

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035621.D
 Acq On : 16 Dec 2024 17:37
 Operator : RC/JU
 Sample : P5232-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 16 21:55:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2274	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	6831	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	4849	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	10533	0.400	ng/ul	0.00
17) Chrysene-d12	20.959	240	8631	0.400	ng/ul	0.00
23) Perylene-d12	23.045	264	8406m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.951	96	4851	2.406	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	1635	0.168	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	4335	0.172	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.075	128	2663m	0.159	ng/ul	
7) 2-Methylnaphthalene	11.708	142	2127	0.189	ng/ul	99
8) 1-Methylnaphthalene	11.934	142	1615	0.138	ng/ul	98
10) Acenaphthylene	13.657	152	4015	0.214	ng/ul	97
11) Acenaphthene	14.009	153	447	0.031	ng/ul#	92
12) Fluorene	15.008	166	610	0.037	ng/ul#	85
14) Pentachlorophenol	16.375	266	94	0.035	ng/ul	98
15) Phenanthrene	16.755	178	19232	0.730	ng/ul	99
16) Anthracene	16.844	178	4235	0.172	ng/ul#	94
19) Fluoranthene	18.796	202	50312	1.630	ng/ul	98
20) Pyrene	19.163	202	43258	1.272	ng/ul	98
21) Benzo(a)anthracene	20.941	228	22853	0.798	ng/ul	96
22) Chrysene	20.994	228	26056	0.877	ng/ul	98
24) Benzo(b)fluoranthene	22.434	252	41136m	1.661	ng/ul	
25) Benzo(k)fluoranthene	22.472	252	16052m	0.586	ng/ul	
26) Benzo(a)pyrene	22.954	252	29667m	1.237	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.068	276	25022	0.857	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.084	278	5224m	0.234	ng/ul	
29) Benzo(g,h,i)perylene	25.681	276	25654	1.095	ng/ul#	93

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

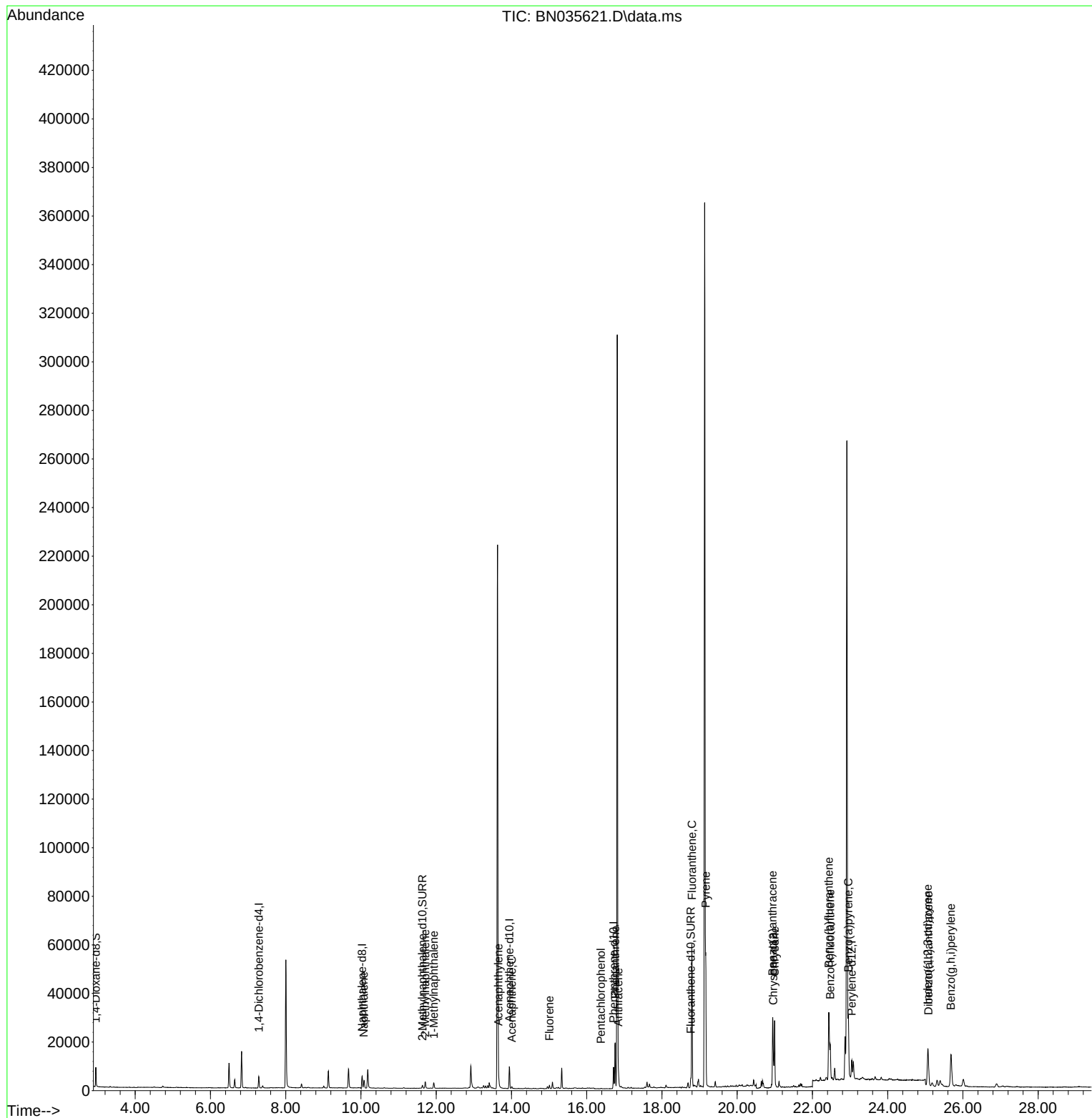
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035621.D
Acq On : 16 Dec 2024 17:37
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ALS Vial : 10 Sample Multiplier: 1

