

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112624\
 Data File : BN035340.D
 Acq On : 27 Nov 2024 06:54
 Operator : RC/JU
 Sample : P4895-05MSD
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E2A12MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/27/2024
 Supervised By :mohammad ahmed 11/28/2024

Quant Time: Nov 27 07:19:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 06:09:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.309	152	3758	0.400	ng/ul	0.00
4) Naphthalene-d8	10.058	136	9492	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.967	164	5321	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.734	188	10741	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.973	240	9453	0.400	ng/ul	# 0.00
23) Perylene-d12	23.065	264	10606	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.976	96	1108	0.323	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.659	152	2817	0.203	ng/ul	0.00
18) Fluoranthene-d10	18.781	212	6609	0.253	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.005	88	3237	0.868	ng/ul	93
5) Naphthalene	10.102	128	5113	0.214	ng/ul	100
7) 2-Methylnaphthalene	11.736	142	3423	0.206	ng/ul	98
8) 1-Methylnaphthalene	11.961	142	3470	0.207	ng/ul	99
10) Acenaphthylene	13.680	152	6896	0.327	ng/ul	98
11) Acenaphthene	14.032	153	3861	0.239	ng/ul	98
12) Fluorene	15.031	166	4499	0.237	ng/ul	99
14) Pentachlorophenol	16.392	266	238	0.095	ng/ul	93
15) Phenanthrene	16.772	178	14246	0.502	ng/ul	99
16) Anthracene	16.865	178	7935	0.301	ng/ul	99
19) Fluoranthene	18.814	202	35696	1.085	ng/ul#	95
20) Pyrene	19.181	202	31680	0.925	ng/ul#	93
21) Benzo(a)anthracene	20.955	228	20198	0.616	ng/ul	97
22) Chrysene	21.008	228	21184	0.642	ng/ul	99
24) Benzo(b)fluoranthene	22.451	252	26024	0.742	ng/ul	95
25) Benzo(k)fluoranthene	22.492	252	15925m	0.441	ng/ul	
26) Benzo(a)pyrene	22.975	252	19467	0.608	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.104	276	20310	0.469	ng/ul#	82
28) Dibenzo(a,h)anthracene	25.121	278	10179m	0.300	ng/ul	
29) Benzo(g,h,i)perylene	25.721	276	17388	0.510	ng/ul#	94

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

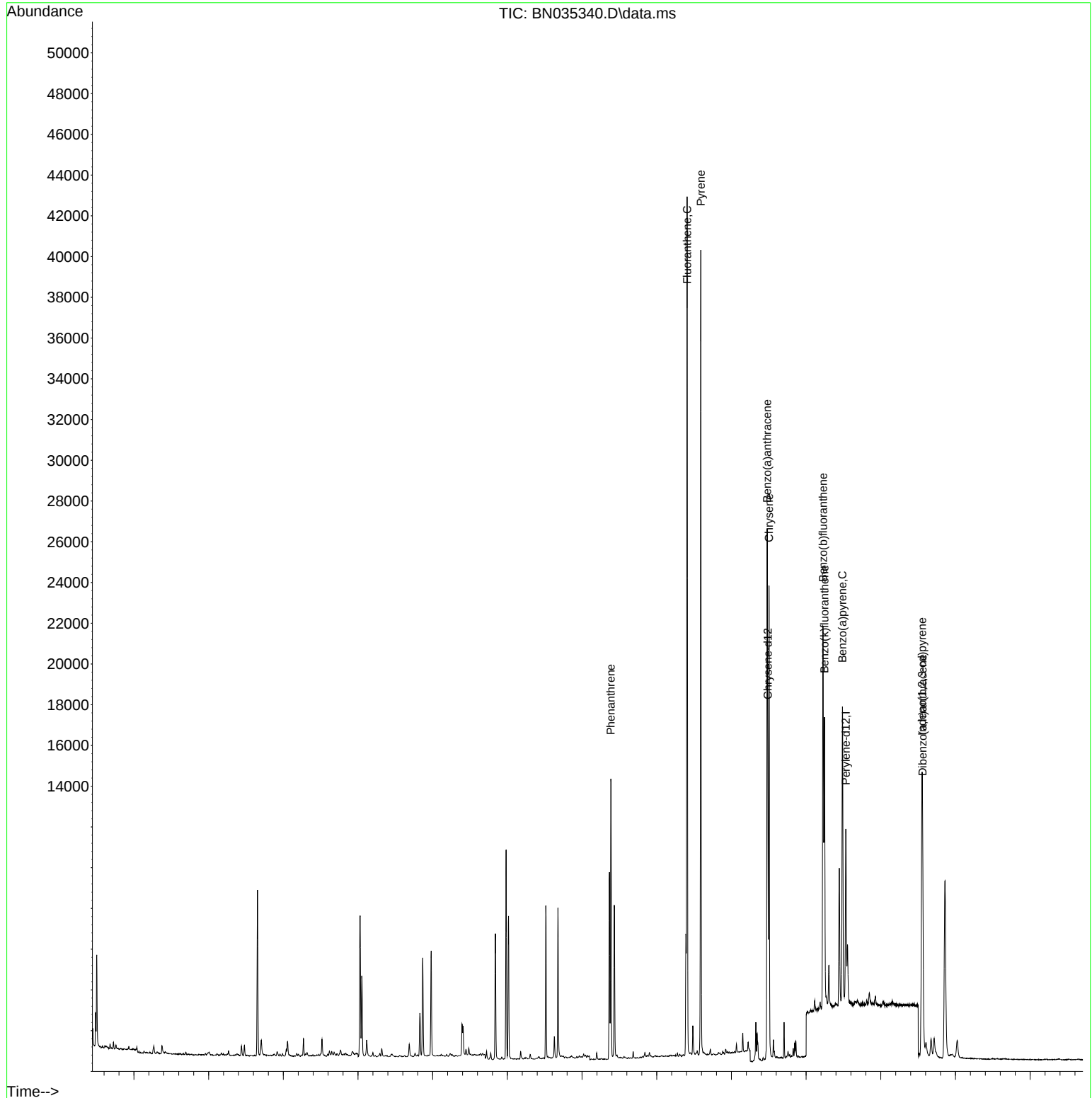
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112624\
Data File : BN035340.D
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ALS Vial : 40 Sample Multiplier: 1

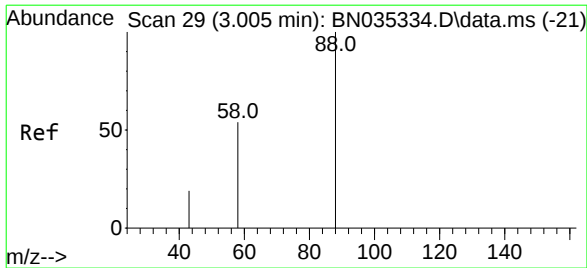
Instrument :
BNA_N
ClientSampleId :
E2A12MSD

