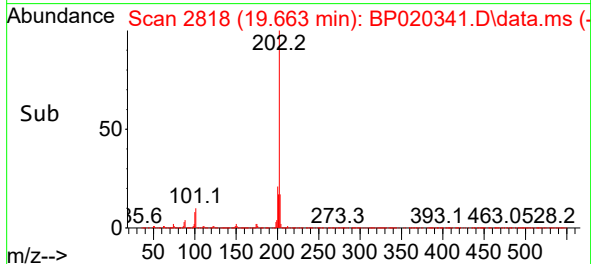
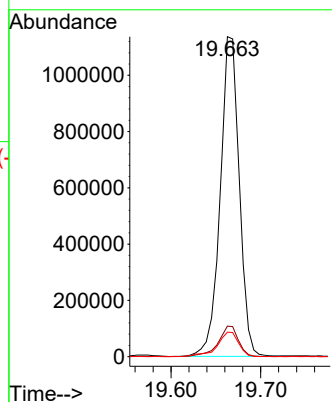
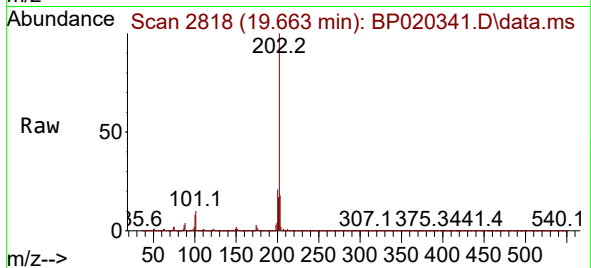
Tgt Ion:202 Resp: 1677577

Ion Ratio Lower Upper

202 100

101 9.5 8.1 12.1

100 7.6 6.8 10.2



#85

Benzo(a)anthracene

Concen: 21.696 ng/ul

RT: 21.598 min Scan# 3147

Delta R.T. 0.006 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

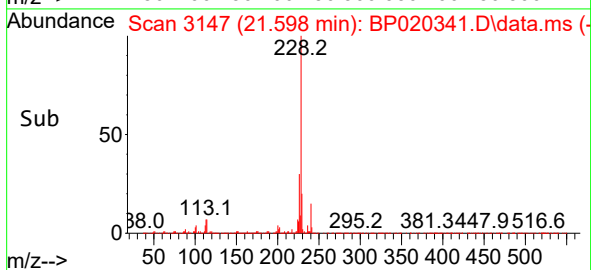
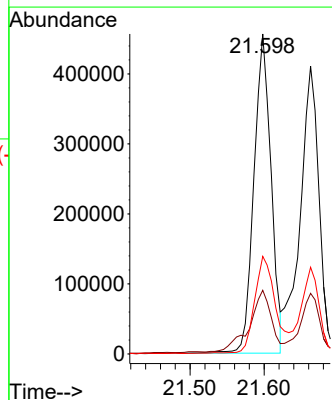
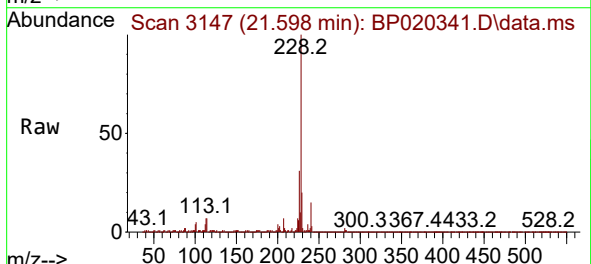
Tgt Ion:228 Resp: 732800

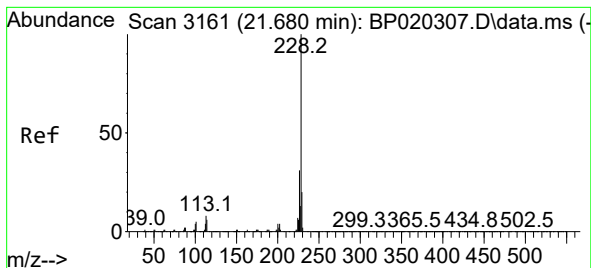
Ion Ratio Lower Upper

228 100

229 19.9 15.8 23.8

226 30.5 21.5 32.3





#87

Chrysene

Concen: 22.883 ng/ul

RT: 21.663 min Scan# 3161

Delta R.T. 0.000 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

Instrument :