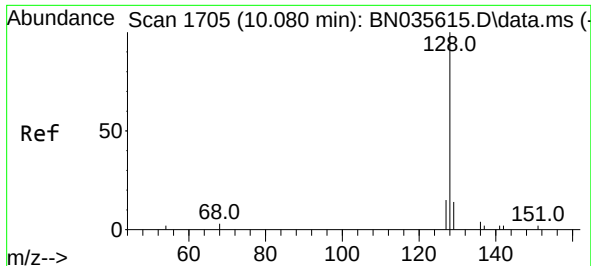
Instrument :
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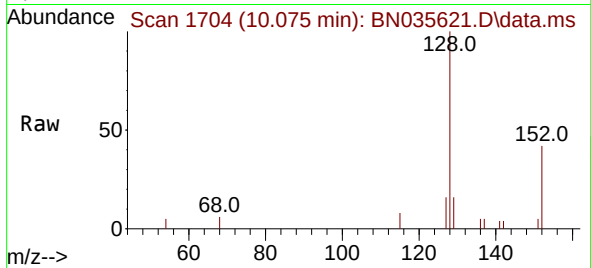
Quant Time: Dec 16 21:55:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.159 ng/ul m
RT: 10.075 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035621.D
Acq: 16 Dec 2024 17:37

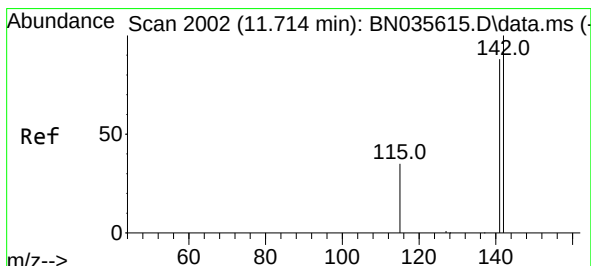
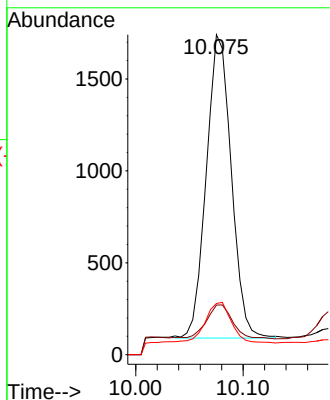
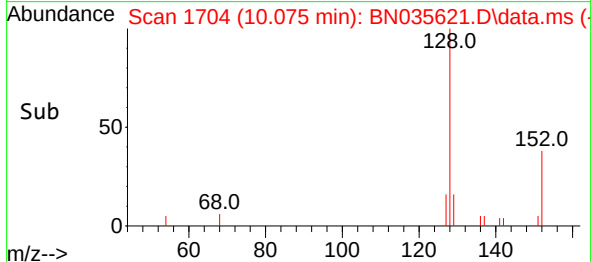
Instrument :
BNA_N
ClientSampleId :
E28S5



Tgt Ion:128 Resp: 266
Ion Ratio Lower Upper
128 100
129 15.5 10.8 16.2
127 16.0 12.0 18.0

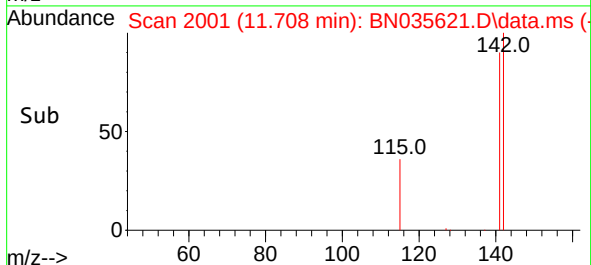
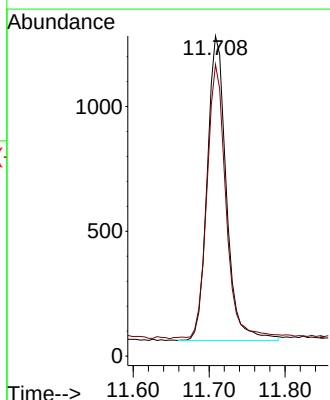
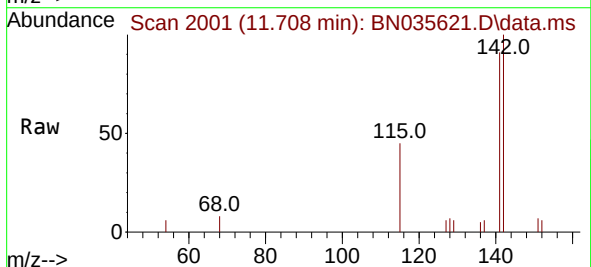
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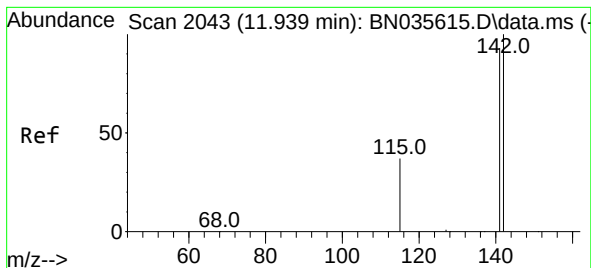
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#7
2-Methylnaphthalene
Concen: 0.189 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035621.D
Acq: 16 Dec 2024 17:37

Tgt Ion:142 Resp: 2127
Ion Ratio Lower Upper
142 100
141 90.2 72.8 109.2





#8

1-Methylnaphthalene

Concen: 0.138 ng/ul

RT: 11.934 min Scan# 2043

Delta R.T. -0.005 min

Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

Instrument :

BNA_N

ClientSampleId :

E28S5

Tgt Ion:142 Resp: 161

Ion Ratio Lower Upper

142 100

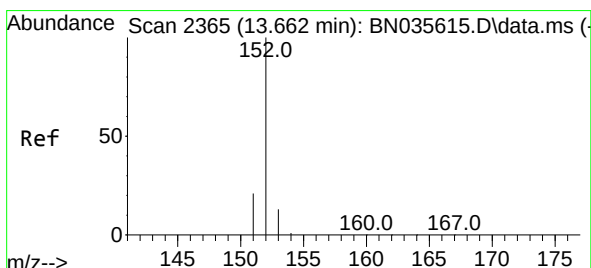
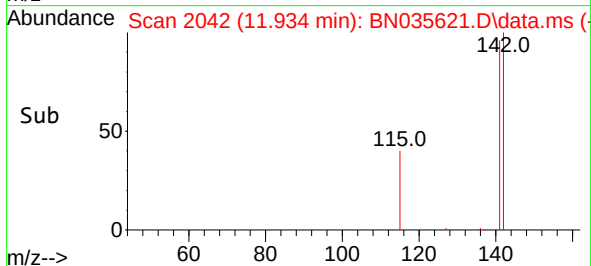
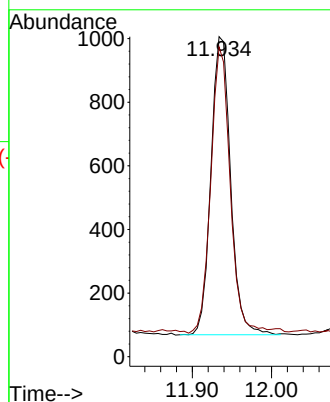
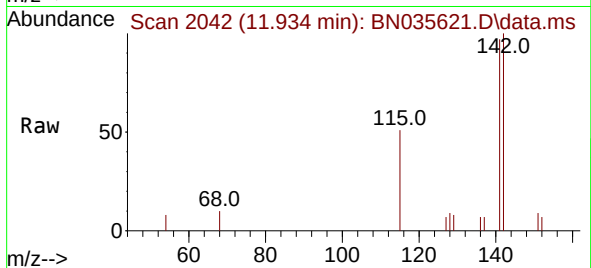
141 95.3 74.7 112.1

