

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022505.D
 Acq On : 04 Nov 2022 09:26
 Operator : CG/JU
 Sample : N5395-03DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-11-103122DL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022

Quant Time: Nov 04 13:56:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	3362	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	16343	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	9721	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	19828	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	11892	0.400	ng	# 0.00
35) Perylene-d12	24.005	264	9318	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	1820	0.192	ng	0.00
5) Phenol-d6	7.083	99	2017	0.169	ng	0.00
8) Nitrobenzene-d5	9.097	82	1409	0.095	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	2596	0.095	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	545	0.107	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	3919	0.097	ng	-0.01
27) Fluoranthene-d10	19.386	212	3827	0.071	ng	0.00
31) Terphenyl-d14	19.985	244	3459	0.093	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.343	93	513	0.048	ng	86
9) Naphthalene	10.795	128	46461	0.938	ng	97
16) Acenaphthylene	14.311	152	10982	0.223	ng	96
17) Acenaphthene	14.653	154	3673	0.116	ng	98
18) Fluorene	15.647	166	6524	0.146	ng	# 95
25) Phenanthrene	17.387	178	78316	1.182	ng	100
26) Anthracene	17.487	178	17881	0.307	ng	97
28) Fluoranthene	19.420	202	199182	2.789	ng	99
30) Pyrene	19.782	202	184987	3.603	ng	97
32) Benzo(a)anthracene	21.537	228	75081	1.570	ng	98
33) Chrysene	21.591	228	66411	1.402	ng	97
34) Bis(2-ethylhexyl)phtha...	21.457	149	8362	0.208	ng	94
36) Indeno(1,2,3-cd)pyrene	26.566	276	32997	0.735	ng	95
37) Benzo(b)fluoranthene	23.254	252	76142	2.078	ng	98
38) Benzo(k)fluoranthene	23.298	252	25717m	0.688	ng	
39) Benzo(a)pyrene	23.894	252	53277	1.698	ng	94
40) Dibenzo(a,h)anthracene	26.584	278	8155	0.228	ng	# 76
41) Benzo(g,h,i)perylene	27.365	276	32608	0.860	ng	99

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

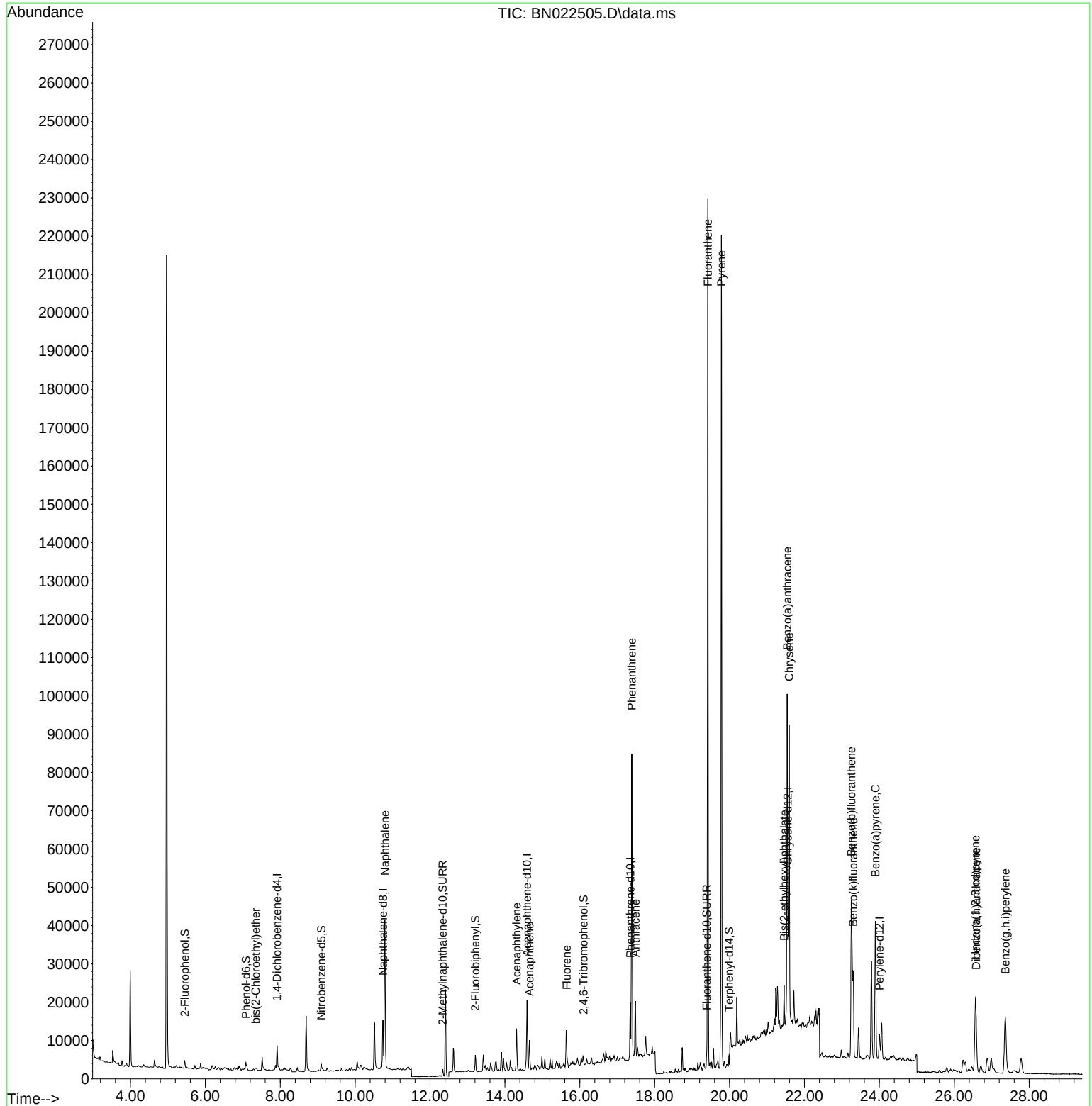
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022505.D
Acq On : 04 Nov 2022 09:26
Operator : CG/JU
Sample : N5395-03DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

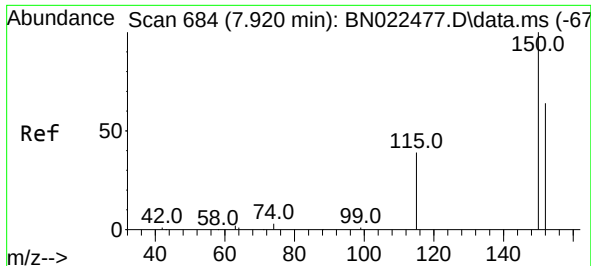
Instrument :
BNA_N
ClientSampleId :
S-11-103122DL

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Reviewed By : Christian Giraldo 11/07/2022
Supervised By : mohammad ahmed 11/08/2022

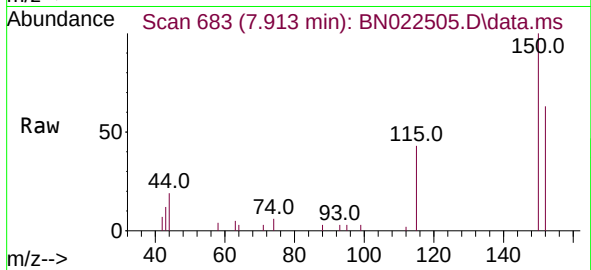
Quant Time: Nov 04 13:56:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 03:28:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

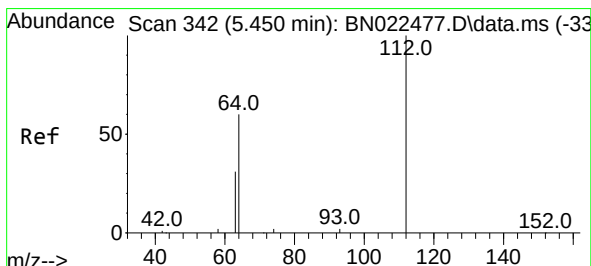
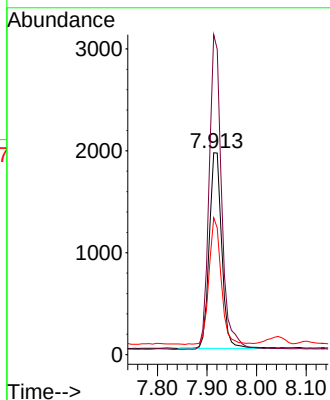
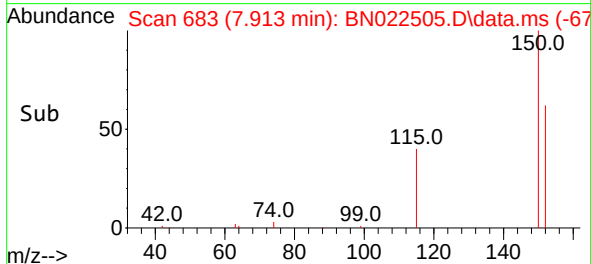
Instrument :
BNA_N
ClientSampleId :
S-11-103122DL



Tgt Ion:152 Resp: 3362
Ion Ratio Lower Upper
152 100
150 158.5 123.4 185.2
115 67.8 54.9 82.3

