

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031802.D
 Acq On : 05 Jun 2024 16:26
 Operator : MA/JU
 Sample : P2591-05DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5S8DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 06 01:00:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	335784	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.457	136	1583909	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.316	164	1068918	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.069	188	2266477	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1999156	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	2490053	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	3053	0.376	ng/uL	0.00
4) Pyridine-d5	3.605	84	20428	0.894	ng/u1	0.00
7) Phenol-d5	6.846	99	81408	2.828	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.011	67	43306	2.572	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.205	132	61842	2.816	ng/u1	-0.01
15) 4-Methylphenol-d8	8.381	113	67338	2.870	ng/u1	0.00
21) Nitrobenzene-d5	8.828	128	31110	2.569	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	31264	2.499	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	62051	2.657	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	54047	1.559	ng/u1	0.00
46) Dimethylphthalate-d6	13.734	166	209848	2.818	ng/u1	-0.01
49) Acenaphthylene-d8	14.010	160	238260	2.783	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	32078	2.151	ng/u1	0.00
60) Fluorene-d10	15.310	176	185972	2.952	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.163	188	293505	3.025	ng/u1	0.00
81) Pyrene-d10	19.463	212	311464	2.911	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.045	264	255774	2.151	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.504	128	481672	5.876	ng/u1	98
36) 2-Methylnaphthalene	12.122	142	183030	3.267	ng/u1	99
37) 1-Methylnaphthalene	12.346	142	135222	2.405	ng/u1	99
50) Acenaphthylene	14.040	152	108084	1.117	ng/u1	98
52) Acenaphthene	14.381	153	493293	7.704	ng/u1	100
56) Dibenzofuran	14.716	168	807152	9.278	ng/u1	99
61) Fluorene	15.369	166	679413	9.699	ng/u1	99
72) Phenanthrene	17.116	178	11178443	96.819	ng/u1	99
74) Anthracene	17.204	178	2908126	24.858	ng/u1	100
77) Carbazole	17.475	167	1863330	18.679	ng/u1	99
80) Fluoranthene	19.139	202	13846523	108.302	ng/u1	99
82) Pyrene	19.498	202	10479434	79.889	ng/u1	99
85) Benzo(a)anthracene	21.286	228	7722924	57.715	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.216	149	171700	1.901	ng/u1	97
87) Chrysene	21.351	228	7020106m	56.165	ng/u1	
90) Benzo(b)fluoranthene	23.333	252	9537558	64.081	ng/u1	99
91) Benzo(k)fluoranthene	23.380	252	2894411	19.818	ng/u1	99
93) Benzo(a)pyrene	24.110	252	3822612	27.422	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.557	276	2745007	17.089	ng/u1	98
95) Dibenzo(a,h)anthracene	27.598	278	1013153	7.725	ng/u1	95
96) Benzo(g,h,i)perylene	28.586	276	310740m	2.434	ng/u1	

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

Instrument :

BNA_N

ClientSampleId :

BH5S8DL

Manual Integrations**APPROVED**

Reviewed By :Jagrut Upadhyay 06/05/2024

Supervised By :mohammad ahmed 06/07/2024

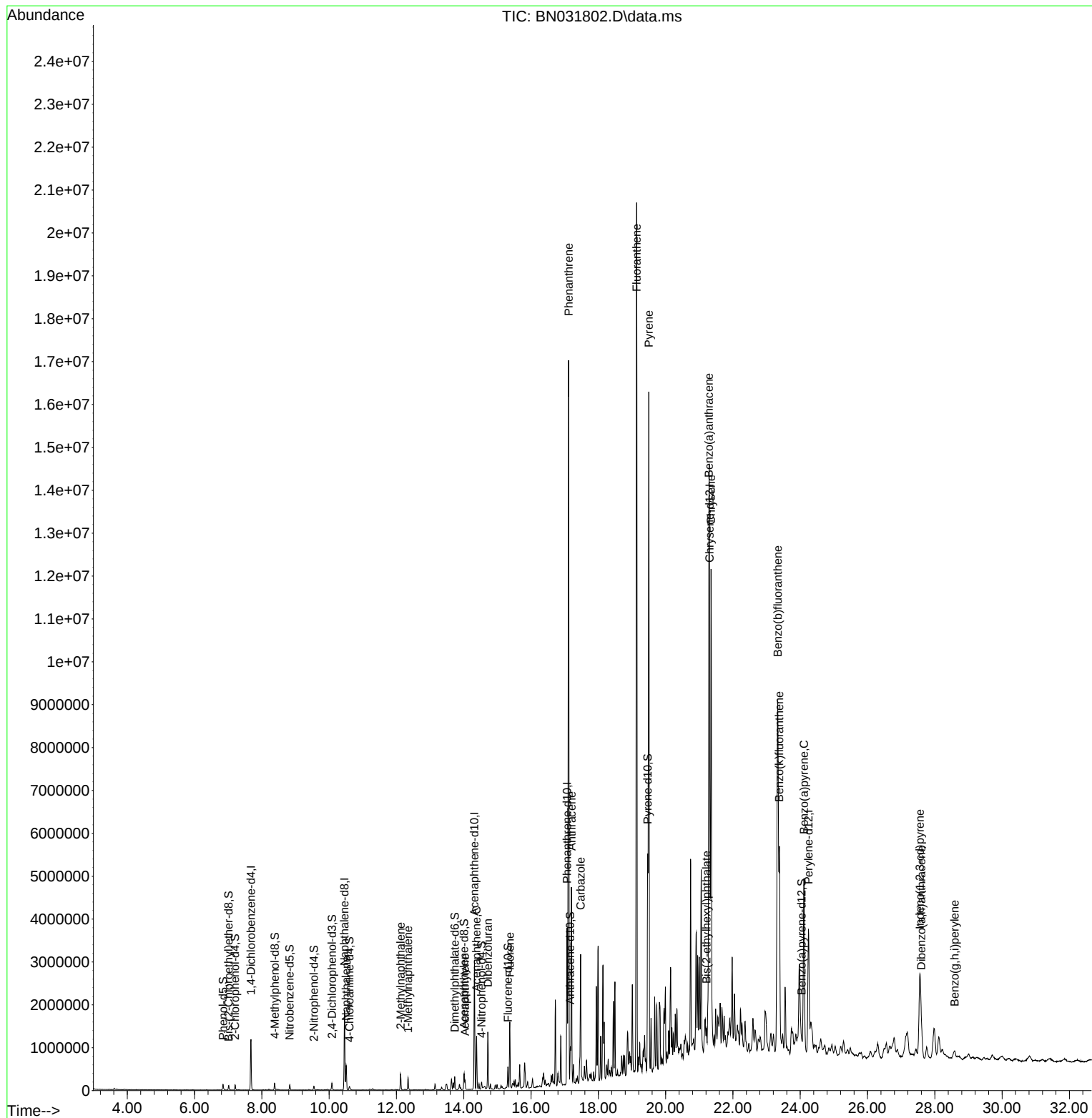
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
Data File : BN031802.D
Acq On : 05 Jun 2024 16:26
Operator : MA/JU
Sample : P2591-05DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

