

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028241.D
 Acq On : 11 Oct 2023 20:15
 Operator : MA/JU
 Sample : 04819-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SW-AP-01-100923-FD

Quant Time: Oct 12 04:06:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 04:03:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	2792	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	9620	0.400	ng	# 0.00
13) Acenaphthene-d10	14.566	164	6057	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	14089	0.400	ng	0.00
29) Chrysene-d12	21.524	240	13658	0.400	ng	0.00
35) Perylene-d12	23.993	264	14844	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.459	112	1030	0.124	ng	0.00
5) Phenol-d6	7.098	99	779	0.074	ng	0.00
8) Nitrobenzene-d5	9.123	82	2060	0.252	ng	0.00
11) 2-Methylnaphthalene-d10	12.321	152	4205	0.295	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	1096	0.395	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	6031	0.276	ng	0.00
27) Fluoranthene-d10	19.356	212	13913	0.393	ng	0.00
31) Terphenyl-d14	19.946	244	12151	0.381	ng	0.00
Target Compounds						
28) Fluoranthene	19.388	202	1373	0.031	ng	# 67
30) Pyrene	19.755	202	1277	0.025	ng	95
32) Benzo(a)anthracene	21.507	228	1367	0.029	ng	# 56
33) Chrysene	21.560	228	1875	0.042	ng	# 66
34) Bis(2-ethylhexyl)phtha...	21.372	149	13950	0.456	ng	99
36) Indeno(1,2,3-cd)pyrene	26.595	276	1344	0.027	ng	# 81
37) Benzo(b)fluoranthene	23.233	252	2520	0.053	ng	# 1
38) Benzo(k)fluoranthene	23.279	252	1369m	0.028	ng	

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

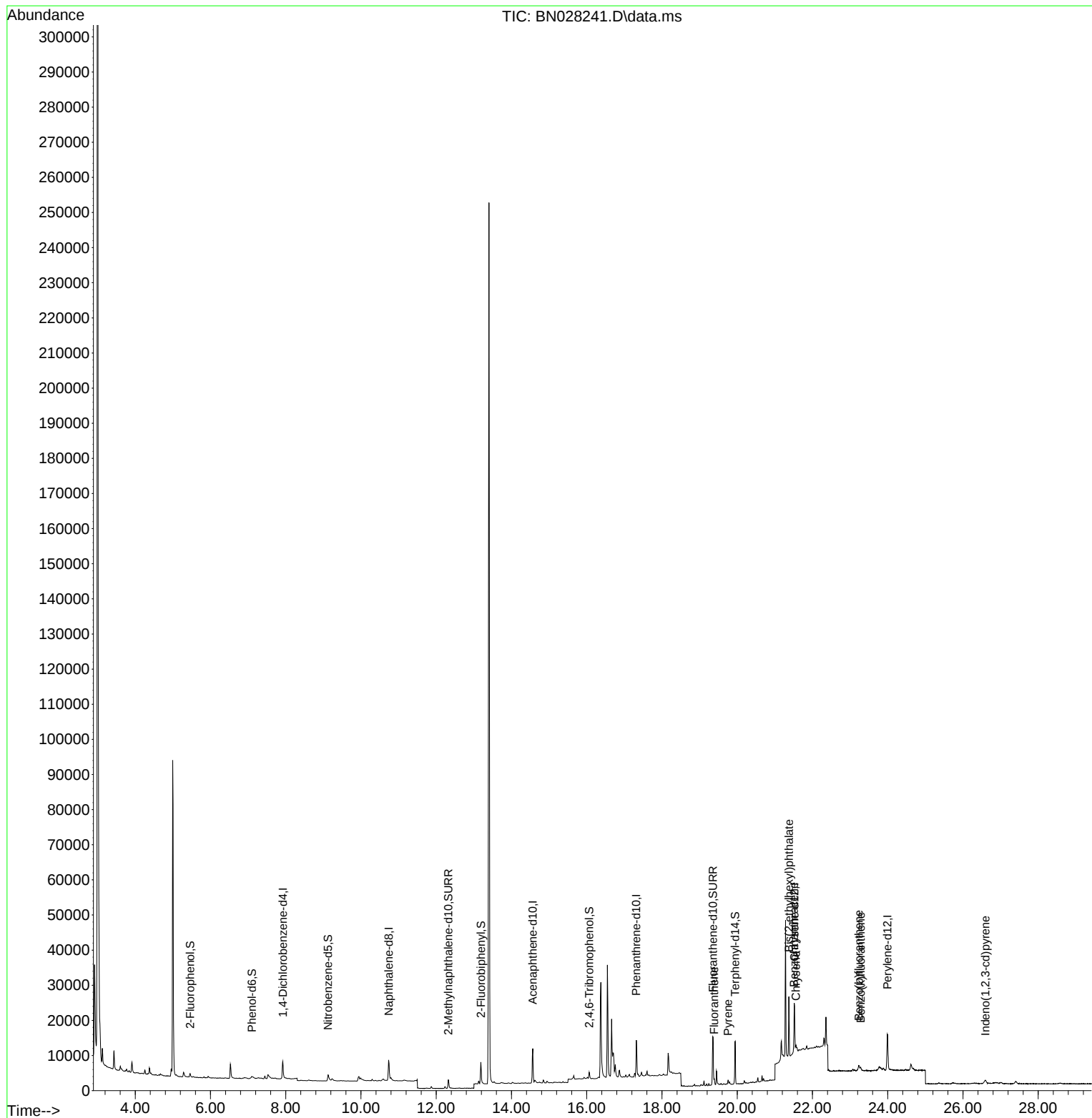
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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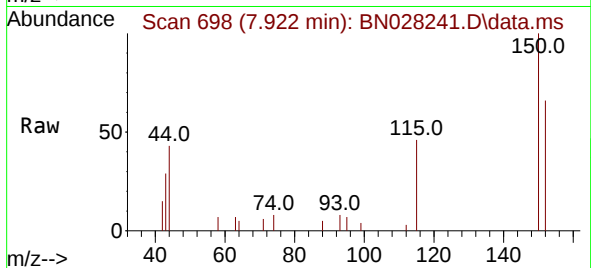
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