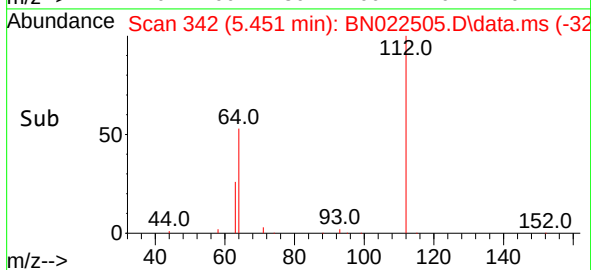
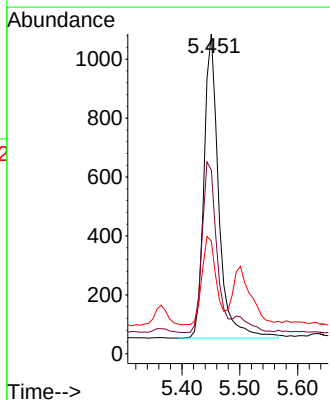
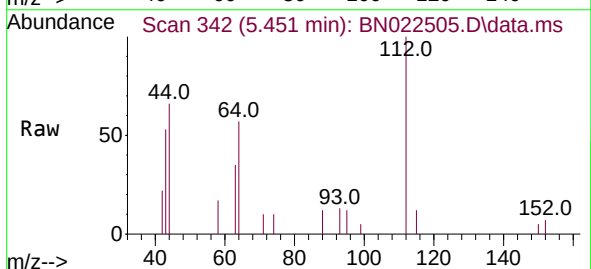
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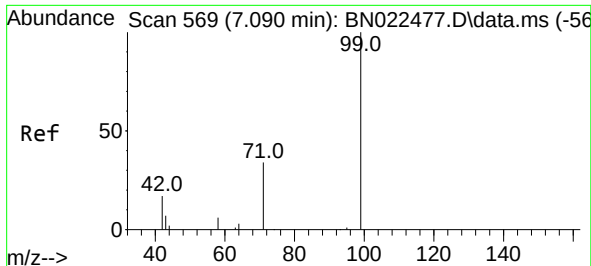
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#4
2-Fluorophenol
Concen: 0.192 ng
RT: 5.451 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Tgt Ion:112 Resp: 1820
Ion Ratio Lower Upper
112 100
64 55.4 47.1 70.7
63 27.7 24.6 36.8





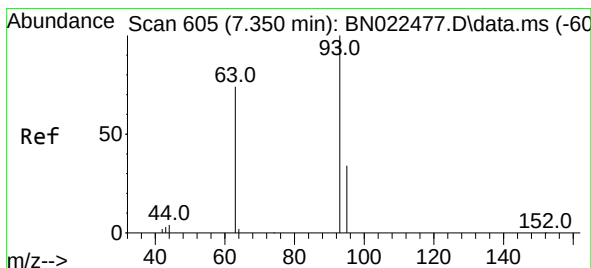
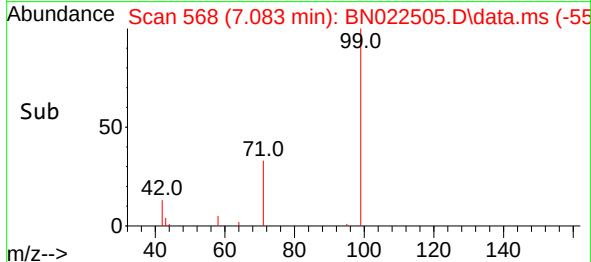
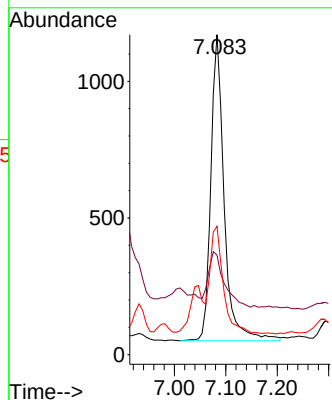
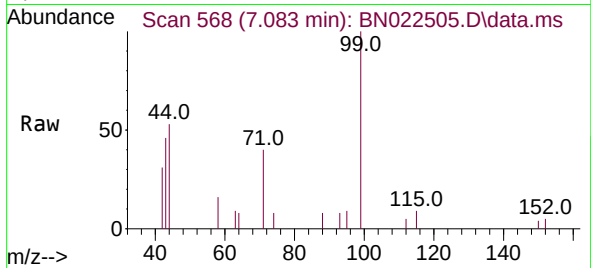
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Phenol-d6
Concen: 0.169 ng
RT: 7.083 min Scan# 501
Delta R.T. -0.007 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Instrument :
BNA_N
ClientSampleId :
S-11-103122DL

Tgt Ion: 99 Resp: 201
Ion Ratio Lower Upper
99 100
42 21.0 14.7 22.1
71 34.8 27.0 40.6

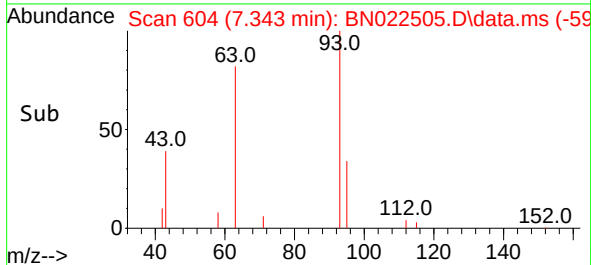
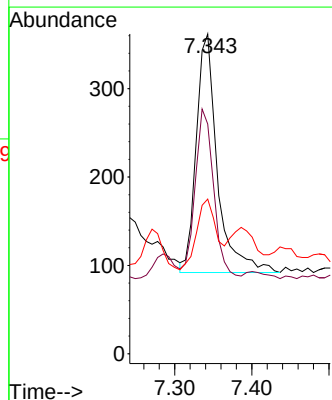
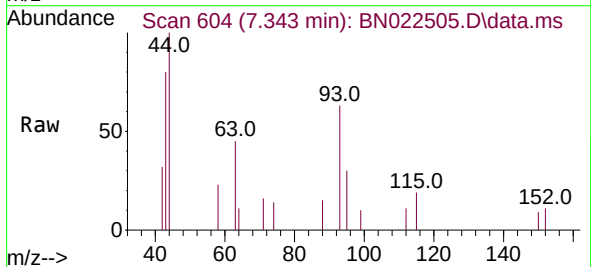
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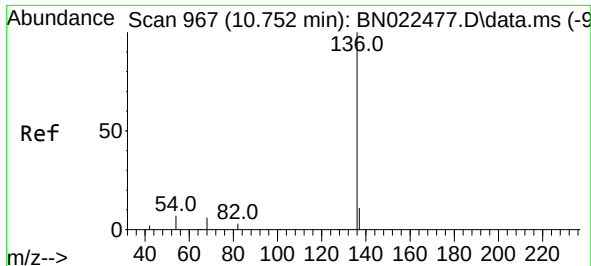
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.048 ng
RT: 7.343 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Tgt Ion: 93 Resp: 513
Ion Ratio Lower Upper
93 100
63 62.4 61.2 91.8
95 28.3 25.7 38.5





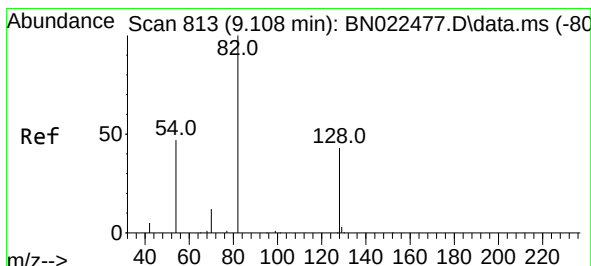
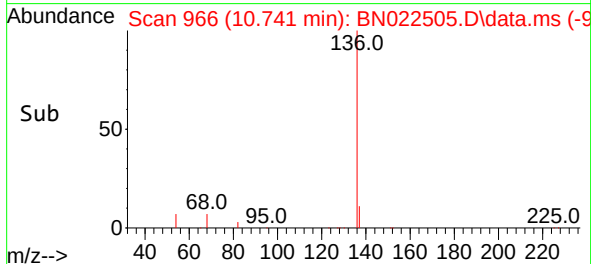
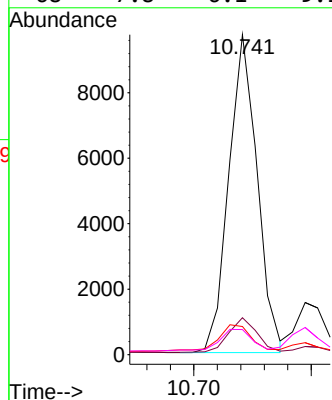
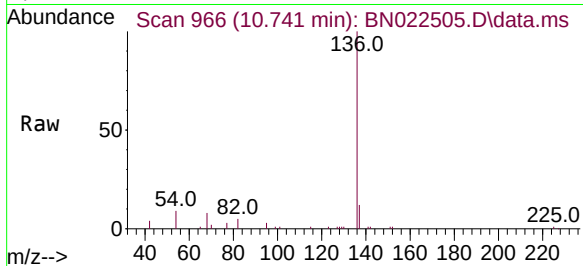
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 90
Delta R.T. -0.011 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Instrument :
BNA_N
ClientSampleId :
S-11-103122DL

Tgt Ion:	136	Resp:	1634
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.5	14.3
54	8.8	7.1	10.7
68	7.8	6.1	9.1

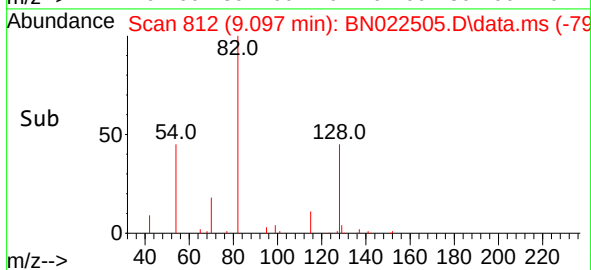
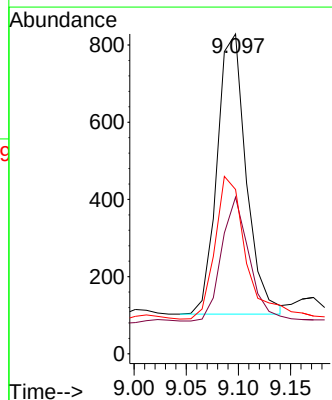
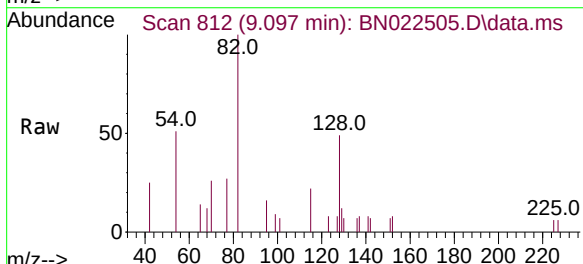
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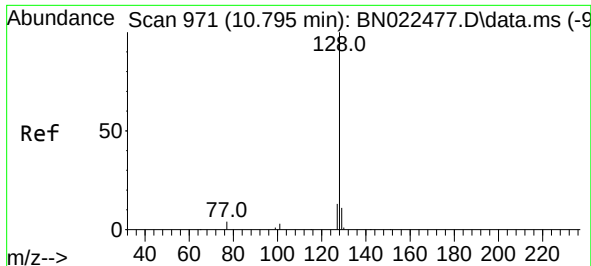
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#8
Nitrobenzene-d5
Concen: 0.095 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Tgt Ion:	82	Resp:	1409
Ion Ratio	Lower	Upper	
82	100		
128	49.0	37.3	55.9
54	51.4	40.0	60.0





