

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070323\
 Data File : BP015945.D
 Acq On : 03 Jul 2023 11:39
 Operator : MA/JU
 Sample : 03242-16DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB7DL

Manual Integrations
 APPROVED

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023

Quant Time: Jul 03 22:34:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

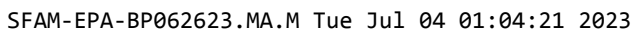
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

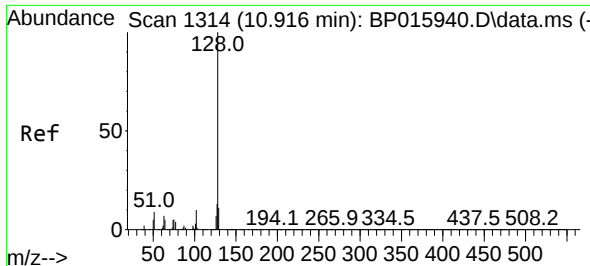
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.051	152	178797	20.000	ng/u1	0.00
20) Naphthalene-d8	10.887	136	779196	20.000	ng/u1	# 0.02
38) Acenaphthene-d10	14.704	164	446646	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.463	188	953734	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.545	240	942292	20.000	ng/u1	# 0.00
88) Perylene-d12	24.092	264	1161424	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	4385	0.882	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.298	99	48915	3.197	ng/u1	0.08
9) Bis-(2-Chloroethyl)eth...	7.387	67	39397	4.163	ng/u1	0.02
11) 2-Chlorophenol-d4	7.622	132	48180	4.172	ng/u1	0.05
15) 4-Methylphenol-d8	8.887	113	51449m	4.257	ng/u1	0.11
21) Nitrobenzene-d5	9.298	128	22114m	3.714	ng/u1	0.06
24) 2-Nitrophenol-d4	10.069	143	24865m	3.578	ng/u1	0.11
28) 2,4-Dichlorophenol-d3	10.651	165	45345m	3.661	ng/u1	0.14
31) 4-Chloroaniline-d4	11.151	131	38330m	2.409	ng/u1	0.12
46) Dimethylphthalate-d6	14.133	166	162445	4.706	ng/u1	0.03
49) Acenaphthylene-d8	14.404	160	189049	4.871	ng/u1	0.01
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.710	176	143224	5.039	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.916	200	7633m	1.301	ng/u1	0.06
73) Anthracene-d10	17.569	188	224205	5.146	ng/u1	0.01
81) Pyrene-d10	19.786	212	285319	4.637	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.921	264	307896	5.255	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.939	128	61083	1.442	ng/u1	96
50) Acenaphthylene	14.439	152	88175	2.062	ng/u1	96
52) Acenaphthene	14.769	153	106639	3.596	ng/u1	99
61) Fluorene	15.769	166	99275	2.973	ng/u1	97
72) Phenanthrene	17.504	178	2128079	41.073	ng/u1	100
74) Anthracene	17.604	178	539074	10.354	ng/u1	98
80) Fluoranthene	19.463	202	5356279	70.045	ng/u1#	94
82) Pyrene	19.815	202	4755419	60.964	ng/u1#	91
85) Benzo(a)anthracene	21.533	228	2820615	42.552	ng/u1	97
87) Chrysene	21.586	228	2858732	45.457	ng/u1	98
90) Benzo(b)fluoranthene	23.309	252	4812160	64.483	ng/u1#	97
91) Benzo(k)fluoranthene	23.356	252	1373932m	18.222	ng/u1	
93) Benzo(a)pyrene	23.980	252	3192527	48.959	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.792	276	2676678	30.238	ng/u1	97
95) Dibenzo(a,h)anthracene	26.786	278	668394	9.193	ng/u1#	80
96) Benzo(g,h,i)perylene	27.627	276	2667333	36.627	ng/u1#	93

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

Manual Integrations

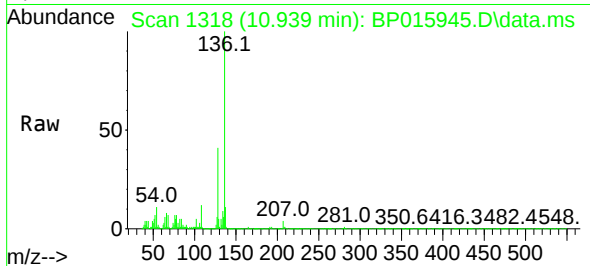
Quant Time: Jul 03 22:34:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 02 06:12:16 2023
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.442 ng/ul
RT: 10.939 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39

