

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062223\
 Data File : BN025935.D
 Acq On : 22 Jun 2023 13:46
 Operator : MA/JU
 Sample : 03083-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFK7

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 01:02:57 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 22 01:27:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.980	152	8350	0.400	ng/ul	0.00
4) Naphthalene-d8	10.792	136	25473	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.617	164	15858	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.364	188	33925	0.400	ng/ul	0.00
17) Chrysene-d12	21.549	240	21227	0.400	ng/ul	0.00
23) Perylene-d12	24.005	264	17287	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	22900	2.435	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.376	152	7205	0.184	ng/ul	0.00
18) Fluoranthene-d10	19.387	212	16771	0.208	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.842	128	22285	0.305	ng/ul	99
7) 2-Methylnaphthalene	12.453	142	17101	0.368	ng/ul	97
8) 1-Methylnaphthalene	12.668	142	14256	0.296	ng/ul	100
10) Acenaphthylene	14.339	152	31858	0.429	ng/ul	98
11) Acenaphthene	14.681	153	3784	0.062	ng/ul	97
12) Fluorene	15.662	166	6350	0.091	ng/ul#	92
14) Pentachlorophenol	17.013	266	333	0.027	ng/ul	96
15) Phenanthrene	17.402	178	176244	1.573	ng/ul	100
16) Anthracene	17.495	178	24530	0.246	ng/ul	97
19) Fluoranthene	19.419	202	422655	3.728	ng/ul	98
20) Pyrene	19.782	202	338651	2.872	ng/ul	95
21) Benzo(a)anthracene	21.532	228	173710	1.984	ng/ul	96
22) Chrysene	21.587	228	198530	2.179	ng/ul	96
24) Benzo(b)fluoranthene	23.256	252	226016m	3.063	ng/ul	
25) Benzo(k)fluoranthene	23.300	252	83527m	1.127	ng/ul	
26) Benzo(a)pyrene	23.897	252	134614	2.101	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.568	276	102890	1.470	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.578	278	28156	0.531	ng/ul	92
29) Benzo(g,h,i)perylene	27.363	276	123428	1.982	ng/ul	97

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

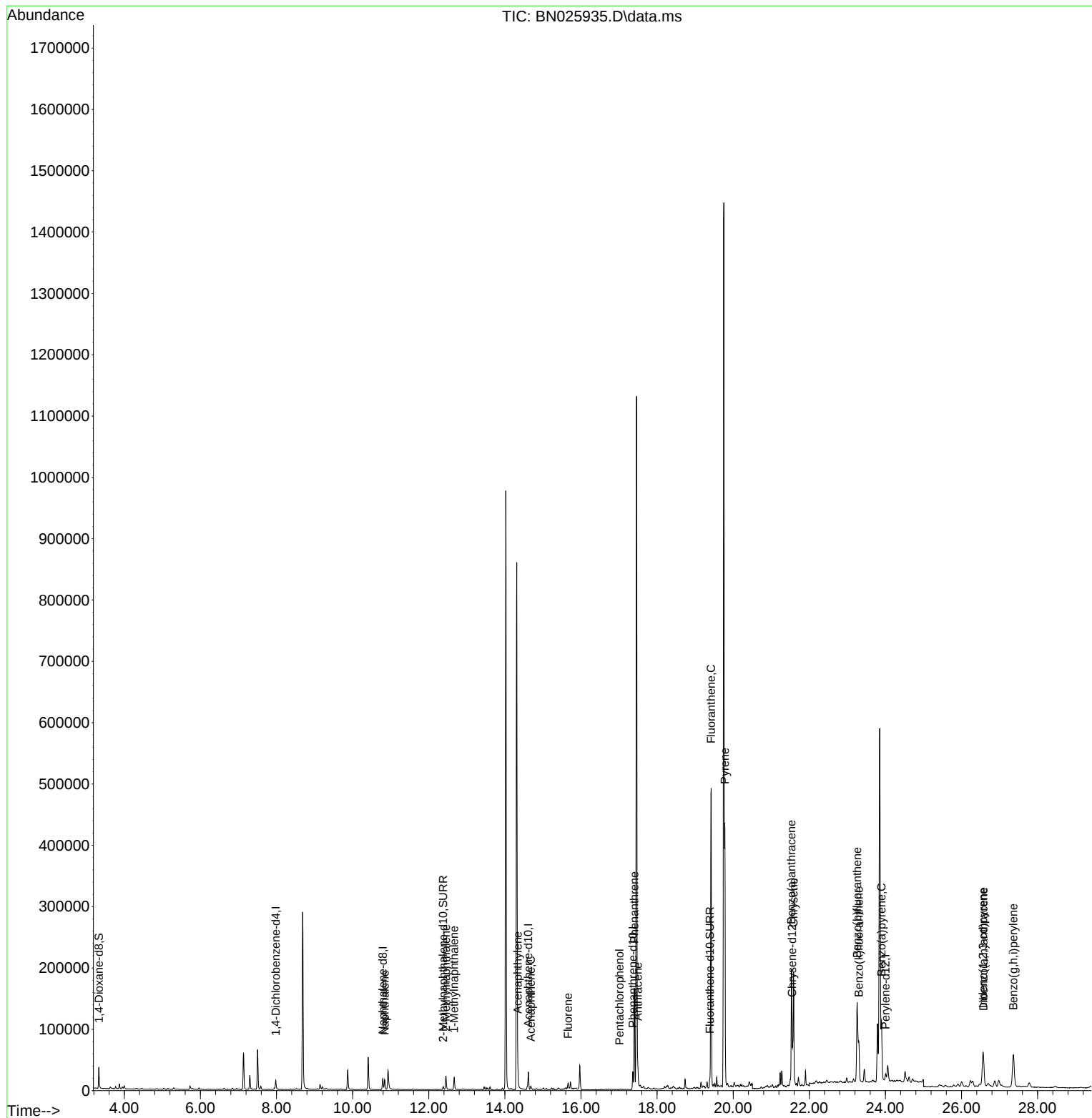
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062223\
Data File : BN025935.D
Acq On : 22 Jun 2023 13:46
Operator : MA/JU
Sample : 03083-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

