

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033569.D
 Acq On : 23 Aug 2024 01:41
 Operator : MA/JU
 Sample : P3671-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-928-KI-SO-0-0.5-081924

Quant Time: Aug 23 02:37:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8106	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	21263	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10490	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20512	0.400	ng	0.00
29) Chrysene-d12	21.139	240	15408	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	17341	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4125	0.160	ng	0.00
5) Phenol-d6	6.729	99	5024	0.164	ng	0.00
8) Nitrobenzene-d5	8.681	82	3434	0.195	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	4545	0.149	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	810	0.144	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6379	0.149	ng	0.00
27) Fluoranthene-d10	18.970	212	6326	0.128	ng	0.00
31) Terphenyl-d14	19.584	244	4283	0.122	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	13.900	152	1331	0.029	ng	98
25) Phenanthrene	16.967	178	10734m	0.188	ng	
26) Anthracene	17.066	178	1598	0.032	ng	# 91
28) Fluoranthene	19.003	202	26129	0.414	ng	99
30) Pyrene	19.365	202	22828	0.332	ng	# 95
32) Benzo(a)anthracene	21.122	228	10402	0.187	ng	93
33) Chrysene	21.175	228	13676	0.247	ng	96
34) Bis(2-ethylhexyl)phtha...	21.077	149	2334m	0.066	ng	
36) Indeno(1,2,3-cd)pyrene	25.446	276	9755	0.136	ng	95
37) Benzo(b)fluoranthene	22.657	252	19653	0.303	ng	# 89
38) Benzo(k)fluoranthene	22.698	252	7351m	0.115	ng	
39) Benzo(a)pyrene	23.206	252	12177	0.227	ng	# 87
40) Dibenzo(a,h)anthracene	25.461	278	2251	0.039	ng	# 41
41) Benzo(g,h,i)perylene	26.104	276	10031	0.163	ng	92

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

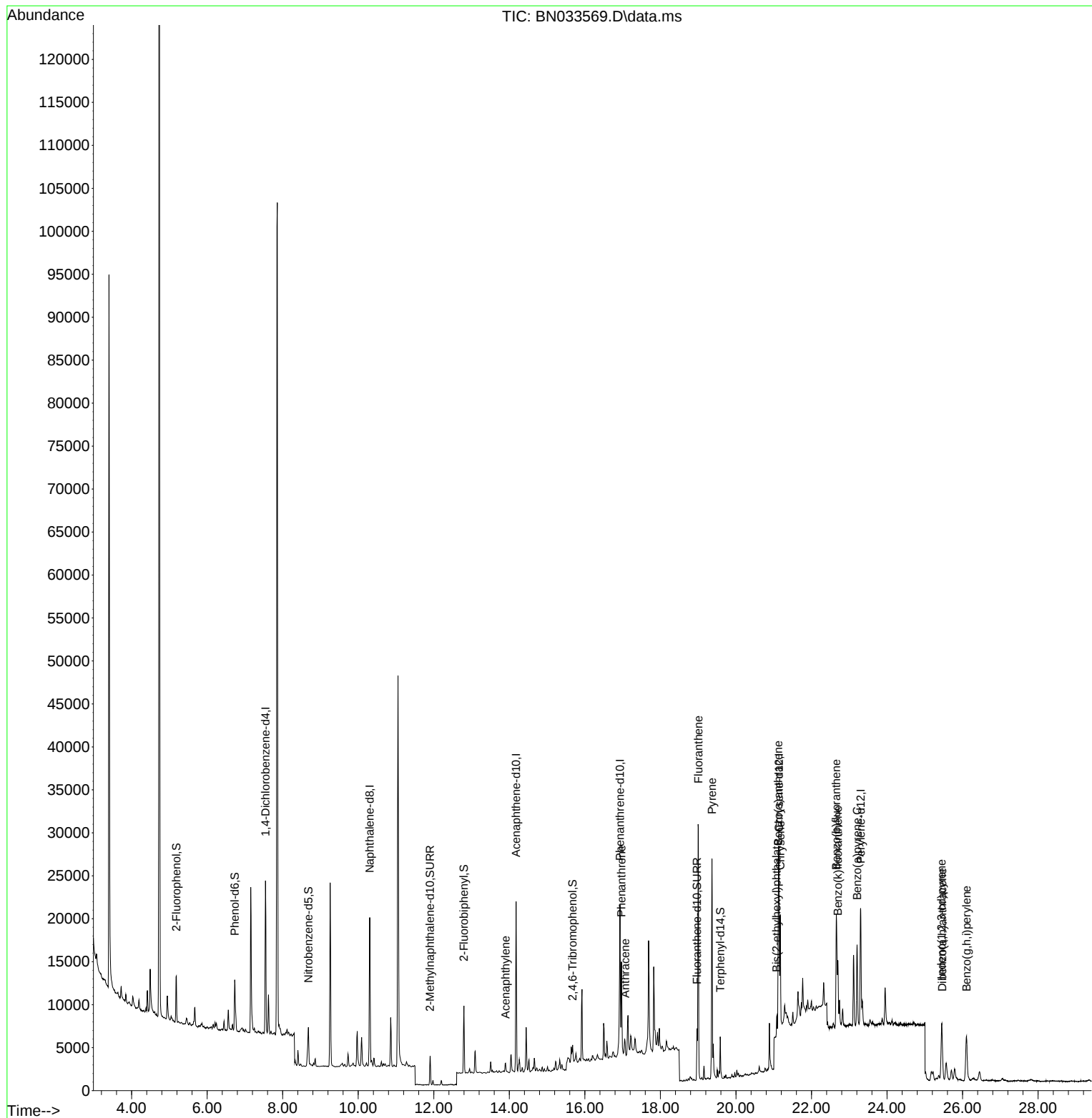
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033569.D
Acq On : 23 Aug 2024 01:41
Operator : MA/JU
Sample : P3671-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Quant Time: Aug 23 02:37:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 00:22:18 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

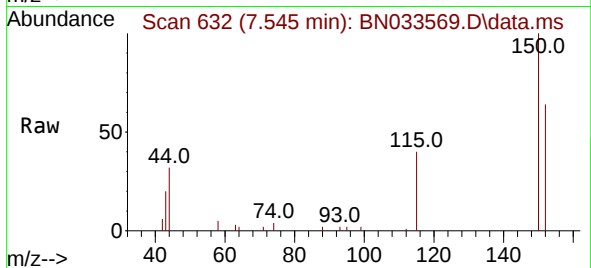
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

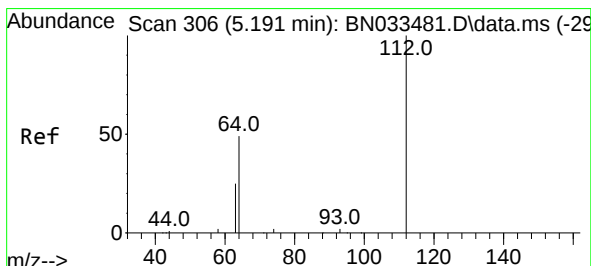
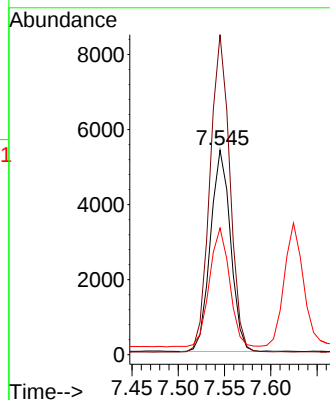
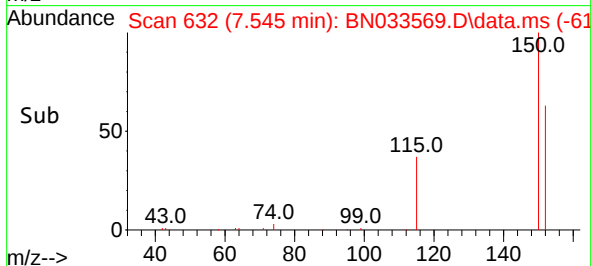
Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924



Tgt Ion:152 Resp: 8100
Ion Ratio Lower Upper
152 100
150 156.4 122.2 183.2
115 61.9 47.2 70.8