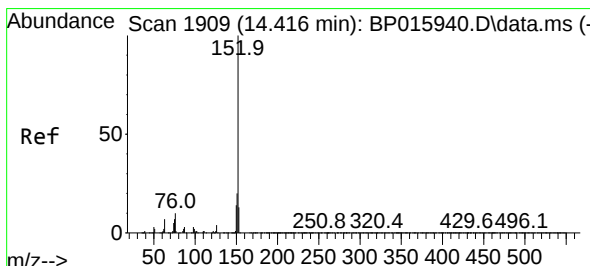
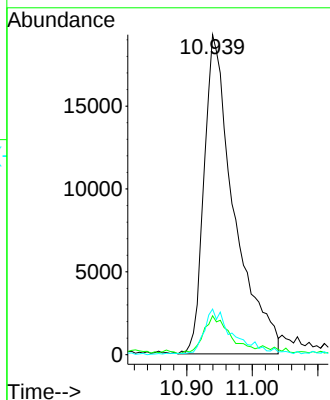
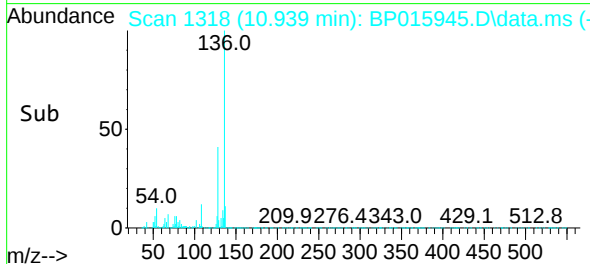
Instrument :
BNA_P
ClientSampleId :
DCGB7DL



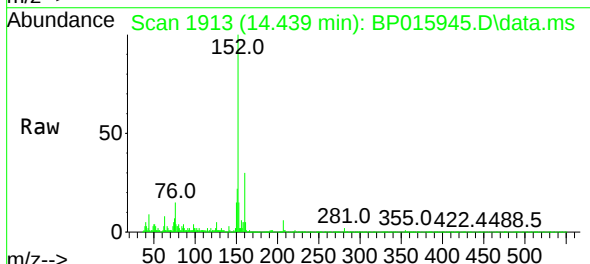
Tgt Ion:128 Resp: 6108
Ion Ratio Lower Upper
128 100
129 12.2 8.6 12.8
127 14.3 10.3 15.5

Manual Integrations
APPROVED

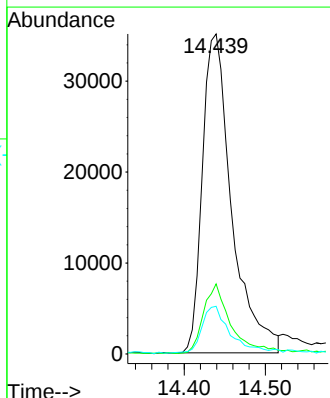
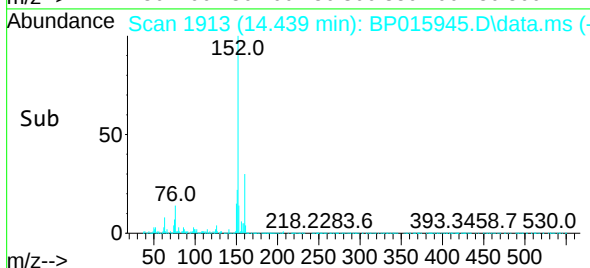
Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023

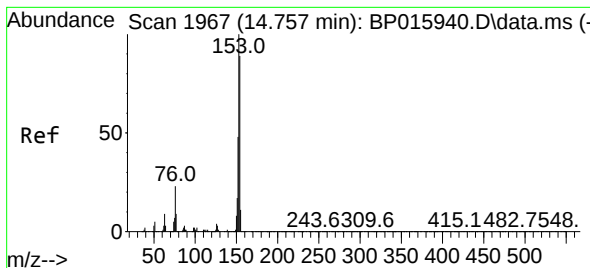


#50
Acenaphthylene
Concen: 2.062 ng/ul
RT: 14.439 min Scan# 1913
Delta R.T. 0.018 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39



Tgt Ion:152 Resp: 88175
Ion Ratio Lower Upper
152 100
151 21.9 16.2 24.2
153 14.9 10.5 15.7





#52

Acenaphthene

Concen: 3.596 ng/ul

RT: 14.769 min Scan# 1967

Delta R.T. 0.012 min

Lab File: BP015945.D

Acq: 03 Jul 2023 11:39

Instrument :

BNA_P

ClientSampleId :

DCGB7DL

Tgt Ion:153 Resp: 106639

Ion Ratio Lower Upper

153 100

152 48.4 39.4 59.2

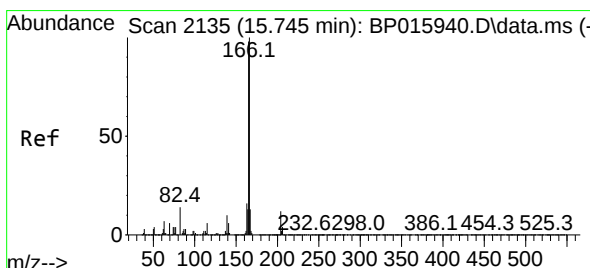
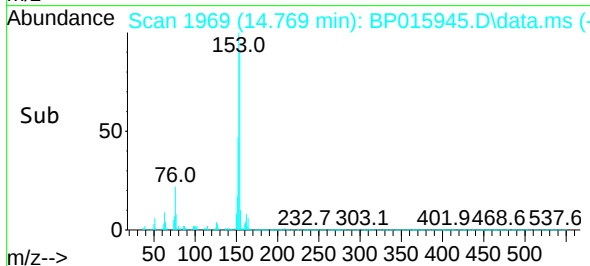
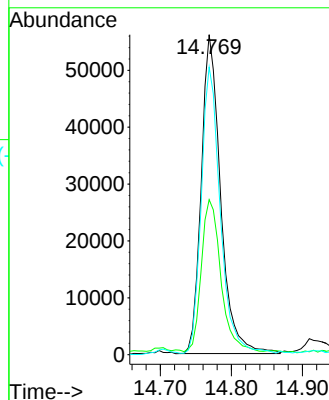
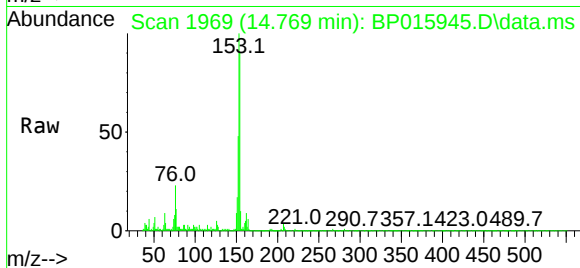
154 89.9 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :Sohil Jodhani 07/04/2023

