

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102124\
 Data File : BP022552.D
 Acq On : 23 Oct 2024 01:14
 Operator : RC/JU
 Sample : P4414-13
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4FA8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 23 02:43:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 22 05:59:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.664	152	125379	20.000	ng/u1	0.00
20) Naphthalene-d8	10.416	136	475783	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.263	164	360922	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.075	188	850733	20.000	ng/u1	0.00
79) Chrysene-d12	21.498	240	786463	20.000	ng/u1	0.00
88) Perylene-d12	24.774	264	944472	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	4871	1.510	ng/uL	0.00
4) Pyridine-d5	3.623	84	15827	1.787	ng/u1	0.01
7) Phenol-d5	6.858	99	98052	9.290	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	59391	9.574	ng/u1	0.00
11) 2-Chlorophenol-d4	7.205	132	78854	10.530	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	69716	8.277	ng/u1	0.00
21) Nitrobenzene-d5	8.805	128	36517	9.982	ng/u1	0.00
24) 2-Nitrophenol-d4	9.510	143	42530	10.042	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.052	165	89329	9.924	ng/u1	0.00
31) 4-Chloroaniline-d4	10.557	131	52548	4.940	ng/u1	0.00
46) Dimethylphthalate-d6	13.687	166	292237	10.191	ng/u1	0.00
49) Acenaphthylene-d8	13.957	160	306381	10.059	ng/u1	0.00
54) 4-Nitrophenol-d4	14.510	143	29946	6.225	ng/u1	0.00
60) Fluorene-d10	15.275	176	265317	10.667	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.428	200	18069	3.229	ng/u1	0.01
73) Anthracene-d10	17.175	188	431774	10.789	ng/u1	0.00
81) Pyrene-d10	19.557	212	468574	11.267	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.545	264	392999	7.791	ng/u1	0.02
Target Compounds						
					Qvalue	
8) Phenol	6.881	94	17679	1.610	ng/u1	93
16) Acetophenone	8.469	105	75084	5.400	ng/u1	95
30) Naphthalene	10.463	128	89077	3.515	ng/u1	99
36) 2-Methylnaphthalene	12.075	142	26732	1.437	ng/u1	96
37) 1-Methylnaphthalene	12.299	142	20694	1.090	ng/u1#	98
50) Acenaphthylene	13.987	152	49900	1.579	ng/u1	98
52) Acenaphthene	14.334	153	88342	3.952	ng/u1	99
56) Dibenzofuran	14.681	168	116874	3.481	ng/u1	99
61) Fluorene	15.328	166	123359	4.509	ng/u1	98
72) Phenanthrene	17.122	178	1856737	40.794	ng/u1	99
74) Anthracene	17.210	178	253359	5.578	ng/u1	98
77) Carbazole	17.498	167	141063	3.510	ng/u1	98
80) Fluoranthene	19.204	202	2211921	46.263	ng/u1	100
82) Pyrene	19.586	202	1492922	29.133	ng/u1	100
85) Benzo(a)anthracene	21.480	228	713392	12.939	ng/u1	97
87) Chrysene	21.551	228	744419	14.562	ng/u1	98
90) Benzo(b)fluoranthene	23.727	252	982181	16.521	ng/u1	98
91) Benzo(k)fluoranthene	23.798	252	356392m	6.123	ng/u1	
93) Benzo(a)pyrene	24.616	252	423668	7.743	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.451	276	377930	5.176	ng/u1	99
95) Dibenzo(a,h)anthracene	28.509	278	117593m	1.989	ng/u1	

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

Instrument :

BNA_P

ClientSampleId :

A4FA8

Manual Integrations

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Supervised By :mohammad ahmed 10/25/2024

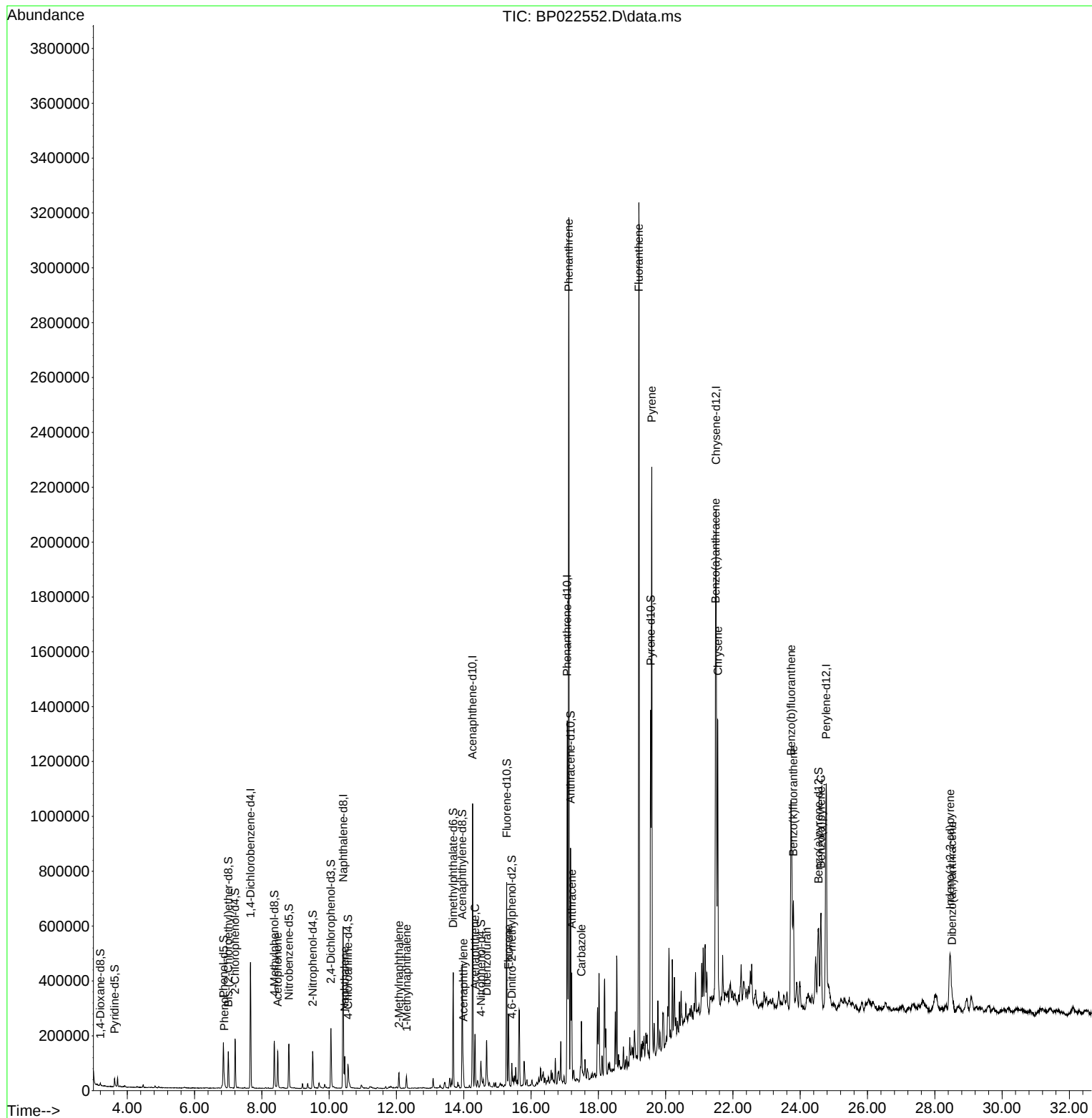
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ALS Vial : 53 Sample Multiplier: 1

