

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
 Data File : BN022469.D
 Acq On : 02 Nov 2022 18:17
 Operator : CG/JU
 Sample : N5395-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-2-103122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/03/2022
 Supervised By : mohammad ahmed 11/07/2022

Quant Time: Nov 03 06:25:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 05:31:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	3379	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	9470	0.400	ng	# 0.00
13) Acenaphthene-d10	14.593	164	4777	0.400	ng	0.00
19) Phenanthrene-d10	17.354	188	8888	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	7103	0.400	ng	# 0.00
35) Perylene-d12	24.005	264	6001	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.465	112	2592	0.288	ng	0.00
5) Phenol-d6	7.097	99	2938	0.260	ng	0.00
8) Nitrobenzene-d5	9.108	82	2360	0.288	ng	0.00
11) 2-Methylnaphthalene-d10	12.349	152	3005	0.202	ng	0.00
14) 2,4,6-Tribromophenol	16.100	330	603	0.294	ng	0.00
15) 2-Fluorobiphenyl	13.224	172	4337	0.212	ng	0.00
27) Fluoranthene-d10	19.390	212	4176	0.170	ng	0.00
31) Terphenyl-d14	19.989	244	3501	0.189	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.350	93	426	0.039	ng	# 82
9) Naphthalene	10.805	128	31006	1.095	ng	99
16) Acenaphthylene	14.315	152	14536	0.628	ng	97
17) Acenaphthene	14.657	154	3388	0.215	ng	99
18) Fluorene	15.651	166	5566	0.253	ng	# 93
25) Phenanthrene	17.391	178	52779	1.732	ng	99
26) Anthracene	17.490	178	14179	0.552	ng	98
28) Fluoranthene	19.419	202	120523	3.648	ng	99
30) Pyrene	19.786	202	113356	3.468	ng	# 95
32) Benzo(a)anthracene	21.537	228	61770	2.209	ng	95
33) Chrysene	21.591	228	57618	1.971	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.456	149	30855	1.743	ng	96
36) Indeno(1,2,3-cd)pyrene	26.572	276	35263	1.190	ng	93
37) Benzo(b)fluoranthene	23.256	252	82758	3.013	ng	# 95
38) Benzo(k)fluoranthene	23.300	252	28417m	1.040	ng	
39) Benzo(a)pyrene	23.894	252	47100	2.107	ng	96
40) Dibenzo(a,h)anthracene	26.584	278	9050	0.391	ng	# 46
41) Benzo(g,h,i)perylene	27.370	276	34362	1.407	ng	97

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

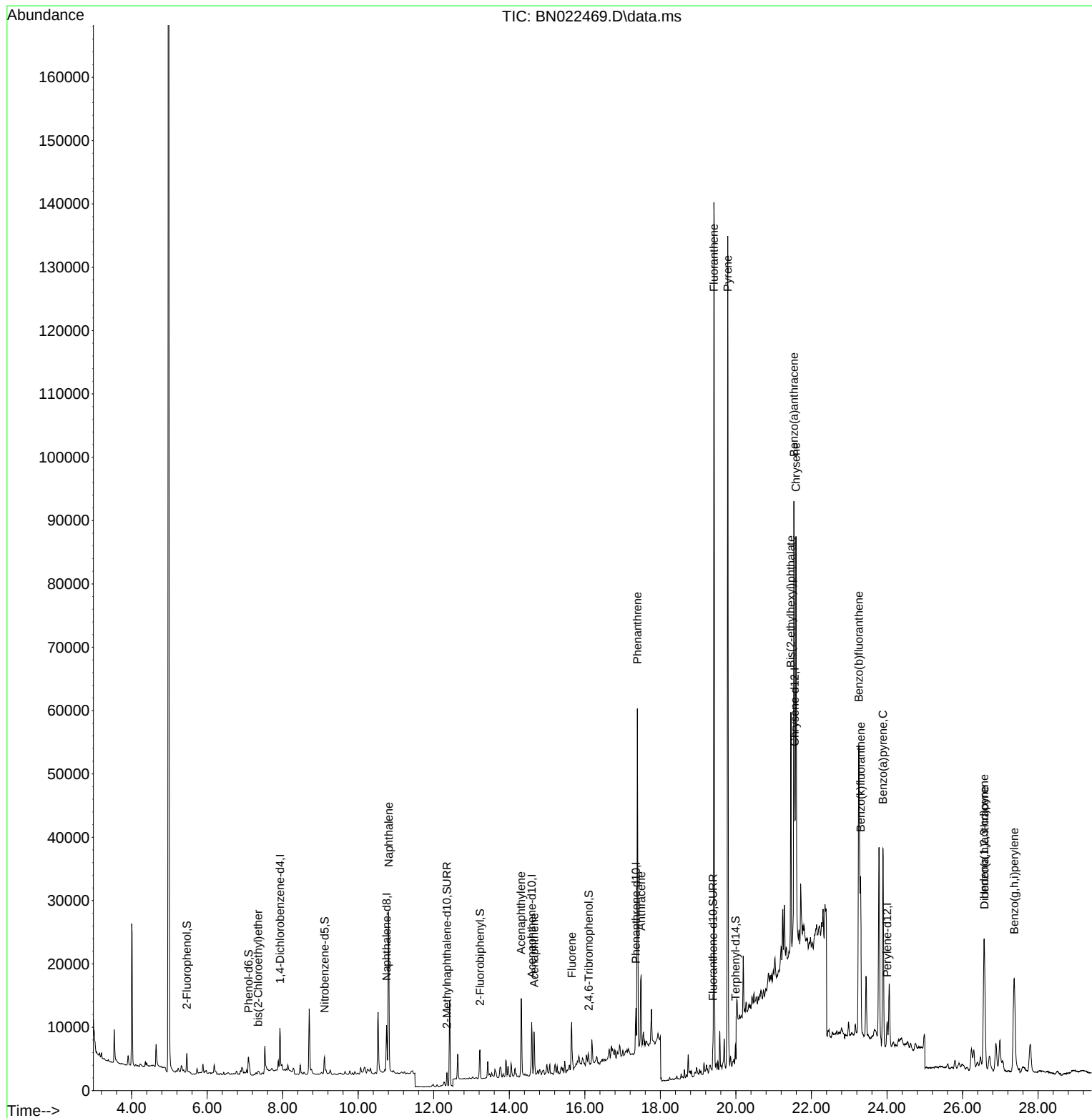
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
Data File : BN022469.D
Acq On : 02 Nov 2022 18:17
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Sample : N5395-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

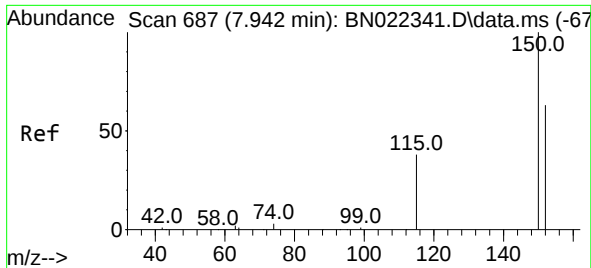
Instrument :
BNA_N
ClientSampleId :
S-2-103122

Quant Time: Nov 03 06:25:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 05:31:40 2022
Response via : Initial Calibration

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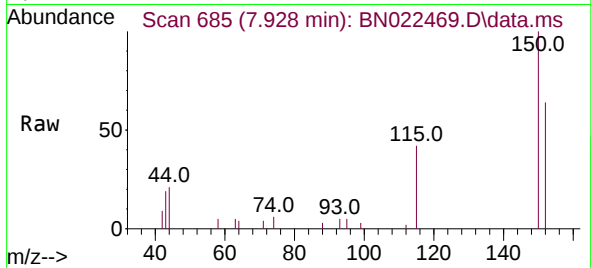
Reviewed By : Christian Giraldo 11/03/2022
Supervised By : mohammad ahmed 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 687
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

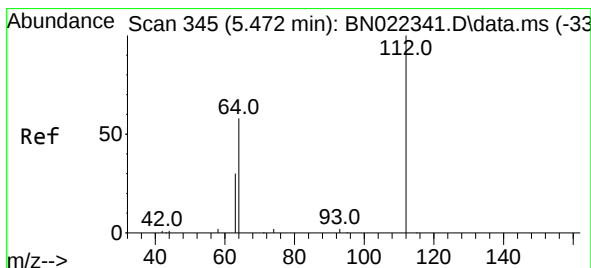
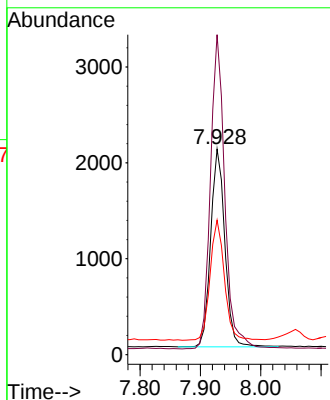
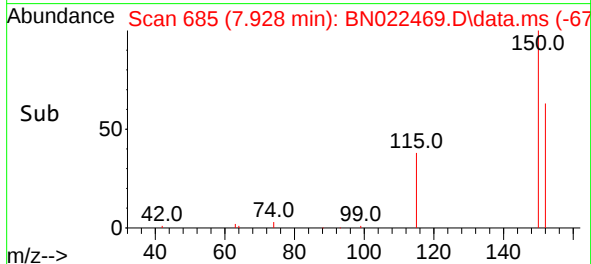
Instrument :
BNA_N
ClientSampleId :
S-2-103122



Tgt Ion:152 Resp: 3379
Ion Ratio Lower Upper
152 100
150 155.7 125.2 187.8
115 65.4 52.0 78.0