Supervised By :mohammad ahmed 07/04/2023



#61

Fluorene

Concen: 2.973 ng/ul

RT: 15.769 min Scan# 2139

Delta R.T. 0.024 min

Lab File: BP015945.D

Acq: 03 Jul 2023 11:39

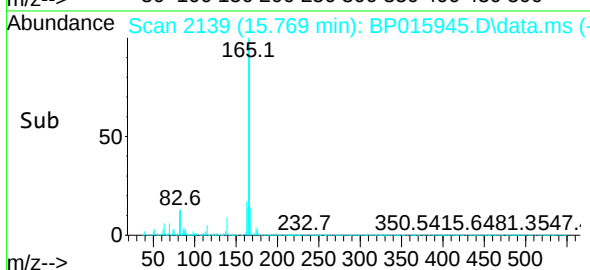
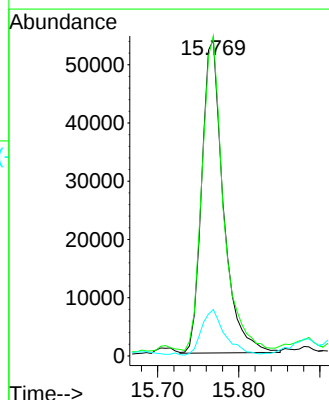
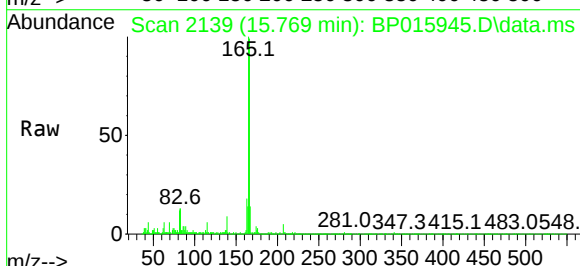
Tgt Ion:166 Resp: 99275

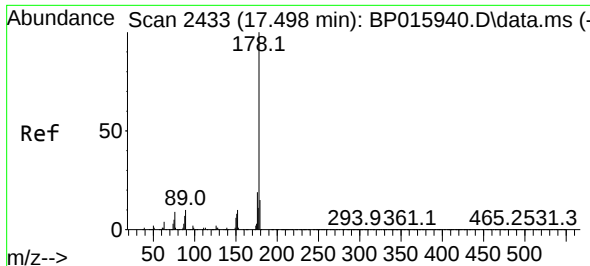
Ion Ratio Lower Upper

166 100

165 101.3 78.7 118.1

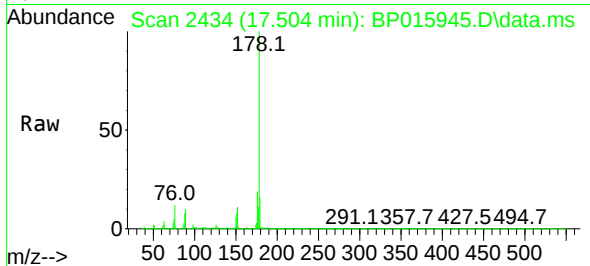
167 14.7 10.5 15.7





#72
Phenanthrene
Concen: 41.073 ng/ul
RT: 17.504 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39

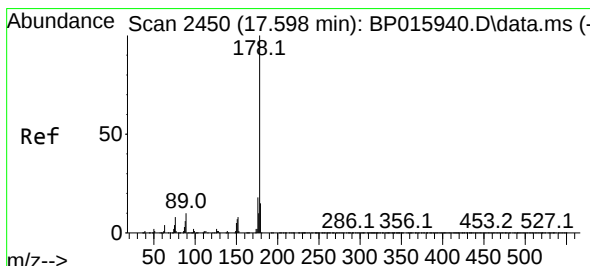
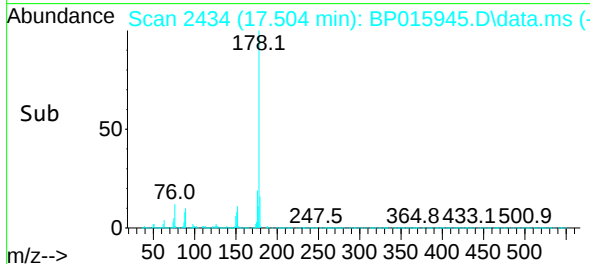
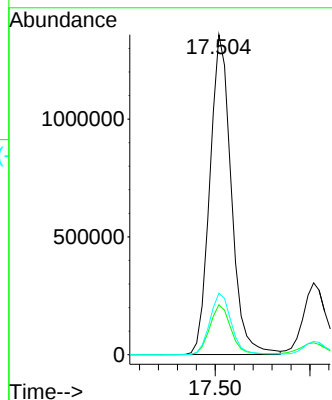
Instrument :
BNA_P
ClientSampleId :
DCGB7DL