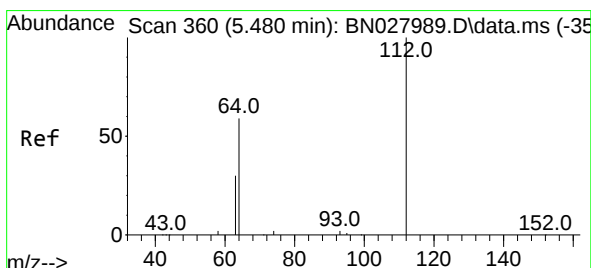
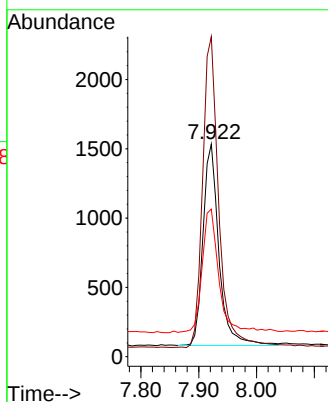
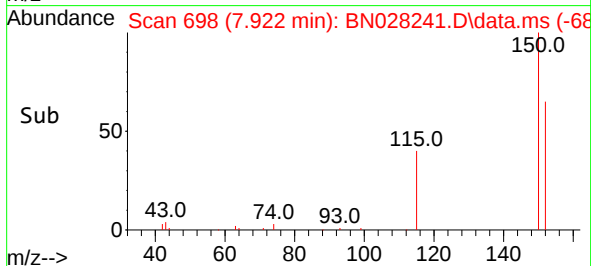
Instrument :
BNA_N
ClientSampleId :
SW-AP-01-100923-FD



Tgt Ion:152 Resp: 2792
Ion Ratio Lower Upper
152 100
150 150.5 125.6 188.4
115 69.4 54.8 82.2

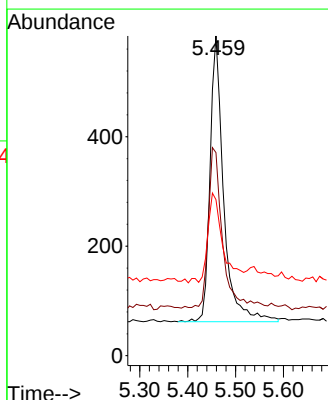
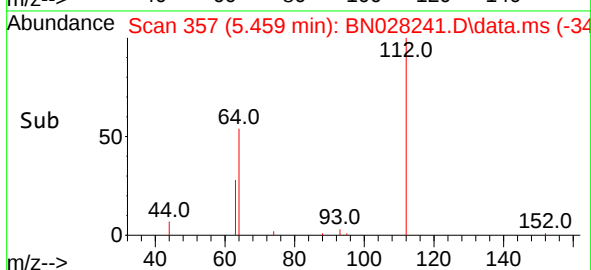
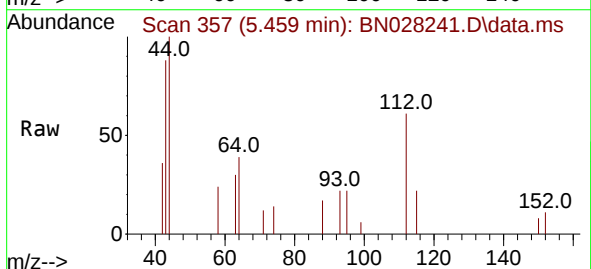
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Supervised By :mohammad ahmed 10/13/2023



#4
2-Fluorophenol
Concen: 0.124 ng
RT: 5.459 min Scan# 357
Delta R.T. -0.007 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

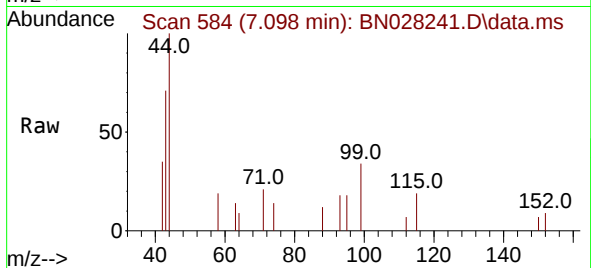
Tgt Ion:112 Resp: 1030
Ion Ratio Lower Upper
112 100
64 58.6 45.0 67.6
63 35.3 23.4 35.0#





#5
Phenol-d6
Concen: 0.074 ng
RT: 7.098 min Scan# 584
Delta R.T. 0.007 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

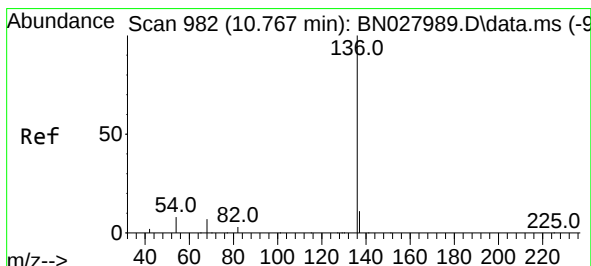
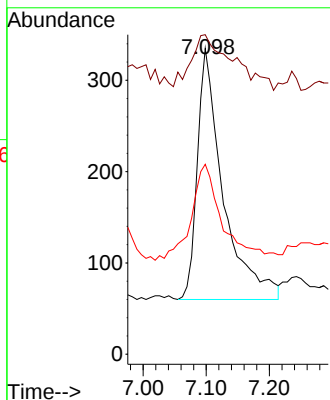
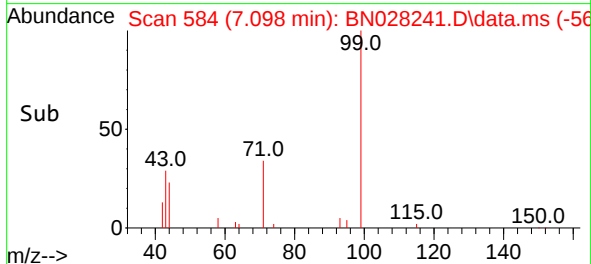
Instrument :
BNA_N
ClientSampleId :
SW-AP-01-100923-FD



Tgt Ion: 99 Resp: 779
Ion Ratio Lower Upper
99 100
42 0.0 14.6 22.0
71 46.3 28.3 42.5

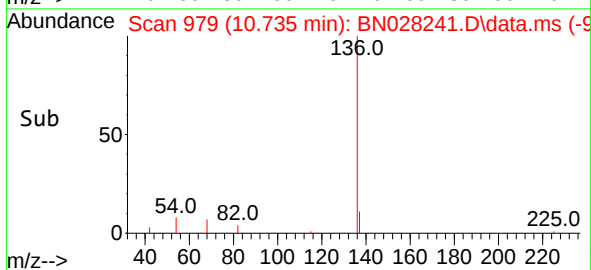
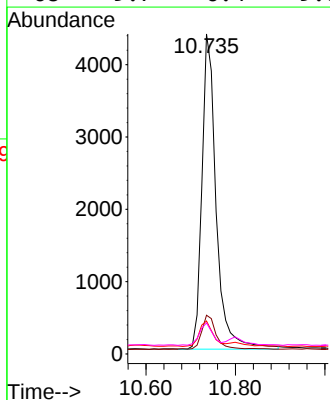
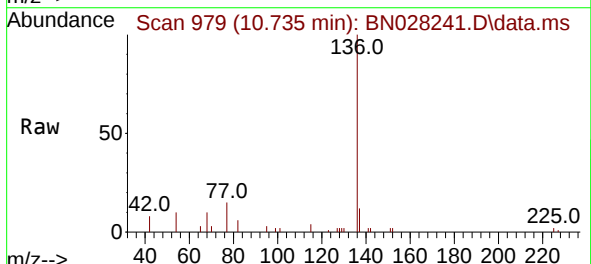
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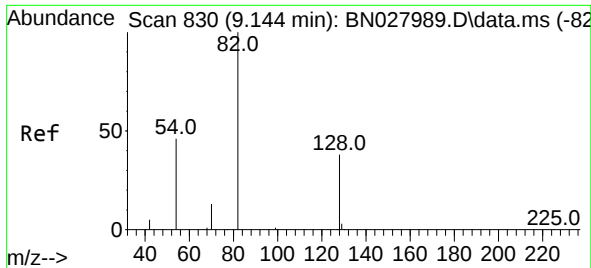
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

