

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
 Data File : BN022467.D
 Acq On : 02 Nov 2022 17:01
 Operator : CG/JU
 Sample : N5395-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-7-103122

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 06:24:33 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	3920	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	10992	0.400	ng	0.00
13) Acenaphthene-d10	14.600	164	5038	0.400	ng	0.01
19) Phenanthrene-d10	17.350	188	9115	0.400	ng	0.00
29) Chrysene-d12	21.555	240	7957	0.400	ng	# 0.00
35) Perylene-d12	24.005	264	7803	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.465	112	2374	0.227	ng	0.00
5) Phenol-d6	7.090	99	4040	0.309	ng	0.00
8) Nitrobenzene-d5	9.108	82	2456	0.258	ng	0.00
11) 2-Methylnaphthalene-d10	12.349	152	3219	0.187	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	571	0.264	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	4707	0.218	ng	0.00
27) Fluoranthene-d10	19.390	212	4158	0.165	ng	0.00
31) Terphenyl-d14	19.989	244	3827	0.185	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.350	93	292	0.023	ng	# 83
9) Naphthalene	10.805	128	9844	0.300	ng	99
16) Acenaphthylene	14.322	152	5313	0.218	ng	98
17) Acenaphthene	14.664	154	1935	0.116	ng	98
18) Fluorene	15.647	166	3038	0.131	ng	# 97
25) Phenanthrene	17.387	178	37647	1.205	ng	99
26) Anthracene	17.487	178	9072	0.345	ng	96
28) Fluoranthene	19.420	202	73455	2.168	ng	99
30) Pyrene	19.787	202	68274	1.864	ng	# 95
32) Benzo(a)anthracene	21.537	228	41129	1.313	ng	95
33) Chrysene	21.591	228	38290	1.169	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.457	149	8920	0.400	ng	92
36) Indeno(1,2,3-cd)pyrene	26.569	276	27007	0.701	ng	93
37) Benzo(b)fluoranthene	23.257	252	54291	1.520	ng	# 94
38) Benzo(k)fluoranthene	23.301	252	19495m	0.549	ng	
39) Benzo(a)pyrene	23.894	252	38649	1.330	ng	99
40) Dibenzo(a,h)anthracene	26.584	278	6723	0.223	ng	# 39
41) Benzo(g,h,i)perylene	27.370	276	26426	0.832	ng	93

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

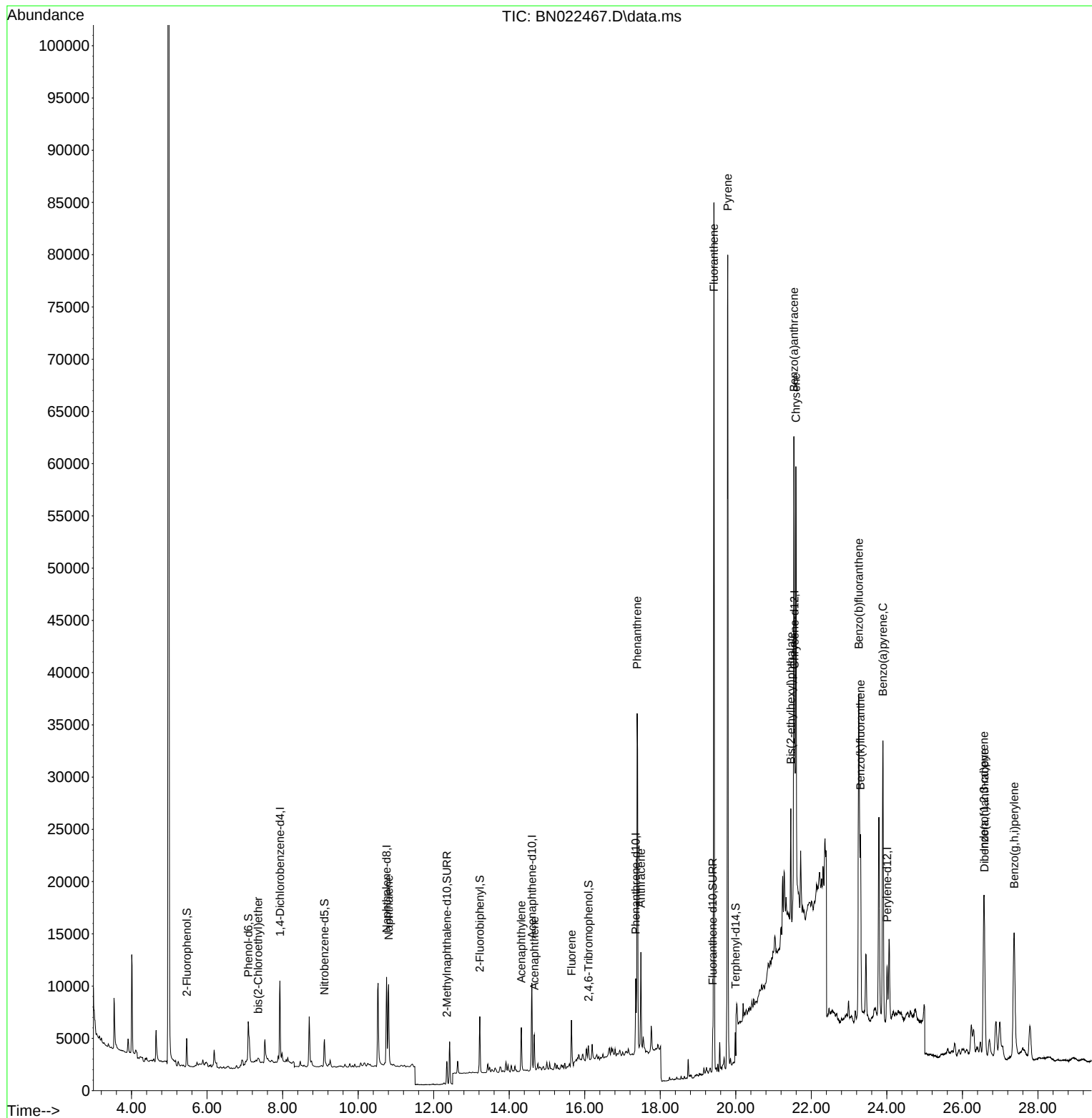
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
Data File : BN022467.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

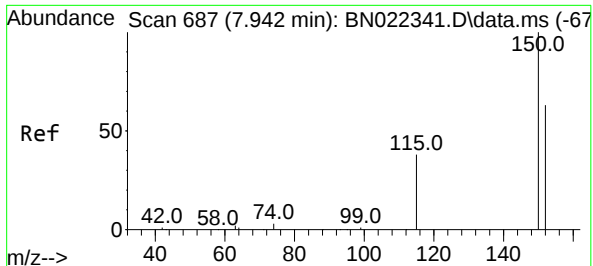
Instrument :
BNA_N
ClientSampleId :
S-7-103122

Quant Time: Nov 03 06:24:33 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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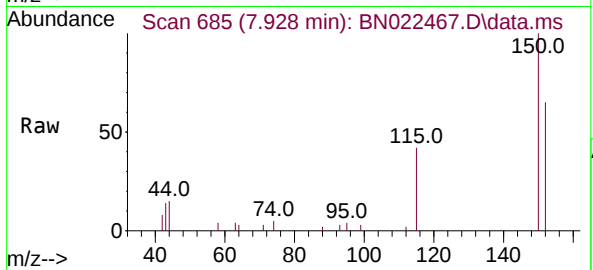
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 687
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

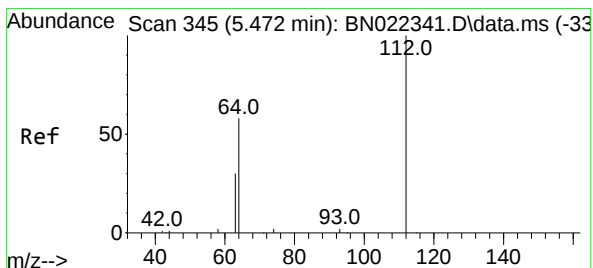
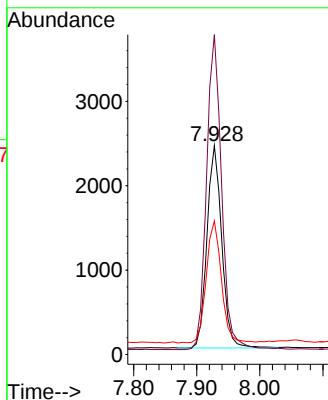
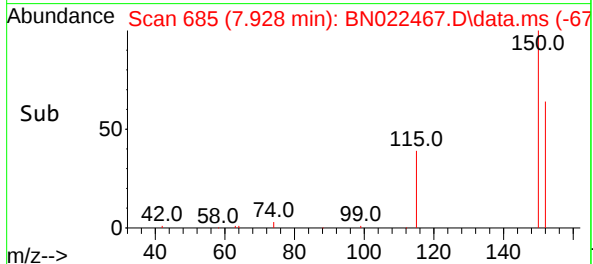
Instrument :
BNA_N
ClientSampleId :
S-7-103122



Tgt Ion:152 Resp: 3920
Ion Ratio Lower Upper
152 100
150 153.0 125.2 187.8
115 63.9 52.0 78.0