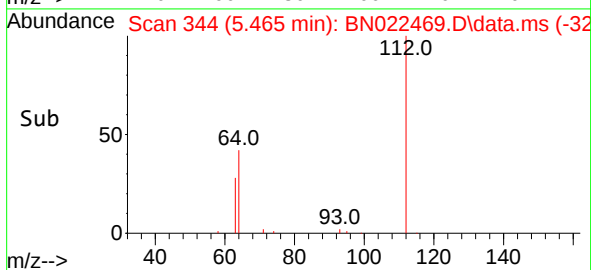
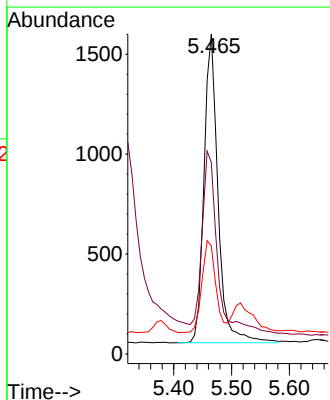
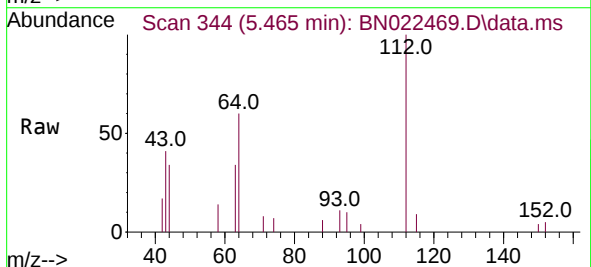
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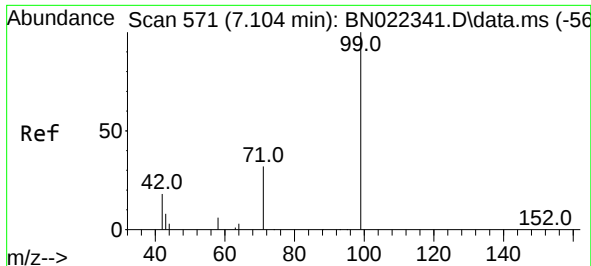
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#4
2-Fluorophenol
Concen: 0.288 ng
RT: 5.465 min Scan# 344
Delta R.T. 0.007 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

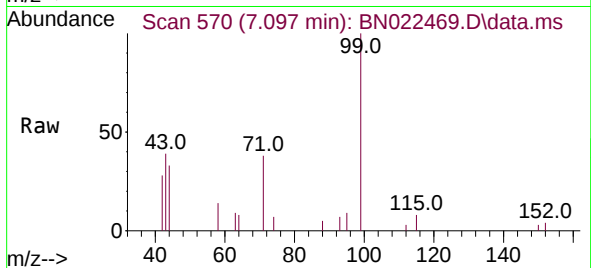
Tgt Ion:112 Resp: 2592
Ion Ratio Lower Upper
112 100
64 64.4 47.0 70.4
63 29.7 24.5 36.7





#5
Phenol-d6
Concen: 0.260 ng
RT: 7.097 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

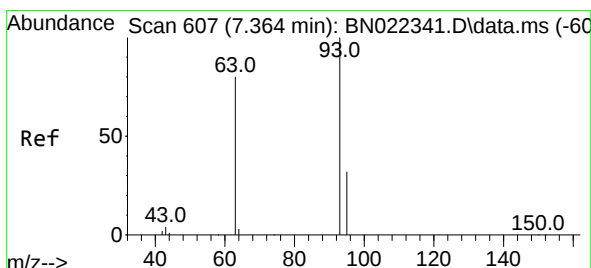
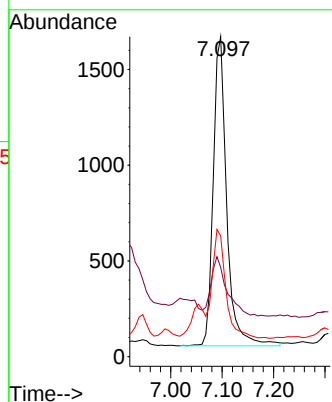
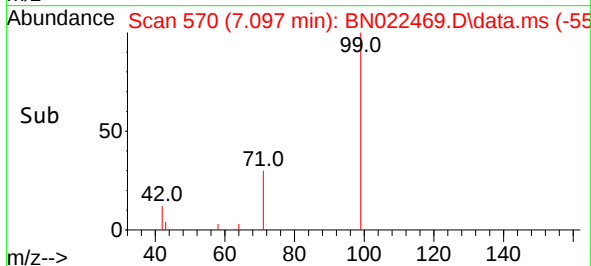
Instrument :
BNA_N
ClientSampleId :
S-2-103122



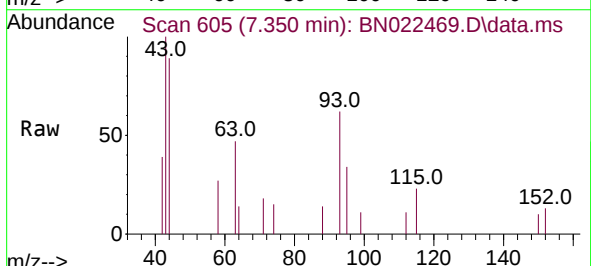
Tgt Ion: 99 Resp: 2938
Ion Ratio Lower Upper
99 100
42 22.5 16.3 24.5
71 35.4 26.1 39.1

Manual Integrations
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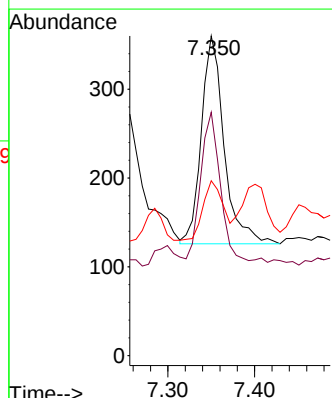
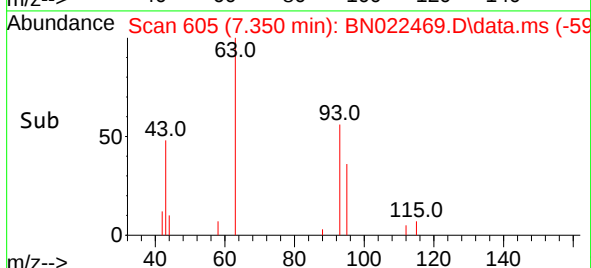
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

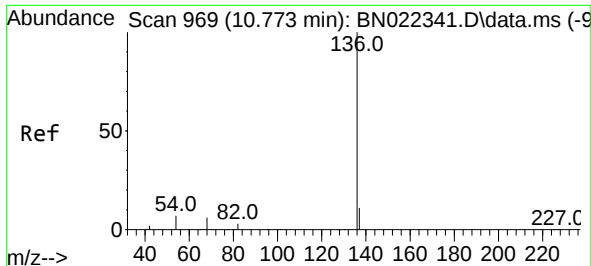


#6
bis(2-Chloroethyl)ether
Concen: 0.039 ng
RT: 7.350 min Scan# 605
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17



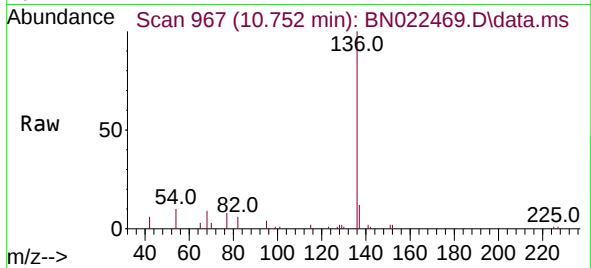
Tgt Ion: 93 Resp: 426
Ion Ratio Lower Upper
93 100
63 61.3 62.6 93.8#
95 25.1 26.1 39.1#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

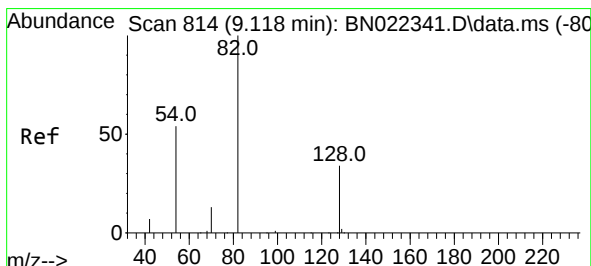
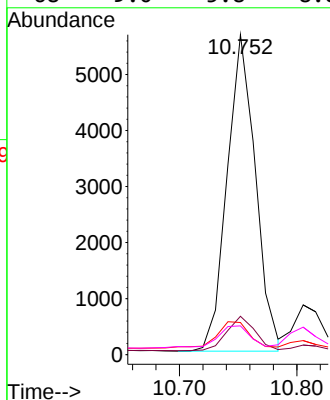
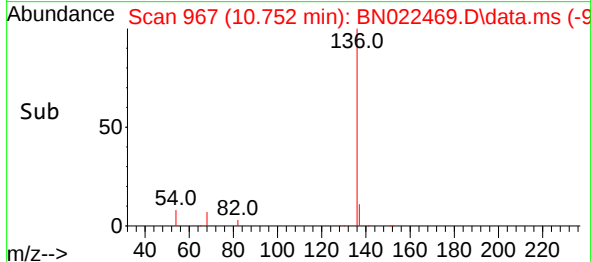
Instrument :
BNA_N
ClientSampleId :
S-2-103122



Tgt Ion:136 Resp: 9470
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.2
54 10.0 6.5 9.7
68 9.0 5.8 8.8

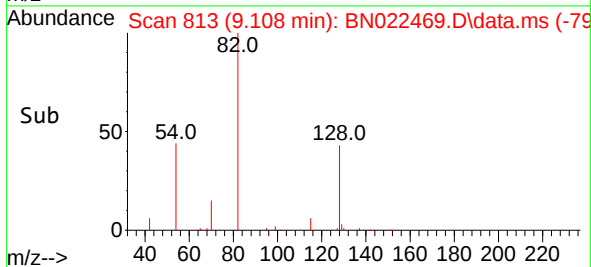
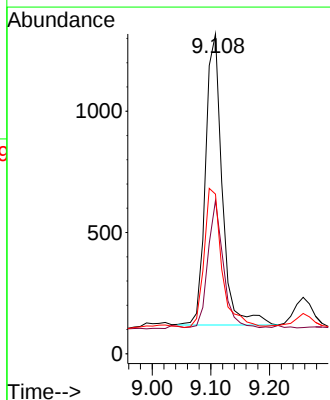
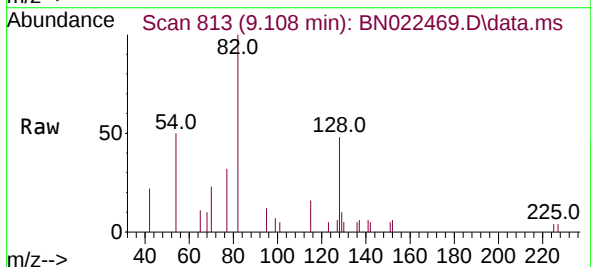
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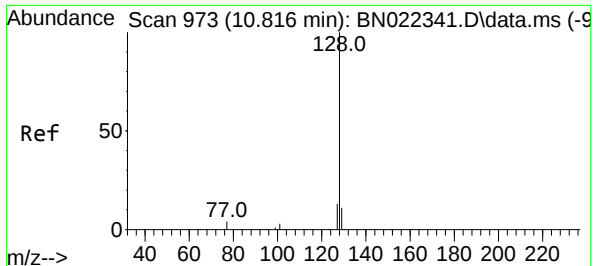
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#8
Nitrobenzene-d5
Concen: 0.288 ng
RT: 9.108 min Scan# 813
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