Quant Time: Nov 27 07:19:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 06:09:15 2024
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Supervised By :mohammad ahmed 11/28/2024





#2

1,4-Dioxane

Concen: 0.868 ng/u1

RT: 3.005 min Scan# 29

Delta R.T. -0.000 min

Lab File: BN035340.D

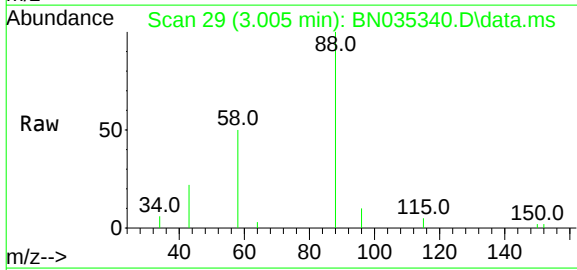
Acq: 27 Nov 2024 06:54

Instrument :

BNA_N

ClientSampleId :

E2A12MSD

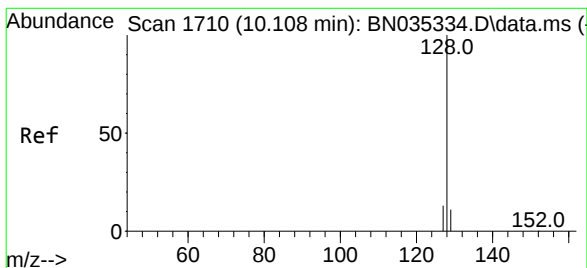
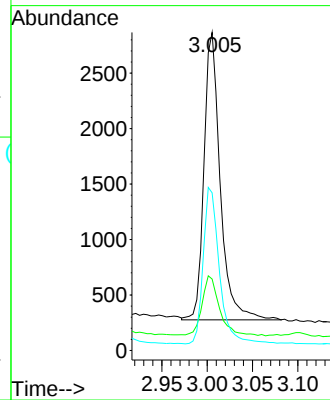
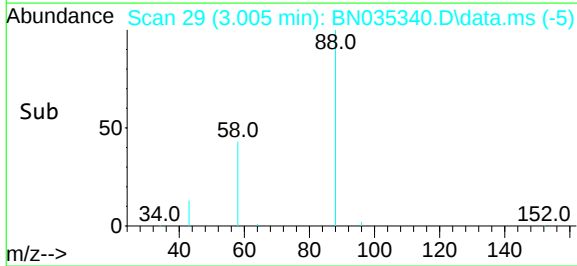


Tgt Ion:	88	Resp:	3237
Ion	Ratio	Lower	Upper
88	100		
43	22.5	20.6	31.0
58	49.6	36.2	54.4

Manual Integrations

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Supervised By :mohammad ahmed 11/28/2024



#5

Naphthalene

Concen: 0.214 ng/u1

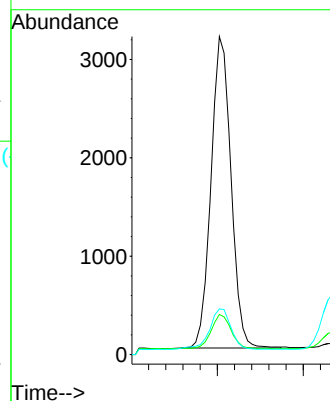
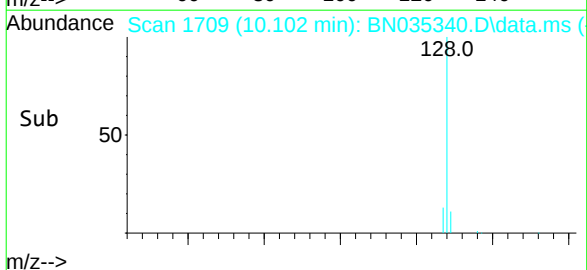
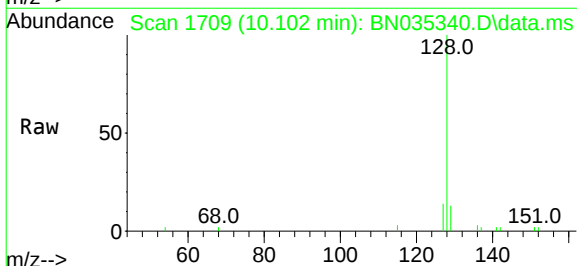
RT: 10.102 min Scan# 1709

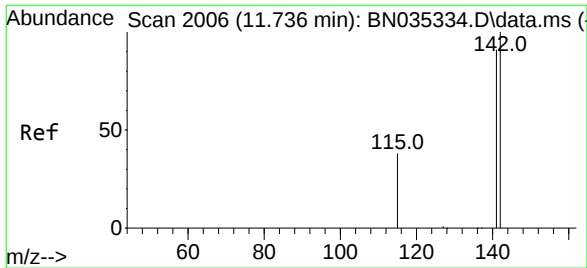
Delta R.T. -0.006 min

Lab File: BN035340.D

Acq: 27 Nov 2024 06:54

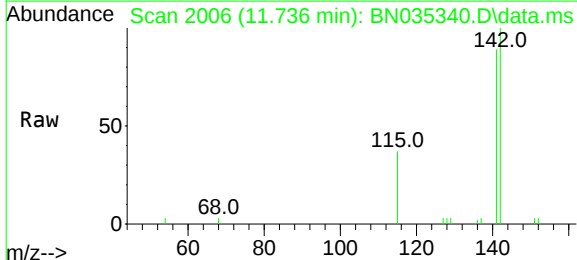
Tgt Ion:	128	Resp:	5113
Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.9	14.9
127	14.4	11.4	17.2





#7
2-Methylnaphthalene
Concen: 0.206 ng/ul
RT: 11.736 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

