

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122023\
 Data File : BN029142.D
 Acq On : 20 Dec 2023 19:36
 Operator : MA/JU
 Sample : 05611-05DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-5DL

Quant Time: Dec 21 01:10:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 18:03:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							12/21/2023
1) 1,4-Dichlorobenzene-d4	7.789	152	1211	0.400	ng	0.00	Supervised By :mohammad Ahmed
7) Naphthalene-d8	10.573	136	2263	0.400	ng	-0.01	
13) Acenaphthene-d10	14.425	164	1144	0.400	ng	0.00	
19) Phenanthrene-d10	17.181	188	1927	0.400	ng	# 0.00	
29) Chrysene-d12	21.384	240	1093	0.400	ng	# 0.00	
35) Perylene-d12	23.700	264	1386	0.400	ng	#-0.01	12/21/2023
System Monitoring Compounds							
4) 2-Fluorophenol	5.406	112	83	0.029	ng	0.00	
5) Phenol-d6	7.002	99	178	0.056	ng	0.00	
8) Nitrobenzene-d5	8.971	82	184	0.062	ng	0.01	
11) 2-Methylnaphthalene-d10	12.170	152	105	0.031	ng	0.00	
14) 2,4,6-Tribromophenol	15.927	330	26	0.026	ng	0.00	
15) 2-Fluorobiphenyl	13.057	172	184	0.028	ng	0.00	
27) Fluoranthene-d10	19.215	212	138	0.030	ng	0.00	
31) Terphenyl-d14	19.828	244	109	0.036	ng	0.00	
Target Compounds							Qvalue
9) Naphthalene	10.626	128	238	0.032	ng	#	52
16) Acenaphthylene	14.147	152	294	0.036	ng	#	94
17) Acenaphthene	14.489	154	504	0.104	ng		95
18) Fluorene	15.484	166	608	0.093	ng		90
25) Phenanthrene	17.218	178	9639	1.212	ng		97
26) Anthracene	17.305	178	2680	0.349	ng		98
28) Fluoranthene	19.247	202	16273	1.980	ng		99
30) Pyrene	19.610	202	13482	1.566	ng		97
32) Benzo(a)anthracene	21.366	228	6328	1.053	ng		94
33) Chrysene	21.420	228	4822	0.811	ng		96
36) Indeno(1,2,3-cd)pyrene	26.072	276	3802	0.426	ng	#	68
37) Benzo(b)fluoranthene	23.002	252	7247	1.028	ng	#	77
38) Benzo(k)fluoranthene	23.043	252	3055m	0.443	ng		
39) Benzo(a)pyrene	23.595	252	5209m	0.828	ng		
40) Dibenzo(a,h)anthracene	26.089	278	958	0.140	ng	#	83
41) Benzo(g,h,i)perylene	26.802	276	3139	0.415	ng		92

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

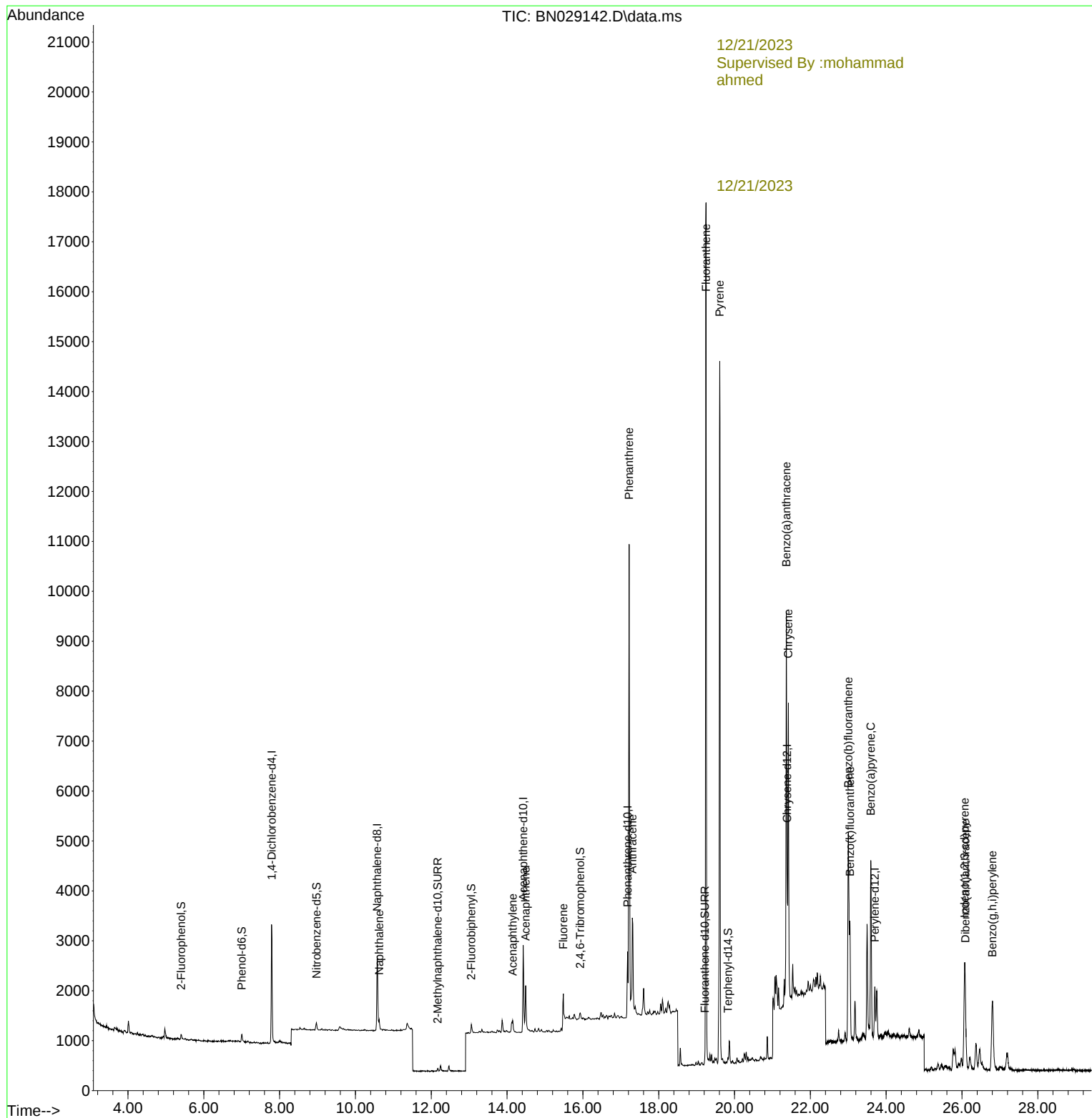
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122023\
Data File : BN029142.D
Acq On : 20 Dec 2023 19:36
Operator : MA/JU
Sample : 05611-05DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

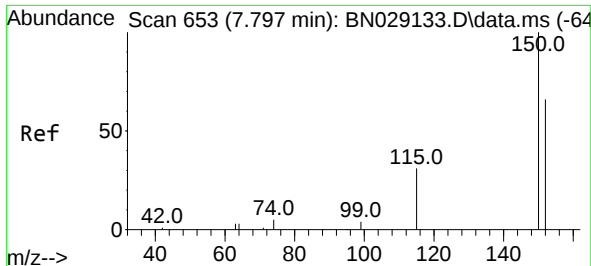
Instrument :
BNA_N
ClientSampleId :
PE-5DL

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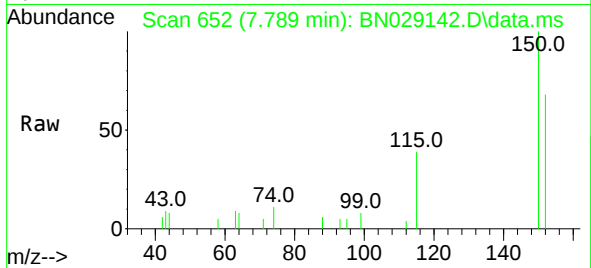
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 18:03:30 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 653
Delta R.T. -0.008 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

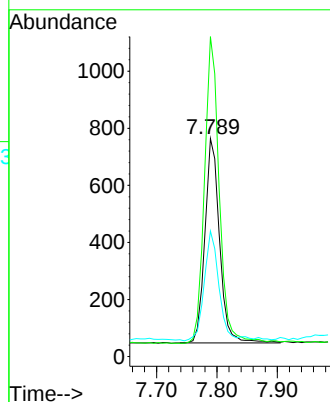
Instrument :
BNA_N
ClientSampleId :
PE-5DL



Tgt Ion:152 Resp: 121
Ion Ratio Lower Upper
152 100
150 146.7 117.6 176.4
115 57.6 44.2 66.2