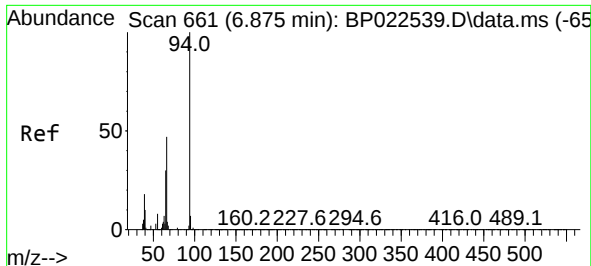
Instrument :
BNA_P
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
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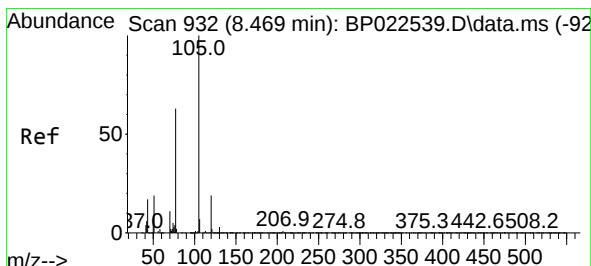
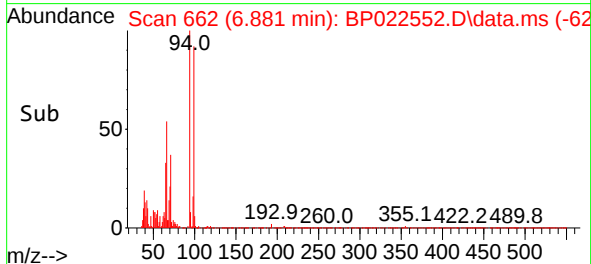
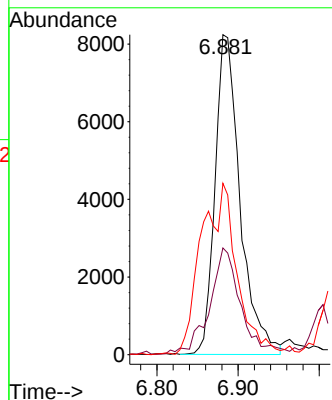
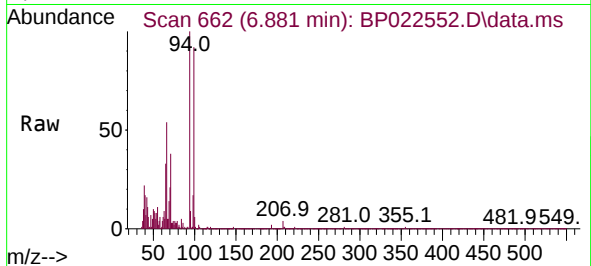
#8
Phenol
Concen: 1.610 ng/ul
RT: 6.881 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

Instrument :
BNA_P
ClientSampleId :
A4FA8

Tgt Ion: 94 Resp: 17679
Ion Ratio Lower Upper
94 100
65 33.4 25.9 38.9
66 53.6 37.6 56.4

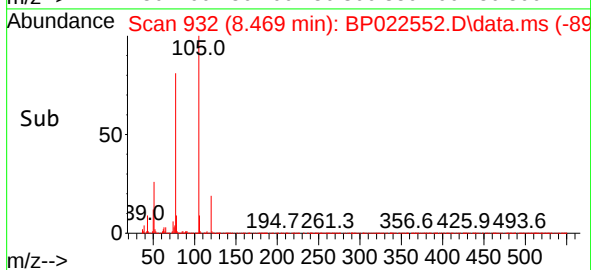
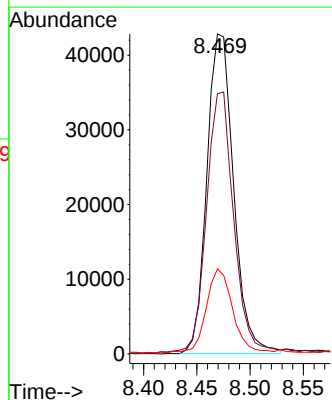
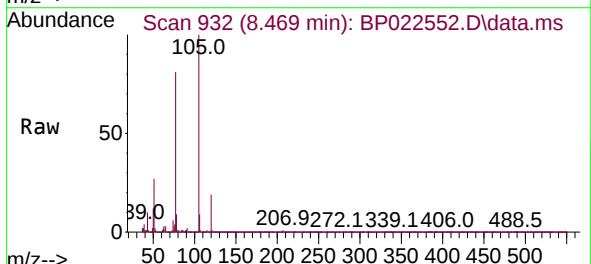
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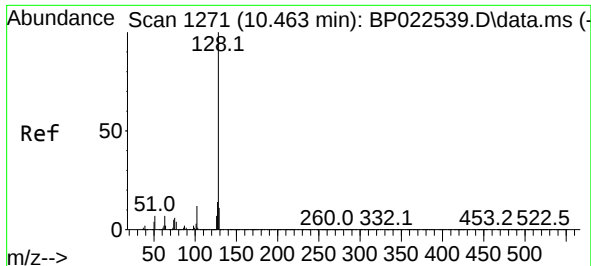
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#16
Acetophenone
Concen: 5.400 ng/ul
RT: 8.469 min Scan# 932
Delta R.T. 0.000 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

Tgt Ion:105 Resp: 75084
Ion Ratio Lower Upper
105 100
77 81.4 69.0 103.4
51 26.6 22.6 33.8





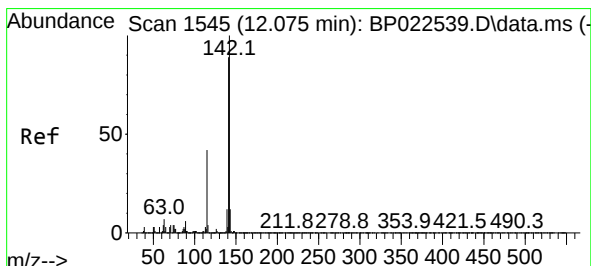
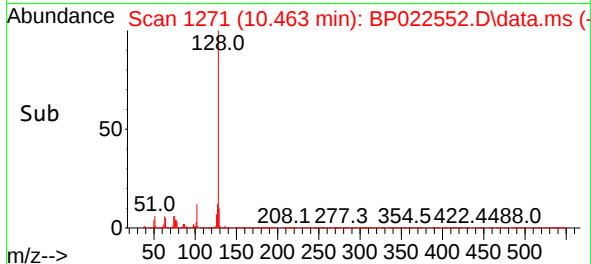
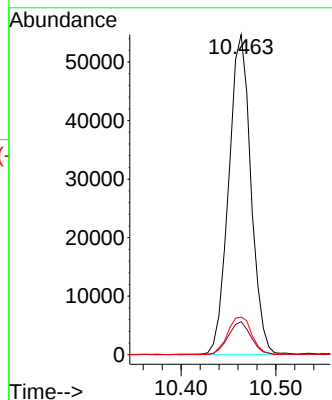
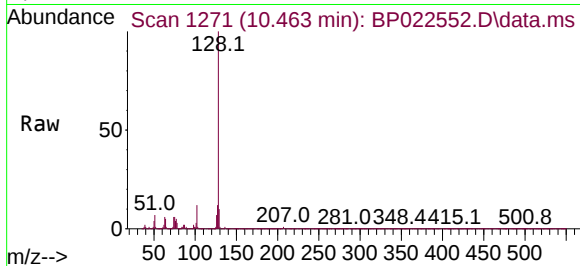
#30
Naphthalene
Concen: 3.515 ng/ul
RT: 10.463 min Scan# 1271
Delta R.T. -0.005 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