BNA_P

ClientSampleId :

A43T2

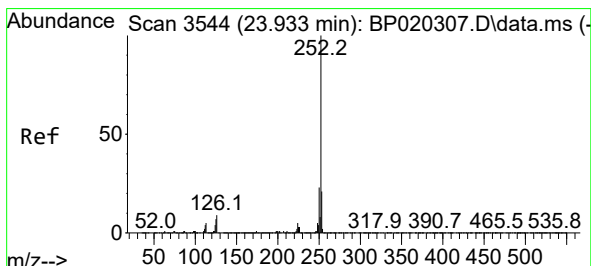
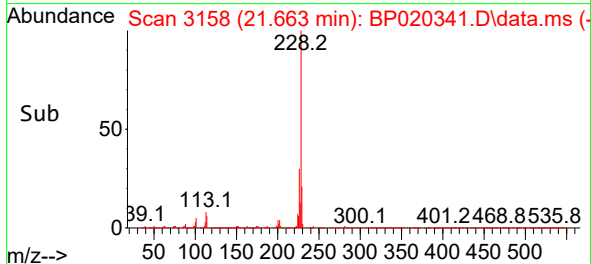
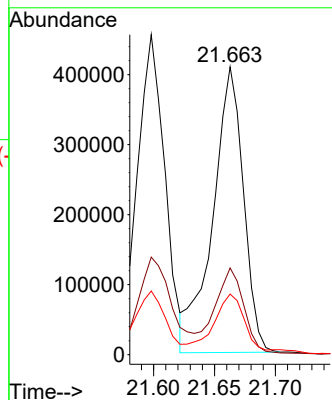
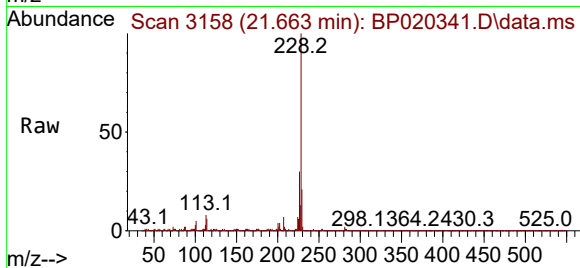
Tgt Ion:228 Resp: 716359

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

229 21.1 15.9 23.9



#90

Benzo(b)fluoranthene

Concen: 26.663 ng/ul

RT: 23.921 min Scan# 3542

Delta R.T. -0.000 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

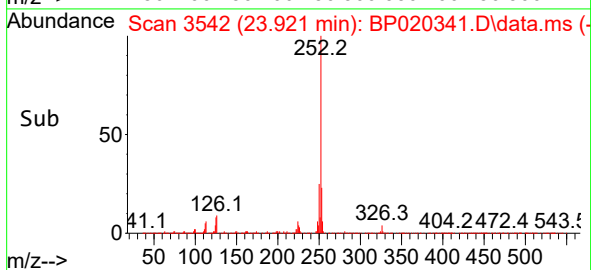
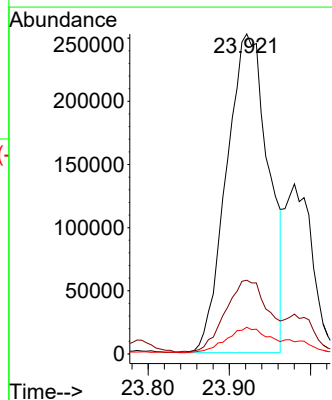
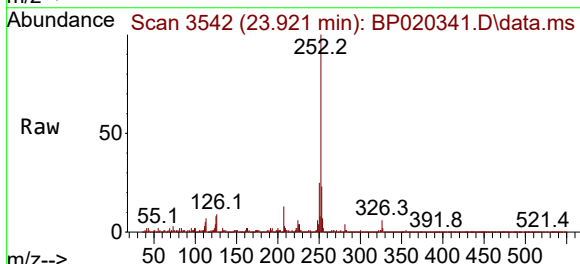
Tgt Ion:252 Resp: 906776

