

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062823\
 Data File : BP015790.D
 Acq On : 28 Jun 2023 21:46
 Operator : MA/JU
 Sample : 03142-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFS3

Manual Integrations
 APPROVED

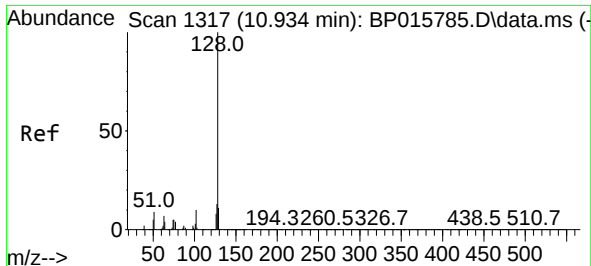
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 29 02:55:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 29 02:30:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	321126	20.000	ng/u1	0.00
20) Naphthalene-d8	10.887	136	1311795	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.704	164	693323	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.469	188	1153626	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.551	240	895405	20.000	ng/u1	# 0.00
88) Perylene-d12	24.098	264	1130592	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	28419	3.184	ng/uL	0.00
4) Pyridine-d5	3.834	84	182077	8.093	ng/u1	0.01
7) Phenol-d5	7.228	99	506640	18.439	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	360640	21.216	ng/u1	0.00
11) 2-Chlorophenol-d4	7.587	132	417996	20.153	ng/u1	0.00
15) 4-Methylphenol-d8	8.793	113	275118	12.675	ng/u1	0.00
21) Nitrobenzene-d5	9.246	128	197065	19.657	ng/u1	0.00
24) 2-Nitrophenol-d4	9.975	143	216180	18.476	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.540	165	333060	15.974	ng/u1	0.02
31) 4-Chloroaniline-d4	11.087	131	53333m	1.991	ng/u1	0.05
46) Dimethylphthalate-d6	14.116	166	1108887	20.693	ng/u1	0.00
49) Acenaphthylene-d8	14.404	160	1243085	20.635	ng/u1	0.00
54) 4-Nitrophenol-d4	14.986	143	93464m	13.216	ng/u1	0.04
60) Fluorene-d10	15.704	176	861901	19.533	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.863	200	96592m	13.615	ng/u1	0.00
73) Anthracene-d10	17.569	188	1061018	20.135	ng/u1	0.00
81) Pyrene-d10	19.792	212	1131349	19.350	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.927	264	1204917	21.127	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.940	128	132184	1.854	ng/u1	99
36) 2-Methylnaphthalene	12.557	142	76875	1.638	ng/u1	100
37) 1-Methylnaphthalene	12.763	142	52606	1.098	ng/u1#	98
50) Acenaphthylene	14.434	152	78439	1.182	ng/u1	98
72) Phenanthrene	17.510	178	430603	6.871	ng/u1	100
74) Anthracene	17.604	178	88944	1.412	ng/u1	97
80) Fluoranthene	19.469	202	862613	11.871	ng/u1#	94
82) Pyrene	19.822	202	669009	9.026	ng/u1#	89
85) Benzo(a)anthracene	21.539	228	416661	6.615	ng/u1	97
87) Chrysene	21.592	228	452146	7.566	ng/u1	97
90) Benzo(b)fluoranthene	23.315	252	747141	10.285	ng/u1#	92
91) Benzo(k)fluoranthene	23.363	252	215971m	2.942	ng/u1	
93) Benzo(a)pyrene	23.980	252	449382	7.079	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	26.798	276	408573	4.741	ng/u1#	90
95) Dibenzo(a,h)anthracene	26.798	278	101374	1.432	ng/u1#	73
96) Benzo(g,h,i)perylene	27.639	276	379968	5.360	ng/u1#	94

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



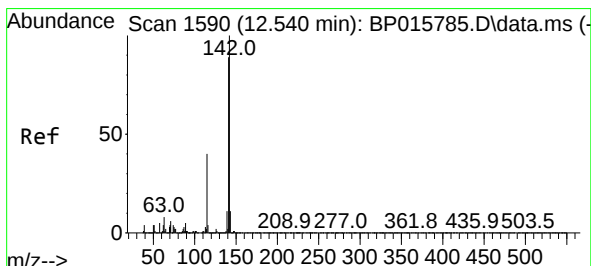
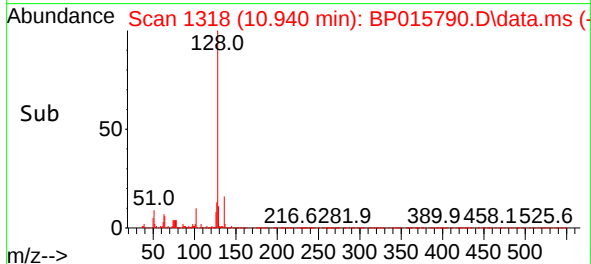
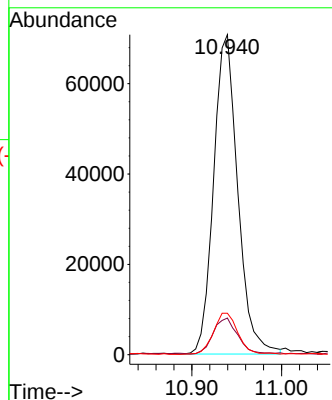
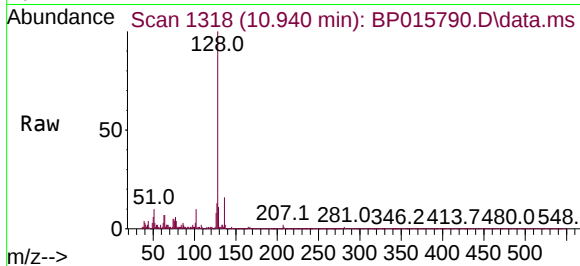
#30
Naphthalene
Concen: 1.854 ng/ul
RT: 10.940 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BP015790.D
Acq: 28 Jun 2023 21:46