Tgt Ion: 82 Resp: 2360
Ion Ratio Lower Upper
82 100
128 47.9 30.5 45.7
54 49.9 45.2 67.8





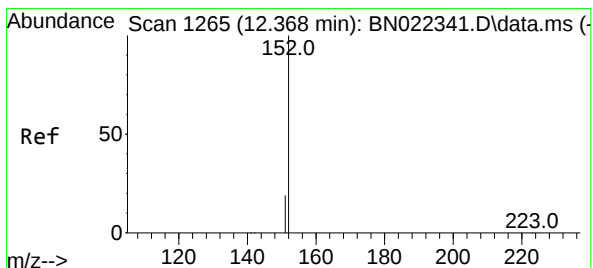
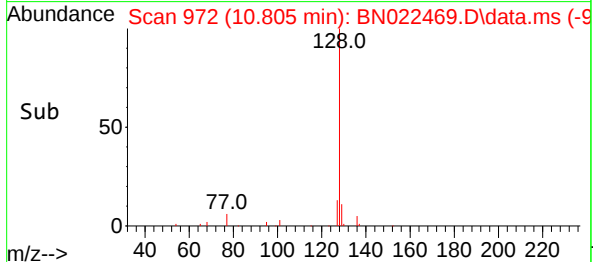
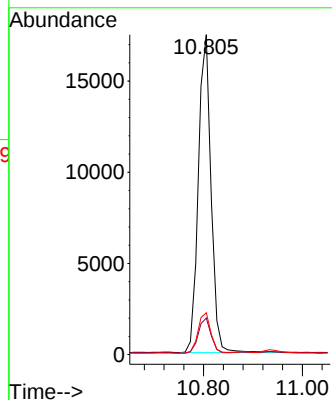
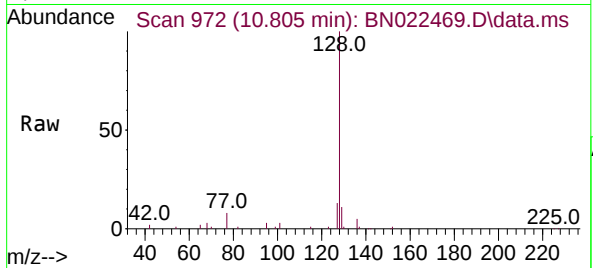
#9
Naphthalene
Concen: 1.095 ng
RT: 10.805 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

Instrument :
BNA_N
ClientSampleId :
S-2-103122

Tgt Ion:128 Resp: 31000
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.2
127 13.1 11.0 16.6

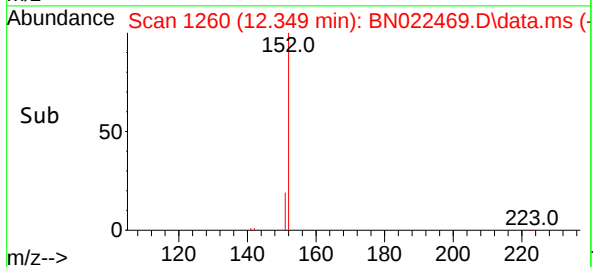
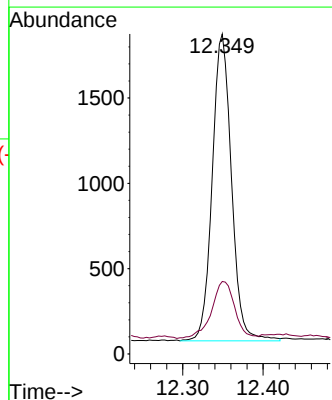
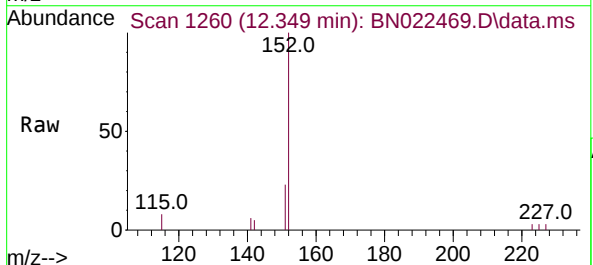
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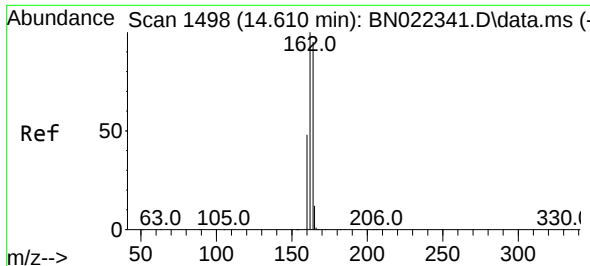
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#11
2-Methylnaphthalene-d10
Concen: 0.202 ng
RT: 12.349 min Scan# 1260
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

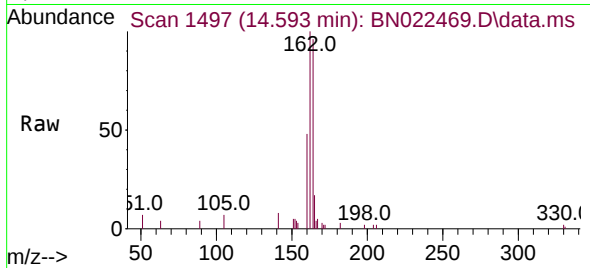
Tgt Ion:152 Resp: 3005
Ion Ratio Lower Upper
152 100
151 21.7 16.7 25.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.593 min Scan# 1497
Delta R.T. 0.004 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

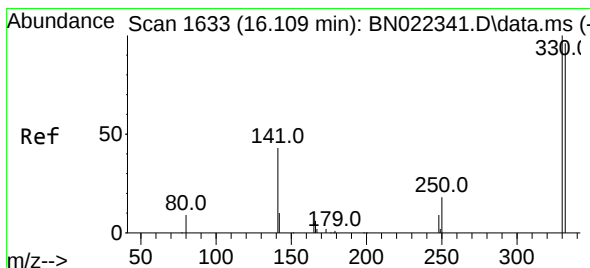
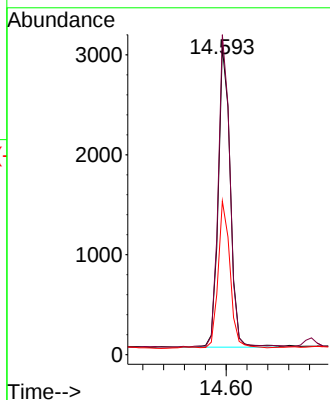
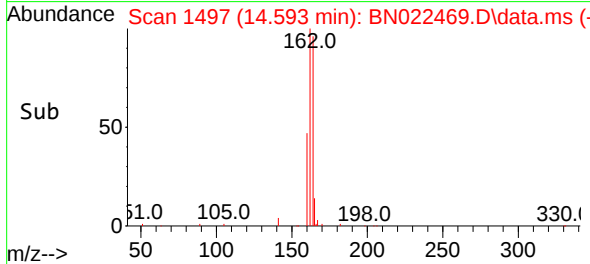
Instrument :
BNA_N
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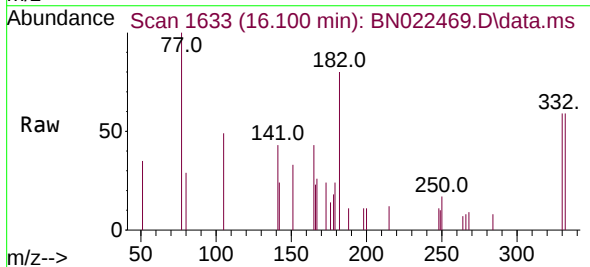
Tgt Ion:164 Resp: 477
Ion Ratio Lower Upper
164 100
162 104.1 83.9 125.9
160 49.9 41.0 61.4

Manual Integrations
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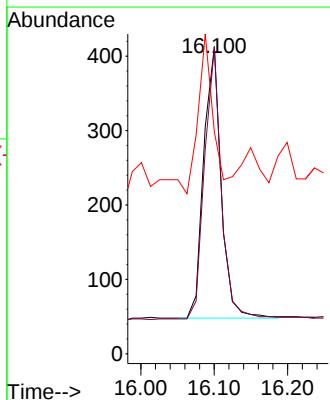
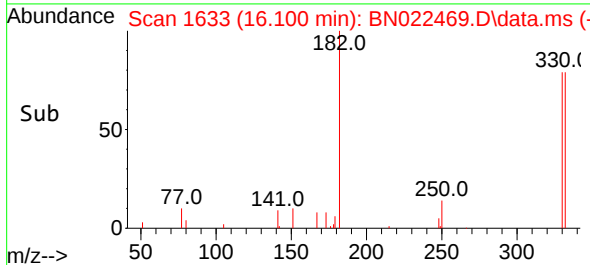
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

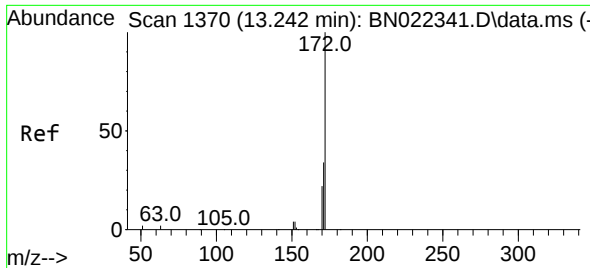


#14
2,4,6-Tribromophenol
Concen: 0.294 ng
RT: 16.100 min Scan# 1633
Delta R.T. 0.004 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17