Instrument :
BNA_P
ClientSampleId :
A4FA8

Tgt Ion:128 Resp: 8907
Ion Ratio Lower Upper
128 100
129 10.3 8.6 12.8
127 11.7 9.9 14.9

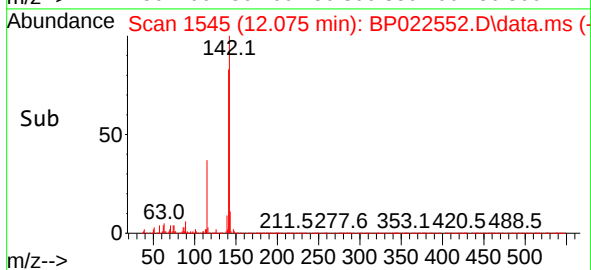
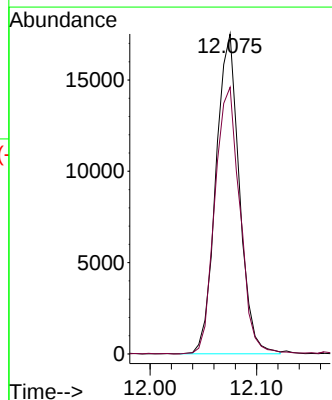
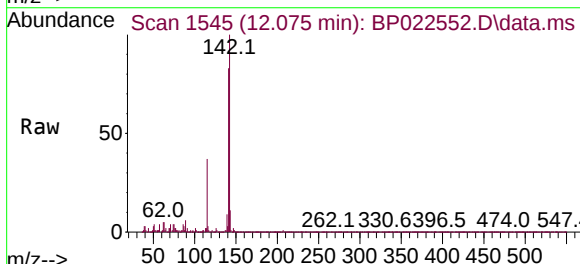
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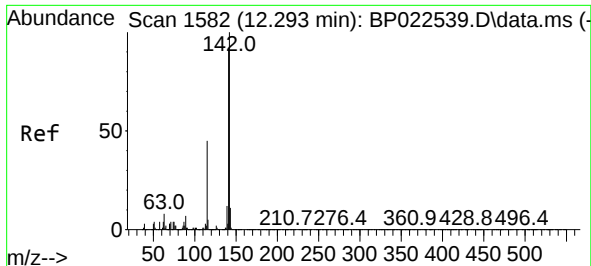
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024



#36
2-Methylnaphthalene
Concen: 1.437 ng/ul
RT: 12.075 min Scan# 1545
Delta R.T. 0.000 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

Tgt Ion:142 Resp: 26732
Ion Ratio Lower Upper
142 100
141 83.4 69.8 104.6





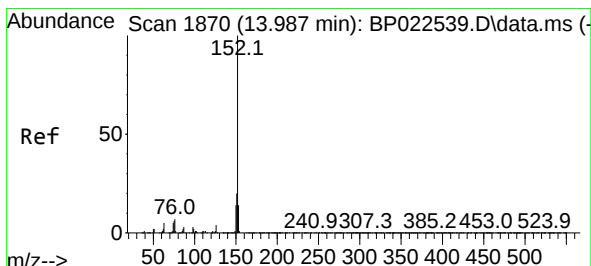
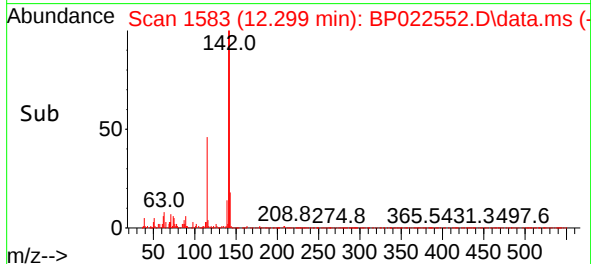
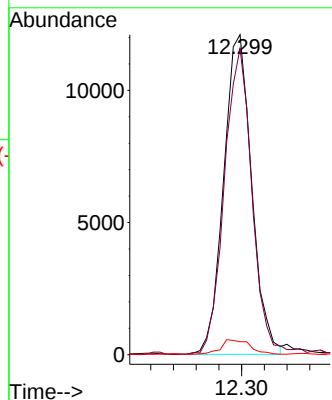
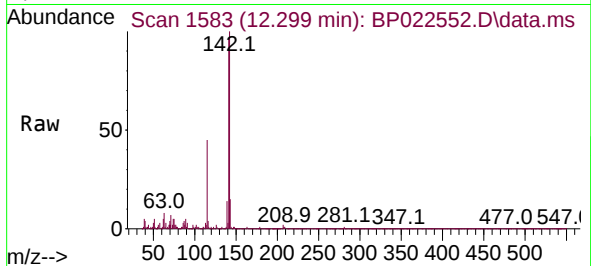
#37
1-Methylnaphthalene
Concen: 1.090 ng/ul
RT: 12.299 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

Instrument :
BNA_P
ClientSampleId :
A4FA8

Tgt Ion:142 Resp: 20694
Ion Ratio Lower Upper
142 100
141 95.8 74.8 112.2
116 4.0 4.1 6.1

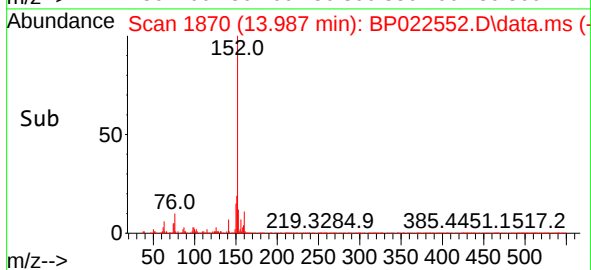
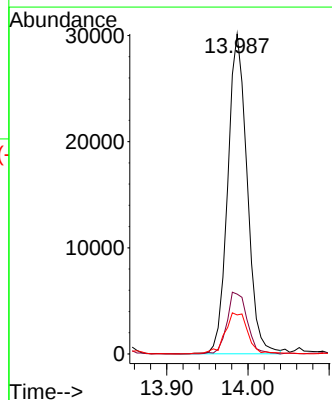
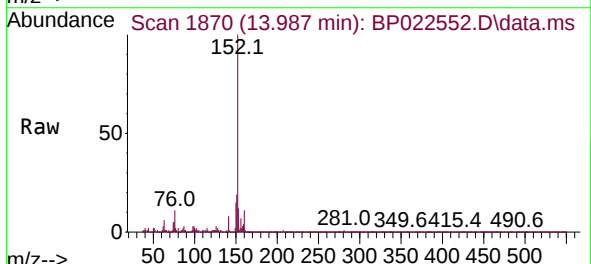
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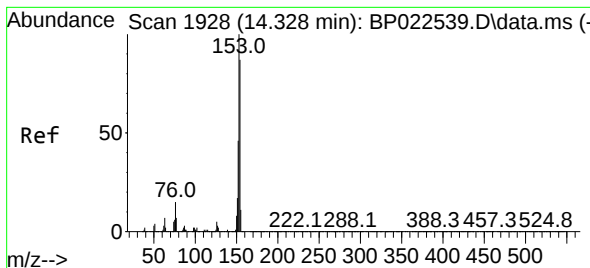
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024