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#10

Acenaphthylene

Concen: 0.214 ng/ul

RT: 13.657 min Scan# 2364

Delta R.T. -0.004 min

Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

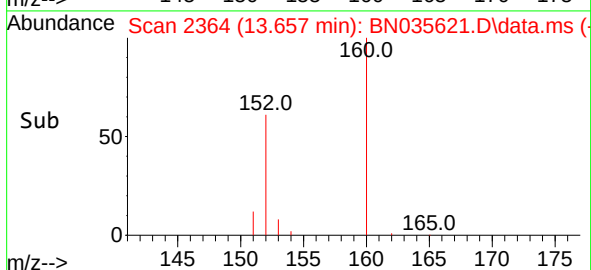
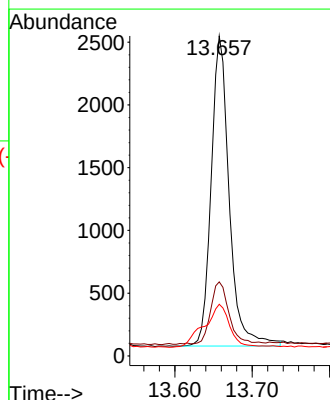
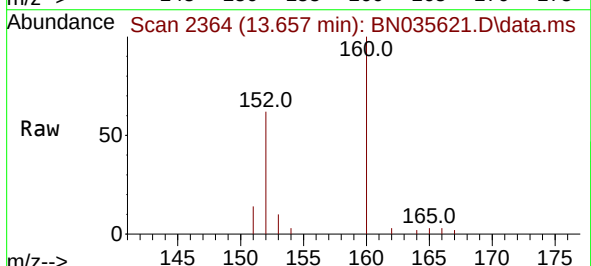
Tgt Ion:152 Resp: 4015

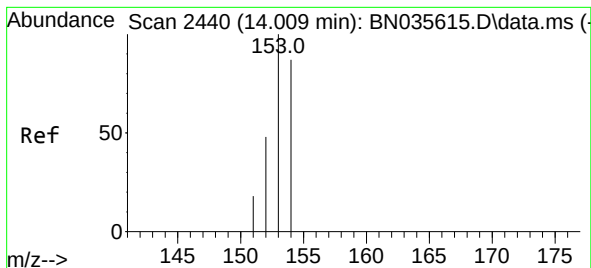
Ion Ratio Lower Upper

152 100

151 23.1 17.6 26.4

153 16.1 11.4 17.2





#11

Acenaphthene

Concen: 0.031 ng/u1

RT: 14.009 min Scan# 2440

Delta R.T. 0.000 min

Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

Instrument :

BNA_N

ClientSampleId :

E28S5

Tgt Ion:153 Resp: 44

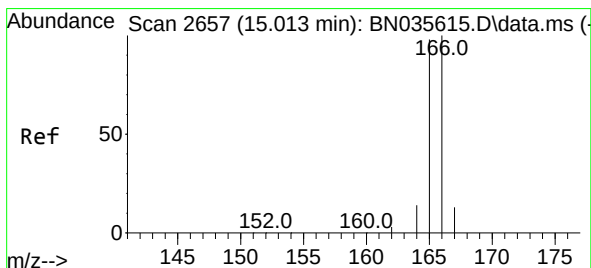
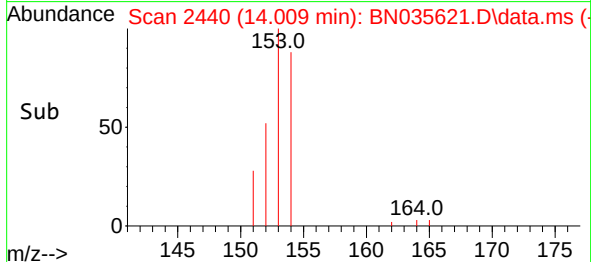
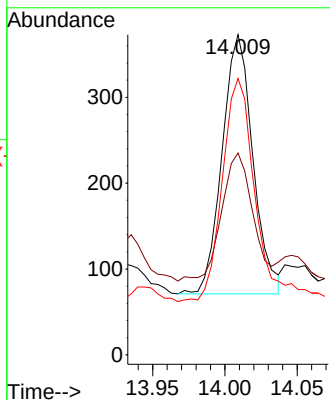
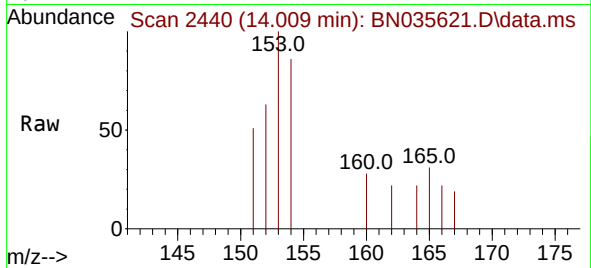
Ion	Ratio	Lower	Upper
153	100		
152	63.0	39.8	59.6
154	86.3	69.8	104.8

