

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015644.D
 Acq On : 22 Jun 2023 13:25
 Operator : MA/JU
 Sample : 03083-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFK4

Manual Integrations
 APPROVED

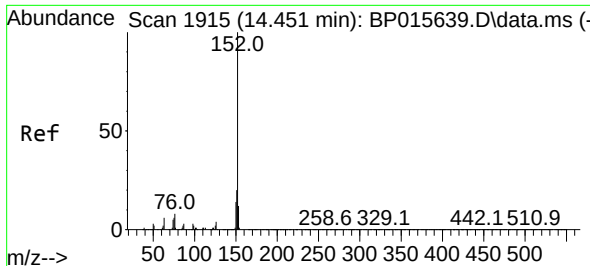
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 22 22:34:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

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

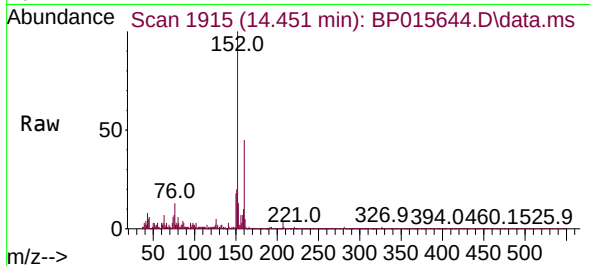
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	130533	20.000	ng/u1	0.00
20) Naphthalene-d8	10.905	136	572204	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.728	164	367647	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.486	188	742961	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	477009	20.000	ng/u1	0.00
88) Perylene-d12	24.127	264	572044	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	10287	2.918	ng/uL	0.00
4) Pyridine-d5	3.846	84	91341	9.976	ng/u1	0.00
7) Phenol-d5	7.240	99	192230	15.985	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.399	67	126242	17.578	ng/u1	0.00
11) 2-Chlorophenol-d4	7.605	132	160342	18.390	ng/u1	0.00
15) 4-Methylphenol-d8	8.799	113	147042	14.899	ng/u1	0.00
21) Nitrobenzene-d5	9.258	128	81409	18.122	ng/u1	0.00
24) 2-Nitrophenol-d4	9.987	143	89995	17.542	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.540	165	160966	17.200	ng/u1	0.00
31) 4-Chloroaniline-d4	11.063	131	129137	9.613	ng/u1	0.01
46) Dimethylphthalate-d6	14.134	166	573346	19.777	ng/u1	0.00
49) Acenaphthylene-d8	14.422	160	626561	19.765	ng/u1	0.00
54) 4-Nitrophenol-d4	14.969	143	51854m	9.988	ng/u1	0.02
60) Fluorene-d10	15.722	176	465972	19.060	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.863	200	61474m	13.061	ng/u1	0.00
73) Anthracene-d10	17.587	188	651119	19.262	ng/u1	0.00
81) Pyrene-d10	19.816	212	659986	25.851	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.963	264	583169	20.317	ng/u1	0.00
Target Compounds						
					Qvalue	
50) Acenaphthylene	14.451	152	42798	1.219	ng/u1	99
72) Phenanthrene	17.528	178	67153	1.684	ng/u1	98
80) Fluoranthene	19.492	202	271771	8.739	ng/u1	96
82) Pyrene	19.845	202	246277	7.655	ng/u1	95
85) Benzo(a)anthracene	21.563	228	151442	4.541	ng/u1	98
87) Chrysene	21.616	228	164583	5.222	ng/u1	96
90) Benzo(b)fluoranthene	23.345	252	299562	8.113	ng/u1	97
91) Benzo(k)fluoranthene	23.392	252	95167m	2.666	ng/u1	
93) Benzo(a)pyrene	24.016	252	173799	5.399	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	26.833	276	161299	3.871	ng/u1	96
95) Dibenzo(a,h)anthracene	26.839	278	44735	1.318	ng/u1#	77
96) Benzo(g,h,i)perylene	27.668	276	148793	4.334	ng/u1	96