#50
Acenaphthylene
Concen: 1.579 ng/ul
RT: 13.987 min Scan# 1870
Delta R.T. -0.005 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

Tgt Ion:152 Resp: 49900
Ion Ratio Lower Upper
152 100
151 18.7 15.8 23.6
153 12.2 10.3 15.5





#52

Acenaphthene

Concen: 3.952 ng/ul

RT: 14.334 min Scan# 1928

Delta R.T. 0.000 min

Lab File: BP022552.D

Acq: 23 Oct 2024 01:14

Instrument :

BNA_P

ClientSampleId :

A4FA8

Tgt Ion:153 Resp: 8834

Ion Ratio Lower Upper

153 100

152 47.5 37.8 56.6

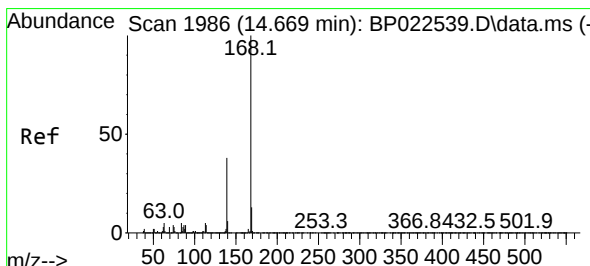
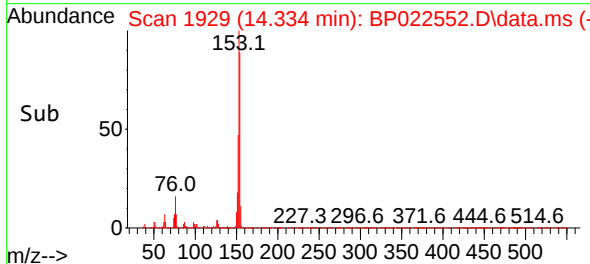
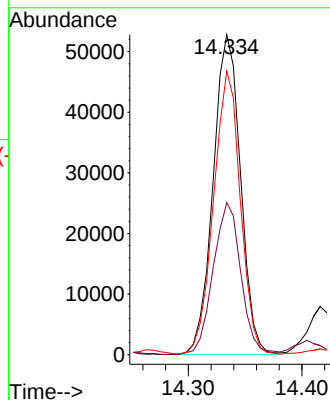
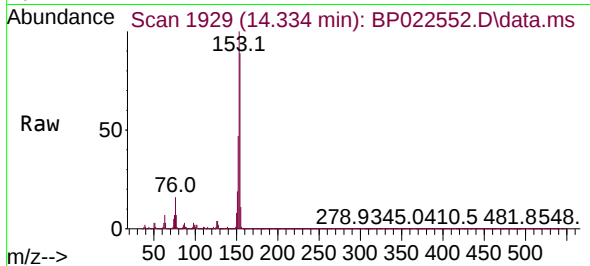
154 88.6 69.5 104.3

Manual Integrations

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#56

Dibenzofuran

Concen: 3.481 ng/ul

RT: 14.681 min Scan# 1988

Delta R.T. 0.006 min

Lab File: BP022552.D

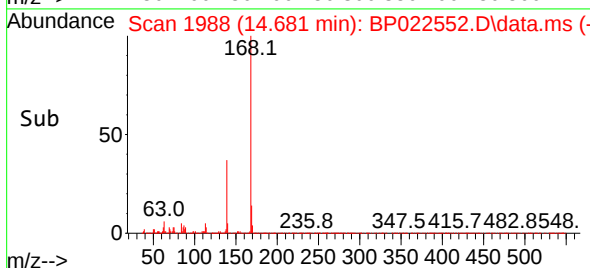
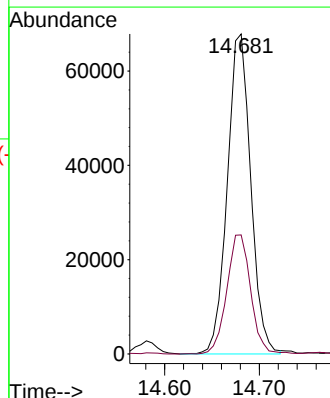
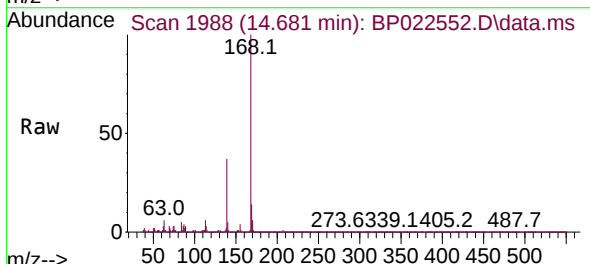
Acq: 23 Oct 2024 01:14

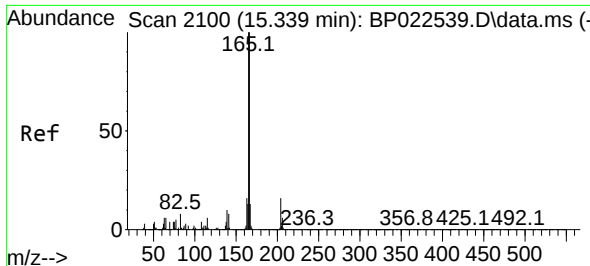
Tgt Ion:168 Resp: 116874

Ion Ratio Lower Upper

168 100

139 37.2 30.2 45.2





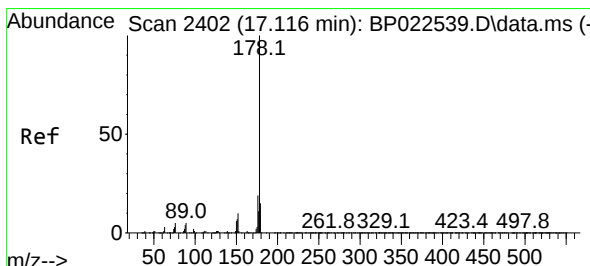
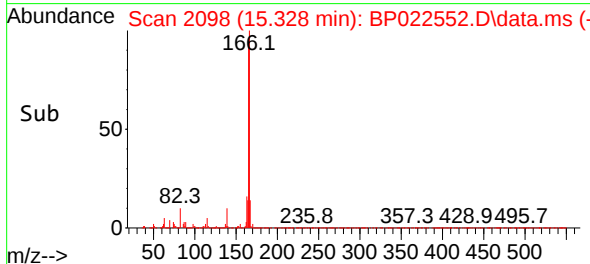
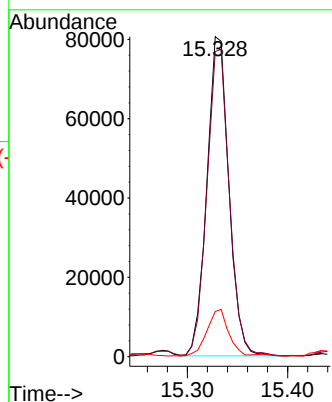
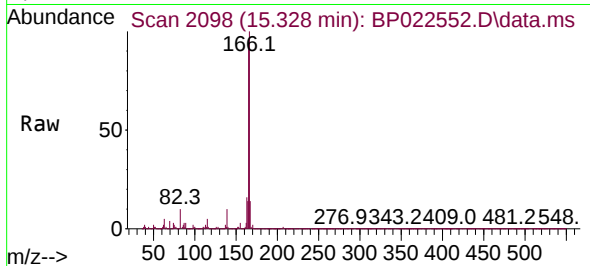
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Fluorene
Concen: 4.509 ng/ul
RT: 15.328 min Scan# 2098
Delta R.T. -0.011 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:166 Resp: 123359
Ion Ratio Lower Upper
166 100
165 95.3 77.8 116.6
167 14.1 11.1 16.7