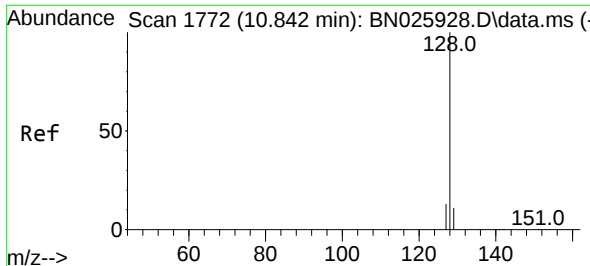
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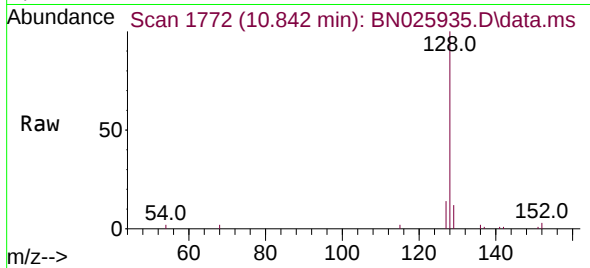
Quant Time: Jun 23 01:02:57 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 22 01:27:41 2023
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#5
Naphthalene
Concen: 0.305 ng/ul
RT: 10.842 min Scan# 1772
Delta R.T. -0.005 min
Lab File: BN025935.D
Acq: 22 Jun 2023 13:46

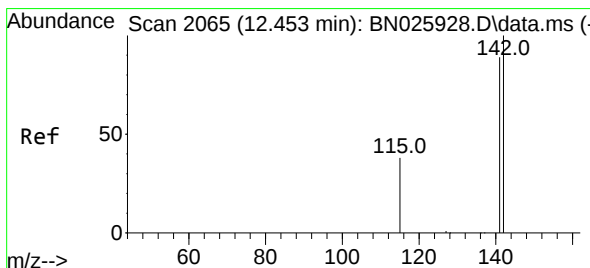
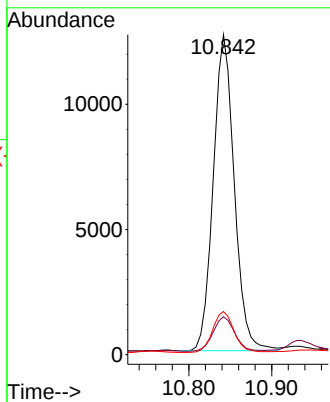
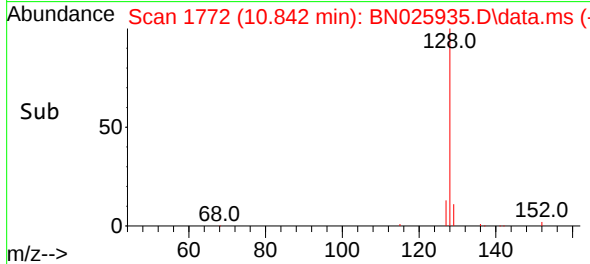
Instrument :
BNA_N
ClientSampleId :
DCFK7



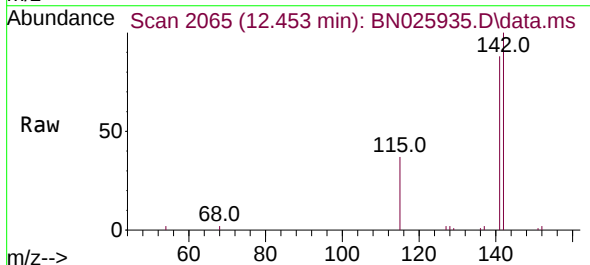
Tgt Ion:128 Resp: 22285
Ion Ratio Lower Upper
128 100
129 11.8 9.1 13.7
127 13.5 10.7 16.1

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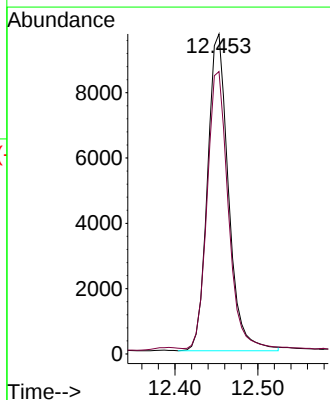
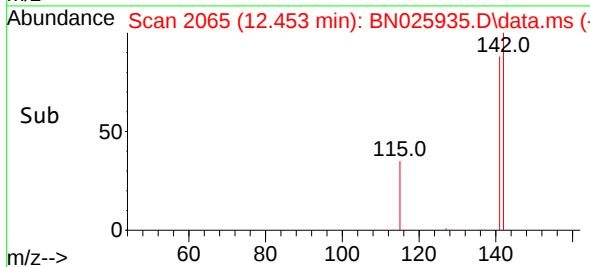
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

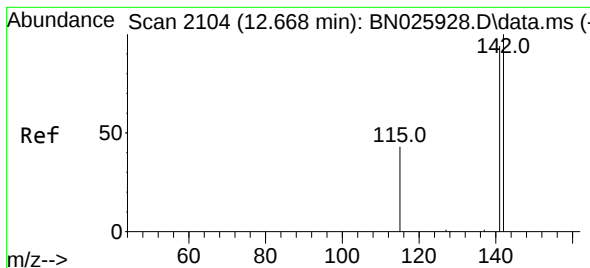


#7
2-Methylnaphthalene
Concen: 0.368 ng/ul
RT: 12.453 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BN025935.D
Acq: 22 Jun 2023 13:46



Tgt Ion:142 Resp: 17101
Ion Ratio Lower Upper
142 100
141 87.3 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.296 ng/ul

RT: 12.668 min Scan# 2104

Delta R.T. -0.005 min

Lab File: BN025935.D

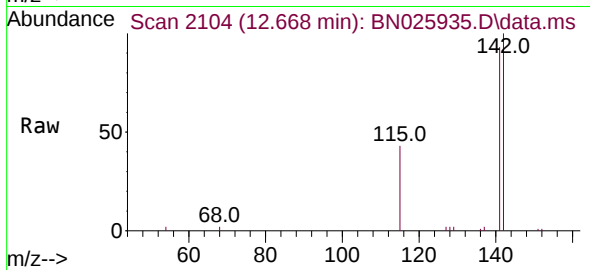
Acq: 22 Jun 2023 13:46

Instrument :

BNA_N

ClientSampleId :

DCFK7



Tgt Ion:142 Resp: 14250

Ion Ratio Lower Upper

142 100

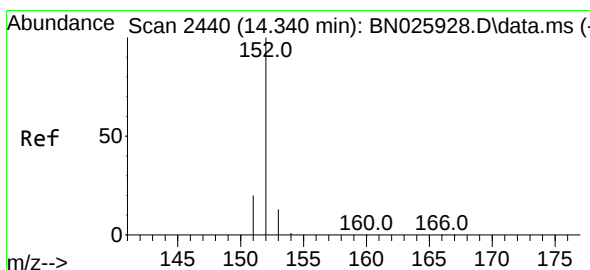
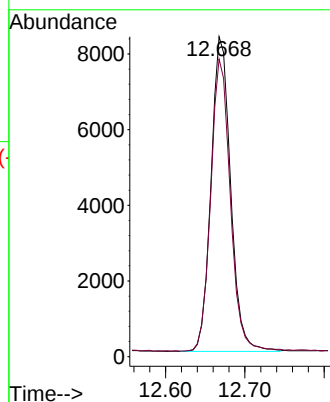
141 92.6 74.2 111.4