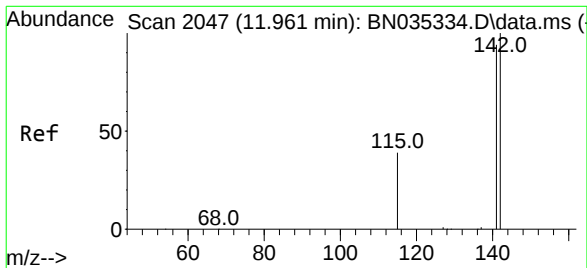
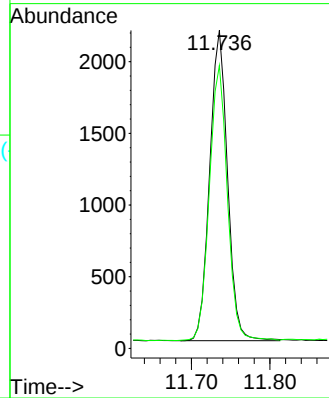
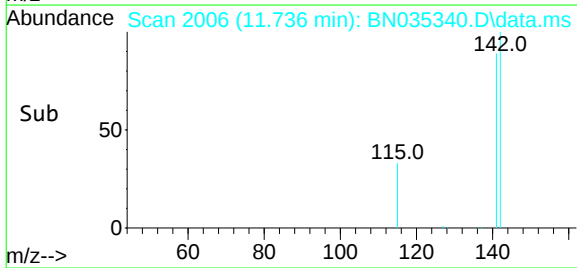
Instrument :
BNA_N
ClientSampleId :
E2A12MSD



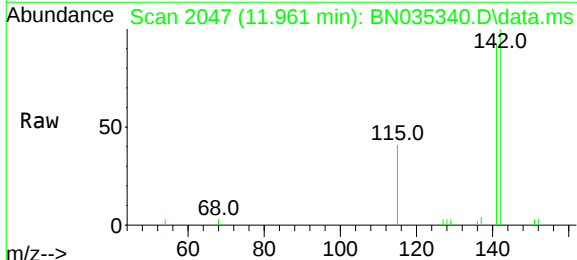
Tgt Ion:142 Resp: 3423
Ion Ratio Lower Upper
142 100
141 89.6 70.4 105.6

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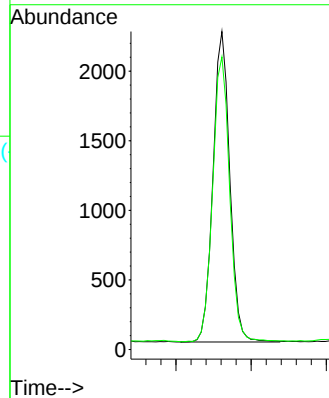
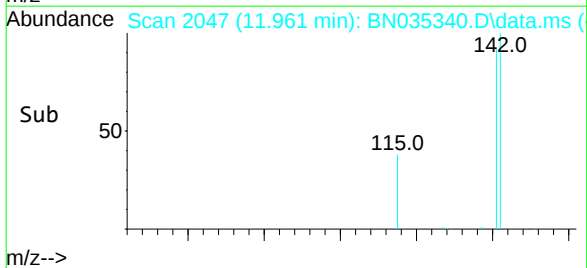
Reviewed By :Jagrut Upadhyay 11/27/2024
Supervised By :mohammad ahmed 11/28/2024

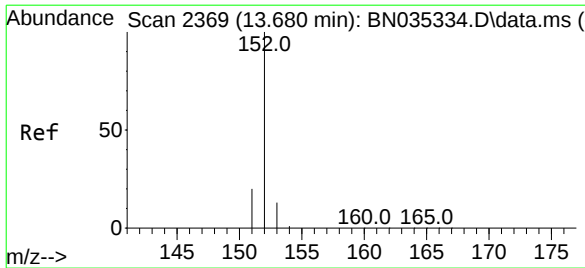


#8
1-Methylnaphthalene
Concen: 0.207 ng/ul
RT: 11.961 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54



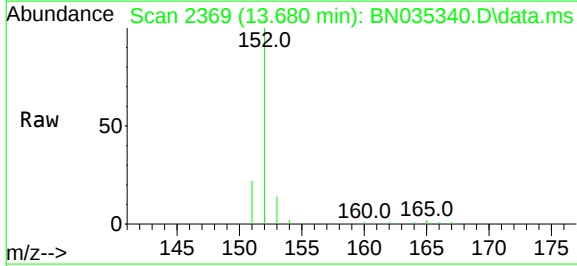
Tgt Ion:142 Resp: 3470
Ion Ratio Lower Upper
142 100
141 92.7 73.1 109.7





#10
Acenaphthylene
Concen: 0.327 ng/u1
RT: 13.680 min Scan# 2369
Delta R.T. -0.005 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

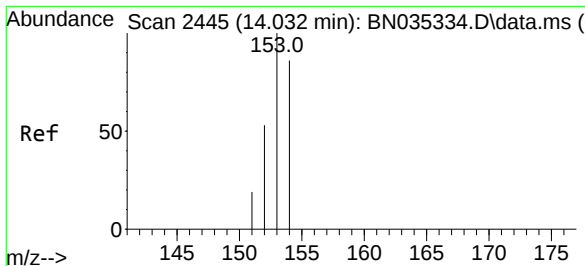
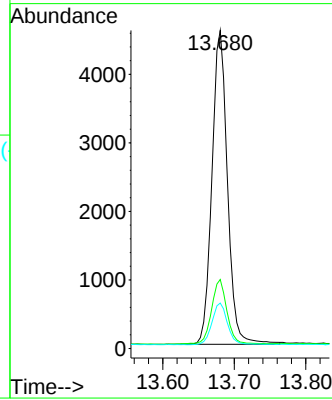
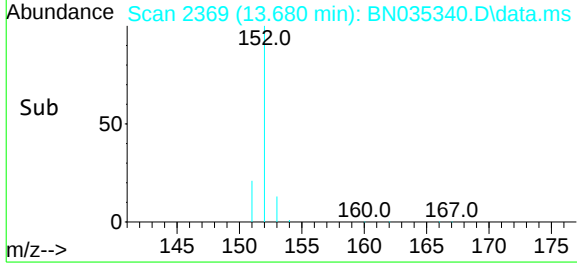
Instrument :
BNA_N
ClientSampleId :
E2A12MSD



Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.4	24.6
153	14.3	11.1	16.7

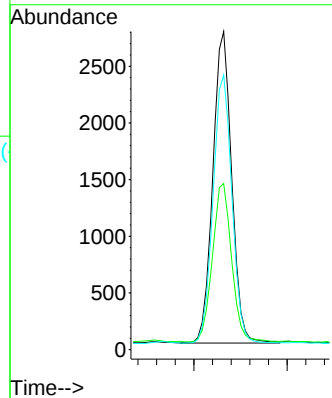
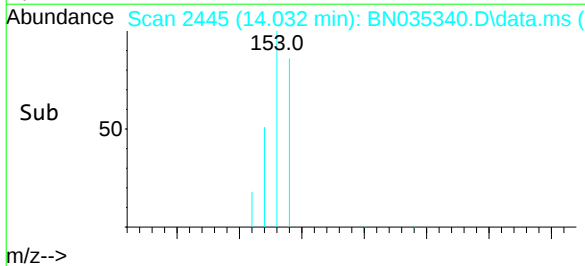
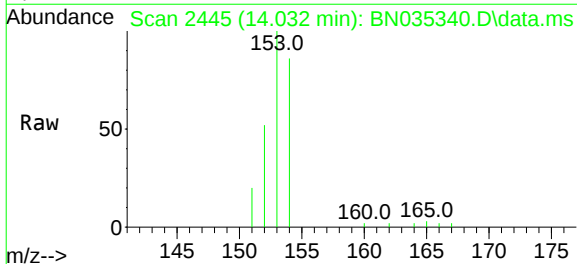
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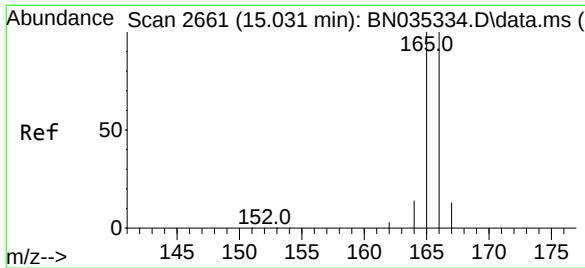
Reviewed By :Jagrut Upadhyay 11/27/2024
Supervised By :mohammad ahmed 11/28/2024



#11
Acenaphthene
Concen: 0.239 ng/u1
RT: 14.032 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

Tgt Ion	Ratio	Lower	Upper
153	100		
152	52.2	41.4	62.0
154	86.3	71.2	106.8





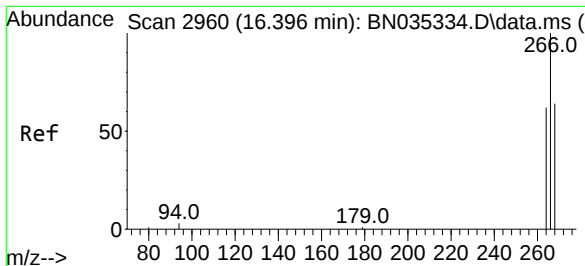
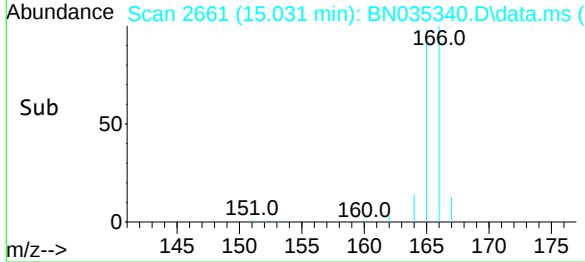
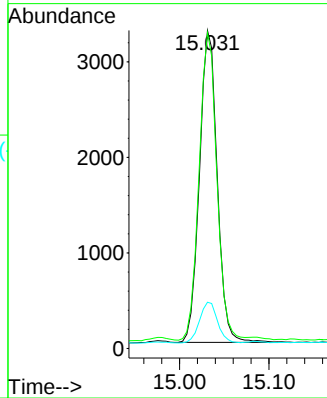
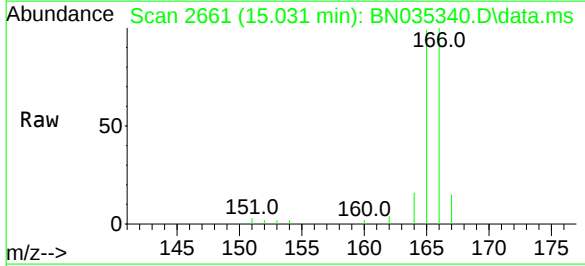
#12
Fluorene
Concen: 0.237 ng/u1
RT: 15.031 min Scan# 2661
Delta R.T. -0.005 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

Instrument :
BNA_N
ClientSampleId :
E2A12MSD

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.6	118.0
167	14.5	11.8	17.6

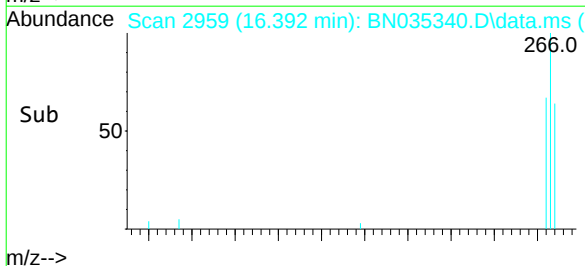
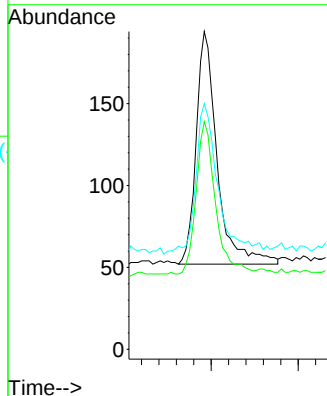
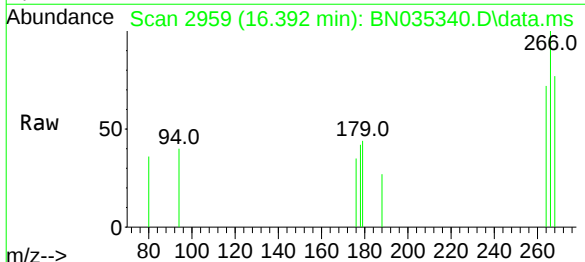
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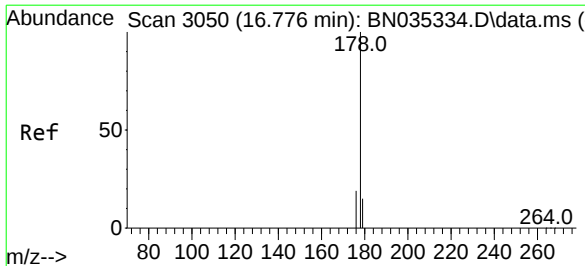
Reviewed By :Jagrut Upadhyay 11/27/2024
Supervised By :mohammad ahmed 11/28/2024



#14
Pentachlorophenol
Concen: 0.095 ng/u1
RT: 16.392 min Scan# 2959
Delta R.T. -0.009 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.1	51.8	77.6
268	69.7	51.3	76.9





#15

Phenanthrene

Concen: 0.502 ng/u1

RT: 16.772 min Scan# 3050

Delta R.T. -0.009 min

Lab File: BN035340.D

Acq: 27 Nov 2024 06:54

Instrument :

BNA_N

ClientSampleId :