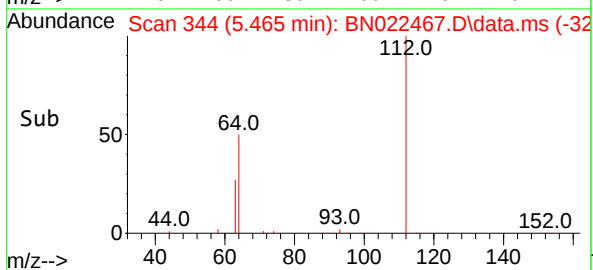
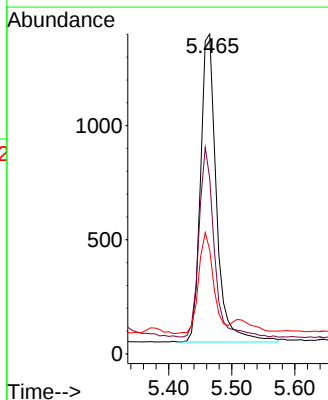
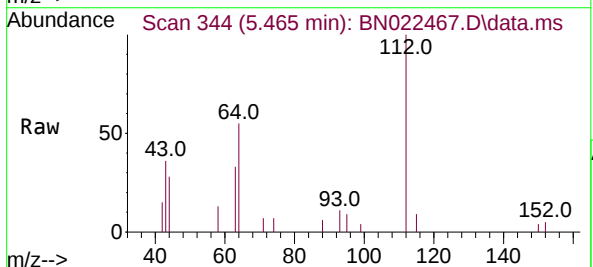
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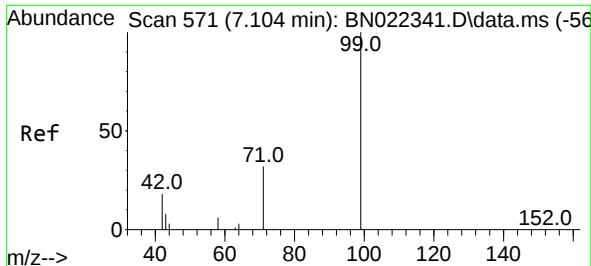
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#4
2-Fluorophenol
Concen: 0.227 ng
RT: 5.465 min Scan# 344
Delta R.T. 0.007 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

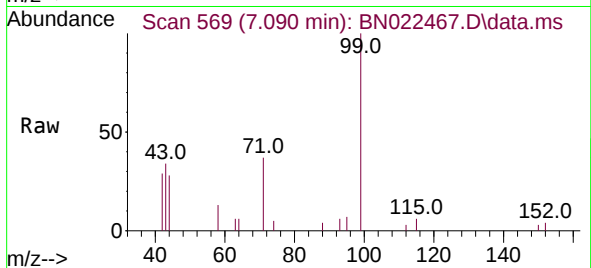
Tgt Ion:112 Resp: 2374
Ion Ratio Lower Upper
112 100
64 59.0 47.0 70.4
63 30.6 24.5 36.7





#5
Phenol-d6
Concen: 0.309 ng
RT: 7.090 min Scan# 50
Delta R.T. 0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

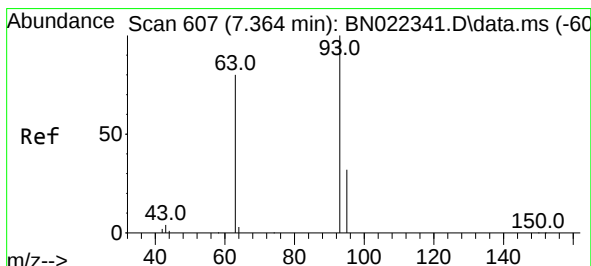
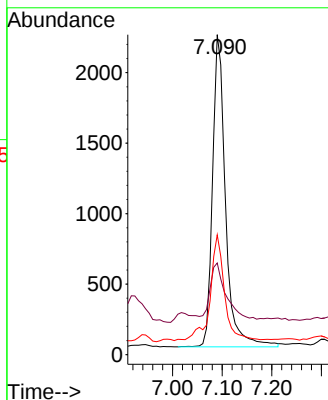
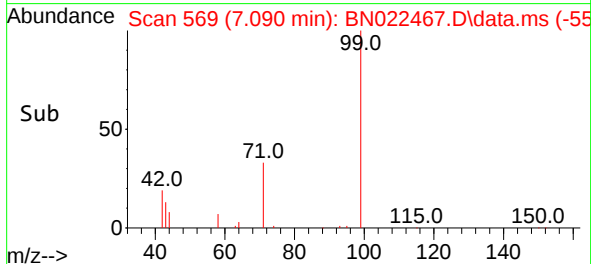
Instrument :
BNA_N
ClientSampleId :
S-7-103122



Tgt Ion: 99 Resp: 4040
Ion Ratio Lower Upper
99 100
42 21.0 16.3 24.5
71 37.5 26.1 39.1

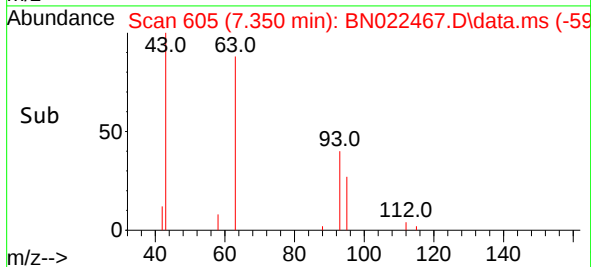
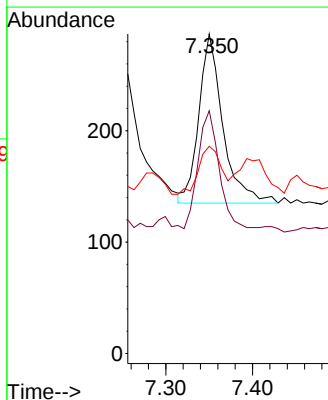
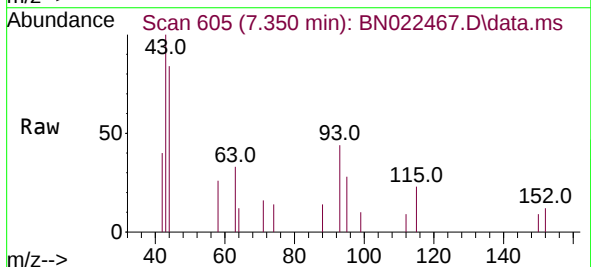
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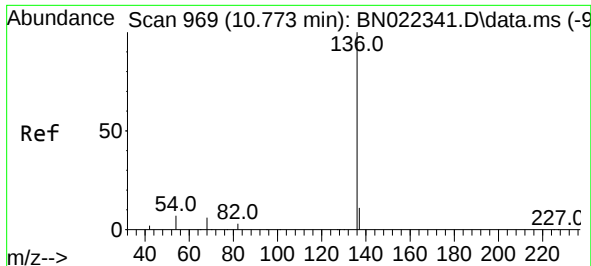
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.023 ng
RT: 7.350 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Tgt Ion: 93 Resp: 292
Ion Ratio Lower Upper
93 100
63 61.0 62.6 93.8#
95 27.7 26.1 39.1





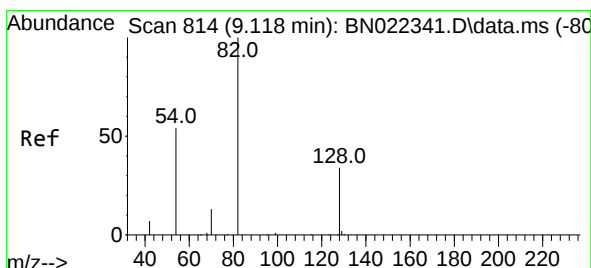
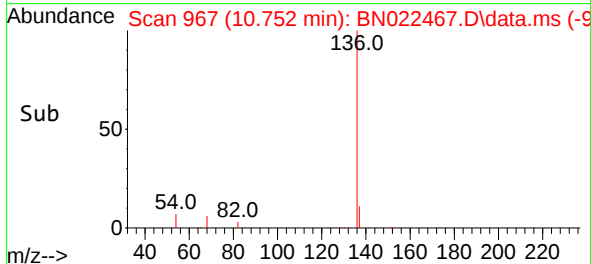
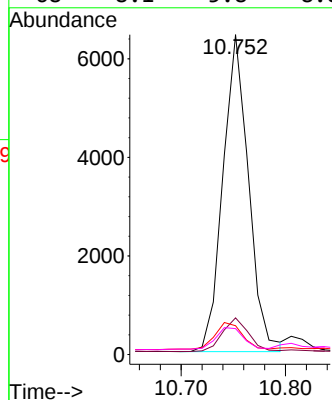
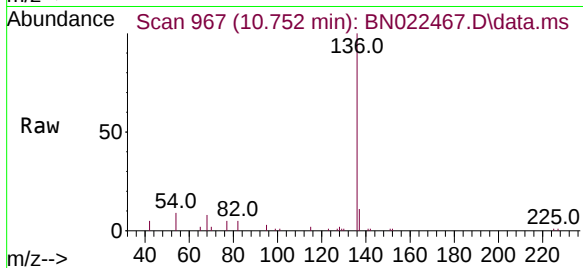
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 90
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Instrument :
BNA_N
ClientSampleId :
S-7-103122

Tgt Ion:	136	Resp:	10992
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.2
54	9.0	6.5	9.7
68	8.1	5.8	8.8

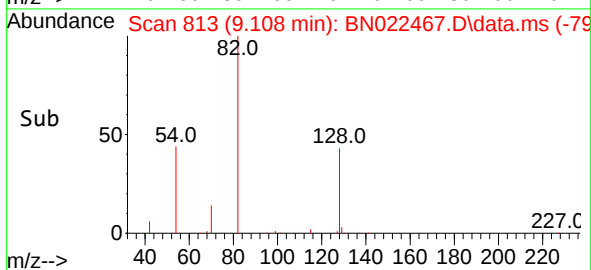
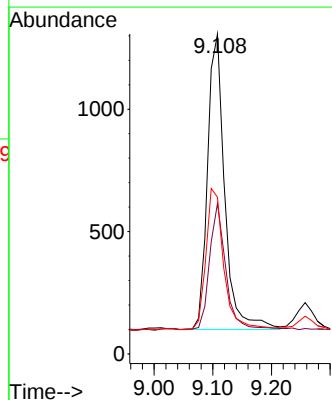
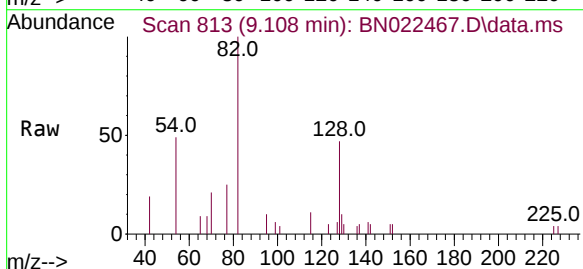
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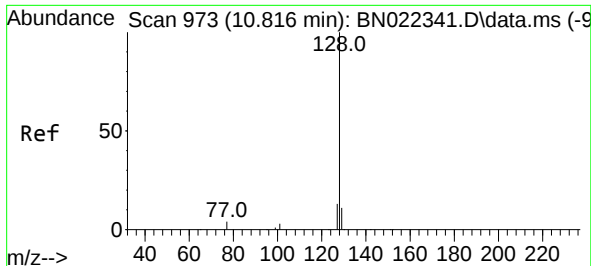
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#8
Nitrobenzene-d5
Concen: 0.258 ng
RT: 9.108 min Scan# 813
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Tgt Ion:	82	Resp:	2456
Ion	Ratio	Lower	Upper
82	100		
128	47.0	30.5	45.7#
54	49.0	45.2	67.8