Tgt Ion:330 Resp: 603
Ion Ratio Lower Upper
330 100
332 96.4 78.6 118.0
141 38.5 40.2 60.4#





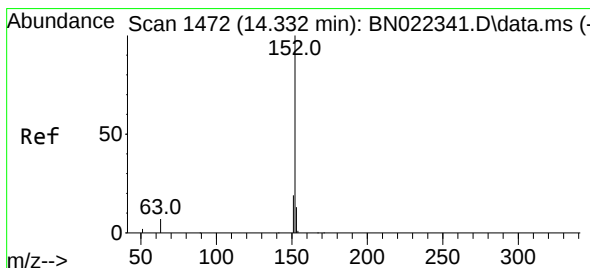
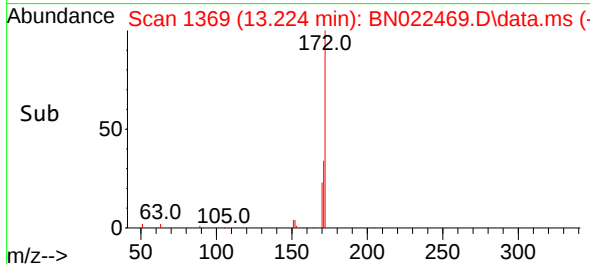
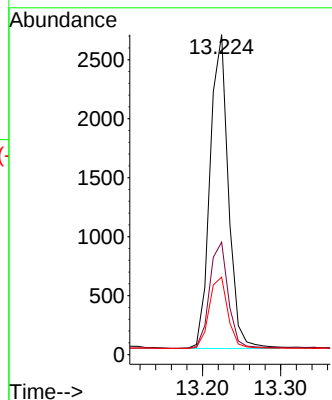
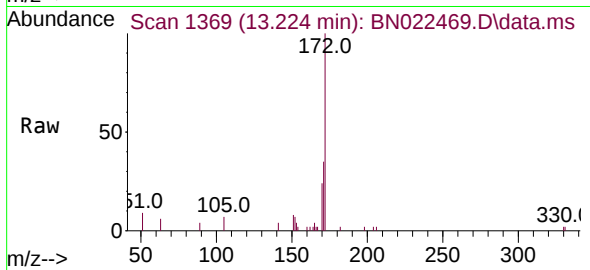
#15
2-Fluorobiphenyl
Concen: 0.212 ng
RT: 13.224 min Scan# 1369
Delta R.T. 0.004 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

Instrument :
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ClientSampleId :
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Tgt Ion:	172	Resp:	433
Ion Ratio	Lower	Upper	
172	100		
171	35.1	27.4	41.0
170	24.3	18.5	27.7

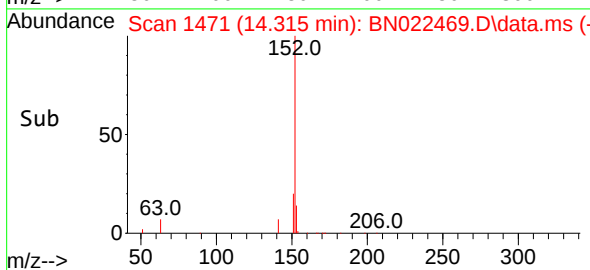
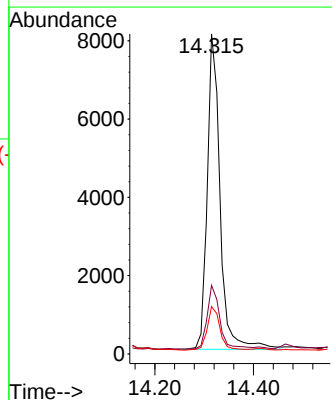
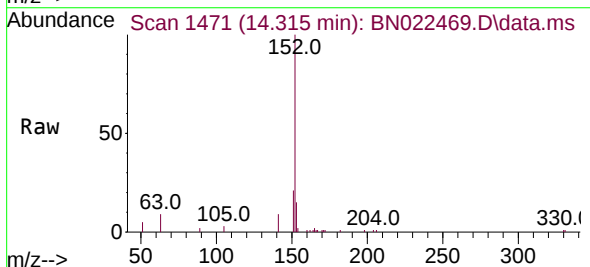
Manual Integrations
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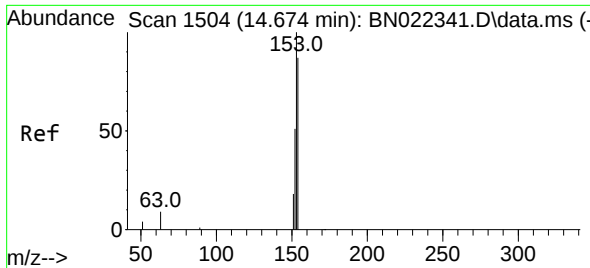
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#16
Acenaphthylene
Concen: 0.628 ng
RT: 14.315 min Scan# 1471
Delta R.T. 0.004 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

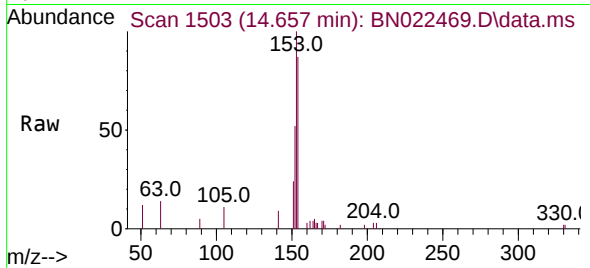
Tgt Ion:	152	Resp:	14536
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.2	22.8
153	13.7	10.3	15.5





#17
Acenaphthene
Concen: 0.215 ng
RT: 14.657 min Scan# 1503
Delta R.T. 0.004 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

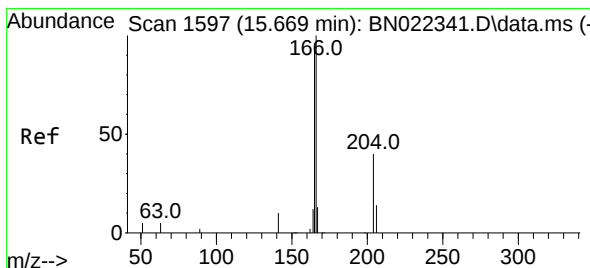
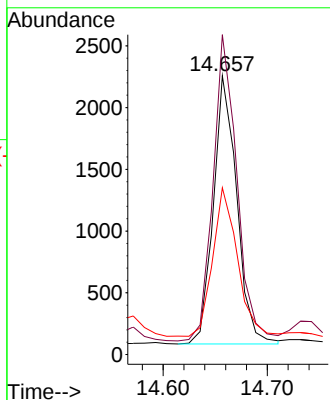
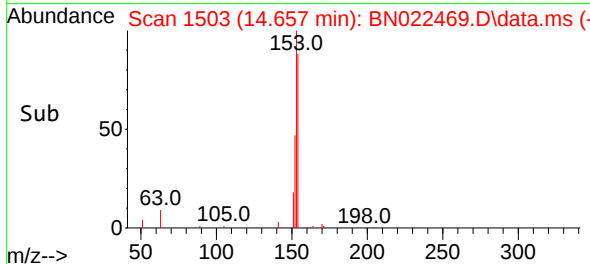
Instrument :
BNA_N
ClientSampleId :
S-2-103122



Tgt Ion:154 Resp: 3388
Ion Ratio Lower Upper
154 100
153 116.1 92.2 138.2
152 58.5 47.6 71.4

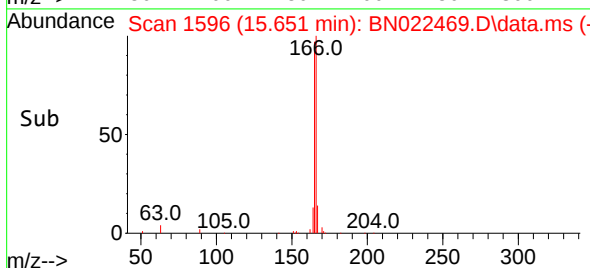
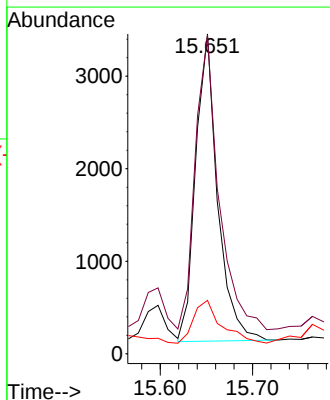
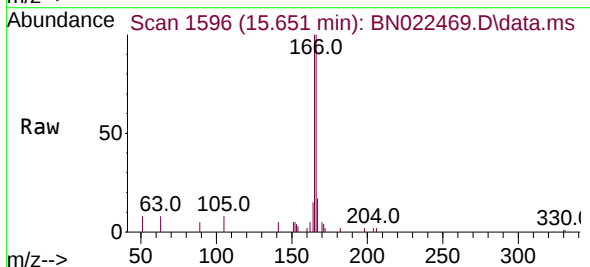
Manual Integrations
APPROVED

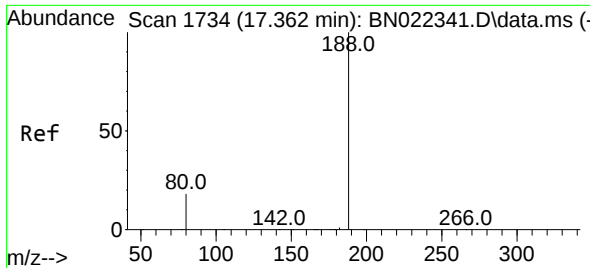
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#18
Fluorene
Concen: 0.253 ng
RT: 15.651 min Scan# 1596
Delta R.T. 0.004 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

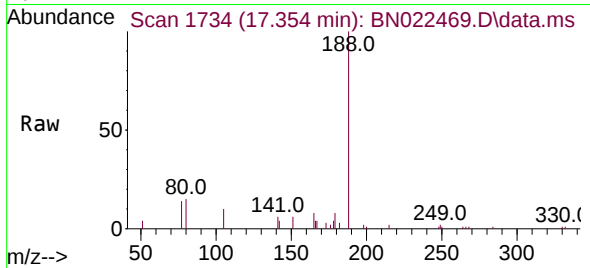
Tgt Ion:166 Resp: 5566
Ion Ratio Lower Upper
166 100
165 104.4 78.6 118.0
167 17.4 10.2 15.4