Tgt Ion:178 Resp: 2128079
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 19.2 15.6 23.4

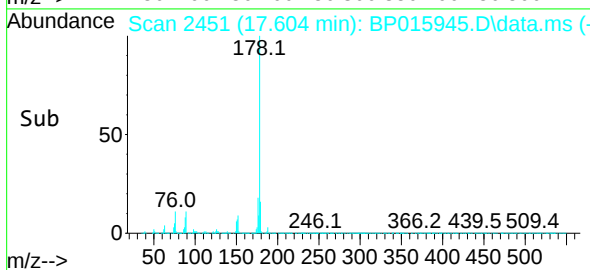
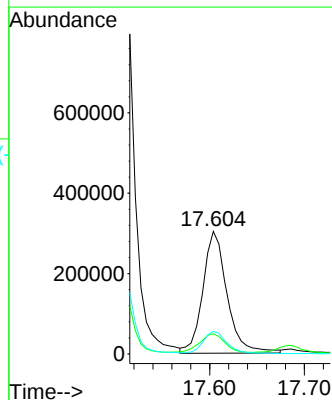
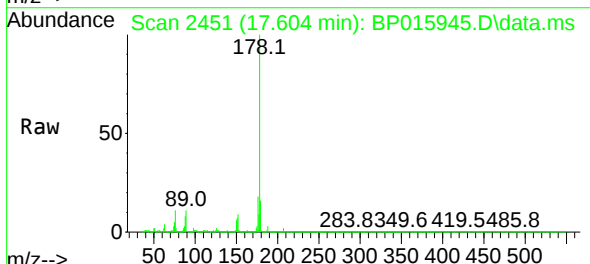
Manual Integrations
APPROVED

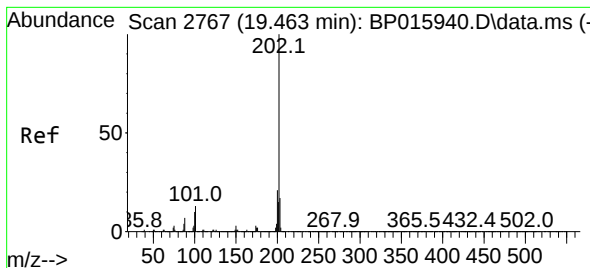
Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023



#74
Anthracene
Concen: 10.354 ng/ul
RT: 17.604 min Scan# 2451
Delta R.T. 0.006 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39

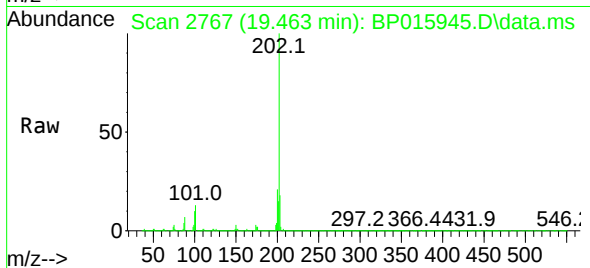
Tgt Ion:178 Resp: 539074
Ion Ratio Lower Upper
178 100
179 16.4 12.1 18.1
176 18.4 14.6 22.0





#80
Fluoranthene
Concen: 70.045 ng/u1
RT: 19.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39

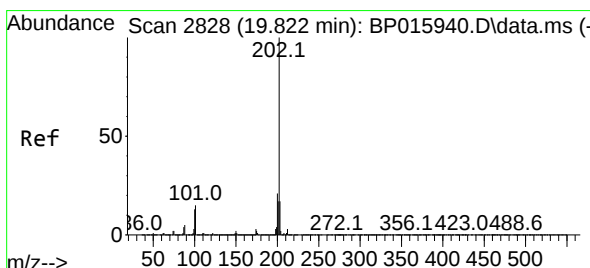
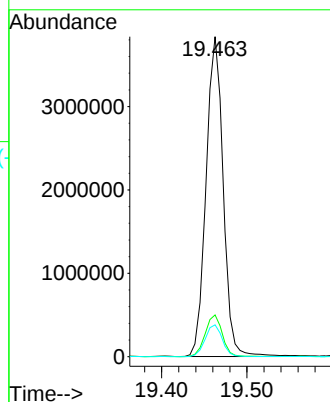
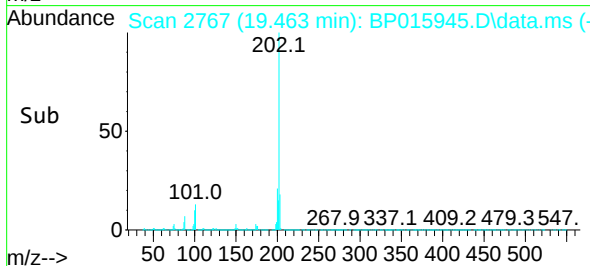
Instrument :
BNA_P
ClientSampleId :
DCGB7DL



