

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
 Data File : BN022516.D
 Acq On : 04 Nov 2022 20:17
 Operator : CG/JU
 Sample : N5395-09DL2 4X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122DL2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/05/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 05 01:58:57 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	3283	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	16716	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	9885	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	20563	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	15141	0.400	ng	0.00
35) Perylene-d12	24.002	264	12013	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	595	0.064	ng	0.00
5) Phenol-d6	7.083	99	865	0.074	ng	0.00
8) Nitrobenzene-d5	9.097	82	671	0.044	ng	-0.01
11) 2-Methylnaphthalene-d10	12.342	152	1257	0.045	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	283	0.055	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	1890	0.046	ng	-0.01
27) Fluoranthene-d10	19.390	212	2170	0.039	ng	0.00
31) Terphenyl-d14	19.985	244	1869	0.040	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.795	128	4998	0.099	ng	98
16) Acenaphthylene	14.311	152	4790	0.095	ng	98
17) Acenaphthene	14.653	154	2046	0.063	ng	99
18) Fluorene	15.647	166	3181	0.070	ng	# 97
25) Phenanthrene	17.387	178	72864	1.060	ng	100
26) Anthracene	17.486	178	12991	0.215	ng	# 95
28) Fluoranthene	19.420	202	161570	2.181	ng	99
30) Pyrene	19.782	202	137287	2.100	ng	96
32) Benzo(a)anthracene	21.537	228	61209	1.005	ng	99
33) Chrysene	21.591	228	70929m	1.176	ng	
34) Bis(2-ethylhexyl)phtha...	21.457	149	9751	0.190	ng	97
36) Indeno(1,2,3-cd)pyrene	26.572	276	32567	0.563	ng	95
37) Benzo(b)fluoranthene	23.254	252	76844	1.627	ng	95
38) Benzo(k)fluoranthene	23.301	252	28165m	0.585	ng	
39) Benzo(a)pyrene	23.891	252	48887	1.208	ng	93
40) Dibenzo(a,h)anthracene	26.584	278	8018	0.174	ng	# 79
41) Benzo(g,h,i)perylene	27.364	276	32061	0.656	ng	99

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

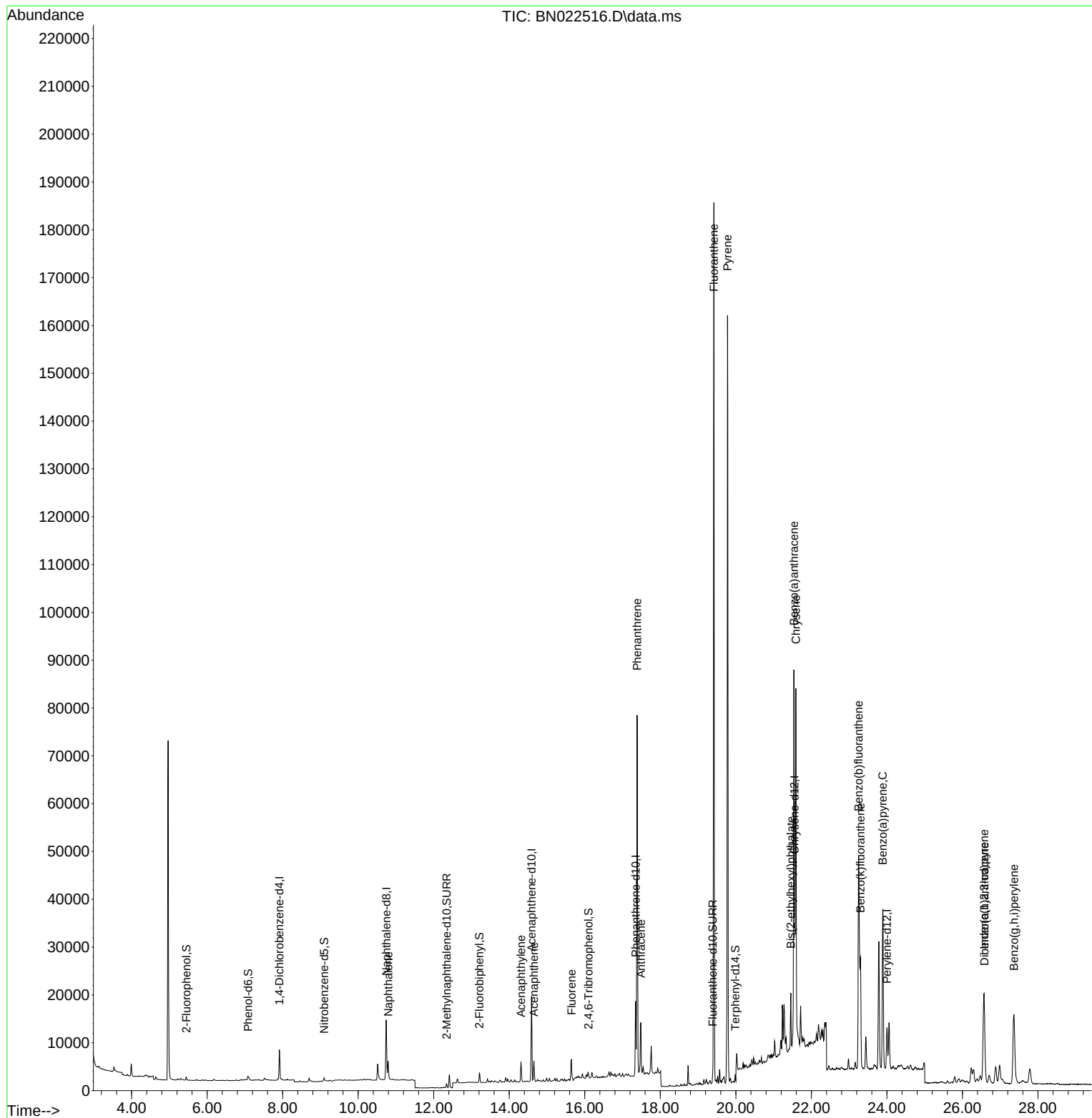
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
Data File : BN022516.D
Acq On : 04 Nov 2022 20:17
Operator : CG/JU
Sample : N5395-09DL2 4X
Misc :
ALS Vial : 7 Sample Multiplier: 1

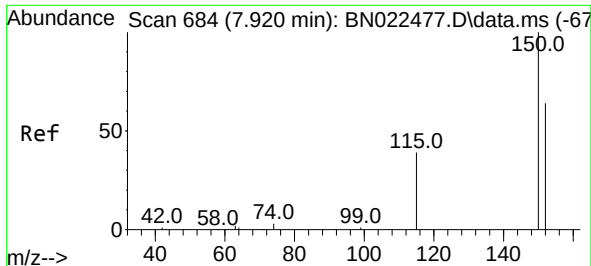
Instrument :
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S-6-103122DL2

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APPROVED

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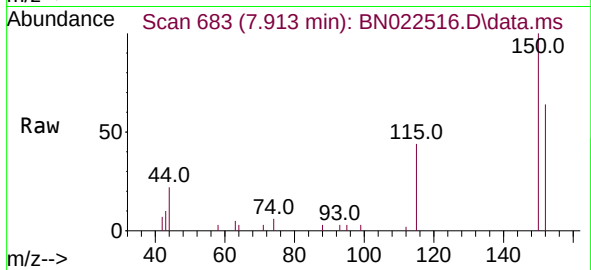
Quant Time: Nov 05 01:58:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 03:28:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

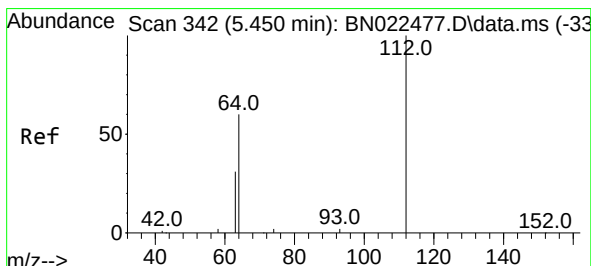
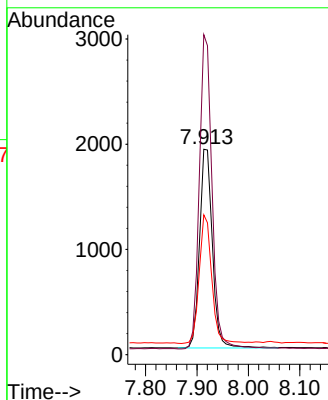
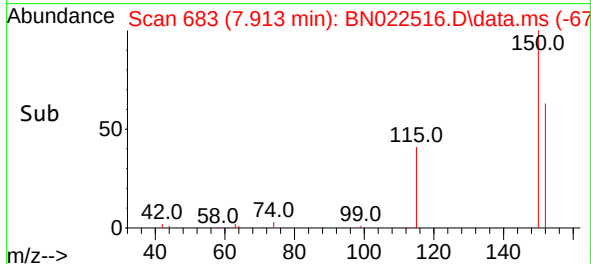
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2