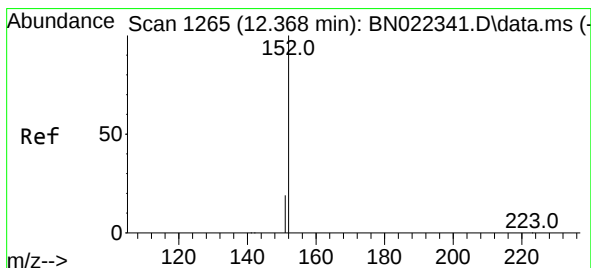
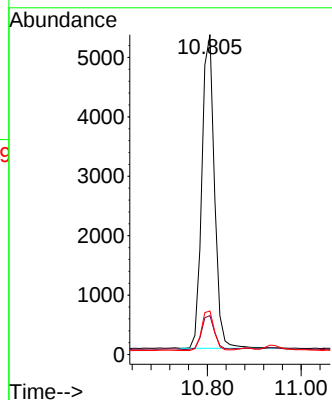
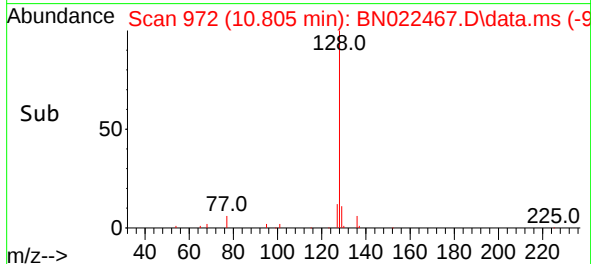
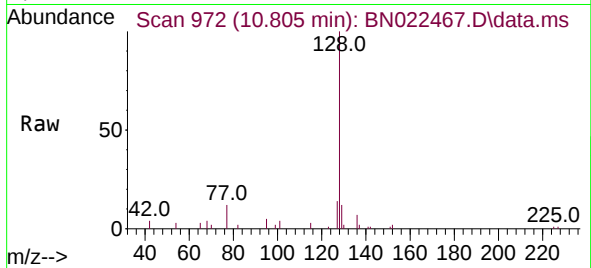
#9
Naphthalene
Concen: 0.300 ng
RT: 10.805 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Instrument :
BNA_N
ClientSampleId :
S-7-103122

Tgt Ion:128 Resp: 9844
Ion Ratio Lower Upper
128 100
129 12.2 9.4 14.2
127 13.6 11.0 16.6

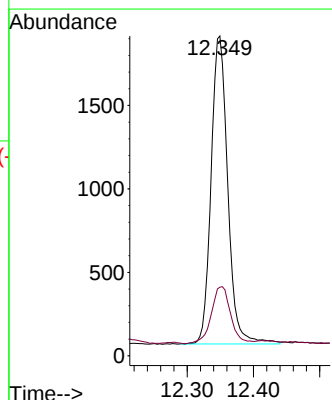
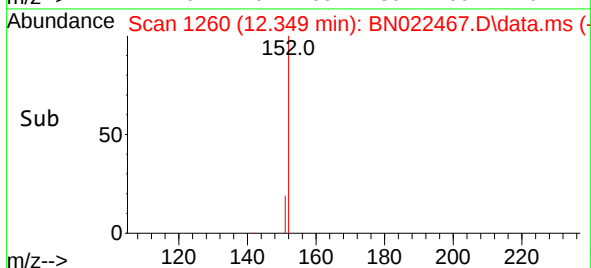
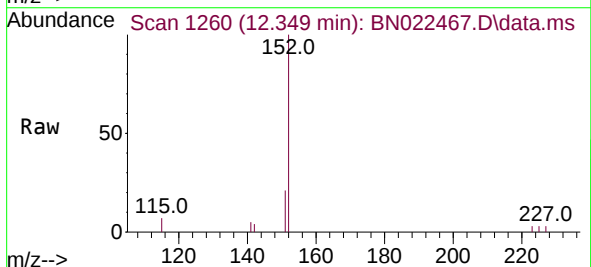
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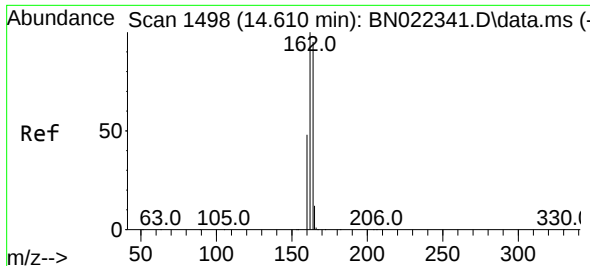
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#11
2-Methylnaphthalene-d10
Concen: 0.187 ng
RT: 12.349 min Scan# 1260
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

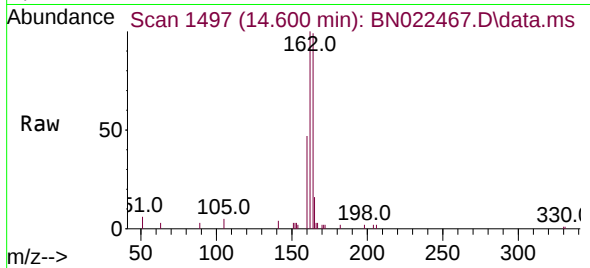
Tgt Ion:152 Resp: 3219
Ion Ratio Lower Upper
152 100
151 21.2 16.7 25.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.600 min Scan# 1498
Delta R.T. 0.011 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

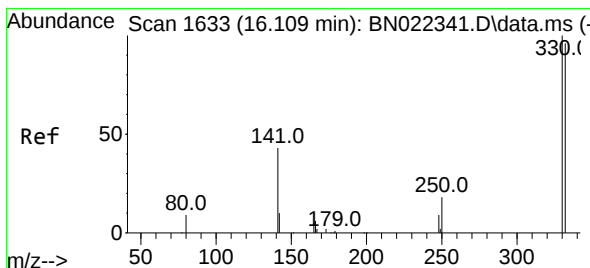
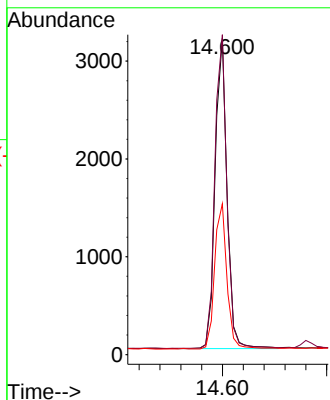
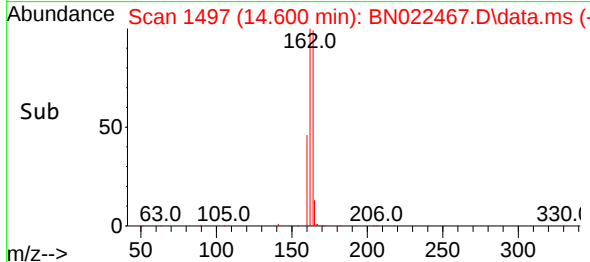
Instrument :
BNA_N
ClientSampleId :
S-7-103122



Tgt Ion:164 Resp: 5038
Ion Ratio Lower Upper
164 100
162 101.2 83.9 125.9
160 47.7 41.0 61.4

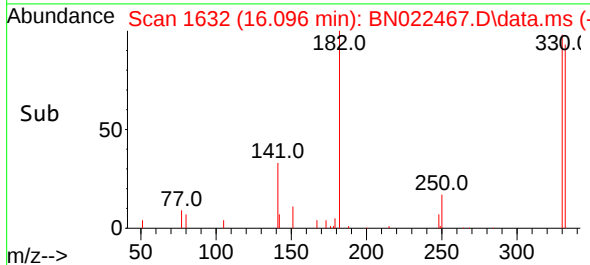
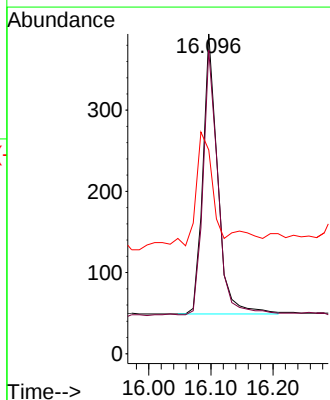
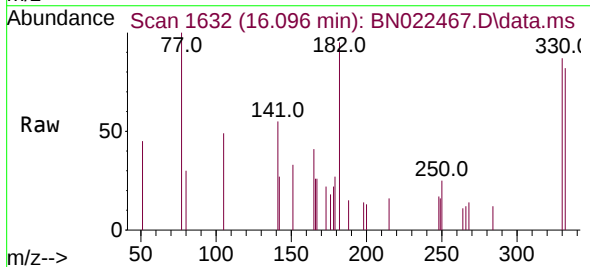
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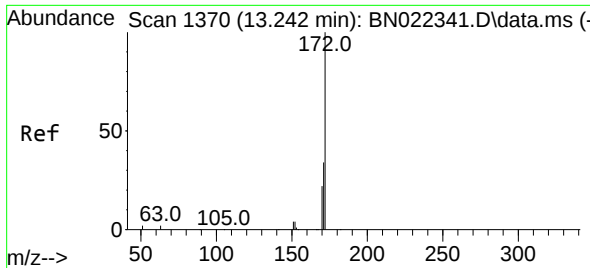
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#14
2,4,6-Tribromophenol
Concen: 0.264 ng
RT: 16.096 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Tgt Ion:330 Resp: 571
Ion Ratio Lower Upper
330 100
332 95.3 78.6 118.0
141 44.0 40.2 60.4