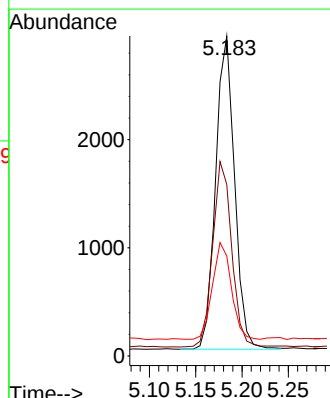
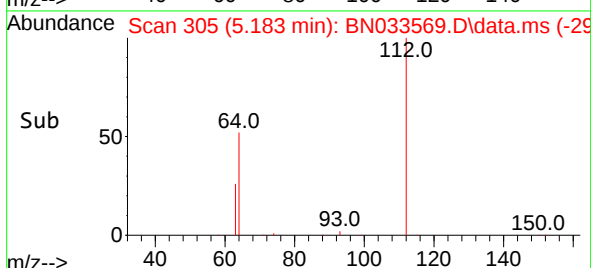
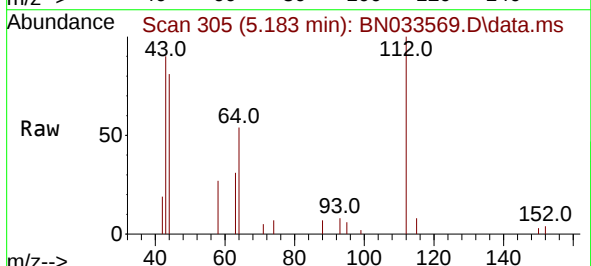
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

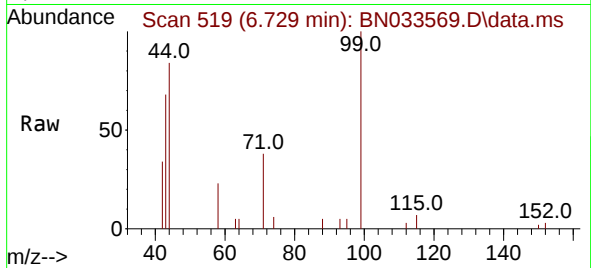
Tgt Ion:112 Resp: 4125
Ion Ratio Lower Upper
112 100
64 59.8 47.1 70.7
63 30.6 24.9 37.3





#5
Phenol-d6
Concen: 0.164 ng
RT: 6.729 min Scan# 519
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

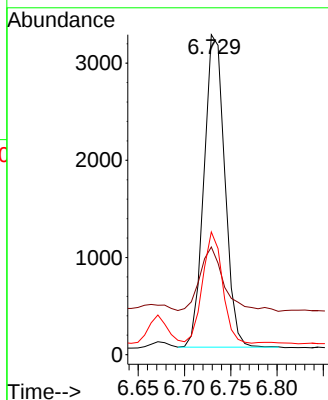
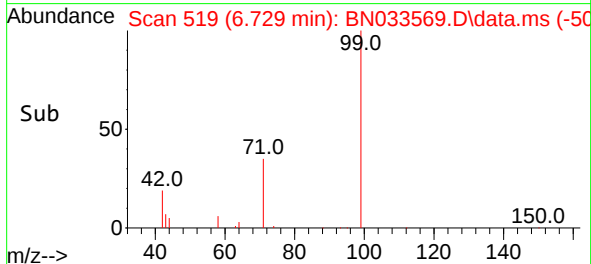
Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924



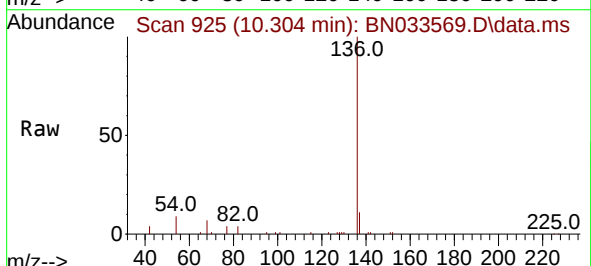
Tgt Ion: 99 Resp: 5024
Ion Ratio Lower Upper
99 100
42 23.9 16.6 24.8
71 33.9 26.2 39.4

Manual Integrations
APPROVED

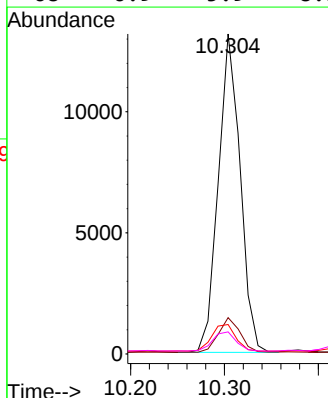
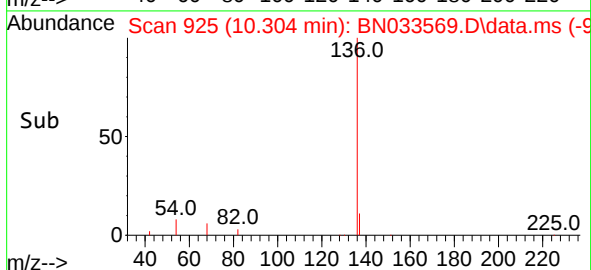
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

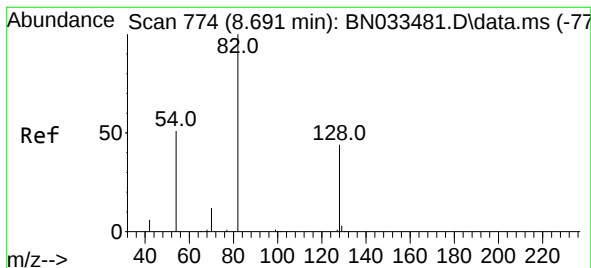


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41



Tgt Ion:136 Resp: 21263
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.2 8.3 12.5
68 6.9 5.9 8.9





#8

Nitrobenzene-d5

Concen: 0.195 ng

RT: 8.681 min Scan# 71

Delta R.T. 0.000 min

Lab File: BN033569.D

Acq: 23 Aug 2024 01:41

Instrument :

BNA_N

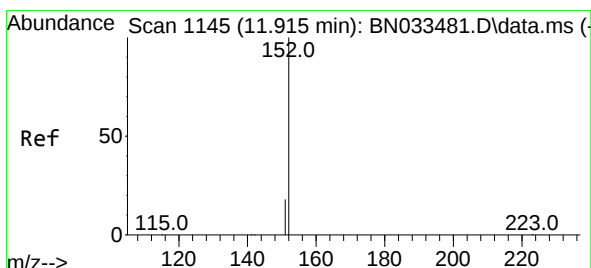
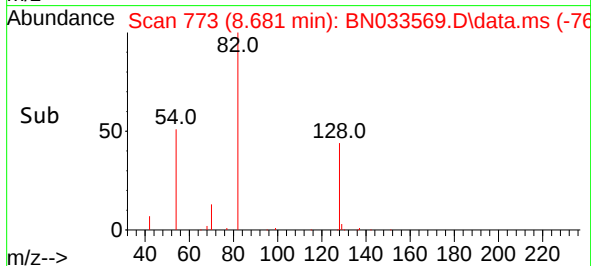
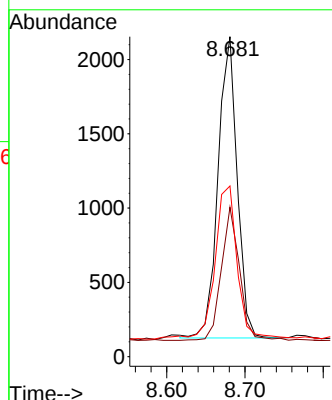
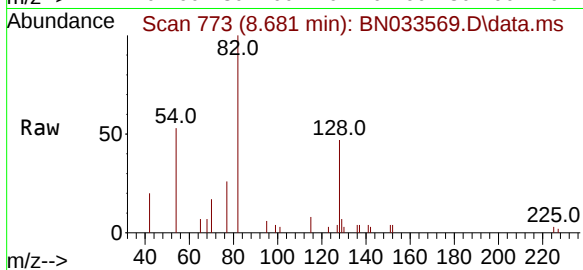
ClientSampleId :

S-928-KI-SO-0-0.5-081924

Tgt Ion:	82	Resp:	343
Ion Ratio	Lower	Upper	
82	100		
128	46.7	36.0	54.0
54	53.3	42.0	63.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#11