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#10

Acenaphthylene

Concen: 0.429 ng/ul

RT: 14.339 min Scan# 2440

Delta R.T. -0.005 min

Lab File: BN025935.D

Acq: 22 Jun 2023 13:46

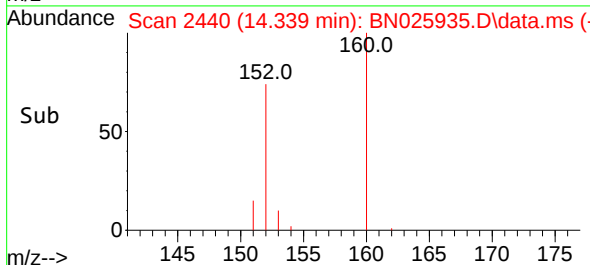
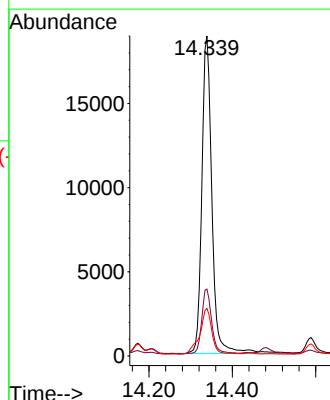
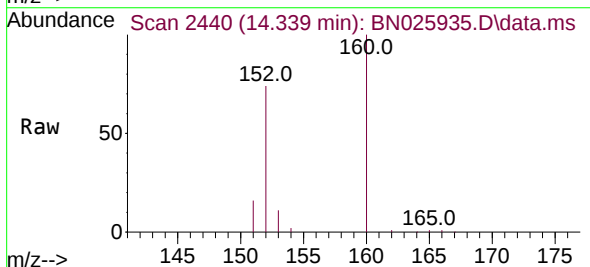
Tgt Ion:152 Resp: 31858

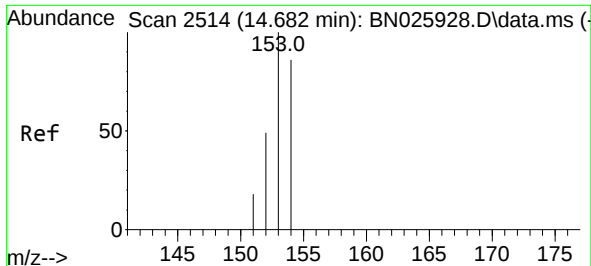
Ion Ratio Lower Upper

152 100

151 20.9 16.2 24.4

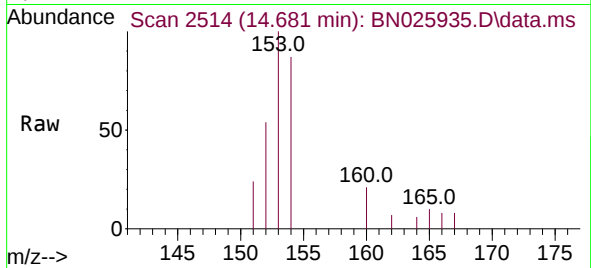
153 14.8 10.9 16.3





#11
Acenaphthene
Concen: 0.062 ng/u1
RT: 14.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN025935.D
Acq: 22 Jun 2023 13:46

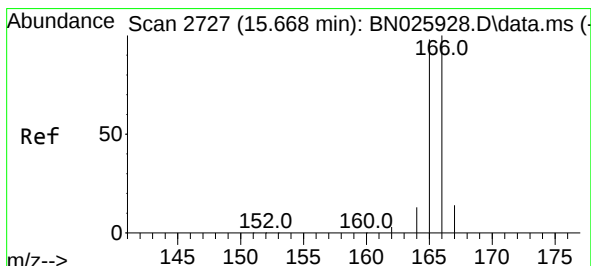
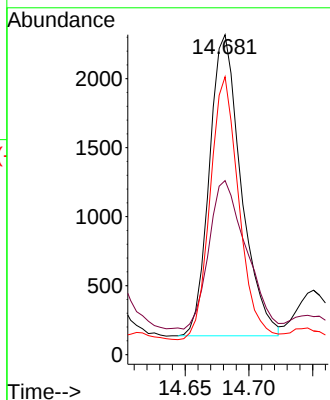
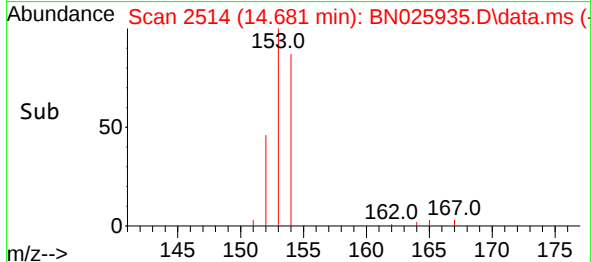
Instrument :
BNA_N
ClientSampleId :
DCFK7



Tgt Ion:153 Resp: 3784
Ion Ratio Lower Upper
153 100
152 54.4 39.4 59.0
154 86.8 68.9 103.3