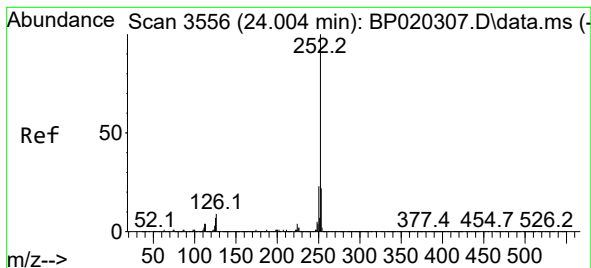
Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 8.4 6.2 9.2





#91

Benzo(k)fluoranthene

Concen: 7.780 ng/ul

RT: 23.980 min Scan# 3556

Delta R.T. -0.000 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

Instrument :

BNA_P

ClientSampleId :

A43T2

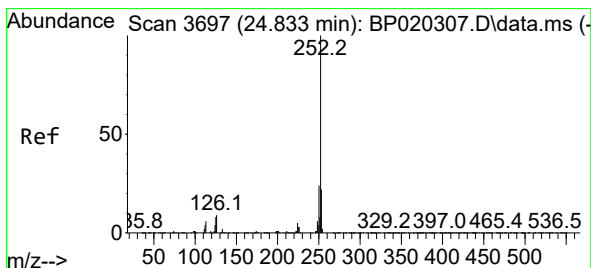
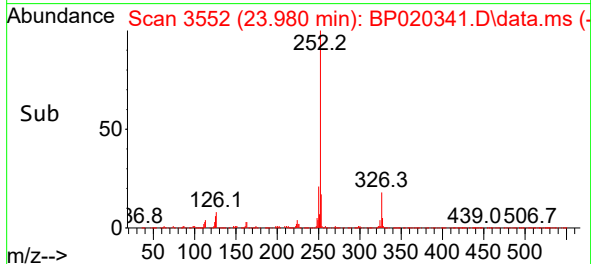
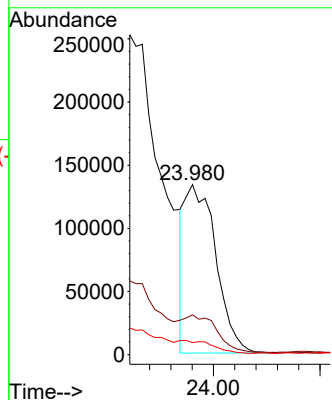
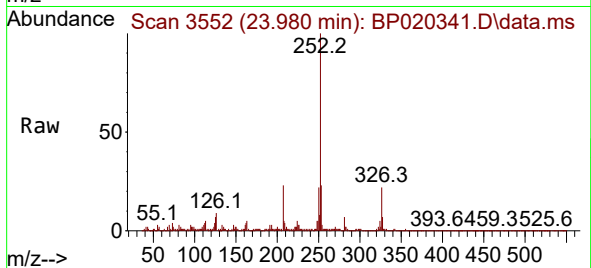
Tgt Ion:252 Resp: 269639

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 7.2 5.6 8.4



#93

Benzo(a)pyrene

Concen: 24.036 ng/ul

RT: 24.816 min Scan# 3694

Delta R.T. -0.000 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

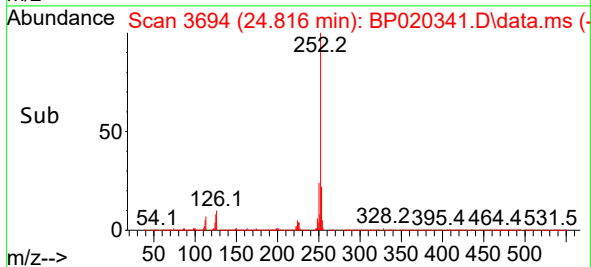
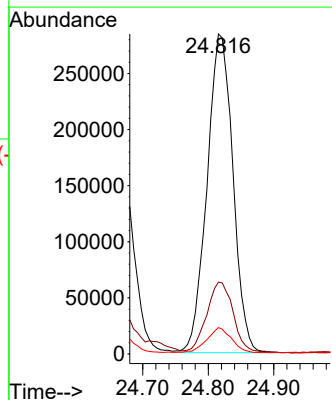
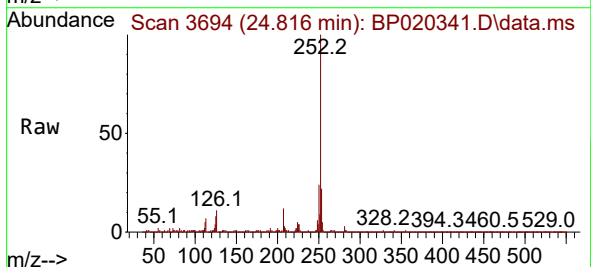
Tgt Ion:252 Resp: 777793