Instrument :
BNA_P
ClientSampleId :
DCFS3

Tgt Ion:128 Resp: 132184
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 12.9 10.3 15.5

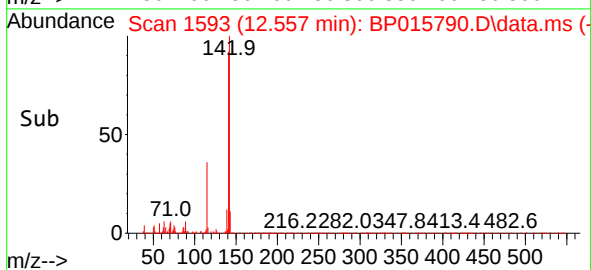
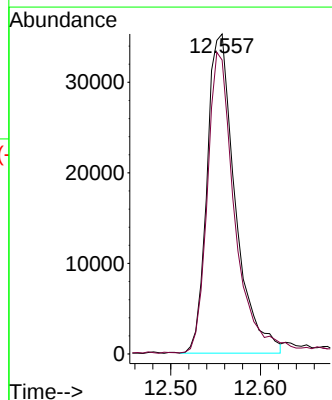
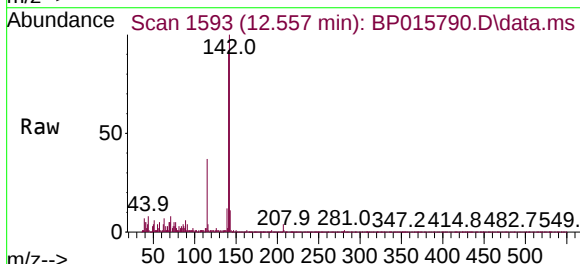
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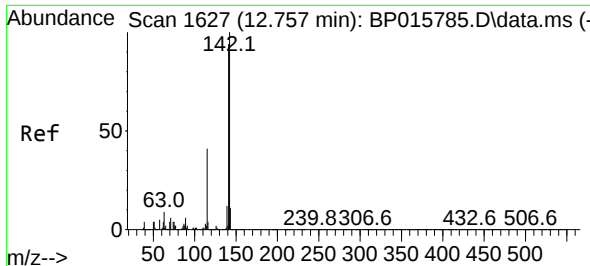
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#36
2-Methylnaphthalene
Concen: 1.638 ng/ul
RT: 12.557 min Scan# 1593
Delta R.T. 0.017 min
Lab File: BP015790.D
Acq: 28 Jun 2023 21:46

Tgt Ion:142 Resp: 76875
Ion Ratio Lower Upper
142 100
141 91.8 73.2 109.8





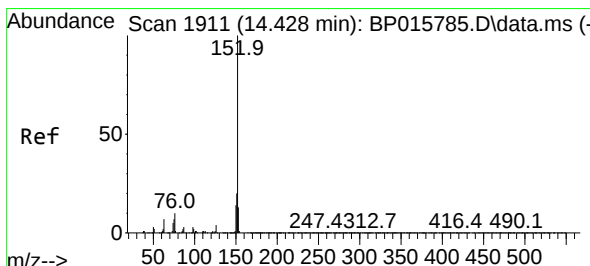
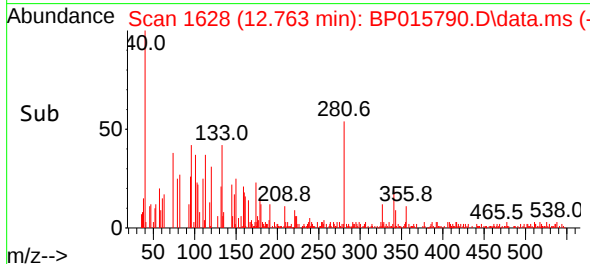
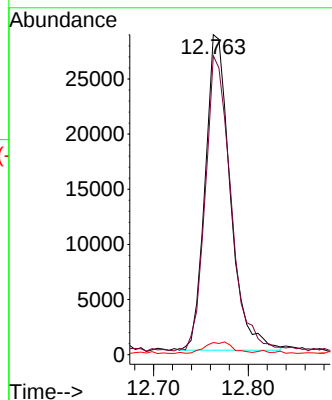
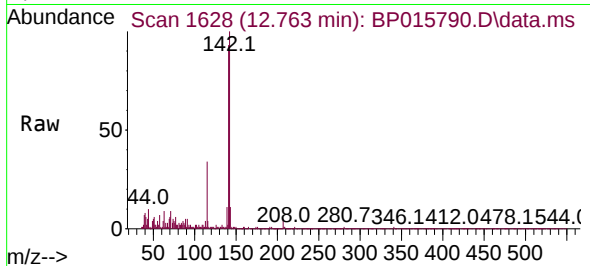
#37
1-Methylnaphthalene
Concen: 1.098 ng/ul
RT: 12.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP015790.D
Acq: 28 Jun 2023 21:46

