

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062823\
 Data File : BP015787.D
 Acq On : 28 Jun 2023 20:04
 Operator : MA/JU
 Sample : 03142-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFS7

Quant Time: Jun 29 02:39:28 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	222038	20.000	ng/u1	0.00
20) Naphthalene-d8	10.887	136	846836	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.710	164	449747	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.469	188	876713	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.557	240	885765	20.000	ng/u1	0.00
88) Perylene-d12	24.098	264	1058513	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	14233	2.306	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.240	99	196270	10.331	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.387	67	152454	12.971	ng/u1	0.00
11) 2-Chlorophenol-d4	7.593	132	175176	12.215	ng/u1	0.00
15) 4-Methylphenol-d8	8.805	113	103260	6.880	ng/u1	0.02
21) Nitrobenzene-d5	9.252	128	78969	12.202	ng/u1	0.01
24) 2-Nitrophenol-d4	9.981	143	87819	11.626	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.563	165	126365	9.388	ng/u1	0.05
31) 4-Chloroaniline-d4	11.093	131	59735m	3.455	ng/u1	0.06
46) Dimethylphthalate-d6	14.122	166	459154	13.209	ng/u1	0.01
49) Acenaphthylene-d8	14.404	160	513375	13.137	ng/u1	0.00
54) 4-Nitrophenol-d4	15.034	143	21813m	4.755	ng/u1	0.08
60) Fluorene-d10	15.710	176	372055	12.998	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.887	200	33525	6.218	ng/u1	0.03
73) Anthracene-d10	17.575	188	524316	13.093	ng/u1	0.00
81) Pyrene-d10	19.792	212	678271	11.727	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.927	264	722651	13.534	ng/u1	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	14.775	153	36324	1.217	ng/u1	97
72) Phenanthrene	17.510	178	467251	9.810	ng/u1	99
74) Anthracene	17.610	178	97138	2.030	ng/u1	98
80) Fluoranthene	19.469	202	801067	11.144	ng/u1	96
82) Pyrene	19.822	202	654280	8.923	ng/u1#	91
85) Benzo(a)anthracene	21.539	228	389421	6.250	ng/u1	98
87) Chrysene	21.592	228	450242	7.616	ng/u1	98
90) Benzo(b)fluoranthene	23.316	252	690814	10.157	ng/u1#	96
91) Benzo(k)fluoranthene	23.363	252	207059m	3.013	ng/u1	
93) Benzo(a)pyrene	23.980	252	421153	7.087	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.792	276	345730	4.285	ng/u1	99
95) Dibenzo(a,h)anthracene	26.798	278	96409	1.455	ng/u1#	89
96) Benzo(g,h,i)perylene	27.627	276	332237	5.006	ng/u1	97

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

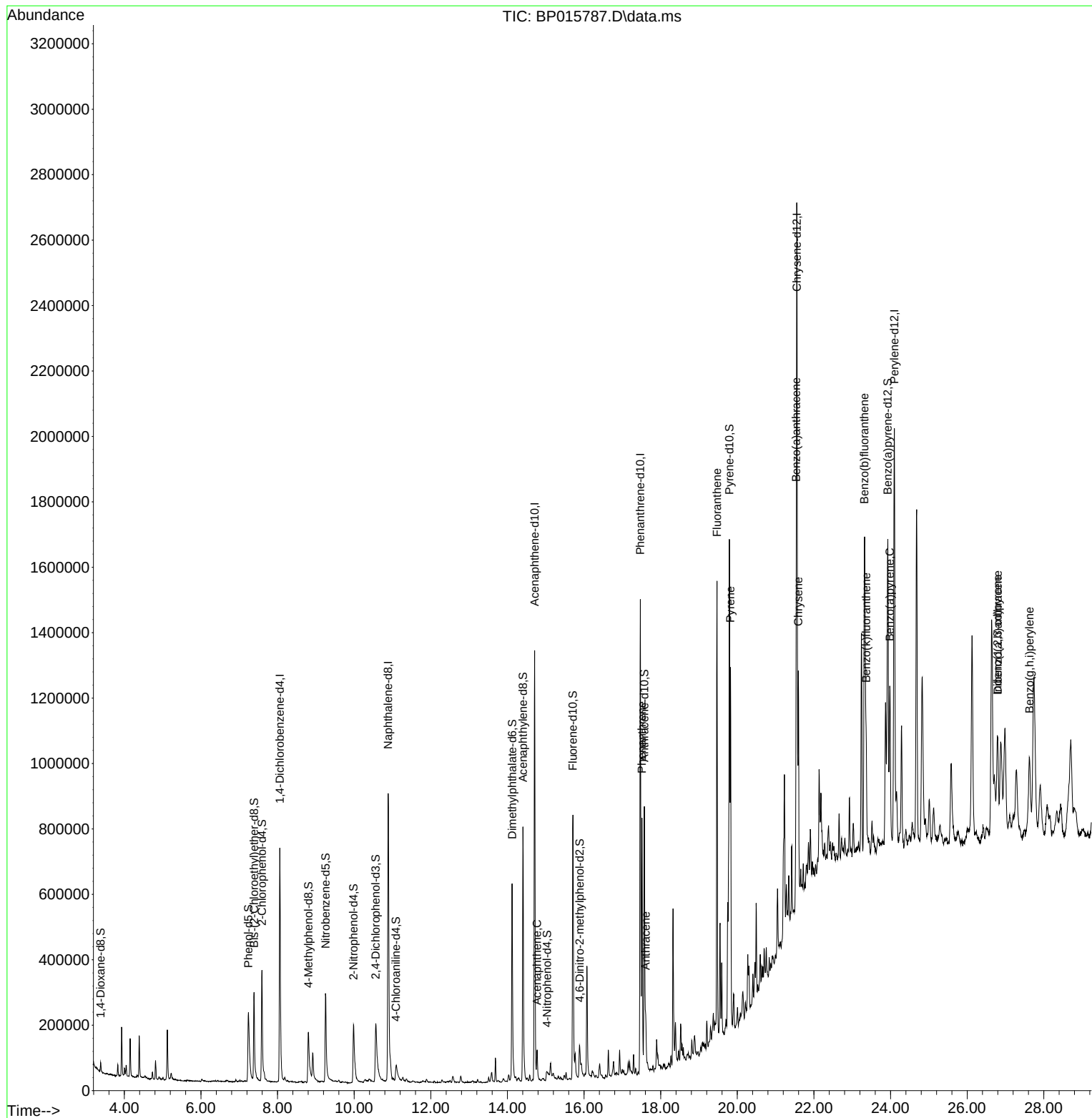
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062823\
 Data File : BP015787.D
 Acq On : 28 Jun 2023 20:04
 Operator : MA/JU
 Sample : 03142-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