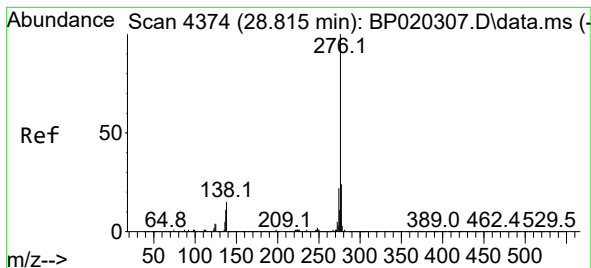
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 8.2 6.6 10.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.611 ng/ul

RT: 28.768 min Scan# 41

Delta R.T. -0.024 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

Instrument :

BNA_P

ClientSampleId :

A43T2

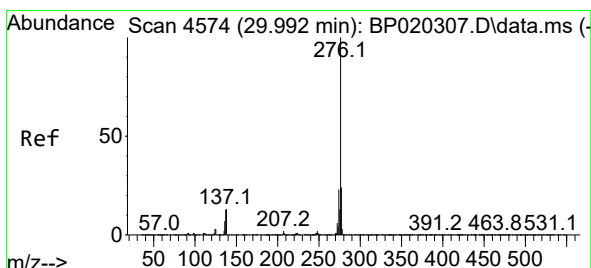
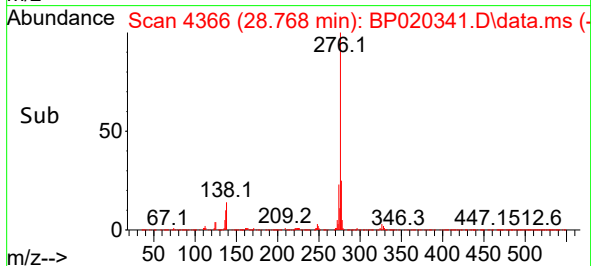
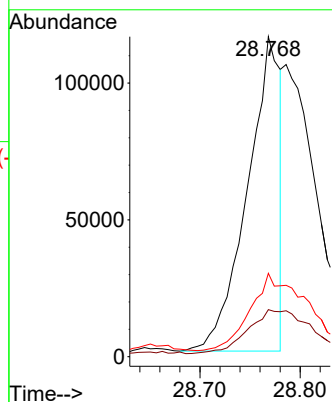
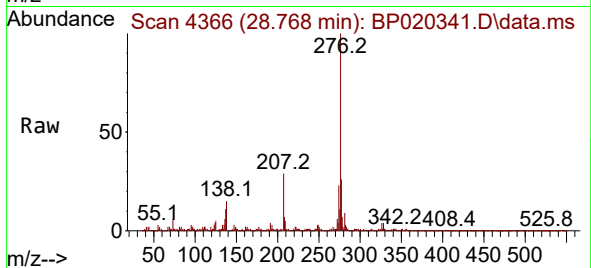
Tgt Ion:276 Resp: 262259

Ion Ratio Lower Upper

276 100

138 14.7 12.3 18.5

277 26.1 19.0 28.4



#96

Benzo(g,h,i)perylene

Concen: 13.183 ng/ul

RT: 29.951 min Scan# 4567

Delta R.T. -0.029 min

Lab File: BP020341.D

Acq: 12 May 2024 05:35

Tgt Ion:276 Resp: 421789

Ion Ratio Lower Upper

276 100

138 14.3 11.6 17.4

277 23.3 19.4 29.0