Tgt Ion:152 Resp: 3283
Ion Ratio Lower Upper
152 100
150 155.8 123.4 185.2
115 68.1 54.9 82.3

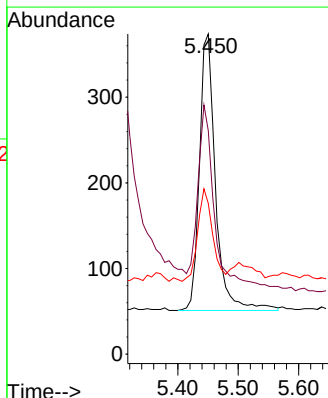
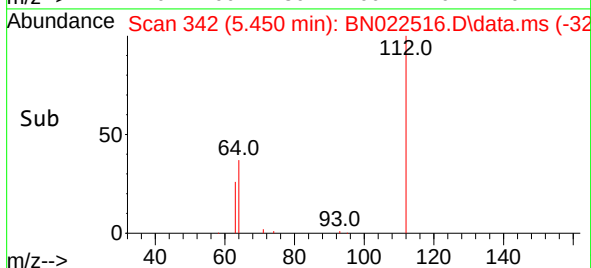
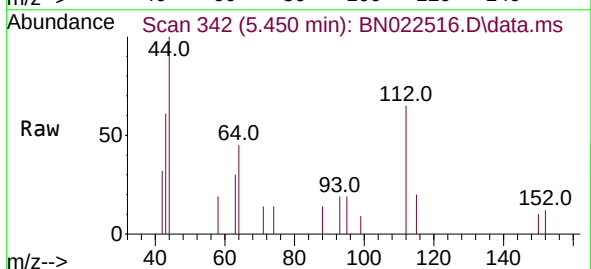
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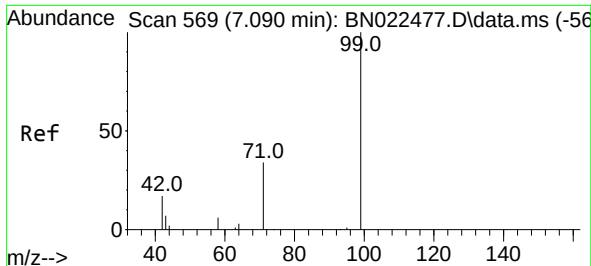
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#4
2-Fluorophenol
Concen: 0.064 ng
RT: 5.450 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

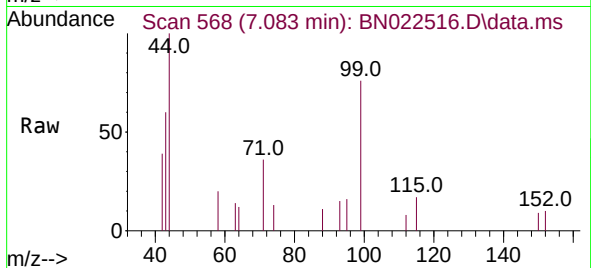
Tgt Ion:112 Resp: 595
Ion Ratio Lower Upper
112 100
64 65.2 47.1 70.7
63 30.9 24.6 36.8





#5
Phenol-d6
Concen: 0.074 ng
RT: 7.083 min Scan# 568
Delta R.T. -0.007 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

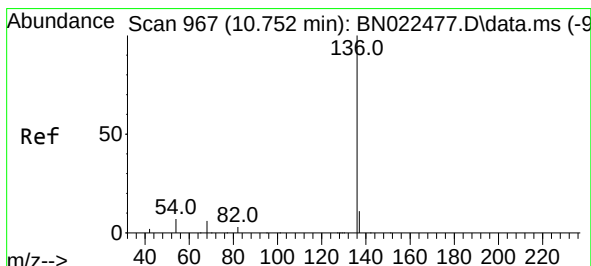
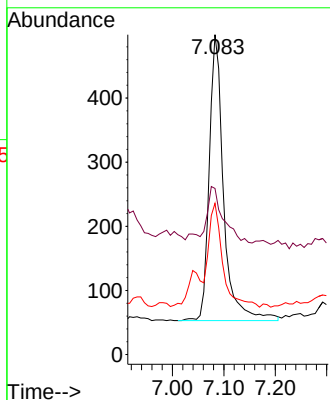
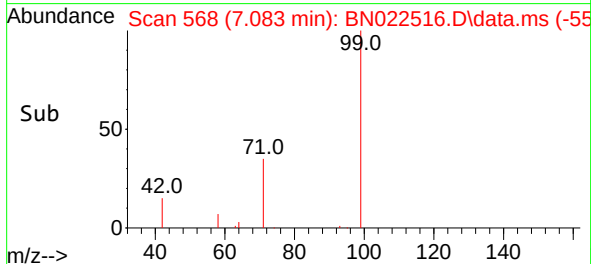
Instrument :
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ClientSampleId :
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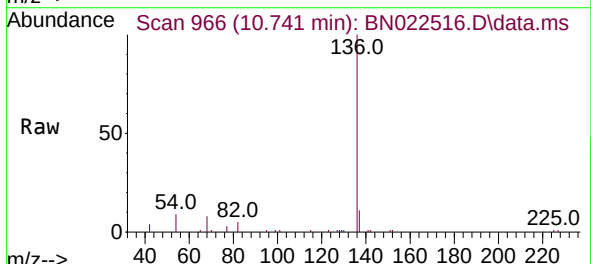
Tgt Ion: 99 Resp: 865
Ion Ratio Lower Upper
99 100
42 21.5 14.7 22.1
71 35.3 27.0 40.6

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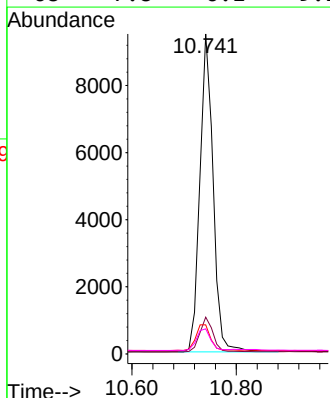
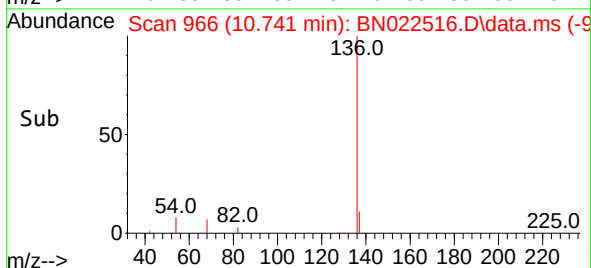
Reviewed By :Christian Giraldo 11/05/2022
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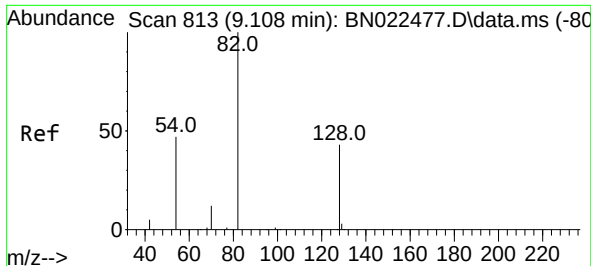


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 966
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17



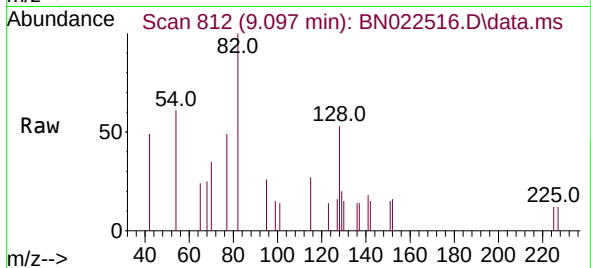
Tgt Ion:136 Resp: 16716
Ion Ratio Lower Upper
136 100
137 11.5 9.5 14.3
54 9.1 7.1 10.7
68 7.8 6.1 9.1





#8
Nitrobenzene-d5
Concen: 0.044 ng
RT: 9.097 min Scan# 813
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