Tgt Ion:136 Resp: 9620
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.0
54 10.3 7.0 10.6
68 9.7 6.4 9.6





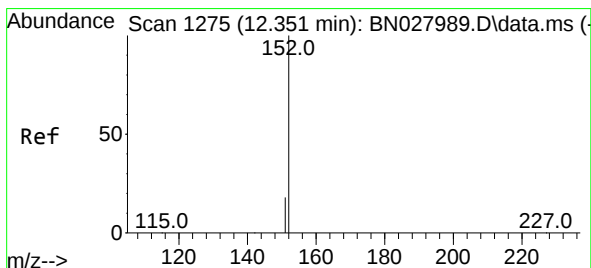
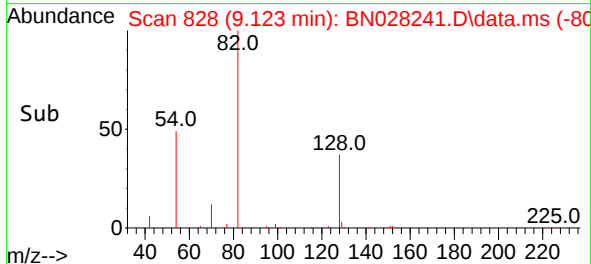
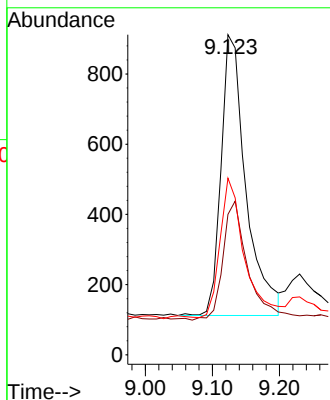
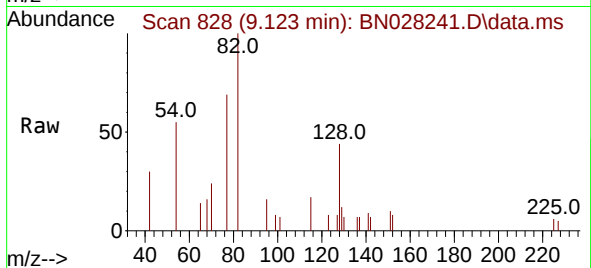
#8
Nitrobenzene-d5
Concen: 0.252 ng
RT: 9.123 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

Instrument :
BNA_N
ClientSampleId :
SW-AP-01-100923-FD

Tgt Ion: 82 Resp: 2060
Ion Ratio Lower Upper
82 100
128 43.9 32.7 49.1
54 55.2 38.7 58.1

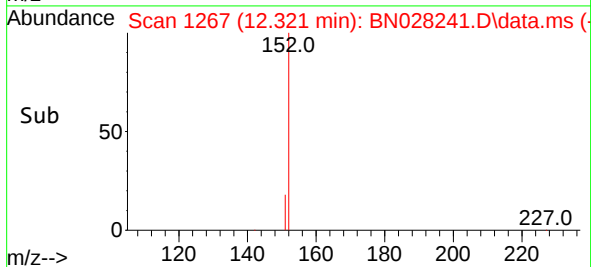
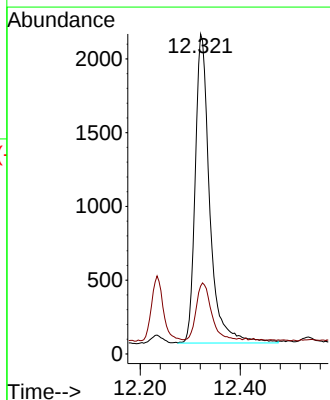
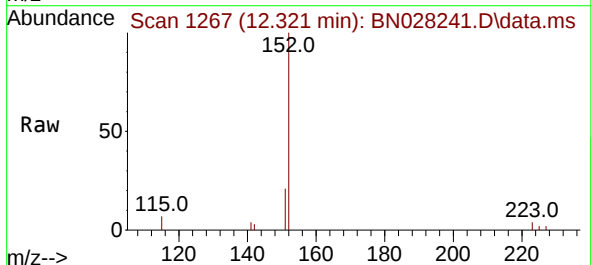
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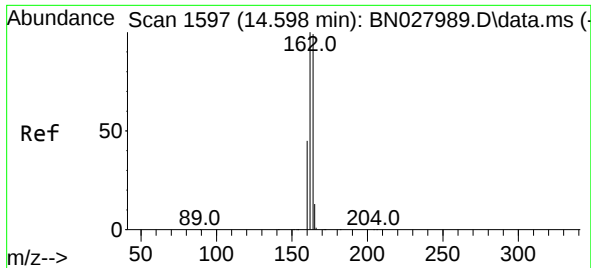
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 12.321 min Scan# 1267
Delta R.T. -0.004 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

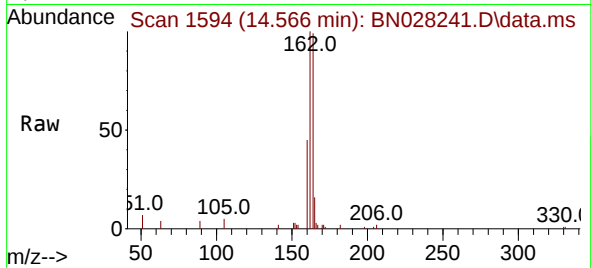
Tgt Ion:152 Resp: 4205
Ion Ratio Lower Upper
152 100
151 19.1 16.5 24.7





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

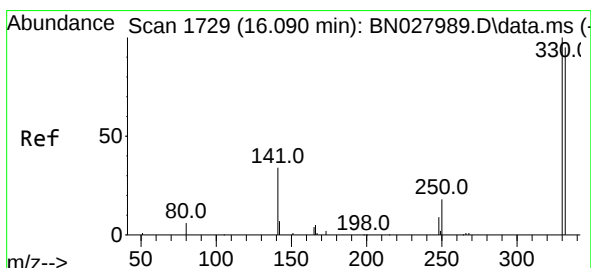
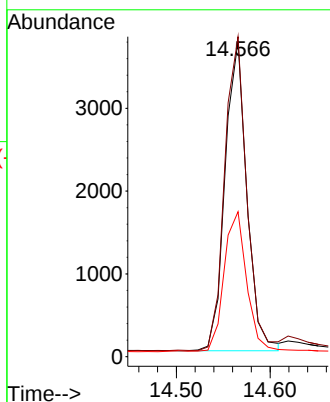
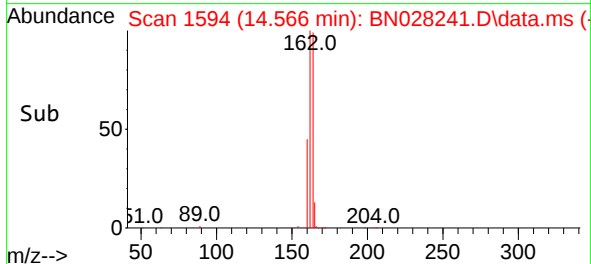
Instrument :
BNA_N
ClientSampleId :
SW-AP-01-100923-FD