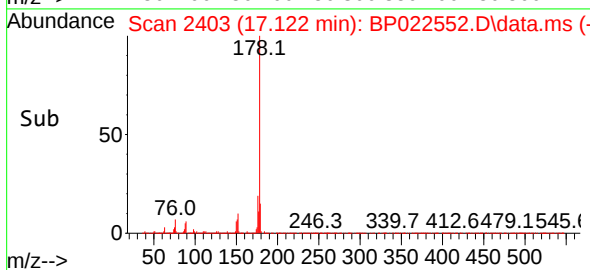
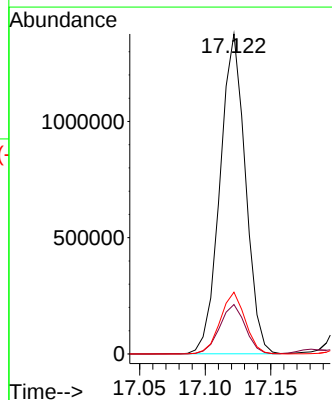
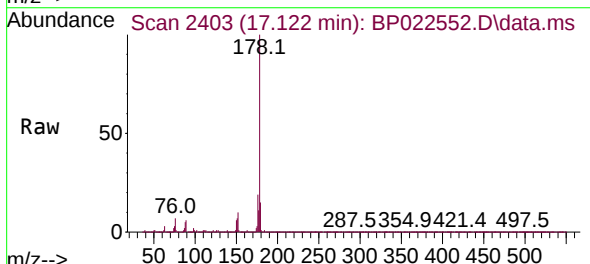
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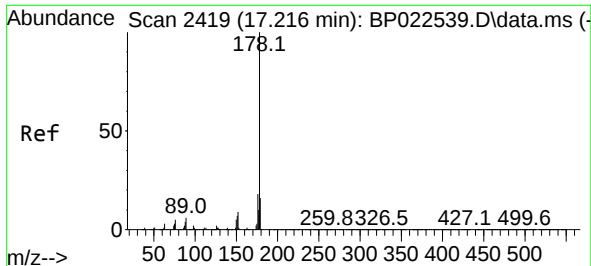
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024



#72
Phenanthrene
Concen: 40.794 ng/ul
RT: 17.122 min Scan# 2403
Delta R.T. 0.006 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

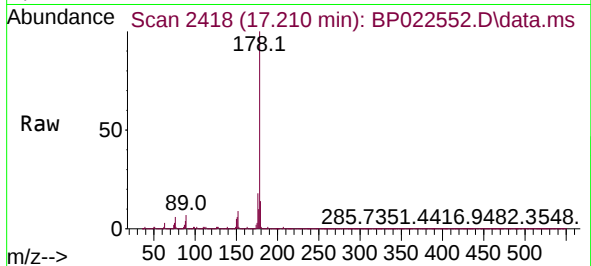
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Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.4
176 19.3 15.7 23.5





#74
 Anthracene
 Concen: 5.578 ng/u1
 RT: 17.210 min Scan# 2419
 Delta R.T. 0.006 min
 Lab File: BP022552.D
 Acq: 23 Oct 2024 01:14

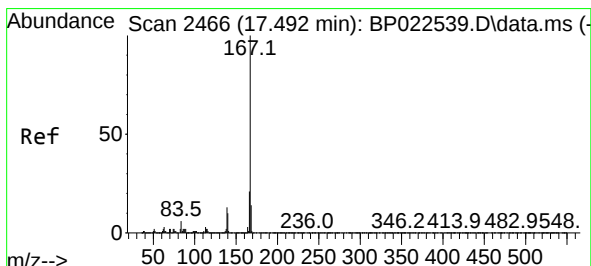
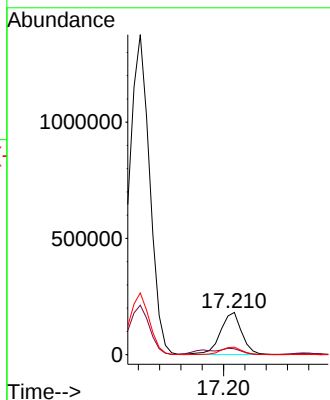
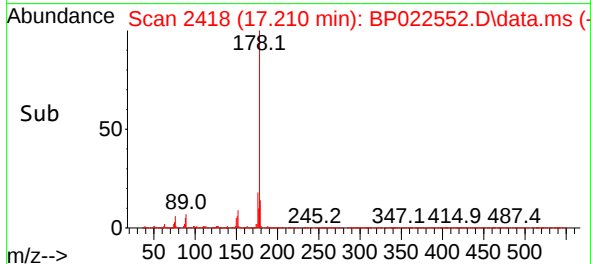
Instrument :
 BNA_P
 ClientSampleId :
 A4FA8



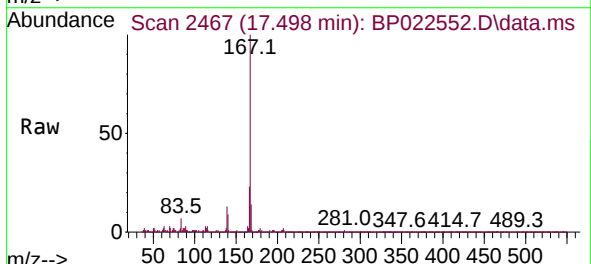
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 Ion Ratio Lower Upper
 178 100
 179 14.1 12.0 18.0
 176 18.0 15.0 22.4

Manual Integrations
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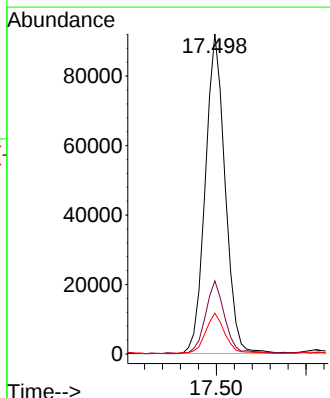
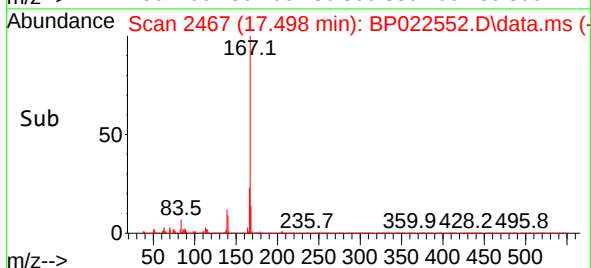
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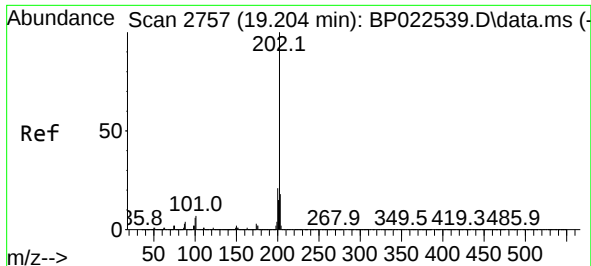