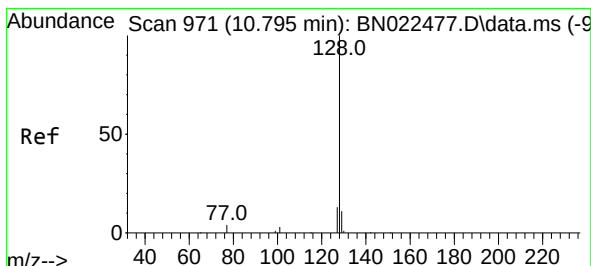
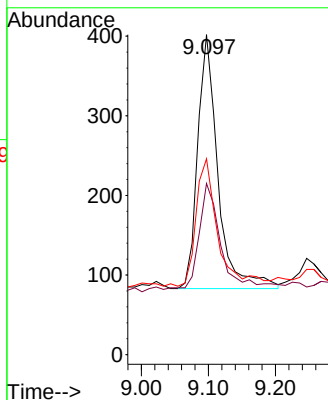
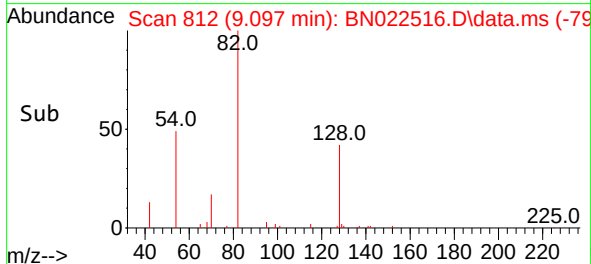
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2



Tgt Ion: 82 Resp: 671
Ion Ratio Lower Upper
82 100
128 53.5 37.3 55.9
54 61.2 40.0 60.0

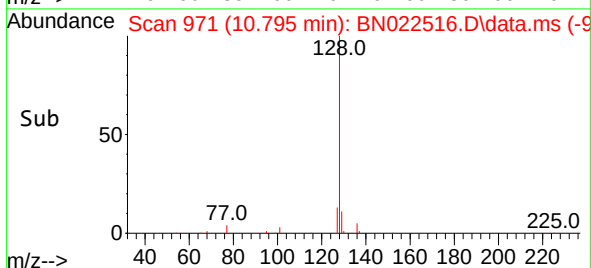
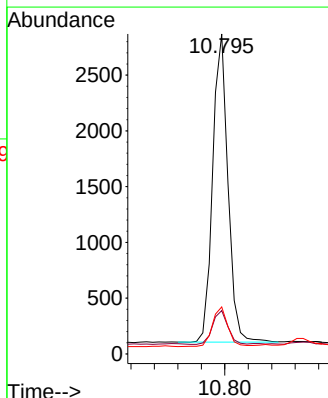
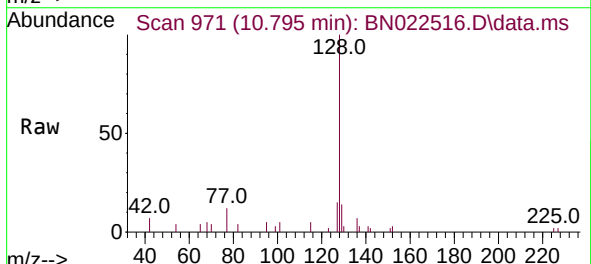
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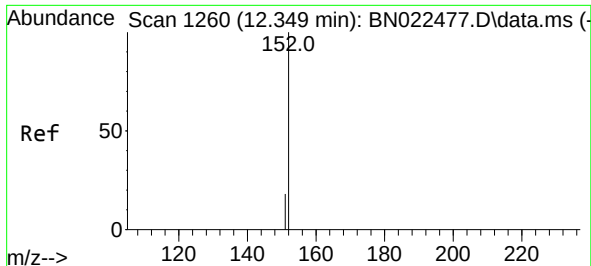
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#9
Naphthalene
Concen: 0.099 ng
RT: 10.795 min Scan# 971
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

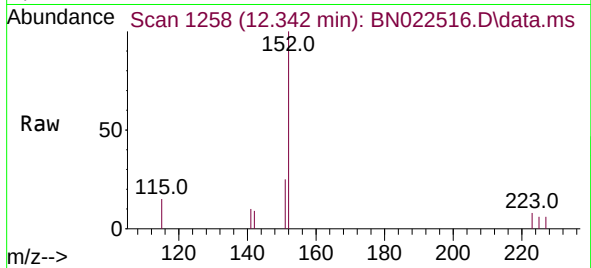
Tgt Ion:128 Resp: 4998
Ion Ratio Lower Upper
128 100
129 13.6 9.8 14.6
127 14.7 11.4 17.2





#11
2-Methylnaphthalene-d10
Concen: 0.045 ng
RT: 12.342 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

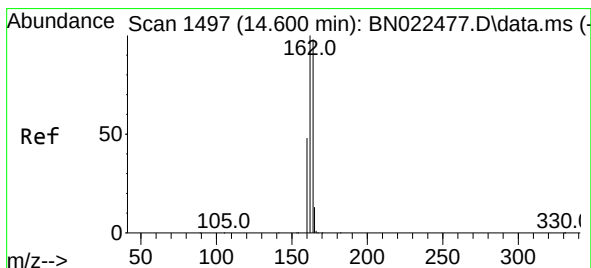
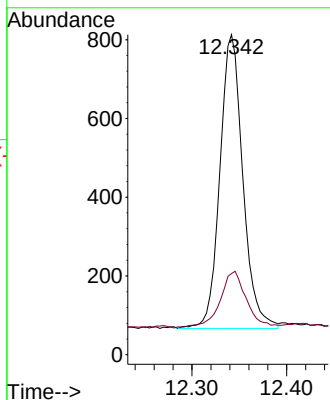
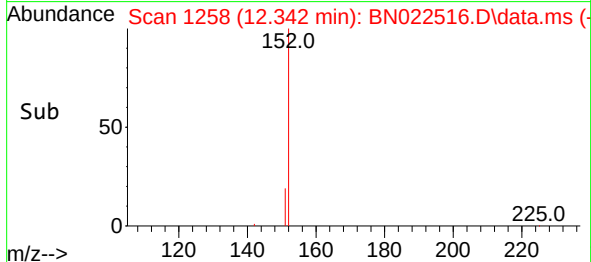
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2



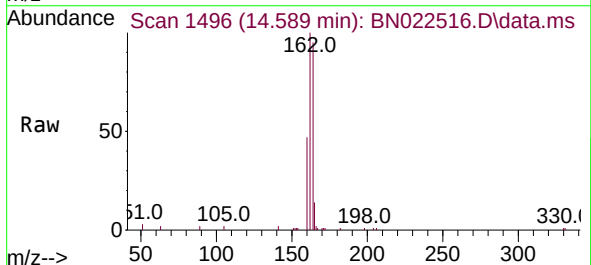
Tgt Ion:152 Resp: 125
Ion Ratio Lower Upper
152 100
151 22.4 16.6 25.0

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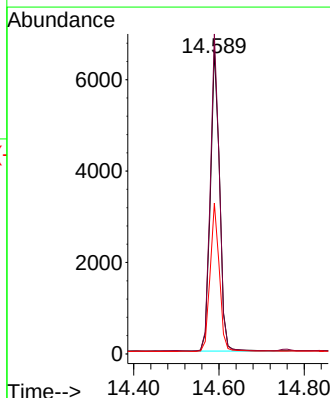
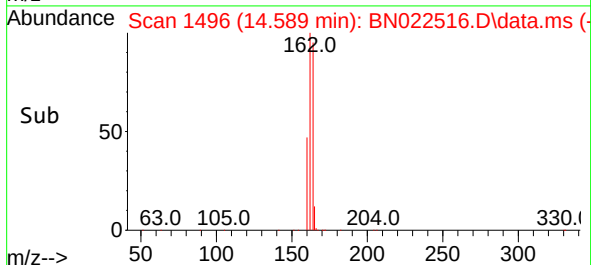
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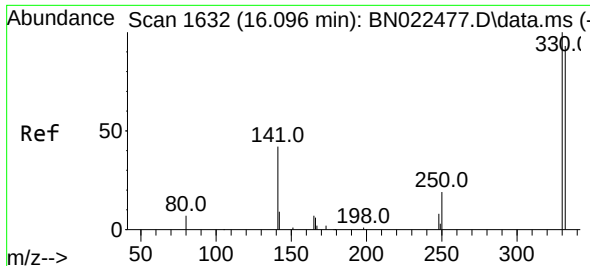


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17



Tgt Ion:164 Resp: 9885
Ion Ratio Lower Upper
164 100
162 105.2 82.0 123.0
160 49.6 39.4 59.2