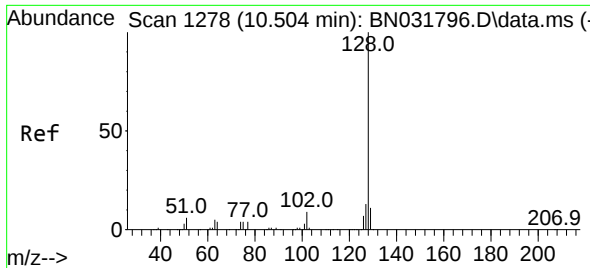
Instrument :
BNA_N
ClientSampleId :
BH5S8DL

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

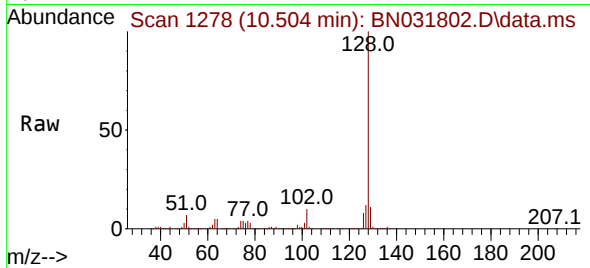
Quant Time: Jun 06 01:00:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 5.876 ng/ul
RT: 10.504 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN031802.D
Acq: 05 Jun 2024 16:26

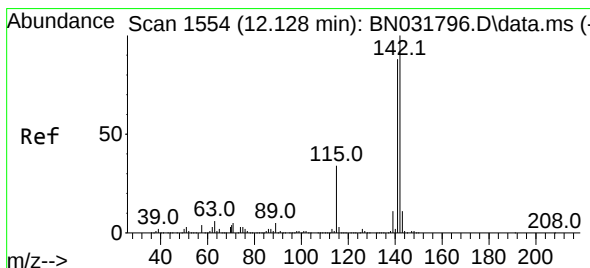
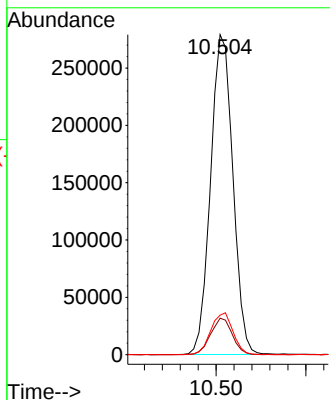
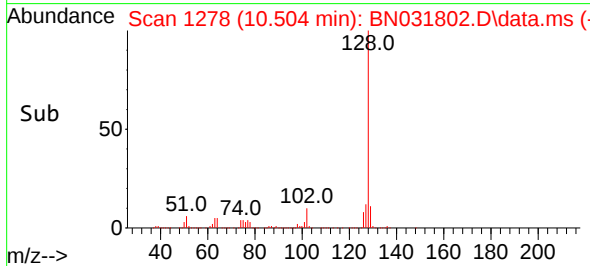
Instrument :
BNA_N
ClientSampleId :
BH5S8DL



Tgt Ion:128 Resp: 481672
Ion Ratio Lower Upper
128 100
129 11.4 8.5 12.7
127 12.4 10.3 15.5

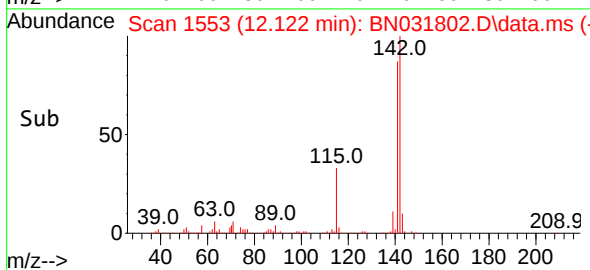
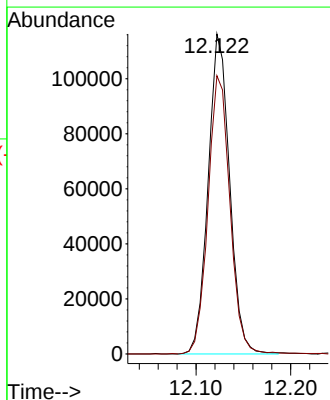
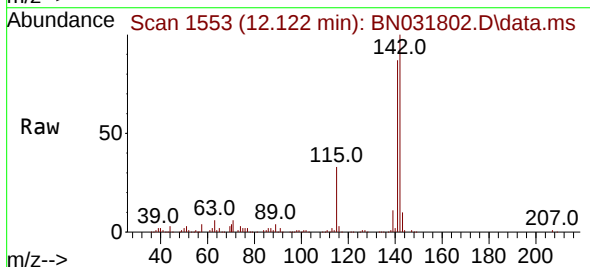
Manual Integrations
APPROVED

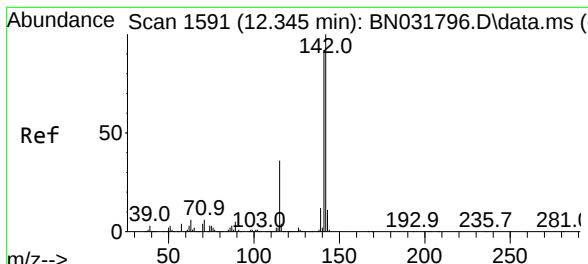
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#36
2-Methylnaphthalene
Concen: 3.267 ng/ul
RT: 12.122 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BN031802.D
Acq: 05 Jun 2024 16:26

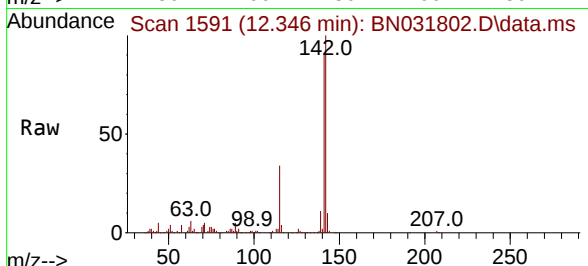
Tgt Ion:142 Resp: 183030
Ion Ratio Lower Upper
142 100
141 86.9 70.1 105.1





#37
 1-Methylnaphthalene
 Concen: 2.405 ng/ul
 RT: 12.346 min Scan# 1591
 Delta R.T. -0.012 min
 Lab File: BN031802.D
 Acq: 05 Jun 2024 16:26

Instrument : BNA_N
 ClientSampleId : BH5S8DL

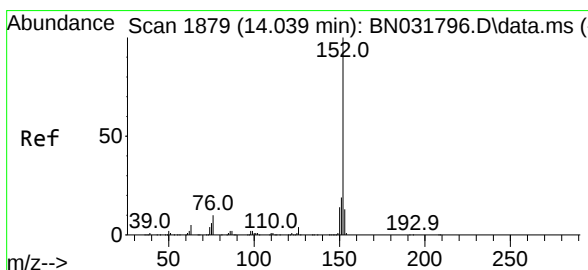
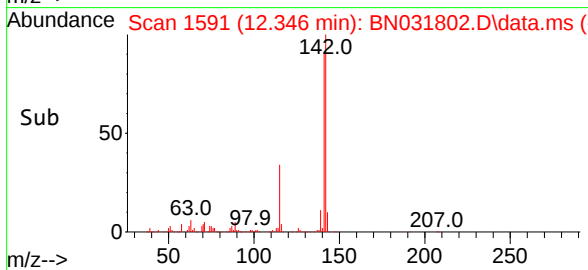
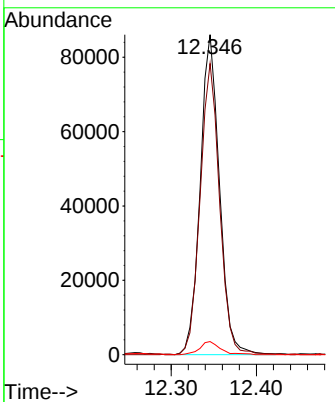