Tgt Ion:202 Resp: 5356279
Ion Ratio Lower Upper
202 100
101 13.1 8.3 12.5
100 10.0 6.6 9.8

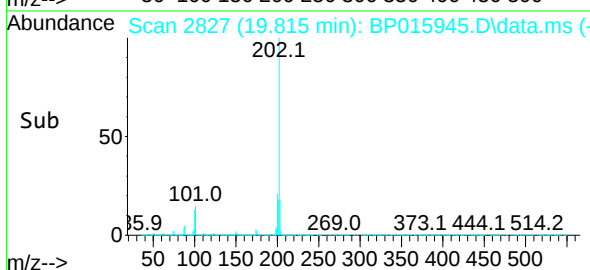
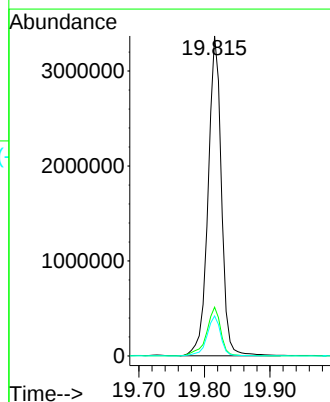
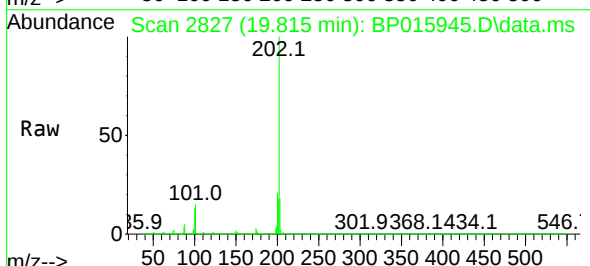
Manual Integrations
APPROVED

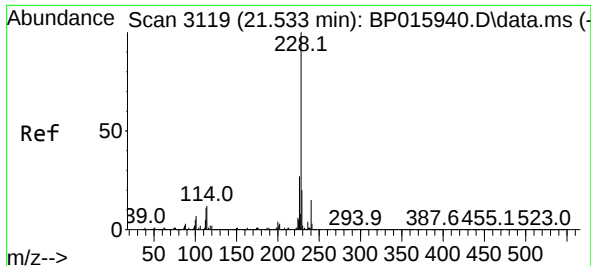
Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023



#82
Pyrene
Concen: 60.964 ng/u1
RT: 19.815 min Scan# 2827
Delta R.T. 0.000 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39

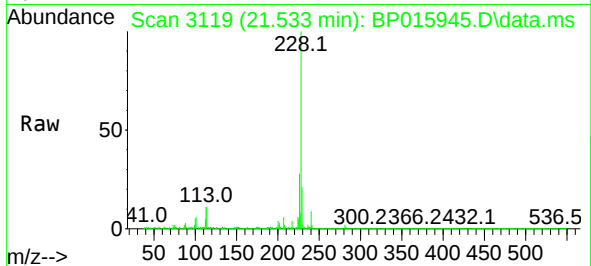
Tgt Ion:202 Resp: 4755419
Ion Ratio Lower Upper
202 100
101 15.2 9.3 13.9#
100 12.5 7.6 11.4#





#85
Benzo(a)anthracene
Concen: 42.552 ng/u1
RT: 21.533 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39

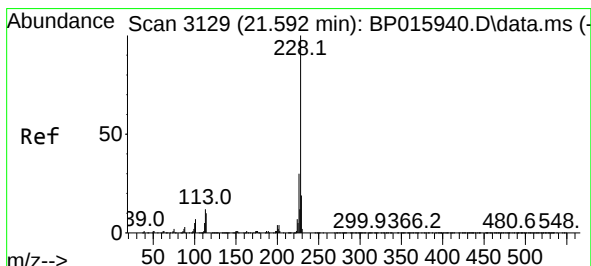
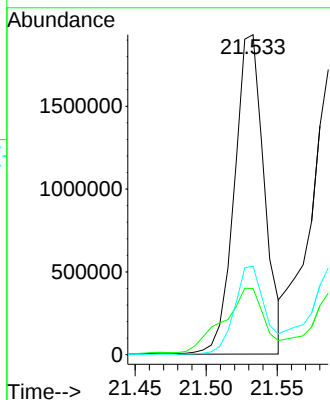
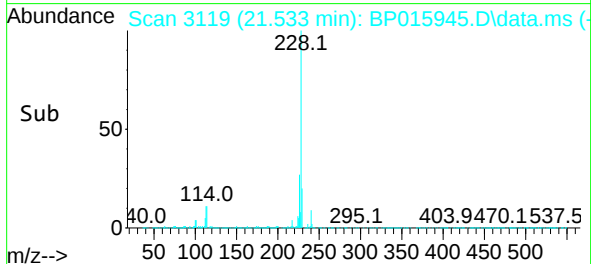
Instrument :
BNA_P
ClientSampleId :
DCGB7DL