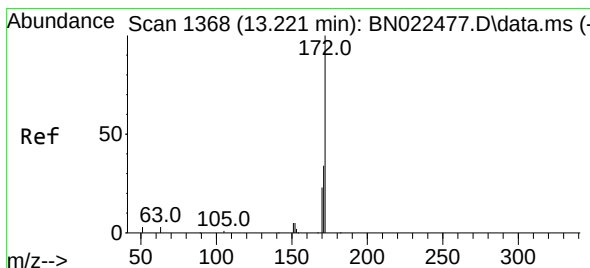
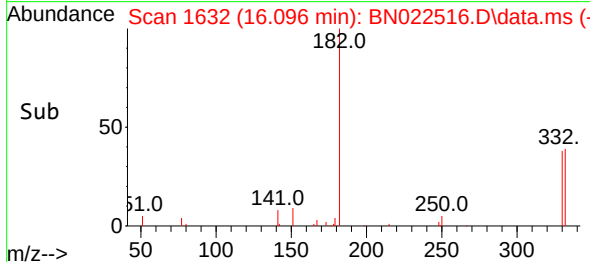
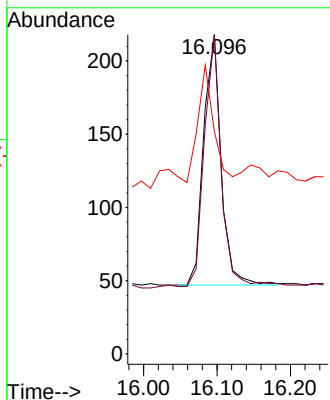
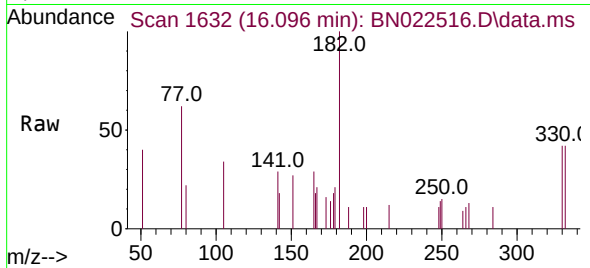
#14
2,4,6-Tribromophenol
Concen: 0.055 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

Tgt Ion: 330 Resp: 283
Ion Ratio Lower Upper
330 100
332 100.4 77.8 116.8
141 57.2 35.0 52.6

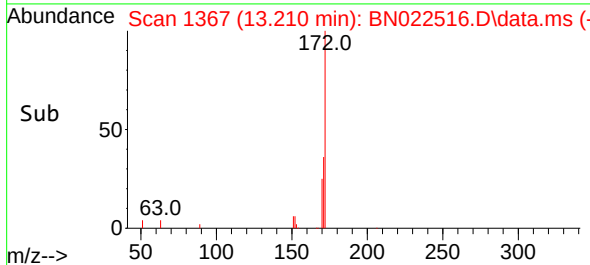
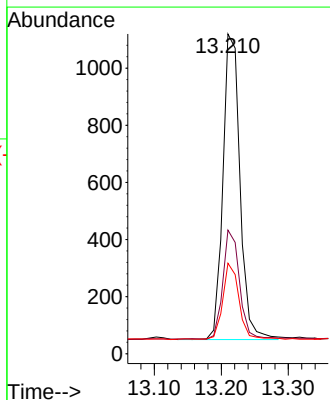
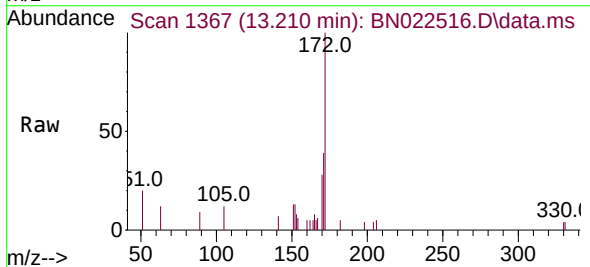
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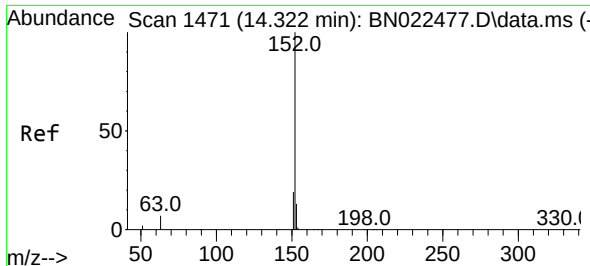
Reviewed By : Christian Giraldo 11/05/2022
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#15
2-Fluorobiphenyl
Concen: 0.046 ng
RT: 13.210 min Scan# 1367
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion: 172 Resp: 1890
Ion Ratio Lower Upper
172 100
171 38.7 27.9 41.9
170 28.3 19.2 28.8





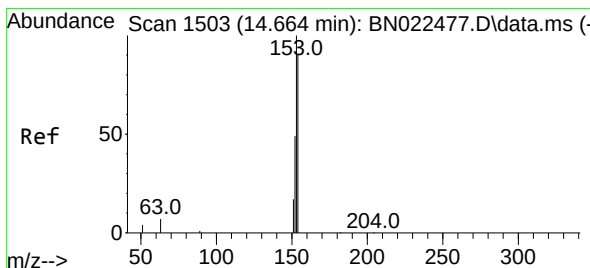
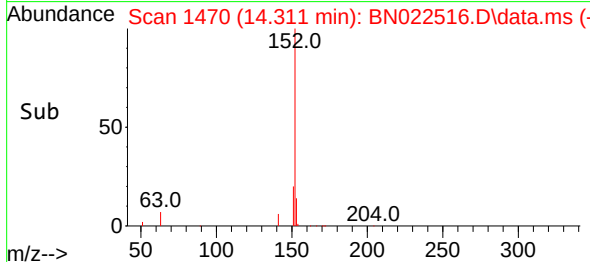
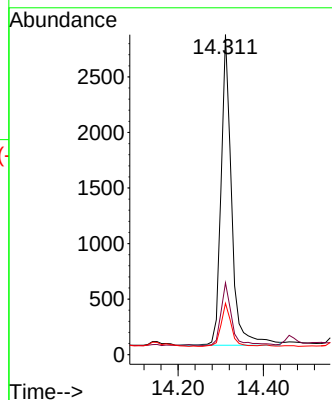
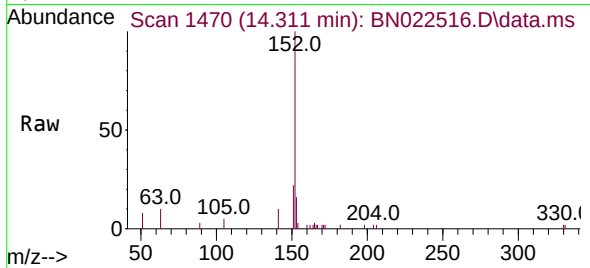
#16
Acenaphthylene
Concen: 0.095 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

Tgt Ion:152 Resp: 4790
Ion Ratio Lower Upper
152 100
151 20.5 15.8 23.6
153 13.3 10.3 15.5

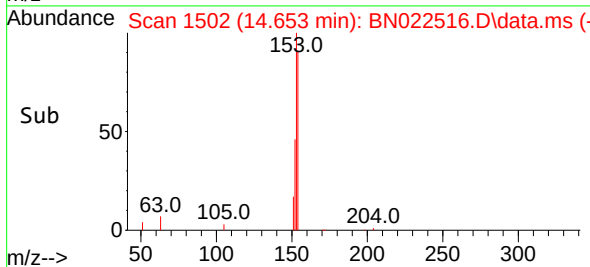
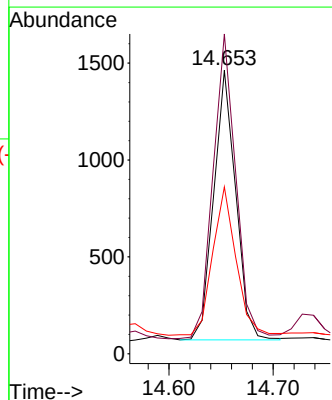
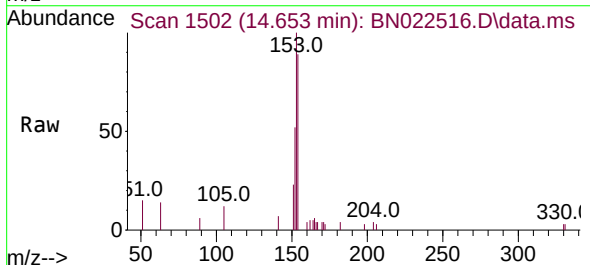
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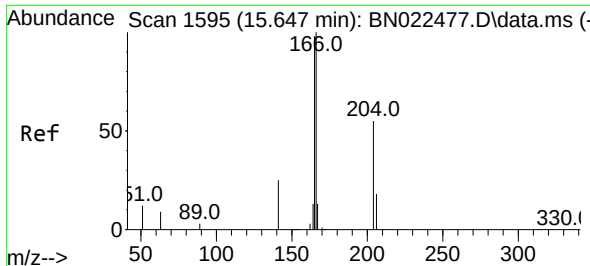
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#17
Acenaphthene
Concen: 0.063 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