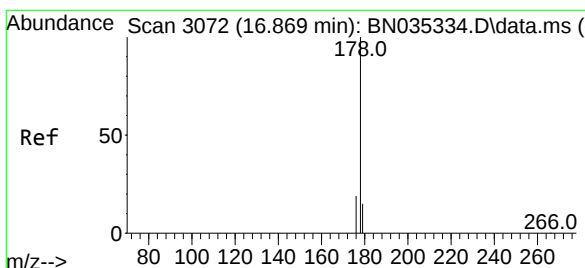
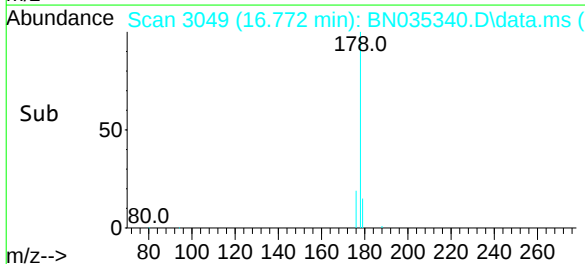
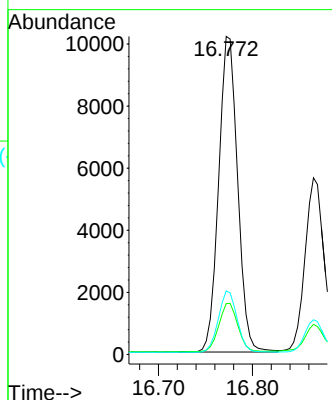
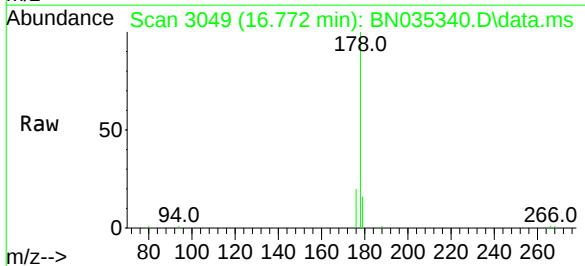
E2A12MSD

Tgt	Ion:178	Resp:	14246
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.9	19.3
176	20.0	15.6	23.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/27/2024
Supervised By :mohammad ahmed 11/28/2024



#16

Anthracene

Concen: 0.301 ng/u1

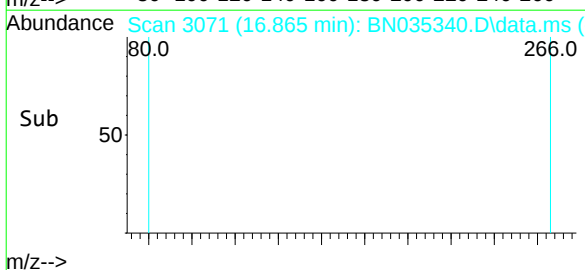
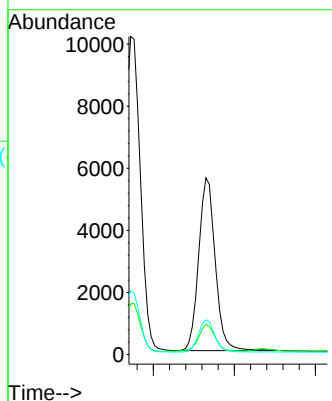
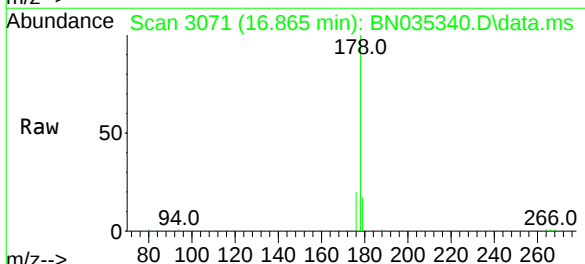
RT: 16.865 min Scan# 3071

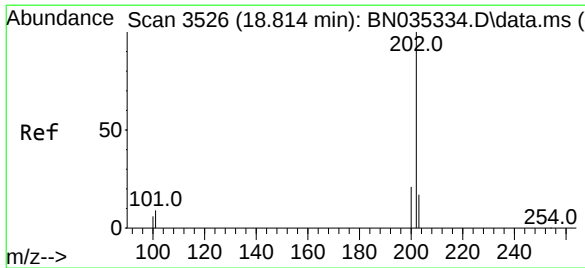
Delta R.T. -0.009 min

Lab File: BN035340.D

Acq: 27 Nov 2024 06:54

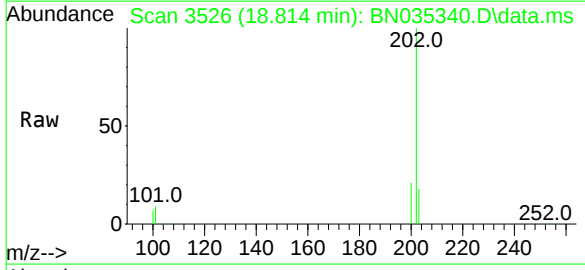
Tgt	Ion:178	Resp:	7935
Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.9	19.3
176	19.7	15.4	23.2





#19
Fluoranthene
Concen: 1.085 ng/u1
RT: 18.814 min Scan# 3526
Delta R.T. -0.005 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

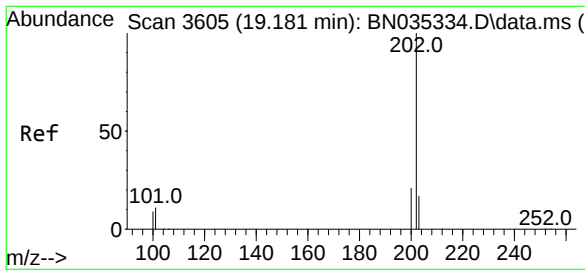
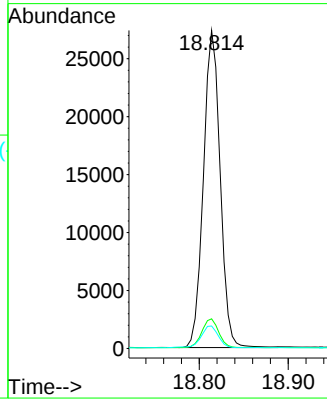
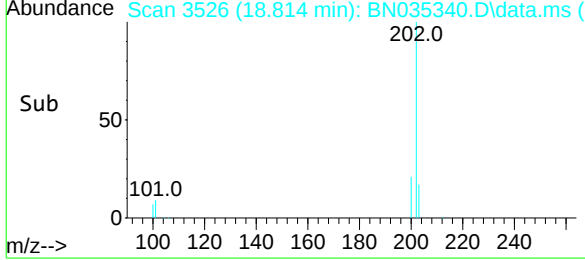
Instrument :
BNA_N
ClientSampleId :
E2A12MSD



Tgt Ion:202 Resp: 35696
Ion Ratio Lower Upper
202 100
101 9.3 5.8 8.6#
100 7.1 4.5 6.7#