Tgt Ion:142 Resp: 13522

Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.7	107.5
116	4.1	3.0	4.4

Manual Integrations
 APPROVED

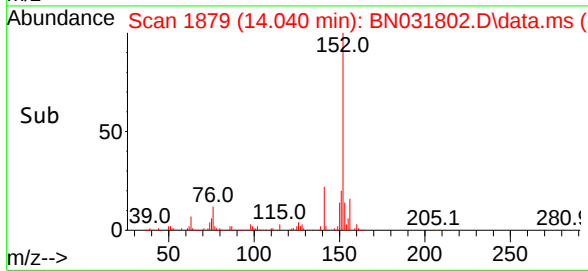
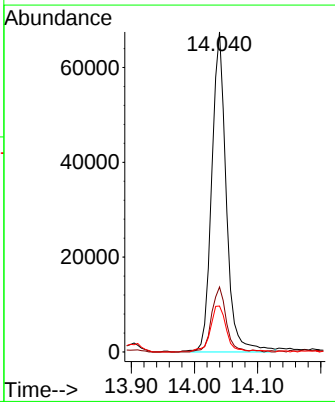
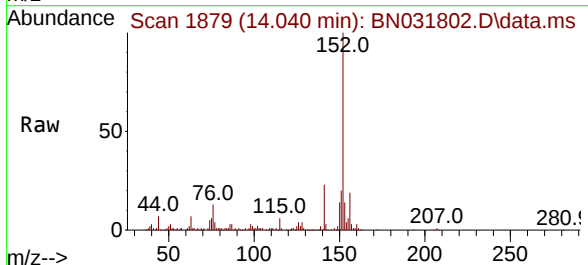
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

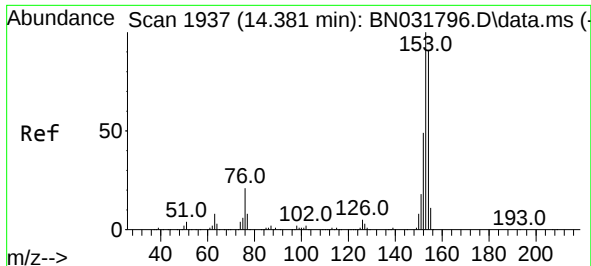


#50
 Acenaphthylene
 Concen: 1.117 ng/ul
 RT: 14.040 min Scan# 1879
 Delta R.T. -0.006 min
 Lab File: BN031802.D
 Acq: 05 Jun 2024 16:26

Tgt Ion:152 Resp: 108084

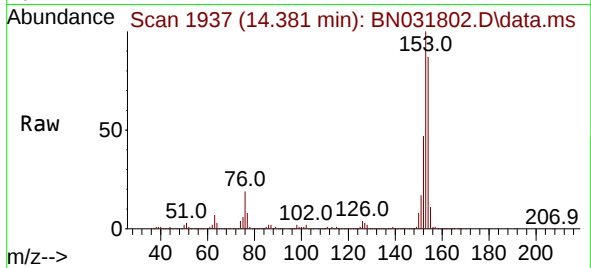
Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	14.4	10.4	15.6





#52
Acenaphthene
Concen: 7.704 ng/u1
RT: 14.381 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BN031802.D
Acq: 05 Jun 2024 16:26

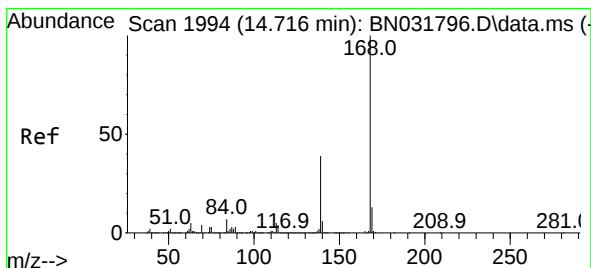
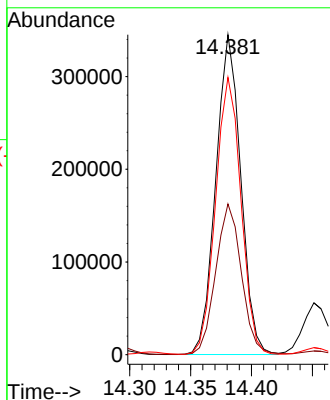
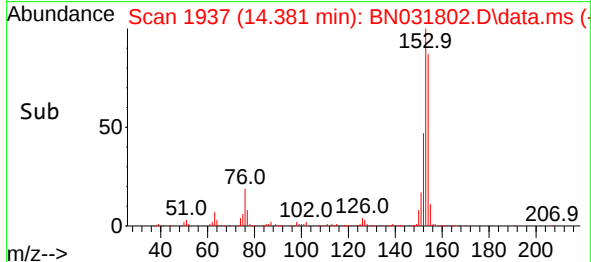
Instrument :
BNA_N
ClientSampleId :
BH5S8DL



Tgt Ion:153 Resp: 49329
Ion Ratio Lower Upper
153 100
152 47.1 37.8 56.6
154 86.7 69.8 104.8

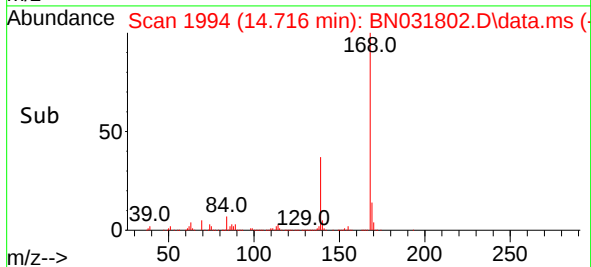
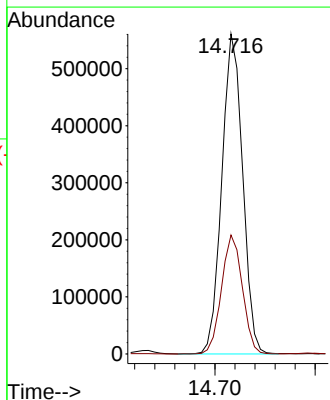
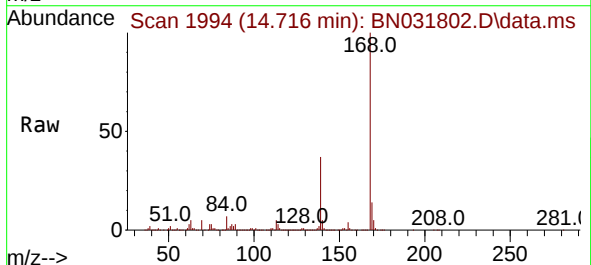
Manual Integrations
APPROVED