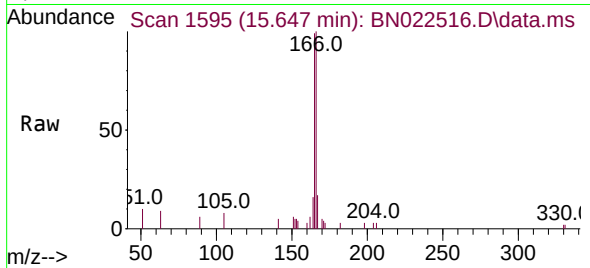
Tgt Ion:154 Resp: 2046
Ion Ratio Lower Upper
154 100
153 116.3 91.8 137.8
152 58.2 45.7 68.5





#18
Fluorene
Concen: 0.070 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

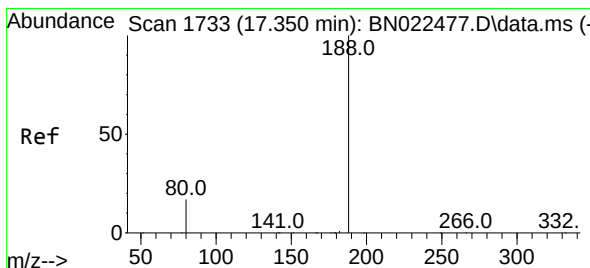
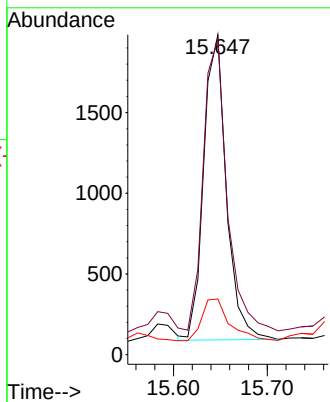
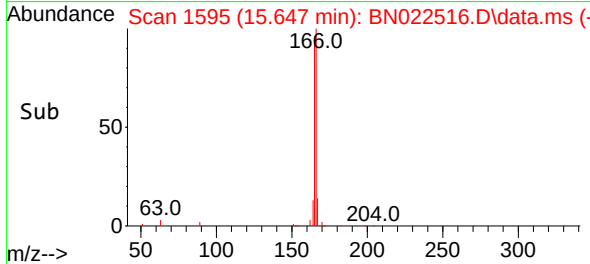
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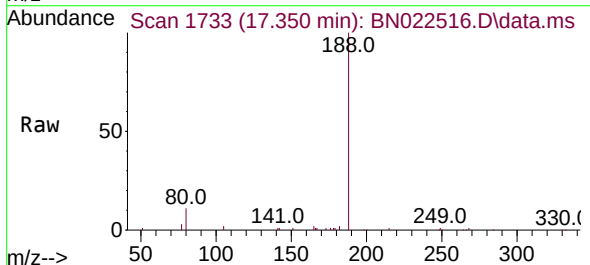
Tgt Ion:166 Resp: 318
Ion Ratio Lower Upper
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165 100.3 78.7 118.1
167 17.2 10.2 15.2

Manual Integrations
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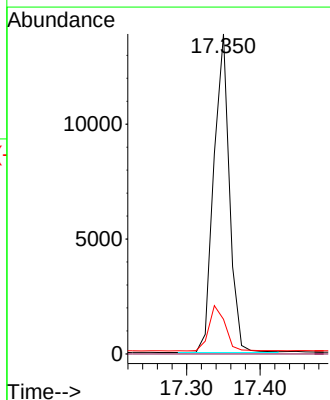
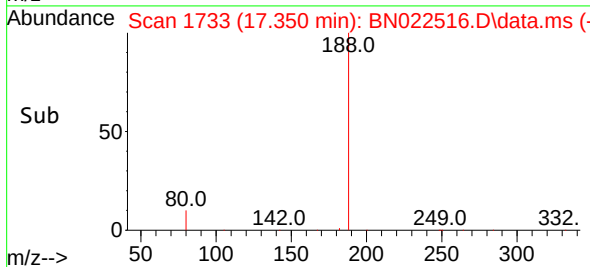
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

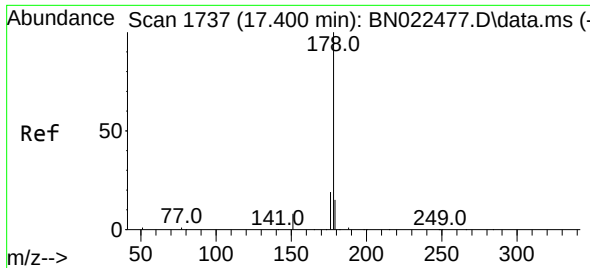


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17



Tgt Ion:188 Resp: 20563
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 14.6 21.8





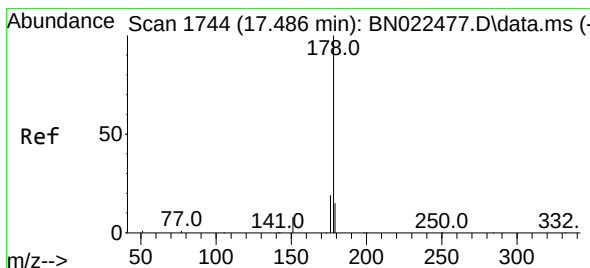
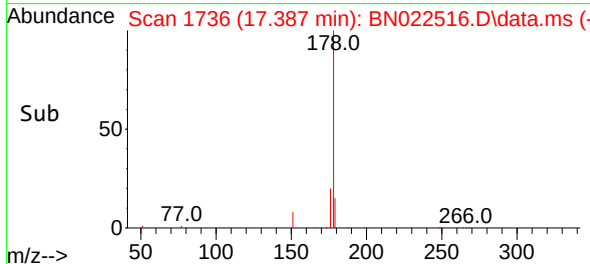
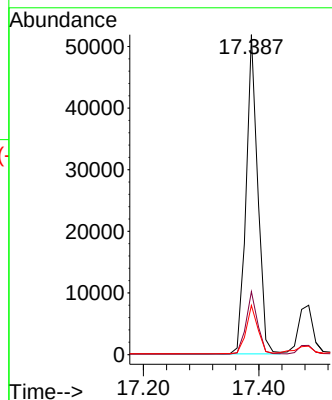
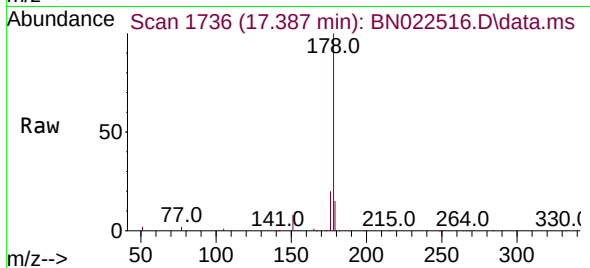
#25
Phenanthrene
Concen: 1.060 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

Tgt Ion:178 Resp: 72864
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.2 18.4

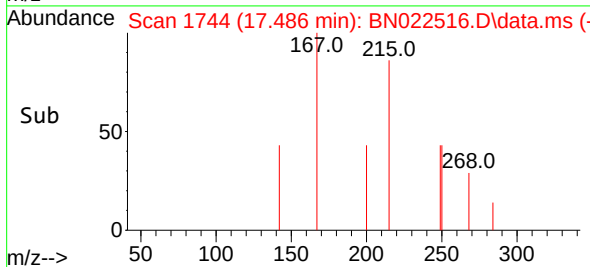
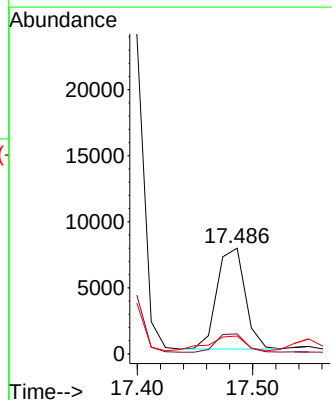
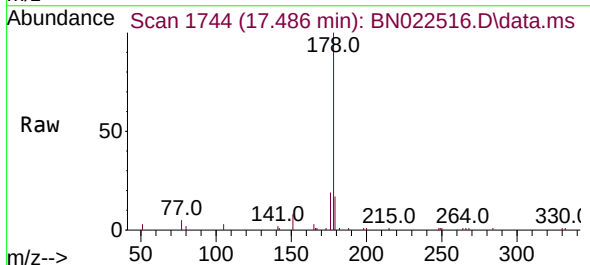
Manual Integrations
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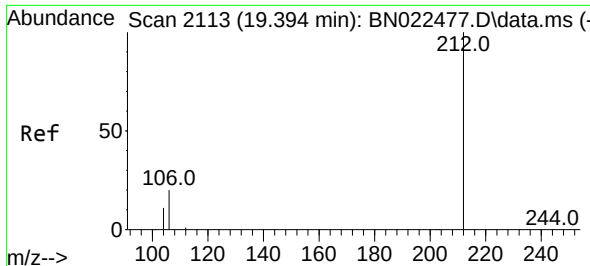
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#26
Anthracene
Concen: 0.215 ng
RT: 17.486 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