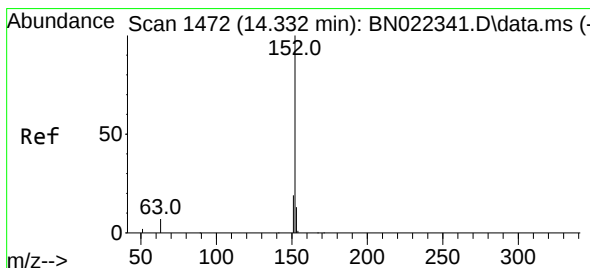
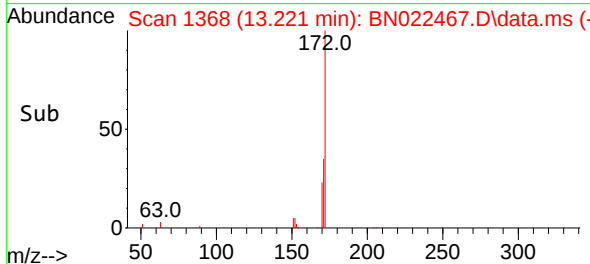
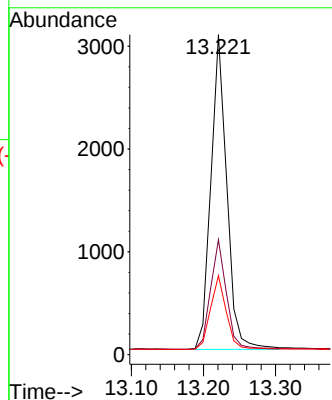
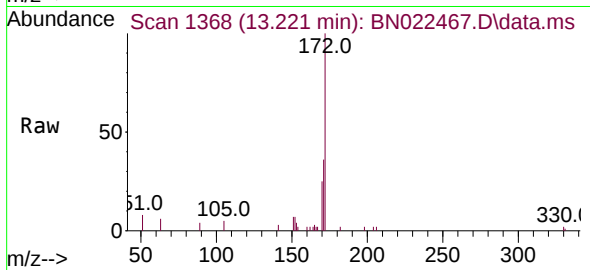
#15
2-Fluorobiphenyl
Concen: 0.218 ng
RT: 13.221 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Instrument :
BNA_N
ClientSampleId :
S-7-103122

Tgt Ion:	172	Resp:	470
Ion Ratio	Lower	Upper	
172	100		
171	35.9	27.4	41.0
170	24.7	18.5	27.7

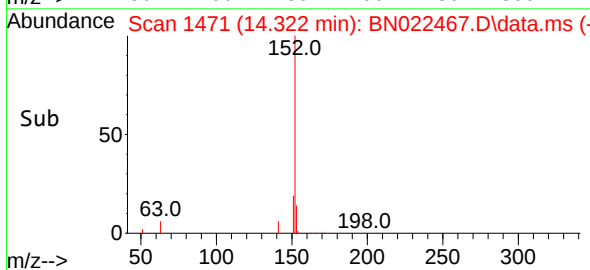
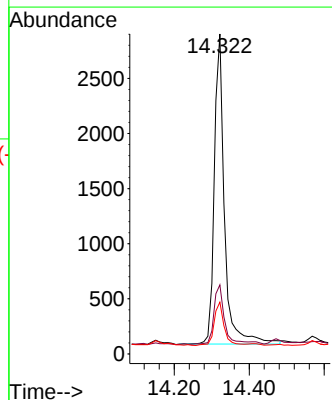
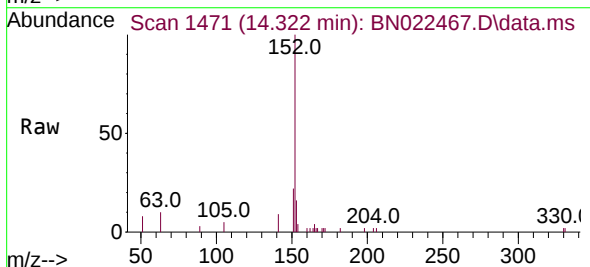
Manual Integrations
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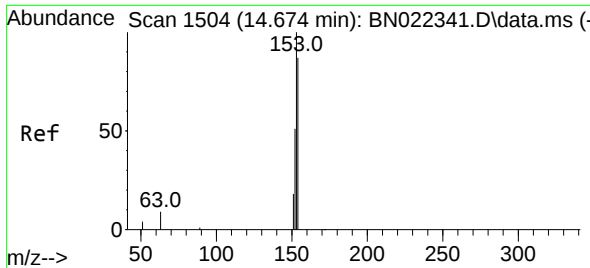
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#16
Acenaphthylene
Concen: 0.218 ng
RT: 14.322 min Scan# 1471
Delta R.T. 0.011 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Tgt Ion:	152	Resp:	5313
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.2	22.8
153	13.5	10.3	15.5





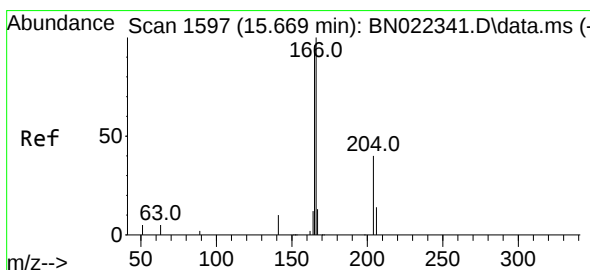
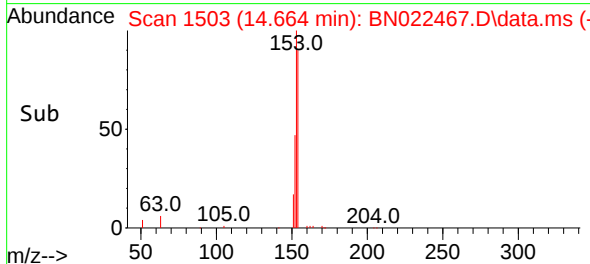
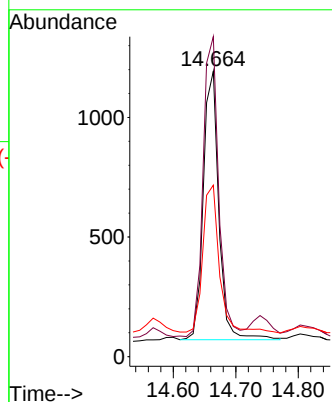
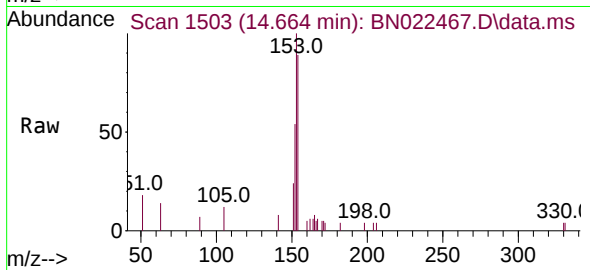
#17
Acenaphthene
Concen: 0.116 ng
RT: 14.664 min Scan# 1503
Delta R.T. 0.011 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Instrument :
BNA_N
ClientSampleId :
S-7-103122

Tgt Ion:154 Resp: 1935
Ion Ratio Lower Upper
154 100
153 111.8 92.2 138.2
152 59.3 47.6 71.4

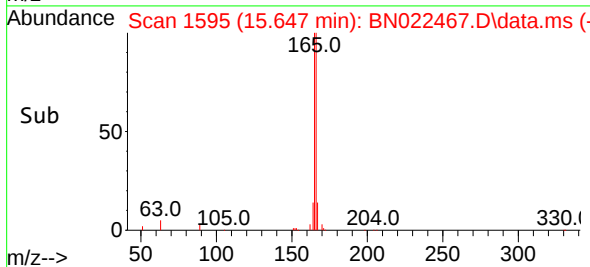
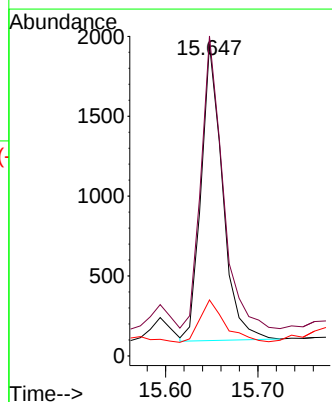
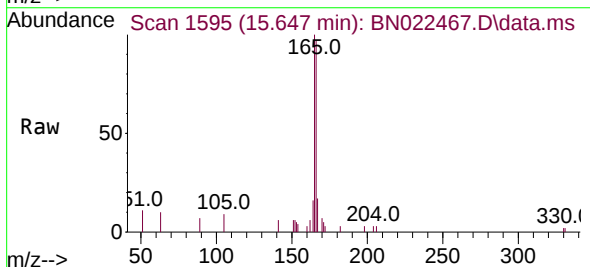
Manual Integrations
APPROVED

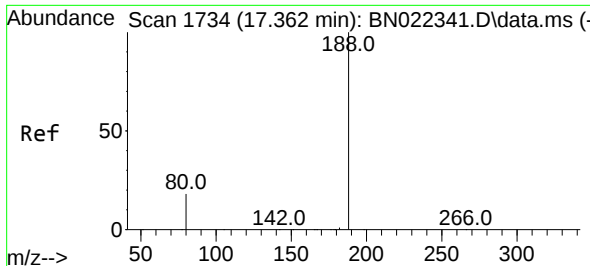
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#18
Fluorene
Concen: 0.131 ng
RT: 15.647 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

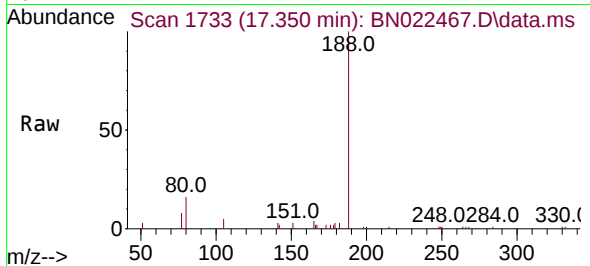
Tgt Ion:166 Resp: 3038
Ion Ratio Lower Upper
166 100
165 99.9 78.6 118.0
167 16.7 10.2 15.4