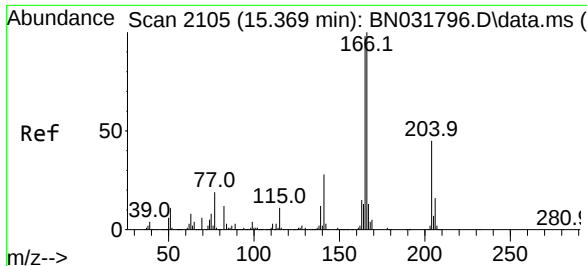
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#56
Dibenzofuran
Concen: 9.278 ng/u1
RT: 14.716 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BN031802.D
Acq: 05 Jun 2024 16:26

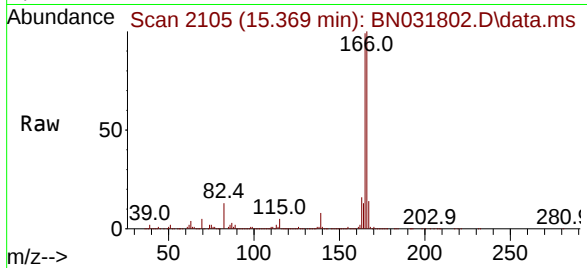
Tgt Ion:168 Resp: 807152
Ion Ratio Lower Upper
168 100
139 37.2 29.4 44.0





#61
Fluorene
Concen: 9.699 ng/ul
RT: 15.369 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BN031802.D
Acq: 05 Jun 2024 16:26

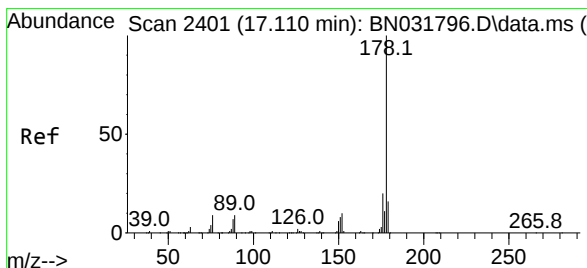
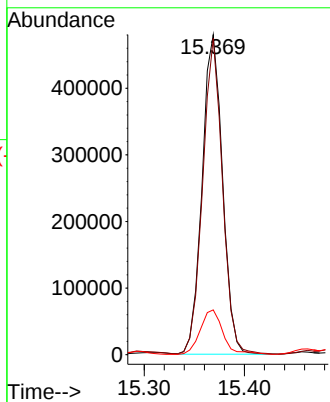
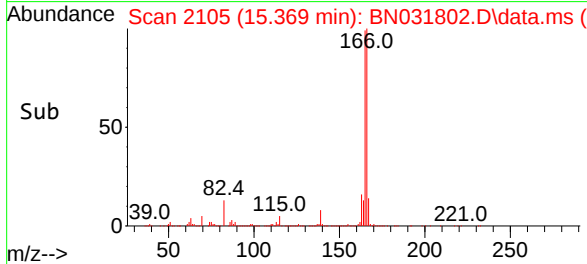
Instrument :
BNA_N
ClientSampleId :
BH5S8DL



Tgt Ion:166 Resp: 67941
Ion Ratio Lower Upper
166 100
165 98.8 80.3 120.5
167 14.0 11.3 16.9

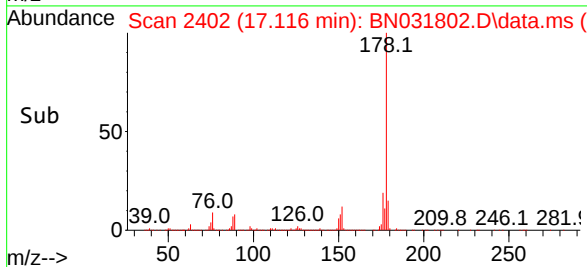
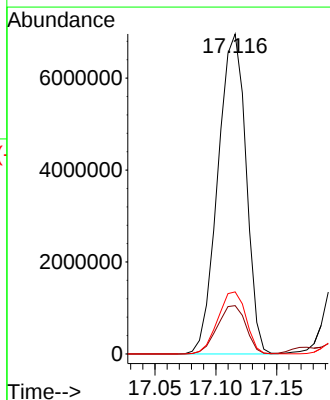
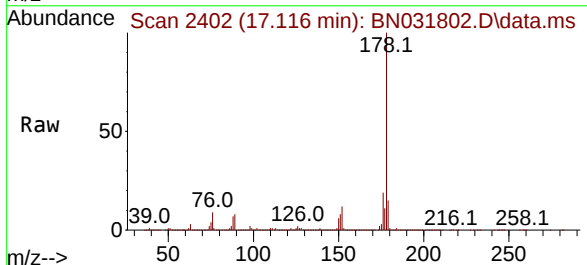
Manual Integrations
APPROVED

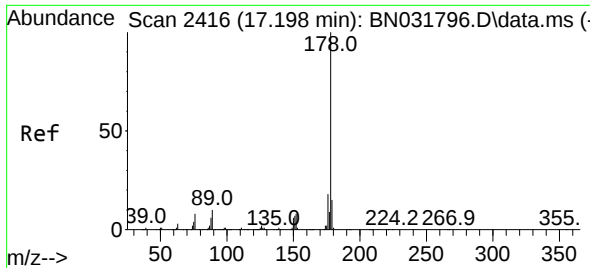
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#72
Phenanthrene
Concen: 96.819 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BN031802.D
Acq: 05 Jun 2024 16:26

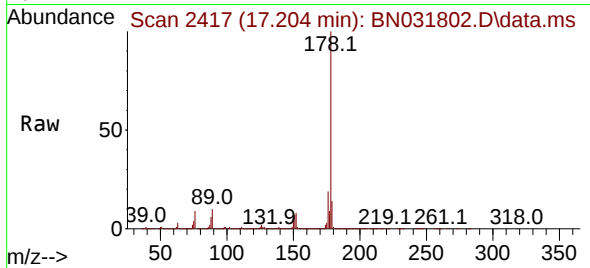
Tgt Ion:178 Resp:11178443
Ion Ratio Lower Upper
178 100
179 15.1 12.6 19.0
176 19.4 15.8 23.6





#74
 Anthracene
 Concen: 24.858 ng/ul
 RT: 17.204 min Scan# 2416
 Delta R.T. -0.000 min
 Lab File: BN031802.D
 Acq: 05 Jun 2024 16:26

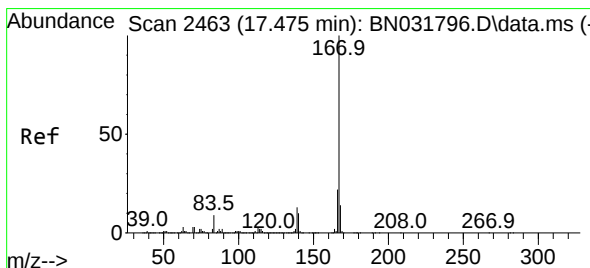
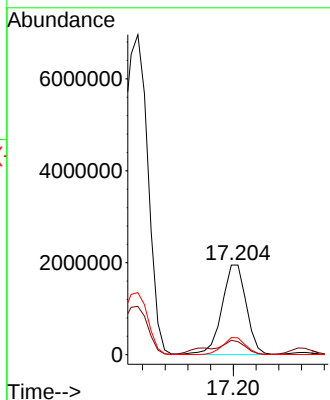
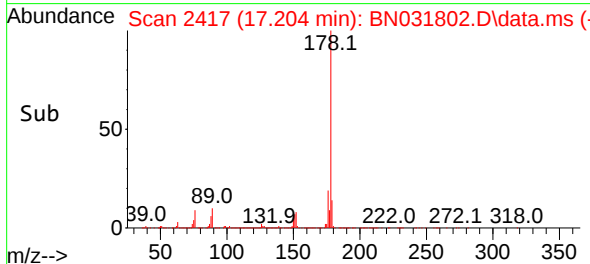
Instrument :
 BNA_N
 ClientSampleId :
 BH5S8DL