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



#50
Acenaphthylene
Concen: 1.219 ng/ul
RT: 14.451 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25

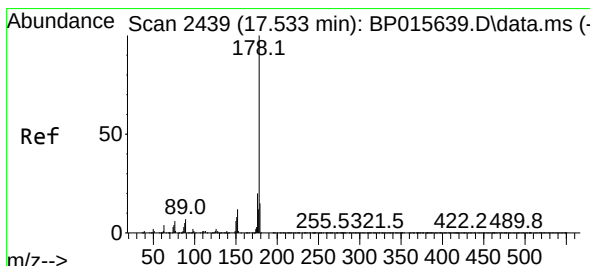
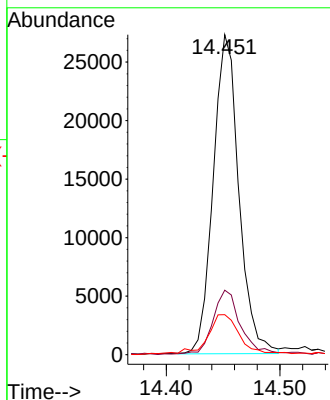
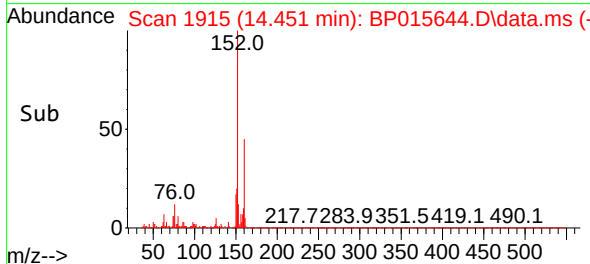
Instrument :
BNA_P
ClientSampleId :
DCFK4



Tgt Ion:152 Resp: 42798
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 12.5 10.6 15.8

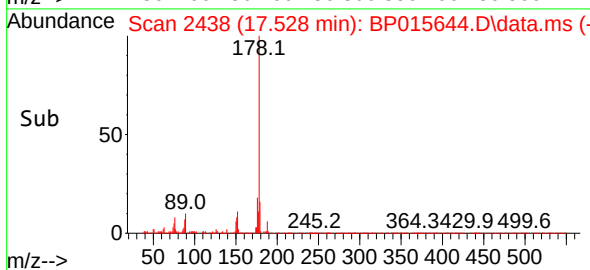
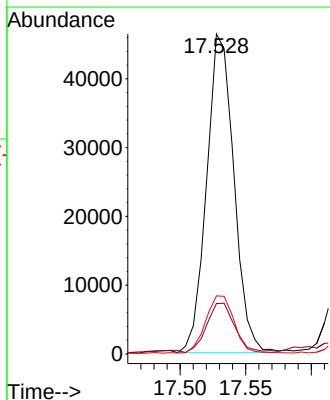
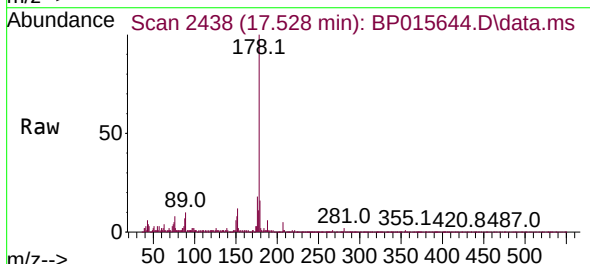
Manual Integrations
APPROVED

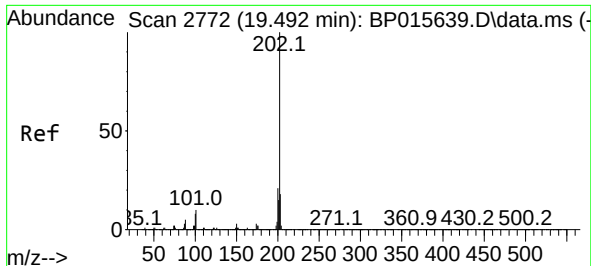
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#72
Phenanthrene
Concen: 1.684 ng/ul
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25