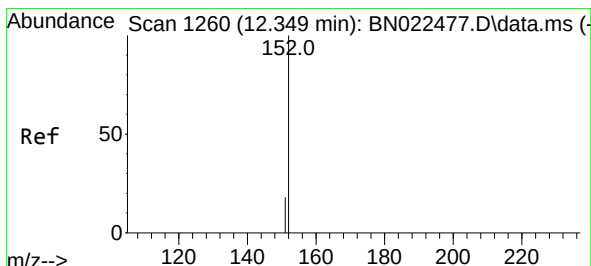
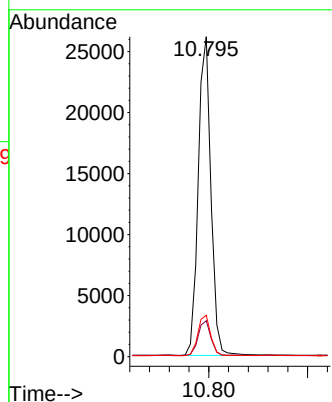
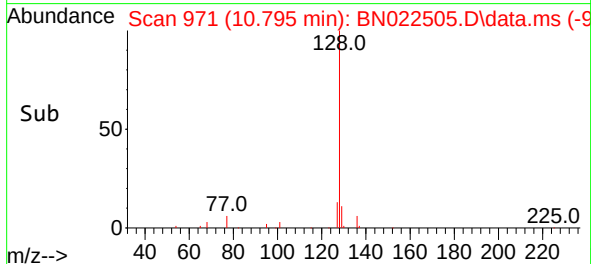
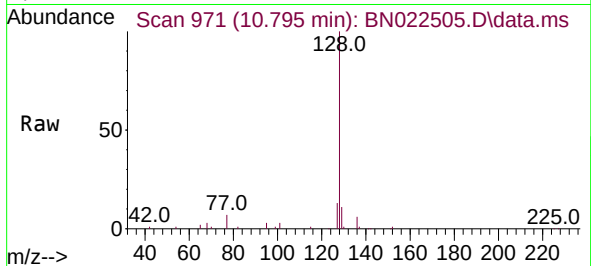
#9
Naphthalene
Concen: 0.938 ng
RT: 10.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Instrument :
BNA_N
ClientSampleId :
S-11-103122DL

Tgt Ion:128 Resp: 4646
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.6
127 12.9 11.4 17.2

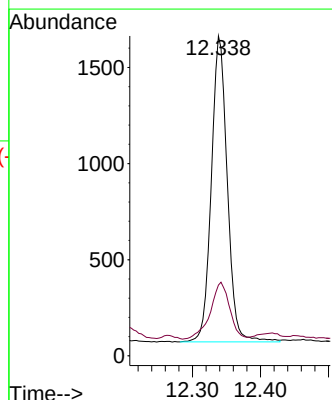
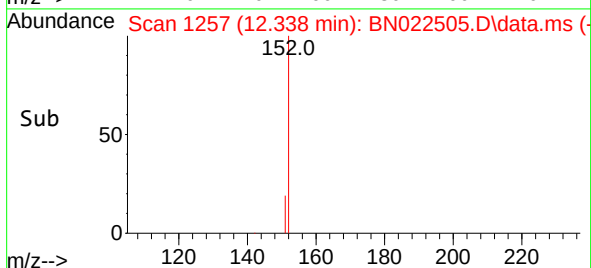
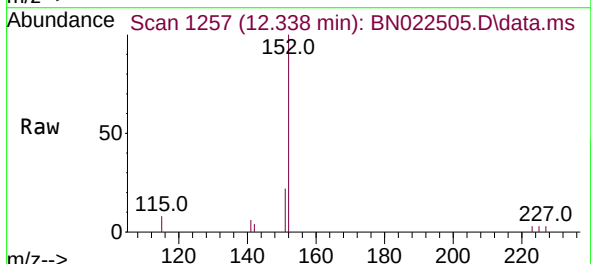
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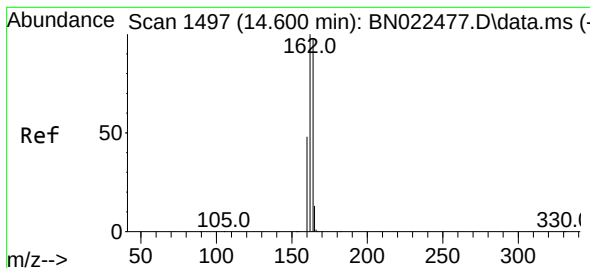
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#11
2-Methylnaphthalene-d10
Concen: 0.095 ng
RT: 12.338 min Scan# 1257
Delta R.T. -0.011 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

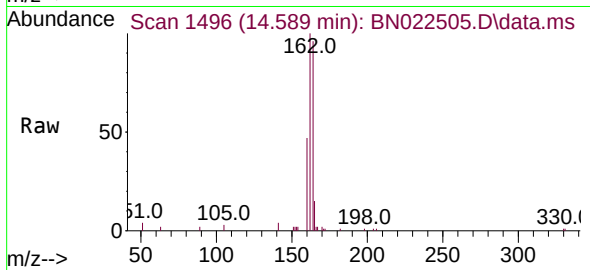
Tgt Ion:152 Resp: 2596
Ion Ratio Lower Upper
152 100
151 22.7 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

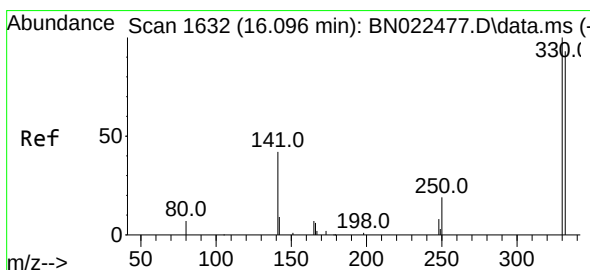
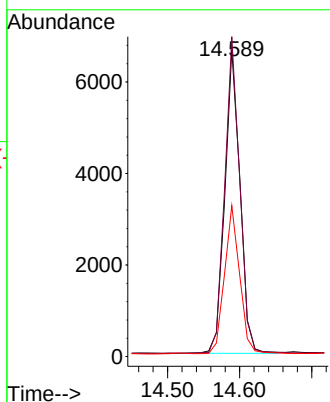
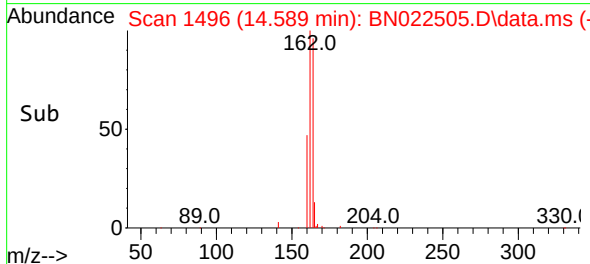
Instrument :
BNA_N
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S-11-103122DL



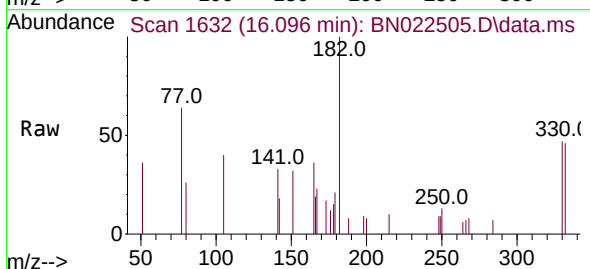
Tgt Ion:164 Resp: 972
Ion Ratio Lower Upper
164 100
162 104.3 82.0 123.0
160 49.2 39.4 59.2

Manual Integrations
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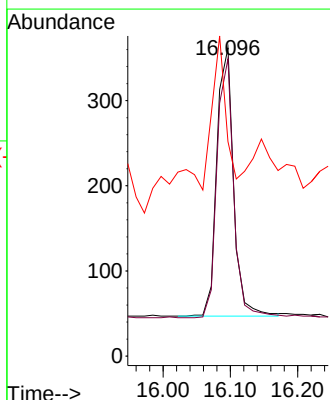
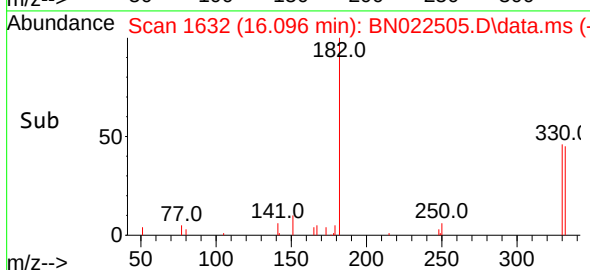
Reviewed By :Christian Giraldo 11/07/2022
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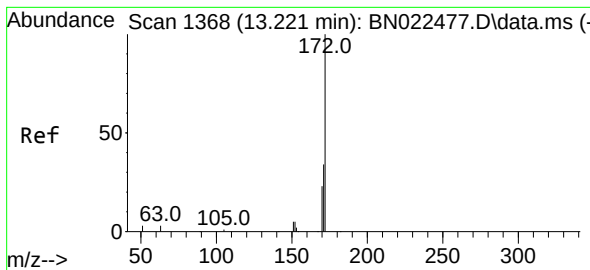


#14
2,4,6-Tribromophenol
Concen: 0.107 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26



Tgt Ion:330 Resp: 545
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.8
141 47.5 35.0 52.6