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.354 min Scan# 1734
Delta R.T. 0.004 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

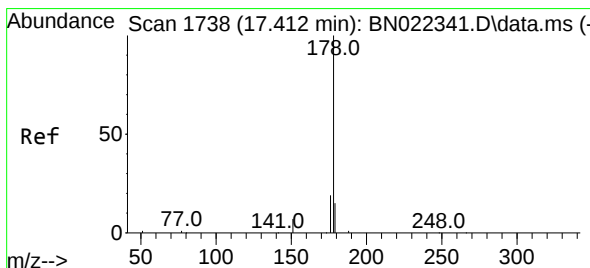
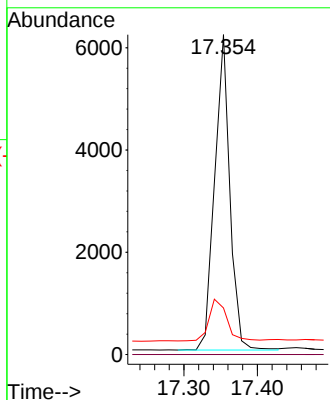
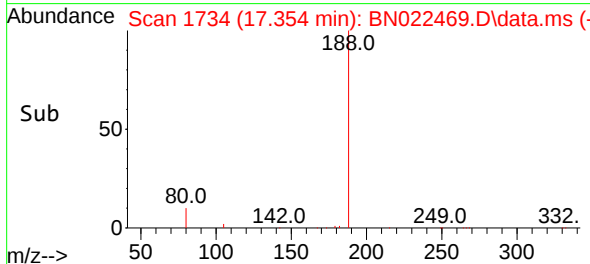
Instrument :
BNA_N
ClientSampleId :
S-2-103122



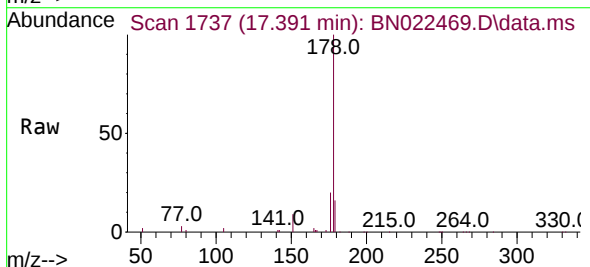
Tgt Ion:188 Resp: 8888
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.6 15.0 22.6

Manual Integrations
APPROVED

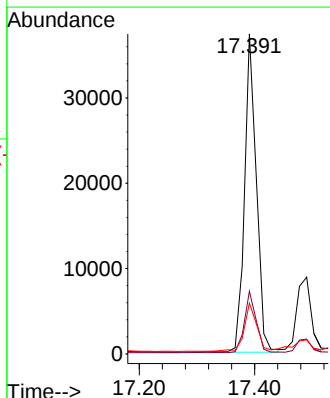
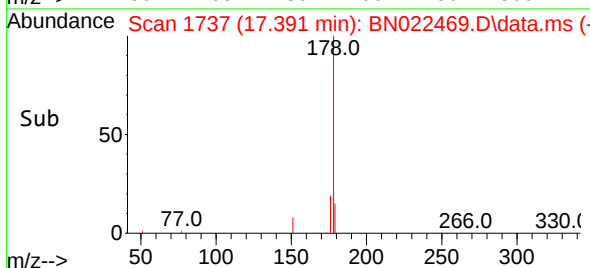
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

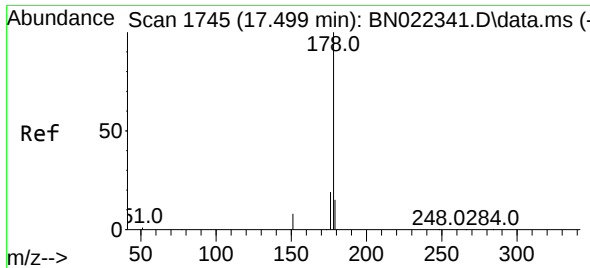


#25
Phenanthrene
Concen: 1.732 ng
RT: 17.391 min Scan# 1737
Delta R.T. 0.004 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17



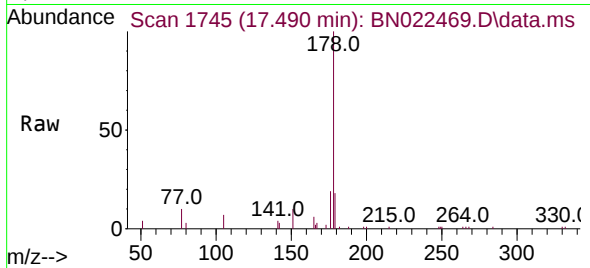
Tgt Ion:178 Resp: 52779
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.2 12.5 18.7





#26
 Anthracene
 Concen: 0.552 ng
 RT: 17.490 min Scan# 11
 Delta R.T. 0.004 min
 Lab File: BN022469.D
 Acq: 02 Nov 2022 18:17

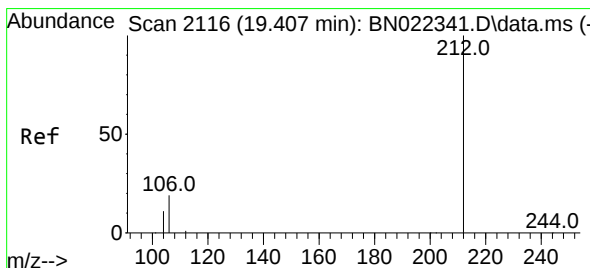
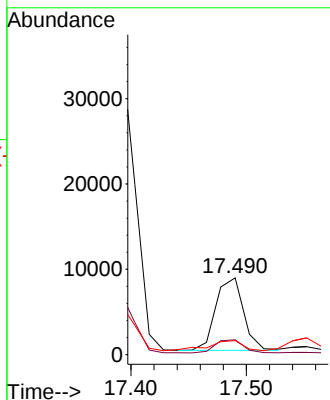
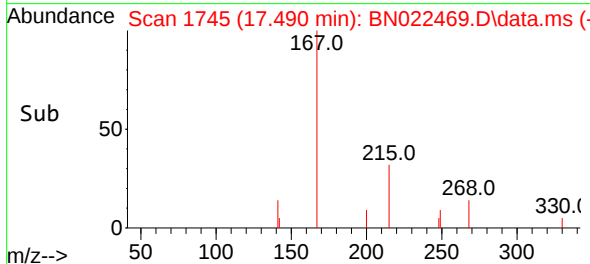
Instrument :
 BNA_N
 ClientSampleId :
 S-2-103122



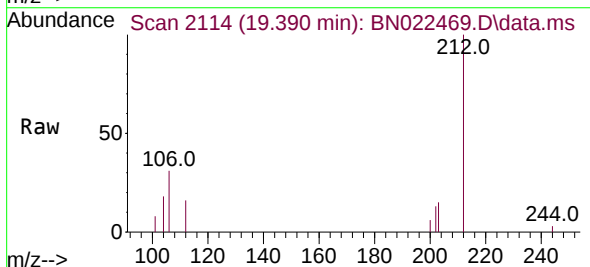
Tgt Ion:178 Resp: 14179
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.4
 179 17.3 12.2 18.4

Manual Integrations
 APPROVED

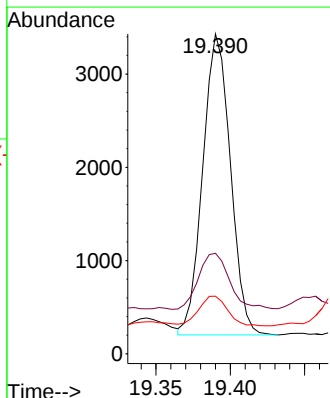
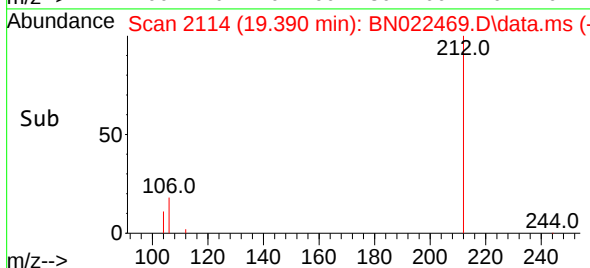
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022

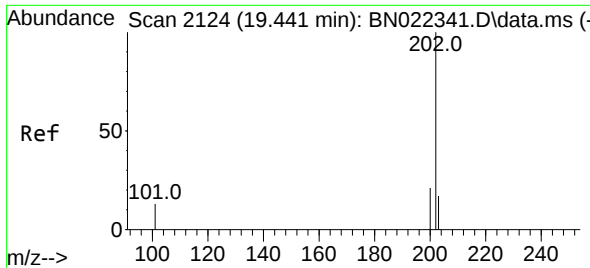


#27
 Fluoranthene-d10
 Concen: 0.170 ng
 RT: 19.390 min Scan# 2114
 Delta R.T. -0.000 min
 Lab File: BN022469.D
 Acq: 02 Nov 2022 18:17



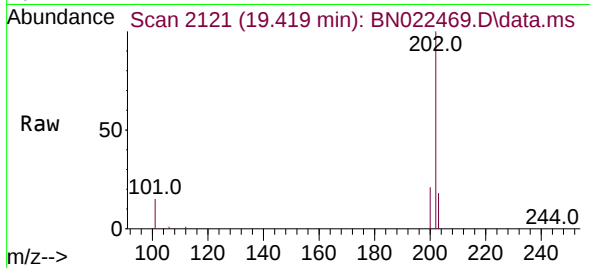
Tgt Ion:212 Resp: 4176
 Ion Ratio Lower Upper
 212 100
 106 21.0 15.0 22.4
 104 10.9 9.3 13.9





#28
Fluoranthene
Concen: 3.648 ng
RT: 19.419 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