2-Methylnaphthalene-d10

Concen: 0.149 ng

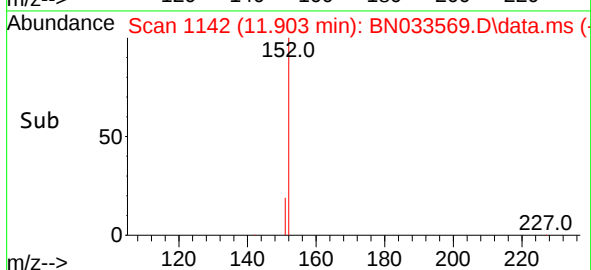
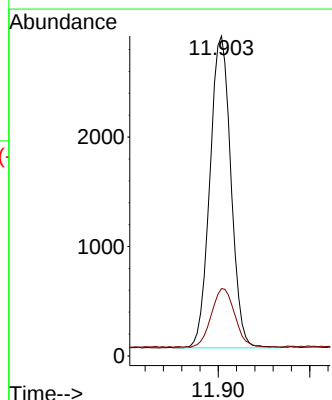
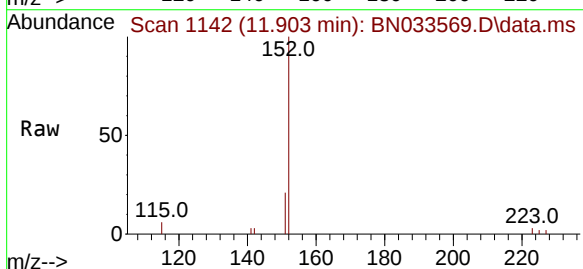
RT: 11.903 min Scan# 1142

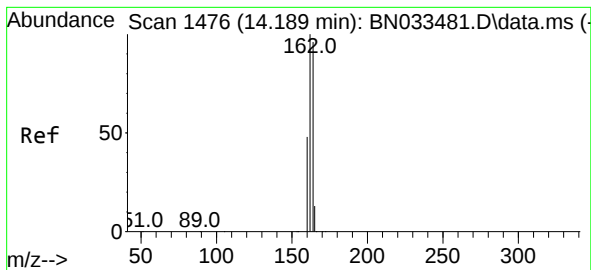
Delta R.T. 0.000 min

Lab File: BN033569.D

Acq: 23 Aug 2024 01:41

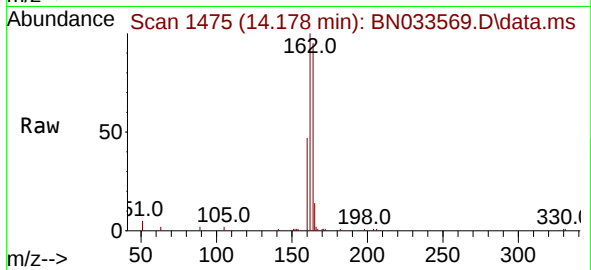
Tgt Ion:	152	Resp:	4545
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.6	25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

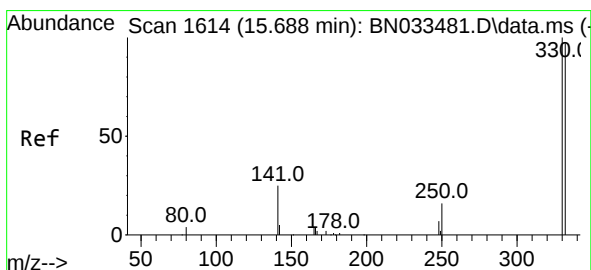
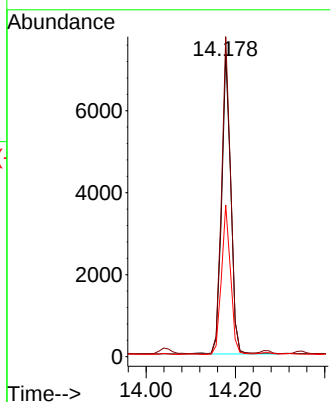
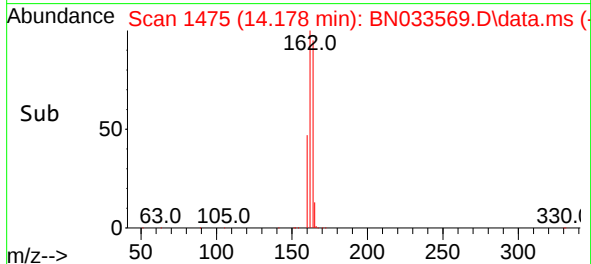
Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924



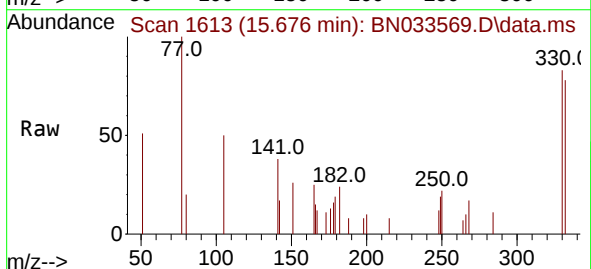
Tgt Ion:164 Resp: 10490
Ion Ratio Lower Upper
164 100
162 105.6 83.5 125.3
160 50.1 40.2 60.4

Manual Integrations
APPROVED

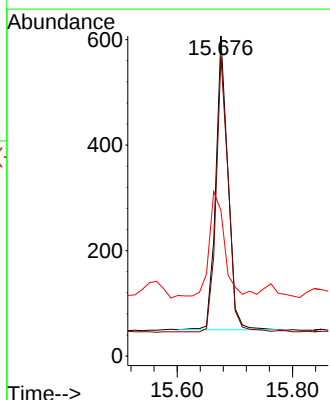
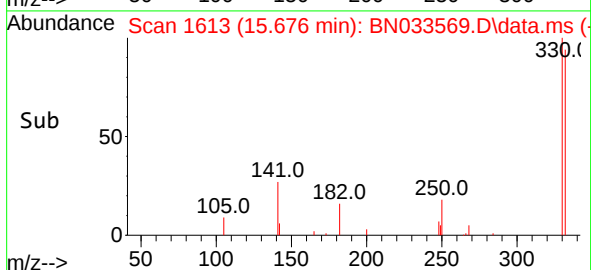
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

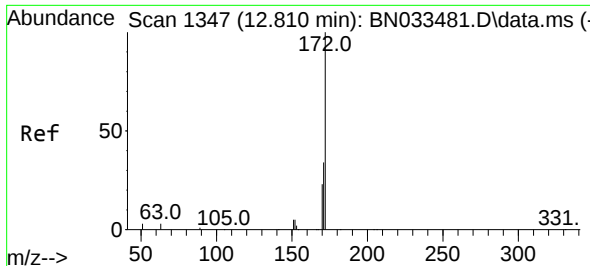


#14
2,4,6-Tribromophenol
Concen: 0.144 ng
RT: 15.676 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41



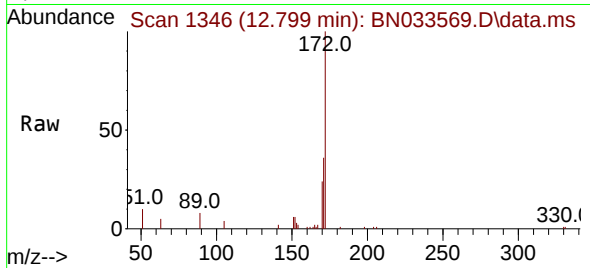
Tgt Ion:330 Resp: 810
Ion Ratio Lower Upper
330 100
332 94.6 77.5 116.3
141 44.2 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.149 ng
RT: 12.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

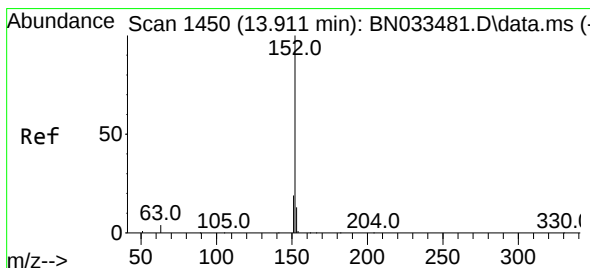
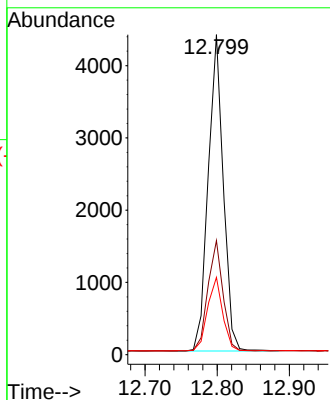
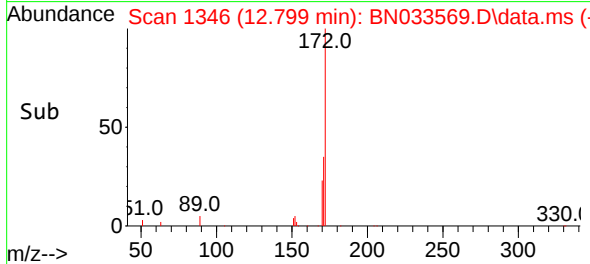
Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924



Tgt Ion:172 Resp: 6379
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 24.2 18.3 27.5