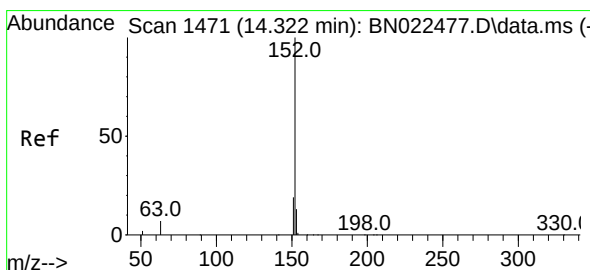
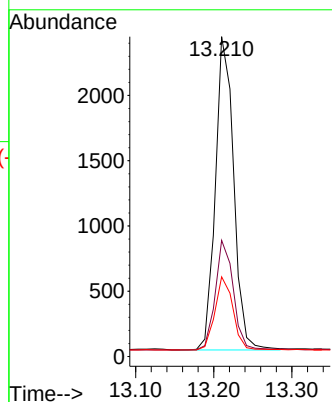
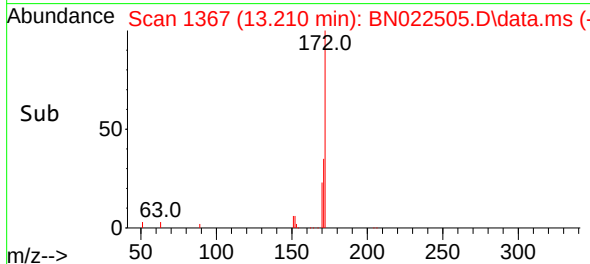
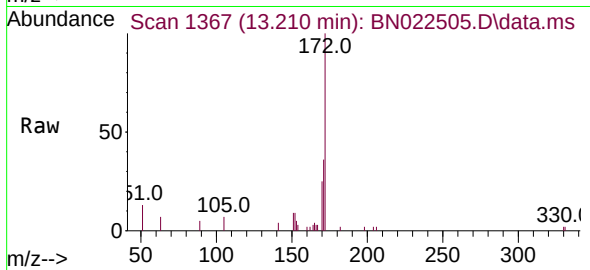
#15
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 13.210 min Scan# 1368
Delta R.T. -0.011 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Instrument :
BNA_N
ClientSampleId :
S-11-103122DL

Tgt Ion:	172	Resp:	3919
Ion Ratio	Lower	Upper	
172	100		
171	36.3	27.9	41.9
170	24.9	19.2	28.8

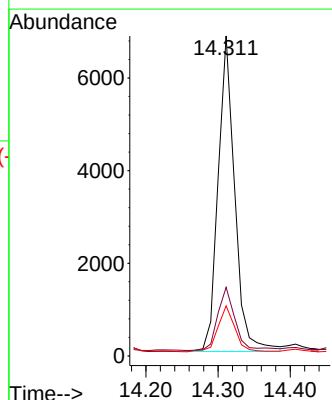
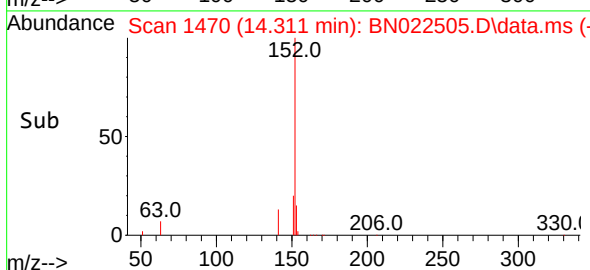
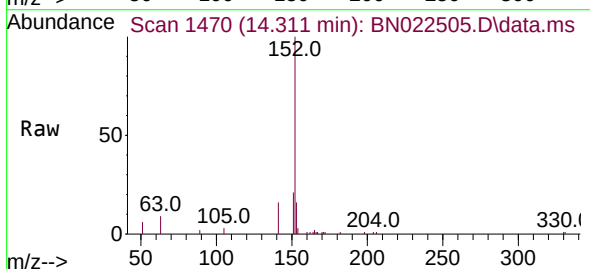
Manual Integrations
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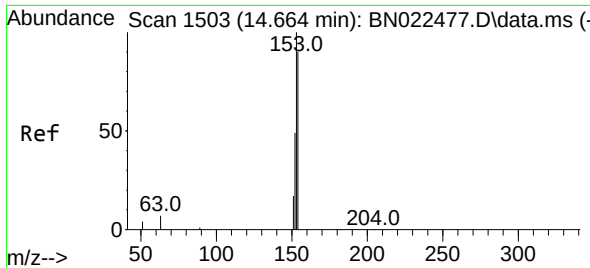
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#16
Acenaphthylene
Concen: 0.223 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Tgt Ion:	152	Resp:	10982
Ion Ratio	Lower	Upper	
152	100		
151	21.0	15.8	23.6
153	14.9	10.3	15.5





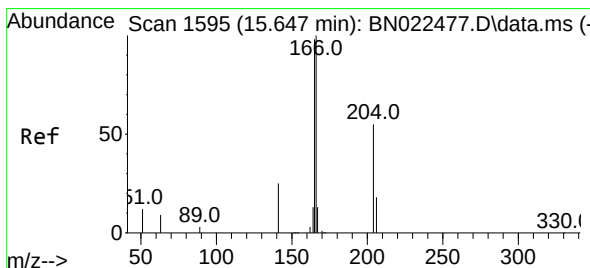
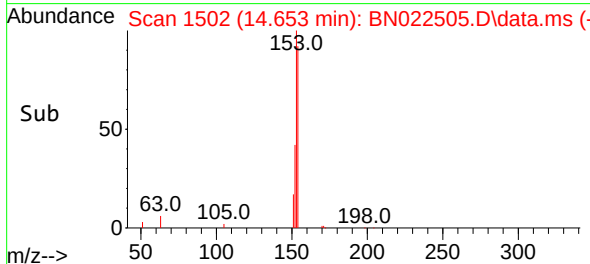
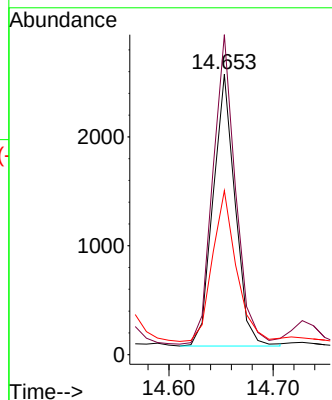
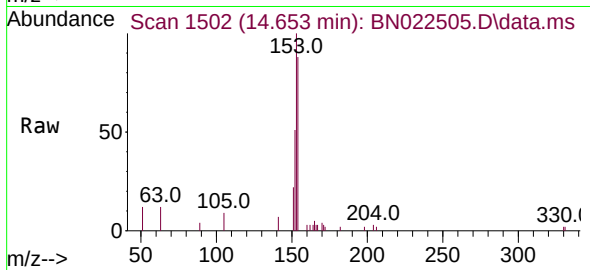
#17
Acenaphthene
Concen: 0.116 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Instrument :
BNA_N
ClientSampleId :
S-11-103122DL

Tgt Ion:154 Resp: 3673
Ion Ratio Lower Upper
154 100
153 116.3 91.8 137.8
152 60.5 45.7 68.5

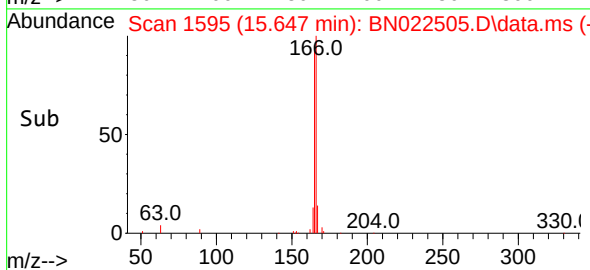
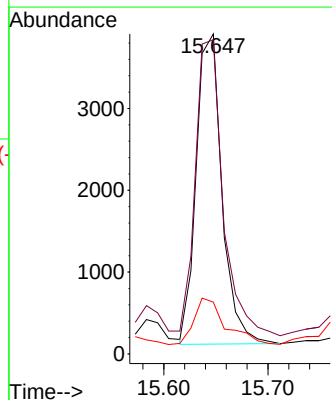
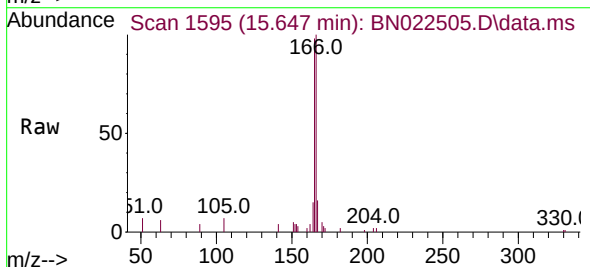
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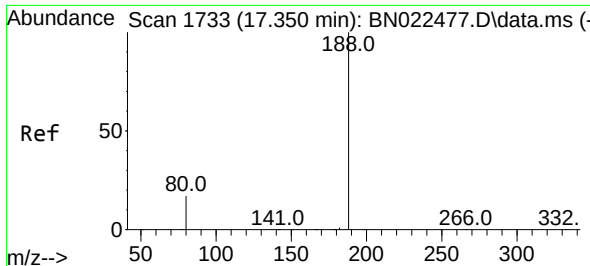
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#18
Fluorene
Concen: 0.146 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Tgt Ion:166 Resp: 6524
Ion Ratio Lower Upper
166 100
165 102.3 78.7 118.1
167 18.3 10.2 15.2#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.350 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BN022505.D

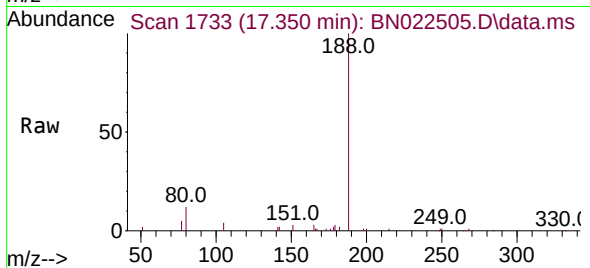
Acq: 04 Nov 2022 09:26

Instrument :

BNA_N

ClientSampleId :