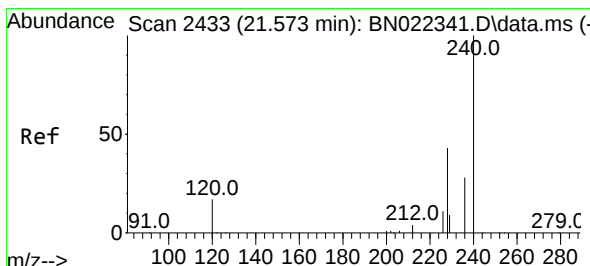
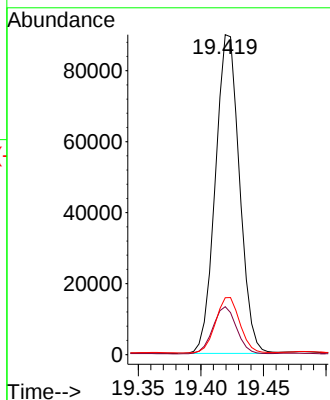
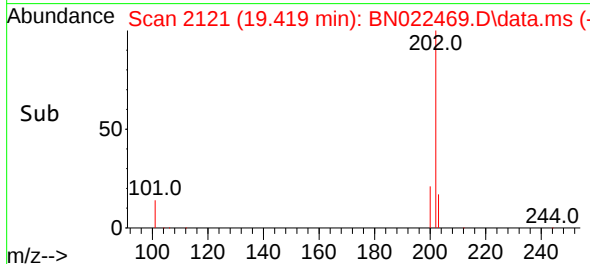
Instrument :
BNA_N
ClientSampleId :
S-2-103122



Tgt Ion:202 Resp: 120523
Ion Ratio Lower Upper
202 100
101 14.5 11.4 17.0
203 17.4 13.7 20.5

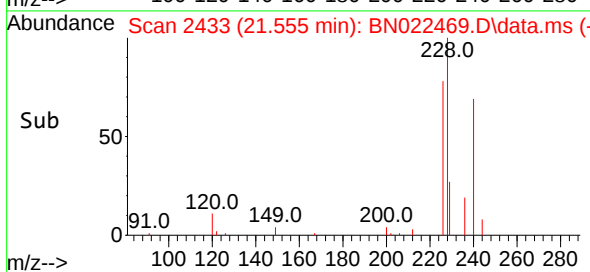
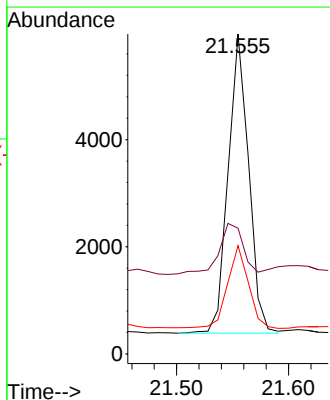
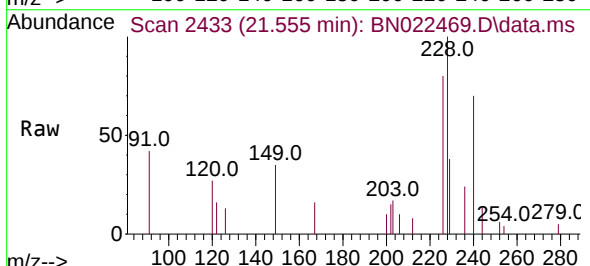
Manual Integrations
APPROVED

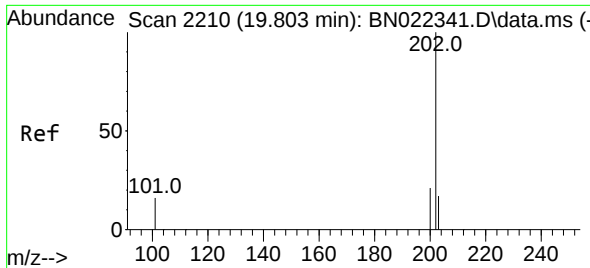
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

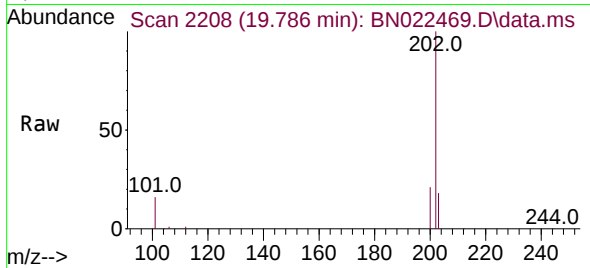
Tgt Ion:240 Resp: 7103
Ion Ratio Lower Upper
240 100
120 39.3 15.8 23.6#
236 33.8 23.2 34.8





#30
Pyrene
Concen: 3.468 ng
RT: 19.786 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

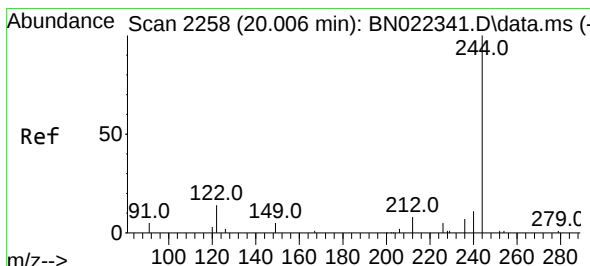
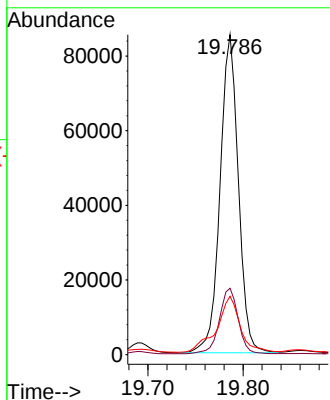
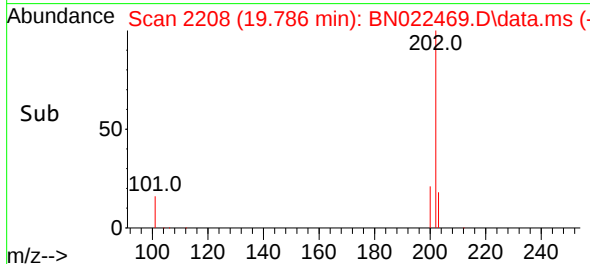
Instrument :
BNA_N
ClientSampleId :
S-2-103122



Tgt Ion:202 Resp: 113356
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 22.4 14.2 21.2

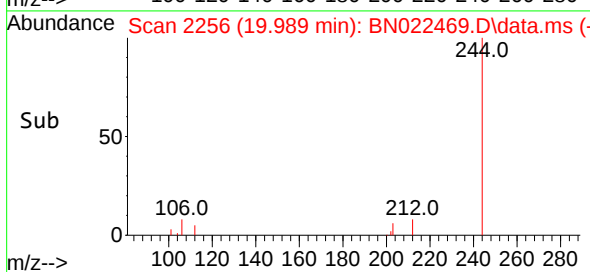
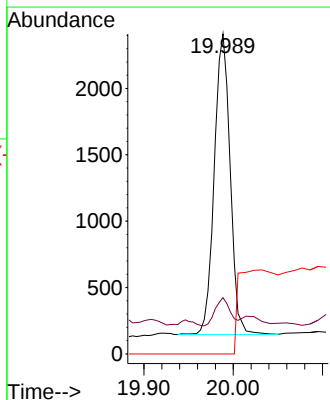
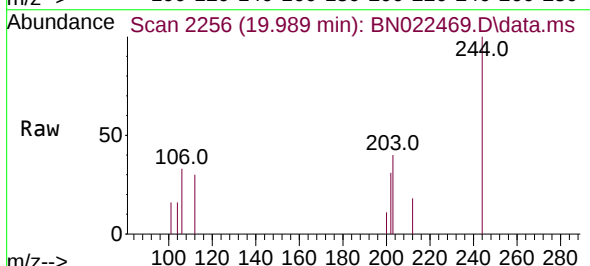
Manual Integrations
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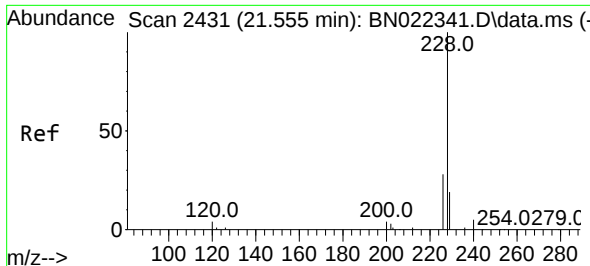
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#31
Terphenyl-d14
Concen: 0.189 ng
RT: 19.989 min Scan# 2256
Delta R.T. 0.004 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

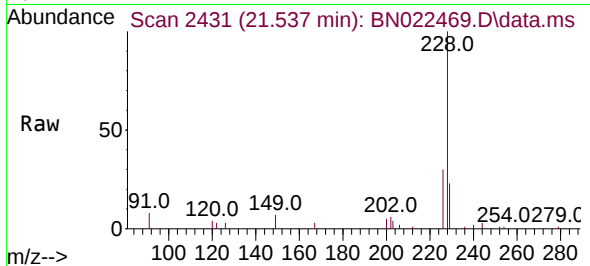
Tgt Ion:244 Resp: 3501
Ion Ratio Lower Upper
244 100
212 17.6 7.0 10.4#
122 0.0 11.5 17.3#





#32
Benzo(a)anthracene
Concen: 2.209 ng
RT: 21.537 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

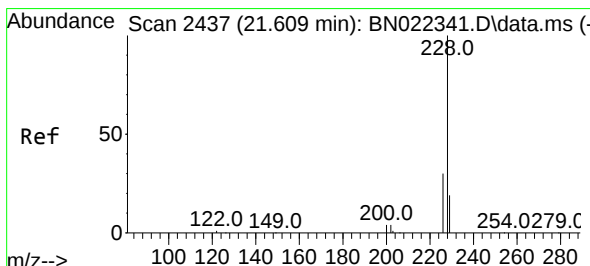
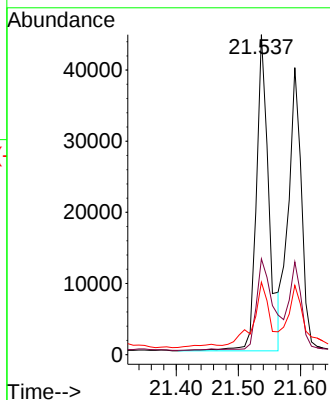
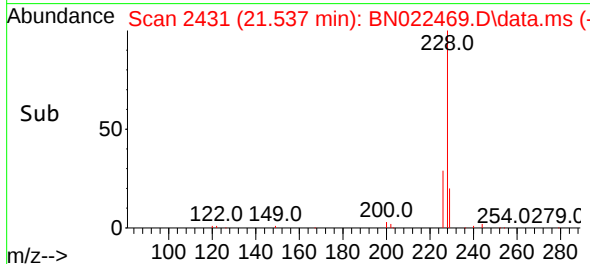
Instrument :
BNA_N
ClientSampleId :
S-2-103122