Instrument :
BNA_P
ClientSampleId :
DCFS3

Tgt Ion:142 Resp: 52600
Ion Ratio Lower Upper
142 100
141 93.4 73.1 109.7
116 3.8 4.0 6.0

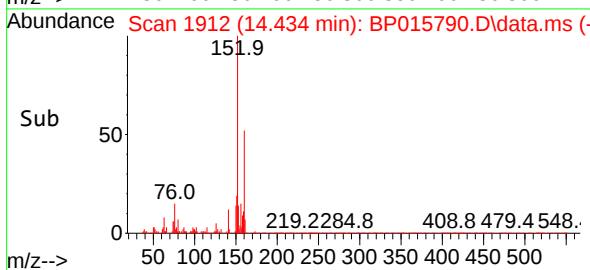
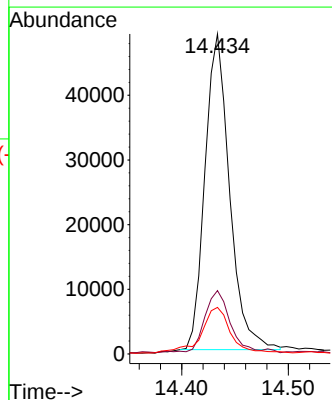
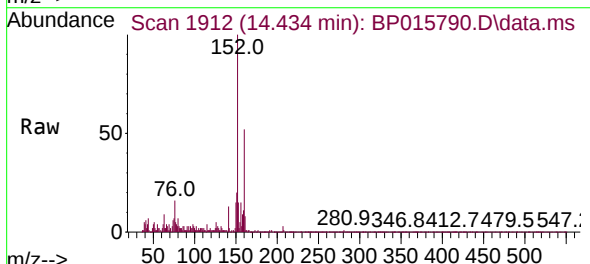
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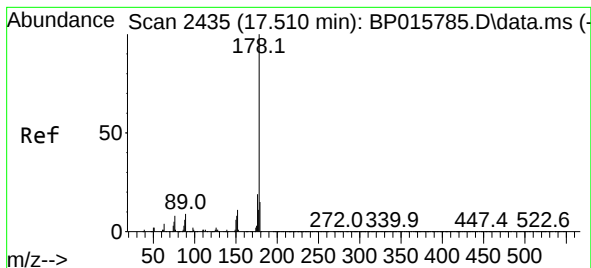
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#50
Acenaphthylene
Concen: 1.182 ng/ul
RT: 14.434 min Scan# 1912
Delta R.T. 0.006 min
Lab File: BP015790.D
Acq: 28 Jun 2023 21:46

Tgt Ion:152 Resp: 78439
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 14.5 10.5 15.7





#72

Phenanthrene

Concen: 6.871 ng/ul

RT: 17.510 min Scan# 2435

Delta R.T. -0.000 min

Lab File: BP015790.D

Acq: 28 Jun 2023 21:46

Instrument :

BNA_P

ClientSampleId :

DCFS3

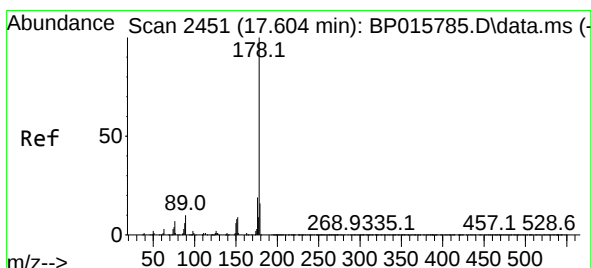
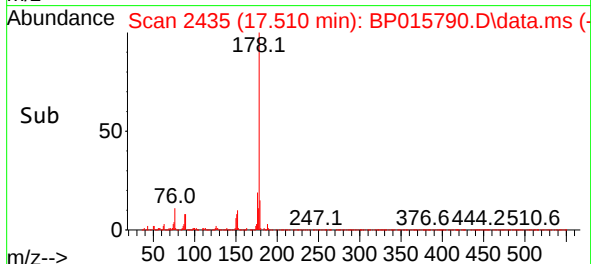
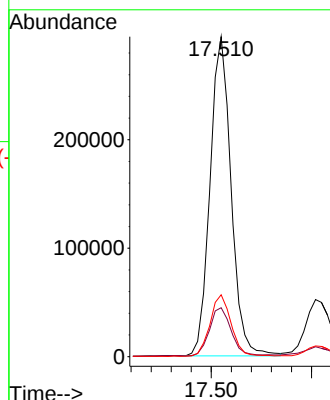
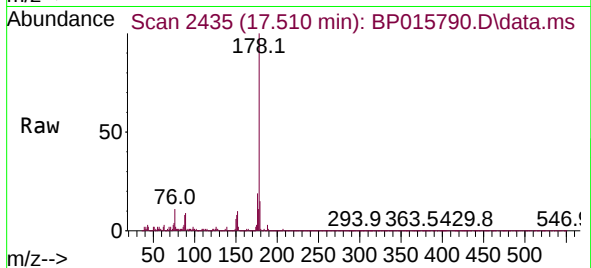
Tgt Ion:178	Resp: 43060
Ion Ratio	Lower Upper
178	100
179	15.3 12.4 18.6
176	19.4 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#74