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

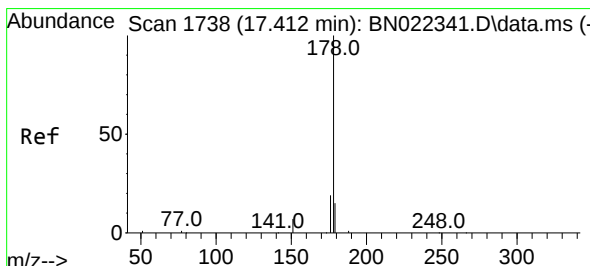
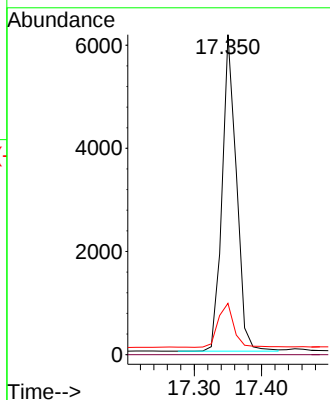
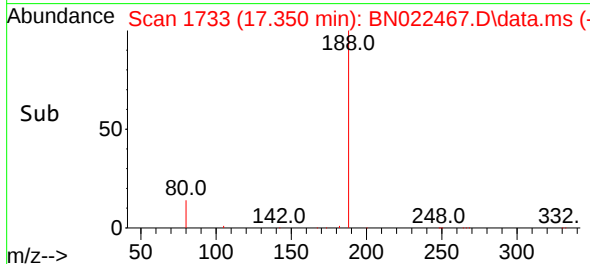
Instrument :
BNA_N
ClientSampleId :
S-7-103122



Tgt Ion:188 Resp: 9115
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.0 15.0 22.6

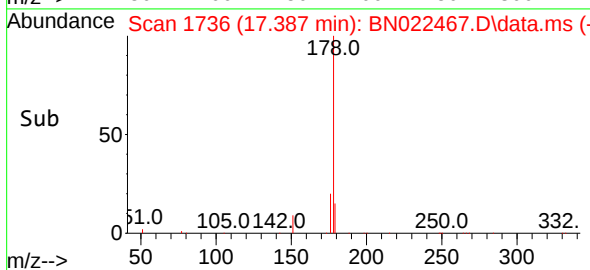
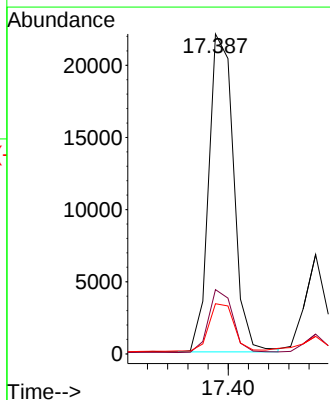
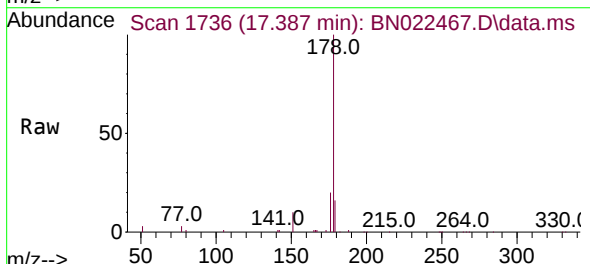
Manual Integrations
APPROVED

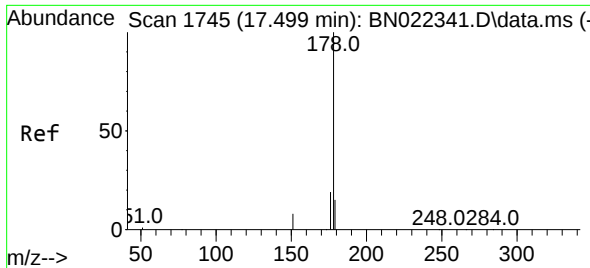
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#25
Phenanthrene
Concen: 1.205 ng
RT: 17.387 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Tgt Ion:178 Resp: 37647
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 16.0 12.5 18.7





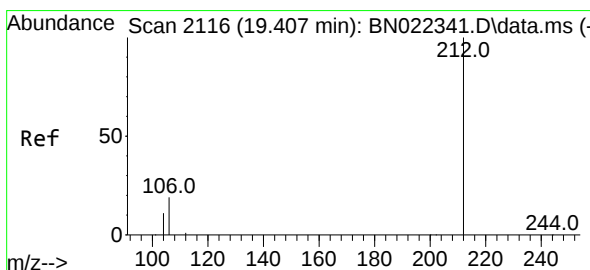
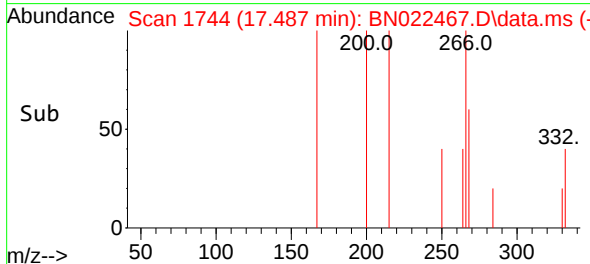
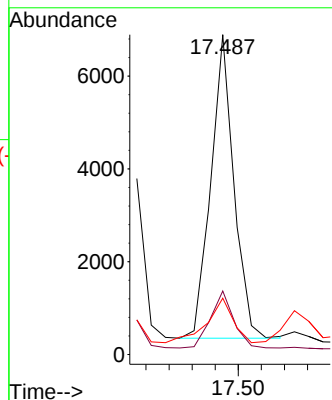
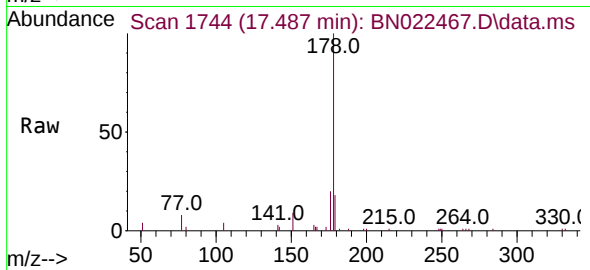
#26
 Anthracene
 Concen: 0.345 ng
 RT: 17.487 min Scan# 1744
 Delta R.T. 0.000 min
 Lab File: BN022467.D
 Acq: 02 Nov 2022 17:01

Instrument :
 BNA_N
 ClientSampleId :
 S-7-103122

Tgt Ion:178 Resp: 9072
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.0 22.4
 179 16.5 12.2 18.4

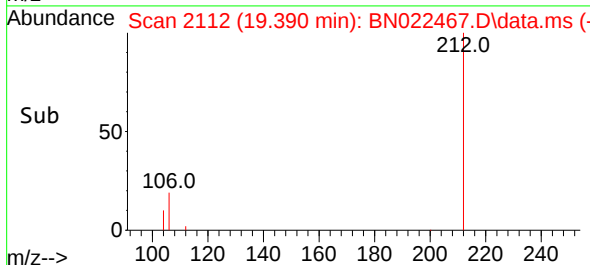
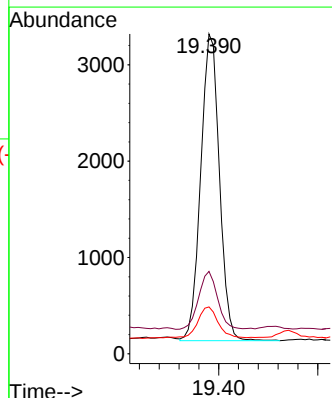
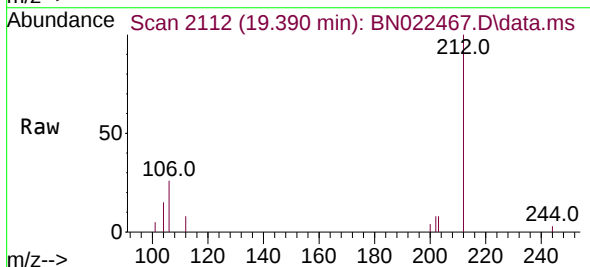
Manual Integrations
 APPROVED

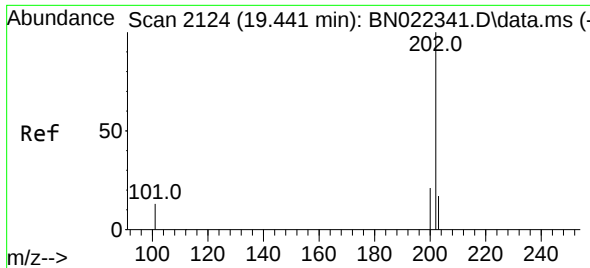
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022



#27
 Fluoranthene-d10
 Concen: 0.165 ng
 RT: 19.390 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: BN022467.D
 Acq: 02 Nov 2022 17:01

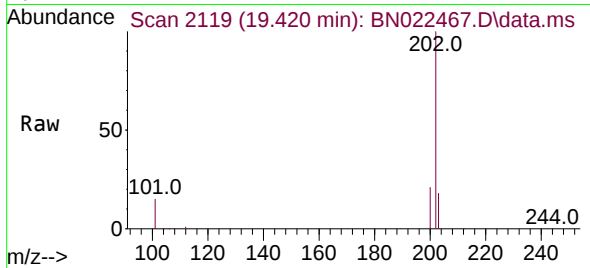
Tgt Ion:212 Resp: 4158
 Ion Ratio Lower Upper
 212 100
 106 19.2 15.0 22.4
 104 11.8 9.3 13.9





#28
Fluoranthene
Concen: 2.168 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