Tgt Ion:228 Resp: 61770
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 22.6 15.5 23.3

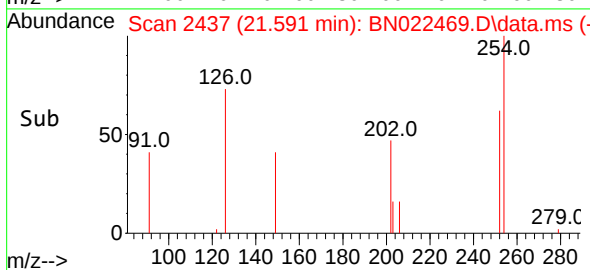
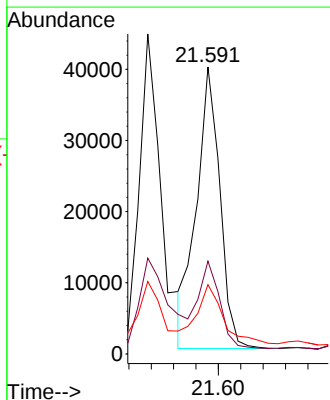
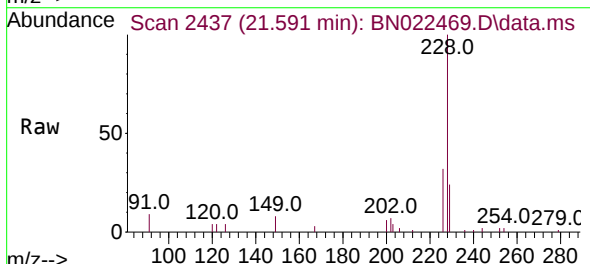
Manual Integrations
APPROVED

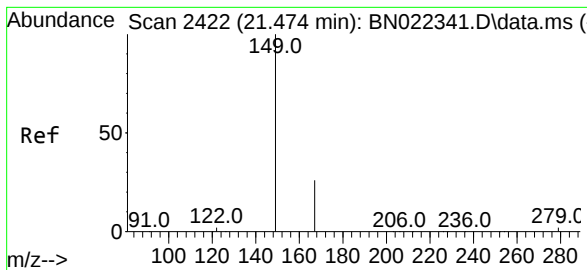
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#33
Chrysene
Concen: 1.971 ng
RT: 21.591 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

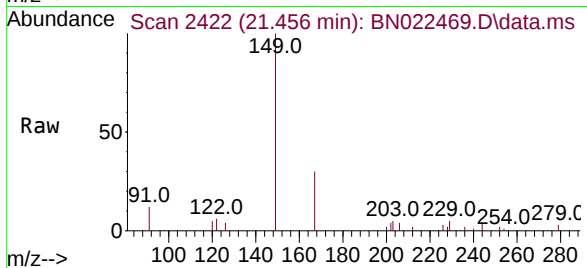
Tgt Ion:228 Resp: 57618
Ion Ratio Lower Upper
228 100
226 32.3 24.5 36.7
229 24.1 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.743 ng
RT: 21.456 min Scan# 2422
Delta R.T. 0.009 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

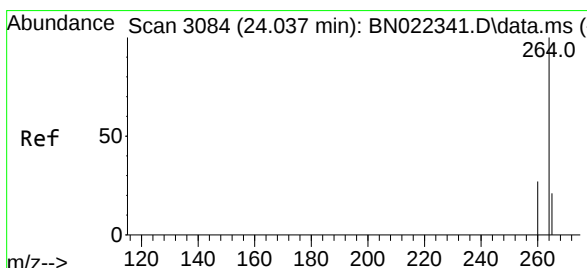
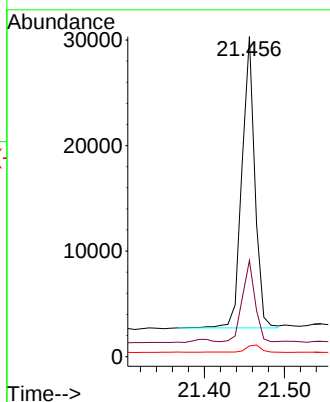
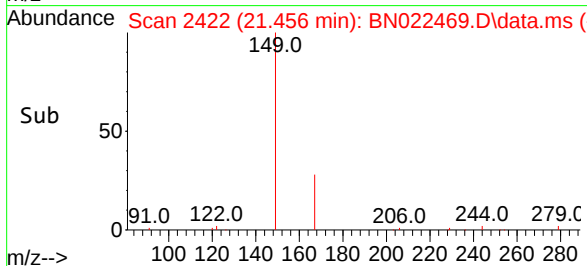
Instrument :
BNA_N
ClientSampleId :
S-2-103122



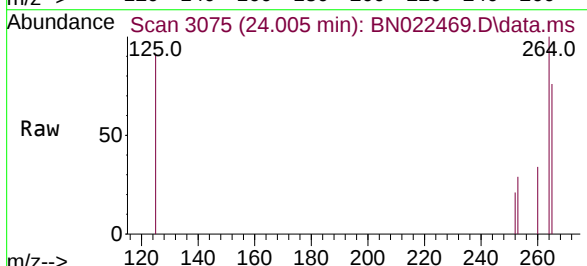
Tgt Ion:149 Resp: 3085
Ion Ratio Lower Upper
149 100
167 27.4 20.2 30.4
279 3.1 2.3 3.5

Manual Integrations
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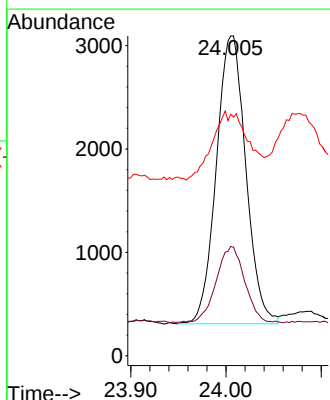
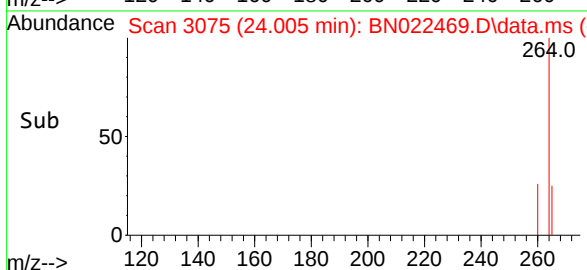
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

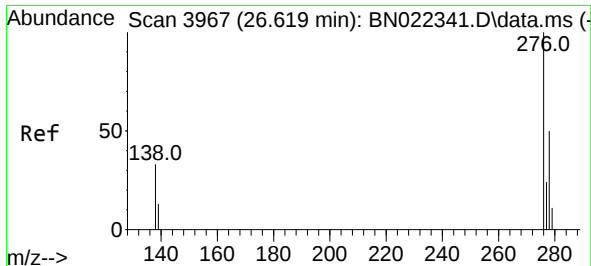


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.005 min Scan# 3075
Delta R.T. 0.003 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17



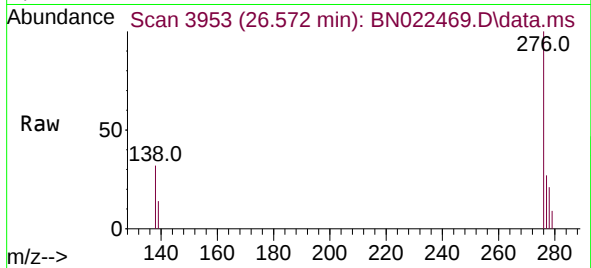
Tgt Ion:264 Resp: 6001
Ion Ratio Lower Upper
264 100
260 34.2 22.1 33.1#
265 75.5 53.0 79.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.190 ng
RT: 26.572 min Scan# 3967
Delta R.T. 0.005 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

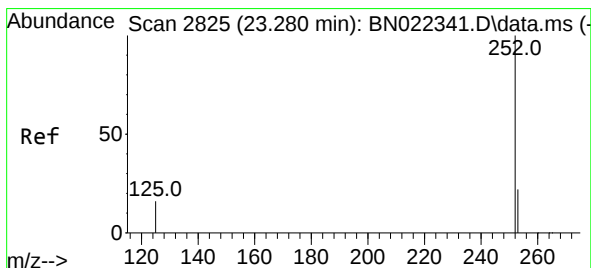
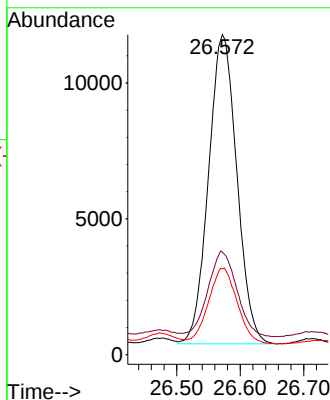
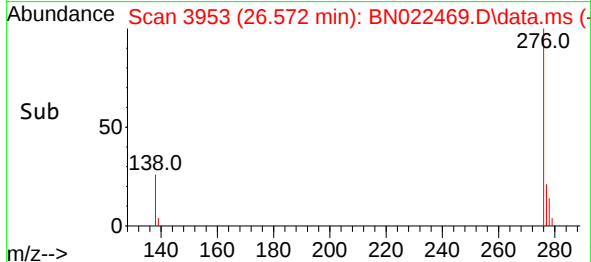
Instrument :
BNA_N
ClientSampleId :
S-2-103122