#77
 Carbazole
 Concen: 3.510 ng/u1
 RT: 17.498 min Scan# 2467
 Delta R.T. 0.000 min
 Lab File: BP022552.D
 Acq: 23 Oct 2024 01:14



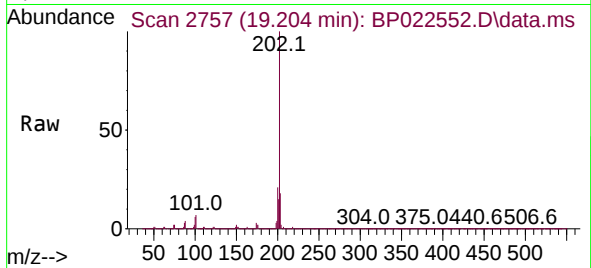
Tgt Ion:167 Resp: 141063
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.0 25.6
 139 12.7 10.3 15.5





#80
Fluoranthene
Concen: 46.263 ng/u1
RT: 19.204 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

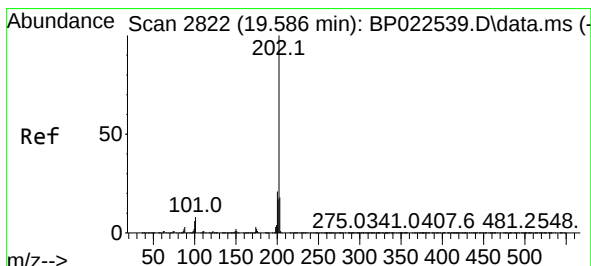
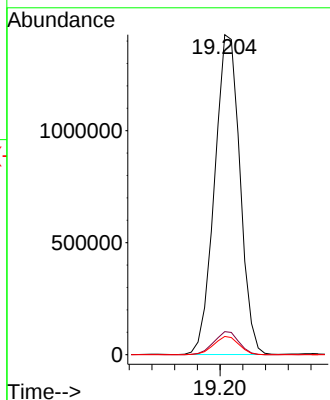
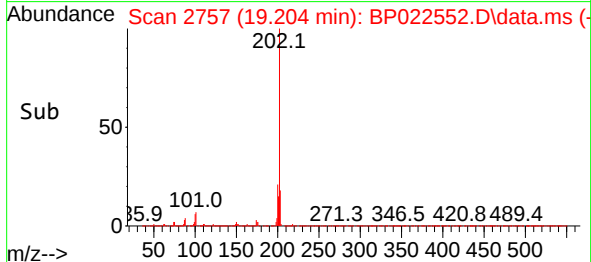
Instrument :
BNA_P
ClientSampleId :
A4FA8



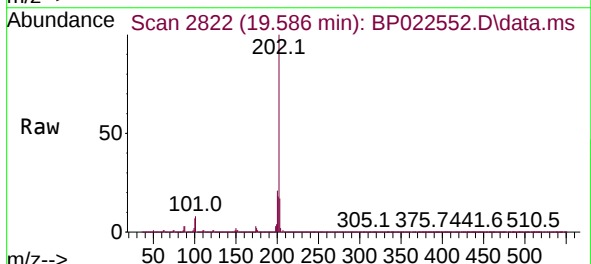
Tgt Ion:202 Resp: 221192
Ion Ratio Lower Upper
202 100
101 7.2 5.8 8.8
100 5.7 4.5 6.7

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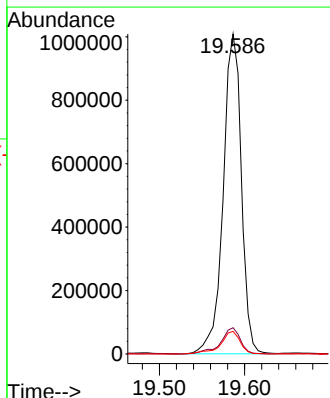
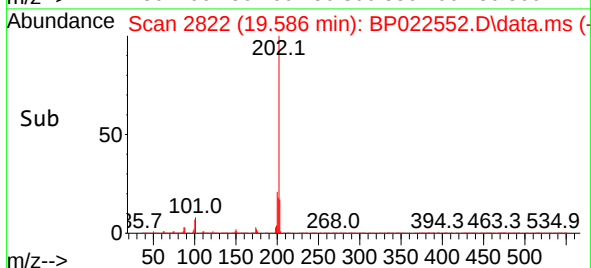
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024

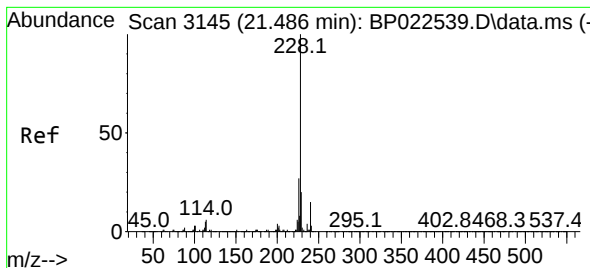


#82
Pyrene
Concen: 29.133 ng/u1
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14



Tgt Ion:202 Resp: 1492922
Ion Ratio Lower Upper
202 100
101 8.2 6.7 10.1
100 7.1 5.8 8.6





#85

Benzo(a)anthracene

Concen: 12.939 ng/ul

RT: 21.480 min Scan# 3145

Delta R.T. 0.000 min

Lab File: BP022552.D

Acq: 23 Oct 2024 01:14

Instrument :

BNA_P

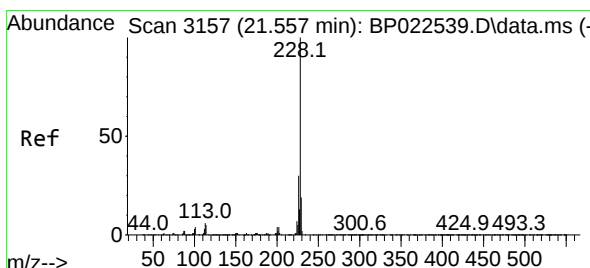
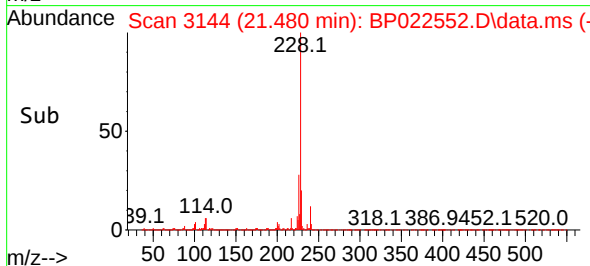
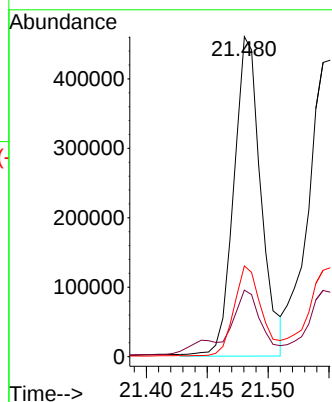
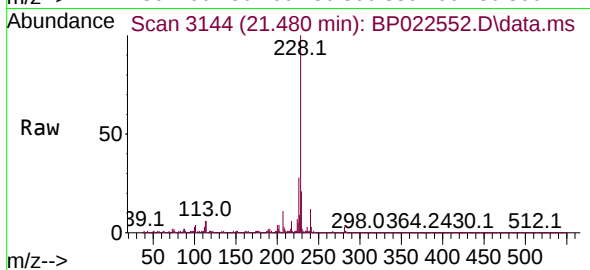
ClientSampleId :