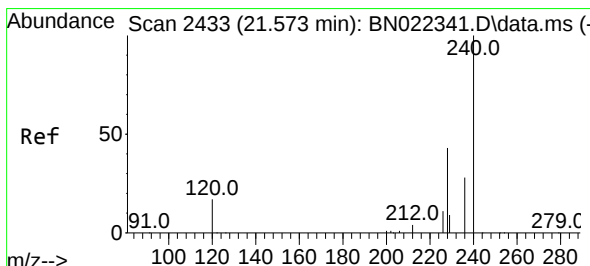
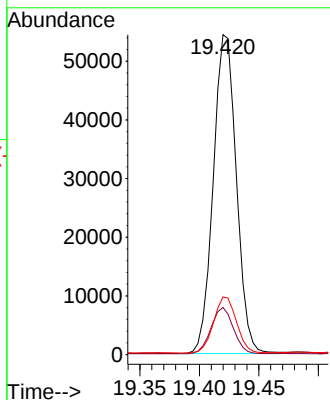
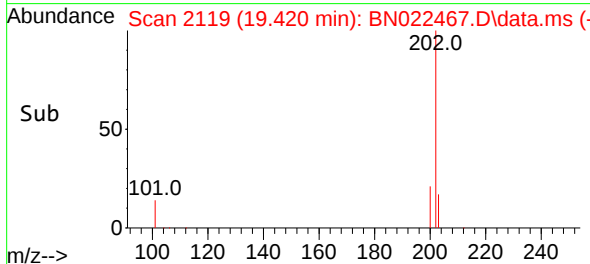
Instrument :
BNA_N
ClientSampleId :
S-7-103122



Tgt Ion:202 Resp: 7345
Ion Ratio Lower Upper
202 100
101 14.1 11.4 17.0
203 17.4 13.7 20.5

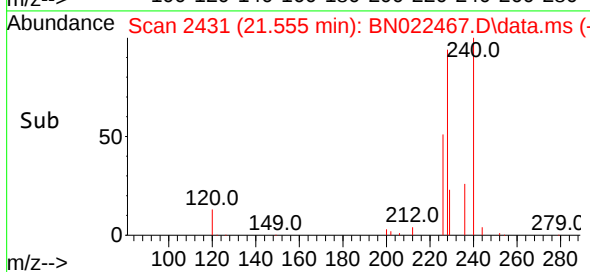
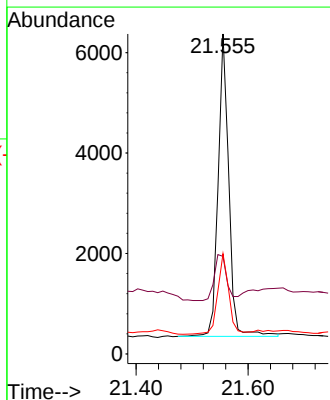
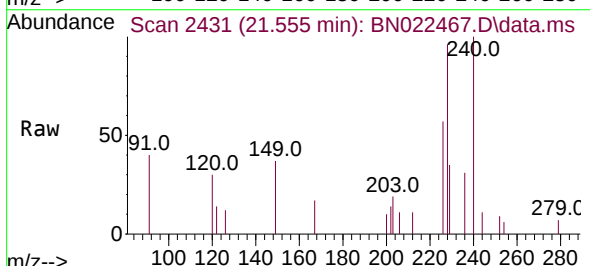
Manual Integrations
APPROVED

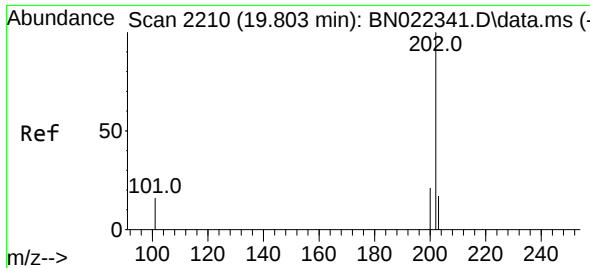
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Tgt Ion:240 Resp: 7957
Ion Ratio Lower Upper
240 100
120 30.5 15.8 23.6
236 31.3 23.2 34.8





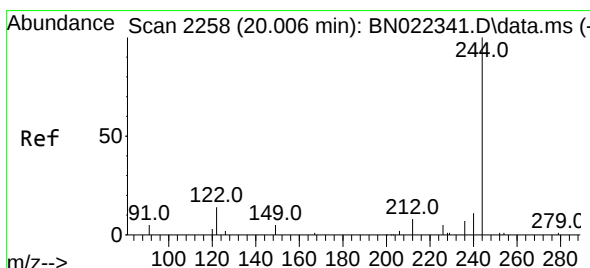
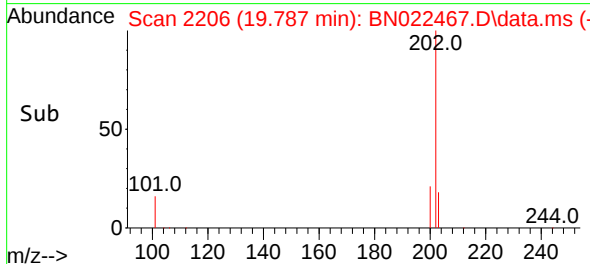
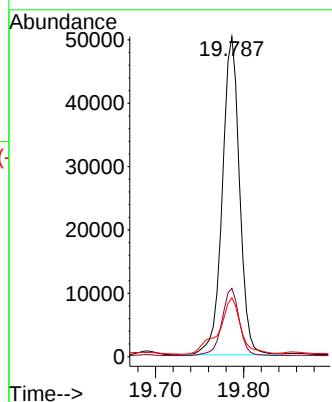
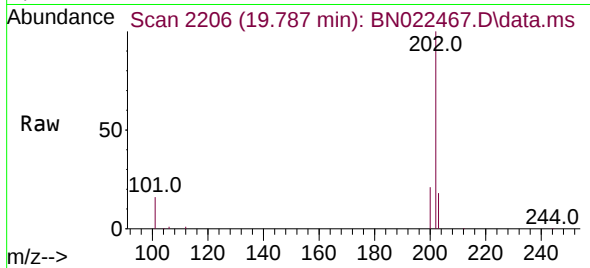
#30
Pyrene
Concen: 1.864 ng
RT: 19.787 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Instrument :
BNA_N
ClientSampleId :
S-7-103122

Tgt Ion:202 Resp: 68274
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 22.6 14.2 21.2

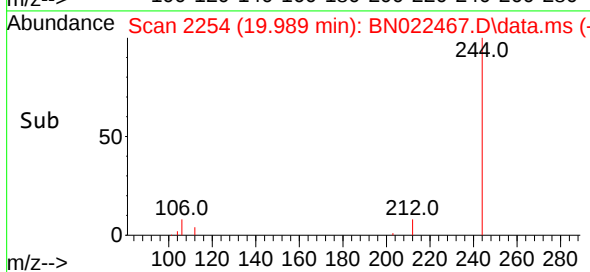
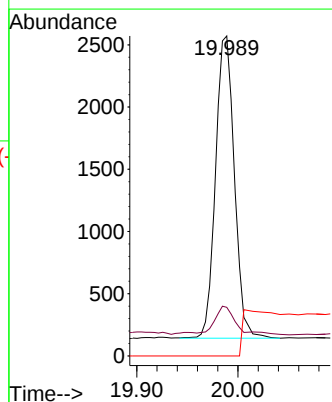
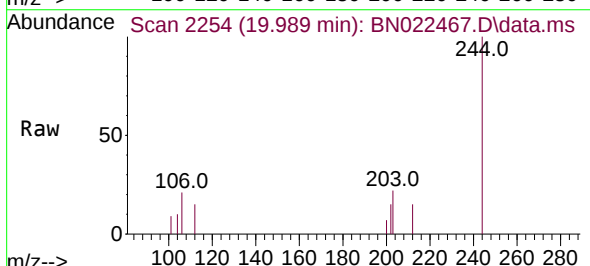
Manual Integrations
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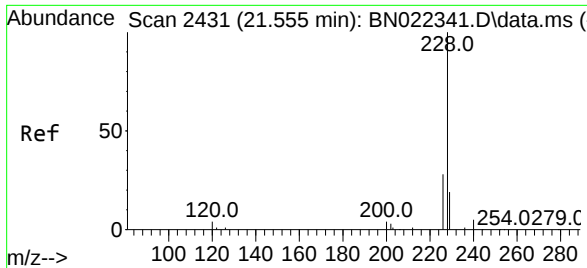
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#31
Terphenyl-d14
Concen: 0.185 ng
RT: 19.989 min Scan# 2254
Delta R.T. 0.004 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

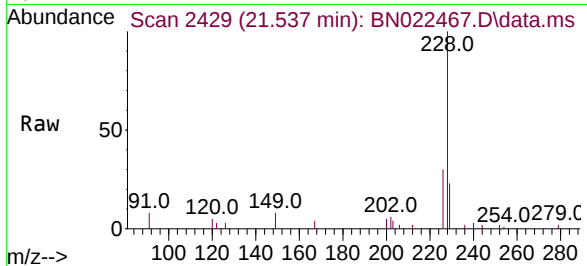
Tgt Ion:244 Resp: 3827
Ion Ratio Lower Upper
244 100
212 15.2 7.0 10.4#
122 0.0 11.5 17.3#





#32
Benzo(a)anthracene
Concen: 1.313 ng
RT: 21.537 min Scan# 2429
Delta R.T. 0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

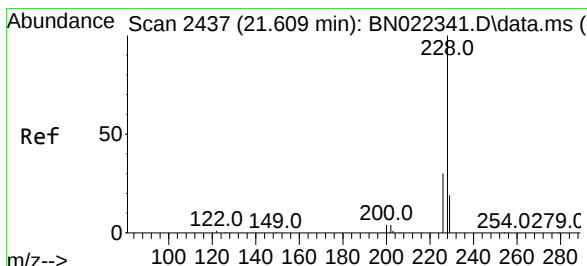
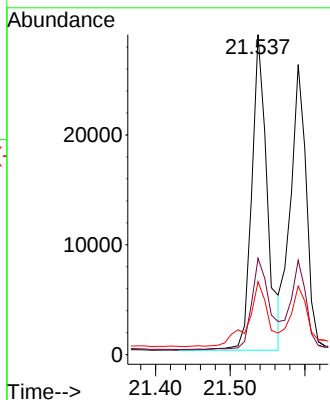
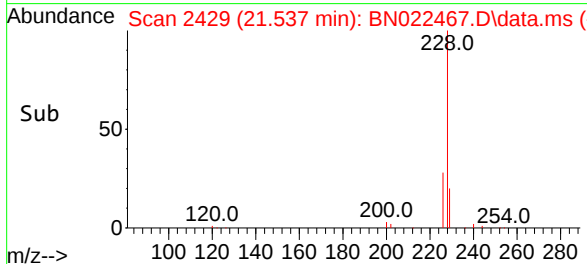
Instrument :
BNA_N
ClientSampleId :
S-7-103122