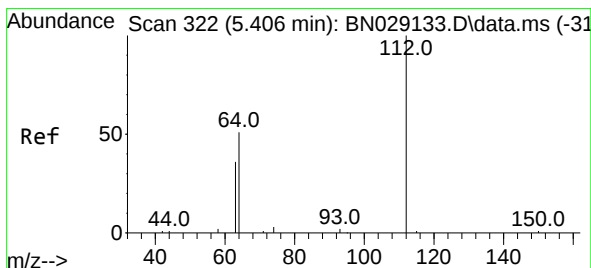
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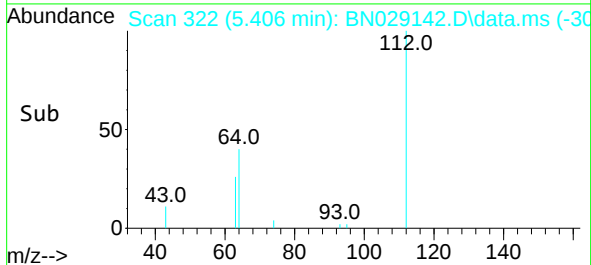
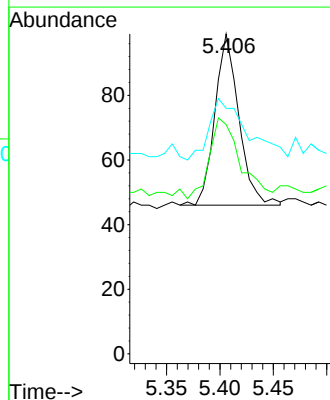
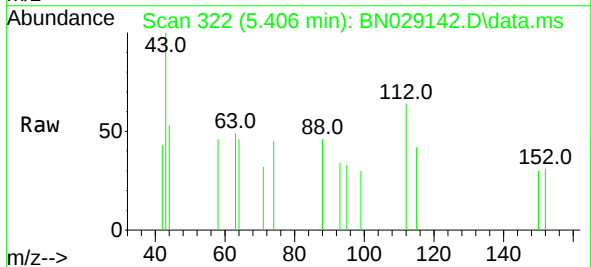
12/21/2023
Supervised By :mohammad
ahmed

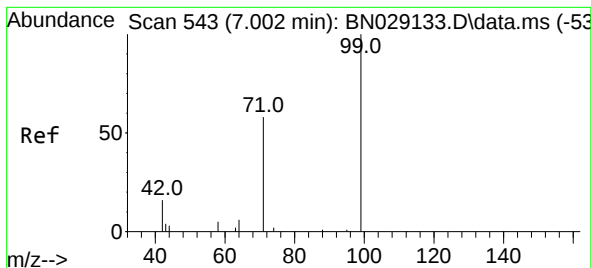
12/21/2023



#4
2-Fluorophenol
Concen: 0.029 ng
RT: 5.406 min Scan# 322
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Tgt Ion:112 Resp: 83
Ion Ratio Lower Upper
112 100
64 60.2 38.6 58.0#
63 56.6 30.0 45.0#





#5

Phenol-d6

Concen: 0.056 ng

RT: 7.002 min Scan# 543

Delta R.T. -0.000 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Instrument :

BNA_N

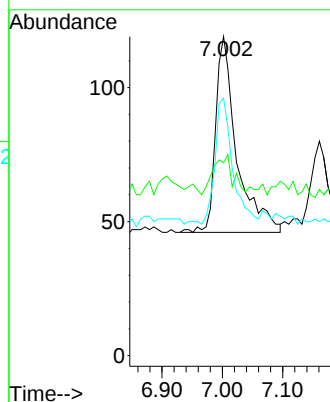
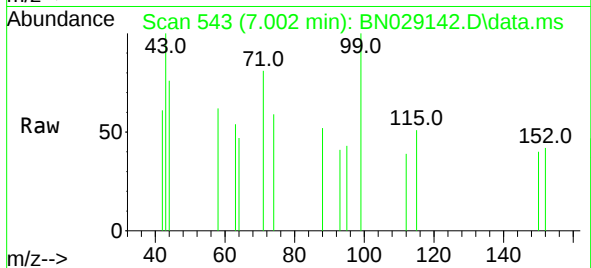
ClientSampleId :

PE-5DL

Tgt Ion:	99	Resp:	178
Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.8	20.6
71	50.6	45.4	68.2

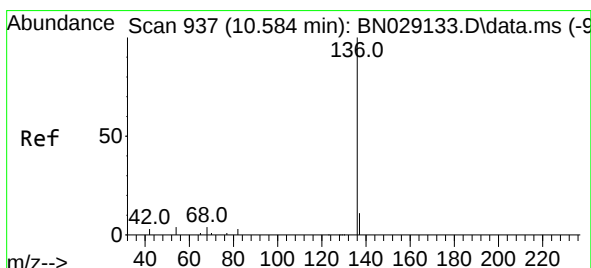
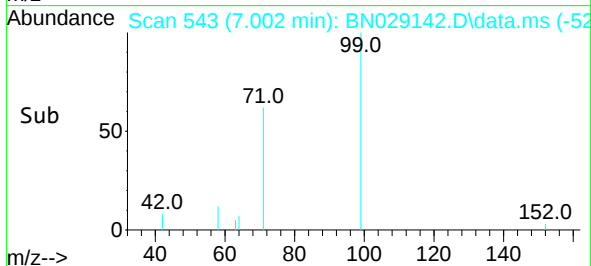
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#7

Naphthalene-d8

Concen: 0.400 ng

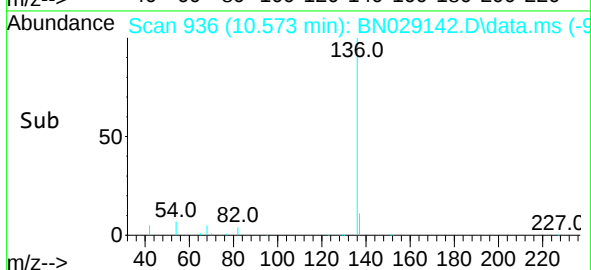
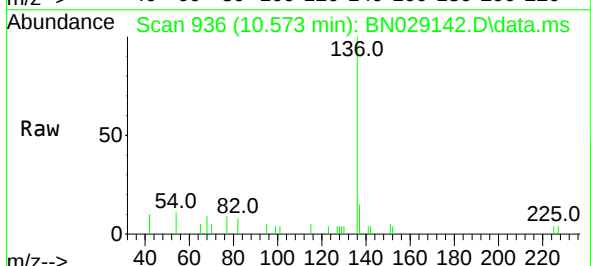
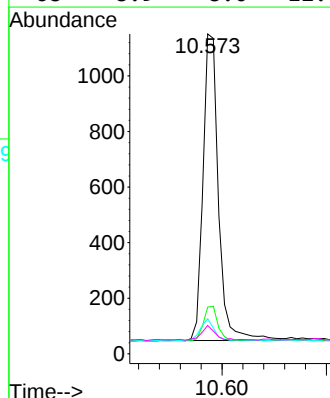
RT: 10.573 min Scan# 936

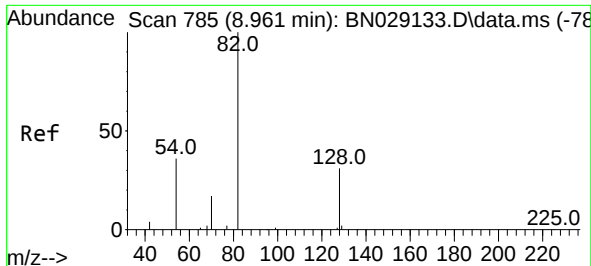
Delta R.T. -0.011 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Tgt Ion:	136	Resp:	2263
Ion	Ratio	Lower	Upper
136	100		
137	14.6	13.4	20.0
54	10.9	8.6	13.0
68	8.9	8.0	12.0





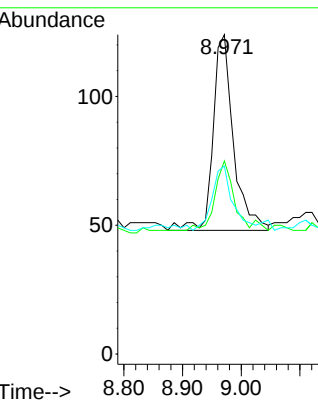
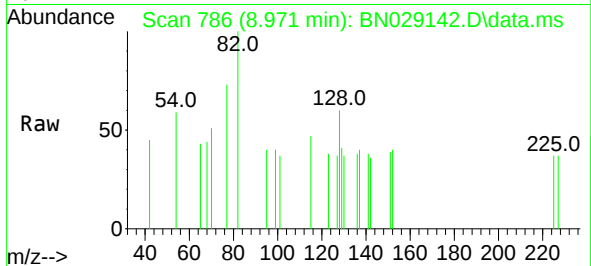
#8
Nitrobenzene-d5
Concen: 0.062 ng
RT: 8.971 min Scan# 785
Delta R.T. 0.010 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Instrument :
BNA_N
ClientSampleId :
PE-5DL

Tgt Ion: 82 Resp: 184
Ion Ratio Lower Upper
82 100
128 60.5 33.0 49.4#
54 58.9 35.8 53.8#