S-11-103122DL



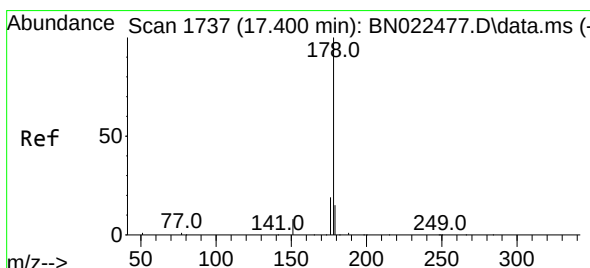
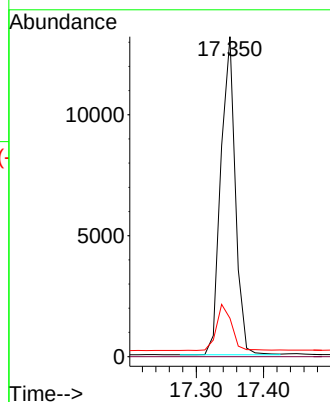
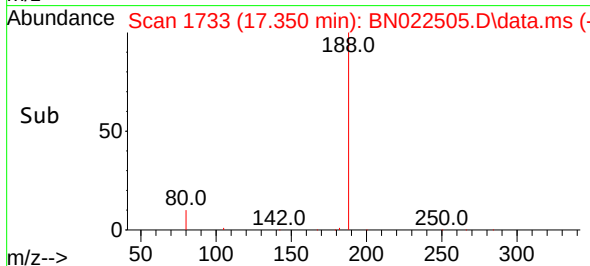
Tgt Ion:188 Resp: 19828

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	14.6	21.8

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Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#25

Phenanthrene

Concen: 1.182 ng

RT: 17.387 min Scan# 1736

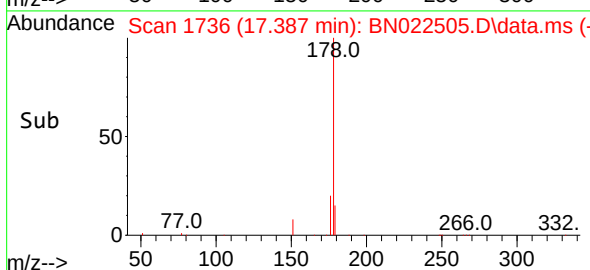
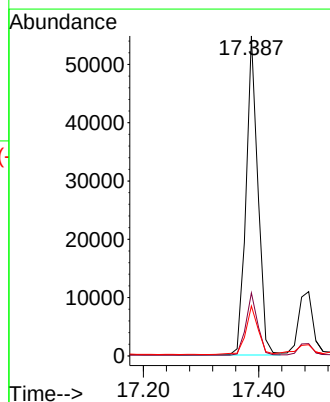
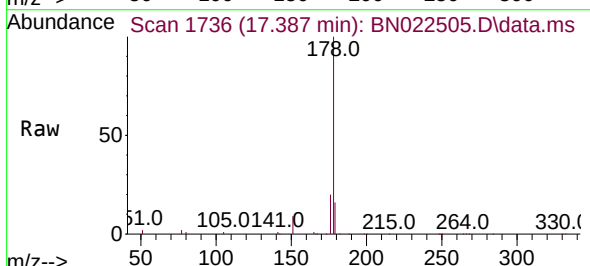
Delta R.T. -0.013 min

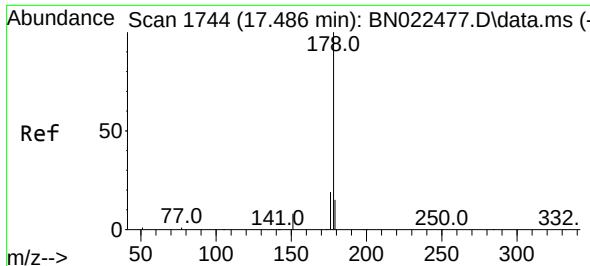
Lab File: BN022505.D

Acq: 04 Nov 2022 09:26

Tgt Ion:178 Resp: 78316

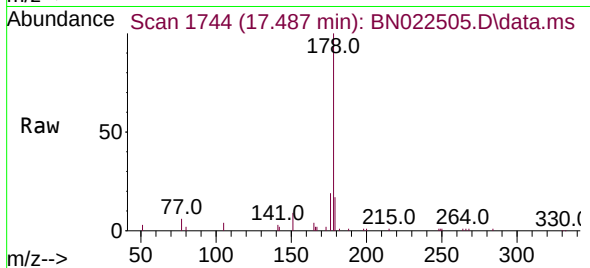
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.2	18.4





#26
 Anthracene
 Concen: 0.307 ng
 RT: 17.487 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN022505.D
 Acq: 04 Nov 2022 09:26

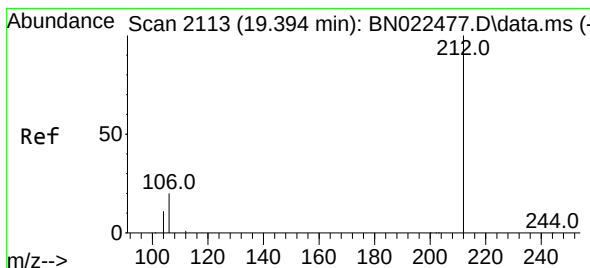
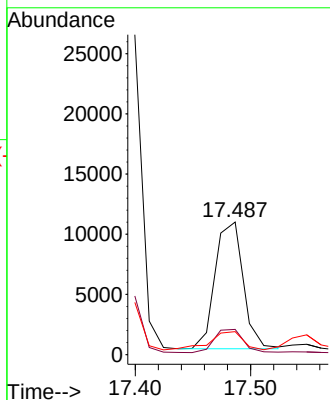
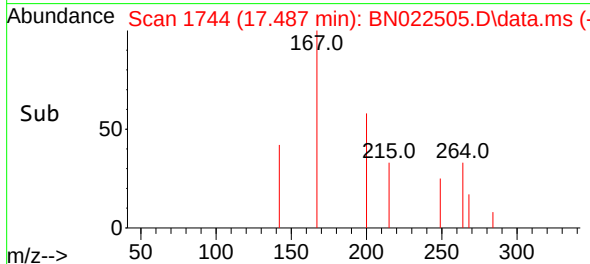
Instrument :
 BNA_N
 ClientSampleId :
 S-11-103122DL



Tgt Ion:178 Resp: 1788
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.8 22.2
 179 16.7 12.2 18.2

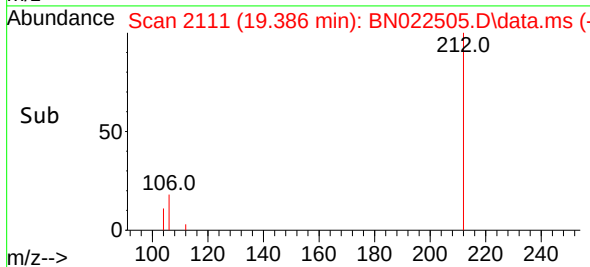
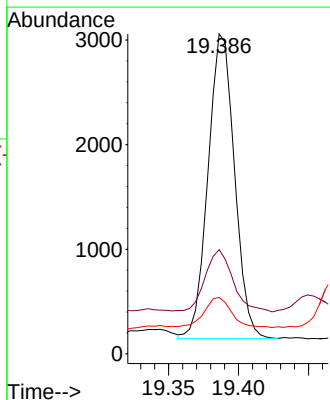
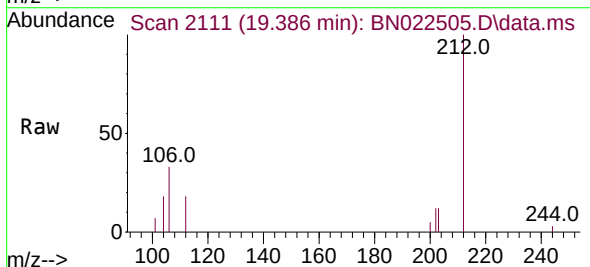
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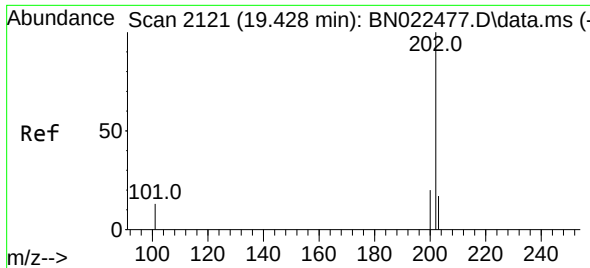
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022



#27
 Fluoranthene-d10
 Concen: 0.071 ng
 RT: 19.386 min Scan# 2111
 Delta R.T. -0.008 min
 Lab File: BN022505.D
 Acq: 04 Nov 2022 09:26

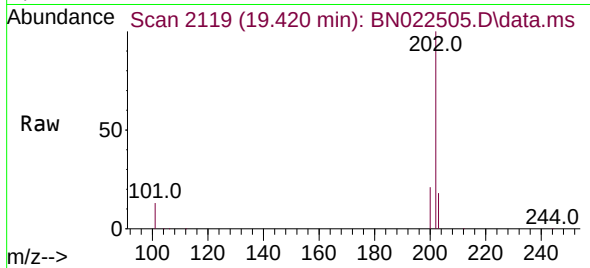
Tgt Ion:212 Resp: 3827
 Ion Ratio Lower Upper
 212 100
 106 21.3 15.2 22.8
 104 11.3 8.6 12.8





#28
Fluoranthene
Concen: 2.789 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