Anthracene

Concen: 1.412 ng/ul

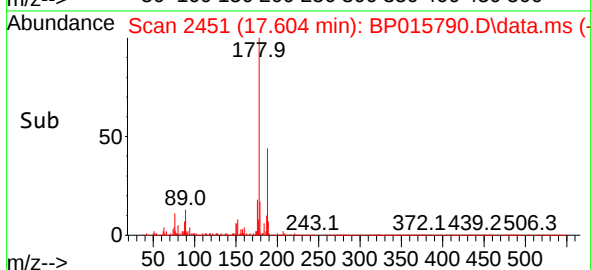
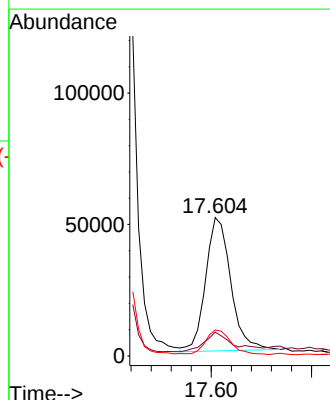
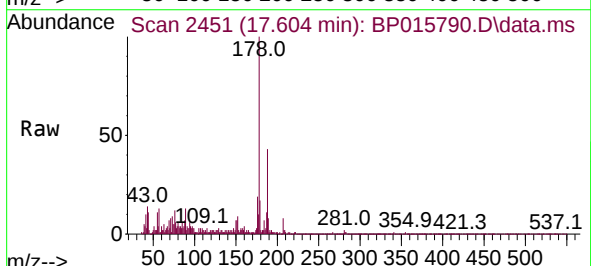
RT: 17.604 min Scan# 2451

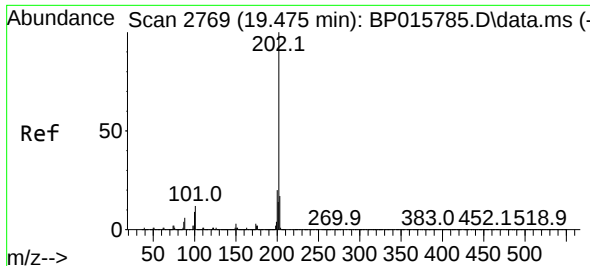
Delta R.T. -0.000 min

Lab File: BP015790.D

Acq: 28 Jun 2023 21:46

Tgt Ion:178	Resp: 88944
Ion Ratio	Lower Upper
178	100
179	17.3 12.1 18.1
176	18.8 14.6 22.0





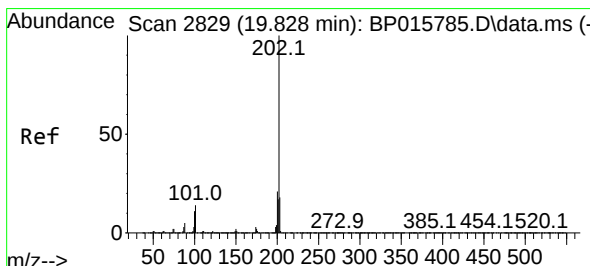
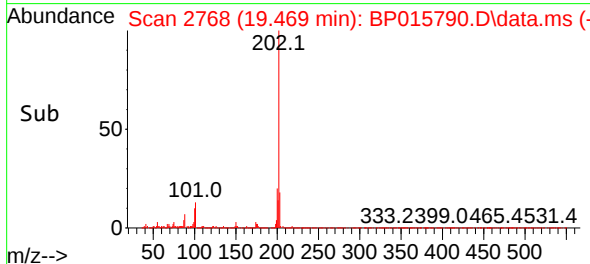
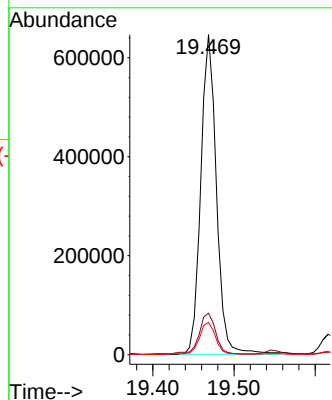
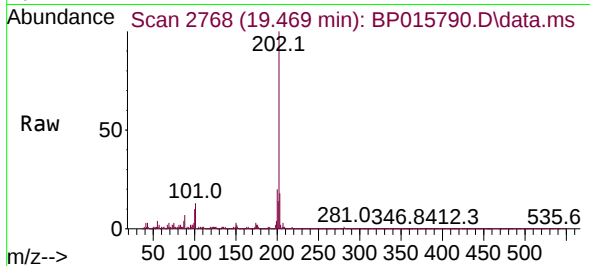
#80
Fluoranthene
Concen: 11.871 ng/u1
RT: 19.469 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP015790.D
Acq: 28 Jun 2023 21:46