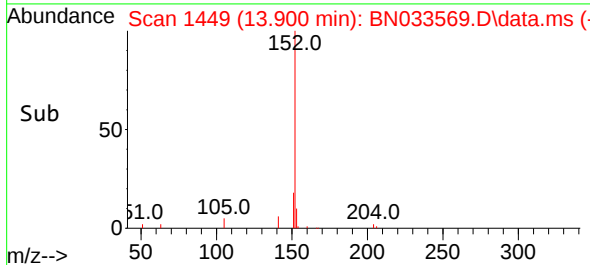
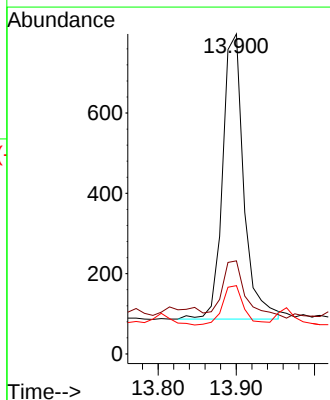
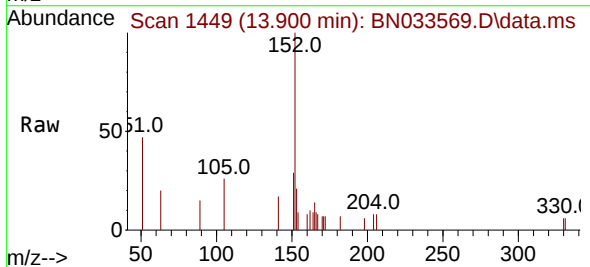
Manual Integrations
APPROVED

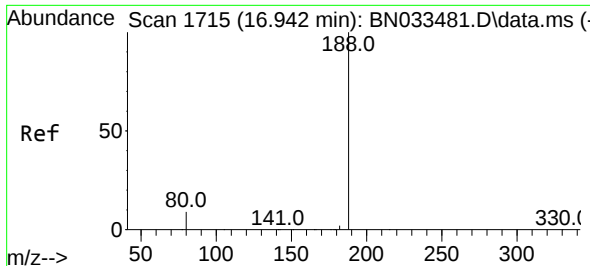
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.029 ng
RT: 13.900 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

Tgt Ion:152 Resp: 1331
Ion Ratio Lower Upper
152 100
151 18.8 15.7 23.5
153 14.2 10.3 15.5





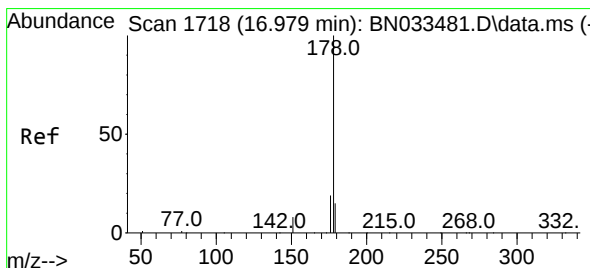
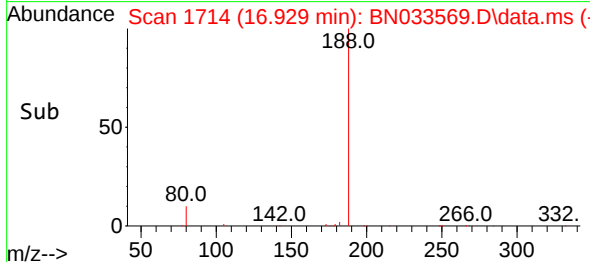
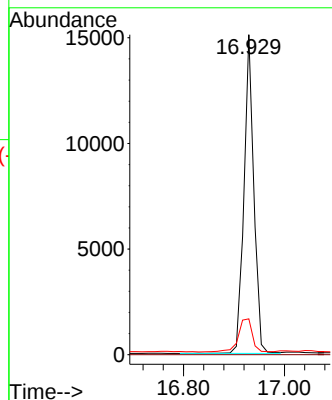
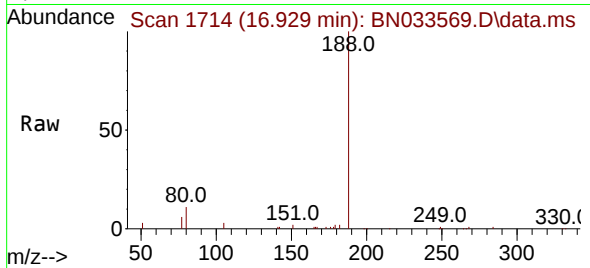
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Tgt Ion:188 Resp: 20512
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.2 7.8 11.8

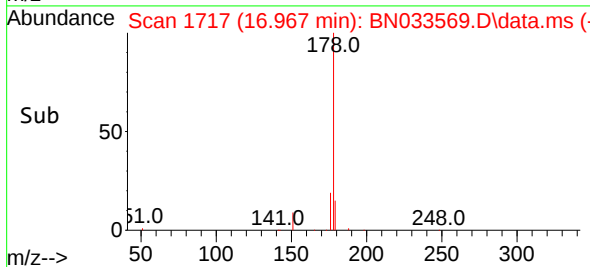
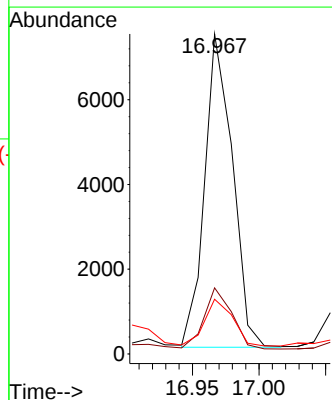
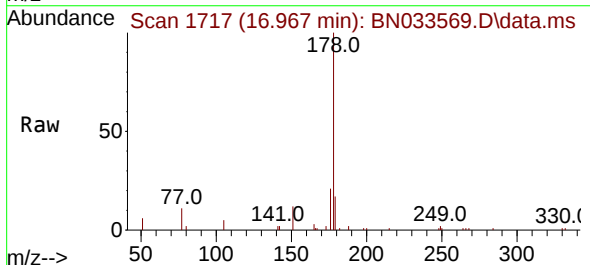
Manual Integrations
APPROVED

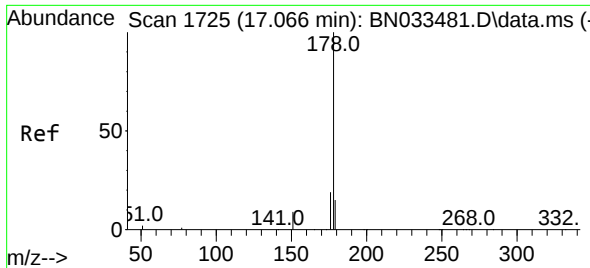
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#25
Phenanthrene
Concen: 0.188 ng m
RT: 16.967 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

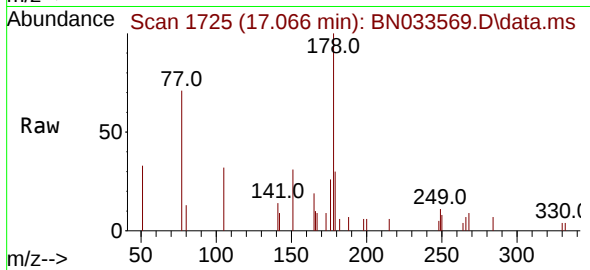
Tgt Ion:178 Resp: 10734
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.0 12.3 18.5





#26
 Anthracene
 Concen: 0.032 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. 0.000 min
 Lab File: BN033569.D
 Acq: 23 Aug 2024 01:41

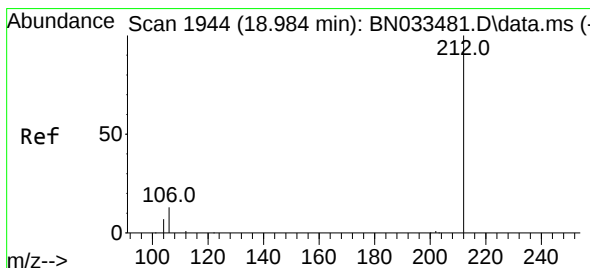
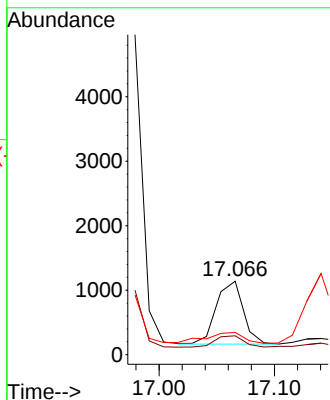
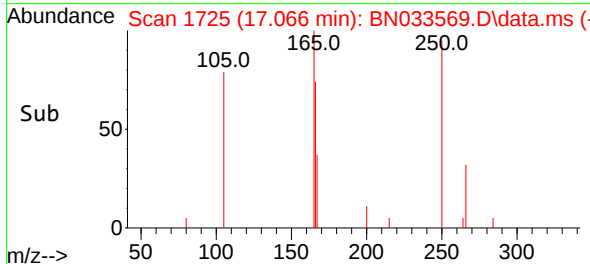
Instrument :
 BNA_N
 ClientSampleId :
 S-928-KI-SO-0-0.5-081924