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#12

Fluorene

Concen: 0.037 ng/u1

RT: 15.008 min Scan# 2656

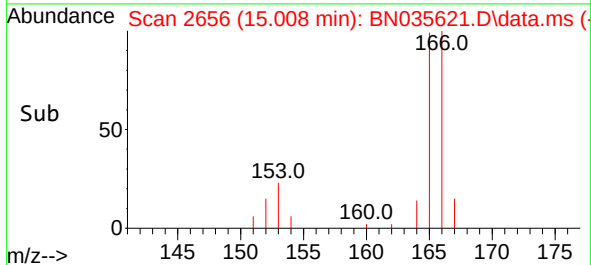
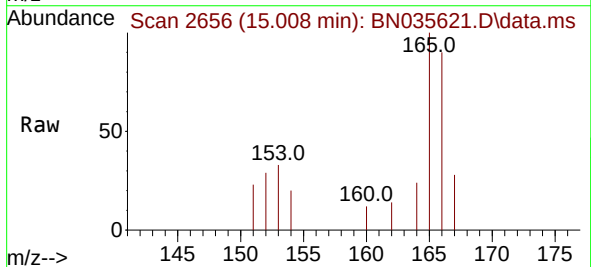
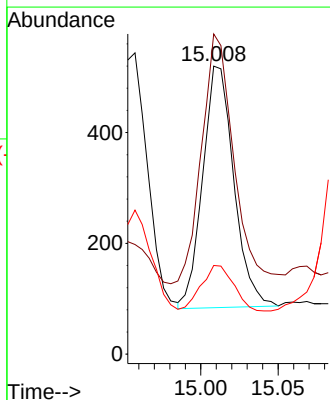
Delta R.T. -0.004 min

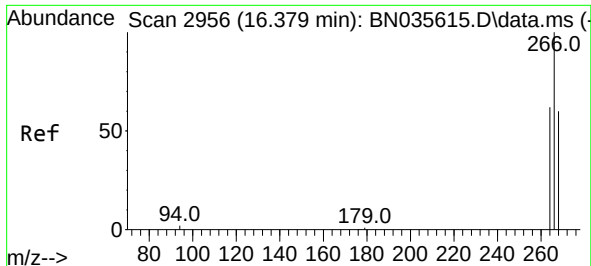
Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

Tgt Ion:166 Resp: 610

Ion	Ratio	Lower	Upper
166	100		
165	111.2	79.5	119.3
167	30.8	11.8	17.8





#14

Pentachlorophenol

Concen: 0.035 ng/ul

RT: 16.375 min Scan# 2956

Delta R.T. -0.004 min

Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

Instrument :

BNA_N

ClientSampleId :

E28S5

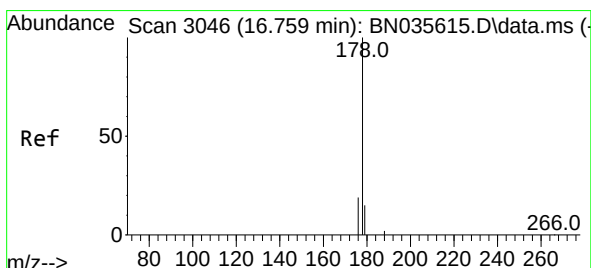
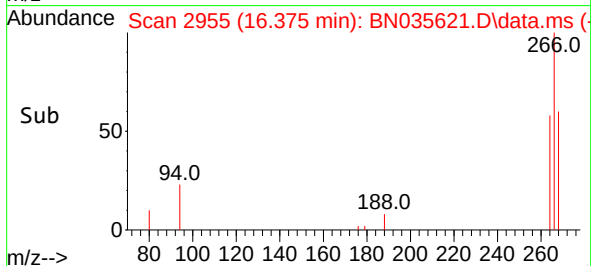
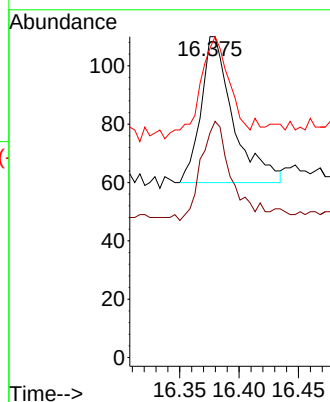
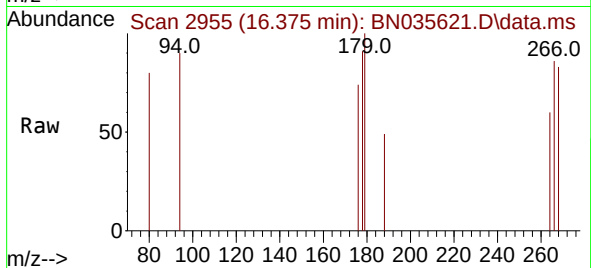
Tgt Ion:	266	Resp:	94
Ion Ratio	Lower	Upper	
266	100		
264	59.6	49.9	74.9
268	64.9	52.8	79.2

Manual Integrations

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#15

Phenanthrene

Concen: 0.730 ng/ul

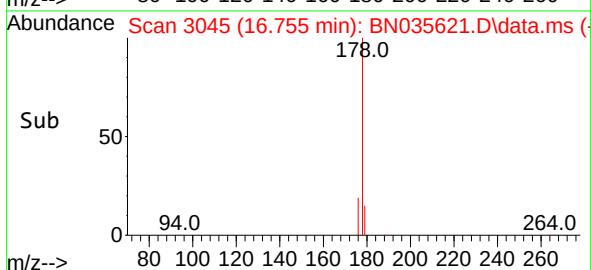
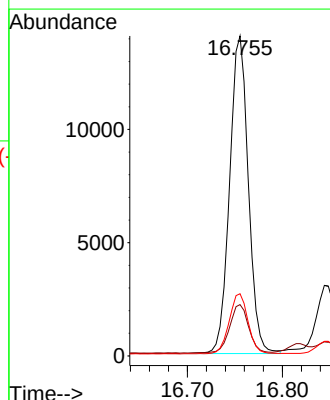
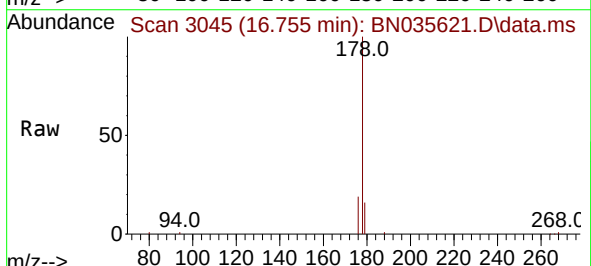
RT: 16.755 min Scan# 3045

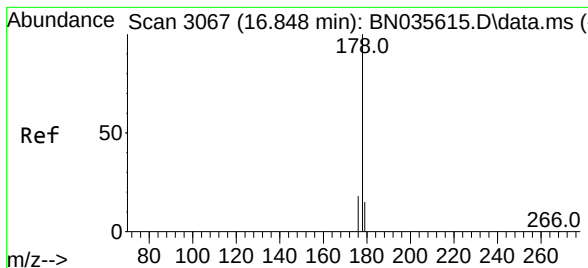
Delta R.T. -0.004 min

Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

Tgt Ion:	178	Resp:	19232
Ion Ratio	Lower	Upper	
178	100		
179	16.1	13.3	19.9
176	19.5	15.8	23.8