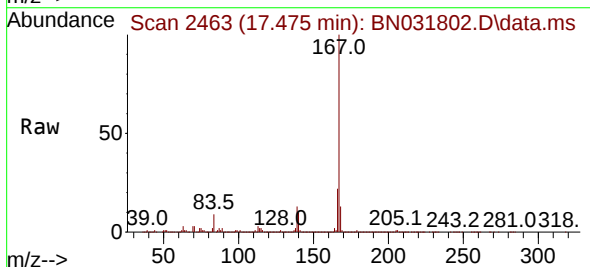
Tgt Ion:178 Resp: 2908120
 Ion Ratio Lower Upper
 178 100
 179 14.5 11.8 17.6
 176 18.7 14.8 22.2

Manual Integrations
 APPROVED

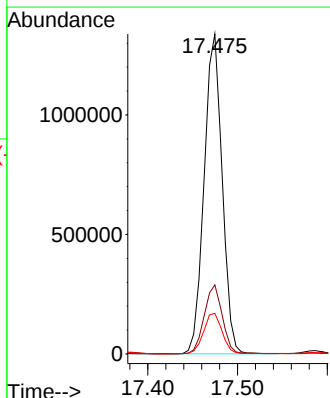
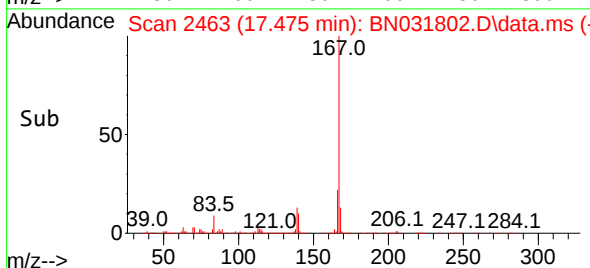
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

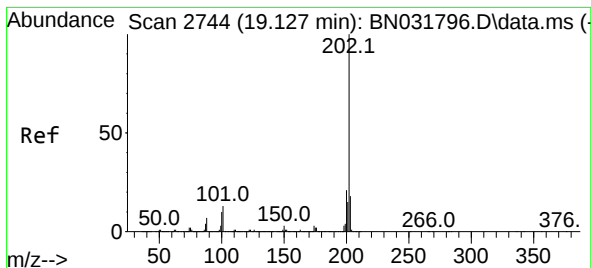


#77
 Carbazole
 Concen: 18.679 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. -0.000 min
 Lab File: BN031802.D
 Acq: 05 Jun 2024 16:26



Tgt Ion:167 Resp: 1863330
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.9 26.9
 139 12.7 10.5 15.7





#80

Fluoranthene

Concen: 108.302 ng/u1

RT: 19.139 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN031802.D

Acq: 05 Jun 2024 16:26

Instrument :

BNA_N

ClientSampleId :

BH5S8DL

Tgt Ion:202 Resp:1384652

Ion Ratio Lower Upper

202 100

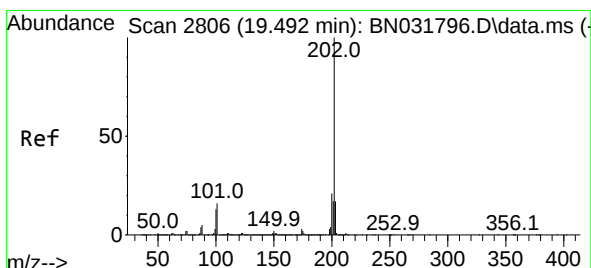
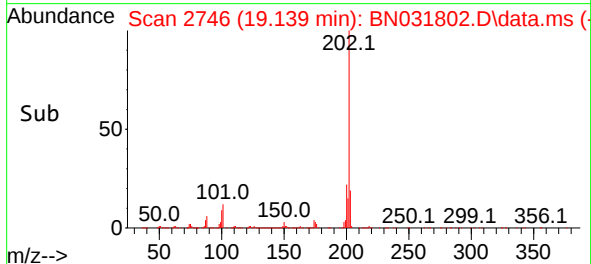
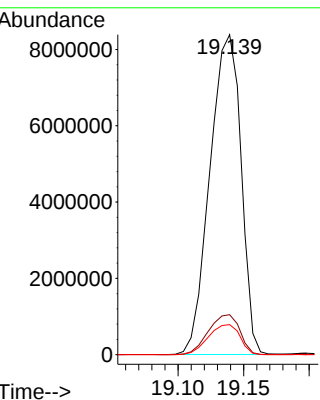
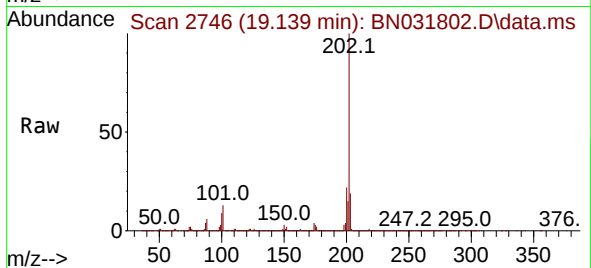
101 12.5 10.3 15.5

100 9.4 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#82

Pyrene

Concen: 79.889 ng/u1

RT: 19.498 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BN031802.D

Acq: 05 Jun 2024 16:26

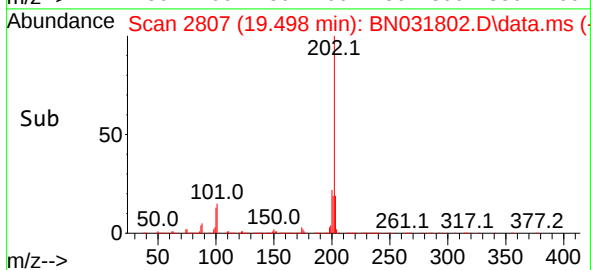
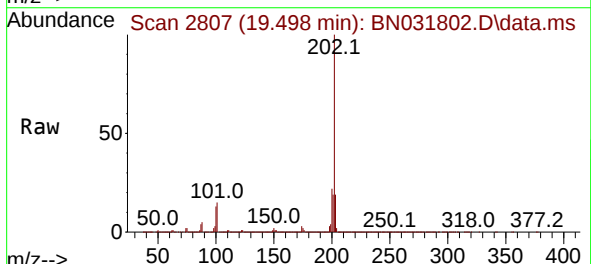
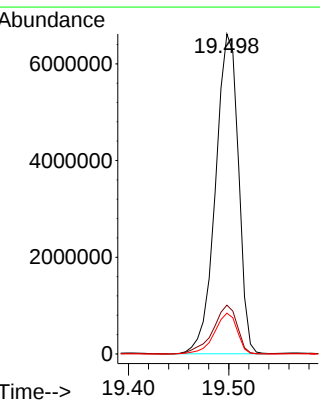
Tgt Ion:202 Resp:10479434