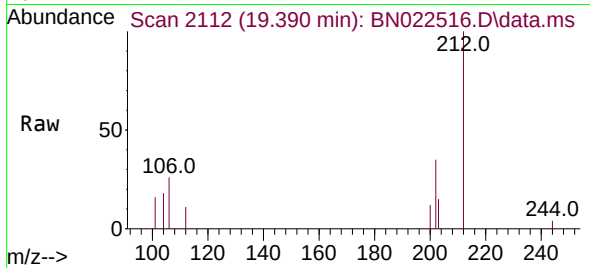
Tgt Ion:178 Resp: 12991
Ion Ratio Lower Upper
178 100
176 19.7 14.8 22.2
179 18.8 12.2 18.2#





#27
Fluoranthene-d10
Concen: 0.039 ng
RT: 19.390 min Scan# 2112
Delta R.T. -0.004 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

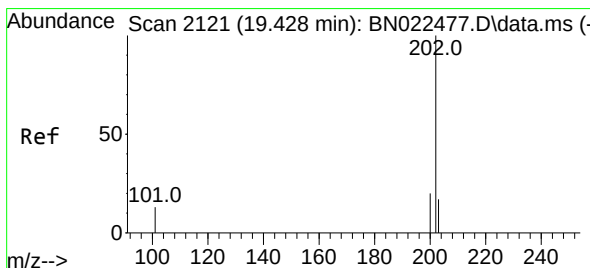
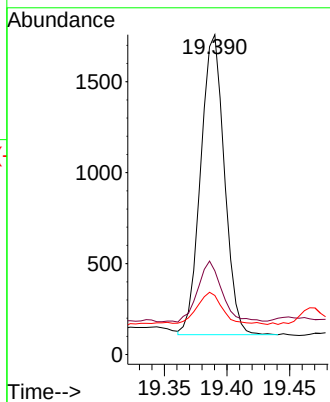
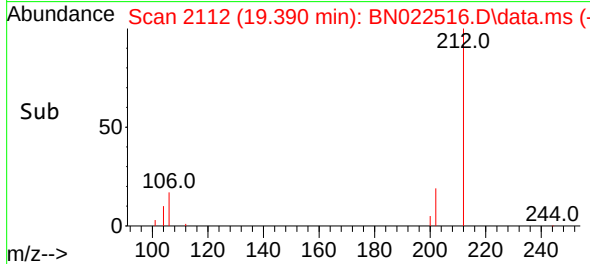
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2



Tgt Ion:212 Resp: 2170
Ion Ratio Lower Upper
212 100
106 20.3 15.2 22.8
104 12.2 8.6 12.8

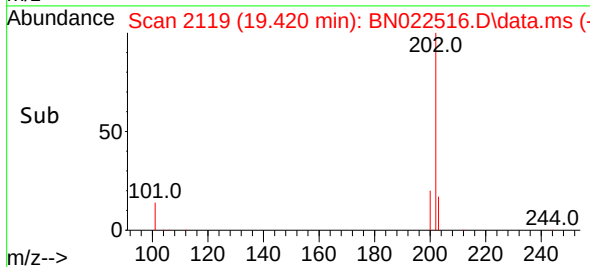
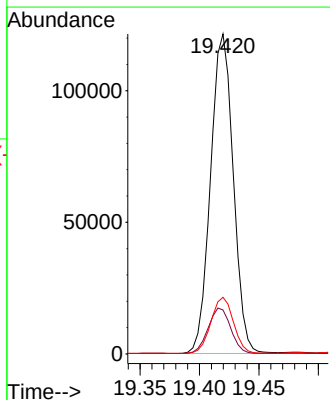
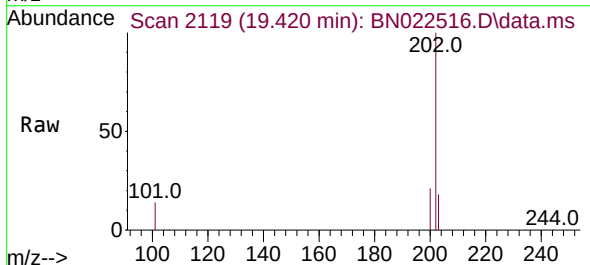
Manual Integrations
APPROVED

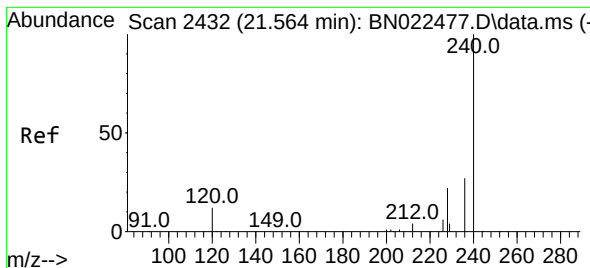
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#28
Fluoranthene
Concen: 2.181 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:202 Resp: 161570
Ion Ratio Lower Upper
202 100
101 14.2 11.2 16.8
203 17.4 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.555 min Scan# 2432

Delta R.T. -0.009 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

Instrument :

BNA_N

ClientSampleId :

S-6-103122DL2

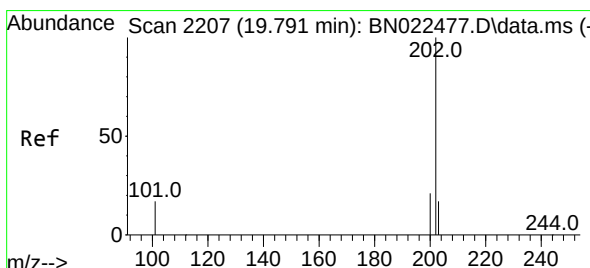
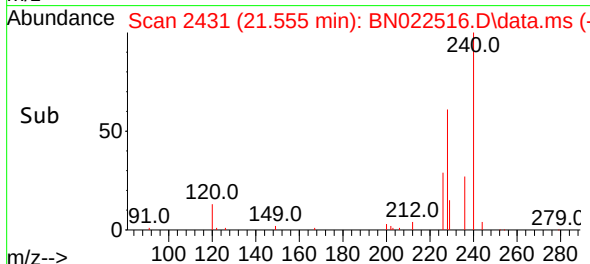
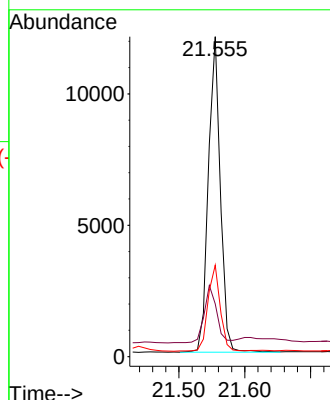
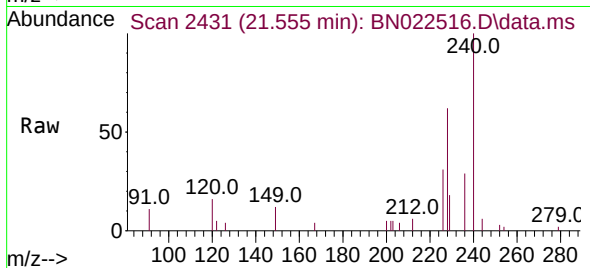
Tgt Ion:	240	Resp:	1514
Ion Ratio	Lower	Upper	
240	100		
120	16.5	12.4	18.6
236	28.6	22.7	34.1

Manual Integrations

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Reviewed By :Christian Giraldo 11/05/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#30