#16

Anthracene

Concen: 0.172 ng/ul

RT: 16.844 min Scan# 3067

Delta R.T. -0.004 min

Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

Instrument :

BNA_N

ClientSampleId :

E28S5

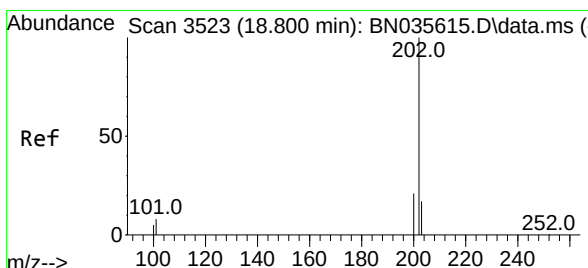
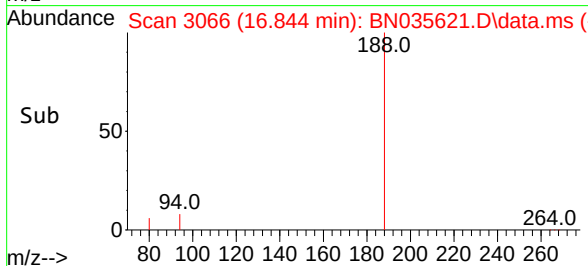
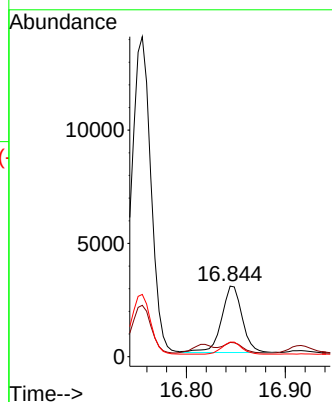
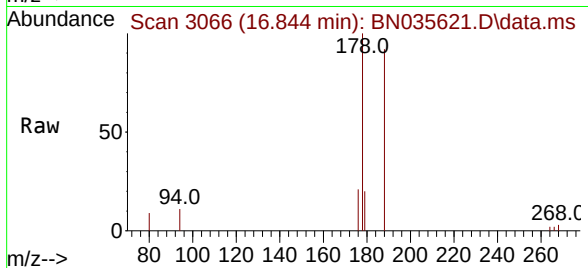
Tgt Ion:178	Resp:	4235
Ion Ratio	Lower	Upper
178	100	
179	20.3	13.4 20.0
176	20.7	15.4 23.0

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#19

Fluoranthene

Concen: 1.630 ng/ul

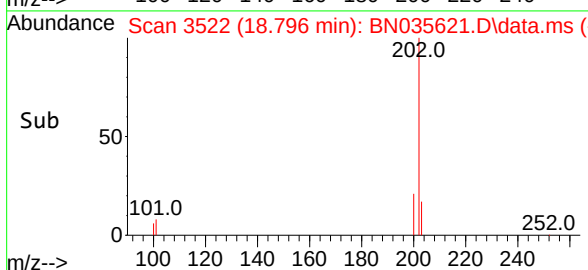
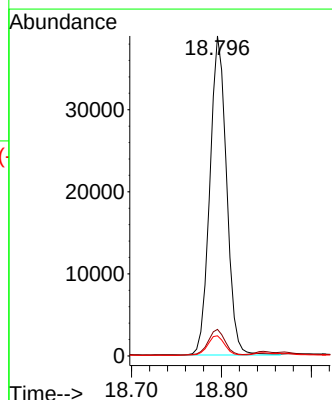
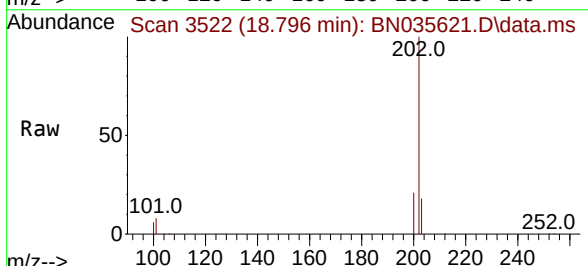
RT: 18.796 min Scan# 3522

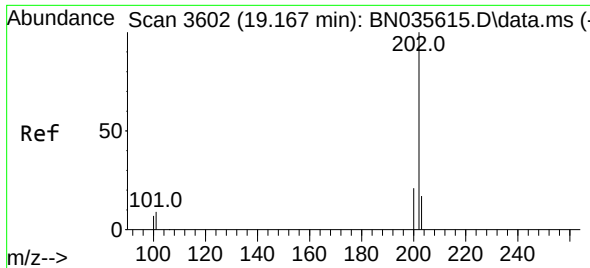
Delta R.T. -0.004 min

Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

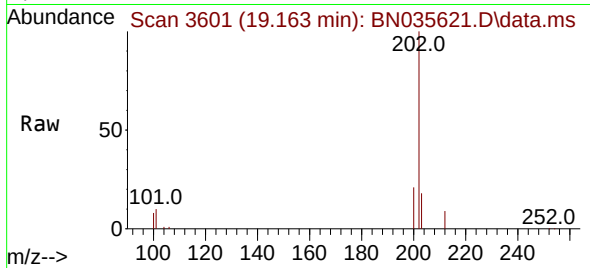
Tgt Ion:202	Resp:	50312
Ion Ratio	Lower	Upper
202	100	
101	8.3	7.3 10.9
100	6.3	5.4 8.0





#20
Pyrene
Concen: 1.272 ng/ul
RT: 19.163 min Scan# 30
Delta R.T. -0.004 min
Lab File: BN035621.D
Acq: 16 Dec 2024 17:37

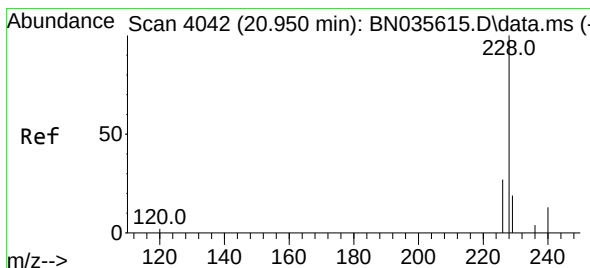
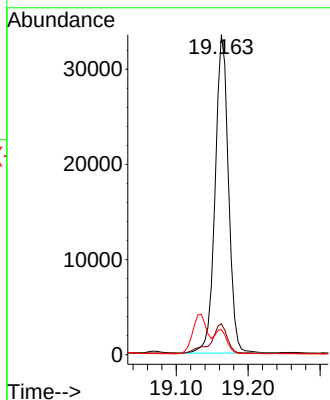
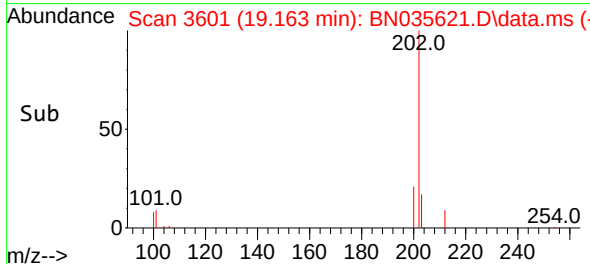
Instrument :
BNA_N
ClientSampleId :
E28S5