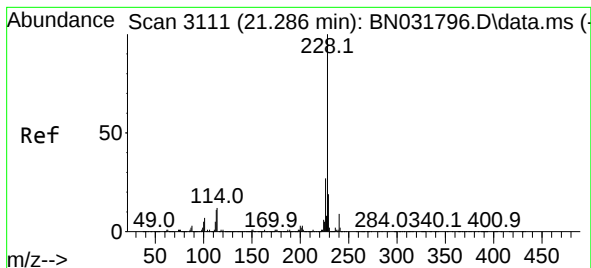
Ion Ratio Lower Upper

202 100

101 15.3 12.6 18.8

100 12.8 10.2 15.2





#85

Benzo(a)anthracene

Concen: 57.715 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BN031802.D

Acq: 05 Jun 2024 16:26

Instrument :

BNA_N

ClientSampleId :

BH5S8DL

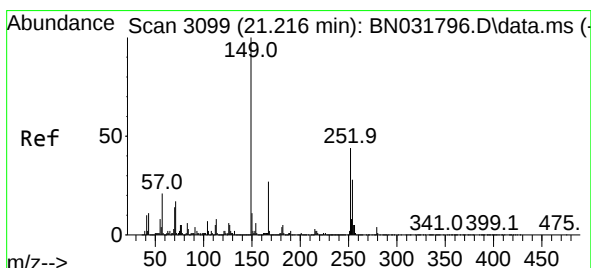
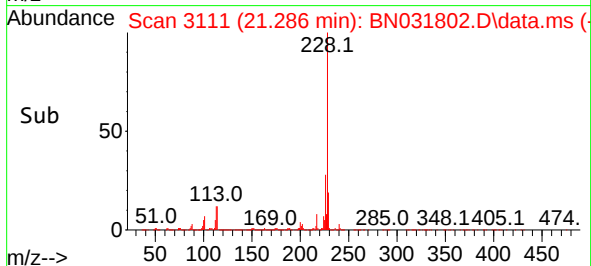
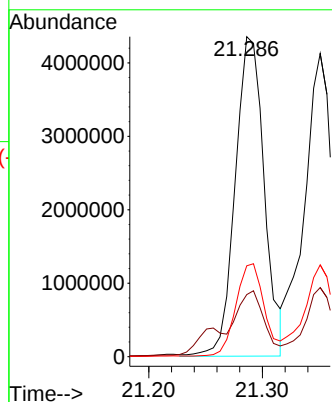
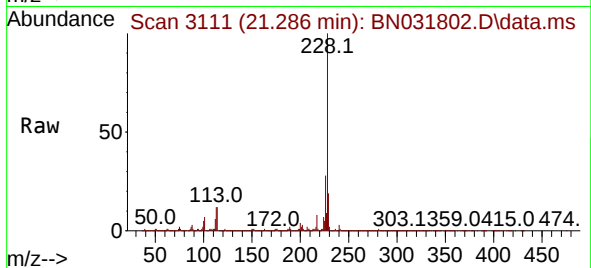
Tgt Ion:228 Resp: 7722924

Ion	Ratio	Lower	Upper
228	100		
229	19.4	16.7	25.1
226	28.4	22.8	34.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.901 ng/ul

RT: 21.216 min Scan# 3099

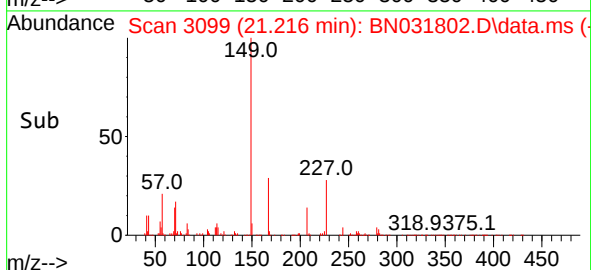
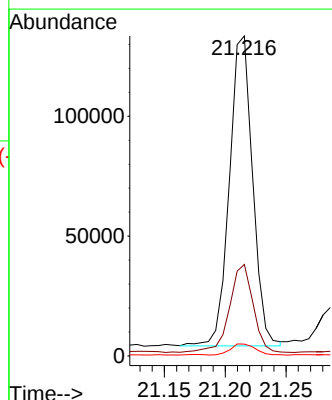
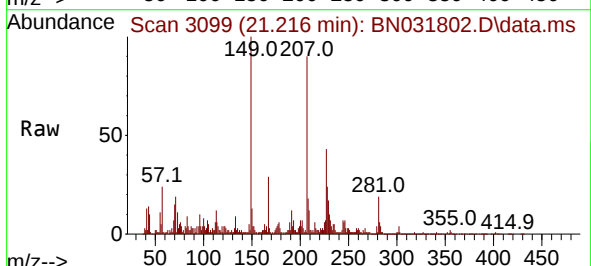
Delta R.T. -0.006 min

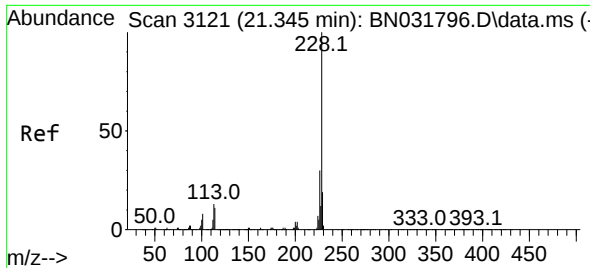
Lab File: BN031802.D

Acq: 05 Jun 2024 16:26

Tgt Ion:149 Resp: 171700

Ion	Ratio	Lower	Upper
149	100		
167	28.6	21.4	32.0
279	3.7	3.3	4.9





#87

Chrysene

Concen: 56.165 ng/ul m

RT: 21.351 min Scan# 3121

Delta R.T. -0.000 min

Lab File: BN031802.D

Acq: 05 Jun 2024 16:26

Instrument :

BNA_N

ClientSampleId :

BH5S8DL

Tgt Ion:228 Resp: 7020100

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

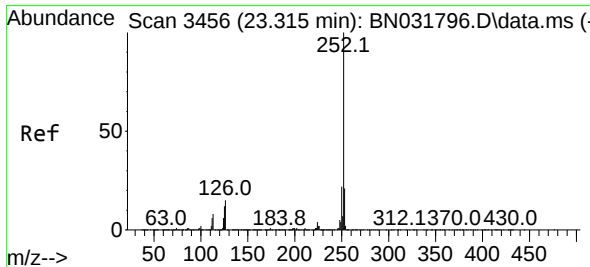
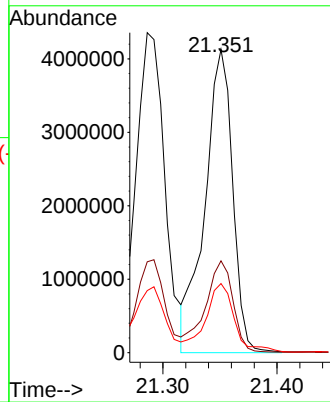
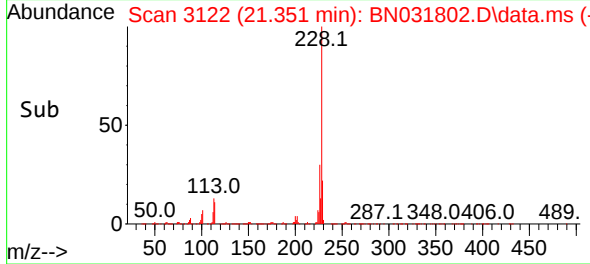
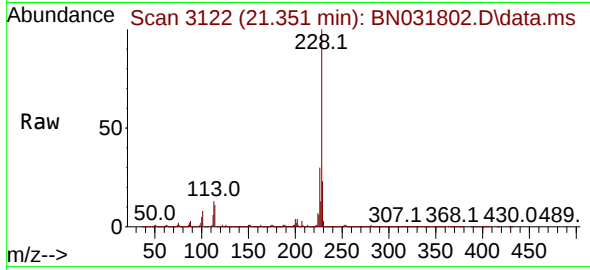
229 22.8 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024