Instrument :
BNA_P
ClientSampleId :
DCFS3

Tgt Ion:202 Resp: 86261
Ion Ratio Lower Upper
202 100
101 13.0 8.3 12.5
100 10.1 6.6 9.8

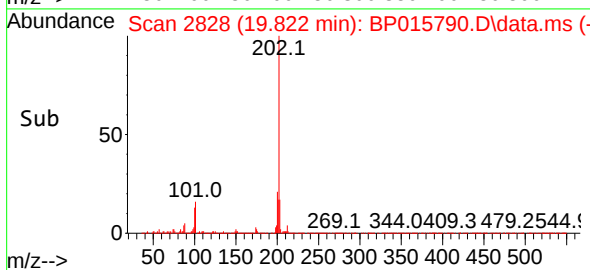
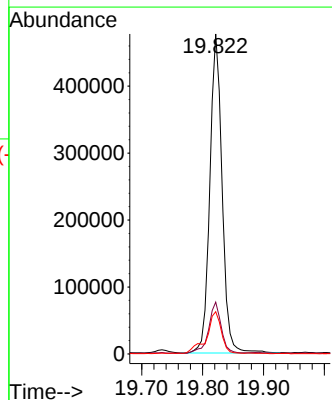
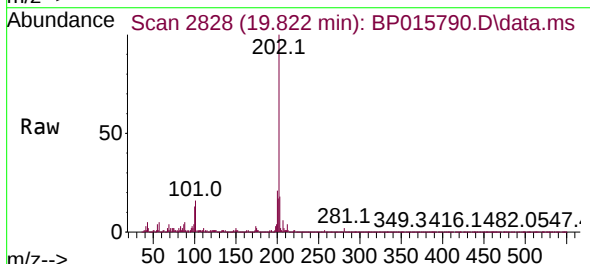
Manual Integrations
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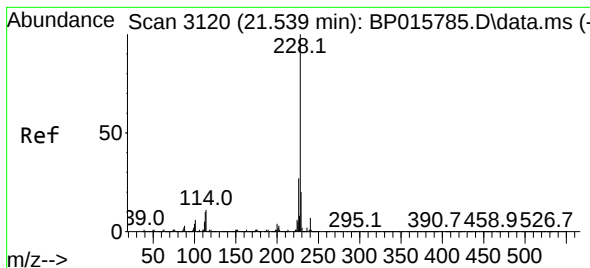
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#82
Pyrene
Concen: 9.026 ng/u1
RT: 19.822 min Scan# 2828
Delta R.T. -0.006 min
Lab File: BP015790.D
Acq: 28 Jun 2023 21:46

Tgt Ion:202 Resp: 669009
Ion Ratio Lower Upper
202 100
101 16.2 9.3 13.9#
100 13.2 7.6 11.4#





#85

Benzo(a)anthracene

Concen: 6.615 ng/ul

RT: 21.539 min Scan# 3120

Delta R.T. -0.000 min

Lab File: BP015790.D

Acq: 28 Jun 2023 21:46

Instrument :

BNA_P

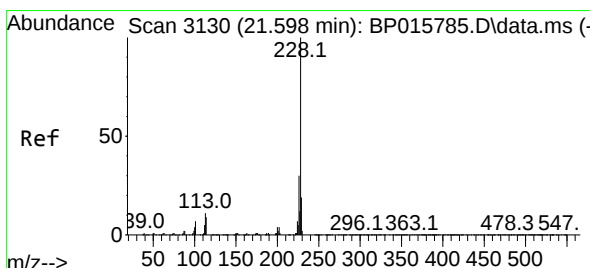
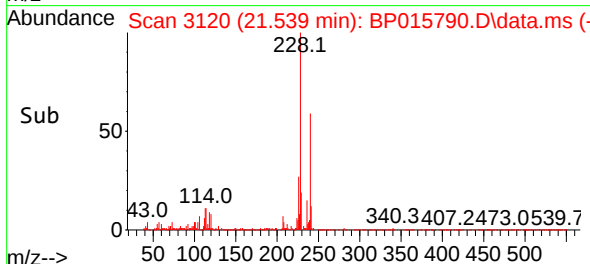
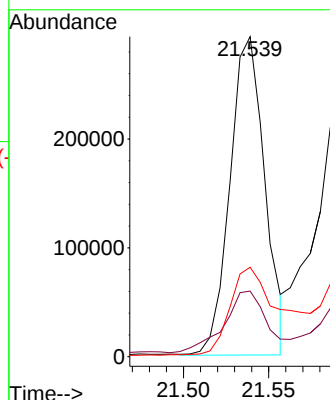
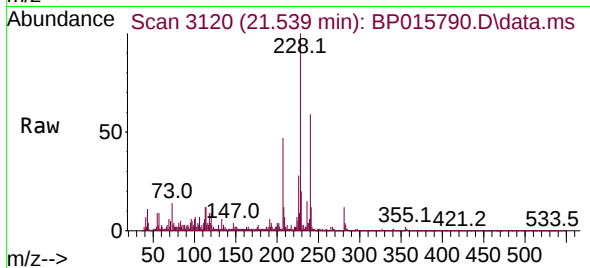
ClientSampleId :