Tgt Ion:202 Resp: 43258
Ion Ratio Lower Upper
202 100
101 9.7 8.5 12.7
100 7.8 6.5 9.7

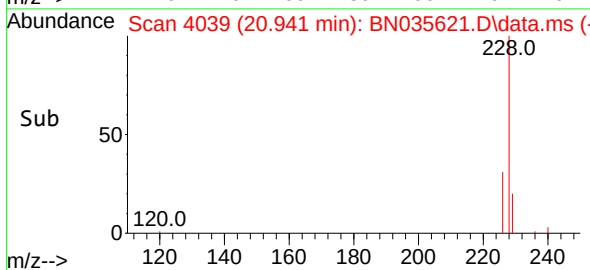
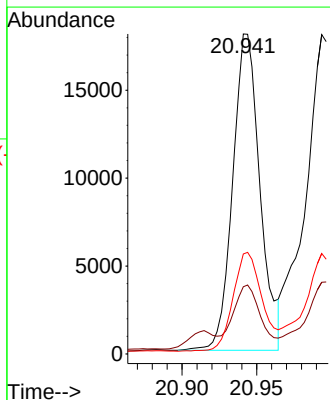
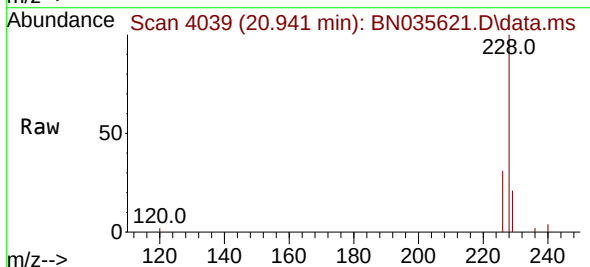
Manual Integrations
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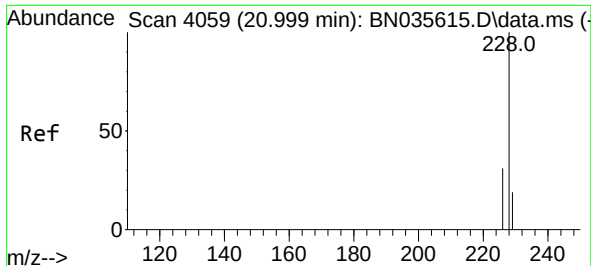
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#21
Benzo(a)anthracene
Concen: 0.798 ng/ul
RT: 20.941 min Scan# 4039
Delta R.T. -0.009 min
Lab File: BN035621.D
Acq: 16 Dec 2024 17:37

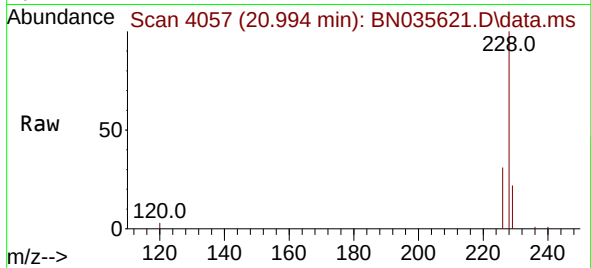
Tgt Ion:228 Resp: 22853
Ion Ratio Lower Upper
228 100
229 21.0 16.6 25.0
226 31.3 22.5 33.7





#22
Chrysene
Concen: 0.877 ng/ul
RT: 20.994 min Scan# 4057
Delta R.T. -0.006 min
Lab File: BN035621.D
Acq: 16 Dec 2024 17:37

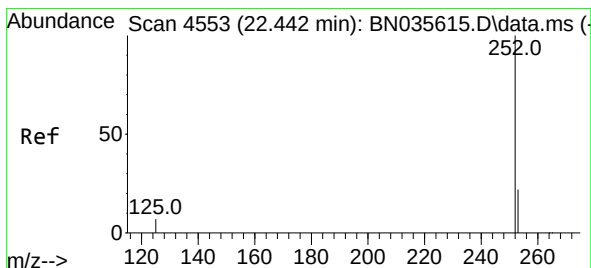
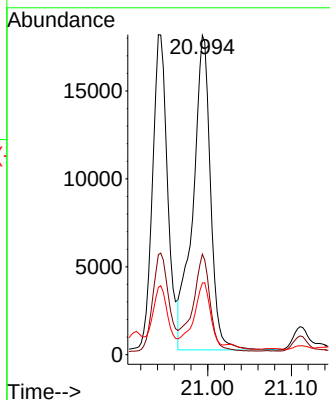
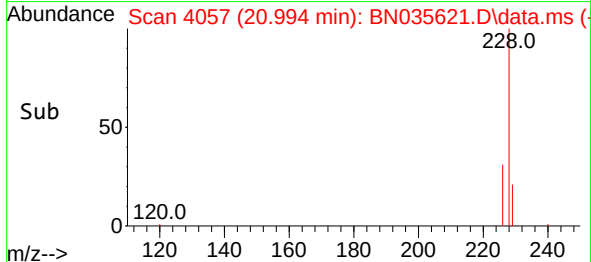
Instrument :
BNA_N
ClientSampleId :
E28S5



Tgt Ion:228 Resp: 26050
Ion Ratio Lower Upper
228 100
226 31.4 25.1 37.7
229 22.4 16.6 24.8