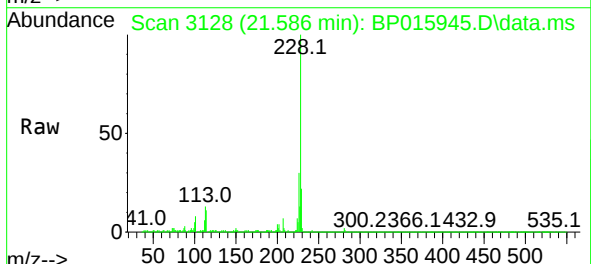
Tgt Ion:228 Resp: 2820615
Ion Ratio Lower Upper
228 100
229 20.7 15.3 22.9
226 27.7 21.4 32.0

Manual Integrations
APPROVED

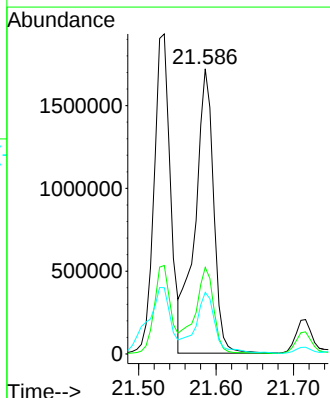
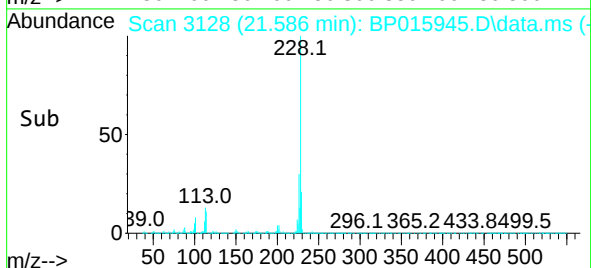
Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023

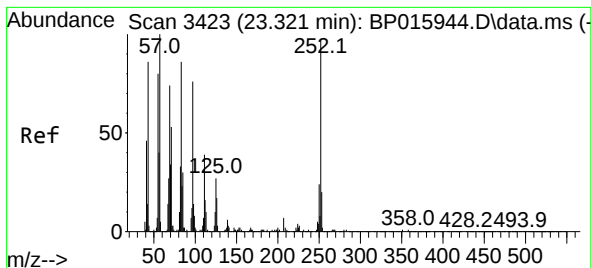


#87
Chrysene
Concen: 45.457 ng/u1
RT: 21.586 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39



Tgt Ion:228 Resp: 2858732
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 21.6 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 64.483 ng/ul

RT: 23.309 min Scan# 3421

Delta R.T. 0.000 min

Lab File: BP015945.D

Acq: 03 Jul 2023 11:39

Instrument :

BNA_P

ClientSampleId :

DCGB7DL

Tgt Ion:252 Resp: 4812160

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

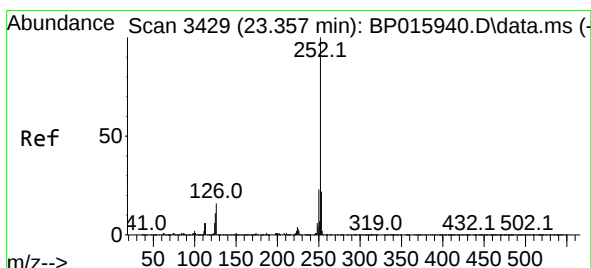
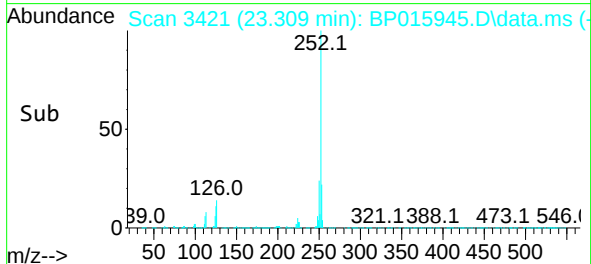
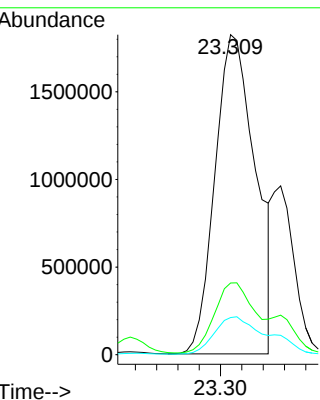
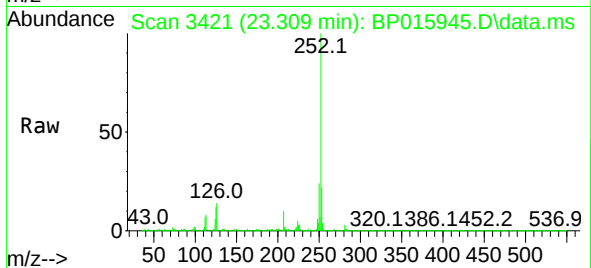
125 11.6 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Sohil Jodhani 07/04/2023