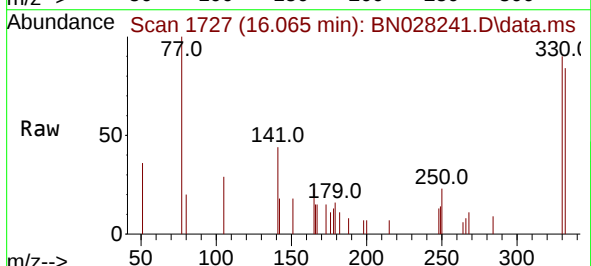
Tgt Ion:164 Resp: 605
Ion Ratio Lower Upper
164 100
162 101.3 80.8 121.2
160 45.9 36.4 54.6

Manual Integrations
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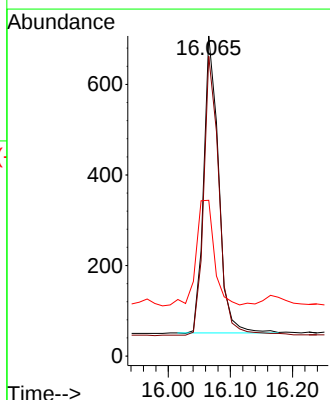
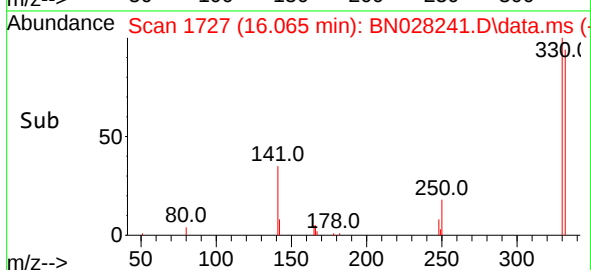
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

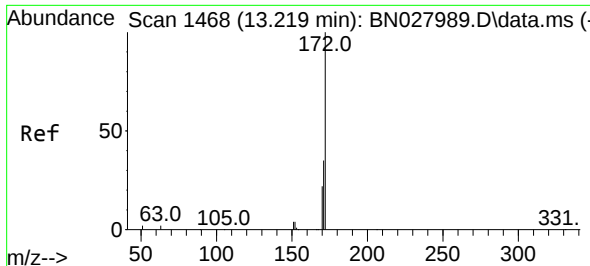


#14
2,4,6-Tribromophenol
Concen: 0.395 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15



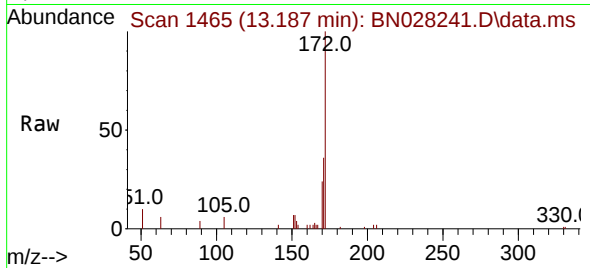
Tgt Ion:330 Resp: 1096
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 42.0 33.4 50.2





#15
2-Fluorobiphenyl
Concen: 0.276 ng
RT: 13.187 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

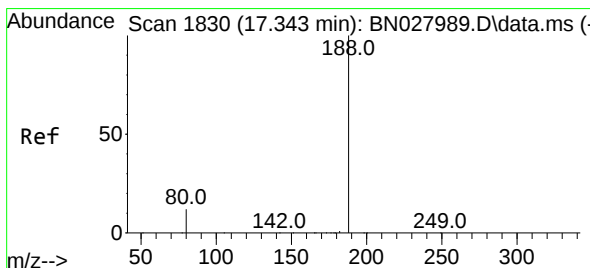
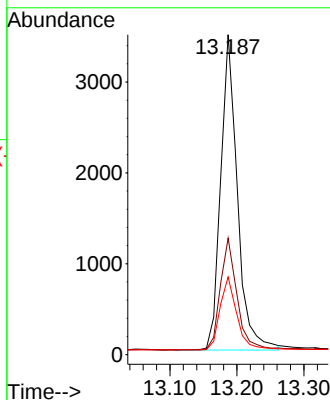
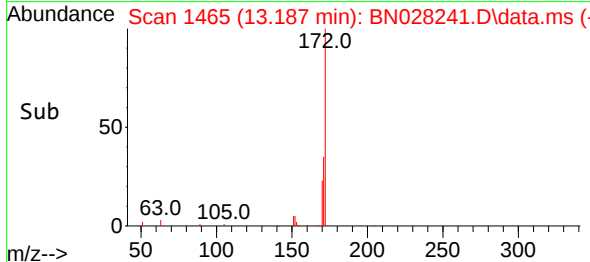
Instrument :
BNA_N
ClientSampleId :
SW-AP-01-100923-FD



Tgt Ion:172 Resp: 603
Ion Ratio Lower Upper
172 100
171 36.4 28.1 42.1
170 24.3 18.4 27.6

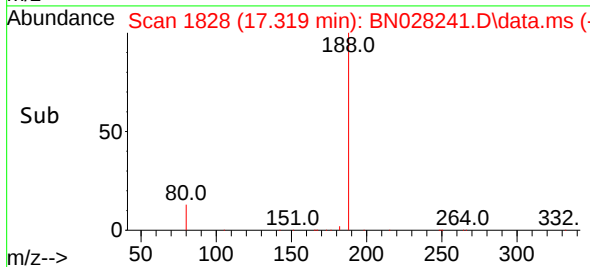
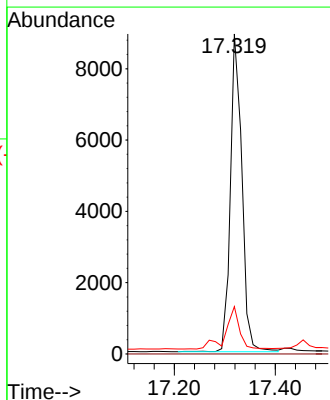
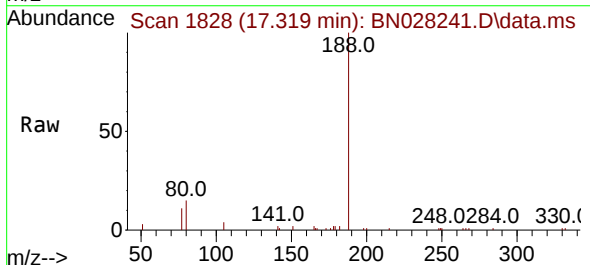
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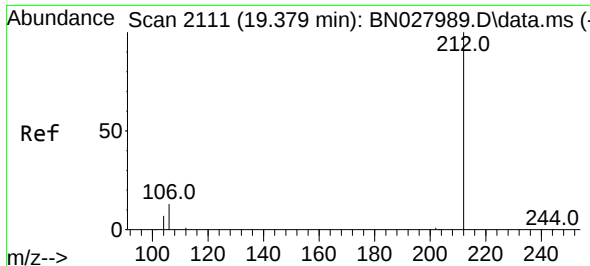
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