Tgt Ion:178 Resp: 1598
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 23.8 12.4 18.6

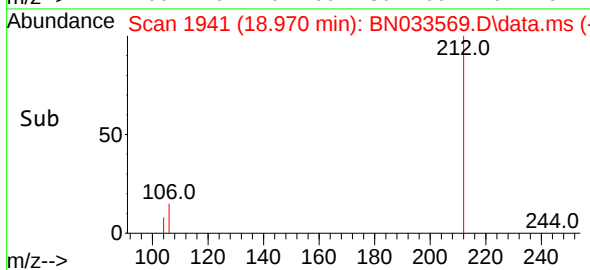
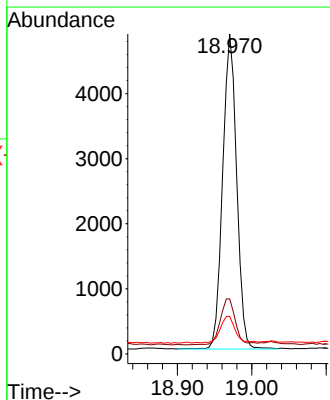
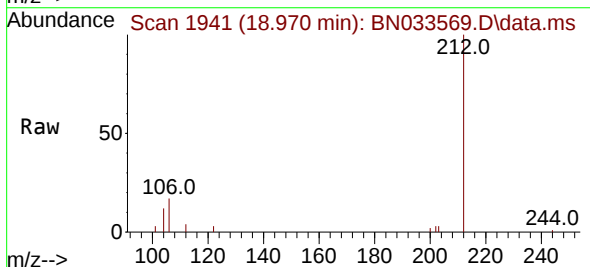
Manual Integrations
 APPROVED

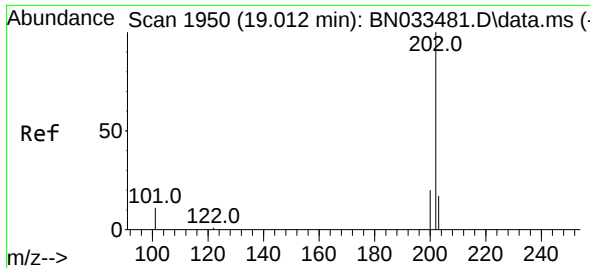
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.128 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. 0.000 min
 Lab File: BN033569.D
 Acq: 23 Aug 2024 01:41

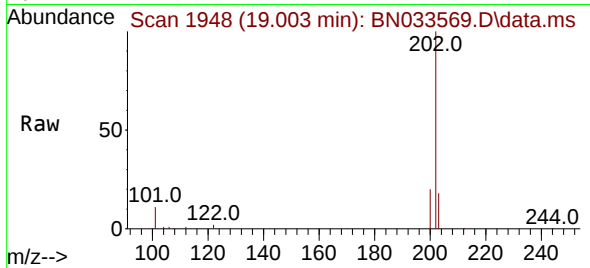
Tgt Ion:212 Resp: 6326
 Ion Ratio Lower Upper
 212 100
 106 15.9 12.3 18.5
 104 9.4 7.0 10.4





#28
Fluoranthene
Concen: 0.414 ng
RT: 19.003 min Scan# 1903
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

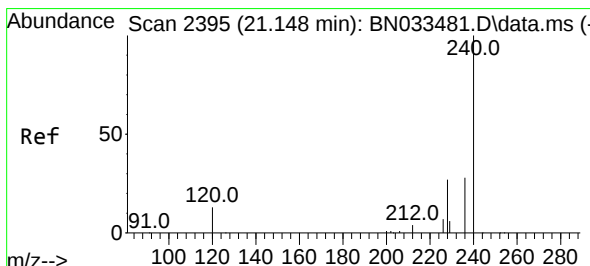
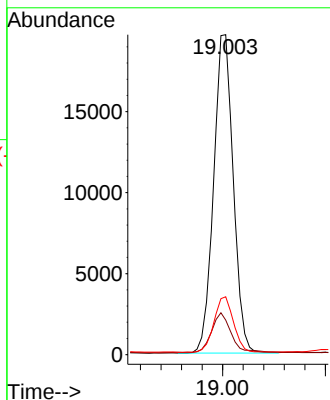
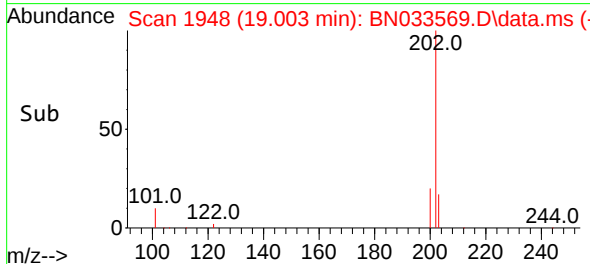
Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924



Tgt Ion:202 Resp: 26129
Ion Ratio Lower Upper
202 100
101 13.0 9.5 14.3
203 17.3 13.8 20.6

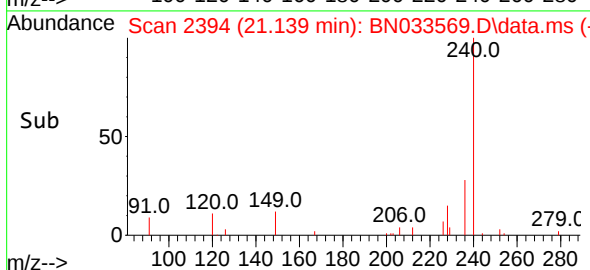
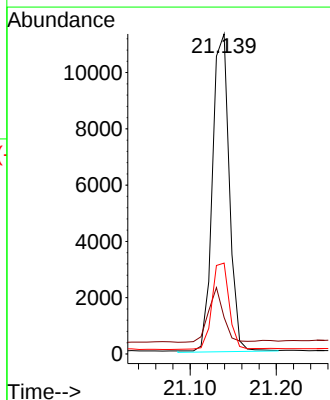
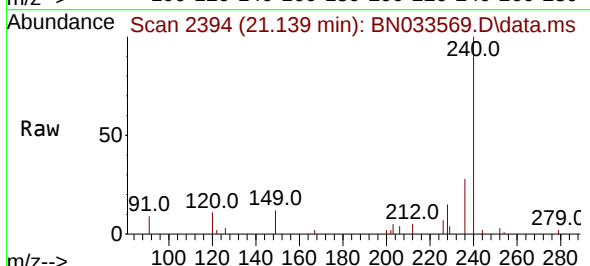
Manual Integrations
APPROVED

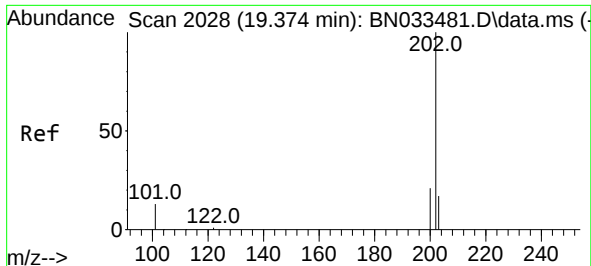
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

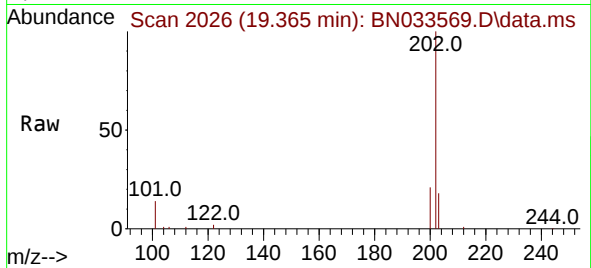
Tgt Ion:240 Resp: 15408
Ion Ratio Lower Upper
240 100
120 11.4 12.4 18.6#
236 28.4 23.0 34.6





#30
Pyrene
Concen: 0.332 ng
RT: 19.365 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