Supervised By :mohammad ahmed 07/04/2023



#91

Benzo(k)fluoranthene

Concen: 18.222 ng/ul m

RT: 23.356 min Scan# 3429

Delta R.T. 0.000 min

Lab File: BP015945.D

Acq: 03 Jul 2023 11:39

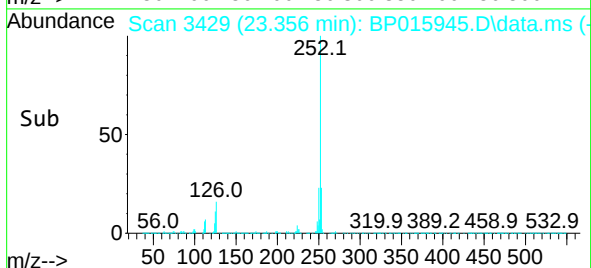
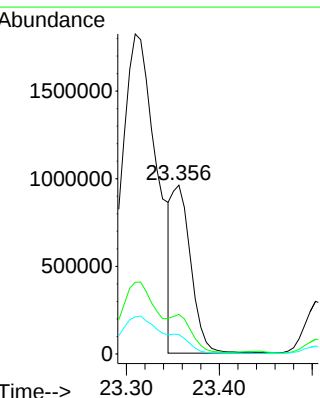
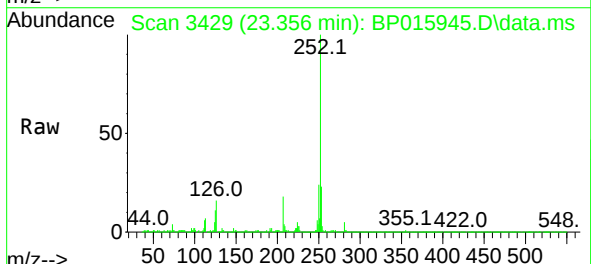
Tgt Ion:252 Resp: 1373932

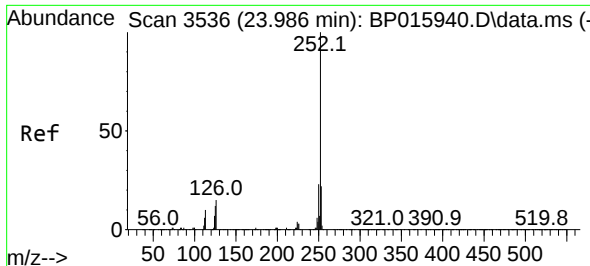
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

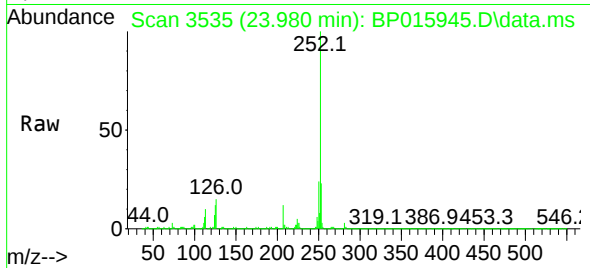
125 11.5 7.3 10.9





#93
Benzo(a)pyrene
Concen: 48.959 ng/ul
RT: 23.980 min Scan# 319252
Delta R.T. 0.000 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39

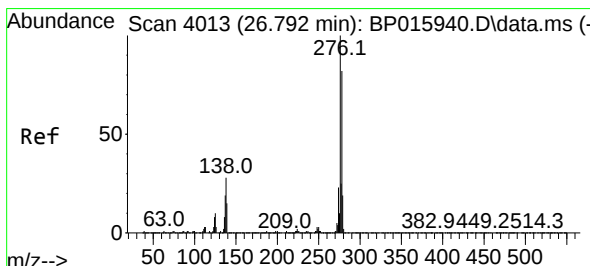
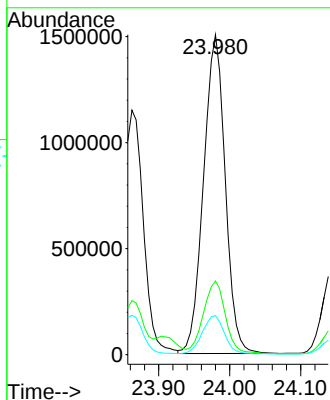
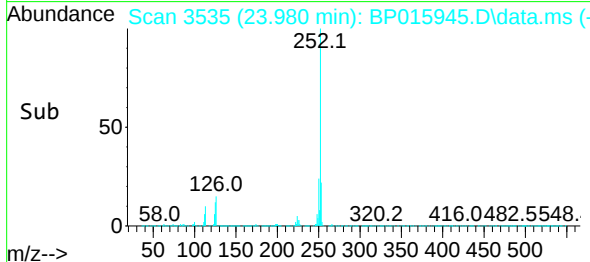
Instrument :
BNA_P
ClientSampleId :
DCGB7DL



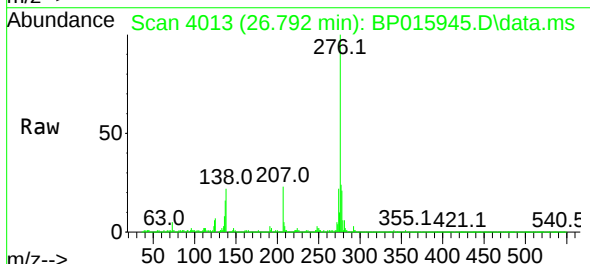
Tgt Ion:252 Resp: 319252
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 12.2 8.2 12.2