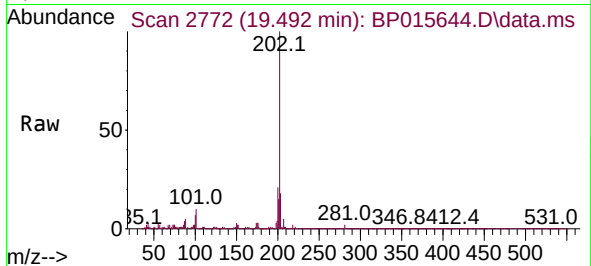
Tgt Ion:178 Resp: 67153
Ion Ratio Lower Upper
178 100
179 15.7 12.3 18.5
176 18.1 15.4 23.0





#80
Fluoranthene
Concen: 8.739 ng/u1
RT: 19.492 min Scan# 2772
Delta R.T. 0.000 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25

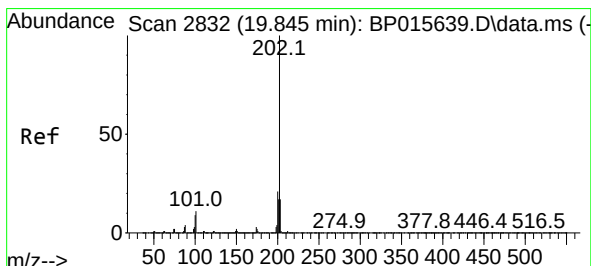
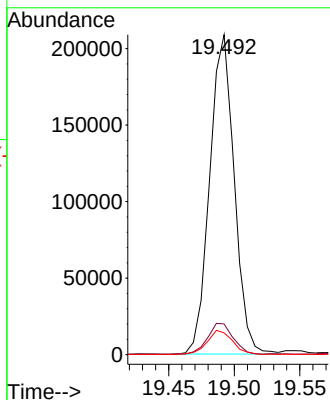
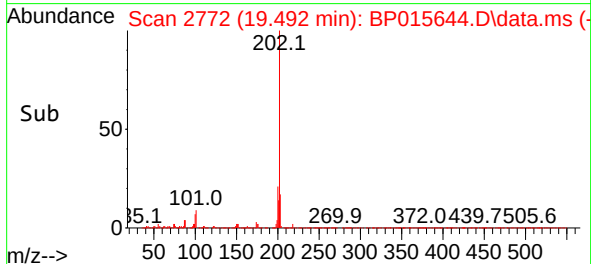
Instrument :
BNA_P
ClientSampleId :
DCFK4



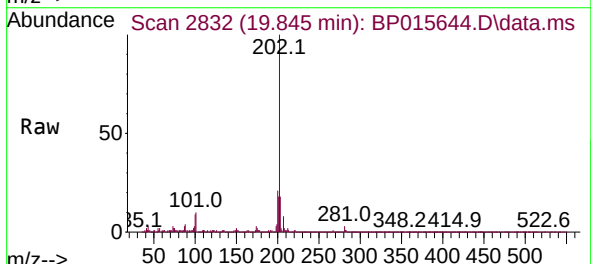
Tgt Ion:202 Resp: 271777
Ion Ratio Lower Upper
202 100
101 9.6 8.6 13.0
100 6.8 6.6 9.8