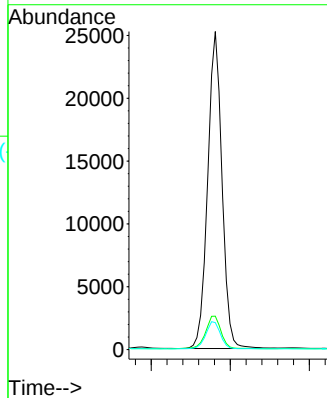
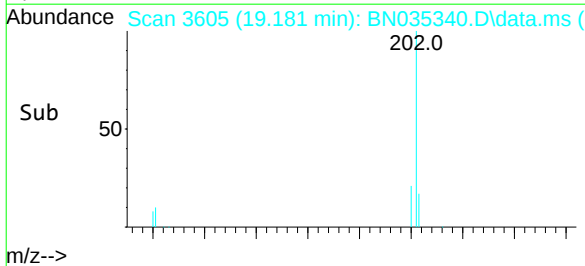
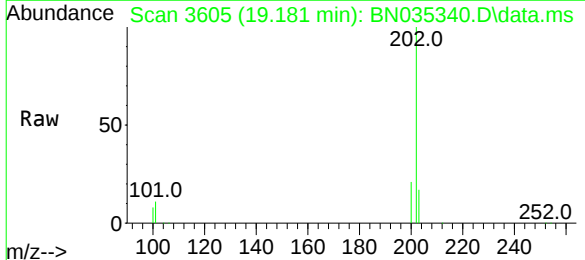
Manual Integrations
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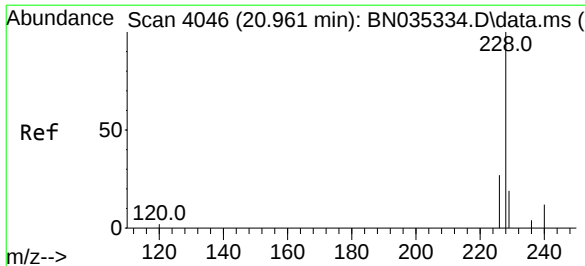
Reviewed By :Jagrut Upadhyay 11/27/2024
Supervised By :mohammad ahmed 11/28/2024



#20
Pyrene
Concen: 0.925 ng/u1
RT: 19.181 min Scan# 3605
Delta R.T. -0.005 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

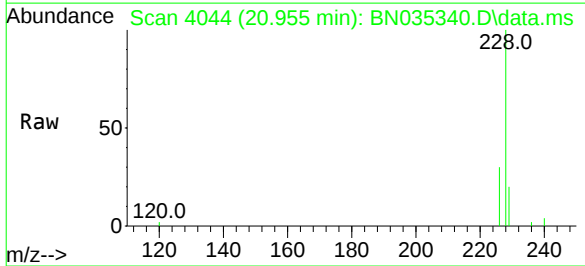
Tgt Ion:202 Resp: 31680
Ion Ratio Lower Upper
202 100
101 10.5 6.2 9.4#
100 8.5 5.1 7.7#





#21
Benzo(a)anthracene
Concen: 0.616 ng/u1
RT: 20.955 min Scan# 4046
Delta R.T. -0.009 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

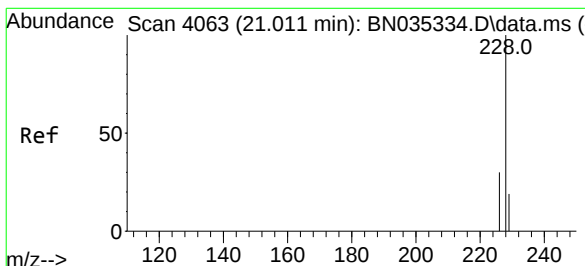
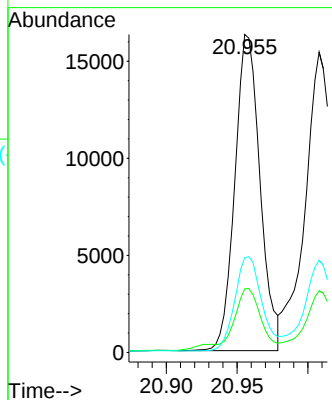
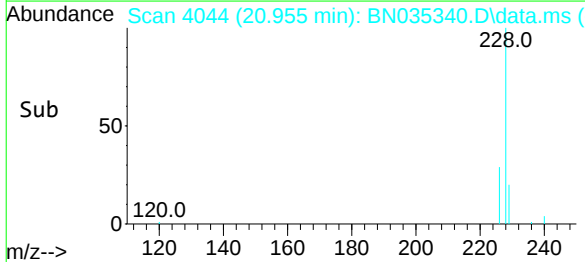
Instrument :
BNA_N
ClientSampleId :
E2A12MSD



Tgt Ion:	228	Resp:	20198
Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.8	23.8
226	29.8	21.8	32.8

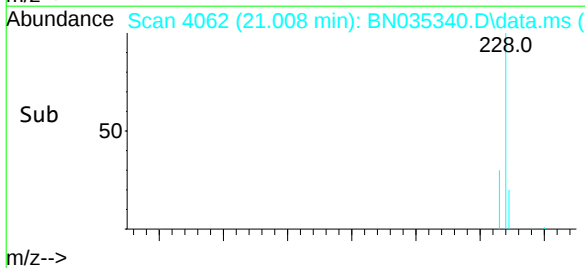
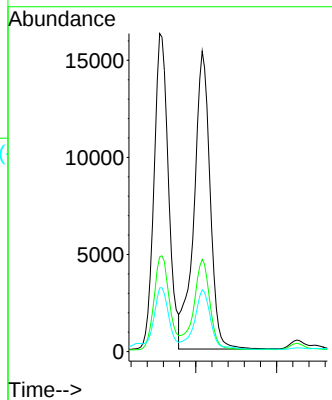
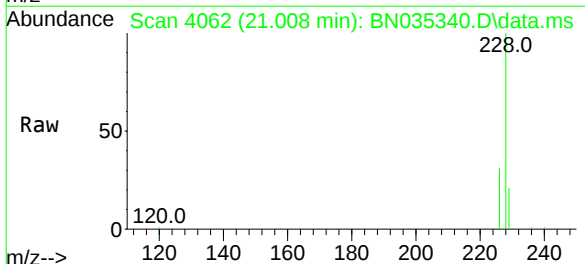
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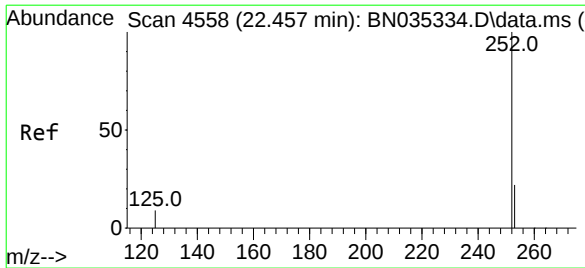
Reviewed By :Jagrut Upadhyay 11/27/2024
Supervised By :mohammad ahmed 11/28/2024