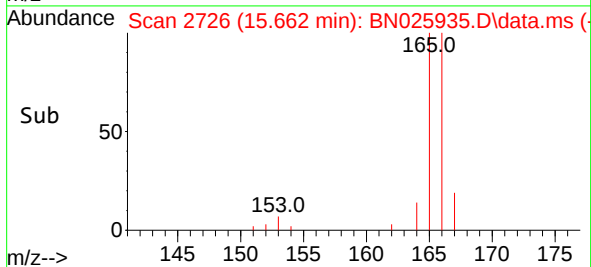
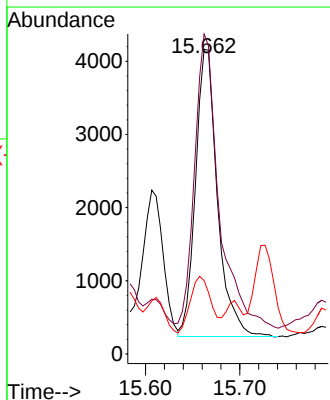
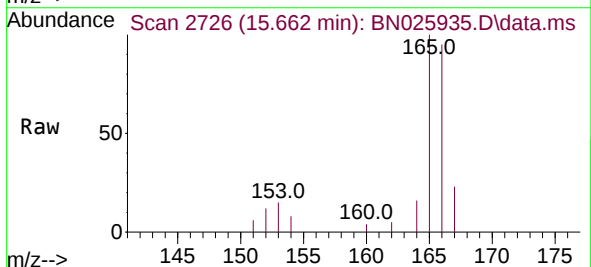
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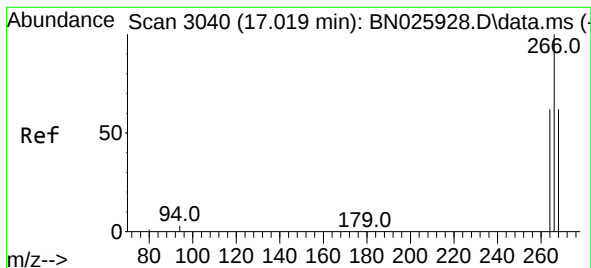
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#12
Fluorene
Concen: 0.091 ng/u1
RT: 15.662 min Scan# 2726
Delta R.T. -0.005 min
Lab File: BN025935.D
Acq: 22 Jun 2023 13:46

Tgt Ion:166 Resp: 6350
Ion Ratio Lower Upper
166 100
165 105.0 79.9 119.9
167 24.1 10.8 16.2#





#14

Pentachlorophenol

Concen: 0.027 ng/uI

RT: 17.013 min Scan# 3040

Delta R.T. -0.004 min

Lab File: BN025935.D

Acq: 22 Jun 2023 13:46

Instrument :

BNA_N

ClientSampleId :

DCFK7

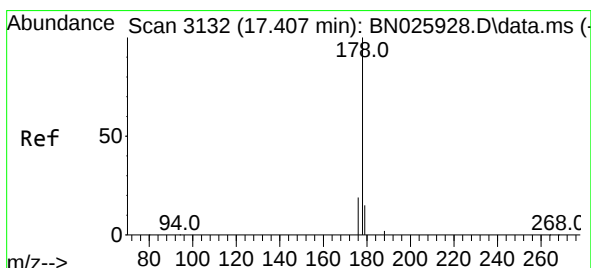
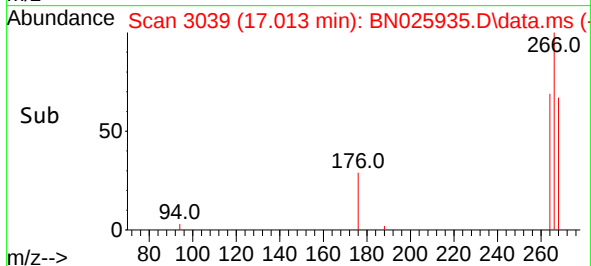
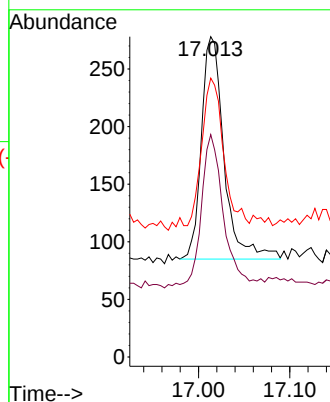
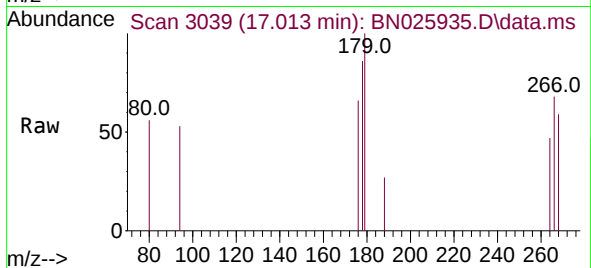
Tgt Ion:	266	Resp:	33
Ion Ratio	Lower	Upper	
266	100		
264	69.4	50.5	75.7
268	64.0	51.6	77.4

Manual Integrations

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Supervised By :mohammad ahmed 06/23/2023



#15

Phenanthrene

Concen: 1.573 ng/uI

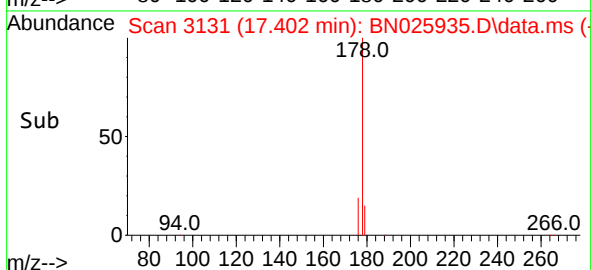
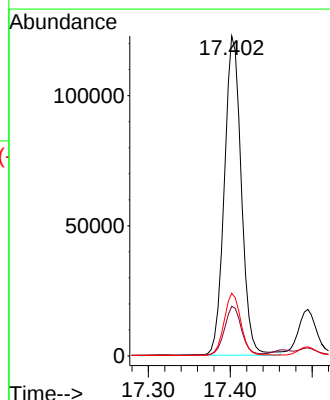
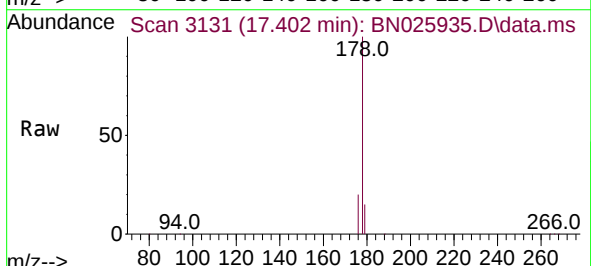
RT: 17.402 min Scan# 3131

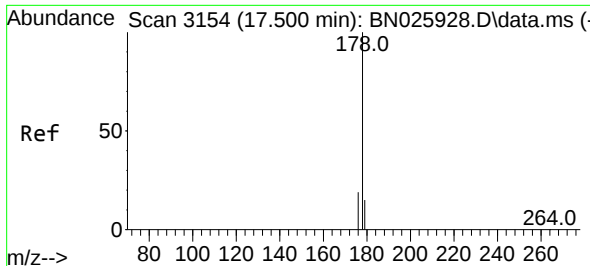
Delta R.T. -0.004 min

Lab File: BN025935.D

Acq: 22 Jun 2023 13:46

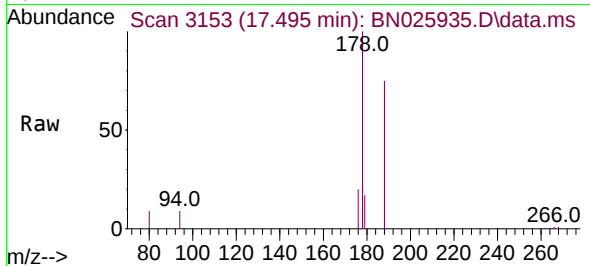
Tgt Ion:	178	Resp:	176244
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.6	19.0
176	19.6	15.8	23.6