Manual Integrations
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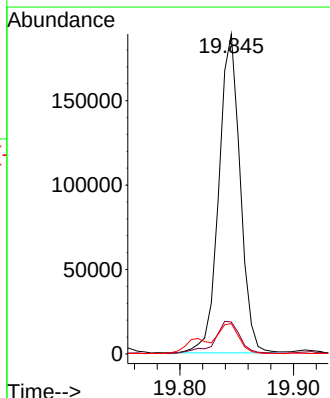
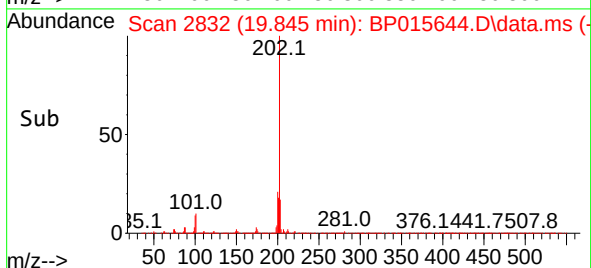
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

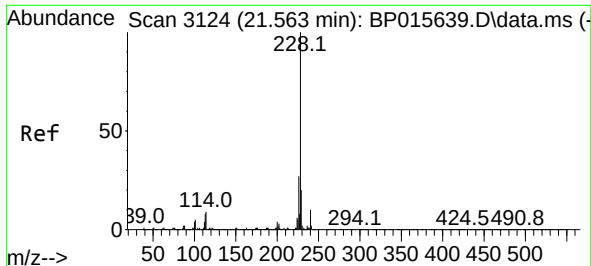


#82
Pyrene
Concen: 7.655 ng/u1
RT: 19.845 min Scan# 2832
Delta R.T. 0.000 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25



Tgt Ion:202 Resp: 246277
Ion Ratio Lower Upper
202 100
101 10.0 9.9 14.9
100 9.5 8.4 12.6





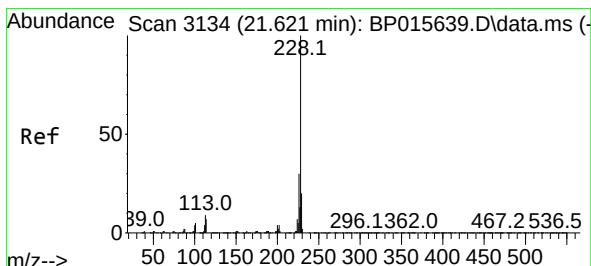
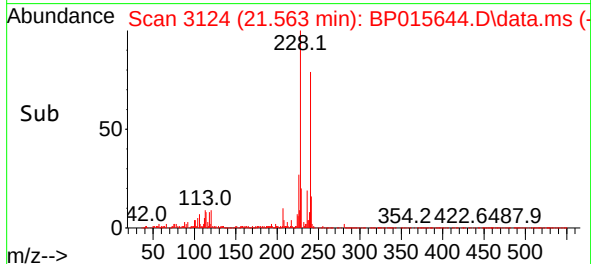
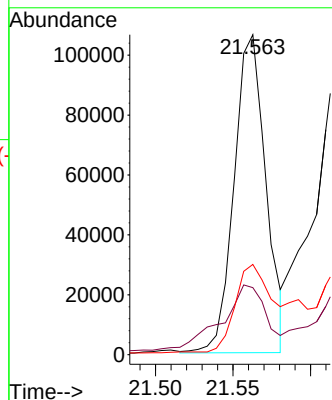
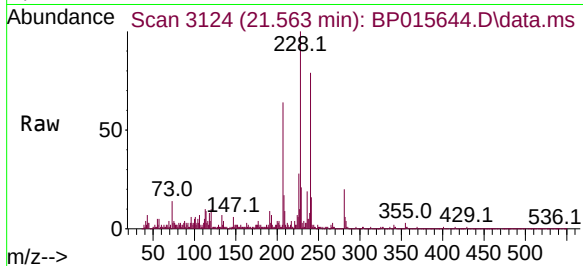
#85
Benzo(a)anthracene
Concen: 4.541 ng/ul
RT: 21.563 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25