Tgt Ion:188 Resp: 14089
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.8 10.2 15.4





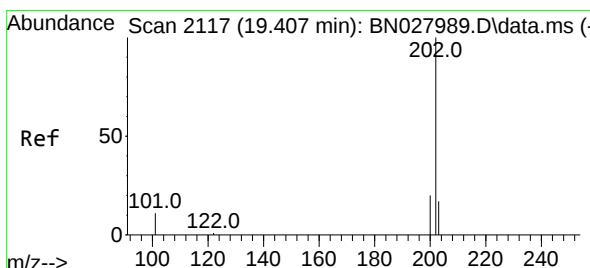
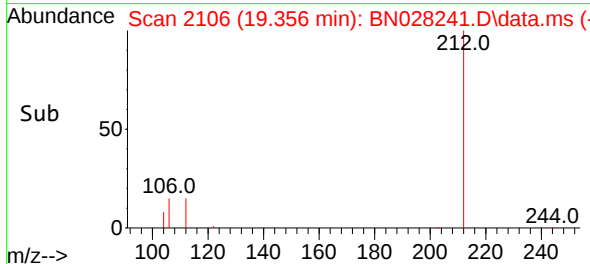
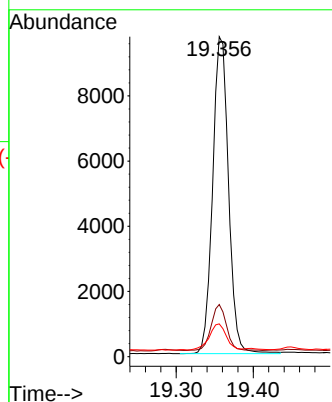
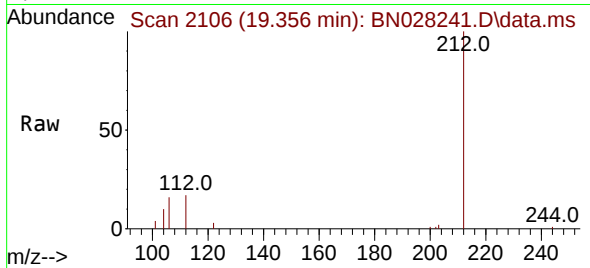
#27
Fluoranthene-d10
Concen: 0.393 ng
RT: 19.356 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

Instrument :
BNA_N
ClientSampleId :
SW-AP-01-100923-FD

Tgt Ion:212 Resp: 1391
Ion Ratio Lower Upper
212 100
106 14.1 11.3 16.9
104 8.8 6.4 9.6

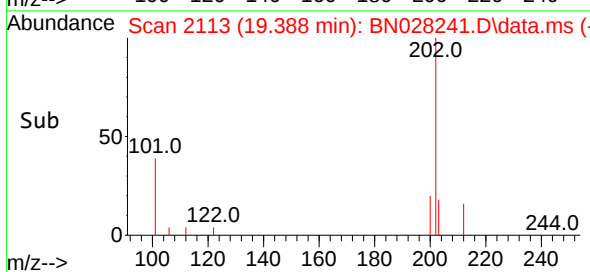
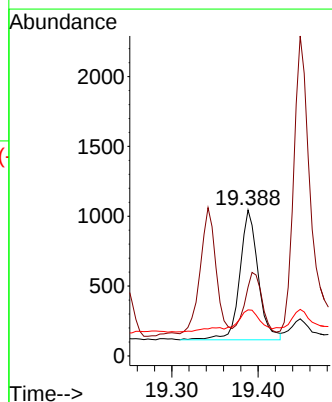
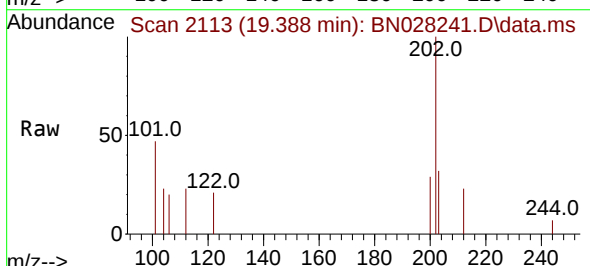
Manual Integrations
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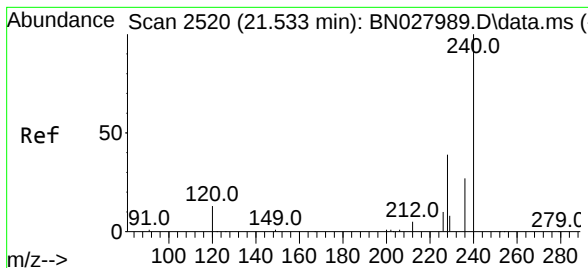
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#28
Fluoranthene
Concen: 0.031 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

Tgt Ion:202 Resp: 1373
Ion Ratio Lower Upper
202 100
101 41.1 9.8 14.6#
203 15.2 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.524 min Scan# 2152

Delta R.T. 0.009 min

Lab File: BN028241.D

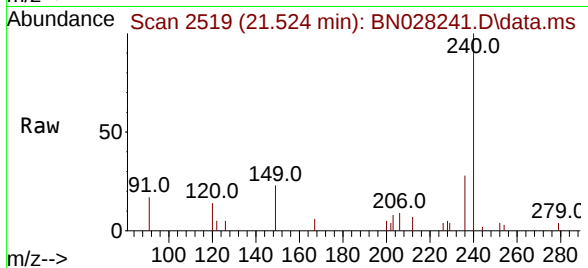
Acq: 11 Oct 2023 20:15

Instrument :

BNA_N

ClientSampleId :