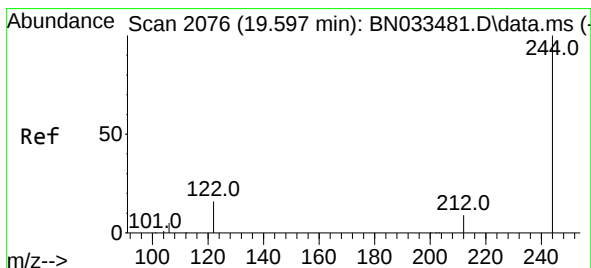
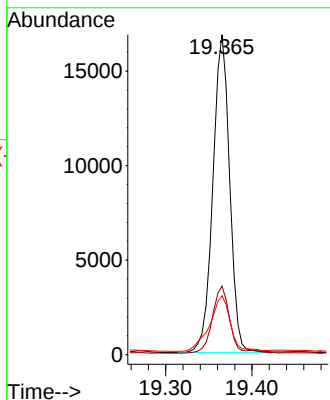
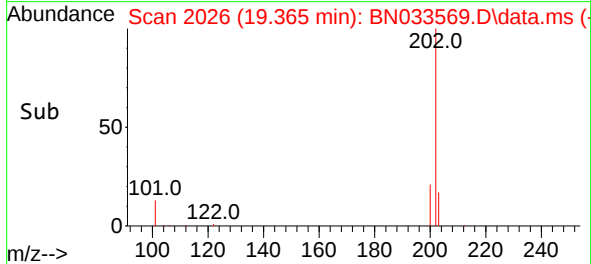
Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924



Tgt Ion:202 Resp: 2282
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 21.4 14.2 21.4

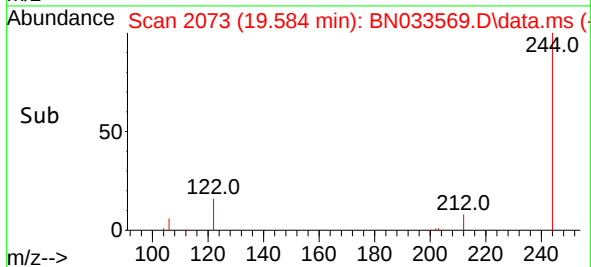
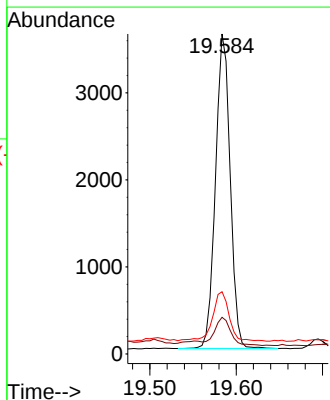
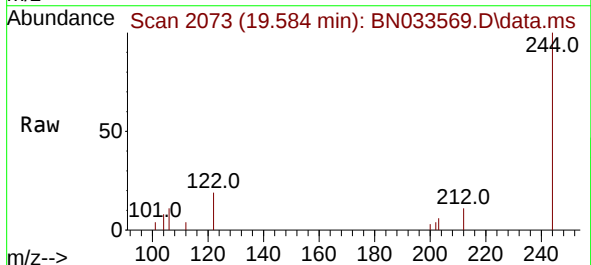
Manual Integrations
APPROVED

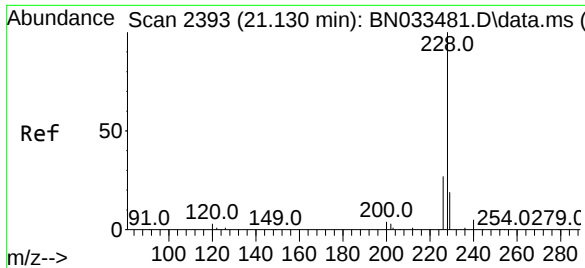
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#31
Terphenyl-d14
Concen: 0.122 ng
RT: 19.584 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

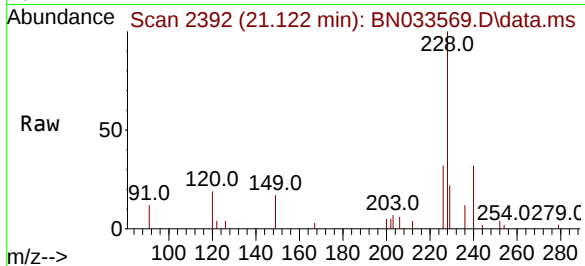
Tgt Ion:244 Resp: 4283
Ion Ratio Lower Upper
244 100
212 11.5 7.8 11.6
122 19.4 13.3 19.9





#32
Benzo(a)anthracene
Concen: 0.187 ng
RT: 21.122 min Scan# 21122
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

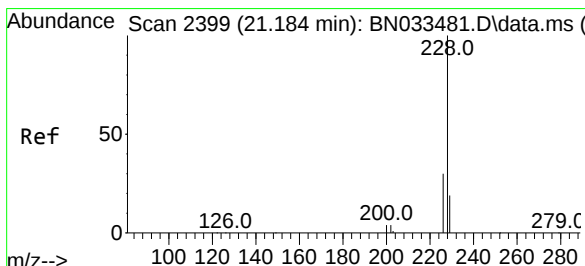
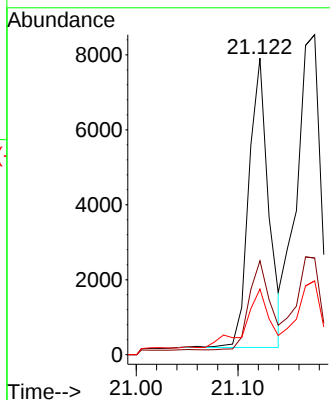
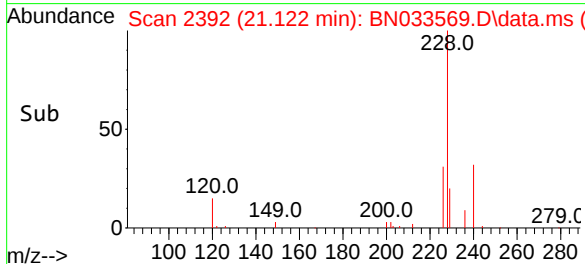
Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924



Tgt Ion:228 Resp: 1040
Ion Ratio Lower Upper
228 100
226 31.7 21.8 32.6
229 22.1 15.8 23.6

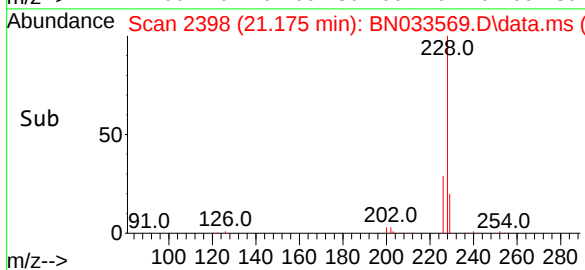
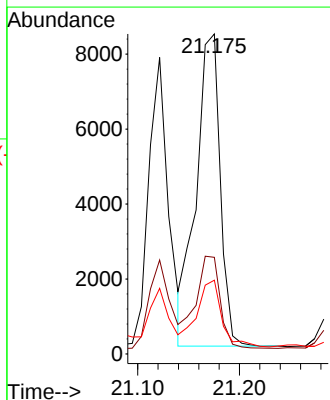
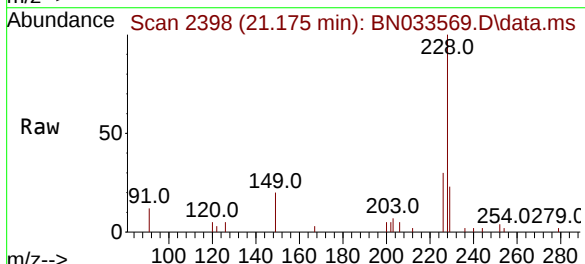
Manual Integrations
APPROVED

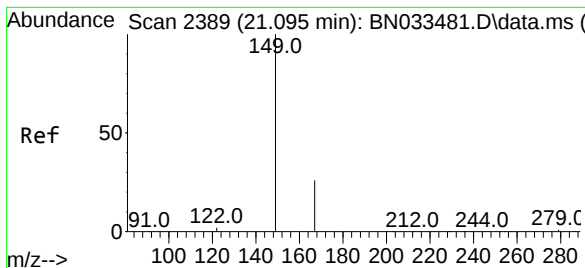
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#33
Chrysene
Concen: 0.247 ng
RT: 21.175 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

Tgt Ion:228 Resp: 13676
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 23.0 15.6 23.4