Instrument :
BNA_P
ClientSampleId :
DCFK4

Tgt Ion:228 Resp: 15144
Ion Ratio Lower Upper
228 100
229 21.0 15.8 23.6
226 28.2 21.8 32.6

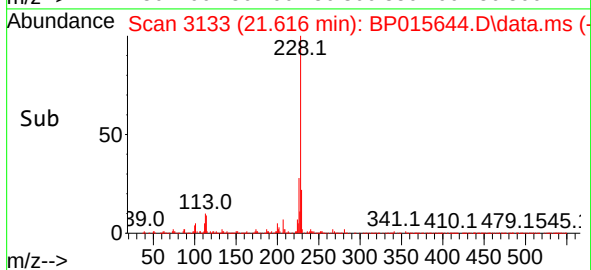
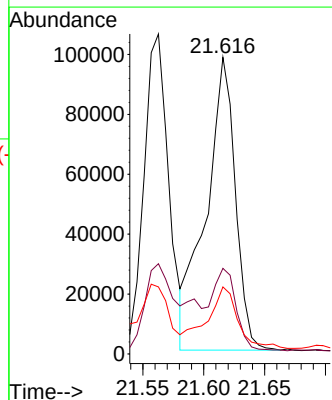
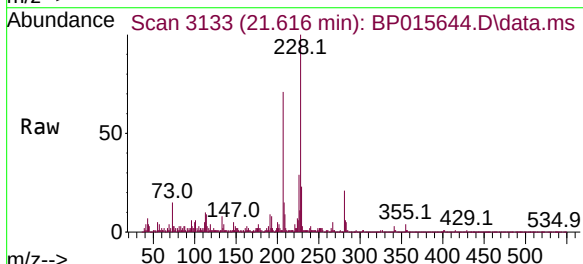
Manual Integrations
APPROVED

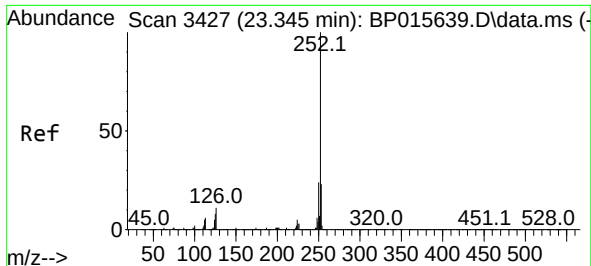
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#87
Chrysene
Concen: 5.222 ng/ul
RT: 21.616 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25

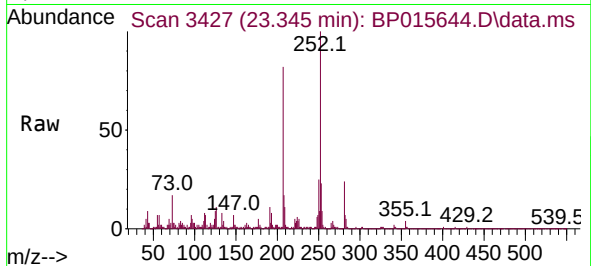
Tgt Ion:228 Resp: 164583
Ion Ratio Lower Upper
228 100
226 28.9 23.9 35.9
229 22.6 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 8.113 ng/ul
RT: 23.345 min Scan# 3427
Delta R.T. 0.000 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25