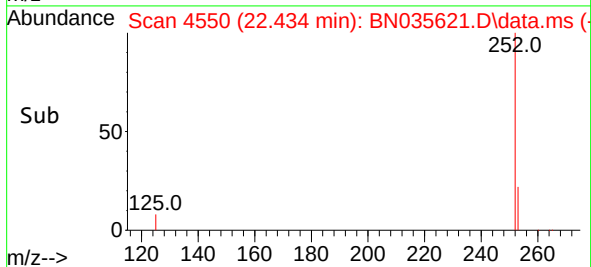
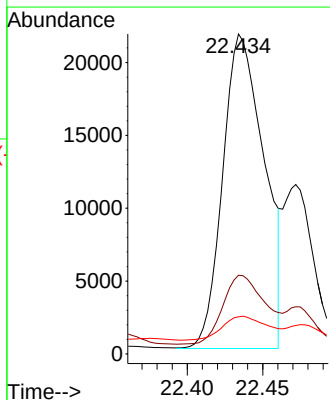
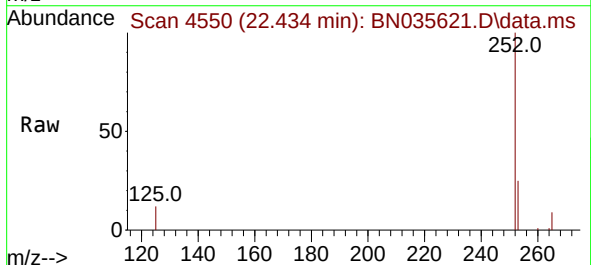
Manual Integrations
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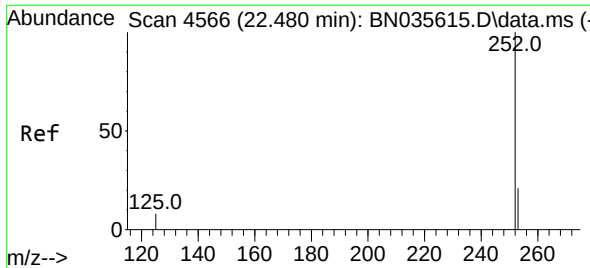
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#24
Benzo(b)fluoranthene
Concen: 1.661 ng/ul m
RT: 22.434 min Scan# 4550
Delta R.T. -0.009 min
Lab File: BN035621.D
Acq: 16 Dec 2024 17:37

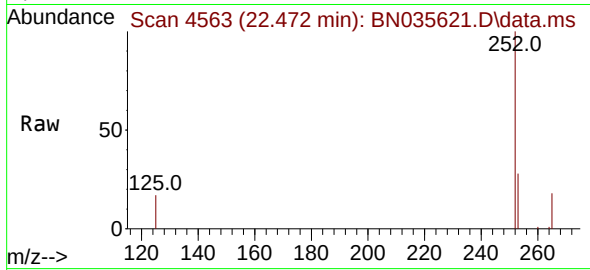
Tgt Ion:252 Resp: 41136
Ion Ratio Lower Upper
252 100
253 24.6 0.0 56.4
125 11.6 0.0 37.6





#25
Benzo(k)fluoranthene
Concen: 0.586 ng/ul m
RT: 22.472 min Scan# 4563
Delta R.T. -0.009 min
Lab File: BN035621.D
Acq: 16 Dec 2024 17:37

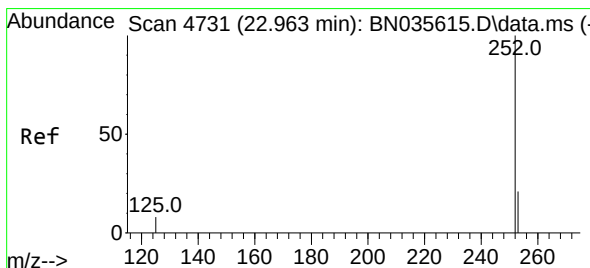
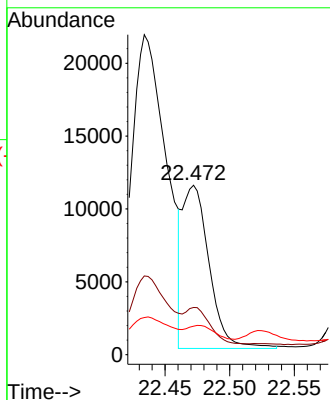
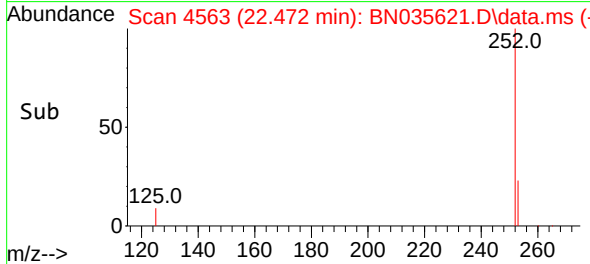
Instrument :
BNA_N
ClientSampleId :
E28S5



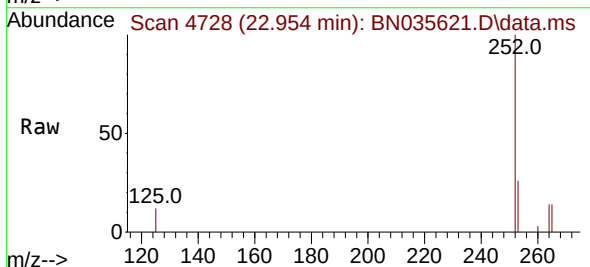
Tgt Ion:252 Resp: 16052
Ion Ratio Lower Upper
252 100
253 27.8 22.1 33.1
125 16.8 15.3 22.9

Manual Integrations
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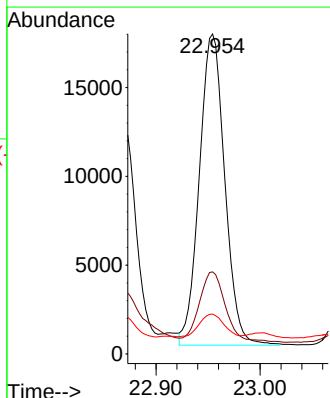
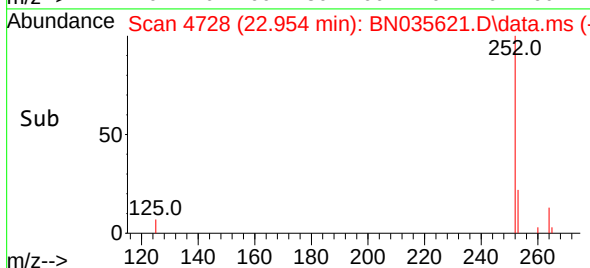
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