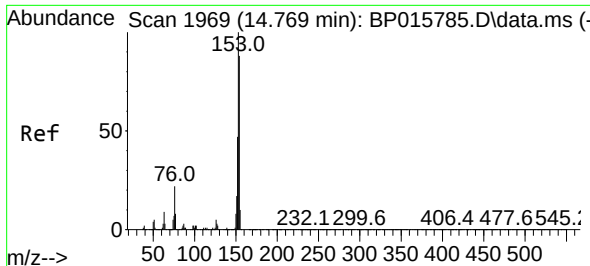
Instrument :
 BNA_P
 ClientSampleId :
 DCFS7

Quant Time: Jun 29 02:39:28 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

Manual Integrations APPROVED

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





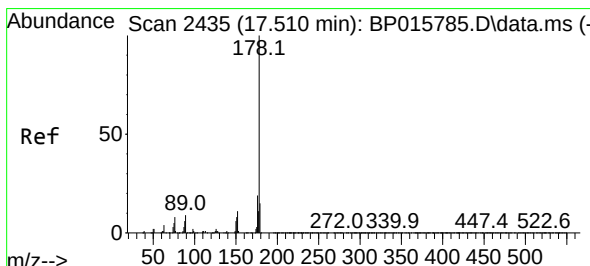
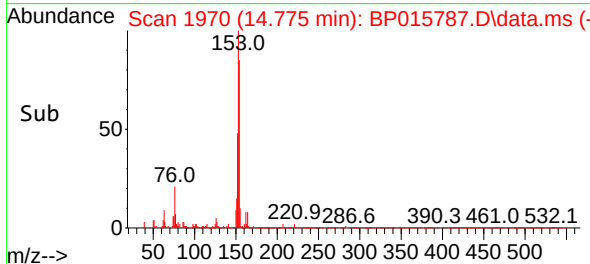
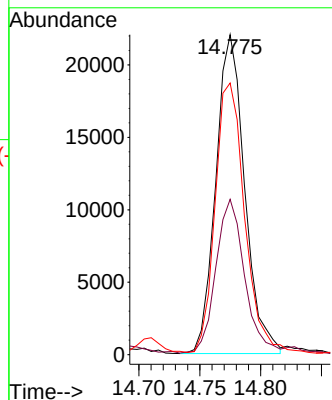
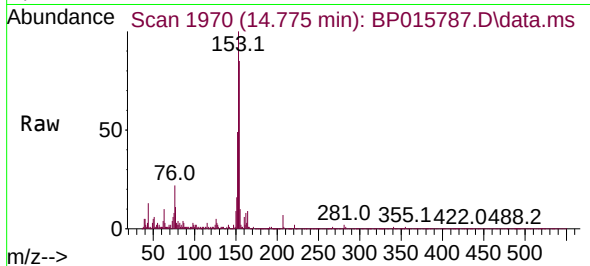
#52
Acenaphthene
Concen: 1.217 ng/ul
RT: 14.775 min Scan# 1969
Delta R.T. 0.006 min
Lab File: BP015787.D
Acq: 28 Jun 2023 20:04