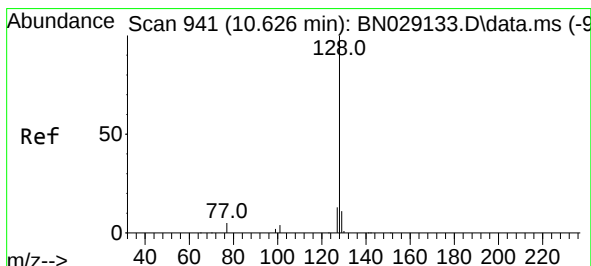
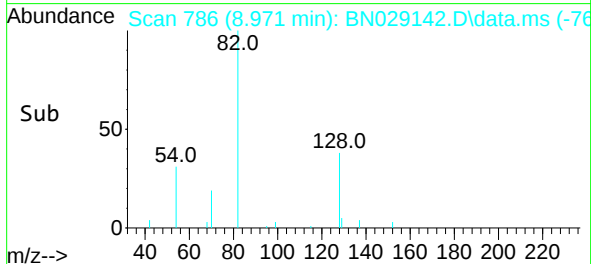
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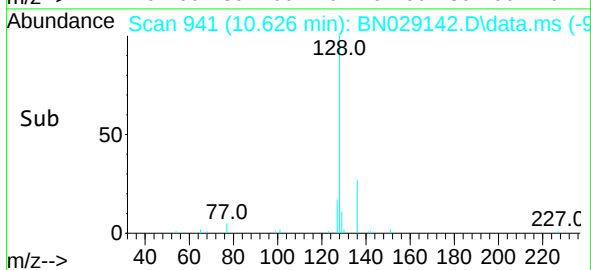
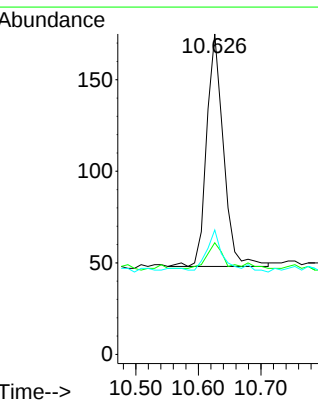
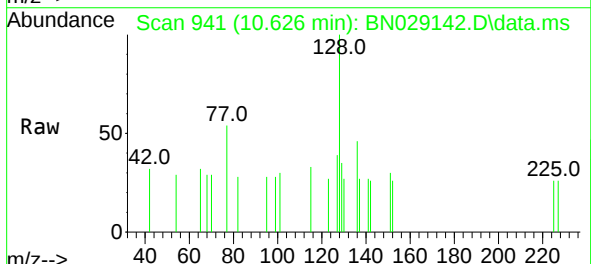
12/21/2023
Supervised By :mohammad
ahmed

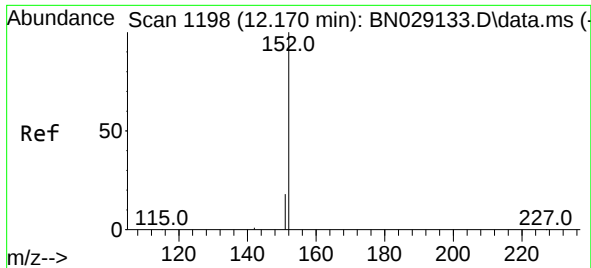
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#9
Naphthalene
Concen: 0.032 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

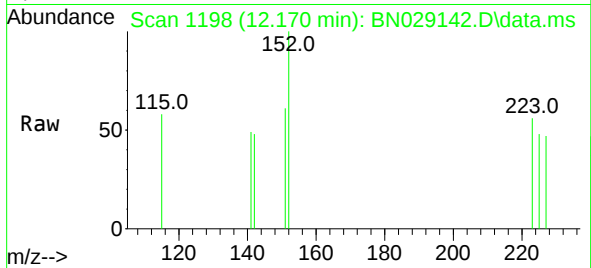
Tgt Ion:128 Resp: 238
Ion Ratio Lower Upper
128 100
129 34.9 12.0 18.0#
127 38.9 14.1 21.1#





#11
2-Methylnaphthalene-d10
Concen: 0.031 ng
RT: 12.170 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

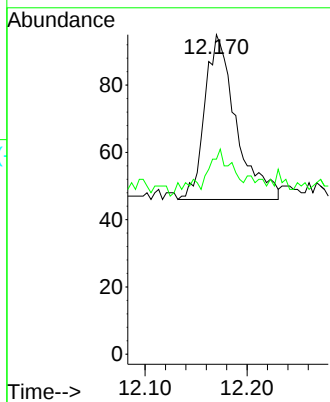
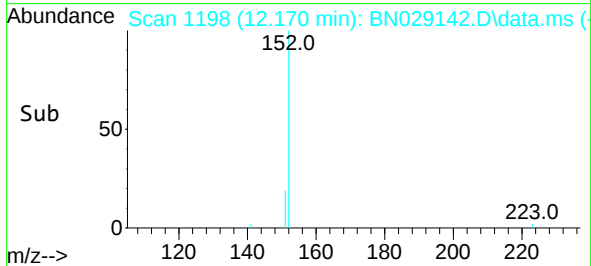
Instrument :
BNA_N
ClientSampleId :
PE-5DL



Tgt Ion:152 Resp: 100
Ion Ratio Lower Upper
152 100
151 15.2 17.4 26.2

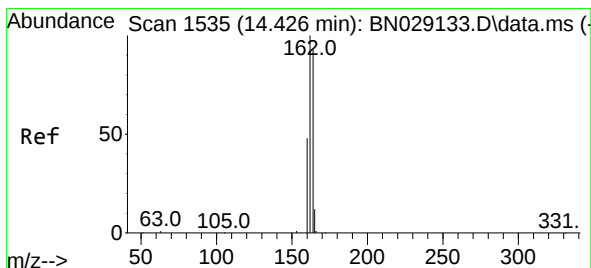
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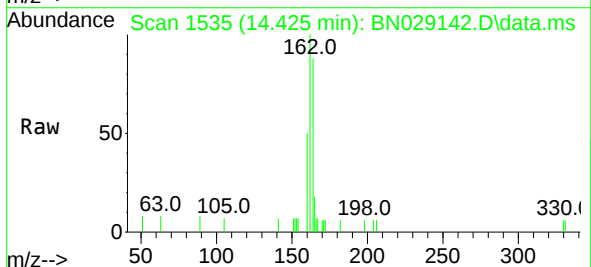


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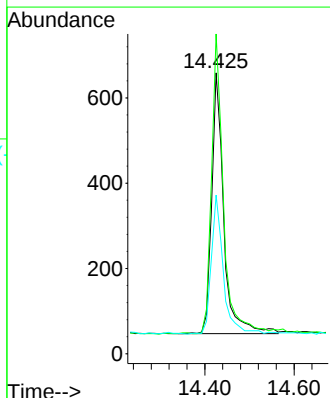
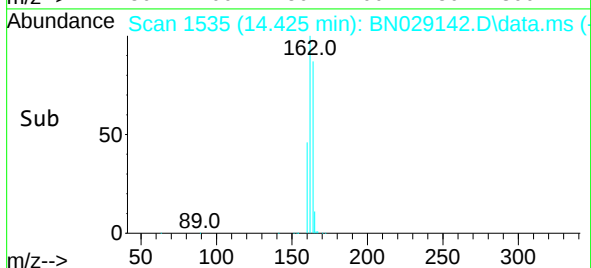
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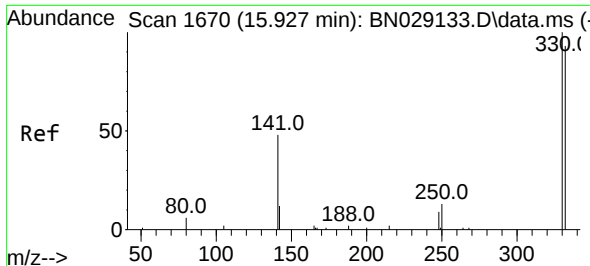


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.425 min Scan# 1535
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36



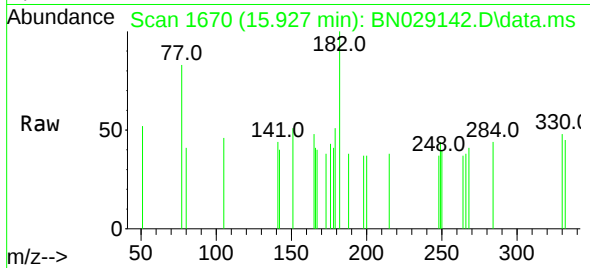
Tgt Ion:164 Resp: 1144
Ion Ratio Lower Upper
164 100
162 113.8 85.0 127.4
160 56.4 45.8 68.8





#14
2,4,6-Tribromophenol
Concen: 0.026 ng
RT: 15.927 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

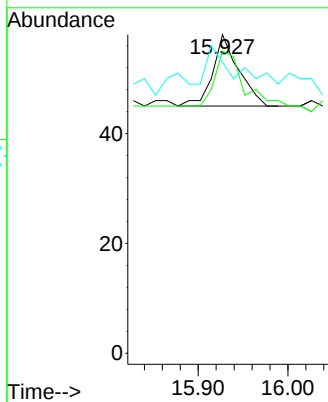
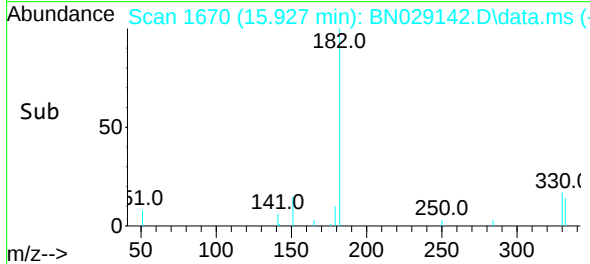
Instrument :
BNA_N
ClientSampleId :
PE-5DL



Tgt Ion:330 Resp: 2000
Ion Ratio Lower Upper
330 100
332 111.5 83.4 125.0
141 123.1 43.8 65.8