SW-AP-01-100923-FD



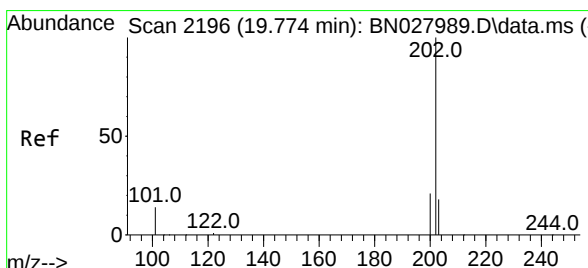
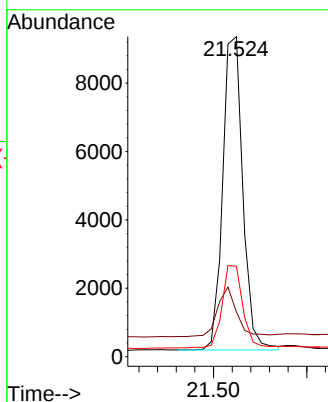
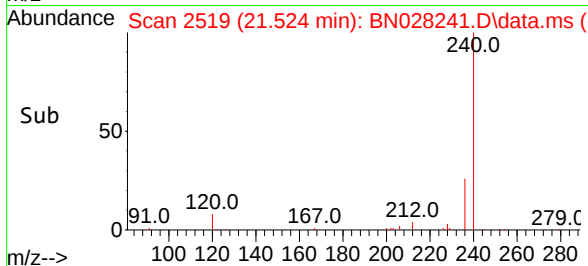
Tgt Ion:	240	Resp:	1365
Ion Ratio	Lower	Upper	
240	100		
120	14.0	13.8	20.6
236	28.2	22.6	33.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/12/2023

Supervised By :mohammad ahmed 10/13/2023



#30

Pyrene

Concen: 0.025 ng

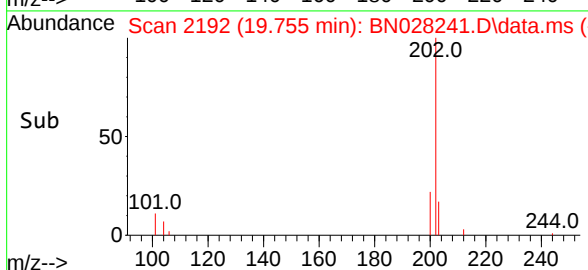
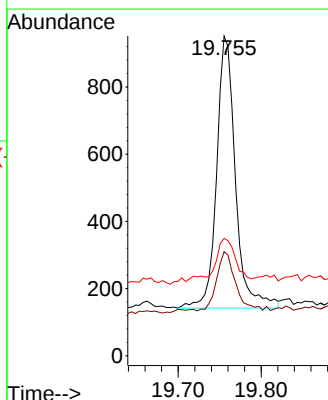
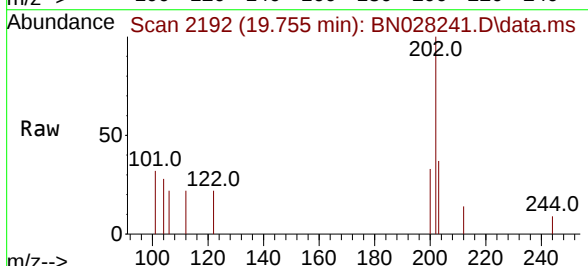
RT: 19.755 min Scan# 2192

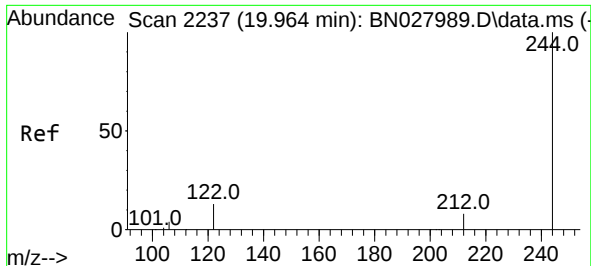
Delta R.T. 0.005 min

Lab File: BN028241.D

Acq: 11 Oct 2023 20:15

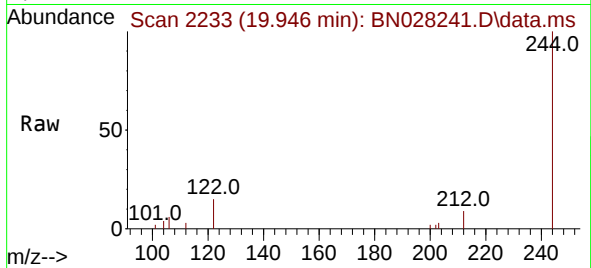
Tgt Ion:	202	Resp:	1277
Ion Ratio	Lower	Upper	
202	100		
200	22.2	16.5	24.7
203	15.3	14.7	22.1





#31
 Terphenyl-d14
 Concen: 0.381 ng
 RT: 19.946 min Scan# 2115
 Delta R.T. 0.005 min
 Lab File: BN028241.D
 Acq: 11 Oct 2023 20:15

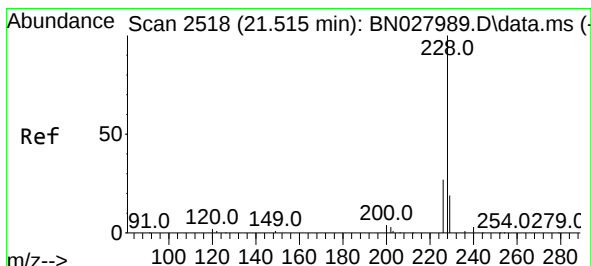
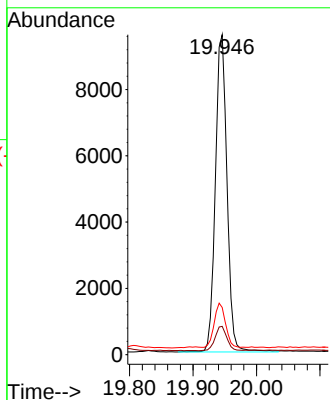
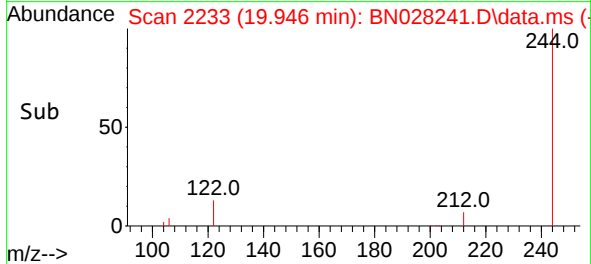
Instrument :
 BNA_N
 ClientSampleId :
 SW-AP-01-100923-FD



Tgt Ion:244 Resp: 1215
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.6 9.8
 122 14.7 11.4 17.0