Instrument :
BNA_P
ClientSampleId :
DCFS7

Tgt Ion:153 Resp: 36324
Ion Ratio Lower Upper
153 100
152 48.5 39.4 59.2
154 84.9 71.4 107.2

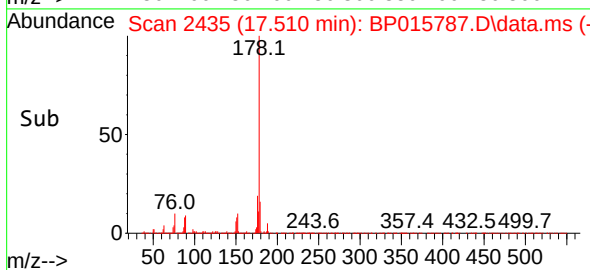
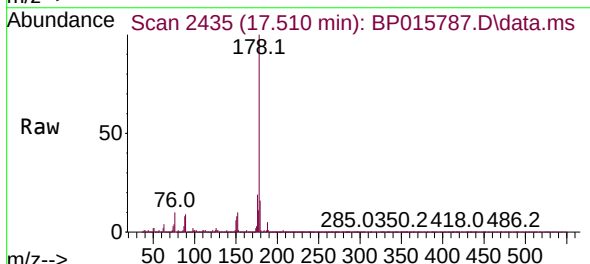
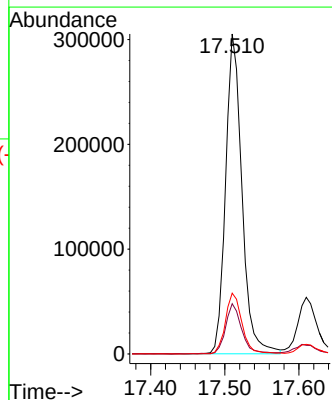
Manual Integrations
APPROVED

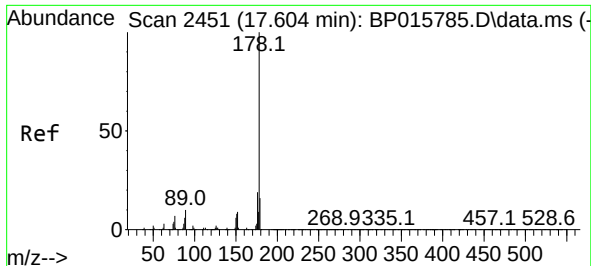
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#72
Phenanthrene
Concen: 9.810 ng/ul
RT: 17.510 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BP015787.D
Acq: 28 Jun 2023 20:04

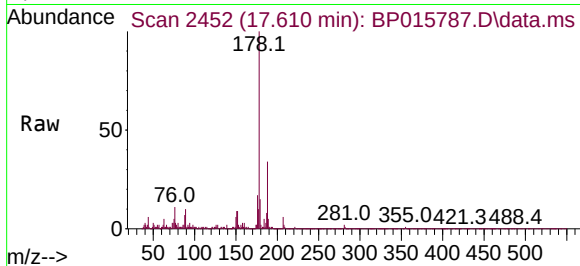
Tgt Ion:178 Resp: 467251
Ion Ratio Lower Upper
178 100
179 15.7 12.4 18.6
176 19.0 15.6 23.4





#74
 Anthracene
 Concen: 2.030 ng/u1
 RT: 17.610 min Scan# 2451
 Delta R.T. 0.006 min
 Lab File: BP015787.D
 Acq: 28 Jun 2023 20:04

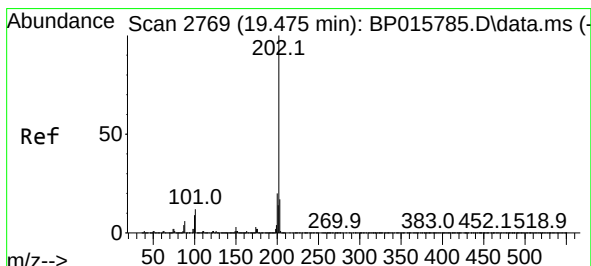
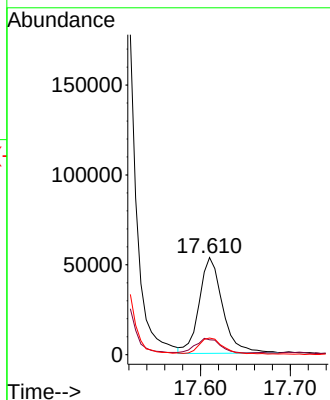
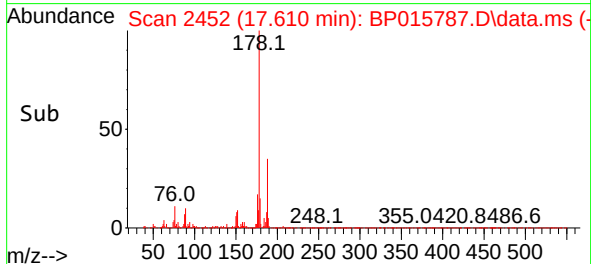
Instrument :
 BNA_P
 ClientSampleId :
 DCFS7