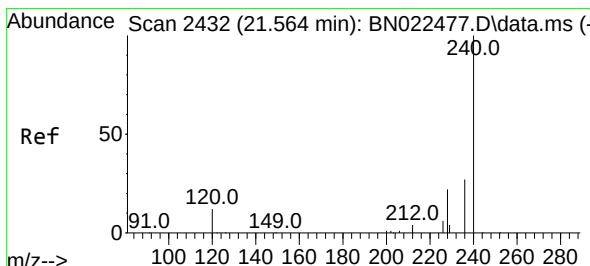
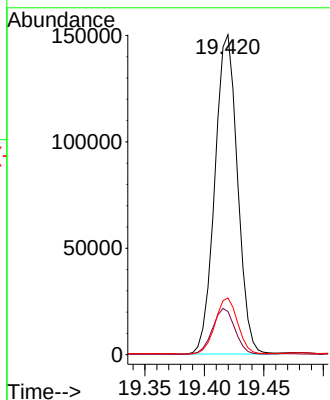
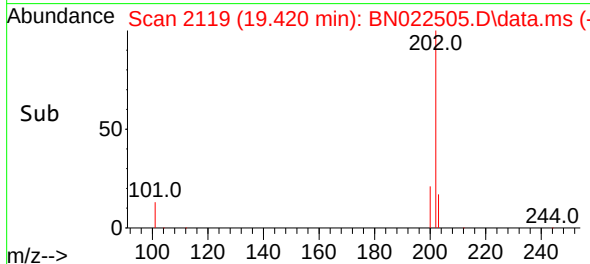
Instrument :
BNA_N
ClientSampleId :
S-11-103122DL



Tgt Ion:202 Resp: 199182
Ion Ratio Lower Upper
202 100
101 14.2 11.2 16.8
203 17.4 13.6 20.4

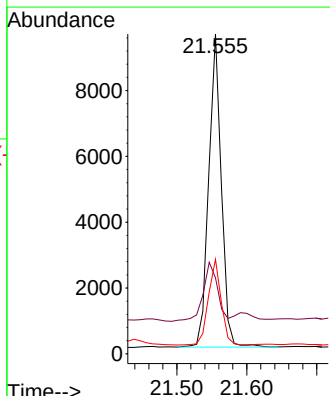
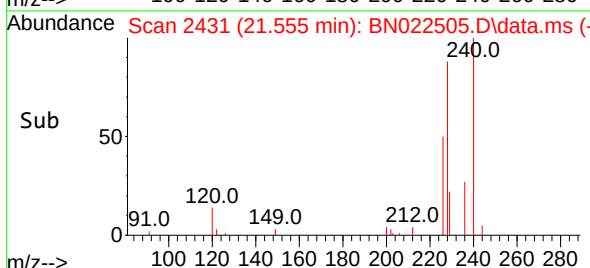
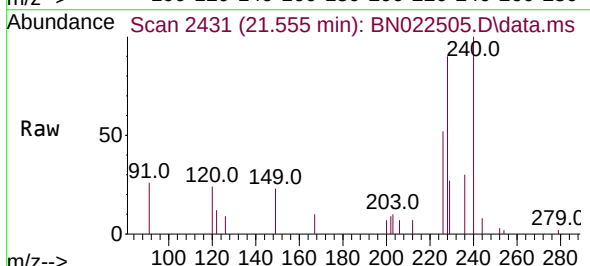
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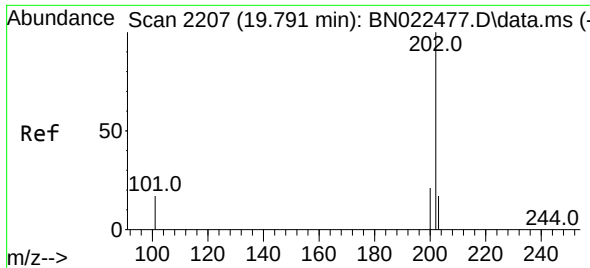
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Tgt Ion:240 Resp: 11892
Ion Ratio Lower Upper
240 100
120 23.8 12.4 18.6#
236 29.6 22.7 34.1





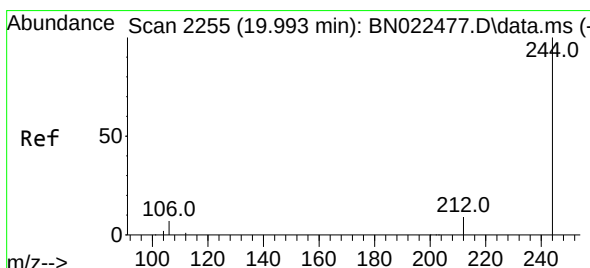
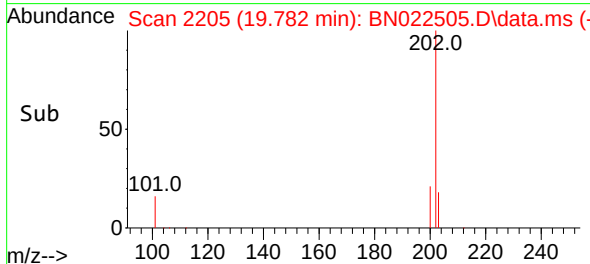
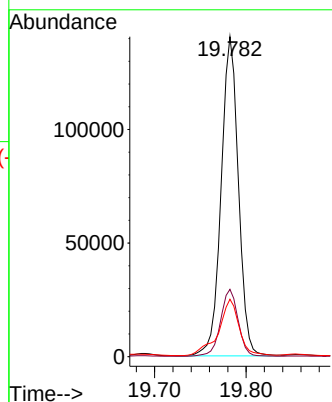
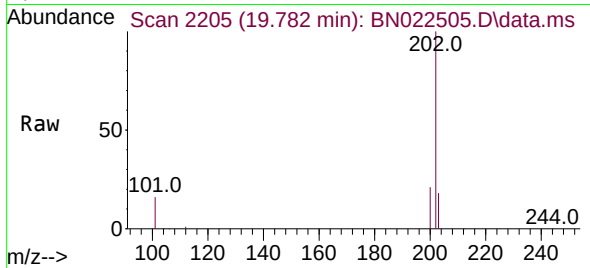
#30
Pyrene
Concen: 3.603 ng
RT: 19.782 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Instrument :
BNA_N
ClientSampleId :
S-11-103122DL

Tgt Ion:202 Resp: 18498
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 21.0 14.3 21.5

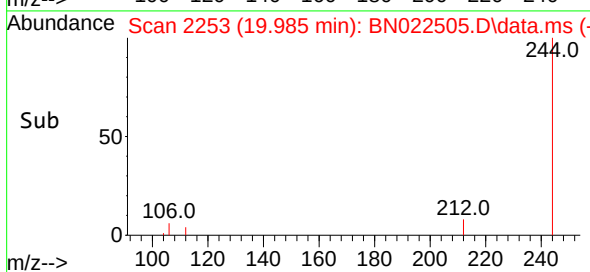
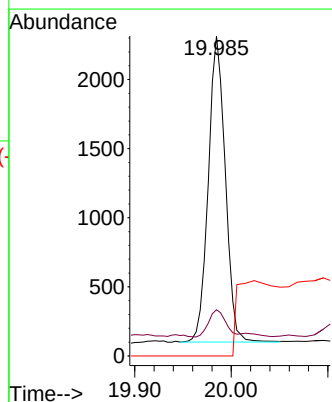
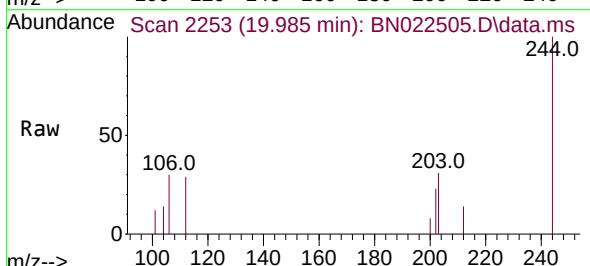
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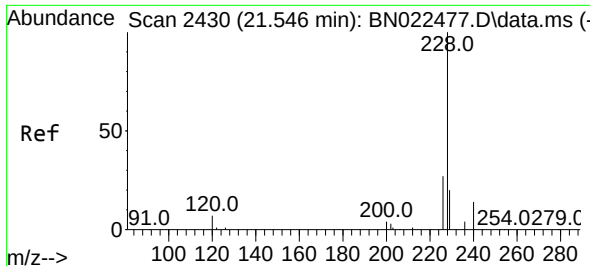
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#31
Terphenyl-d14
Concen: 0.093 ng
RT: 19.985 min Scan# 2253
Delta R.T. -0.008 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

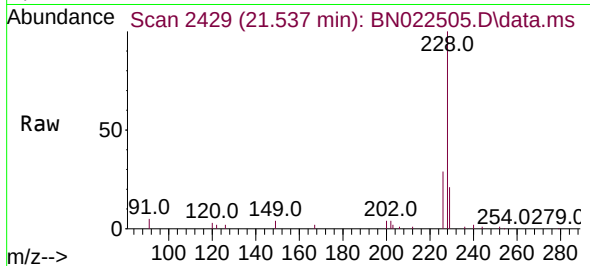
Tgt Ion:244 Resp: 3459
Ion Ratio Lower Upper
244 100
212 14.4 7.8 11.8#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.570 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

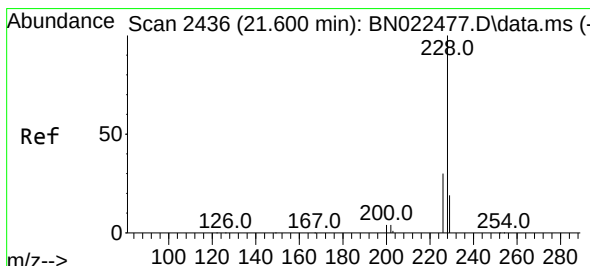
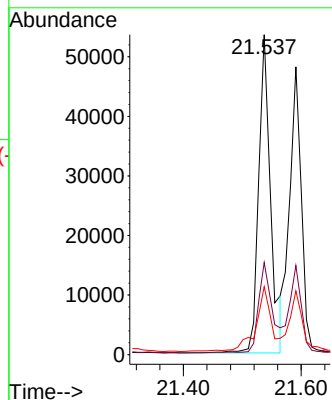
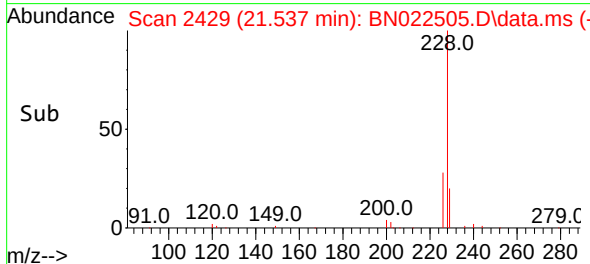
Instrument :
BNA_N
ClientSampleId :
S-11-103122DL