Supervised By :mohammad ahmed 06/07/2024



#90

Benzo(b)fluoranthene

Concen: 64.081 ng/ul

RT: 23.333 min Scan# 3459

Delta R.T. 0.023 min

Lab File: BN031802.D

Acq: 05 Jun 2024 16:26

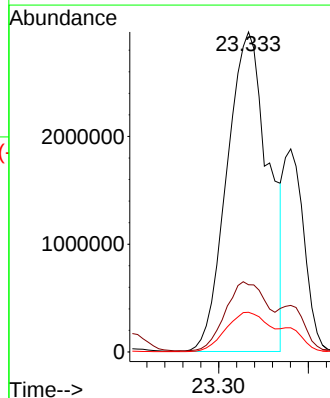
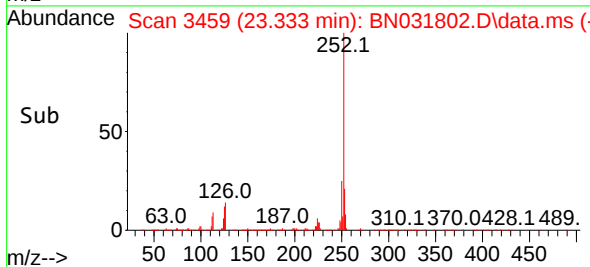
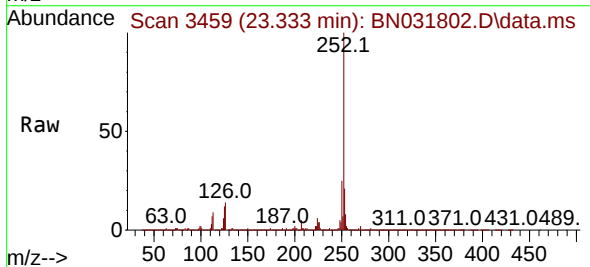
Tgt Ion:252 Resp: 9537558

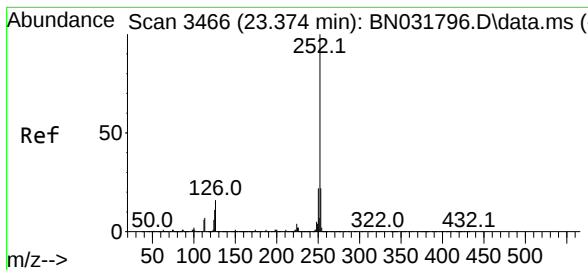
Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.6

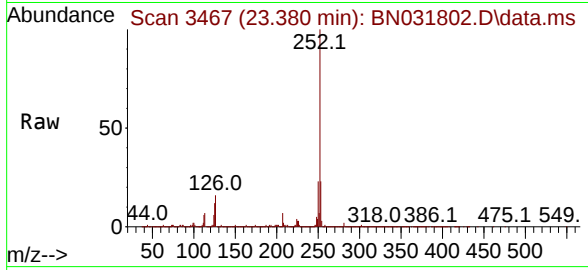
125 12.4 9.2 13.8





#91
 Benzo(k)fluoranthene
 Concen: 19.818 ng/ul
 RT: 23.380 min Scan# 3466
 Delta R.T. 0.006 min
 Lab File: BN031802.D
 Acq: 05 Jun 2024 16:26

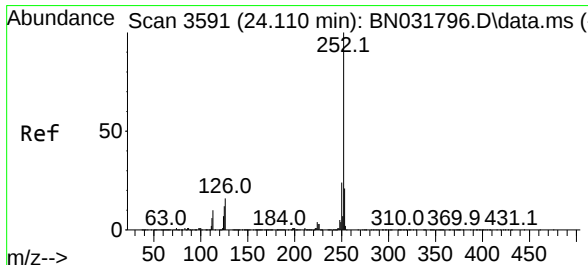
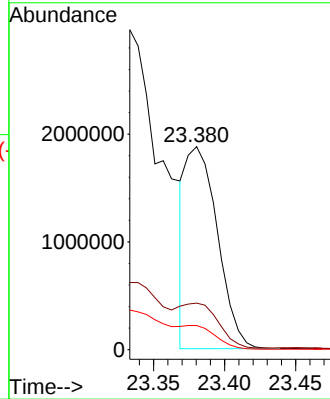
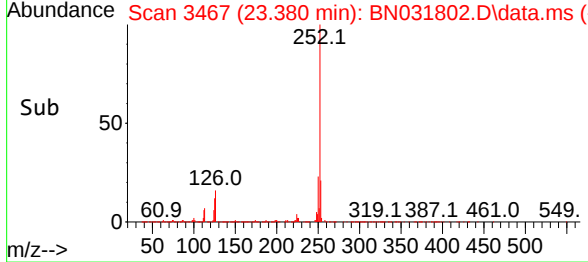
Instrument :
 BNA_N
 ClientSampleId :
 BH5S8DL



Tgt Ion:252 Resp: 289441
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.6 26.4
 125 11.9 9.4 14.2

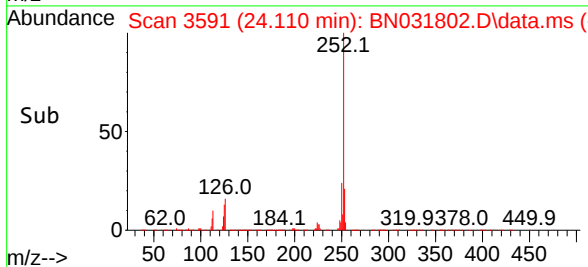
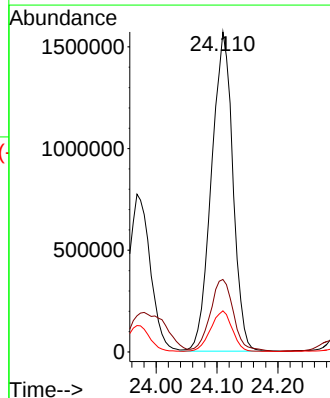
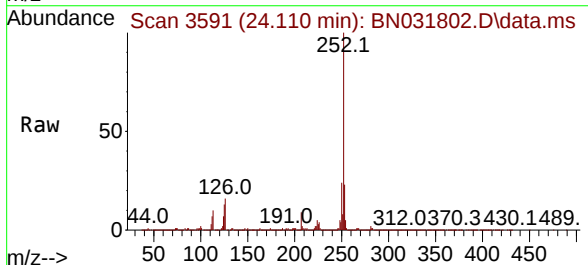
Manual Integrations
 APPROVED