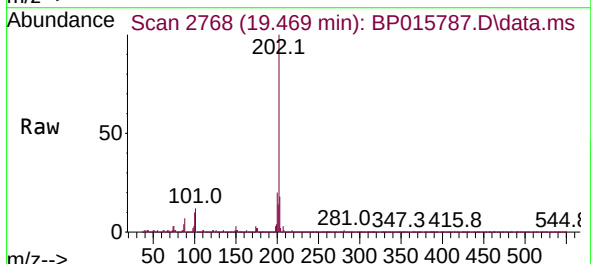
Tgt Ion:178 Resp: 97138
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.1 18.1
 176 17.1 14.6 22.0

Manual Integrations
 APPROVED

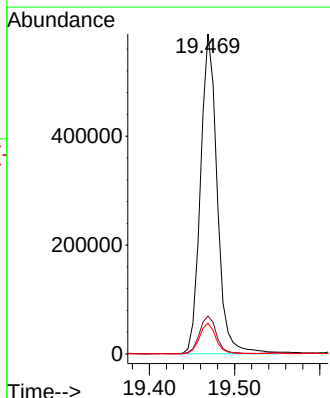
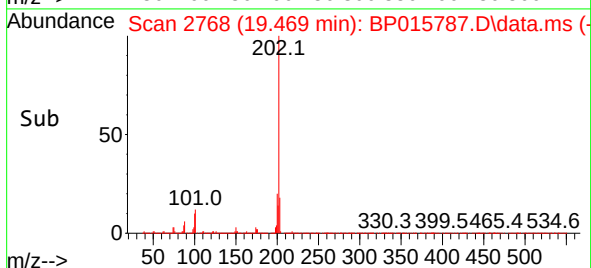
Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

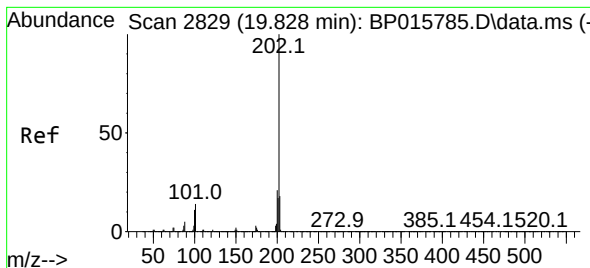


#80
 Fluoranthene
 Concen: 11.144 ng/u1
 RT: 19.469 min Scan# 2768
 Delta R.T. -0.006 min
 Lab File: BP015787.D
 Acq: 28 Jun 2023 20:04



Tgt Ion:202 Resp: 801067
 Ion Ratio Lower Upper
 202 100
 101 11.8 8.3 12.5
 100 9.6 6.6 9.8





#82

Pyrene

Concen: 8.923 ng/ul

RT: 19.822 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015787.D

Acq: 28 Jun 2023 20:04

Instrument :

BNA_P

ClientSampleId :

DCFS7

Tgt Ion:202 Resp: 654280

Ion Ratio Lower Upper

202 100

101 14.7 9.3 13.9

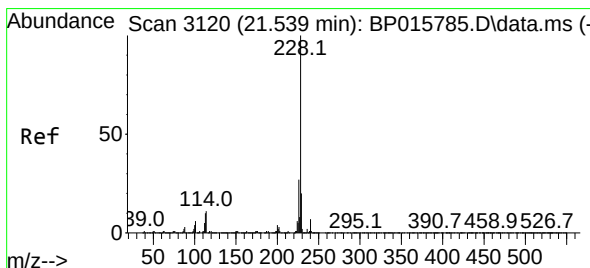
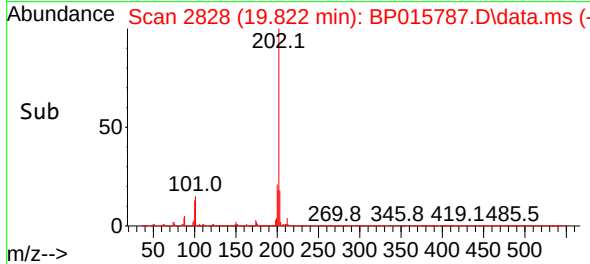
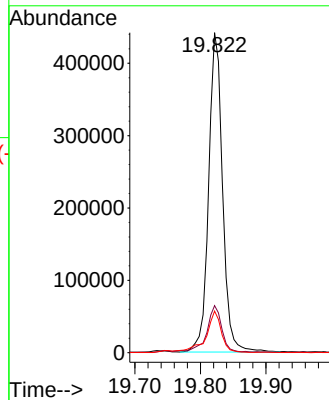
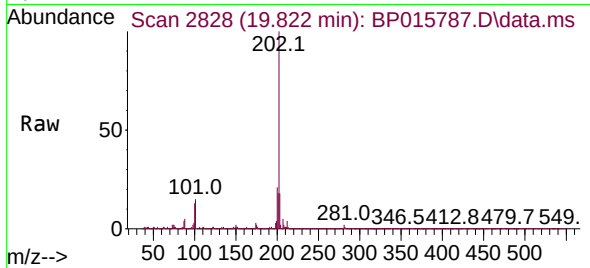
100 13.0 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#85