Tgt Ion:228 Resp: 75081
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 21.2 16.4 24.6

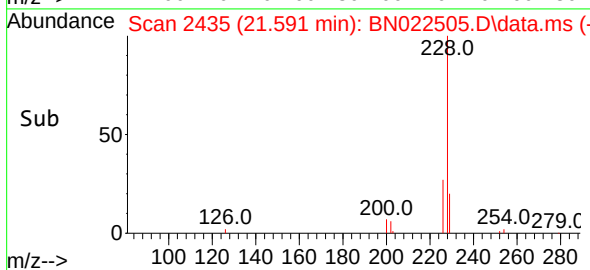
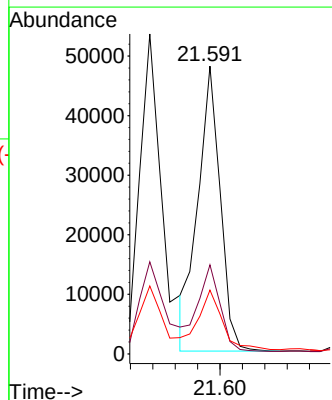
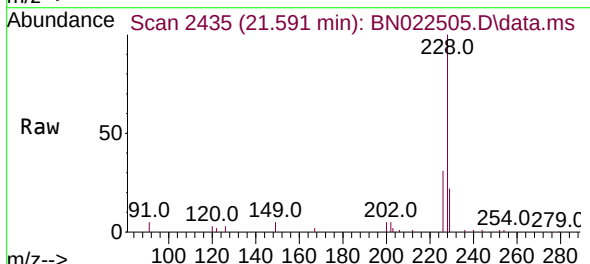
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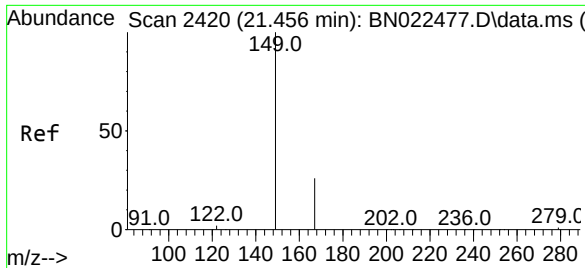
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#33
Chrysene
Concen: 1.402 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

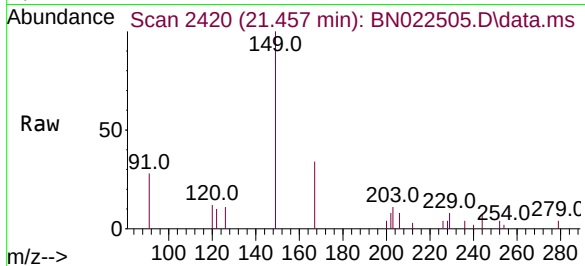
Tgt Ion:228 Resp: 66411
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 22.2 15.9 23.9





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.208 ng
 RT: 21.457 min Scan# 2420
 Delta R.T. 0.000 min
 Lab File: BN022505.D
 Acq: 04 Nov 2022 09:26

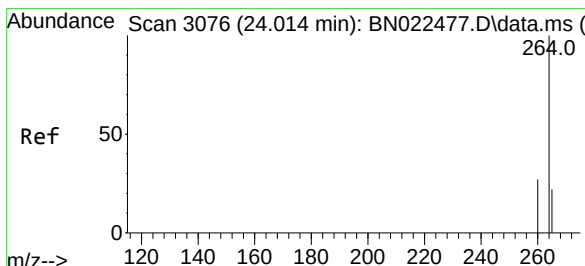
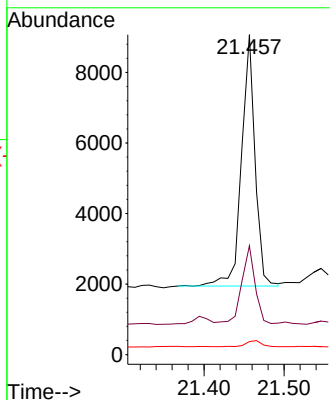
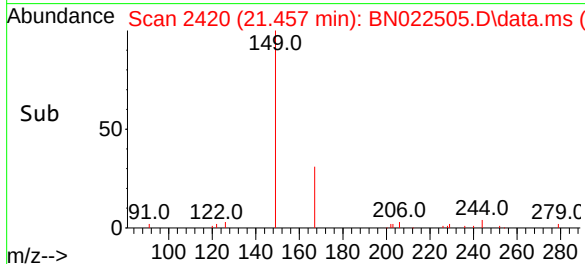
Instrument :
 BNA_N
 ClientSampleId :
 S-11-103122DL



Tgt Ion:149 Resp: 8362
 Ion Ratio Lower Upper
 149 100
 167 29.8 21.3 31.9
 279 2.8 2.7 4.1

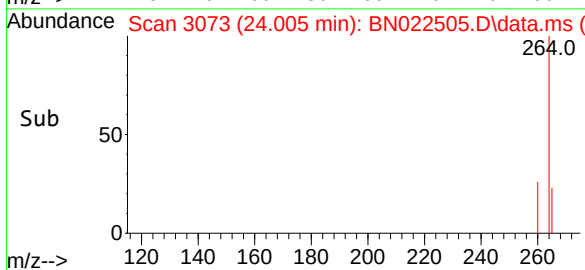
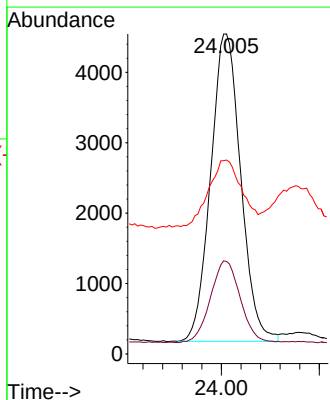
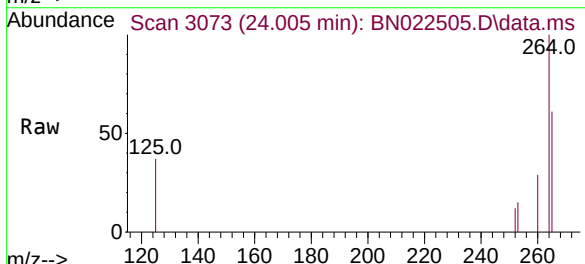
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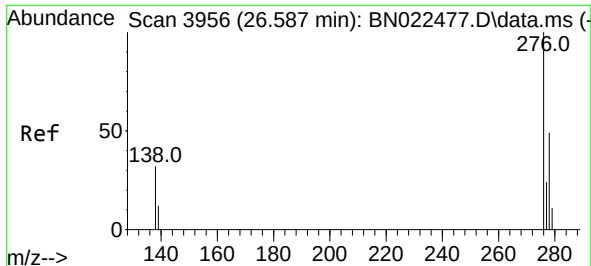
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.005 min Scan# 3073
 Delta R.T. -0.009 min
 Lab File: BN022505.D
 Acq: 04 Nov 2022 09:26

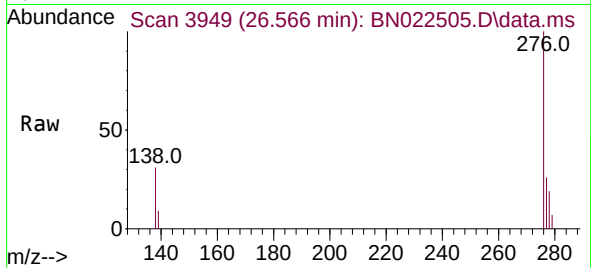
Tgt Ion:264 Resp: 9318
 Ion Ratio Lower Upper
 264 100
 260 28.9 22.4 33.6
 265 60.6 44.4 66.6





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.735 ng
RT: 26.566 min Scan# 3949
Delta R.T. -0.020 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

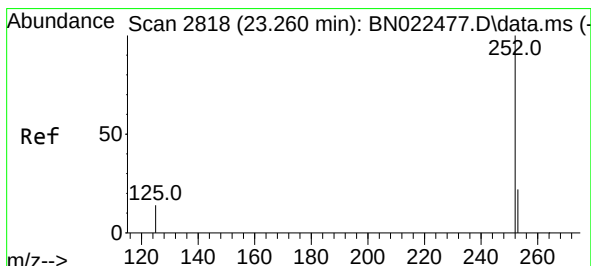
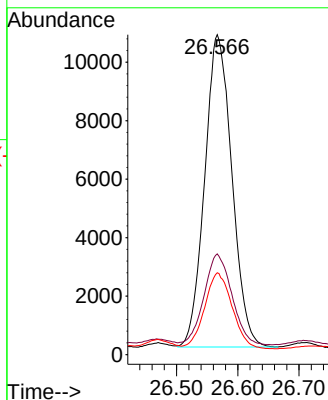
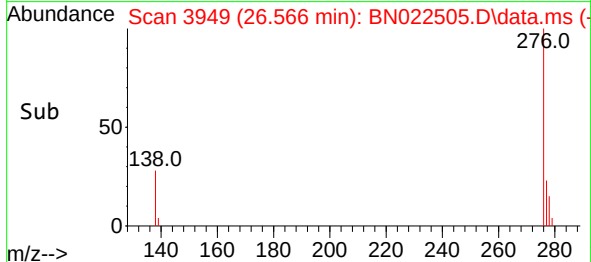
Instrument :
BNA_N
ClientSampleId :
S-11-103122DL



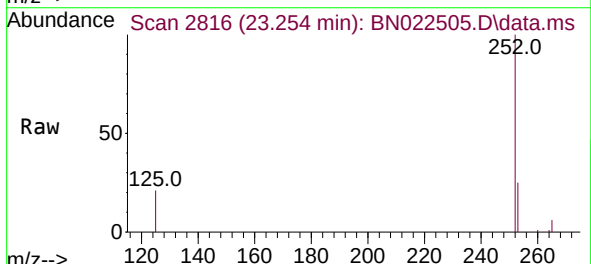
Tgt Ion:276 Resp: 32997
Ion Ratio Lower Upper
276 100
138 29.7 27.5 41.3
277 24.8 19.8 29.6