Tgt Ion:228 Resp: 41129
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 22.8 15.5 23.3

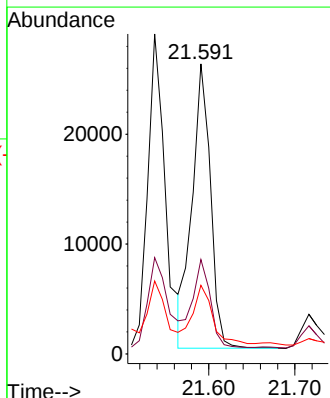
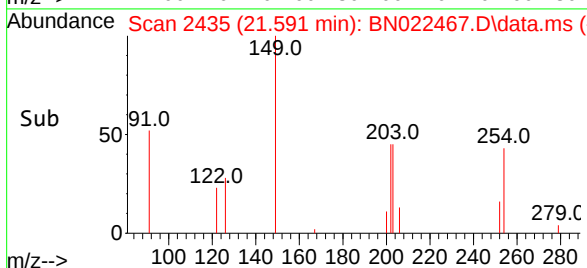
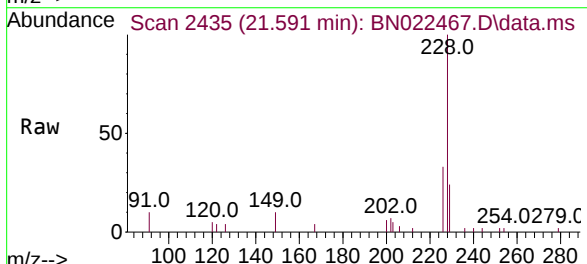
Manual Integrations
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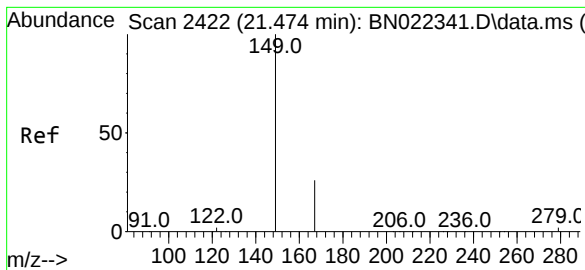
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#33
Chrysene
Concen: 1.169 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

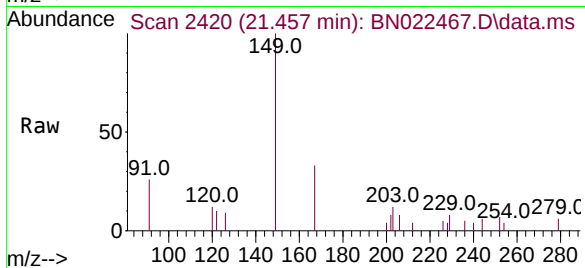
Tgt Ion:228 Resp: 38290
Ion Ratio Lower Upper
228 100
226 32.5 24.5 36.7
229 23.6 15.6 23.4#





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.400 ng
 RT: 21.457 min Scan# 2422
 Delta R.T. 0.009 min
 Lab File: BN022467.D
 Acq: 02 Nov 2022 17:01

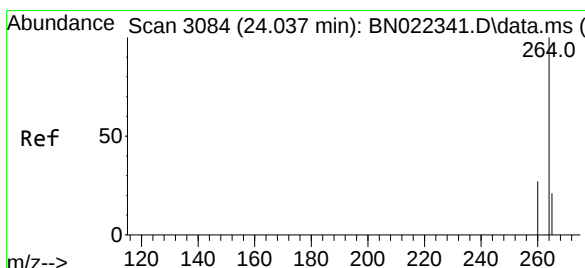
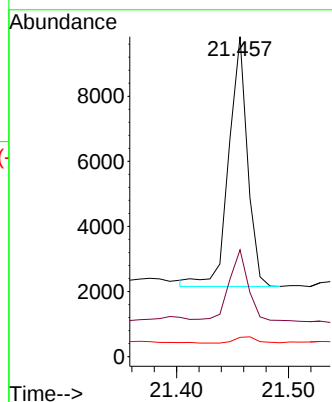
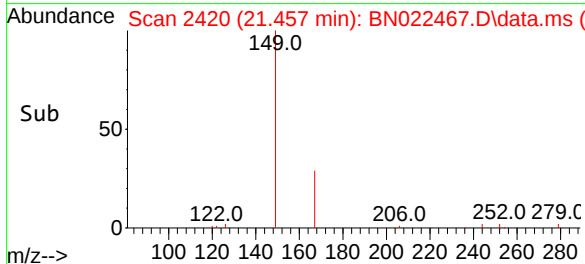
Instrument :
 BNA_N
 ClientSampleId :
 S-7-103122



Tgt Ion:149 Resp: 8920
 Ion Ratio Lower Upper
 149 100
 167 30.0 20.2 30.4
 279 3.1 2.3 3.5

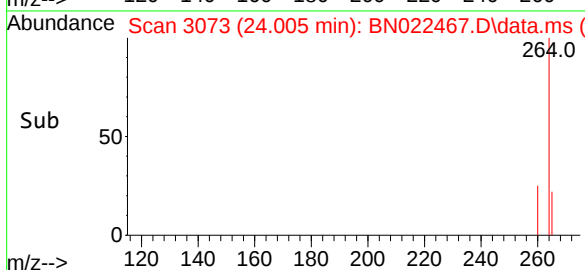
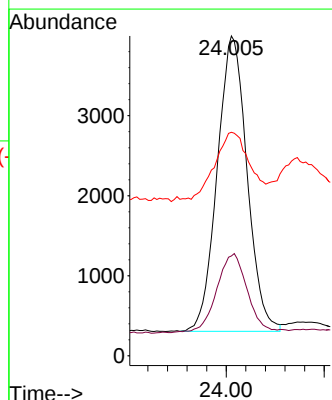
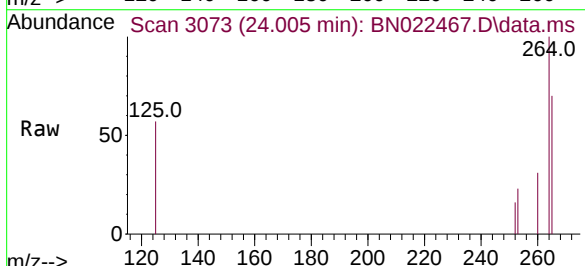
Manual Integrations
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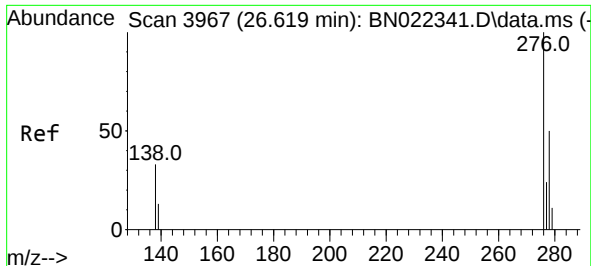
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.005 min Scan# 3073
 Delta R.T. 0.003 min
 Lab File: BN022467.D
 Acq: 02 Nov 2022 17:01

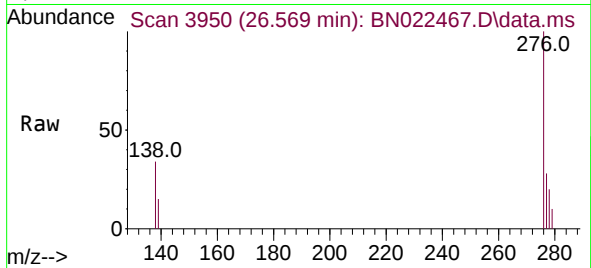
Tgt Ion:264 Resp: 7803
 Ion Ratio Lower Upper
 264 100
 260 31.2 22.1 33.1
 265 69.9 53.0 79.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.701 ng
RT: 26.569 min Scan# 3967
Delta R.T. 0.003 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

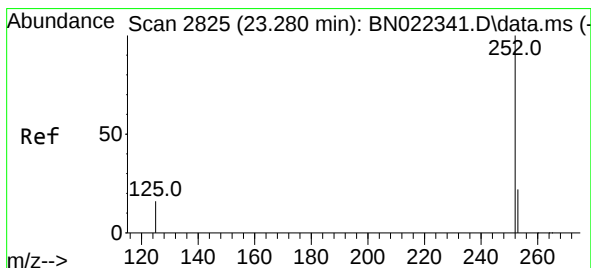
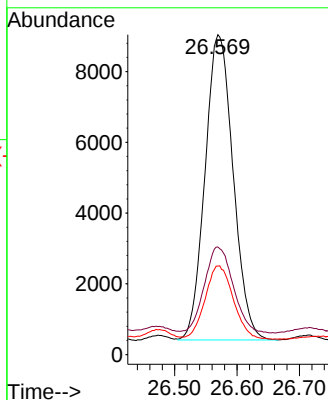
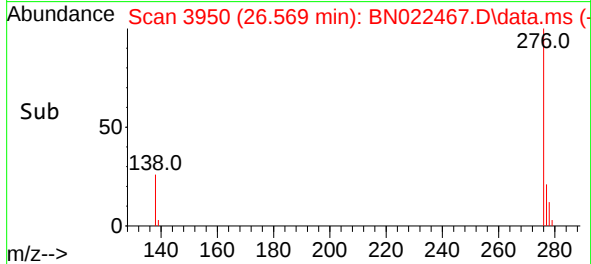
Instrument :
BNA_N
ClientSampleId :
S-7-103122