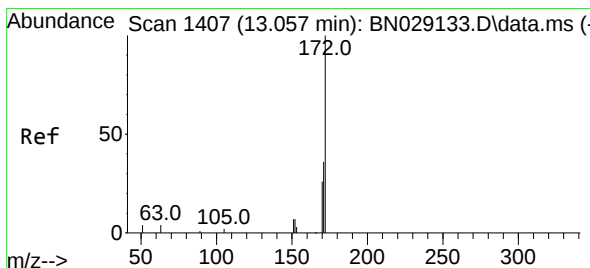
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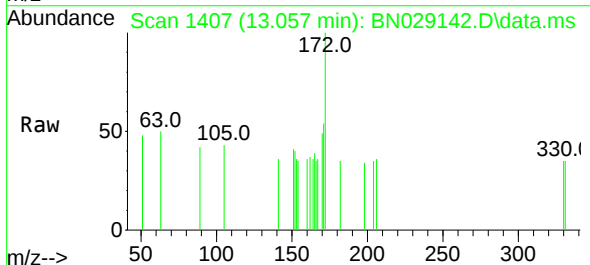


12/21/2023
Supervised By :mohammad
ahmed

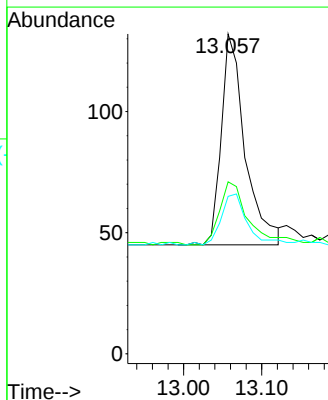
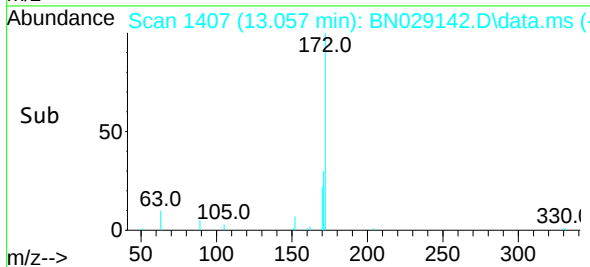
12/21/2023

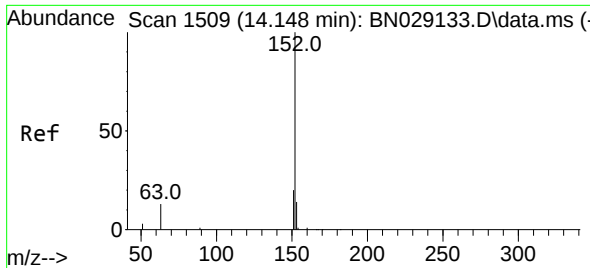


#15
2-Fluorobiphenyl
Concen: 0.028 ng
RT: 13.057 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36



Tgt Ion:172 Resp: 184
Ion Ratio Lower Upper
172 100
171 53.8 32.2 48.4#
170 49.2 25.0 37.4#





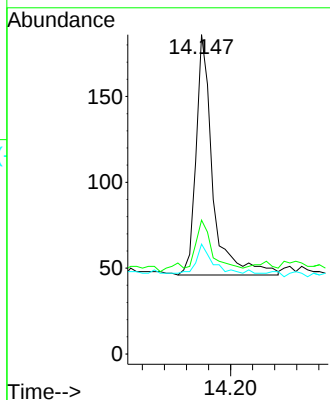
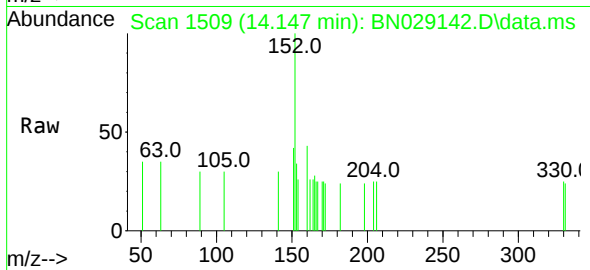
#16
Acenaphthylene
Concen: 0.036 ng
RT: 14.147 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Instrument :
BNA_N
ClientSampleId :
PE-5DL

Tgt Ion:152 Resp: 294
Ion Ratio Lower Upper
152 100
151 24.5 16.3 24.5
153 12.2 10.1 15.1

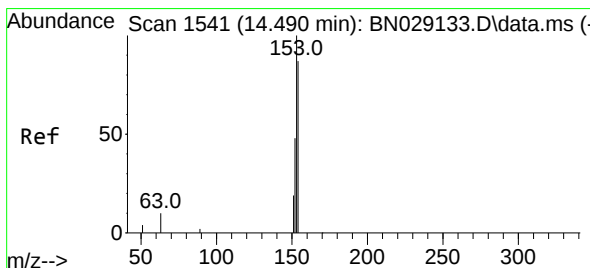
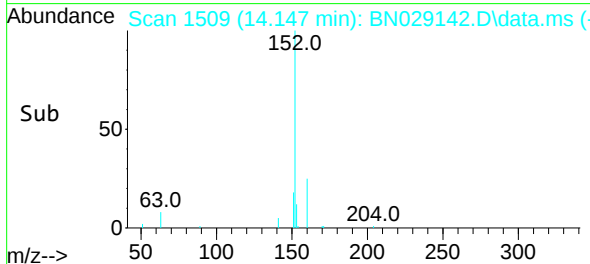
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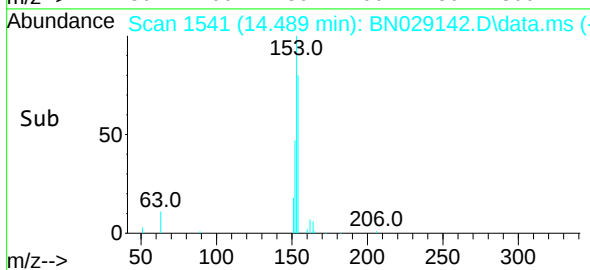
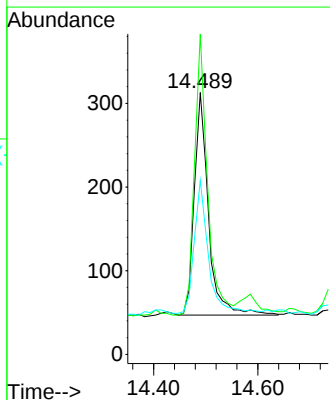
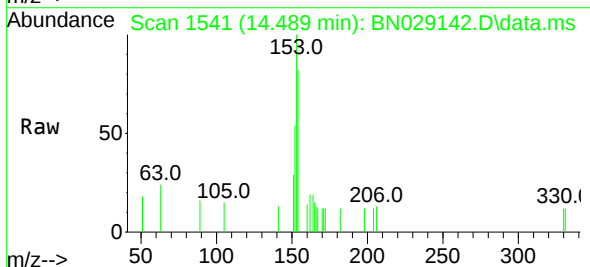
12/21/2023
Supervised By :mohammad
ahmed

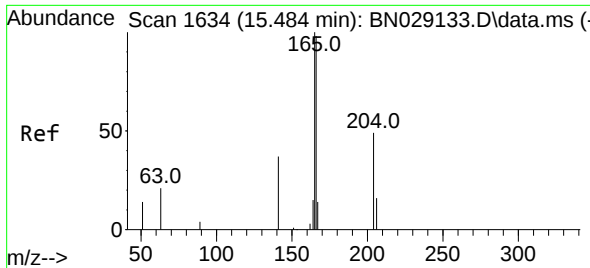
12/21/2023



#17
Acenaphthene
Concen: 0.104 ng
RT: 14.489 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

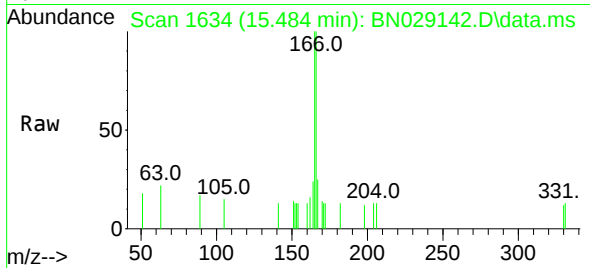
Tgt Ion:154 Resp: 504
Ion Ratio Lower Upper
154 100
153 116.3 99.9 149.9
152 59.7 47.4 71.2





#18
Fluorene
Concen: 0.093 ng
RT: 15.484 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

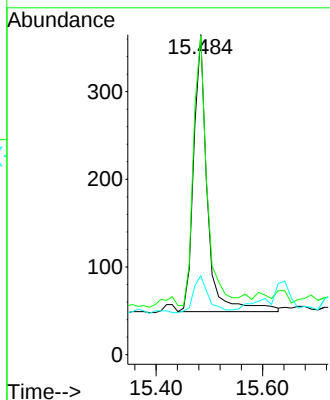
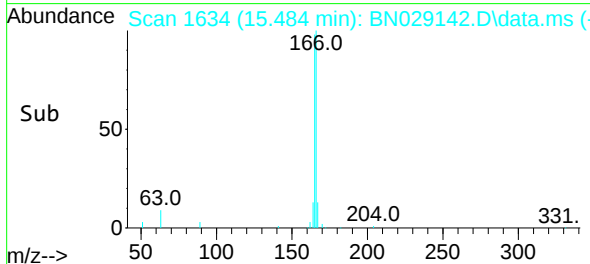
Instrument :
BNA_N
ClientSampleId :
PE-5DL



Tgt Ion:166 Resp: 608
Ion Ratio Lower Upper
166 100
165 93.3 83.4 125.0
167 13.7 11.8 17.8