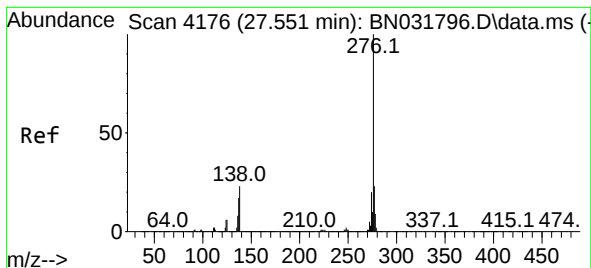
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024



#93
 Benzo(a)pyrene
 Concen: 27.422 ng/ul
 RT: 24.110 min Scan# 3591
 Delta R.T. 0.006 min
 Lab File: BN031802.D
 Acq: 05 Jun 2024 16:26

Tgt Ion:252 Resp: 3822612
 Ion Ratio Lower Upper
 252 100
 253 22.7 16.6 24.8
 125 12.8 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 17.089 ng/ul

RT: 27.557 min Scan# 4176

Delta R.T. 0.023 min

Lab File: BN031802.D

Acq: 05 Jun 2024 16:26

Instrument :

BNA_N

ClientSampleId :

BH5S8DL

Tgt Ion:276 Resp: 274500

Ion Ratio Lower Upper

276 100

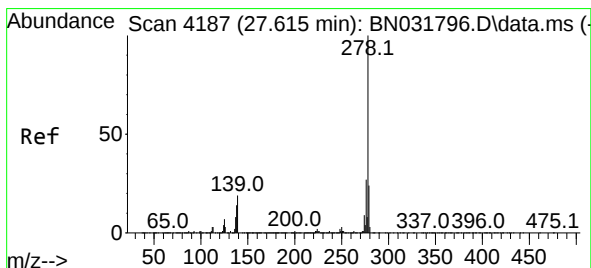
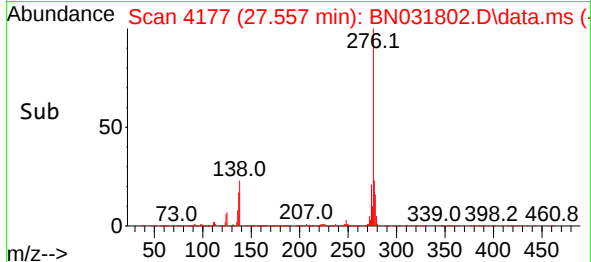
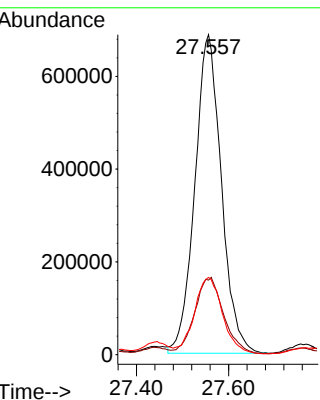
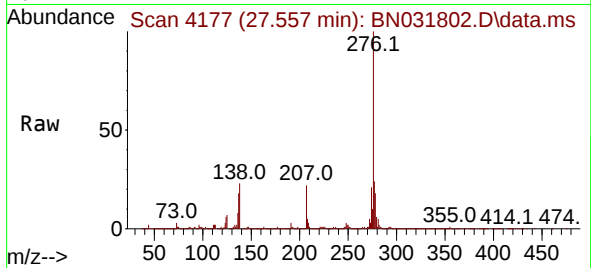
138 23.3 18.1 27.1

277 24.2 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#95

Dibenzo(a,h)anthracene

Concen: 7.725 ng/ul

RT: 27.598 min Scan# 4184

Delta R.T. -0.006 min

Lab File: BN031802.D

Acq: 05 Jun 2024 16:26

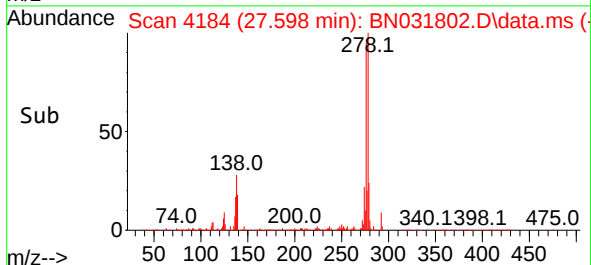
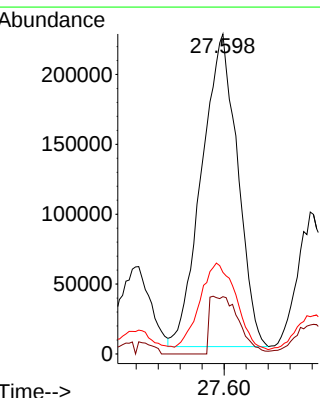
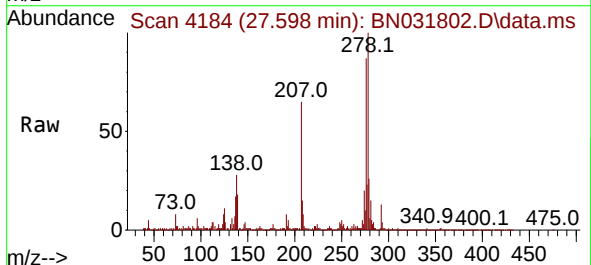
Tgt Ion:278 Resp: 1013153

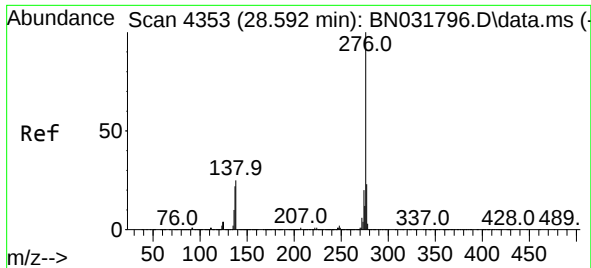
Ion Ratio Lower Upper

278 100

139 17.9 15.0 22.6

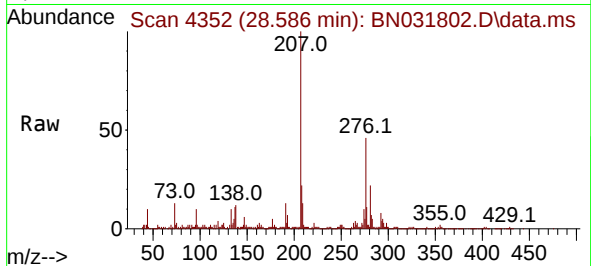
279 25.5 17.4 26.0





#96
 Benzo(g,h,i)perylene
 Concen: 2.434 ng/ul m
 RT: 28.586 min Scan# 4352
 Delta R.T. 0.018 min
 Lab File: BN031802.D
 Acq: 05 Jun 2024 16:26

Instrument :
 BNA_N
 ClientSampleId :
 BH5S8DL



Tgt Ion:276 Resp: 310740
 Ion Ratio Lower Upper
 276 100
 138 26.5 20.9 31.3
 277 24.2 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