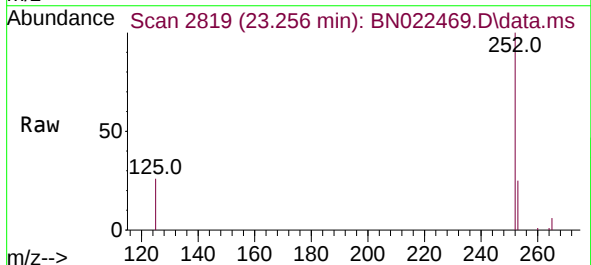
Tgt Ion:276 Resp: 35263
Ion Ratio Lower Upper
276 100
138 28.3 28.2 42.2
277 25.2 19.7 29.5

Manual Integrations
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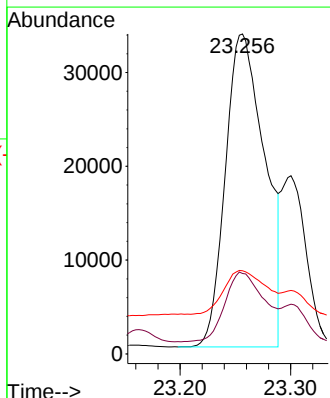
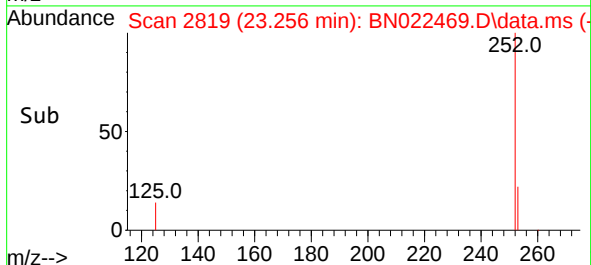
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

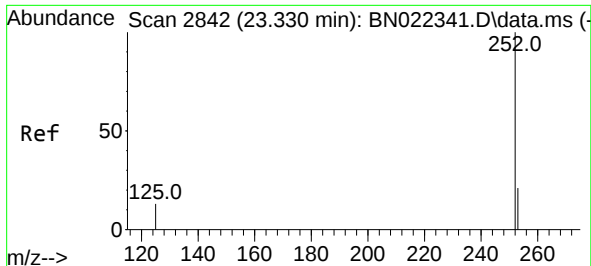


#37
Benzo(b)fluoranthene
Concen: 3.013 ng
RT: 23.256 min Scan# 2819
Delta R.T. 0.008 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17



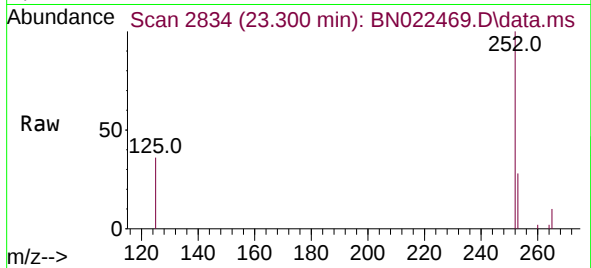
Tgt Ion:252 Resp: 82758
Ion Ratio Lower Upper
252 100
253 25.1 20.4 30.6
125 26.0 16.6 25.0#





#38
Benzo(k)fluoranthene
Concen: 1.040 ng m
RT: 23.300 min Scan# 2841
Delta R.T. 0.003 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

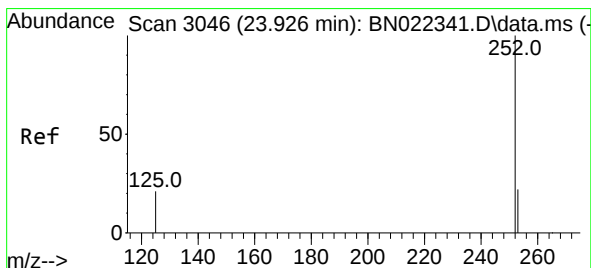
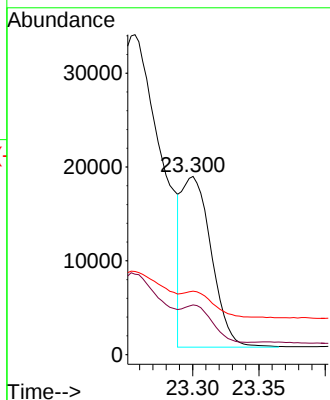
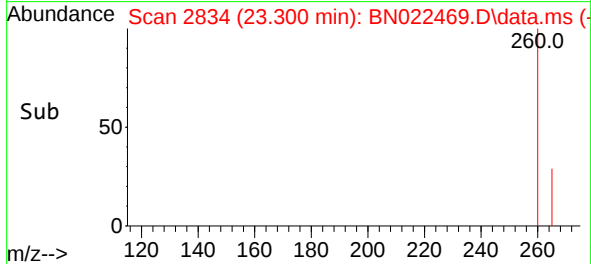
Instrument :
BNA_N
ClientSampleId :
S-2-103122



Tgt Ion:252 Resp: 2841
Ion Ratio Lower Upper
252 100
253 27.9 19.8 29.8
125 35.6 15.0 22.6

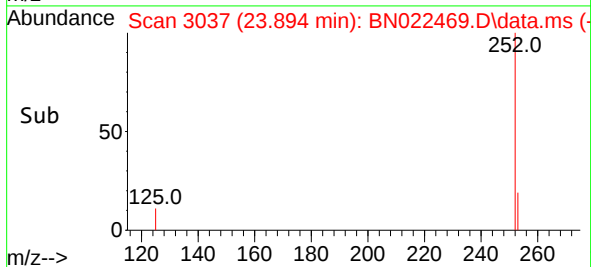
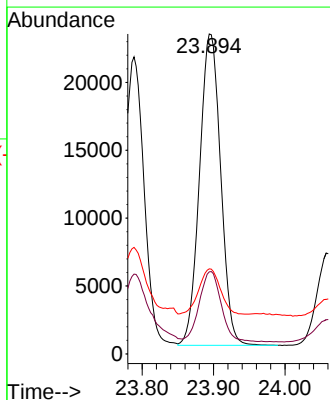
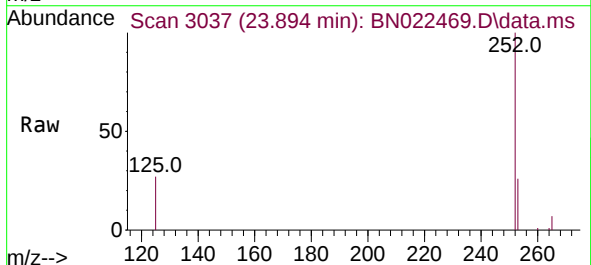
Manual Integrations
APPROVED

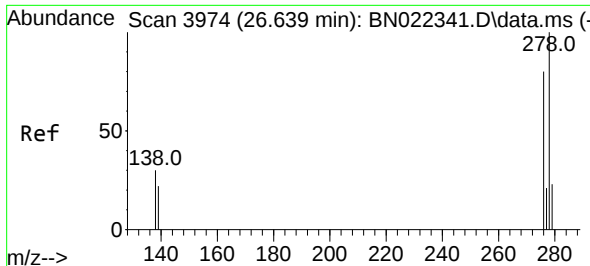
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#39
Benzo(a)pyrene
Concen: 2.107 ng
RT: 23.894 min Scan# 3037
Delta R.T. 0.003 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

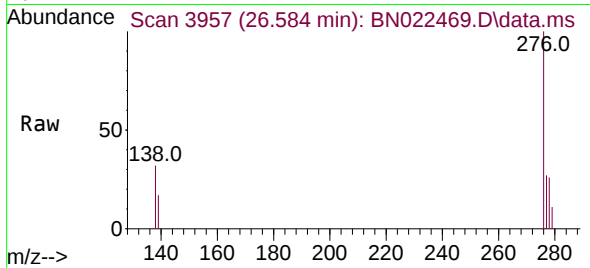
Tgt Ion:252 Resp: 47100
Ion Ratio Lower Upper
252 100
253 25.6 21.9 32.9
125 26.6 22.9 34.3





#40
Dibenzo(a,h)anthracene
Concen: 0.391 ng
RT: 26.584 min Scan# 3974
Delta R.T. -0.003 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

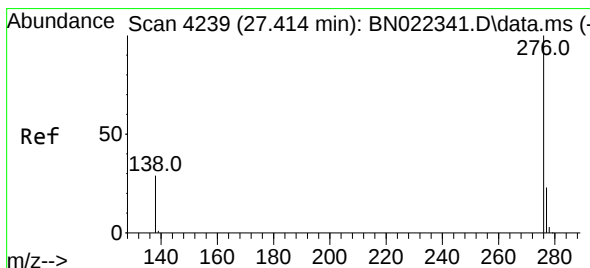
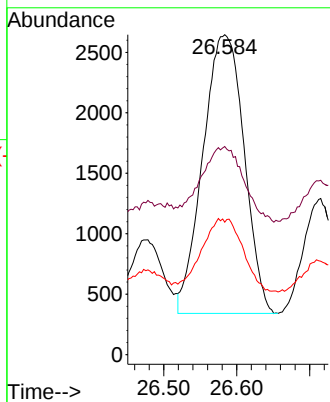
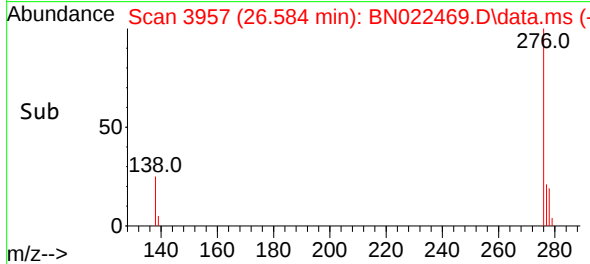
Instrument :
BNA_N
ClientSampleId :
S-2-103122



Tgt Ion:278 Resp: 9050
Ion Ratio Lower Upper
278 100
139 65.0 20.2 30.2
279 41.4 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#41
Benzo(g,h,i)perylene
Concen: 1.407 ng
RT: 27.370 min Scan# 4226
Delta R.T. 0.011 min
Lab File: BN022469.D
Acq: 02 Nov 2022 18:17

Tgt Ion:276 Resp: 34362
Ion Ratio Lower Upper
276 100
277 26.4 19.5 29.3
138 31.9 25.0 37.4