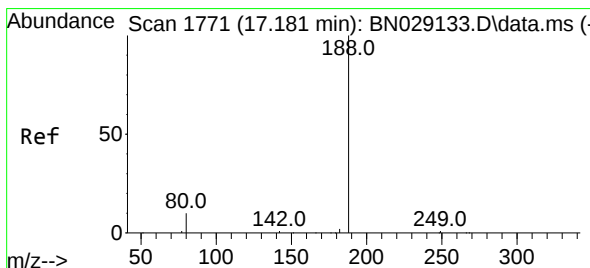
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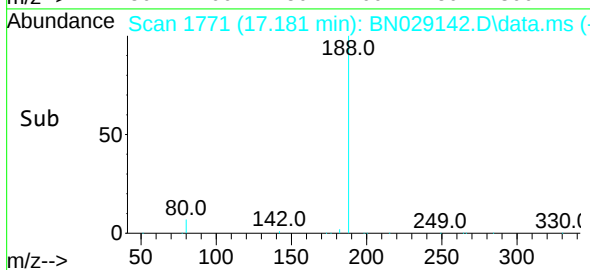
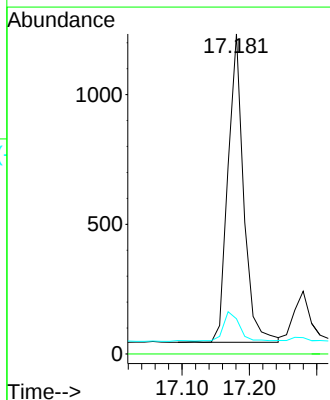
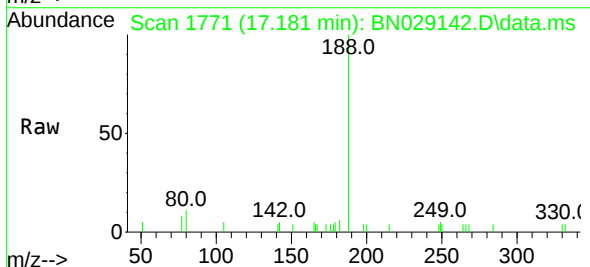
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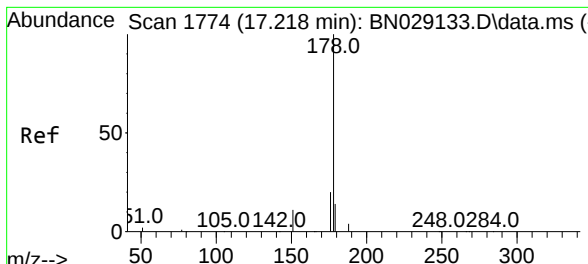
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.181 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

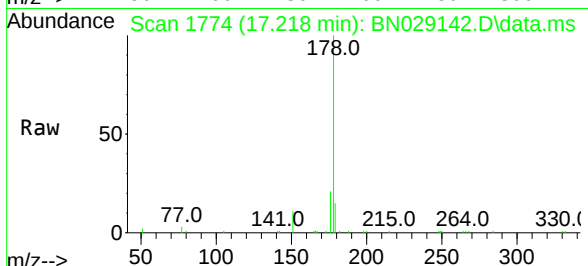
Tgt Ion:188 Resp: 1927
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 13.7 20.5





#25
Phenanthrene
Concen: 1.212 ng
RT: 17.218 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

Instrument :
BNA_N
ClientSampleId :
PE-5DL

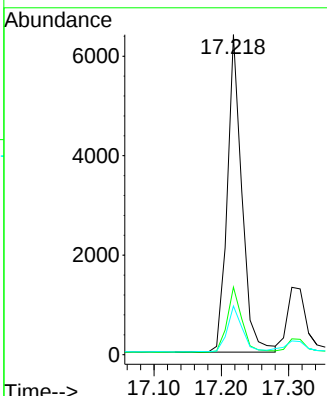
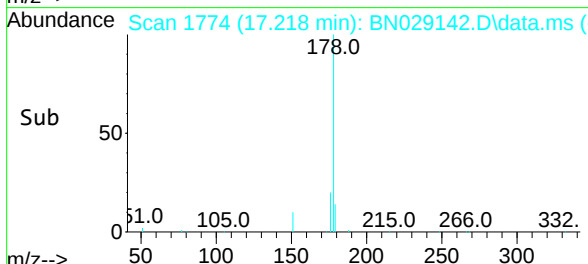


Tgt Ion:178 Resp: 9639

Ion	Ratio	Lower	Upper
178	100		
176	20.7	17.4	26.0
179	15.0	13.7	20.5

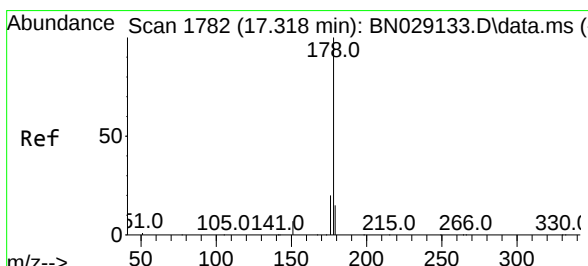
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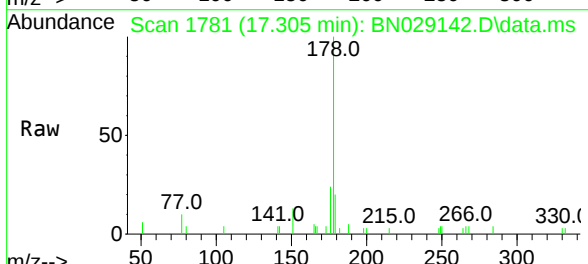


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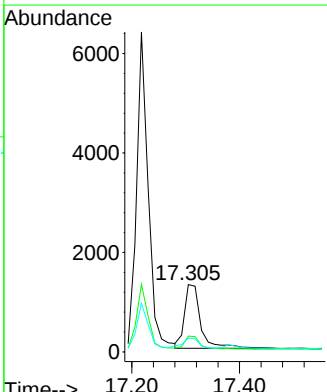
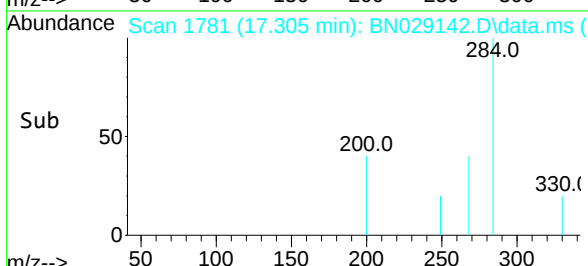


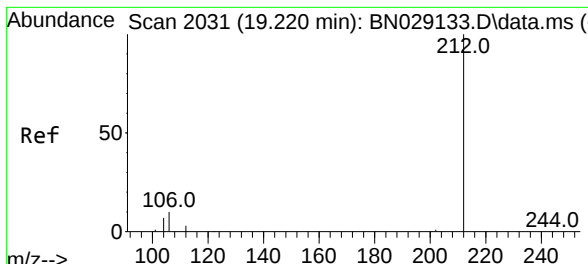
#26
Anthracene
Concen: 0.349 ng
RT: 17.305 min Scan# 1781
Delta R.T. -0.013 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36



Tgt Ion:178 Resp: 2680

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.6	11.4	17.0





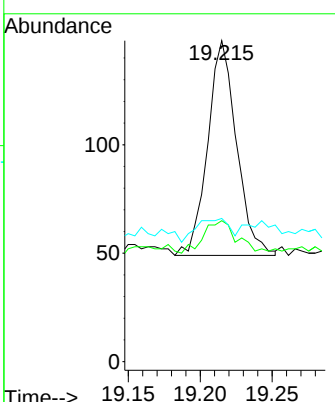
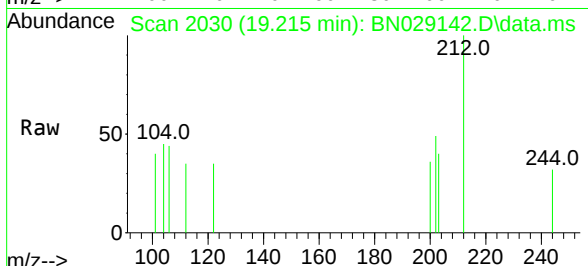
#27
 Fluoranthene-d10
 Concen: 0.030 ng
 RT: 19.215 min Scan# 2030
 Delta R.T. -0.005 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

Instrument : BNA_N
 ClientSampleId : PE-5DL

Tgt Ion: 212 Resp: 138

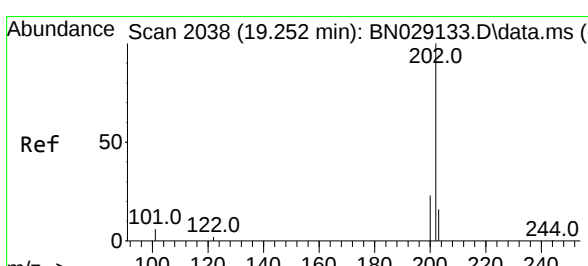
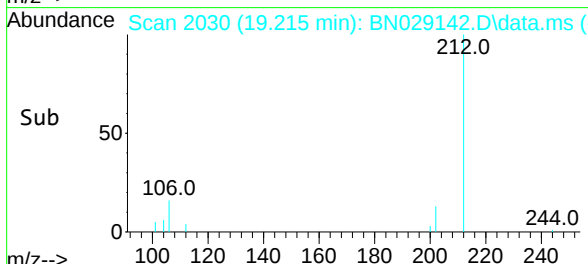
Ion	Ratio	Lower	Upper
212	100		
106	17.4	9.6	14.4
104	12.3	6.5	9.7