#22
Chrysene
Concen: 0.642 ng/u1
RT: 21.008 min Scan# 4062
Delta R.T. -0.009 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

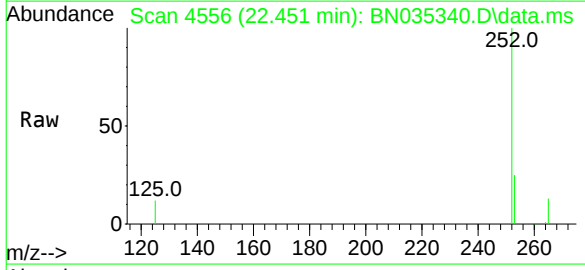
Tgt Ion:	228	Resp:	21184
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	20.5	16.0	24.0





#24
Benzo(b)fluoranthene
Concen: 0.742 ng/u1
RT: 22.451 min Scan# 4558
Delta R.T. -0.012 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

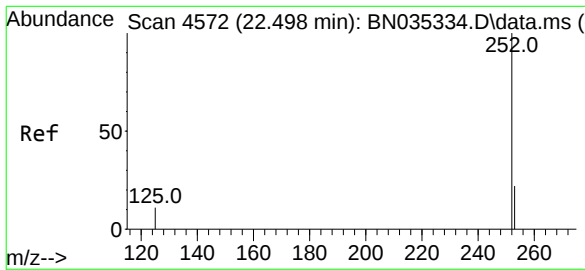
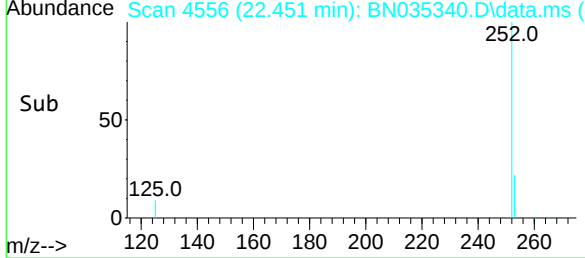
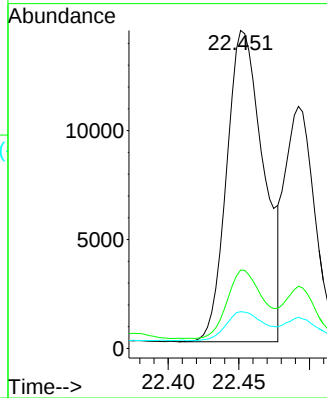
Instrument :
BNA_N
ClientSampleId :
E2A12MSD



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	0.0	54.0
125	11.6	0.0	19.4

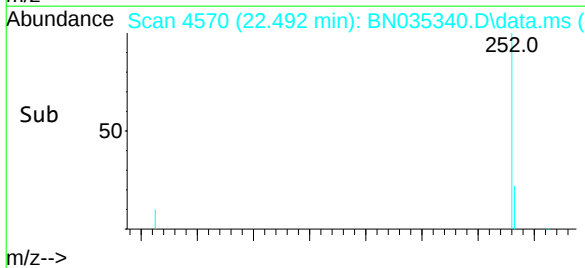
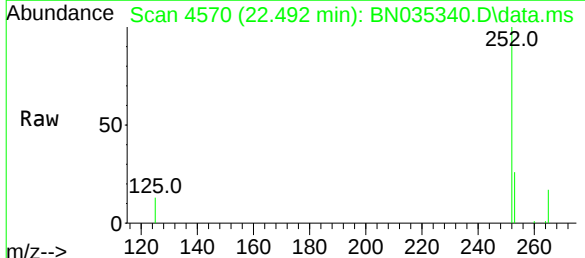
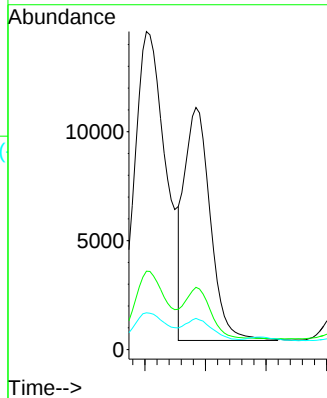
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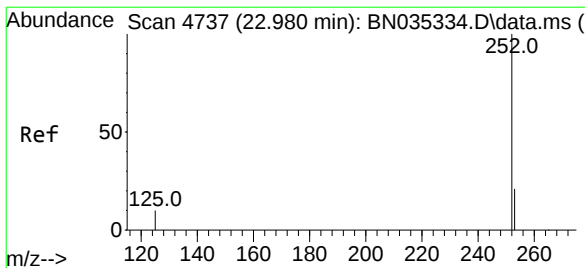
Reviewed By :Jagrut Upadhyay 11/27/2024
Supervised By :mohammad ahmed 11/28/2024



#25
Benzo(k)fluoranthene
Concen: 0.441 ng/u1 m
RT: 22.492 min Scan# 4570
Delta R.T. -0.012 min
Lab File: BN035340.D
Acq: 27 Nov 2024 06:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	21.8	32.6
125	12.9	8.6	12.8





#26

Benzo(a)pyrene

Concen: 0.608 ng/u1

RT: 22.975 min Scan# 47

Delta R.T. -0.012 min

Lab File: BN035340.D

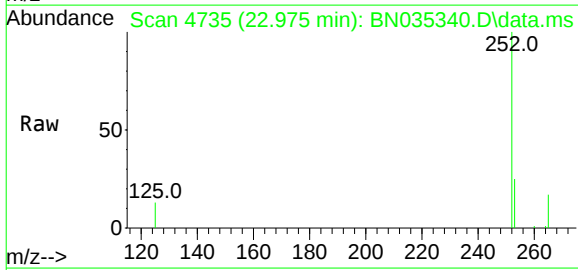
Acq: 27 Nov 2024 06:54

Instrument :

BNA_N

ClientSampleId :