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.066 ng m

RT: 21.077 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN033569.D

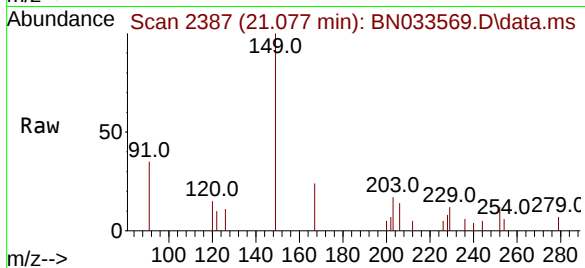
Acq: 23 Aug 2024 01:41

Instrument :

BNA_N

ClientSampleId :

S-928-KI-SO-0-0.5-081924



Tgt Ion:149 Resp: 2334

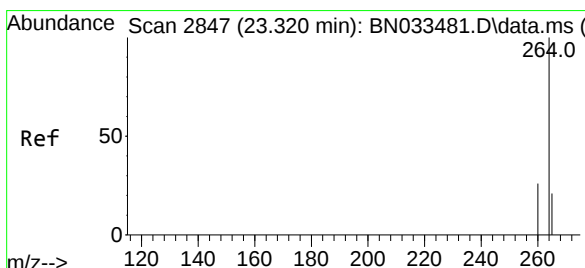
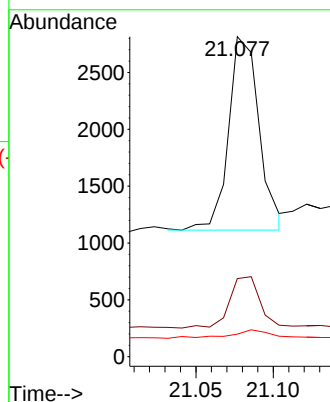
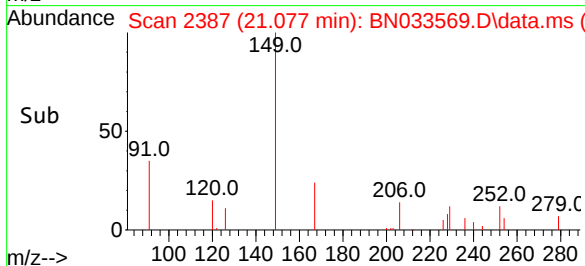
Ion	Ratio	Lower	Upper
149	100		
167	35.2	21.5	32.3
279	60.5	2.2	3.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.300 min Scan# 2840

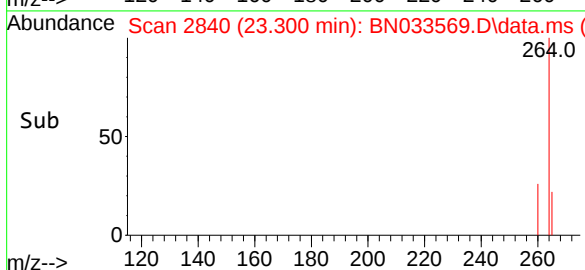
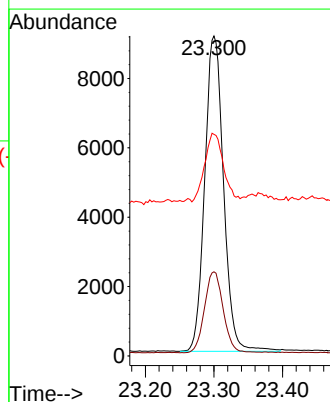
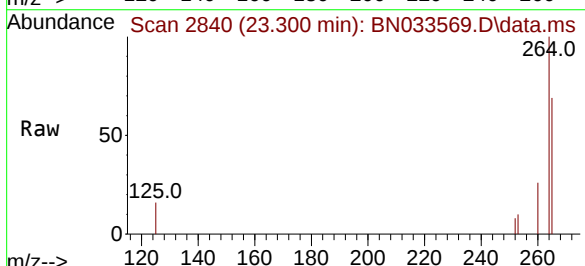
Delta R.T. -0.003 min

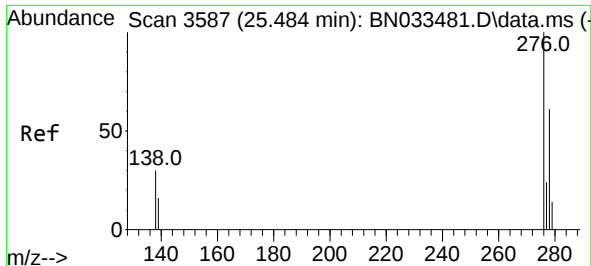
Lab File: BN033569.D

Acq: 23 Aug 2024 01:41

Tgt Ion:264 Resp: 17341

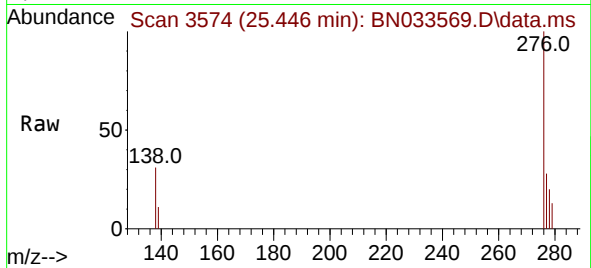
Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.8	31.2
265	69.3	52.2	78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.136 ng
RT: 25.446 min Scan# 3587
Delta R.T. -0.003 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

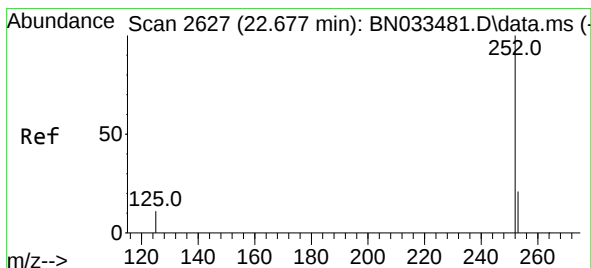
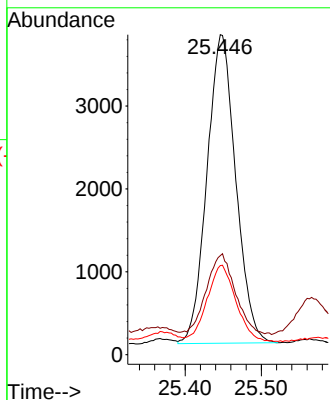
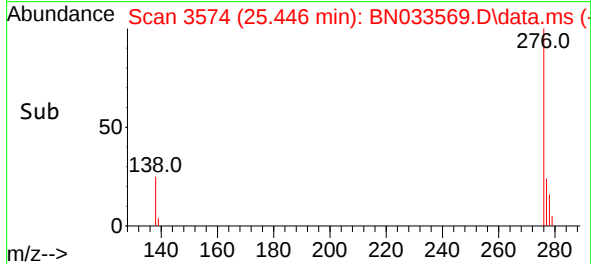
Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924



Tgt Ion:276 Resp: 9758
Ion Ratio Lower Upper
276 100
138 25.7 24.4 36.6
277 24.7 19.8 29.6

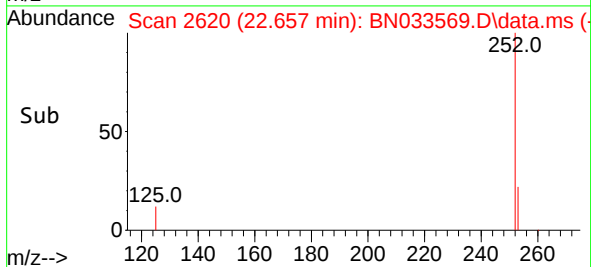
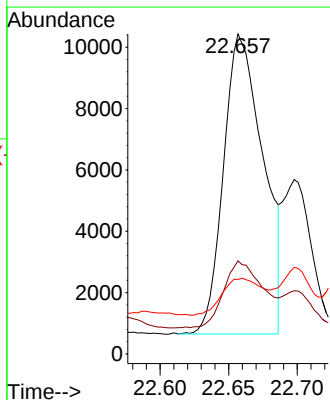
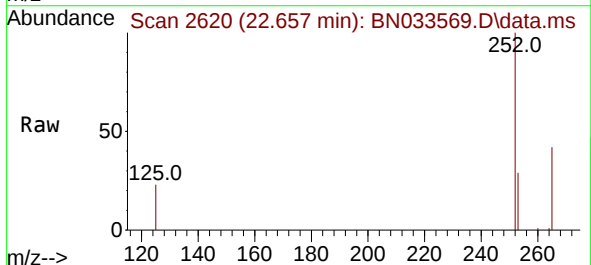
Manual Integrations
APPROVED