Manual Integrations
APPROVED

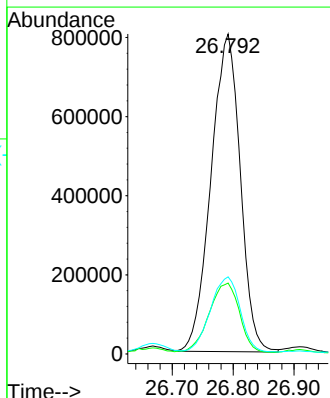
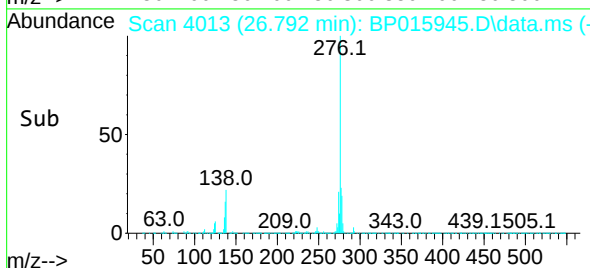
Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023

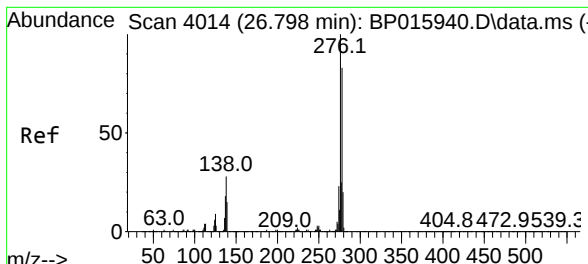


#94
Indeno(1,2,3-cd)pyrene
Concen: 30.238 ng/ul
RT: 26.792 min Scan# 4013
Delta R.T. 0.000 min
Lab File: BP015945.D
Acq: 03 Jul 2023 11:39



Tgt Ion:276 Resp: 2676678
Ion Ratio Lower Upper
276 100
138 22.1 15.7 23.5
277 24.1 19.6 29.4





#95
 Dibenzo(a,h)anthracene
 Concen: 9.193 ng/ul
 RT: 26.786 min Scan# 4012
 Delta R.T. -0.012 min
 Lab File: BP015945.D
 Acq: 03 Jul 2023 11:39

Instrument :

BNP_P

ClientSampleId :

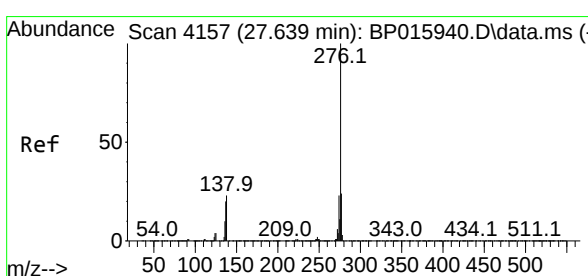
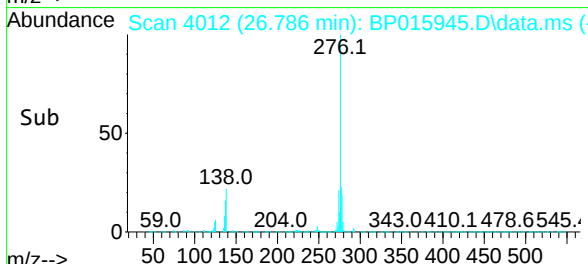
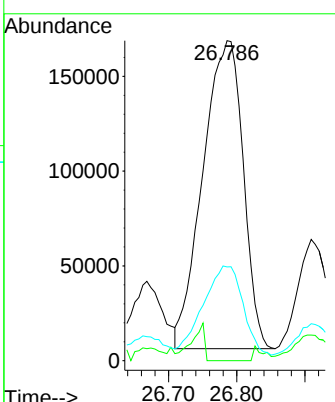
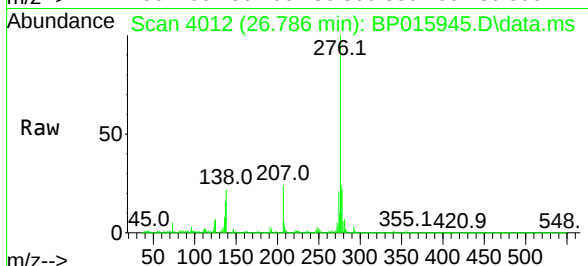
DCGB7DL

Tgt Ion: 278 Resp: 668394

Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.5	15.7
279	29.3	18.4	27.6

Manual Integrations
 APPROVED

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023



#96
 Benzo(g,h,i)perylene
 Concen: 36.627 ng/ul
 RT: 27.627 min Scan# 4155
 Delta R.T. 0.000 min
 Lab File: BP015945.D
 Acq: 03 Jul 2023 11:39

Tgt Ion: 276 Resp: 2667333

Ion	Ratio	Lower	Upper
276	100		
138	24.4	15.1	22.7
277	24.8	18.8	28.2