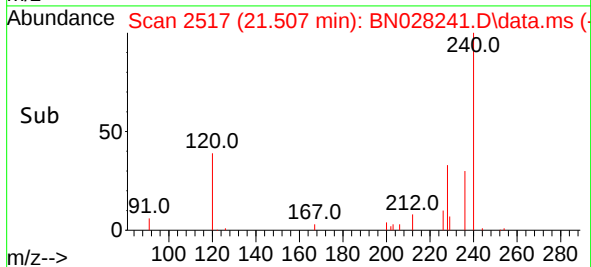
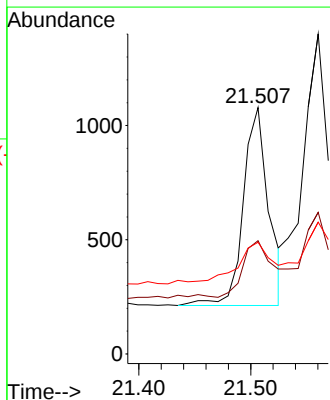
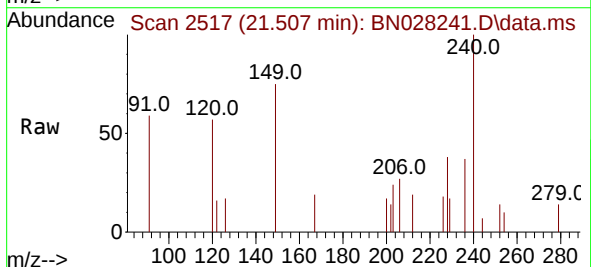
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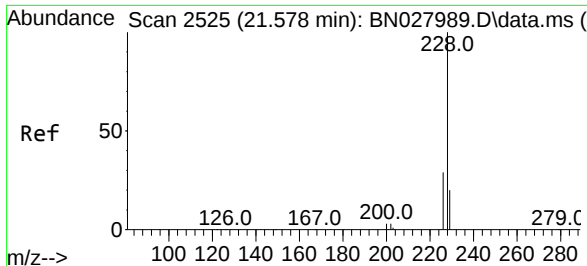
Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023



#32
 Benzo(a)anthracene
 Concen: 0.029 ng
 RT: 21.507 min Scan# 2517
 Delta R.T. 0.009 min
 Lab File: BN028241.D
 Acq: 11 Oct 2023 20:15

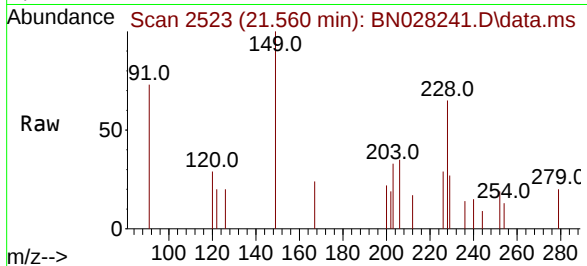
Tgt Ion:228 Resp: 1367
 Ion Ratio Lower Upper
 228 100
 226 46.0 22.0 33.0#
 229 45.3 16.0 24.0#





#33
Chrysene
Concen: 0.042 ng
RT: 21.560 min Scan# 2150
Delta R.T. 0.009 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

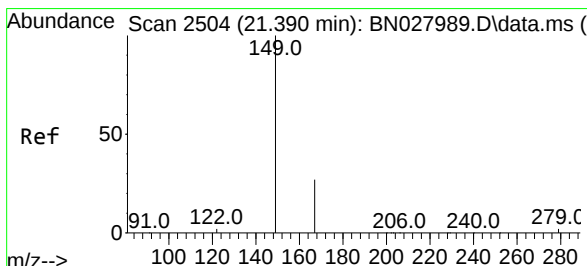
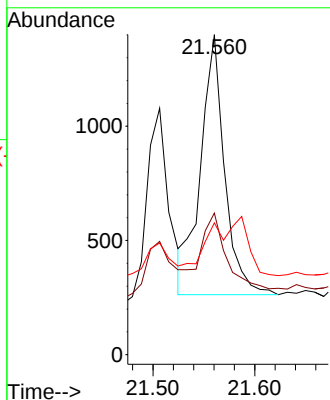
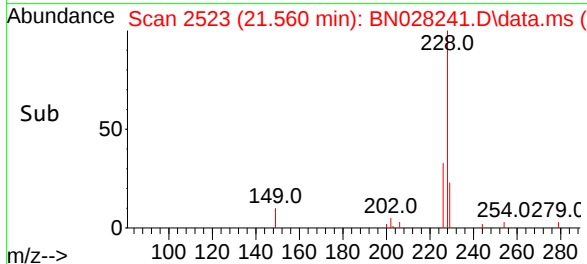
Instrument :
BNA_N
ClientSampleId :
SW-AP-01-100923-FD



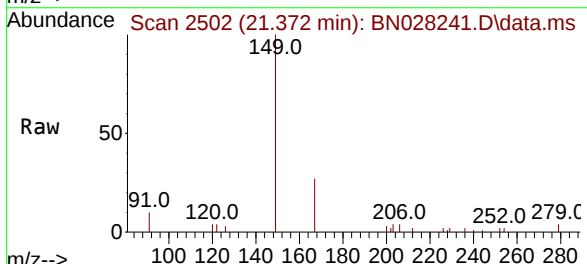
Tgt Ion:228 Resp: 1879
Ion Ratio Lower Upper
228 100
226 44.3 23.8 35.8
229 41.2 16.6 25.0

Manual Integrations
APPROVED

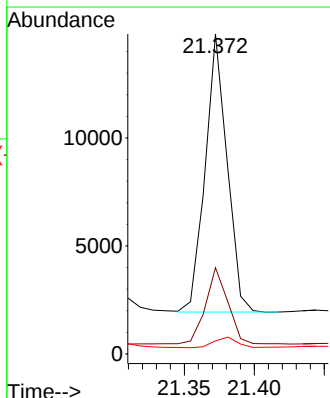
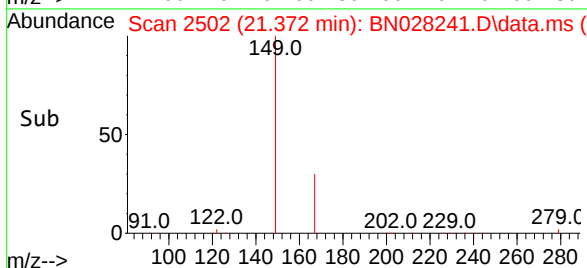
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

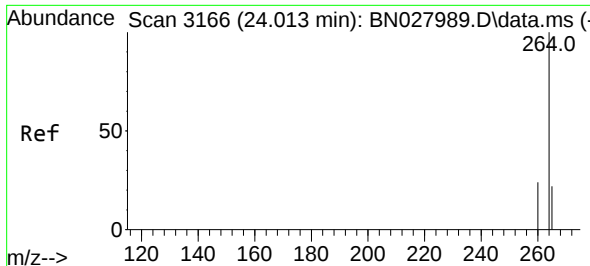


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.456 ng
RT: 21.372 min Scan# 2502
Delta R.T. 0.009 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15



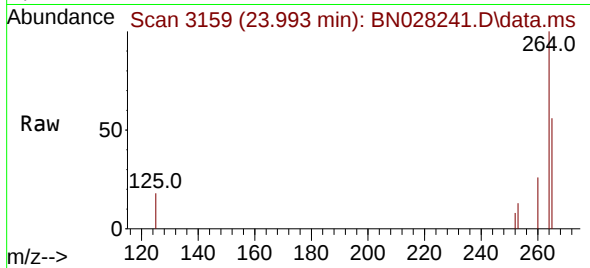
Tgt Ion:149 Resp: 13950
Ion Ratio Lower Upper
149 100
167 28.3 22.1 33.1
279 4.0 3.4 5.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.993 min Scan# 3166
Delta R.T. 0.018 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