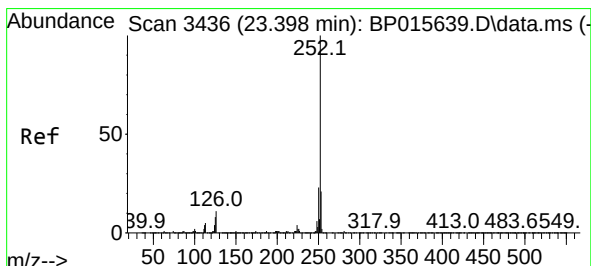
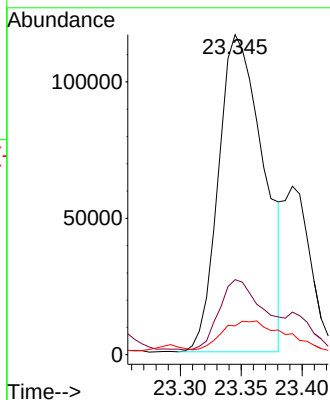
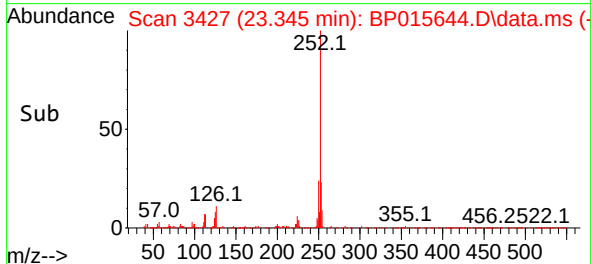
Instrument :
BNA_P
ClientSampleId :
DCFK4



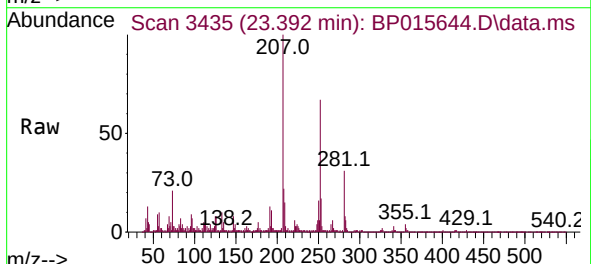
Tgt Ion:252 Resp: 299562
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 9.0 7.3 10.9

Manual Integrations
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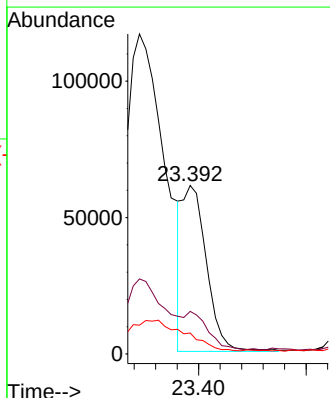
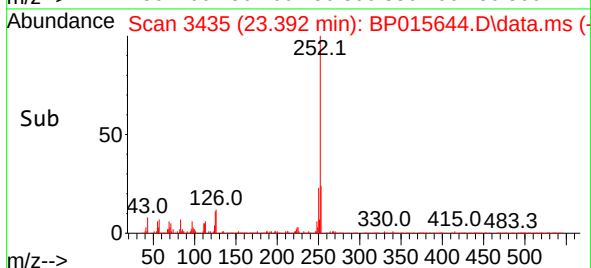
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

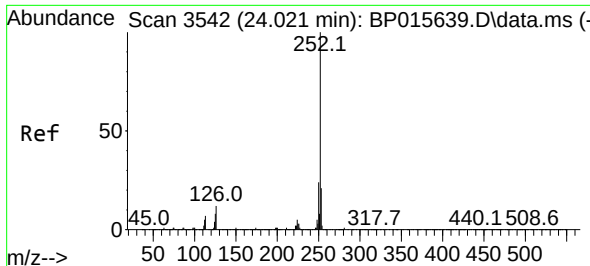


#91
Benzo(k)fluoranthene
Concen: 2.666 ng/ul m
RT: 23.392 min Scan# 3435
Delta R.T. -0.006 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25



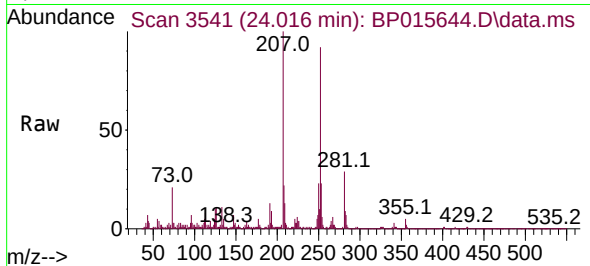
Tgt Ion:252 Resp: 95167
Ion Ratio Lower Upper
252 100
253 25.3 17.7 26.5
125 12.4 7.3 10.9#