Pyrene

Concen: 2.100 ng

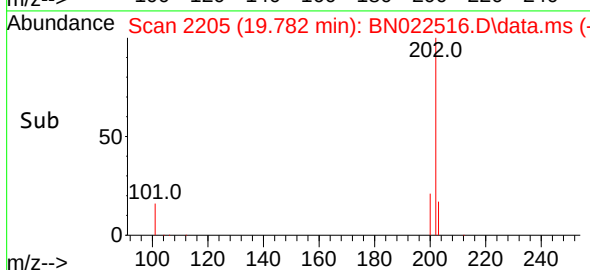
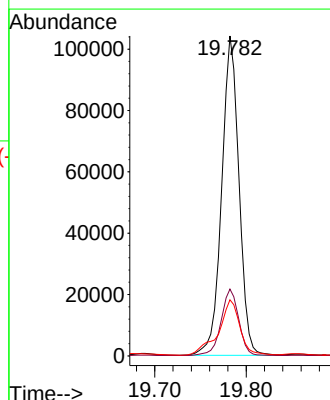
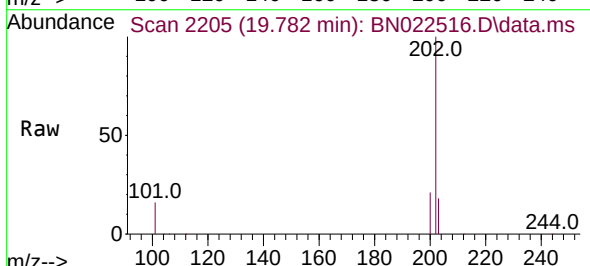
RT: 19.782 min Scan# 2205

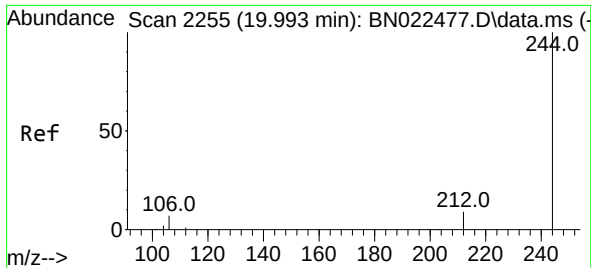
Delta R.T. -0.008 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

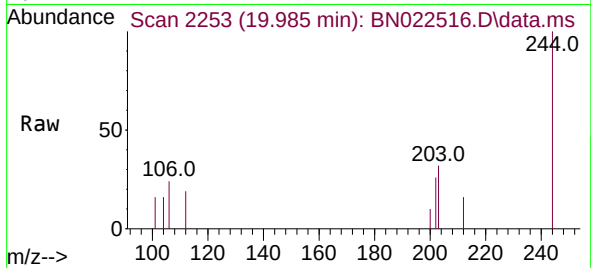
Tgt Ion:	202	Resp:	137287
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.0	25.4
203	21.3	14.3	21.5





#31
 Terphenyl-d14
 Concen: 0.040 ng
 RT: 19.985 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN022516.D
 Acq: 04 Nov 2022 20:17

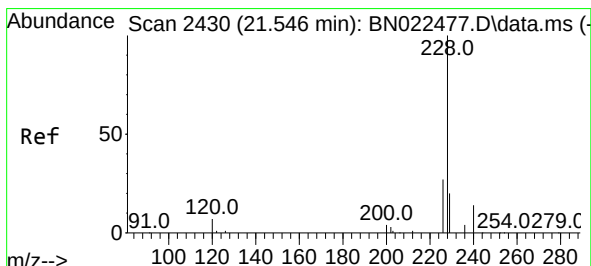
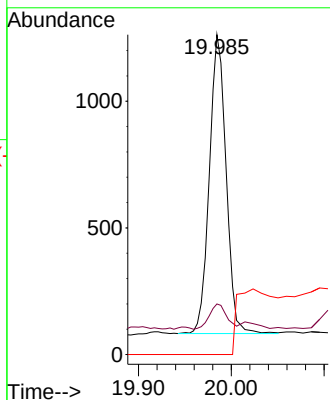
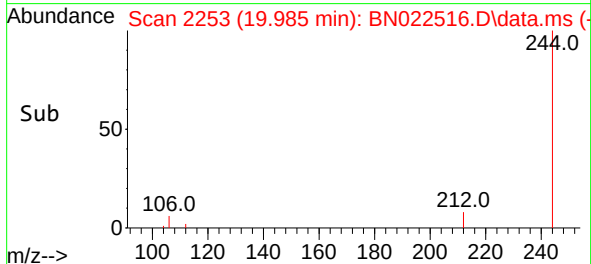
Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122DL2



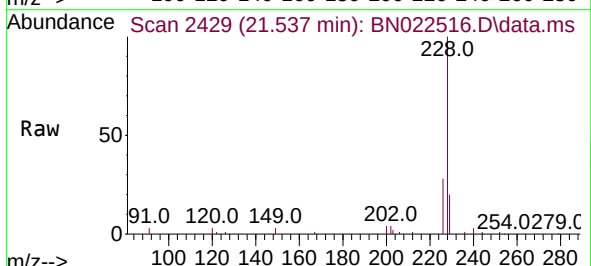
Tgt Ion:244 Resp: 1869
 Ion Ratio Lower Upper
 244 100
 212 15.8 7.8 11.8
 122 0.0 0.0 0.0

Manual Integrations
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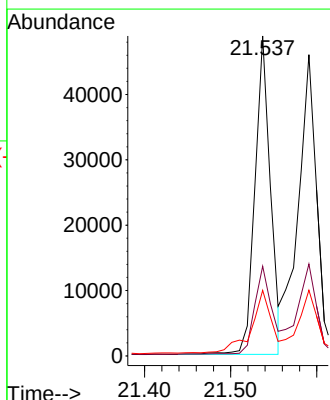
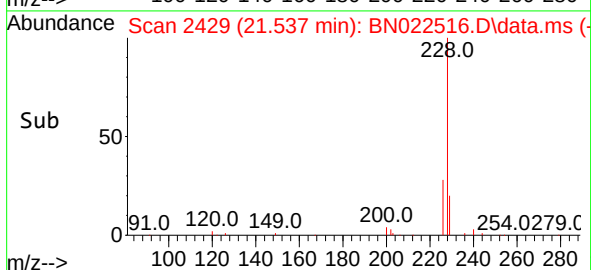
Reviewed By :Christian Giraldo 11/05/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

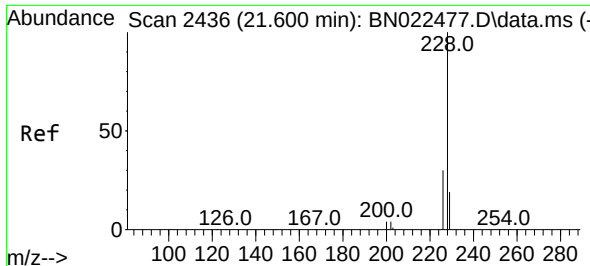


#32
 Benzo(a)anthracene
 Concen: 1.005 ng
 RT: 21.537 min Scan# 2429
 Delta R.T. -0.009 min
 Lab File: BN022516.D
 Acq: 04 Nov 2022 20:17



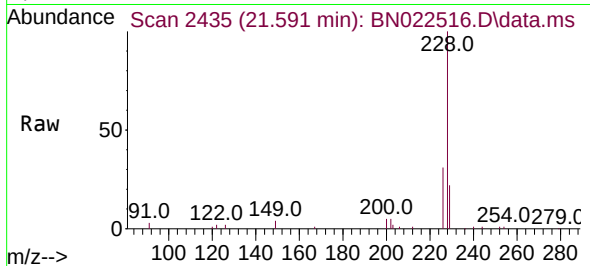
Tgt Ion:228 Resp: 61209
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.1 33.1
 229 20.5 16.4 24.6





#33
Chrysene
Concen: 1.176 ng m
RT: 21.591 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

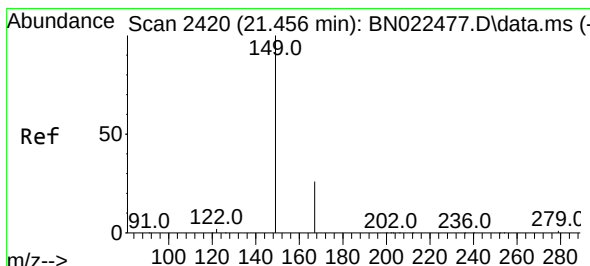
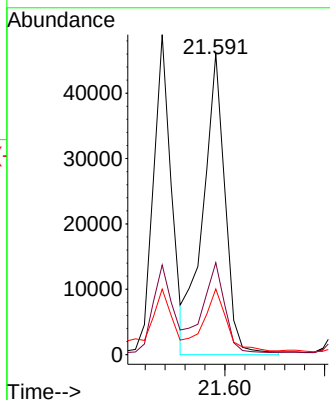
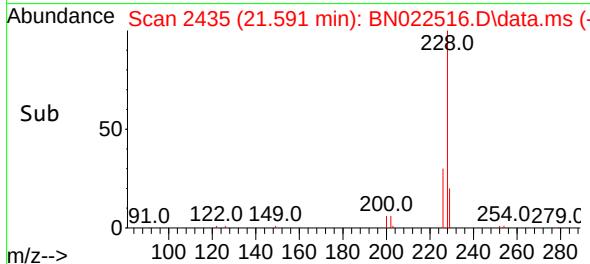
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2