Benzo(a)anthracene

Concen: 6.250 ng/ul

RT: 21.539 min Scan# 3120

Delta R.T. -0.000 min

Lab File: BP015787.D

Acq: 28 Jun 2023 20:04

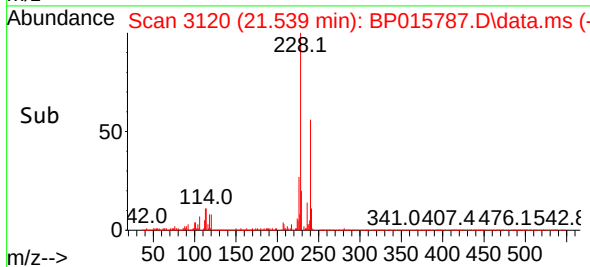
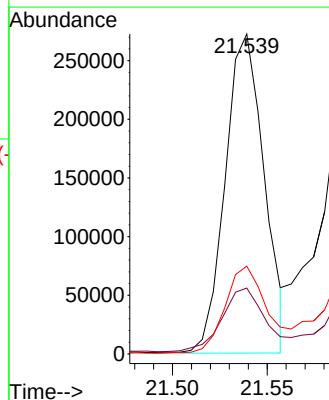
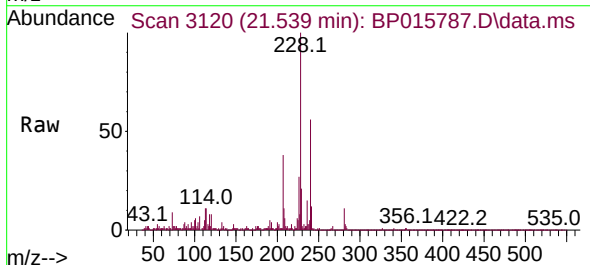
Tgt Ion:228 Resp: 389421

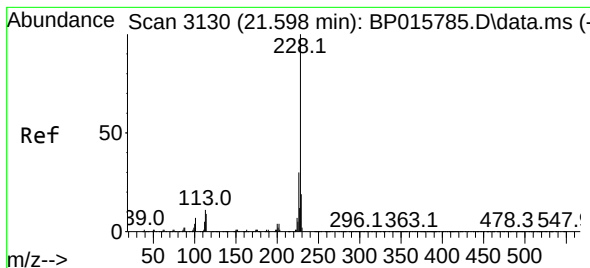
Ion Ratio Lower Upper

228 100

229 20.6 15.3 22.9

226 27.4 21.4 32.0





#87

Chrysene

Concen: 7.616 ng/ul

RT: 21.592 min Scan# 3129

Delta R.T. -0.006 min

Lab File: BP015787.D

Acq: 28 Jun 2023 20:04

Instrument :

BNA_P

ClientSampleId :

DCFS7

Tgt Ion:228 Resp: 45024

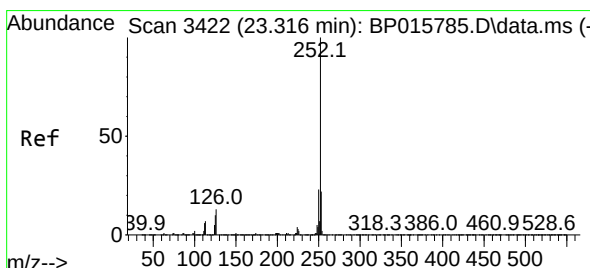
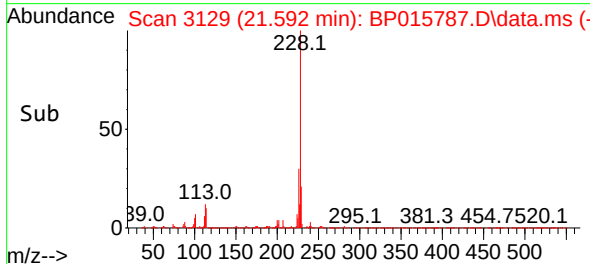
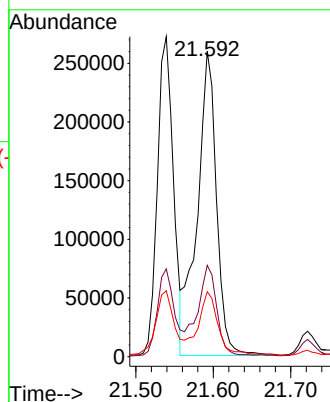
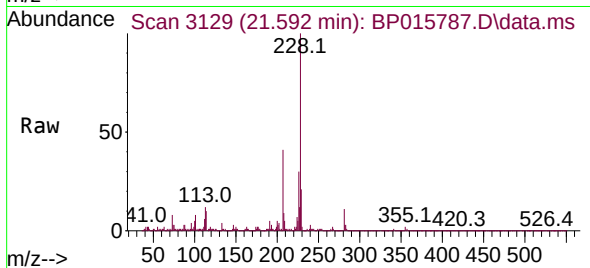
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	21.3	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#90