A4FA8

Tgt Ion:228 Resp: 713392
 Ion Ratio Lower Upper
 228 100
 229 20.8 15.4 23.0
 226 28.4 21.5 32.3

Manual Integrations
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Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :mohammad ahmed 10/25/2024



#87

Chrysene

Concen: 14.562 ng/ul

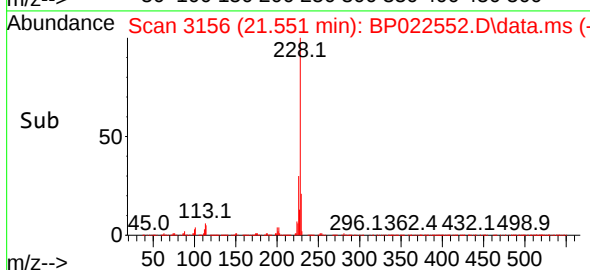
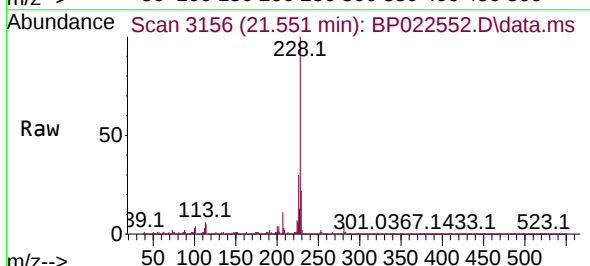
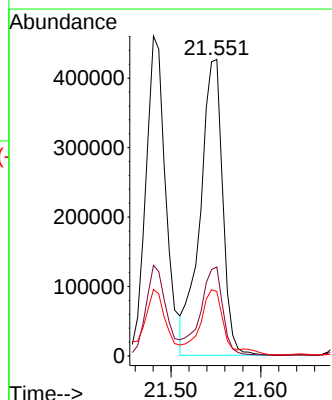
RT: 21.551 min Scan# 3156

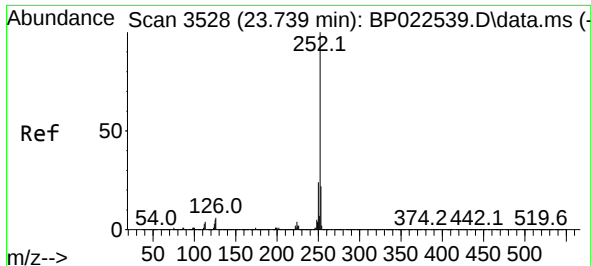
Delta R.T. 0.006 min

Lab File: BP022552.D

Acq: 23 Oct 2024 01:14

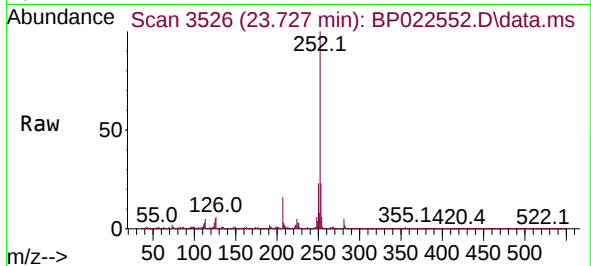
Tgt Ion:228 Resp: 744419
 Ion Ratio Lower Upper
 228 100
 226 30.0 23.8 35.8
 229 21.7 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 16.521 ng/ul
RT: 23.727 min Scan# 3526
Delta R.T. 0.006 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

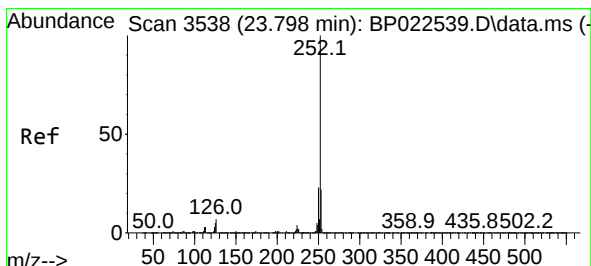
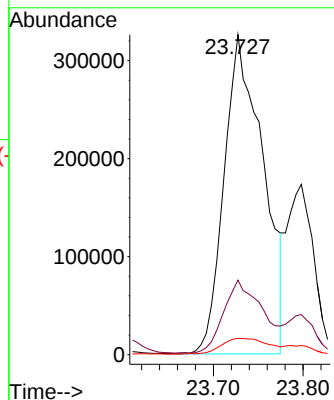
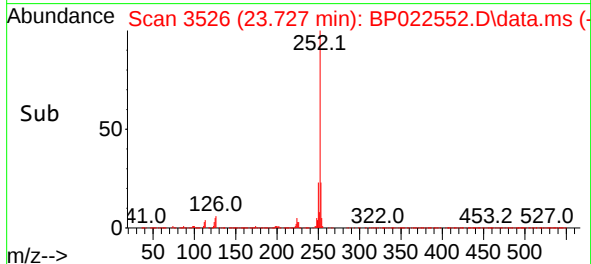
Instrument :
BNA_P
ClientSampleId :
A4FA8



Tgt Ion:252 Resp: 98218
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 5.1 5.0 7.4

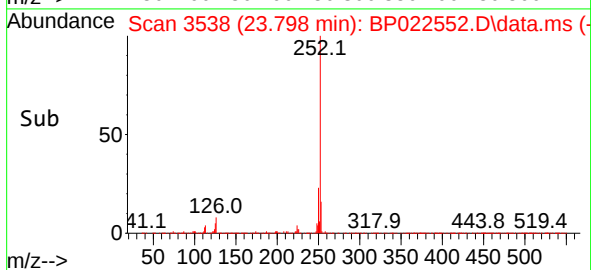
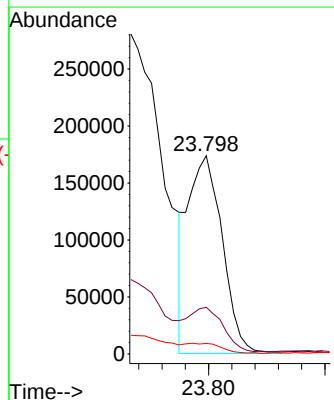
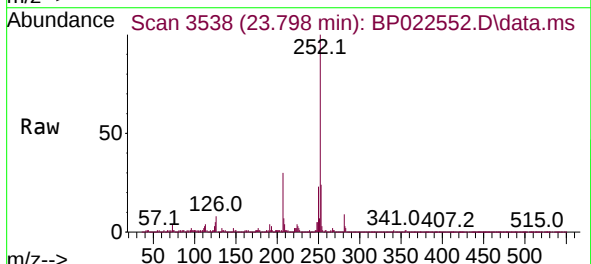
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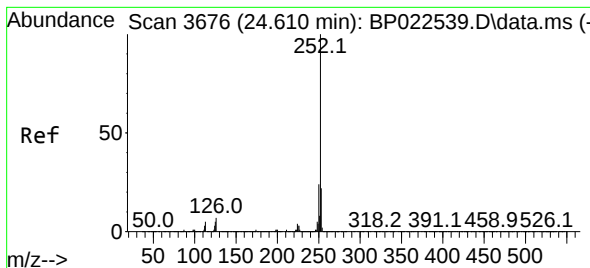
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/25/2024