#93
Benzo(a)pyrene
Concen: 5.399 ng/ul
RT: 24.016 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25

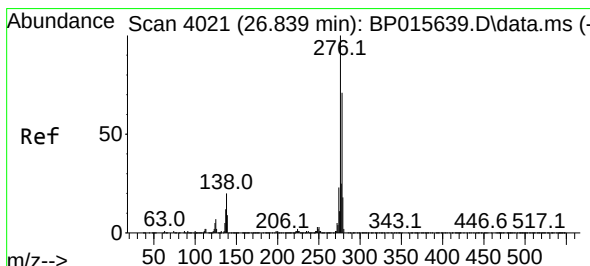
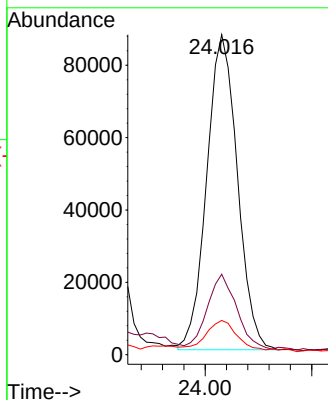
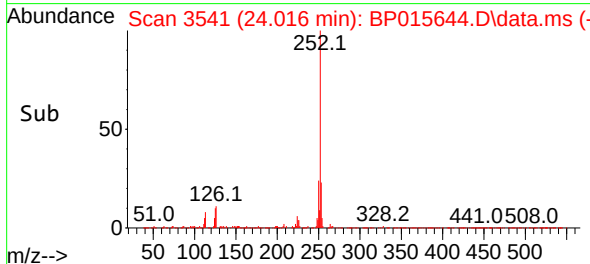
Instrument :
BNA_P
ClientSampleId :
DCFK4



Tgt Ion:252 Resp: 173799
Ion Ratio Lower Upper
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253 25.2 17.8 26.6
125 10.7 8.1 12.1

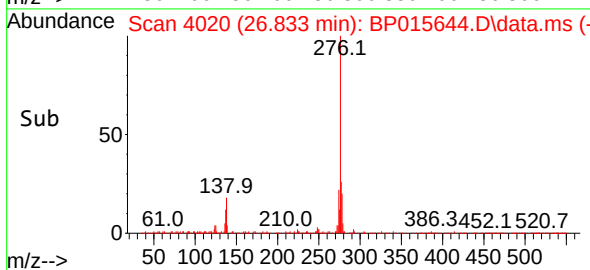
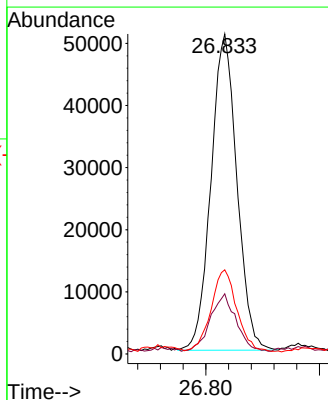
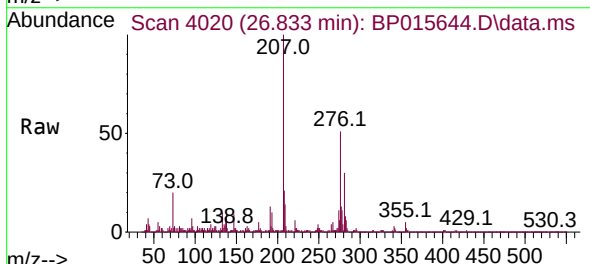
Manual Integrations
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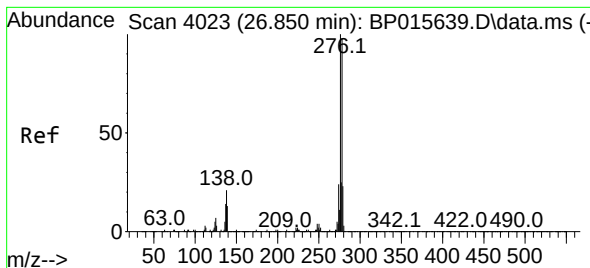
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 3.871 ng/ul
RT: 26.833 min Scan# 4020
Delta R.T. -0.006 min
Lab File: BP015644.D
Acq: 22 Jun 2023 13:25