Benzo(b)fluoranthene

Concen: 10.157 ng/ul

RT: 23.316 min Scan# 3422

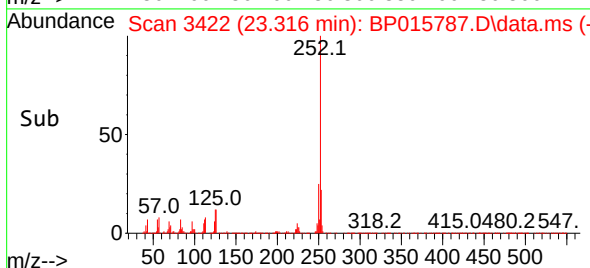
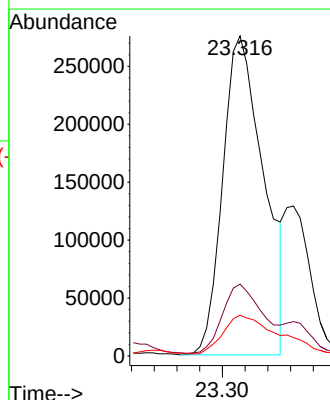
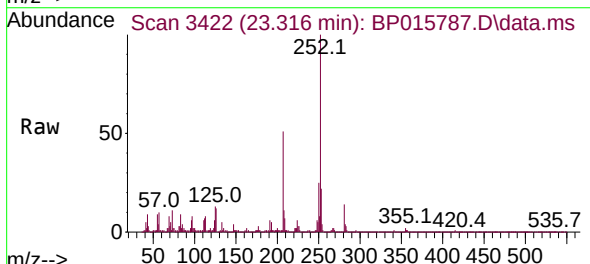
Delta R.T. -0.000 min

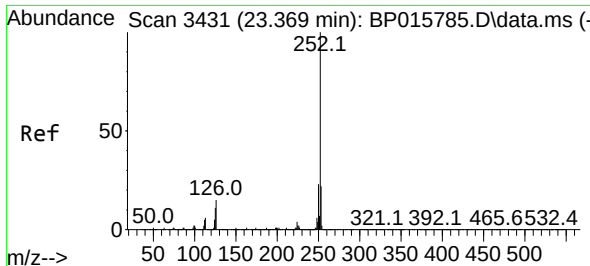
Lab File: BP015787.D

Acq: 28 Jun 2023 20:04

Tgt Ion:252 Resp: 690814

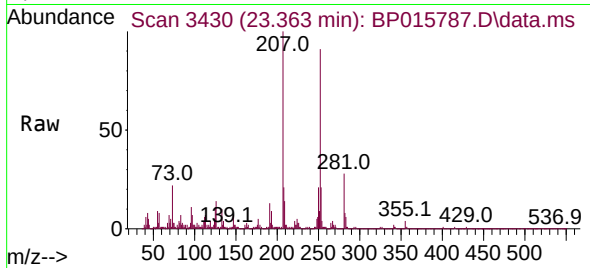
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	12.7	7.5	11.3





#91
Benzo(k)fluoranthene
Concen: 3.013 ng/ul m
RT: 23.363 min Scan# 3431
Delta R.T. -0.006 min
Lab File: BP015787.D
Acq: 28 Jun 2023 20:04