DCFS3

Tgt Ion:228 Resp: 41666
 Ion Ratio Lower Upper
 228 100
 229 20.5 15.3 22.9
 226 28.0 21.4 32.0

Manual Integrations
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 Supervised By :mohammad ahmed 06/29/2023



#87

Chrysene

Concen: 7.566 ng/ul

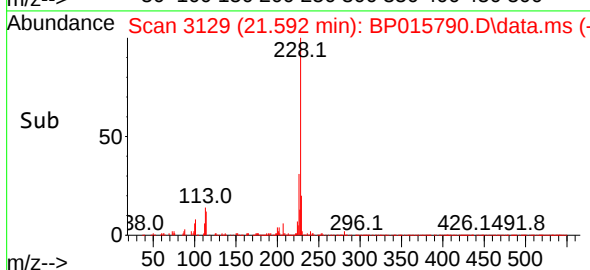
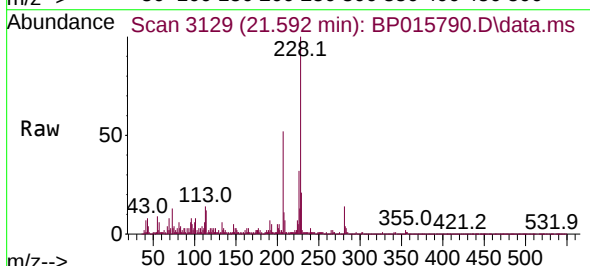
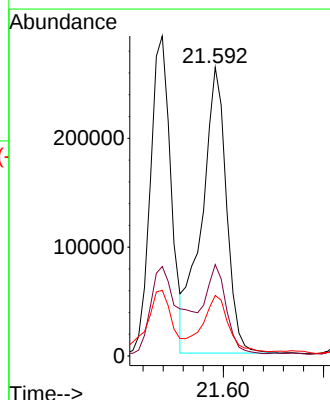
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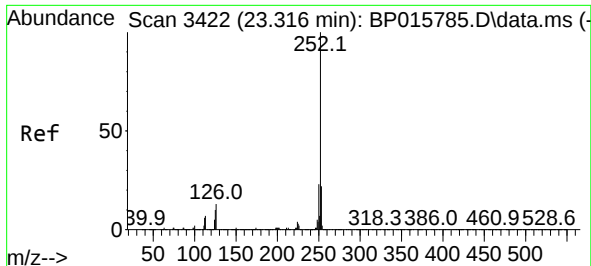
Delta R.T. -0.006 min

Lab File: BP015790.D

Acq: 28 Jun 2023 21:46

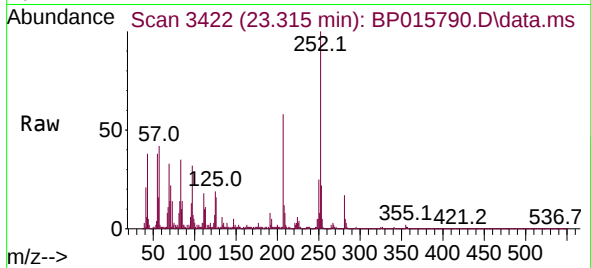
Tgt Ion:228 Resp: 452146
 Ion Ratio Lower Upper
 228 100
 226 31.7 24.3 36.5
 229 20.9 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 10.285 ng/ul
RT: 23.315 min Scan# 3422
Delta R.T. -0.000 min
Lab File: BP015790.D
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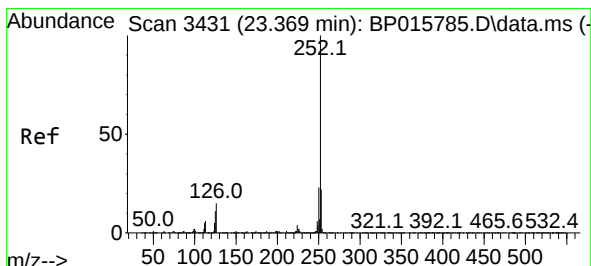
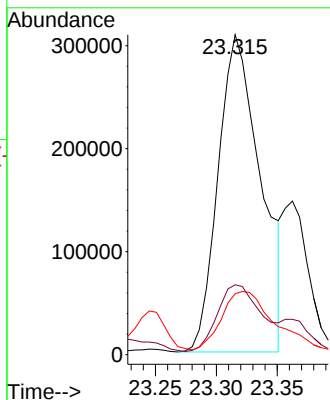
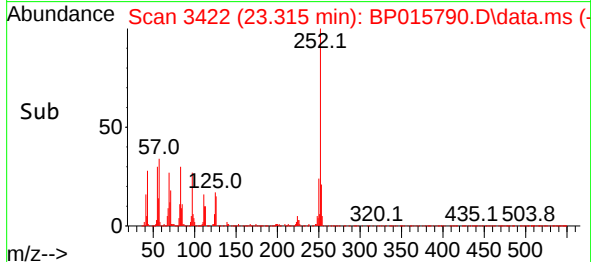
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BNA_P
ClientSampleId :
DCFS3