Tgt Ion:276 Resp: 161299
Ion Ratio Lower Upper
276 100
138 18.8 17.3 25.9
277 26.3 20.2 30.2





#95

Dibenzo(a,h)anthracene

Concen: 1.318 ng/ul

RT: 26.839 min Scan# 4023

Delta R.T. -0.011 min

Lab File: BP015644.D

Acq: 22 Jun 2023 13:25

Instrument :

BNA_P

ClientSampleId :

DCFK4

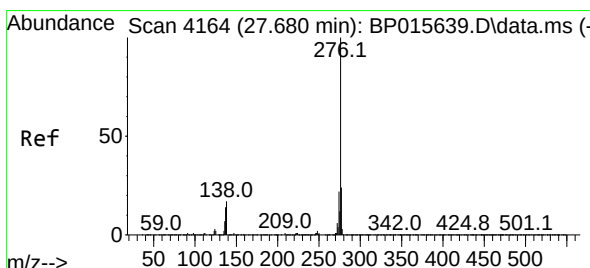
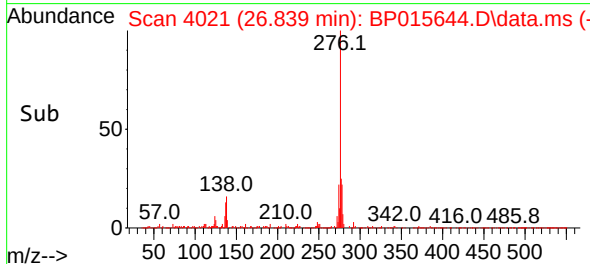
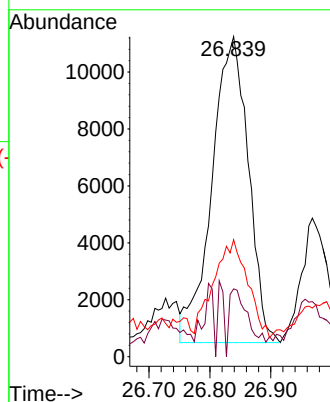
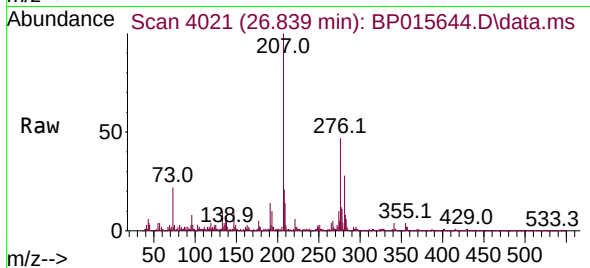
Tgt Ion:	278	Resp:	4473
Ion Ratio	Lower	Upper	
278	100		
139	21.2	11.4	17.0
279	36.5	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#96

Benzo(g,h,i)perylene

Concen: 4.334 ng/ul

RT: 27.668 min Scan# 4162

Delta R.T. -0.012 min

Lab File: BP015644.D

Acq: 22 Jun 2023 13:25

Tgt Ion:	276	Resp:	148793
Ion Ratio	Lower	Upper	
276	100		
138	16.8	15.6	23.4
277	24.6	19.0	28.6