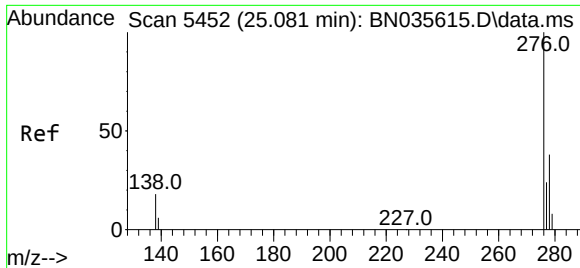


#26
Benzo(a)pyrene
Concen: 1.237 ng/ul m
RT: 22.954 min Scan# 4728
Delta R.T. -0.009 min
Lab File: BN035621.D
Acq: 16 Dec 2024 17:37



Tgt Ion:252 Resp: 29667
Ion Ratio Lower Upper
252 100
253 25.7 24.1 36.1
125 12.4 19.1 28.7#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.857 ng/ul

RT: 25.068 min Scan# 5448

Delta R.T. -0.013 min

Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

Instrument :

BNA_N

ClientSampleId :

E28S5

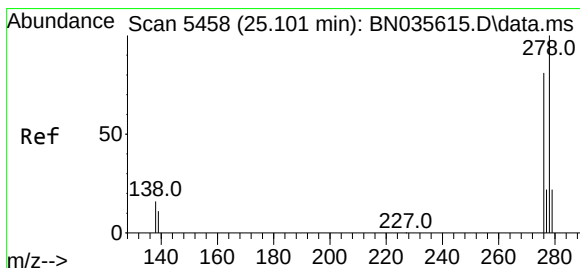
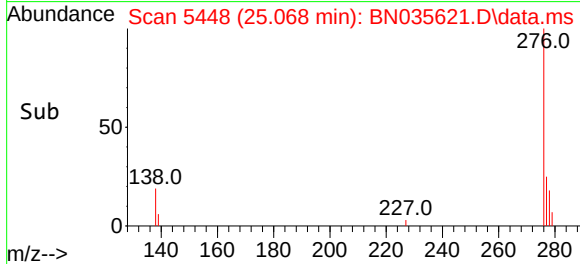
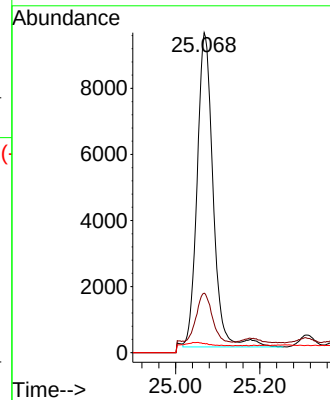
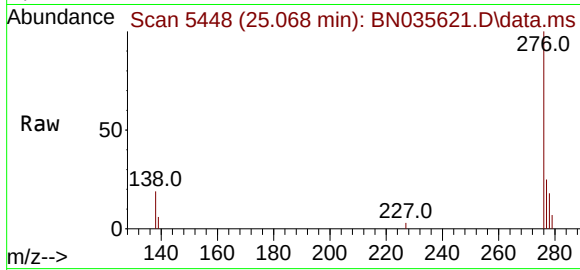
Tgt Ion:	276	Resp:	2502
Ion Ratio	Lower	Upper	
276	100		
138	17.7	14.7	22.1
227	14.4	21.6	32.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/21/2024



#28

Dibenzo(a,h)anthracene

Concen: 0.234 ng/ul m

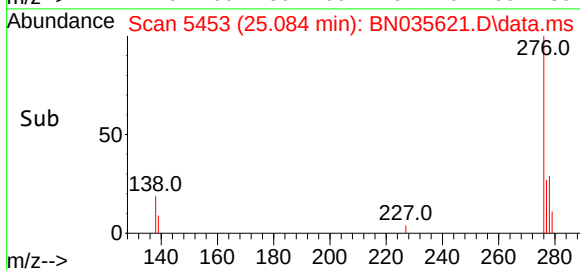
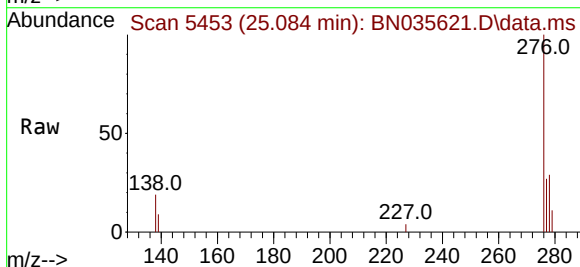
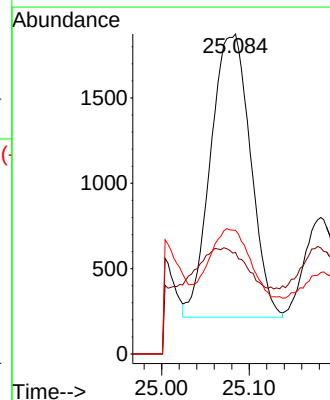
RT: 25.084 min Scan# 5453

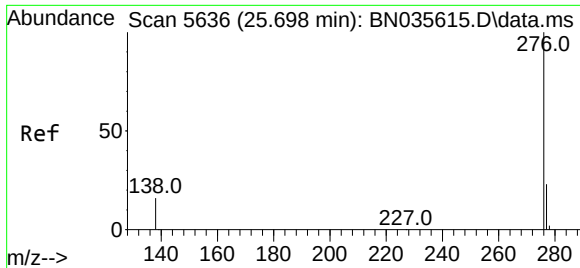
Delta R.T. -0.017 min

Lab File: BN035621.D

Acq: 16 Dec 2024 17:37

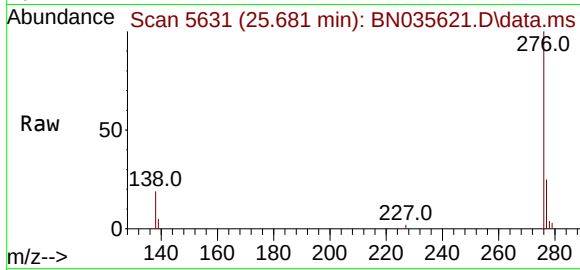
Tgt Ion:	278	Resp:	5224
Ion Ratio	Lower	Upper	
278	100		
139	31.7	19.8	29.8#
279	38.7	24.0	36.0#





#29
Benzo(g,h,i)perylene
Concen: 1.095 ng/ul
RT: 25.681 min Scan# 50
Delta R.T. -0.017 min
Lab File: BN035621.D
Acq: 16 Dec 2024 17:37

Instrument :
BNA_N
ClientSampleId :
E28S5



Tgt Ion:	276	Resp:	25654
Ion	Ratio	Lower	Upper
276	100		
138	19.3	19.6	29.4
277	25.0	21.6	32.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