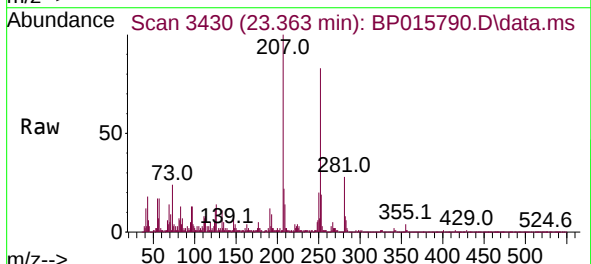
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Ion Ratio Lower Upper
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125 19.0 7.5 11.3

Manual Integrations
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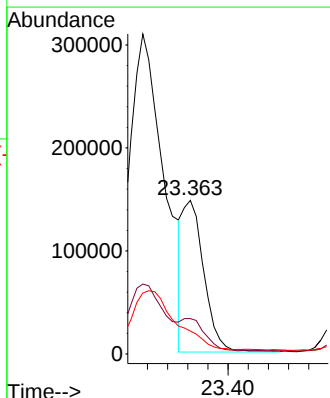
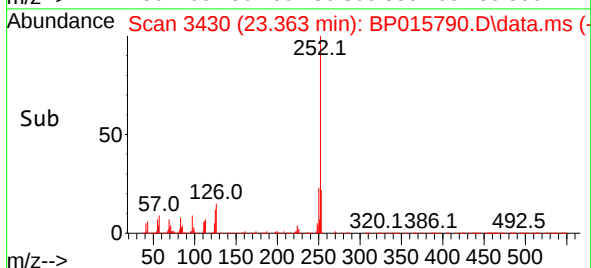
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

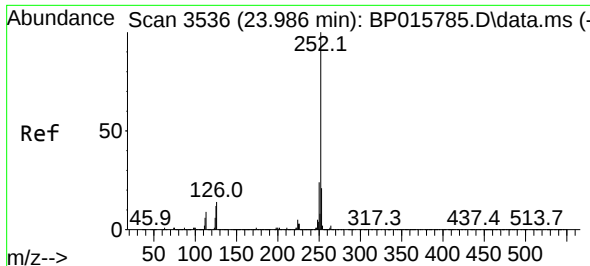


#91
Benzo(k)fluoranthene
Concen: 2.942 ng/ul m
RT: 23.363 min Scan# 3430
Delta R.T. -0.006 min
Lab File: BP015790.D
Acq: 28 Jun 2023 21:46



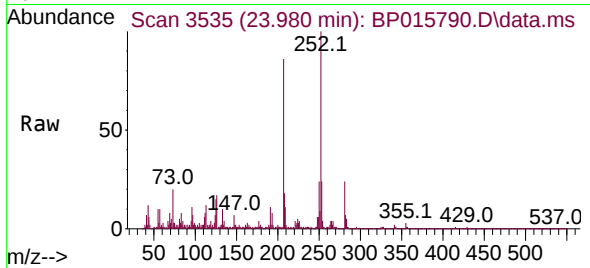
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Ion Ratio Lower Upper
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125 14.9 7.3 10.9





#93
Benzo(a)pyrene
Concen: 7.079 ng/ul
RT: 23.980 min Scan# 3536
Delta R.T. -0.006 min
Lab File: BP015790.D
Acq: 28 Jun 2023 21:46

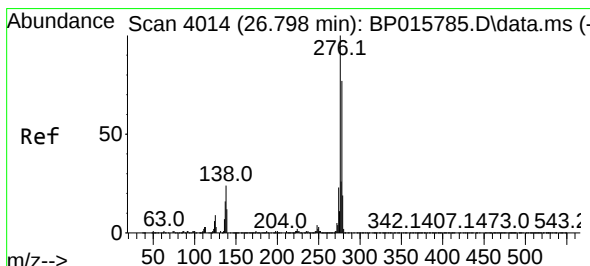
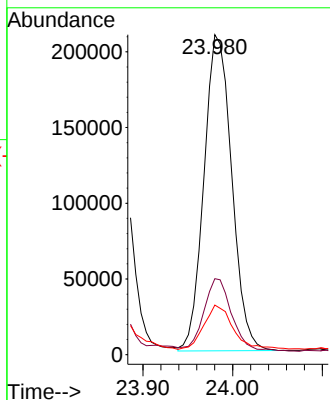
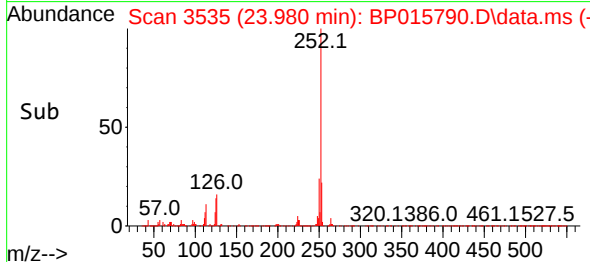
Instrument :
BNA_P
ClientSampleId :
DCFS3



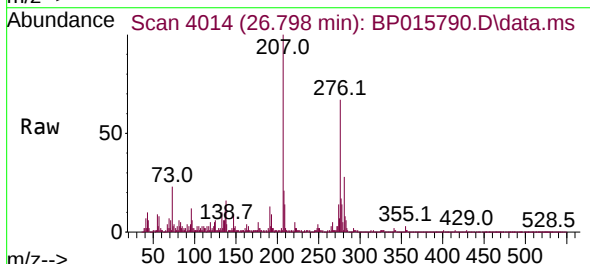
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Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 15.5 8.2 12.2