E2A12MSD

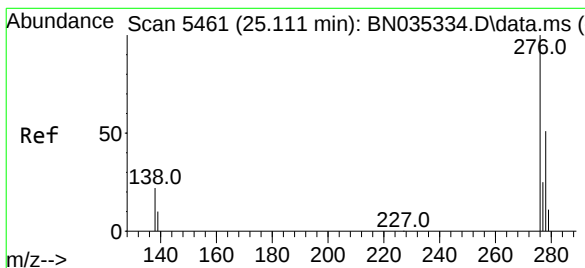
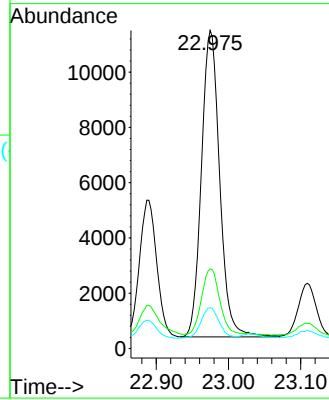
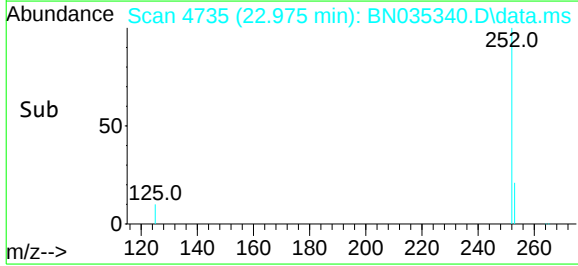


Tgt	Ion	Ratio	Lower	Upper
252	100			
253	25.0	22.9	34.3	
125	12.8	9.4	14.2	

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Reviewed By :Jagrut Upadhyay 11/27/2024
Supervised By :mohammad ahmed 11/28/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.469 ng/u1

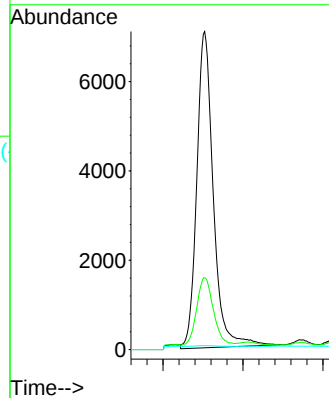
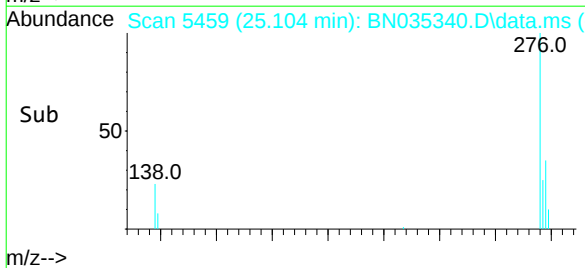
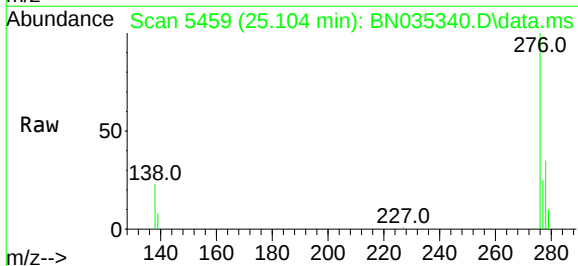
RT: 25.104 min Scan# 5459

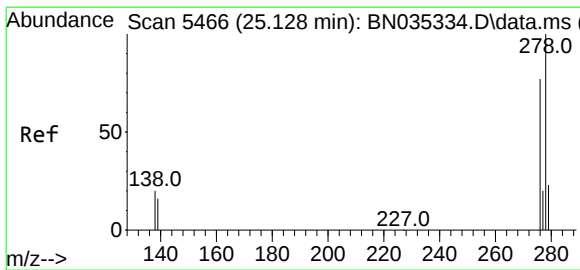
Delta R.T. -0.017 min

Lab File: BN035340.D

Acq: 27 Nov 2024 06:54

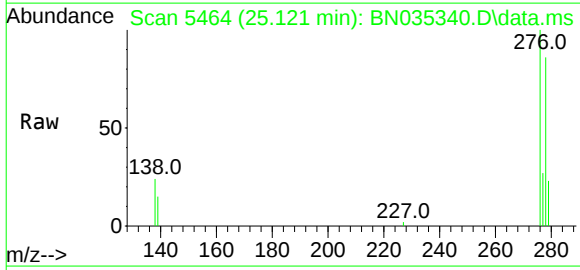
Tgt	Ion	Ratio	Lower	Upper
276	100			
138	25.2	13.8	20.8#	
227	6.6	0.2	0.4#	





#28
 Dibenzo(a,h)anthracene
 Concen: 0.300 ng/u1 m
 RT: 25.121 min Scan# 54
 Delta R.T. -0.017 min
 Lab File: BN035340.D
 Acq: 27 Nov 2024 06:54

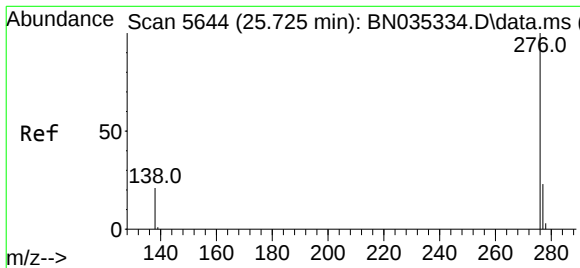
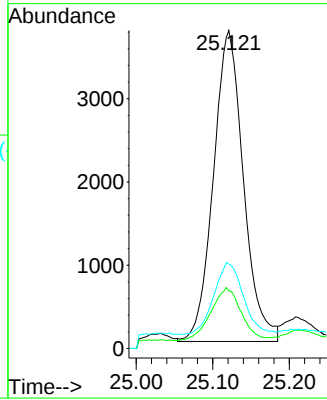
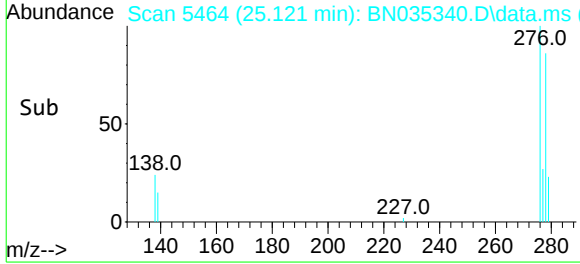
Instrument :
 BNA_N
 ClientSampleId :
 E2A12MSD



Tgt Ion:	278	Resp:	10179
Ion Ratio	Lower	Upper	
278	100		
139	18.0	10.7	16.1#
279	26.6	22.8	34.2

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Reviewed By :Jagrut Upadhyay 11/27/2024
 Supervised By :mohammad ahmed 11/28/2024



#29
 Benzo(g,h,i)perylene
 Concen: 0.510 ng/u1
 RT: 25.721 min Scan# 5643
 Delta R.T. -0.014 min
 Lab File: BN035340.D
 Acq: 27 Nov 2024 06:54

Tgt Ion:	276	Resp:	17388
Ion Ratio	Lower	Upper	
276	100		
138	22.0	13.0	19.6#
277	24.7	20.5	30.7