#16
 Anthracene
 Concen: 0.246 ng/ul
 RT: 17.495 min Scan# 3154
 Delta R.T. -0.004 min
 Lab File: BN025935.D
 Acq: 22 Jun 2023 13:46

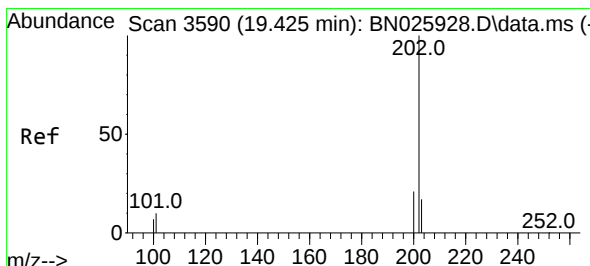
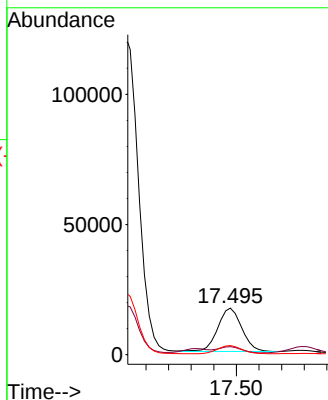
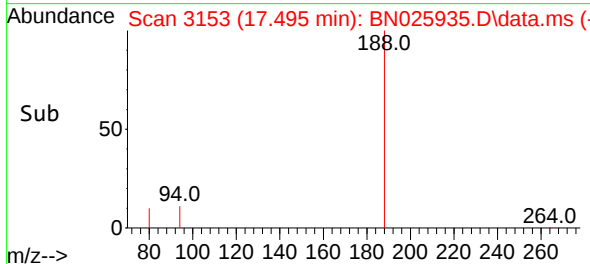
Instrument :
 BNA_N
 ClientSampleId :
 DCFK7



Tgt Ion:178 Resp: 24530
 Ion Ratio Lower Upper
 178 100
 179 17.2 12.6 18.8
 176 19.6 15.1 22.7

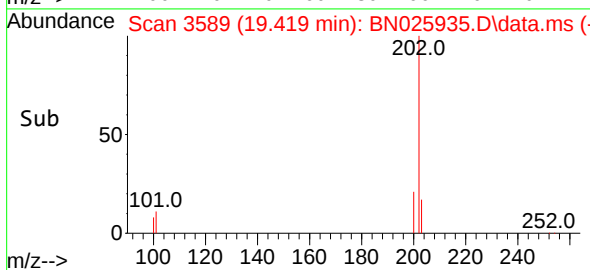
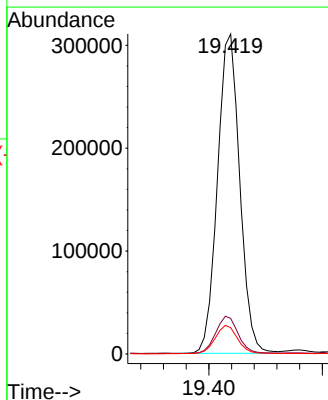
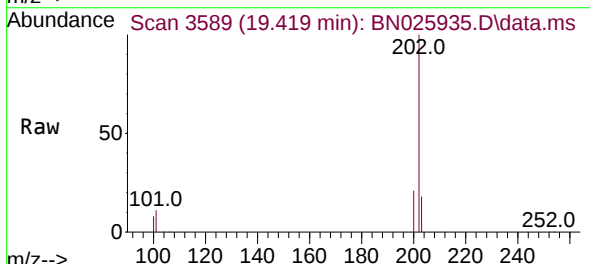
Manual Integrations
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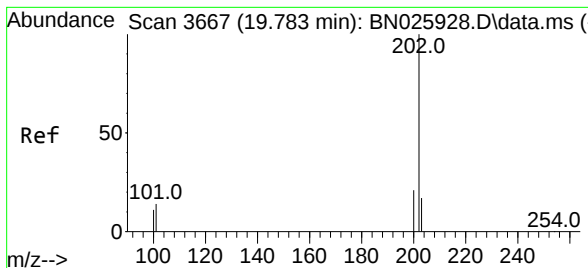
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#19
 Fluoranthene
 Concen: 3.728 ng/ul
 RT: 19.419 min Scan# 3589
 Delta R.T. 0.000 min
 Lab File: BN025935.D
 Acq: 22 Jun 2023 13:46

Tgt Ion:202 Resp: 422655
 Ion Ratio Lower Upper
 202 100
 101 11.1 9.5 14.3
 100 8.2 7.3 10.9





#20

Pyrene

Concen: 2.872 ng/ul

RT: 19.782 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN025935.D

Acq: 22 Jun 2023 13:46

Instrument :

BNA_N

ClientSampleId :

DCFK7

Tgt Ion:202 Resp: 33865

Ion Ratio Lower Upper

202 100

101 12.2 11.4 17.0

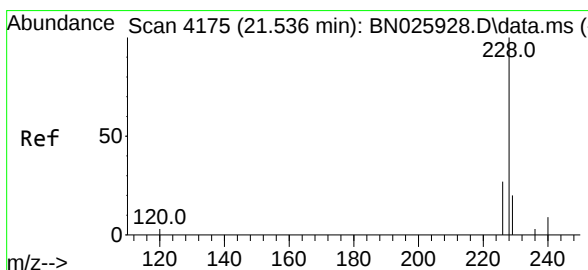
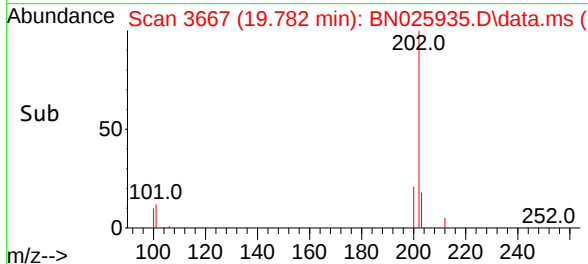
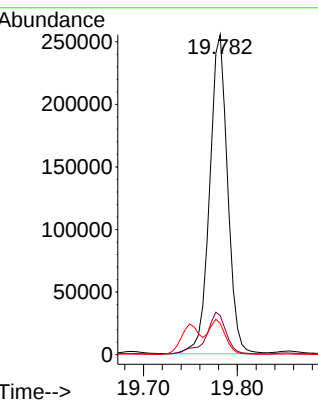
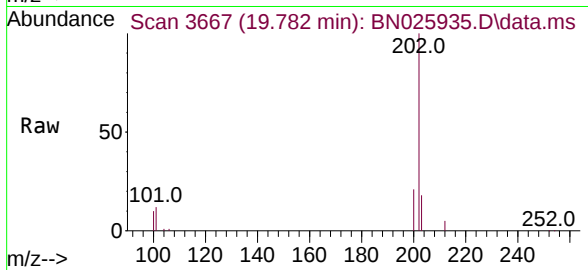
100 9.8 9.1 13.7