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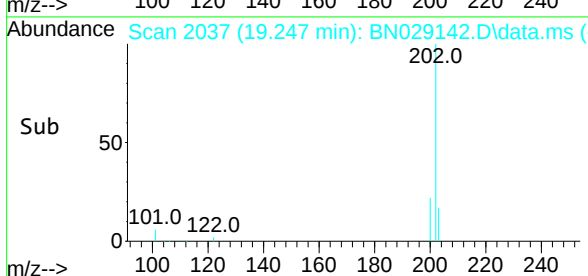
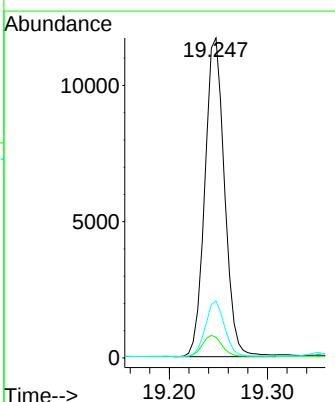
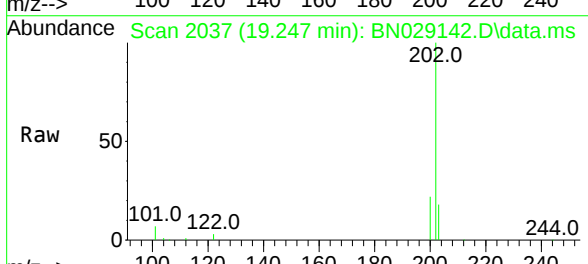
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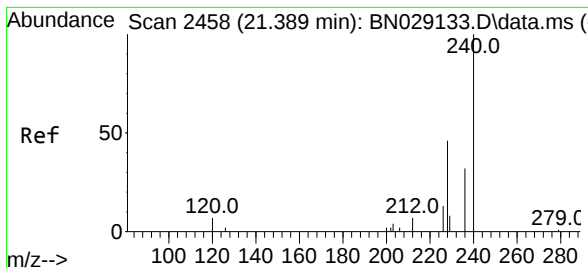


#28
 Fluoranthene
 Concen: 1.980 ng
 RT: 19.247 min Scan# 2037
 Delta R.T. -0.005 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

Tgt Ion: 202 Resp: 16273

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.3	7.9
203	17.0	13.8	20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.384 min Scan# 2458

Delta R.T. -0.005 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Instrument :

BNA_N

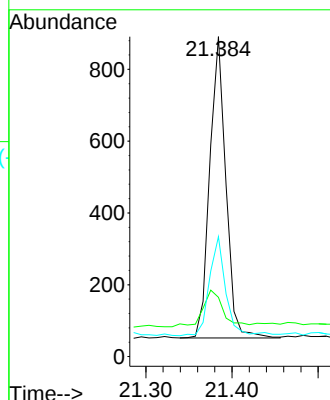
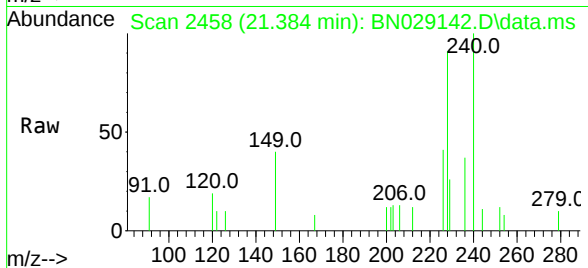
ClientSampleId :

PE-5DL

Tgt Ion:240	Resp:	1093
Ion Ratio	Lower	Upper
240	100	
120	18.5	21.4 32.0
236	37.5	33.5 50.3

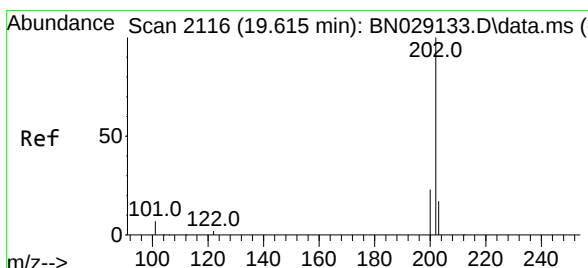
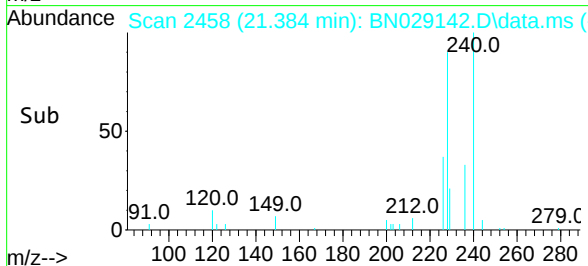
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#30

Pyrene

Concen: 1.566 ng

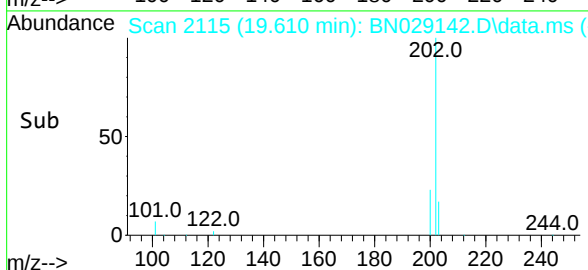
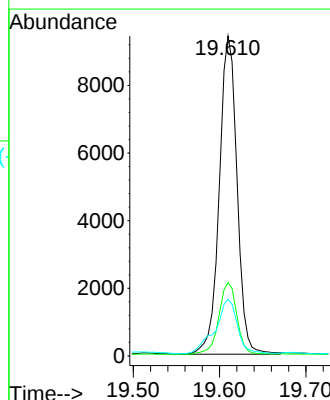
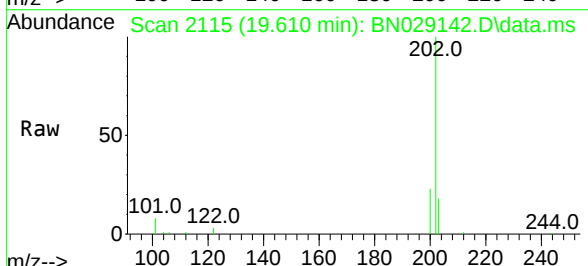
RT: 19.610 min Scan# 2115

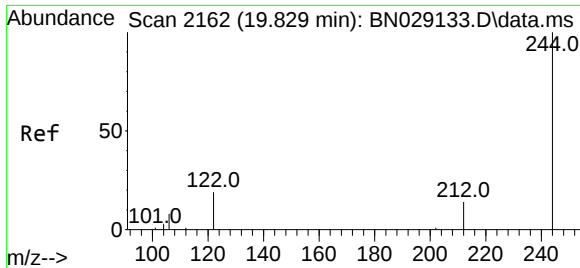
Delta R.T. -0.005 min

Lab File: BN029142.D

Acq: 20 Dec 2023 19:36

Tgt Ion:202	Resp:	13482
Ion Ratio	Lower	Upper
202	100	
200	22.8	18.0 27.0
203	21.5	15.1 22.7





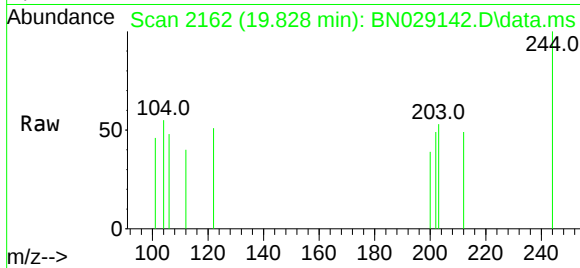
#31
 Terphenyl-d14
 Concen: 0.036 ng
 RT: 19.828 min Scan# 2162
 Delta R.T. -0.000 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

Instrument :

BN029142.D

ClientSampleId :

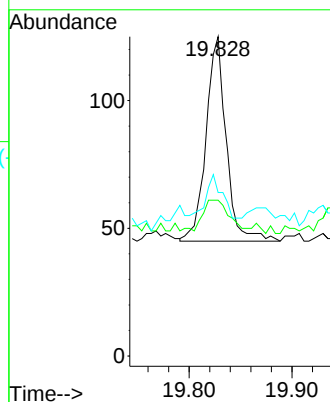
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Tgt Ion:244 Resp: 109
 Ion Ratio Lower Upper
 244 100
 212 48.8 19.0 28.6
 122 51.2 22.5 33.7