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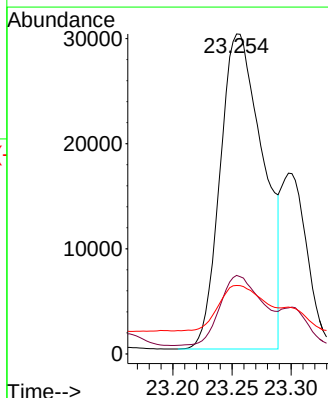
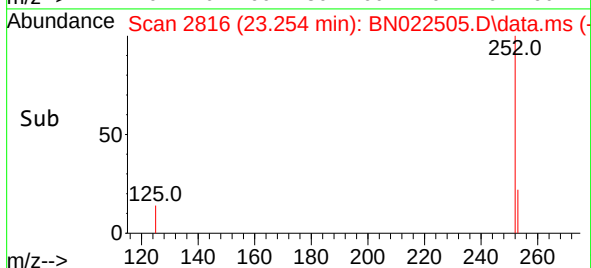
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

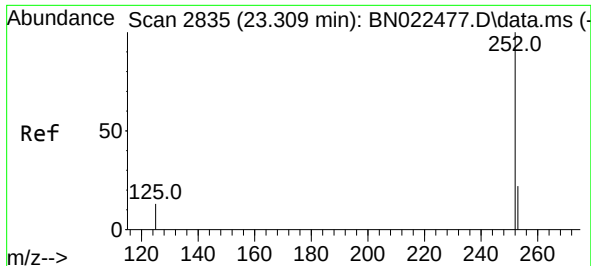


#37
Benzo(b)fluoranthene
Concen: 2.078 ng
RT: 23.254 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26



Tgt Ion:252 Resp: 76142
Ion Ratio Lower Upper
252 100
253 24.5 21.1 31.7
125 21.4 16.8 25.2





#38

Benzo(k)fluoranthene

Concen: 0.688 ng m

RT: 23.298 min Scan# 2831

Delta R.T. -0.012 min

Lab File: BN022505.D

Acq: 04 Nov 2022 09:26

Instrument :

BN022505.D

ClientSampleId :

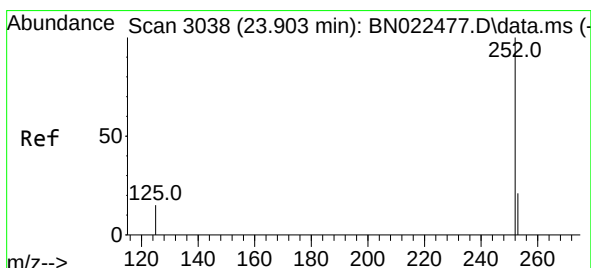
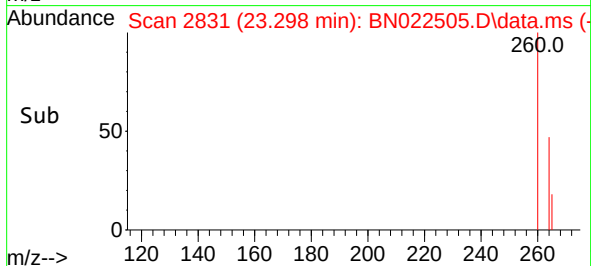
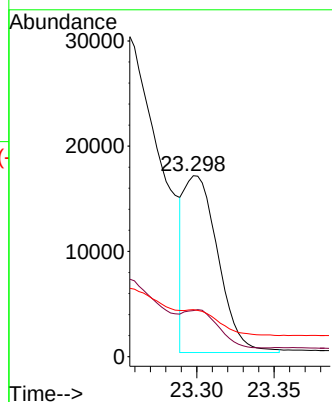
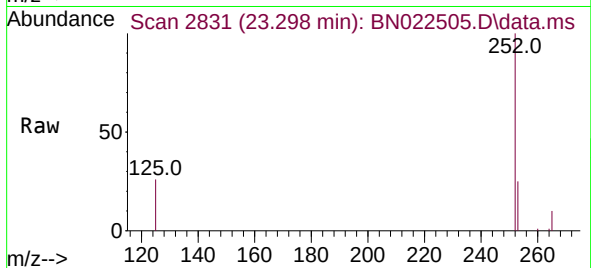
S-11-103122DL

Tgt Ion:252	Resp:	25717
Ion Ratio	Lower	Upper
252	100	
253	25.5	20.9 31.3
125	25.9	16.1 24.1

Manual Integrations

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Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#39

Benzo(a)pyrene

Concen: 1.698 ng

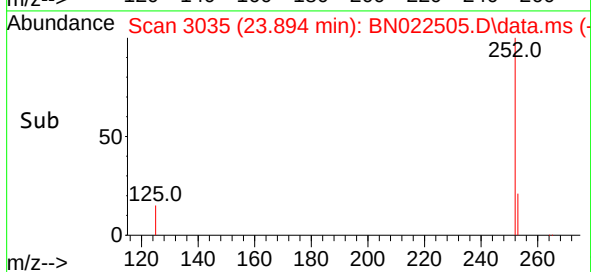
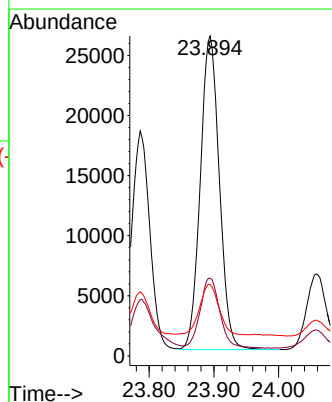
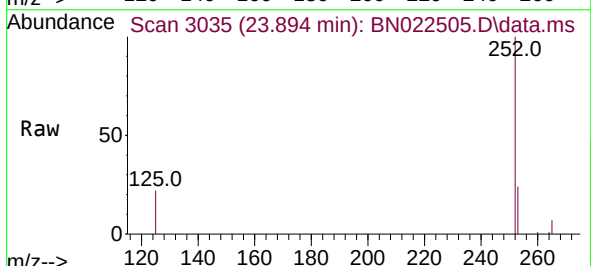
RT: 23.894 min Scan# 3035

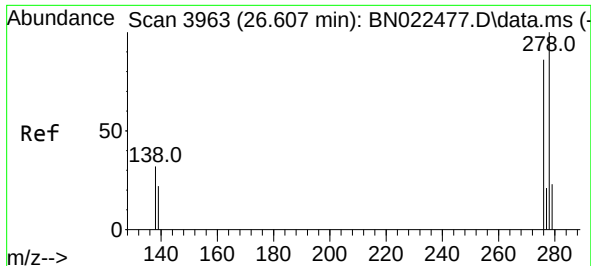
Delta R.T. -0.009 min

Lab File: BN022505.D

Acq: 04 Nov 2022 09:26

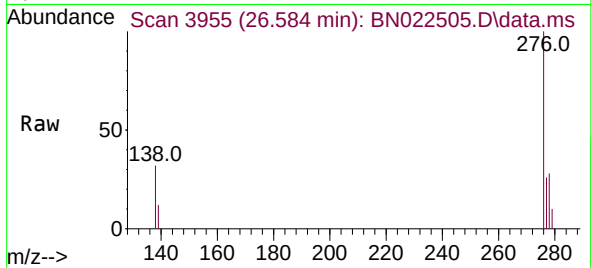
Tgt Ion:252	Resp:	53277
Ion Ratio	Lower	Upper
252	100	
253	24.3	22.0 33.0
125	22.3	19.8 29.8





#40
Dibenzo(a,h)anthracene
Concen: 0.228 ng
RT: 26.584 min Scan# 3963
Delta R.T. -0.023 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

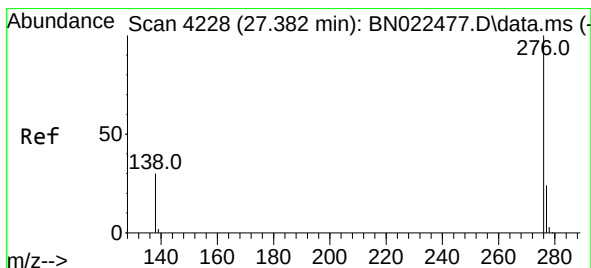
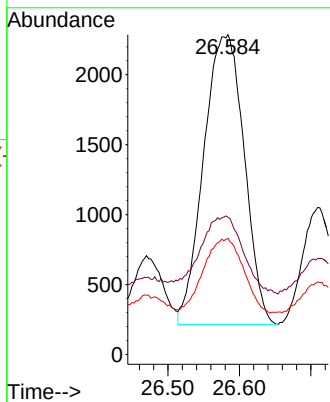
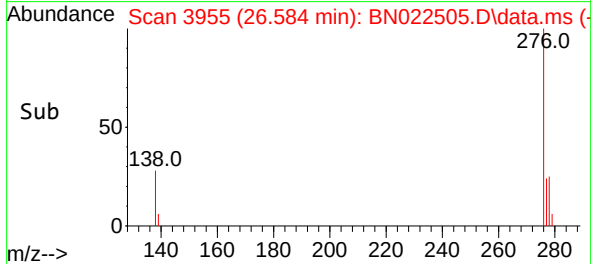
Instrument :
BNA_N
ClientSampleId :
S-11-103122DL



Tgt Ion: 278 Resp: 815
Ion Ratio Lower Upper
278 100
139 42.9 21.8 32.6
279 36.3 21.5 32.3

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 11/07/2022
Supervised By : mohammad ahmed 11/08/2022



#41
Benzo(g,h,i)perylene
Concen: 0.860 ng
RT: 27.365 min Scan# 4222
Delta R.T. -0.017 min
Lab File: BN022505.D
Acq: 04 Nov 2022 09:26

Tgt Ion: 276 Resp: 32608
Ion Ratio Lower Upper
276 100
277 25.1 21.0 31.4
138 32.2 26.0 39.0