Manual Integrations

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Supervised By :mohammad ahmed 06/23/2023



#21

Benzo(a)anthracene

Concen: 1.984 ng/ul

RT: 21.532 min Scan# 4174

Delta R.T. 0.000 min

Lab File: BN025935.D

Acq: 22 Jun 2023 13:46

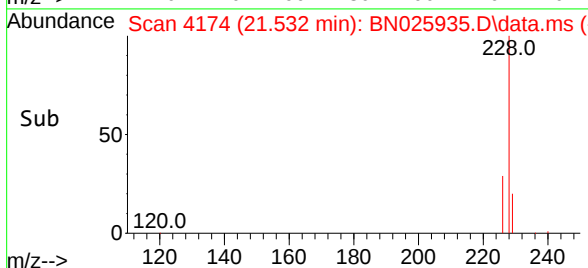
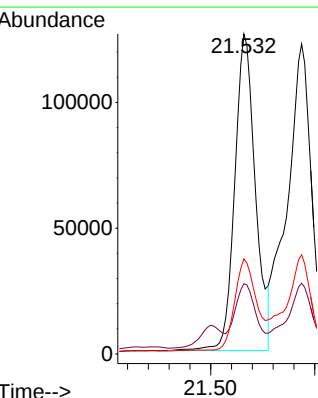
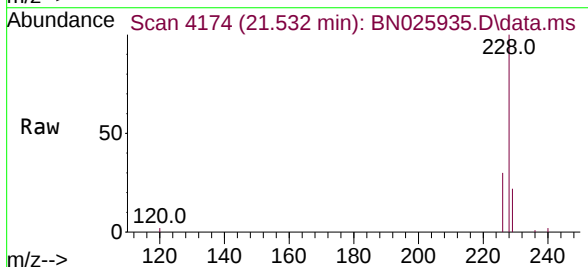
Tgt Ion:228 Resp: 173710

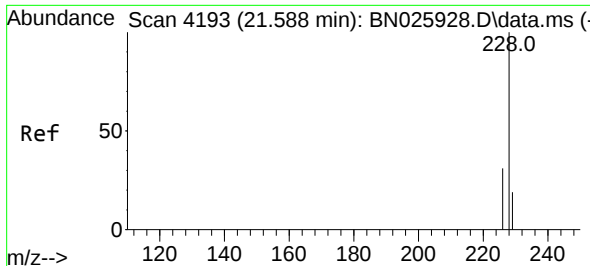
Ion Ratio Lower Upper

228 100

229 21.9 15.8 23.6

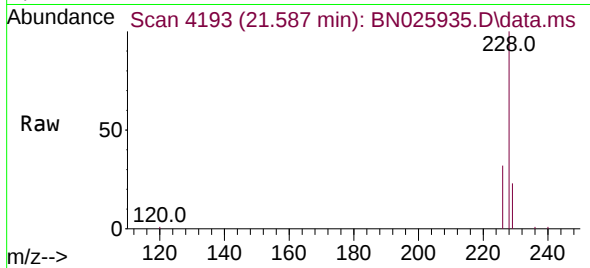
226 29.7 22.5 33.7





#22
Chrysene
Concen: 2.179 ng/ul
RT: 21.587 min Scan# 4193
Delta R.T. 0.003 min
Lab File: BN025935.D
Acq: 22 Jun 2023 13:46

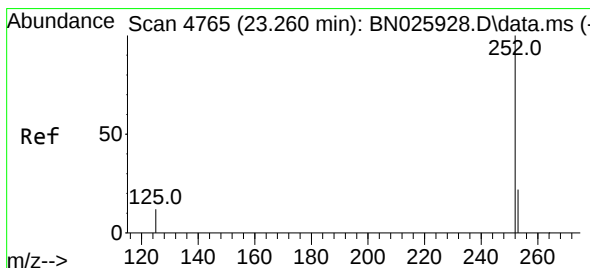
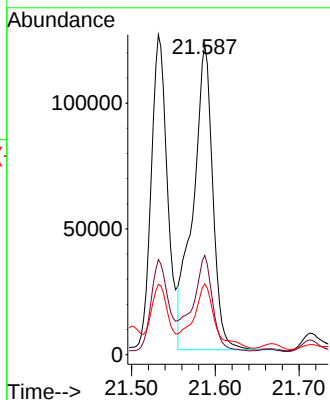
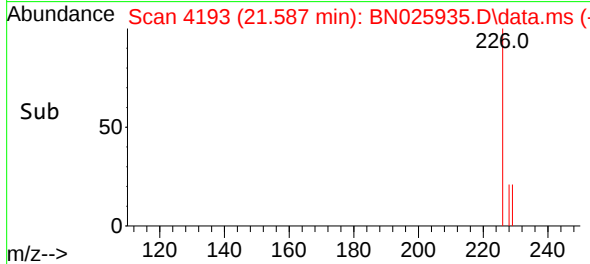
Instrument :
BNA_N
ClientSampleId :
DCFK7



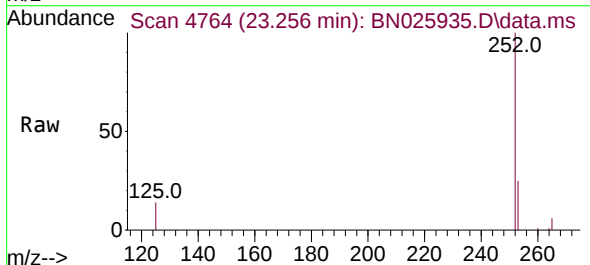
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Ion Ratio Lower Upper
228 100
226 32.0 24.8 37.2
229 22.8 15.7 23.5