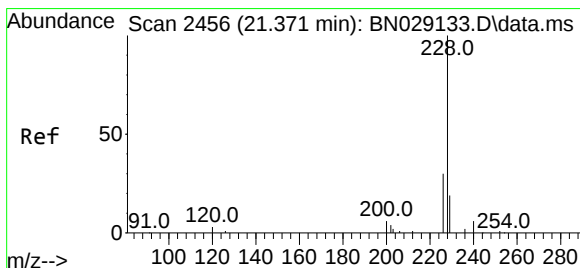
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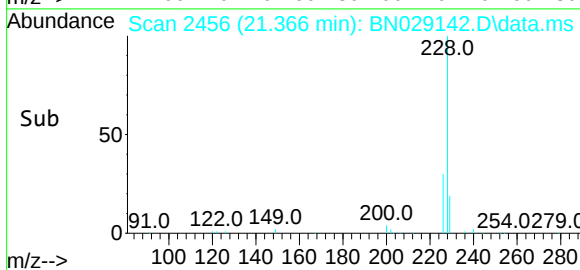
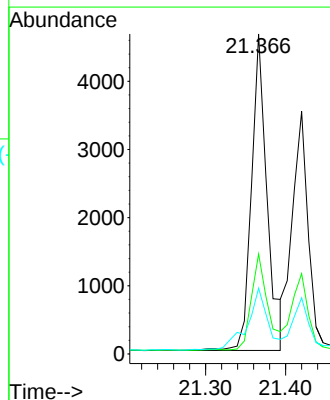
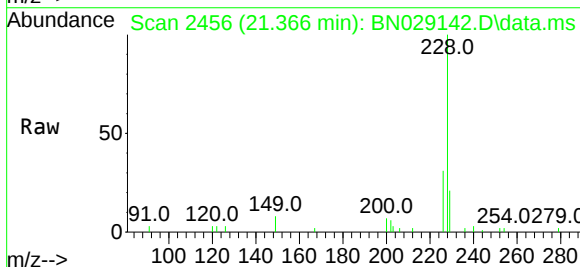
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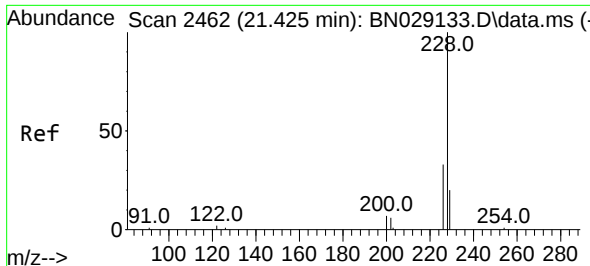
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#32
 Benzo(a)anthracene
 Concen: 1.053 ng
 RT: 21.366 min Scan# 2456
 Delta R.T. -0.005 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

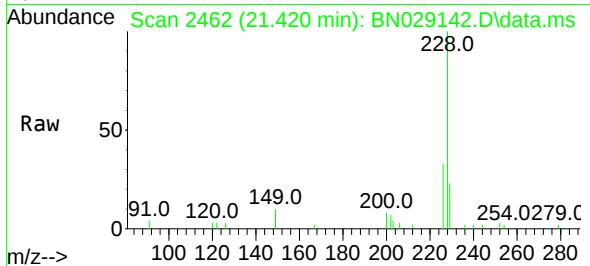
Tgt Ion:228 Resp: 6328
 Ion Ratio Lower Upper
 228 100
 226 31.3 27.6 41.4
 229 20.5 19.4 29.0





#33
Chrysene
Concen: 0.811 ng
RT: 21.420 min Scan# 2462
Delta R.T. -0.005 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

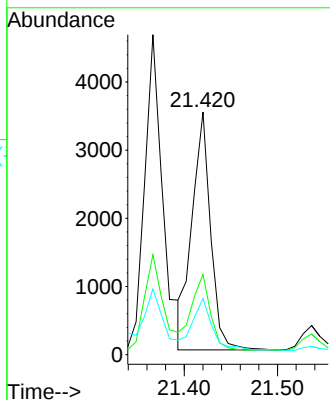
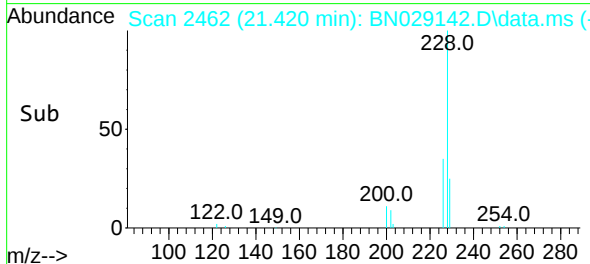
Instrument :
BNA_N
ClientSampleId :
PE-5DL



Tgt Ion:228 Resp: 482
Ion Ratio Lower Upper
228 100
226 33.1 29.2 43.8
229 23.1 19.3 28.9

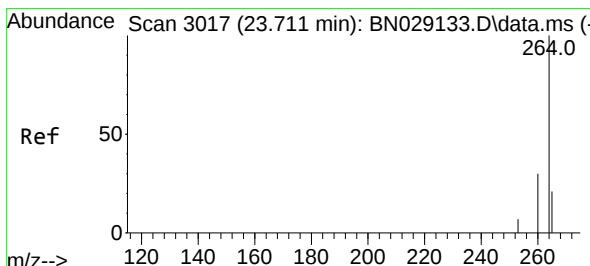
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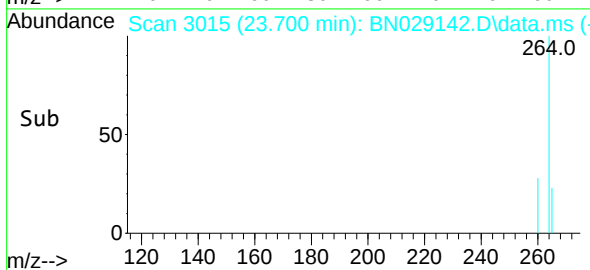
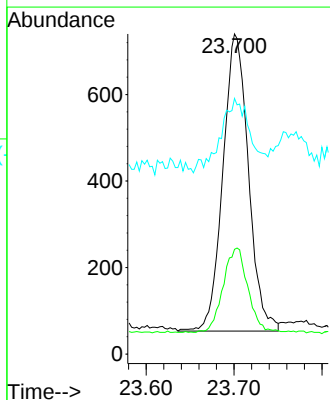
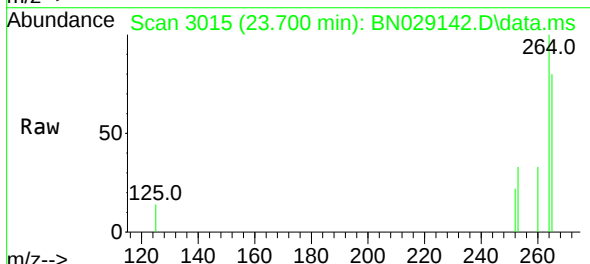
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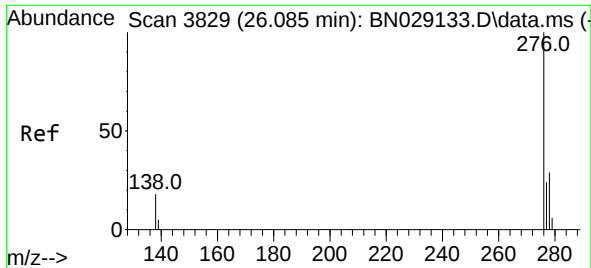
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#35
Perylene-d12
Concen: 0.400 ng
RT: 23.700 min Scan# 3015
Delta R.T. -0.011 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

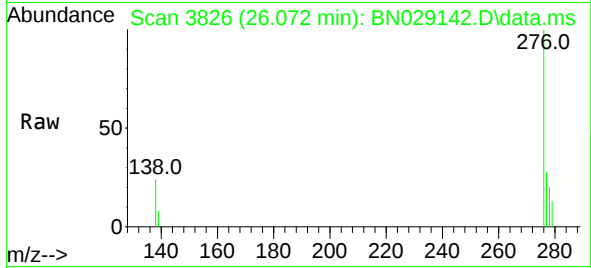
Tgt Ion:264 Resp: 1386
Ion Ratio Lower Upper
264 100
260 32.7 31.0 46.6
265 79.9 105.3 157.9#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.426 ng
 RT: 26.072 min Scan# 3826
 Delta R.T. -0.014 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

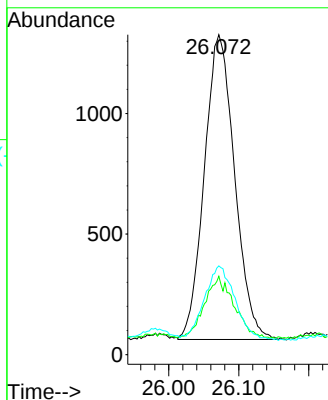
Instrument :
 BNA_N
 ClientSampleId :
 PE-5DL



Tgt Ion: 276 Resp: 3802
 Ion Ratio Lower Upper
 276 100
 138 19.8 7.8 11.6
 277 25.1 9.2 13.8