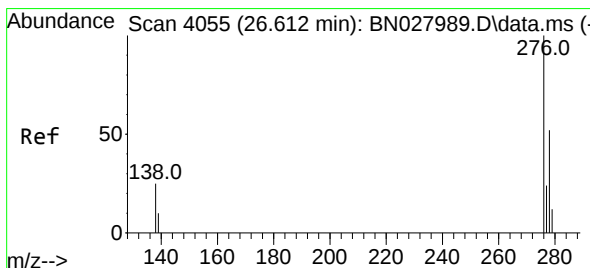
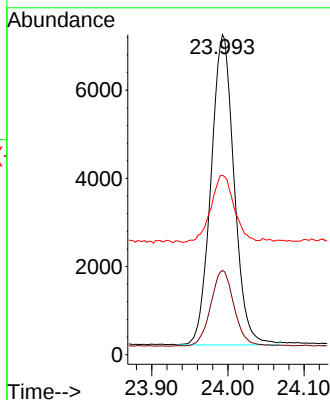
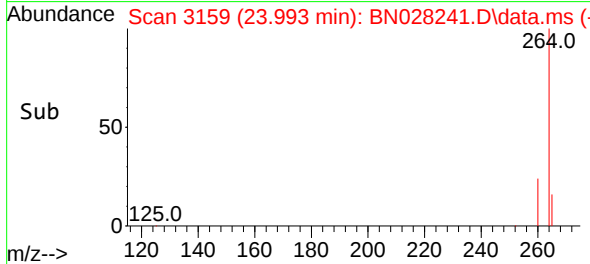
Instrument :
BNA_N
ClientSampleId :
SW-AP-01-100923-FD



Tgt Ion:264 Resp: 1484
Ion Ratio Lower Upper
264 100
260 26.3 20.2 30.4
265 56.1 54.8 82.2

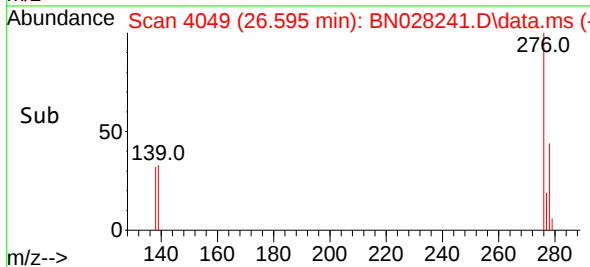
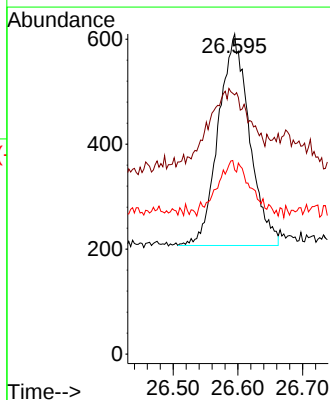
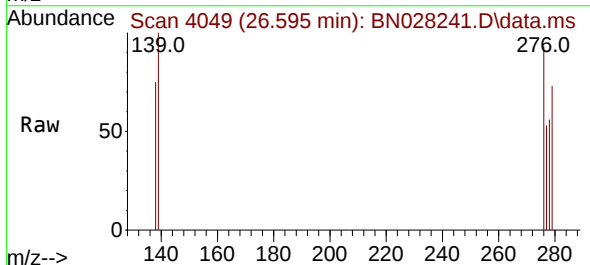
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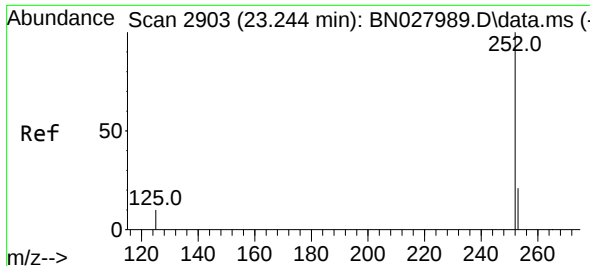
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.027 ng
RT: 26.595 min Scan# 4049
Delta R.T. 0.038 min
Lab File: BN028241.D
Acq: 11 Oct 2023 20:15

Tgt Ion:276 Resp: 1344
Ion Ratio Lower Upper
276 100
138 20.3 20.9 31.3#
277 11.2 19.8 29.6#





#37

Benzo(b)fluoranthene

Concen: 0.053 ng

RT: 23.233 min Scan# 2903

Delta R.T. 0.021 min

Lab File: BN028241.D

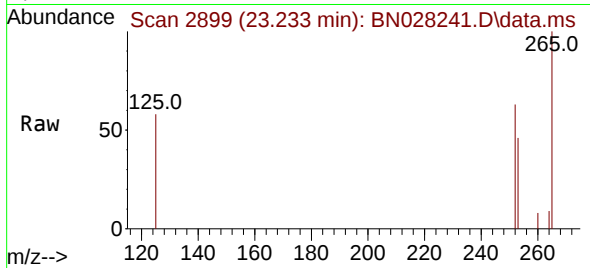
Acq: 11 Oct 2023 20:15

Instrument :

BNA_N

ClientSampleId :

SW-AP-01-100923-FD



Tgt Ion:252 Resp: 2520

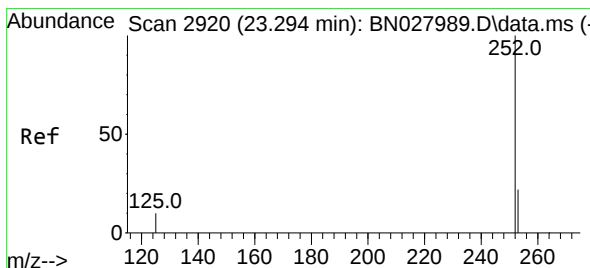
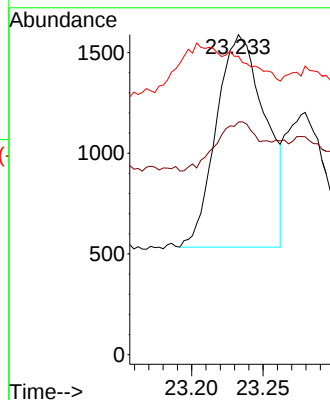
Ion	Ratio	Lower	Upper
252	100		
253	72.7	22.9	34.3#
125	93.3	13.8	20.8#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/12/2023

Supervised By :mohammad ahmed 10/13/2023



#38

Benzo(k)fluoranthene

Concen: 0.028 ng m

RT: 23.279 min Scan# 2915

Delta R.T. 0.018 min

Lab File: BN028241.D

Acq: 11 Oct 2023 20:15

Tgt Ion:252 Resp: 1369

Ion	Ratio	Lower	Upper
252	100		
253	89.9	23.1	34.7#
125	119.1	13.8	20.8#