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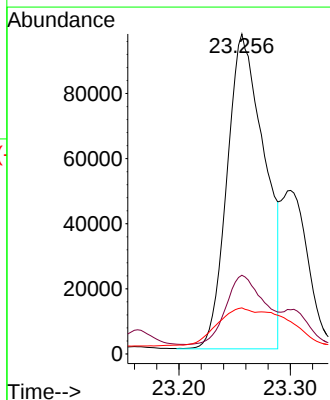
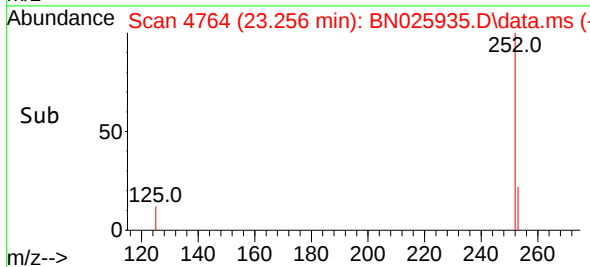
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

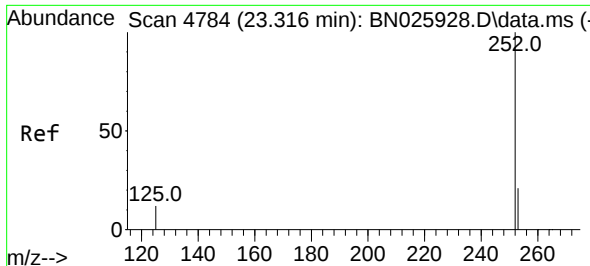


#24
Benzo(b)fluoranthene
Concen: 3.063 ng/ul m
RT: 23.256 min Scan# 4764
Delta R.T. 0.000 min
Lab File: BN025935.D
Acq: 22 Jun 2023 13:46



Tgt Ion:252 Resp: 226016
Ion Ratio Lower Upper
252 100
253 24.6 0.0 55.6
125 14.4 0.0 35.8





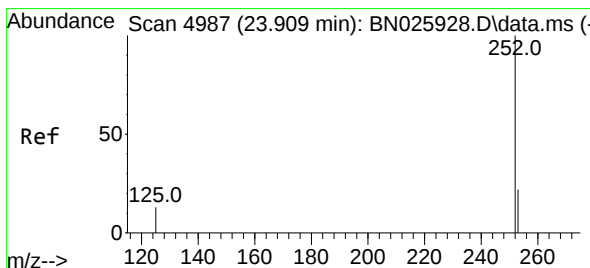
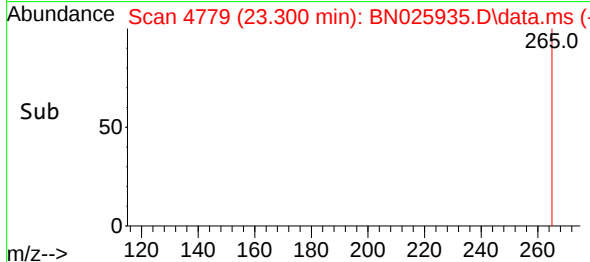
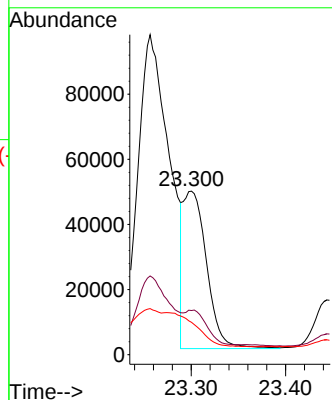
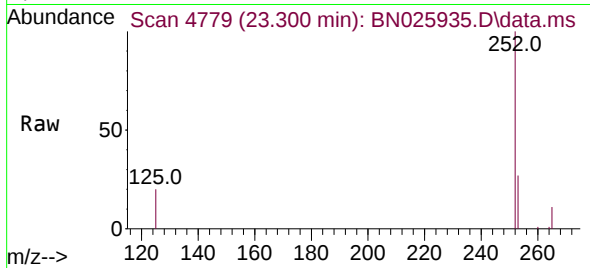
#25
Benzo(k)fluoranthene
Concen: 1.127 ng/ul m
RT: 23.300 min Scan# 4784
Delta R.T. -0.009 min
Lab File: BN025935.D
Acq: 22 Jun 2023 13:46

Instrument :
BNA_N
ClientSampleId :
DCFK7

Tgt Ion:252 Resp: 8352
Ion Ratio Lower Upper
252 100
253 27.0 23.2 34.8
125 19.8 15.0 22.4

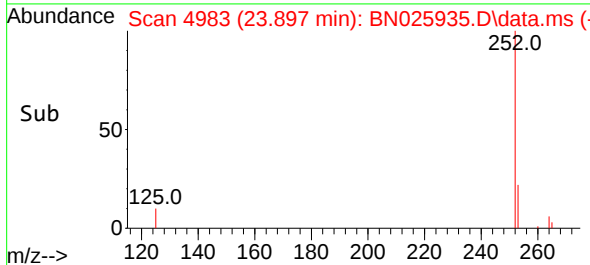
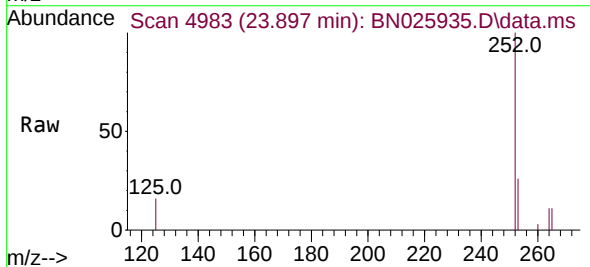
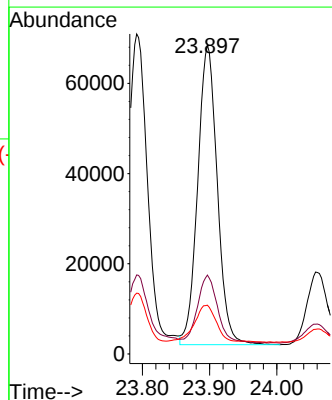
Manual Integrations
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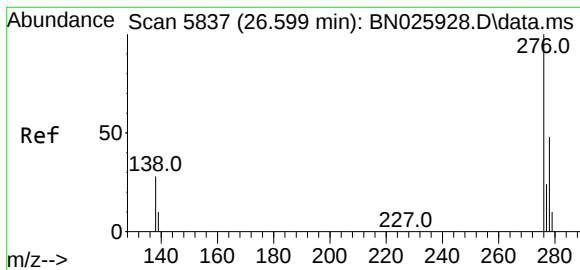
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#26
Benzo(a)pyrene
Concen: 2.101 ng/ul
RT: 23.897 min Scan# 4983
Delta R.T. -0.012 min
Lab File: BN025935.D
Acq: 22 Jun 2023 13:46