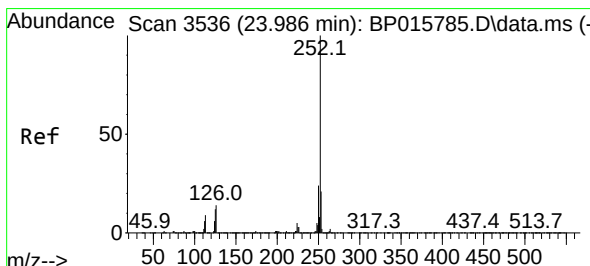
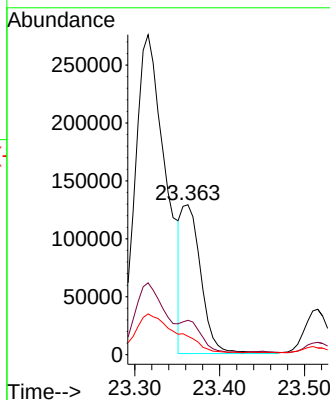
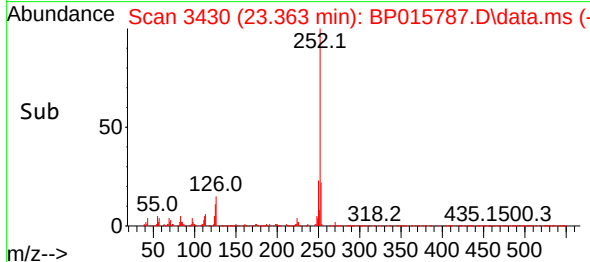
Instrument :
BNA_P
ClientSampleId :
DCFS7



Tgt Ion:252 Resp: 207059
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 12.3 7.3 10.9

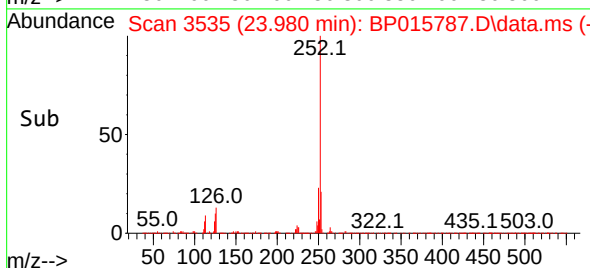
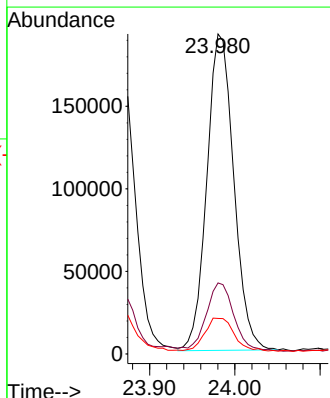
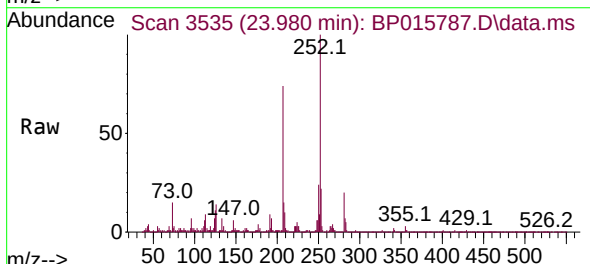
Manual Integrations
APPROVED

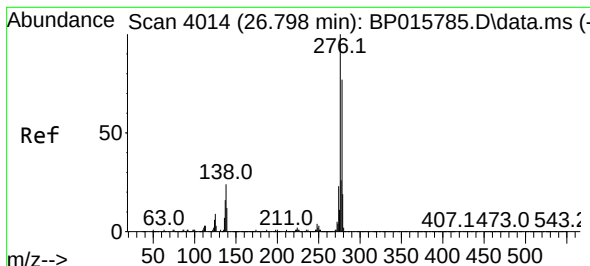
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#93
Benzo(a)pyrene
Concen: 7.087 ng/ul
RT: 23.980 min Scan# 3535
Delta R.T. -0.006 min
Lab File: BP015787.D
Acq: 28 Jun 2023 20:04

Tgt Ion:252 Resp: 421153
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.1 8.2 12.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.285 ng/ul

RT: 26.792 min Scan# 4013

Delta R.T. -0.006 min

Lab File: BP015787.D

Acq: 28 Jun 2023 20:04

Instrument :

BNA_P

ClientSampleId :