#91
Benzo(k)fluoranthene
Concen: 6.123 ng/ul m
RT: 23.798 min Scan# 3538
Delta R.T. 0.006 min
Lab File: BP022552.D
Acq: 23 Oct 2024 01:14

Tgt Ion:252 Resp: 356392
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 5.4 4.6 6.8





#93

Benzo(a)pyrene

Concen: 7.743 ng/ul

RT: 24.616 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP022552.D

Acq: 23 Oct 2024 01:14

Instrument :

BNA_P

ClientSampleId :

A4FA8

Tgt Ion:252 Resp: 42366

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

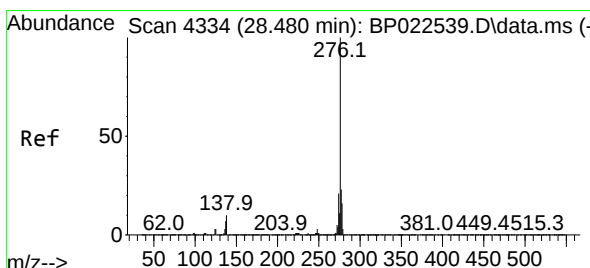
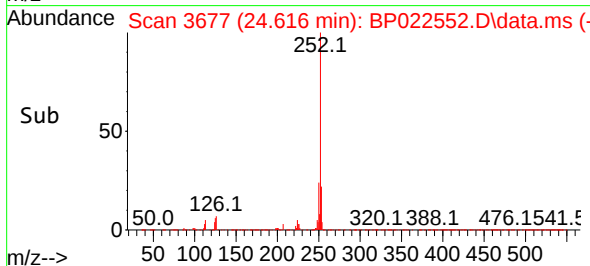
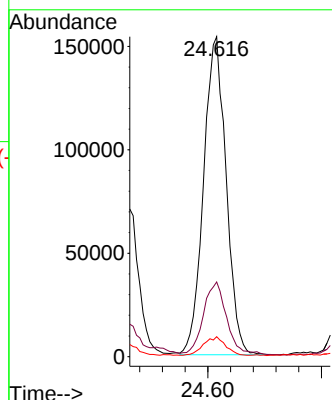
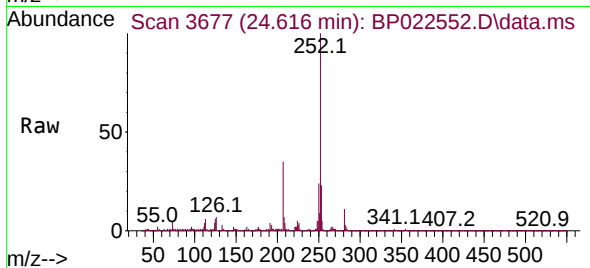
125 6.3 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/23/2024

Supervised By :mohammad ahmed 10/25/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.176 ng/ul

RT: 28.451 min Scan# 4329

Delta R.T. 0.018 min

Lab File: BP022552.D

Acq: 23 Oct 2024 01:14

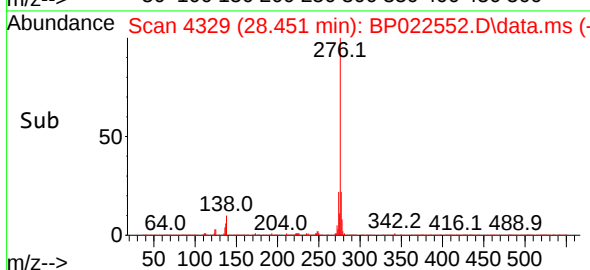
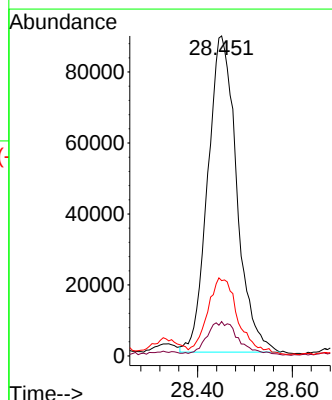
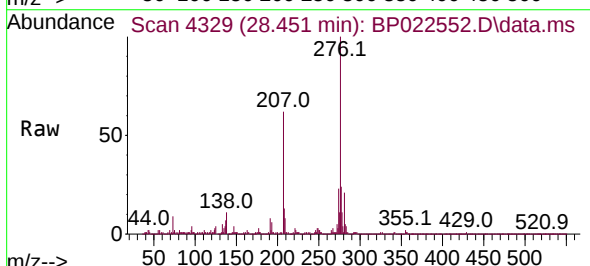
Tgt Ion:276 Resp: 377930

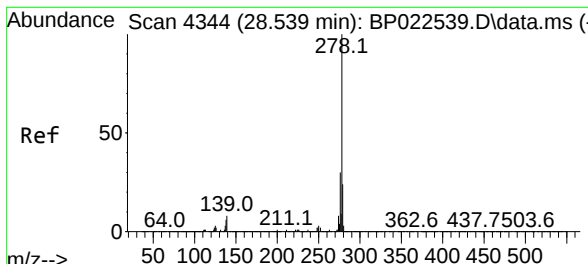
Ion Ratio Lower Upper

276 100

138 10.8 9.1 13.7

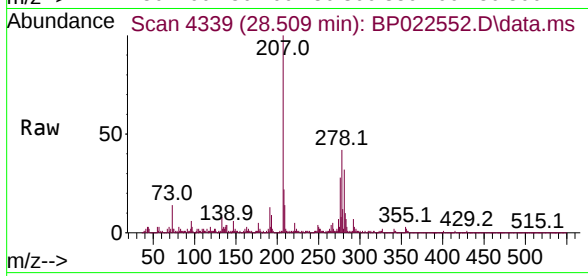
277 23.6 18.6 27.8





#95
 Dibenzo(a,h)anthracene
 Concen: 1.989 ng/ul m
 RT: 28.509 min Scan# 4344
 Delta R.T. -0.005 min
 Lab File: BP022552.D
 Acq: 23 Oct 2024 01:14

Instrument : BNA_P
 ClientSampleId : A4FA8



Tgt Ion: 278 Resp: 11759

Ion	Ratio	Lower	Upper
278	100		
139	8.4	7.3	10.9
279	27.5	19.0	28.4

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :mohammad ahmed 10/25/2024