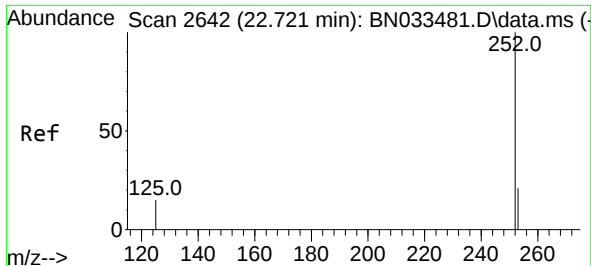
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 0.303 ng
RT: 22.657 min Scan# 2620
Delta R.T. -0.003 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

Tgt Ion:252 Resp: 19653
Ion Ratio Lower Upper
252 100
253 29.1 19.8 29.8
125 23.3 13.9 20.9#





#38

Benzo(k)fluoranthene

Concen: 0.115 ng m

RT: 22.698 min Scan# 20

Delta R.T. -0.006 min

Lab File: BN033569.D

Acq: 23 Aug 2024 01:41

Instrument :

BNA_N

ClientSampleId :

S-928-KI-SO-0-0.5-081924

Tgt Ion:252 Resp: 735

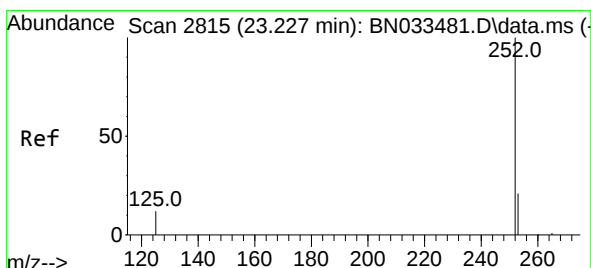
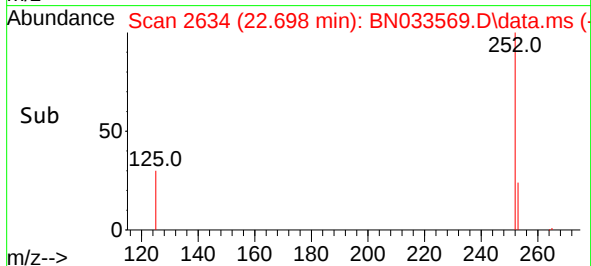
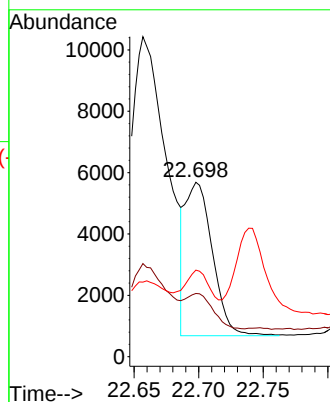
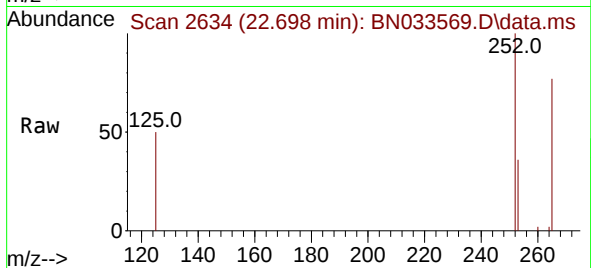
Ion	Ratio	Lower	Upper
252	100		
253	36.3	19.8	29.8
125	49.6	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#39

Benzo(a)pyrene

Concen: 0.227 ng

RT: 23.206 min Scan# 2808

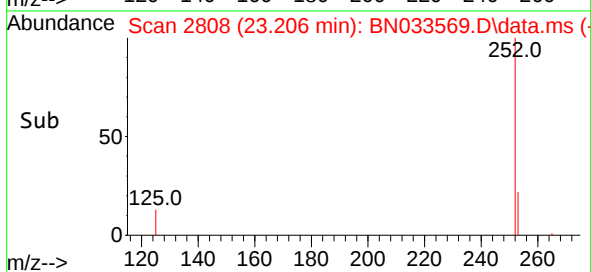
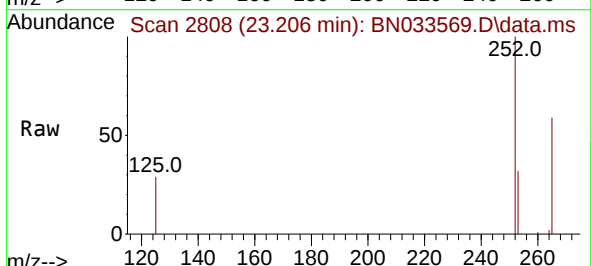
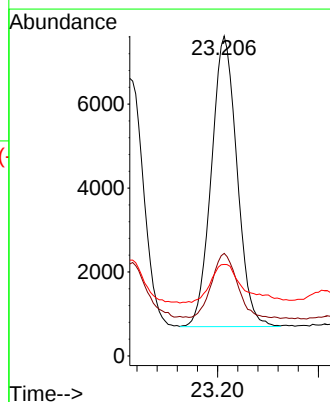
Delta R.T. -0.003 min

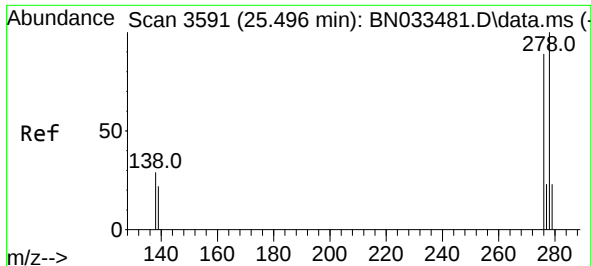
Lab File: BN033569.D

Acq: 23 Aug 2024 01:41

Tgt Ion:252 Resp: 12177

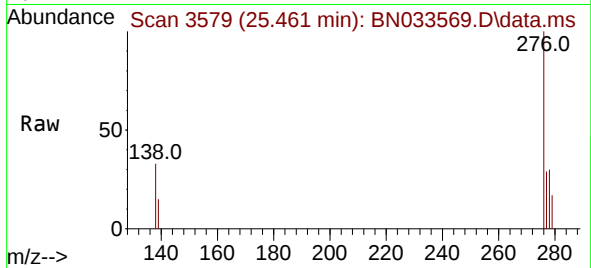
Ion	Ratio	Lower	Upper
252	100		
253	32.1	21.5	32.3
125	28.6	17.0	25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.039 ng
RT: 25.461 min Scan# 3579
Delta R.T. -0.009 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

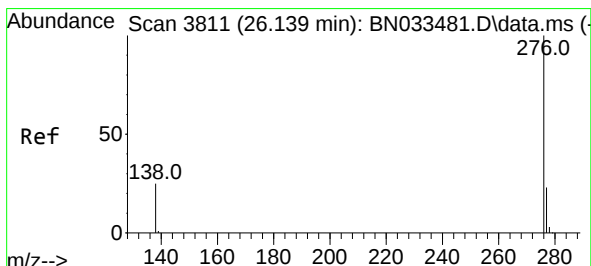
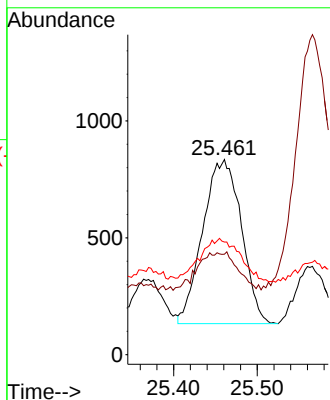
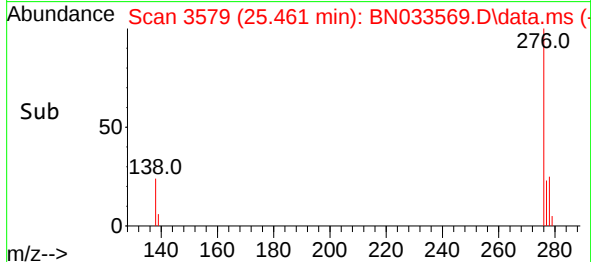
Instrument :
BNA_N
ClientSampleId :
S-928-KI-SO-0-0.5-081924



Tgt Ion: 278 Resp: 225
Ion Ratio Lower Upper
278 100
139 51.5 19.1 28.7
279 57.7 21.0 31.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/23/2024
Supervised By : mohammad ahmed 08/24/2024



#41
Benzo(g,h,i)perylene
Concen: 0.163 ng
RT: 26.104 min Scan# 3799
Delta R.T. 0.000 min
Lab File: BN033569.D
Acq: 23 Aug 2024 01:41

Tgt Ion: 276 Resp: 10031
Ion Ratio Lower Upper
276 100
277 27.4 19.7 29.5
138 32.1 21.8 32.6