DCFS7

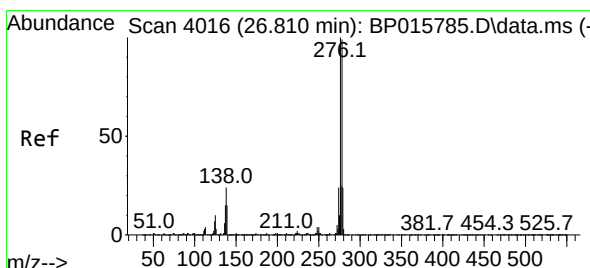
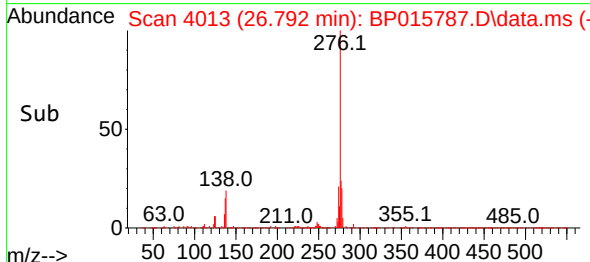
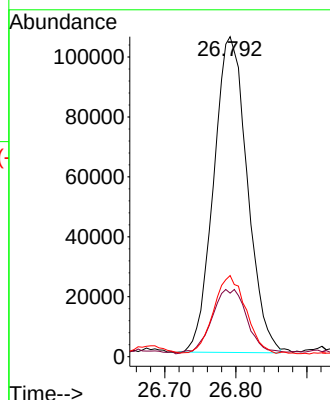
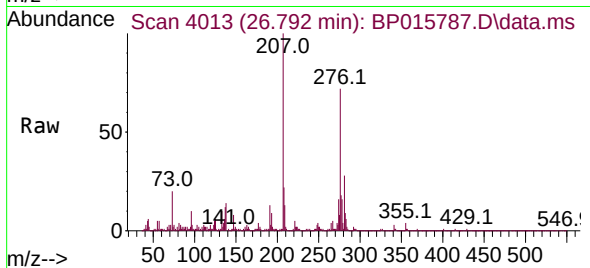
Tgt Ion:	276	Resp:	345730
Ion Ratio	Lower	Upper	
276	100		
138	19.8	15.7	23.5
277	25.4	19.6	29.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#95

Dibenzo(a,h)anthracene

Concen: 1.455 ng/ul

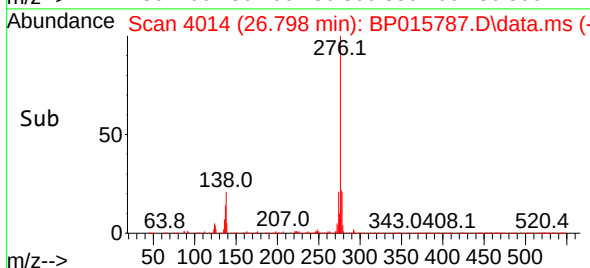
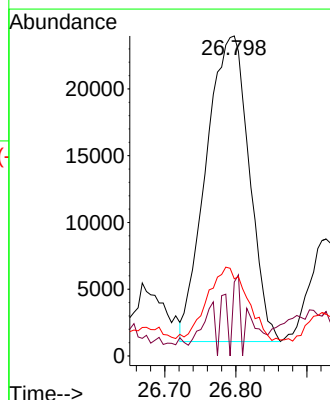
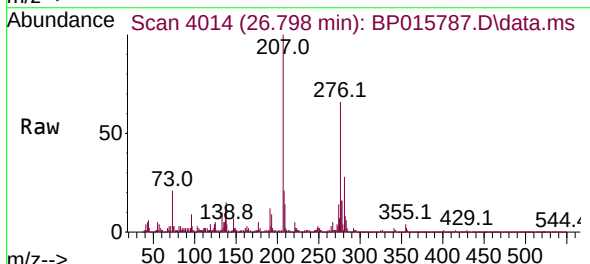
RT: 26.798 min Scan# 4014

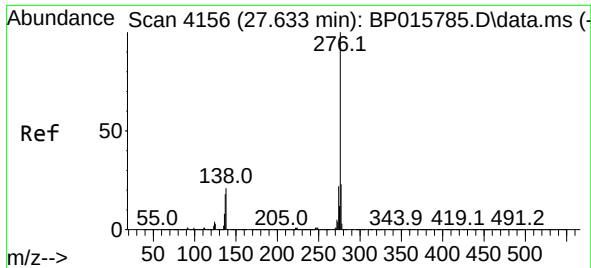
Delta R.T. -0.012 min

Lab File: BP015787.D

Acq: 28 Jun 2023 20:04

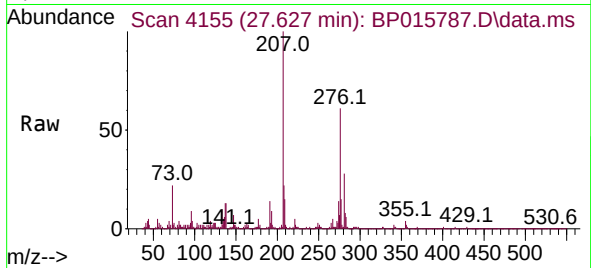
Tgt Ion:	278	Resp:	96409
Ion Ratio	Lower	Upper	
278	100		
139	23.1	10.5	15.7#
279	24.1	18.4	27.6





#96
 Benzo(g,h,i)perylene
 Concen: 5.006 ng/ul
 RT: 27.627 min Scan# 4155
 Delta R.T. -0.006 min
 Lab File: BP015787.D
 Acq: 28 Jun 2023 20:04

Instrument :
 BNA_P
 ClientSampleId :
 DCFS7



Tgt Ion:276 Resp: 33223
 Ion Ratio Lower Upper
 276 100
 138 21.2 15.1 22.7
 277 23.9 18.8 28.2

Manual Integrations
 APPROVED

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