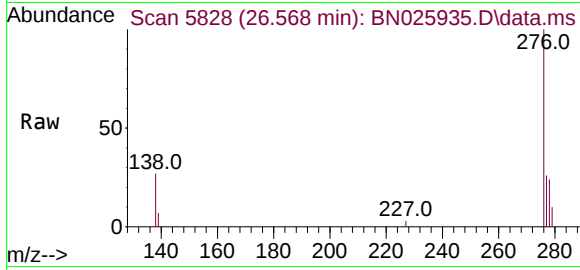
Tgt Ion:252 Resp: 134614
Ion Ratio Lower Upper
252 100
253 25.5 26.0 39.0#
125 15.8 17.3 25.9#





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.470 ng/ul
 RT: 26.568 min Scan# 5828
 Delta R.T. -0.027 min
 Lab File: BN025935.D
 Acq: 22 Jun 2023 13:46

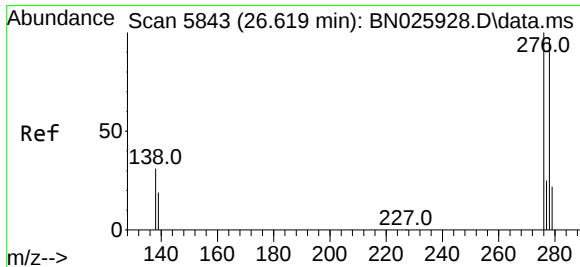
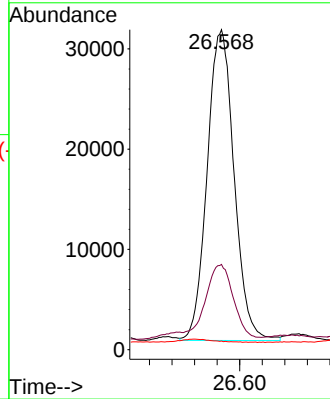
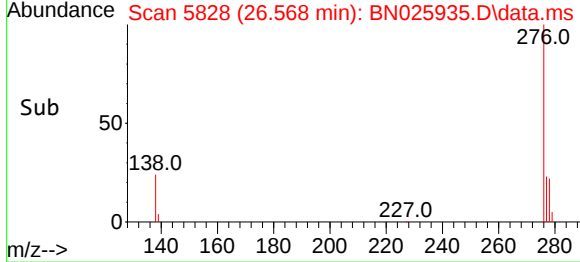
Instrument :
 BNA_N
 ClientSampleId :
 DCFK7



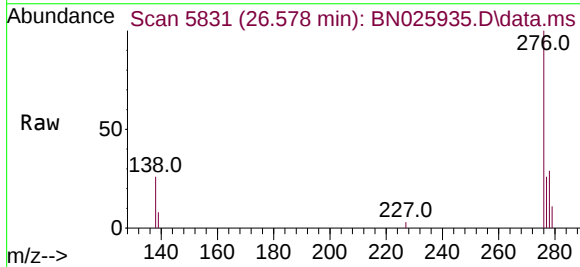
Tgt Ion:276 Resp: 102890
 Ion Ratio Lower Upper
 276 100
 138 24.4 24.5 36.7
 227 0.0 0.0 0.0

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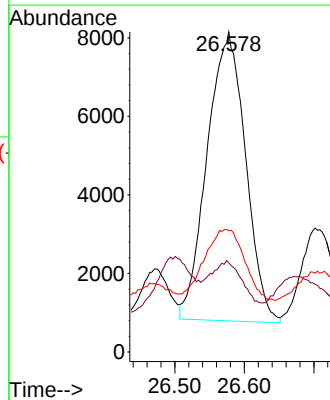
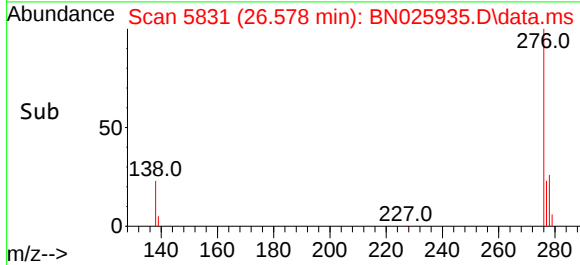
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

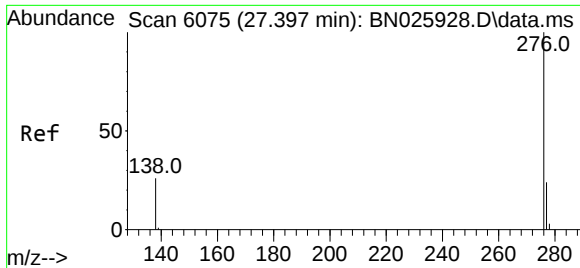


#28
 Dibenzo(a,h)anthracene
 Concen: 0.531 ng/ul
 RT: 26.578 min Scan# 5831
 Delta R.T. -0.044 min
 Lab File: BN025935.D
 Acq: 22 Jun 2023 13:46



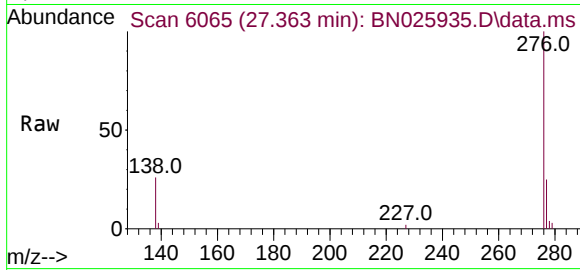
Tgt Ion:278 Resp: 28156
 Ion Ratio Lower Upper
 278 100
 139 27.8 19.0 28.4
 279 37.9 26.7 40.1





#29
 Benzo(g,h,i)perylene
 Concen: 1.982 ng/ul
 RT: 27.363 min Scan# 6075
 Delta R.T. -0.023 min
 Lab File: BN025935.D
 Acq: 22 Jun 2023 13:46

Instrument :
 BNA_N
 ClientSampleId :
 DCFK7



Tgt Ion:276 Resp: 123428
 Ion Ratio Lower Upper
 276 100
 138 26.4 23.4 35.0
 277 24.6 20.0 30.0

Manual Integrations
 APPROVED

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