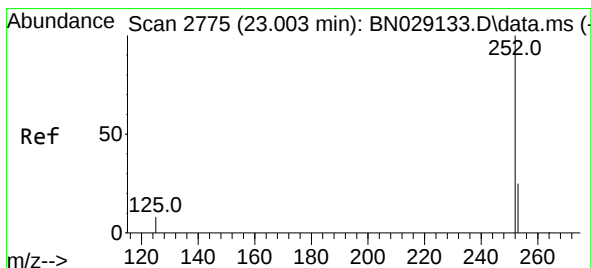
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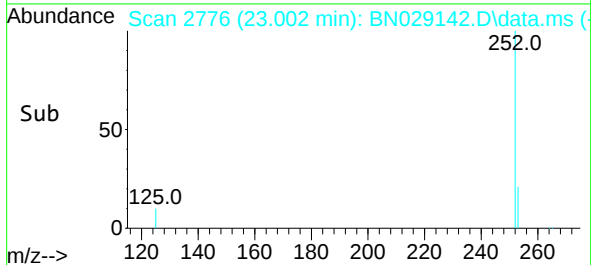
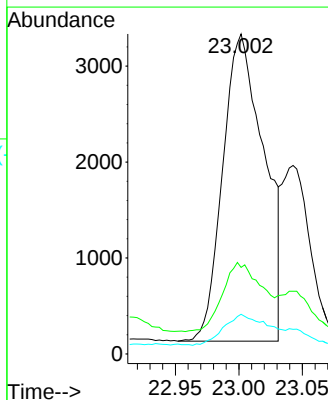
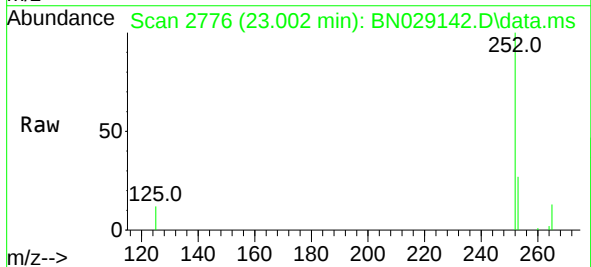
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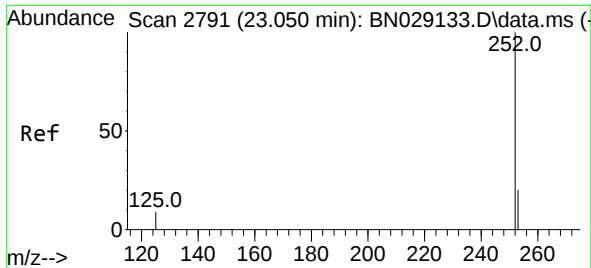
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#37
 Benzo(b)fluoranthene
 Concen: 1.028 ng
 RT: 23.002 min Scan# 2776
 Delta R.T. -0.002 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

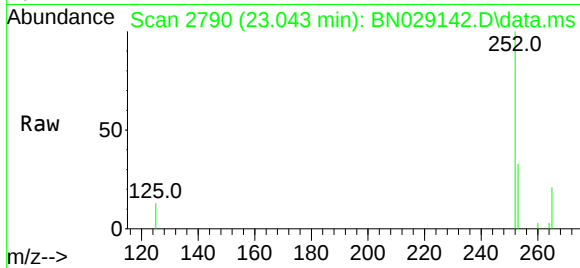
Tgt Ion: 252 Resp: 7247
 Ion Ratio Lower Upper
 252 100
 253 27.1 36.0 54.0#
 125 12.4 14.6 21.8#





#38
Benzo(k)fluoranthene
Concen: 0.443 ng m
RT: 23.043 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36

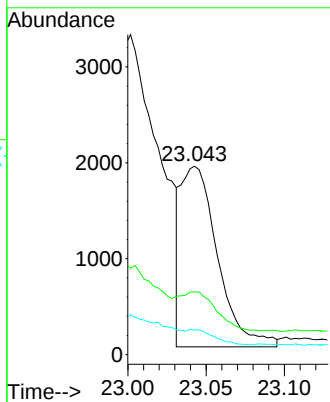
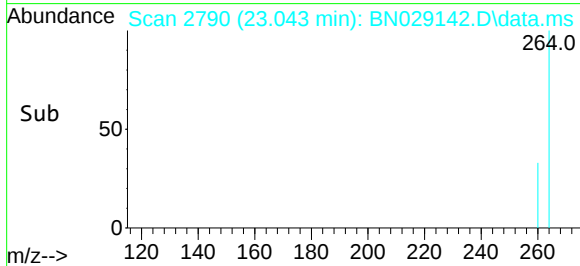
Instrument :
BNA_N
ClientSampleId :
PE-5DL



Tgt Ion:252 Resp: 305
Ion Ratio Lower Upper
252 100
253 33.3 35.0 52.6
125 13.1 14.6 21.8

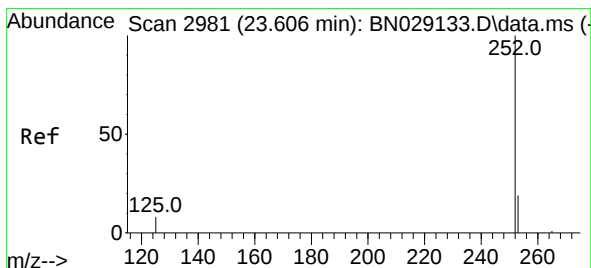
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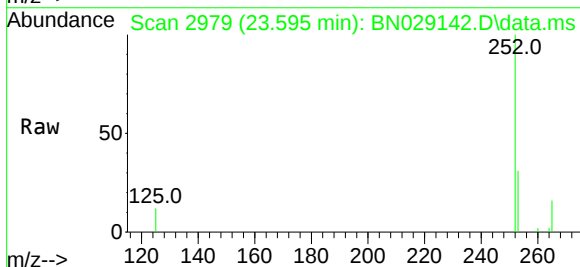


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Supervised By :mohammad
ahmed

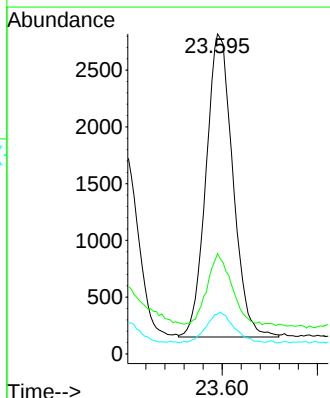
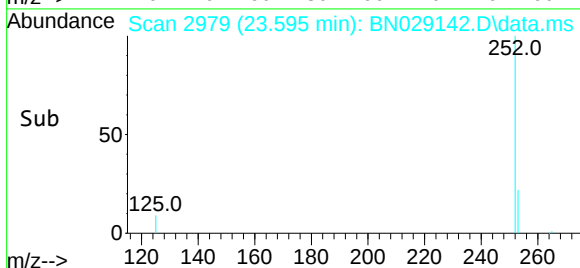
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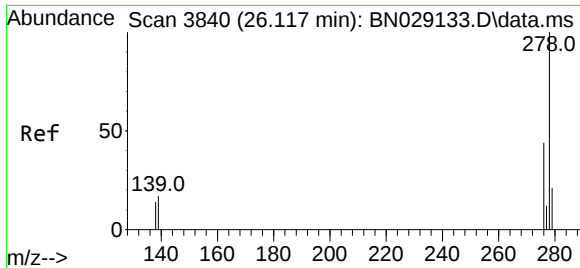


#39
Benzo(a)pyrene
Concen: 0.828 ng m
RT: 23.595 min Scan# 2979
Delta R.T. -0.011 min
Lab File: BN029142.D
Acq: 20 Dec 2023 19:36



Tgt Ion:252 Resp: 5209
Ion Ratio Lower Upper
252 100
253 31.3 40.3 60.5#
125 12.4 16.7 25.1#





#40
 Dibenzo(a,h)anthracene
 Concen: 0.140 ng
 RT: 26.089 min Scan# 3840
 Delta R.T. -0.028 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

Instrument :

BN029142.D

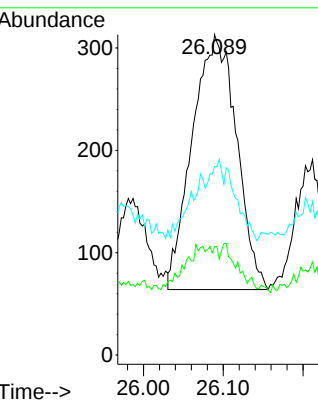
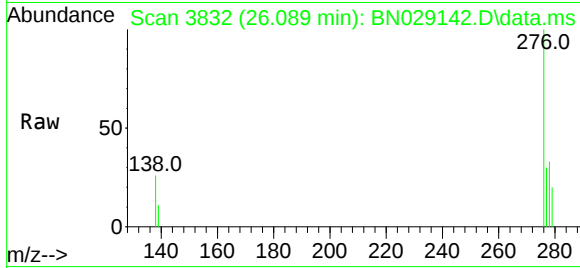
ClientSampleId :

PE-5DL

Tgt Ion:278	Resp:	958
Ion Ratio	Lower	Upper
278	100	
139	33.9	24.2 36.2
279	58.8	34.9 52.3

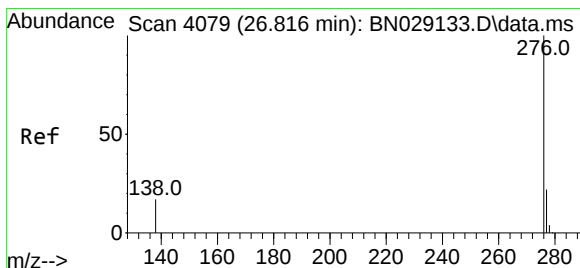
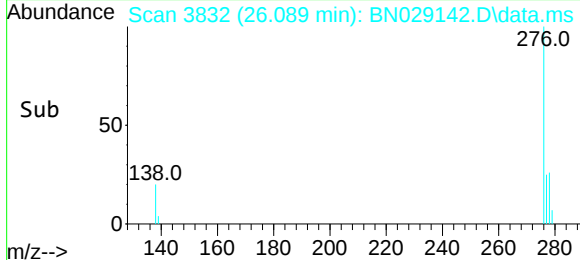
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 ahmed

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#41
 Benzo(g,h,i)perylene
 Concen: 0.415 ng
 RT: 26.802 min Scan# 4076
 Delta R.T. -0.014 min
 Lab File: BN029142.D
 Acq: 20 Dec 2023 19:36

Tgt Ion:276	Resp:	3139
Ion Ratio	Lower	Upper
276	100	
277	27.2	25.5 38.3
138	25.1	22.9 34.3