Manual Integrations
APPROVED

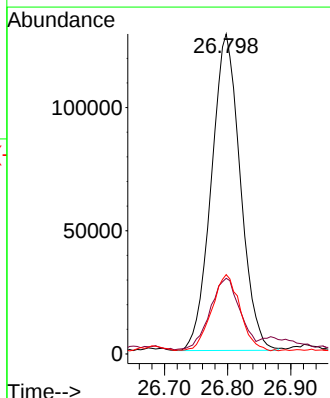
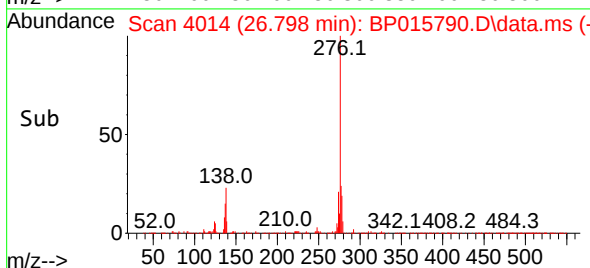
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

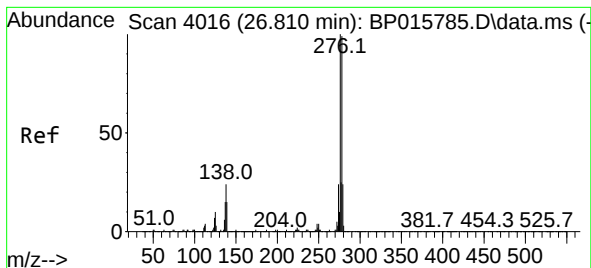


#94
Indeno(1,2,3-cd)pyrene
Concen: 4.741 ng/ul
RT: 26.798 min Scan# 4014
Delta R.T. -0.000 min
Lab File: BP015790.D
Acq: 28 Jun 2023 21:46



Tgt Ion:276 Resp: 408573
Ion Ratio Lower Upper
276 100
138 29.6 15.7 23.5#
277 24.8 19.6 29.4





#95

Dibenzo(a,h)anthracene

Concen: 1.432 ng/ul

RT: 26.798 min Scan# 4016

Delta R.T. -0.012 min

Lab File: BP015790.D

Acq: 28 Jun 2023 21:46

Instrument :

BNA_P

ClientSampleId :

DCFS3

Tgt Ion:278 Resp: 101374

Ion Ratio Lower Upper

278 100

139 28.4 10.5 15.7

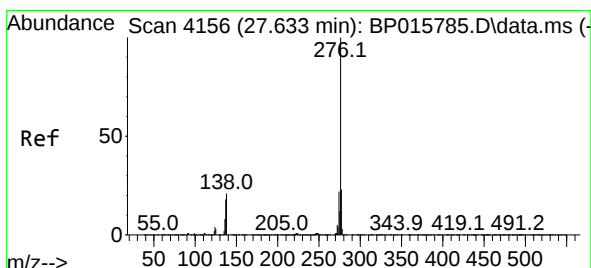
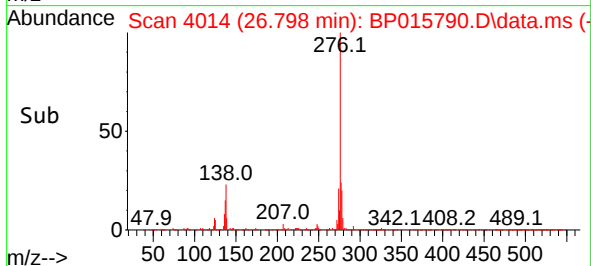
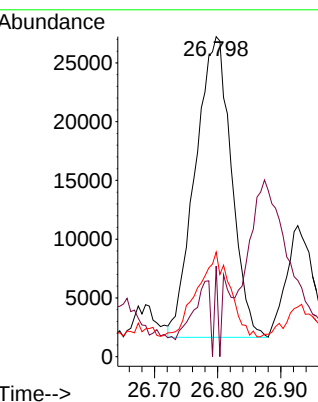
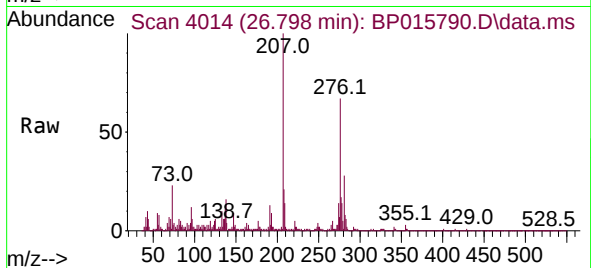
279 32.7 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#96

Benzo(g,h,i)perylene

Concen: 5.360 ng/ul

RT: 27.639 min Scan# 4157

Delta R.T. 0.006 min

Lab File: BP015790.D

Acq: 28 Jun 2023 21:46

Tgt Ion:276 Resp: 379968

Ion Ratio Lower Upper

276 100

138 25.0 15.1 22.7

277 23.8 18.8 28.2