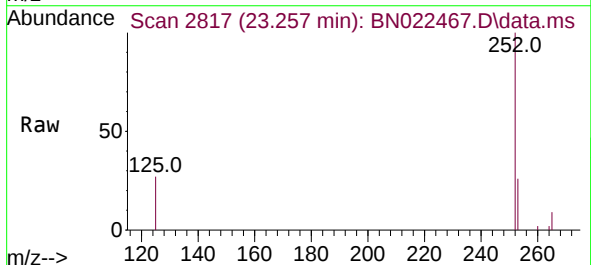
Tgt Ion: 276 Resp: 2700
Ion Ratio Lower Upper
276 100
138 29.0 28.2 42.2
277 24.3 19.7 29.5

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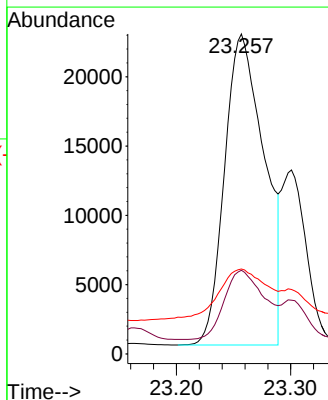
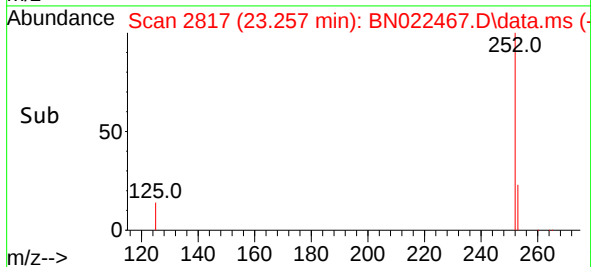
Reviewed By : Christian Giraldo 11/03/2022
Supervised By : mohammad ahmed 11/07/2022

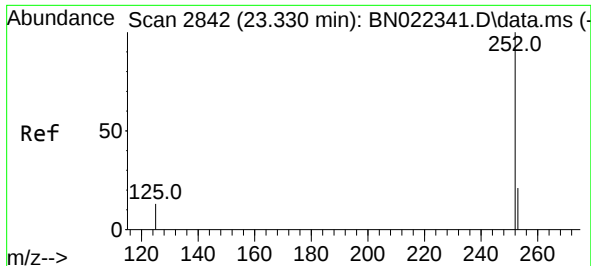


#37
Benzo(b)fluoranthene
Concen: 1.520 ng
RT: 23.257 min Scan# 2817
Delta R.T. 0.009 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01



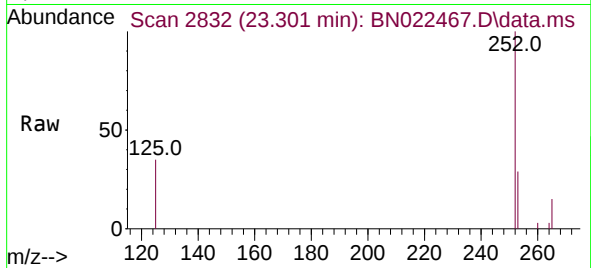
Tgt Ion: 252 Resp: 54291
Ion Ratio Lower Upper
252 100
253 26.1 20.4 30.6
125 26.5 16.6 25.0#





#38
Benzo(k)fluoranthene
Concen: 0.549 ng m
RT: 23.301 min Scan# 2842
Delta R.T. 0.003 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

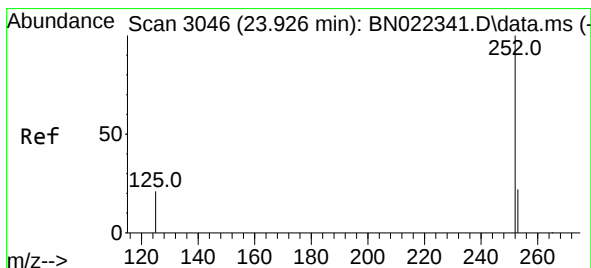
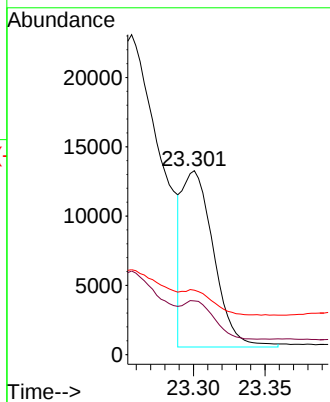
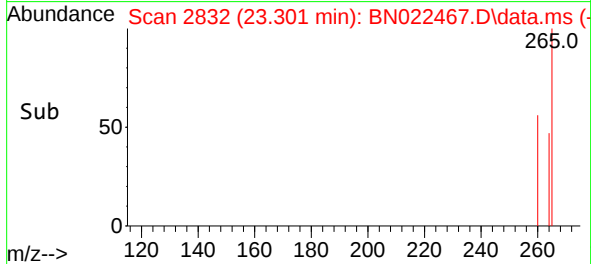
Instrument :
BNA_N
ClientSampleId :
S-7-103122



Tgt Ion:252 Resp: 19495
Ion Ratio Lower Upper
252 100
253 29.2 19.8 29.8
125 35.0 15.0 22.6

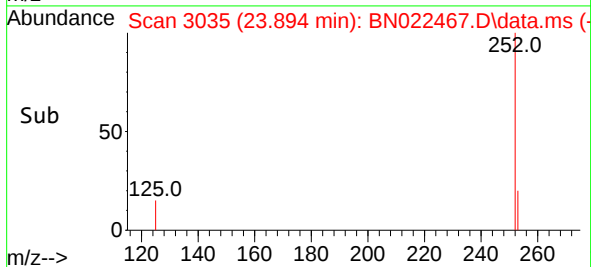
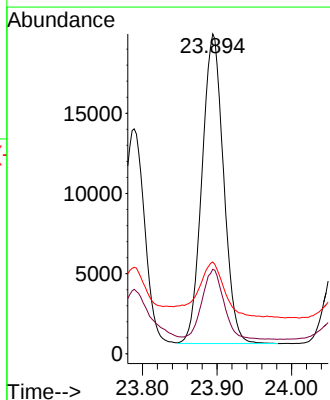
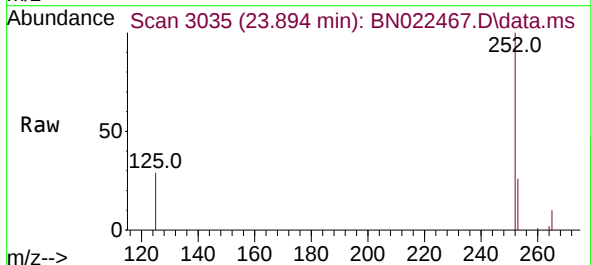
Manual Integrations
APPROVED

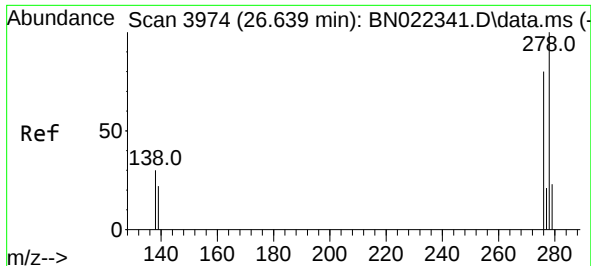
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#39
Benzo(a)pyrene
Concen: 1.330 ng
RT: 23.894 min Scan# 3035
Delta R.T. 0.003 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

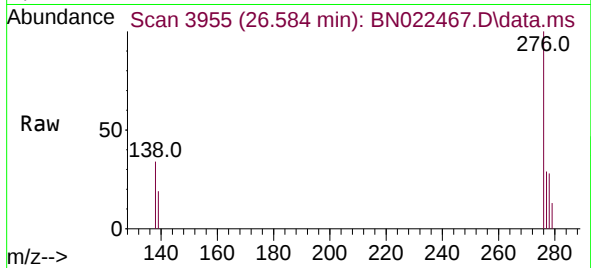
Tgt Ion:252 Resp: 38649
Ion Ratio Lower Upper
252 100
253 26.4 21.9 32.9
125 28.7 22.9 34.3





#40
Dibenzo(a,h)anthracene
Concen: 0.223 ng
RT: 26.584 min Scan# 3974
Delta R.T. -0.003 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

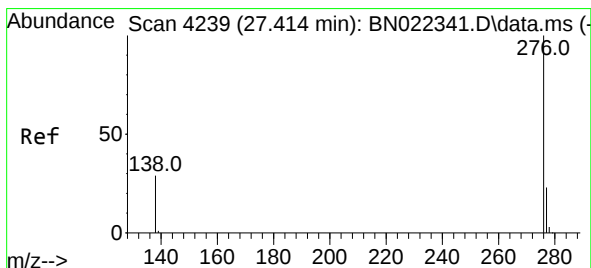
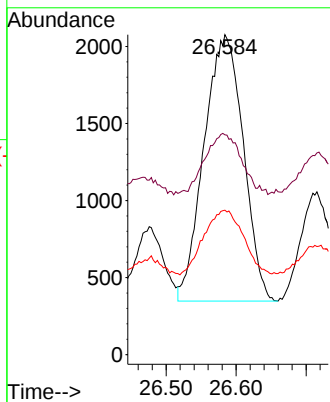
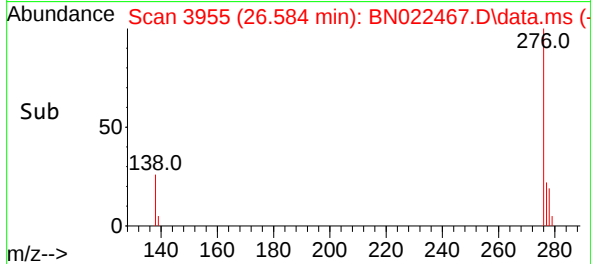
Instrument :
BNA_N
ClientSampleId :
S-7-103122



Tgt Ion:278 Resp: 6723
Ion Ratio Lower Upper
278 100
139 68.7 20.2 30.2
279 45.1 21.0 31.4

Manual Integrations
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#41
Benzo(g,h,i)perylene
Concen: 0.832 ng
RT: 27.370 min Scan# 4224
Delta R.T. 0.012 min
Lab File: BN022467.D
Acq: 02 Nov 2022 17:01

Tgt Ion:276 Resp: 26426
Ion Ratio Lower Upper
276 100
277 27.9 19.5 29.3
138 35.3 25.0 37.4