Tgt Ion:228 Resp: 70929
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.8 15.9 23.9

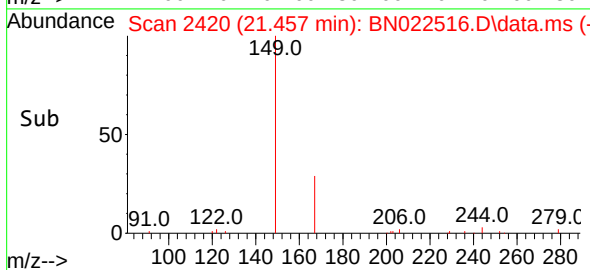
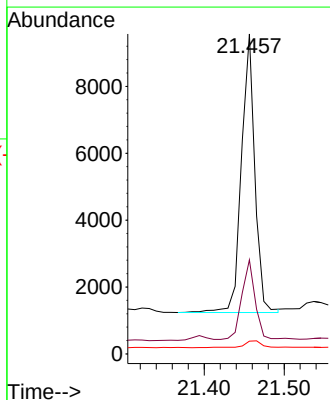
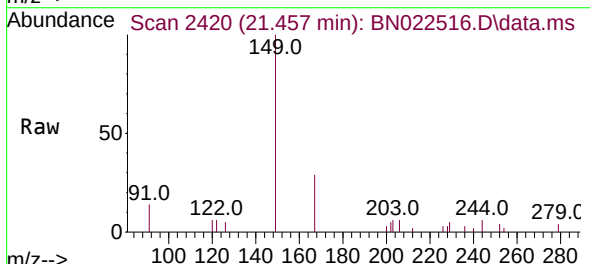
Manual Integrations
APPROVED

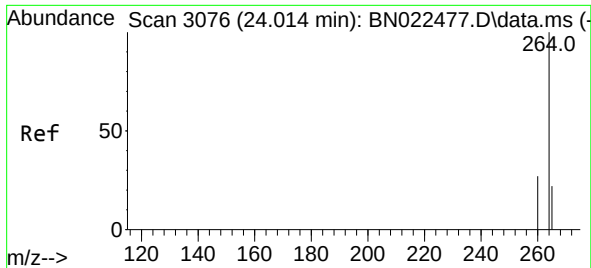
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.190 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

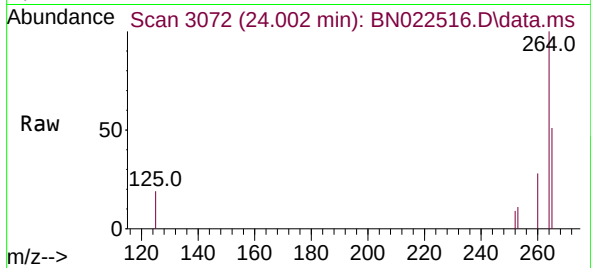
Tgt Ion:149 Resp: 9751
Ion Ratio Lower Upper
149 100
167 28.6 21.3 31.9
279 3.5 2.7 4.1





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.002 min Scan# 3076
 Delta R.T. -0.012 min
 Lab File: BN022516.D
 Acq: 04 Nov 2022 20:17

Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122DL2

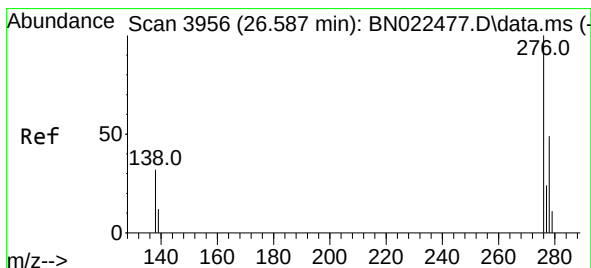
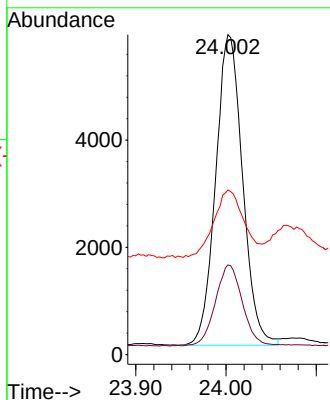
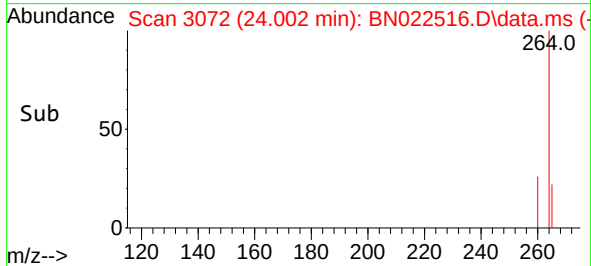


Tgt Ion: 264 Resp: 12013

Ion	Ratio	Lower	Upper
264	100		
260	28.0	22.4	33.6
265	51.5	44.4	66.6

Manual Integrations
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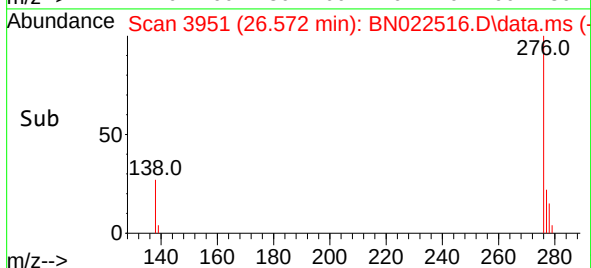
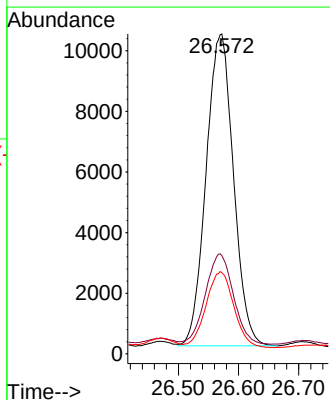
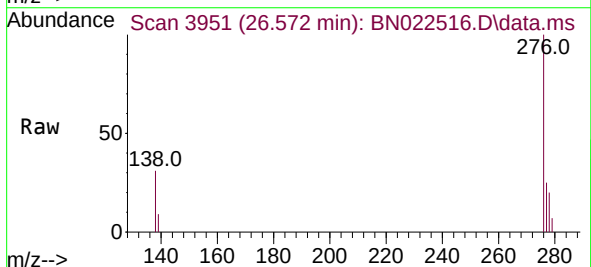
Reviewed By : Christian Giraldo 11/05/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

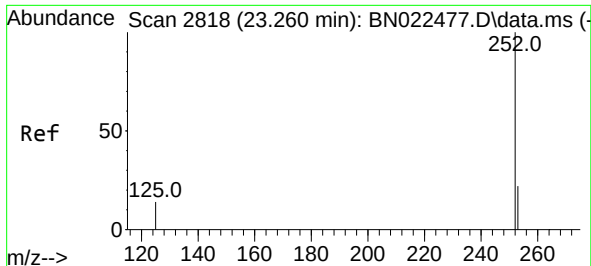


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.563 ng
 RT: 26.572 min Scan# 3951
 Delta R.T. -0.015 min
 Lab File: BN022516.D
 Acq: 04 Nov 2022 20:17

Tgt Ion: 276 Resp: 32567

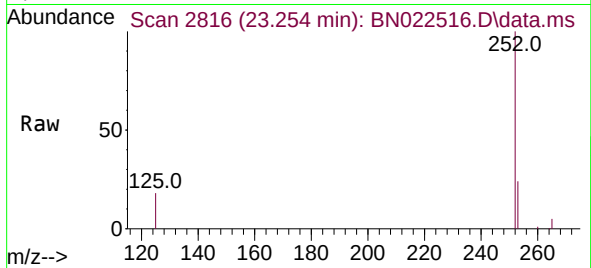
Ion	Ratio	Lower	Upper
276	100		
138	29.5	27.5	41.3
277	24.9	19.8	29.6





#37
Benzo(b)fluoranthene
Concen: 1.627 ng
RT: 23.254 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

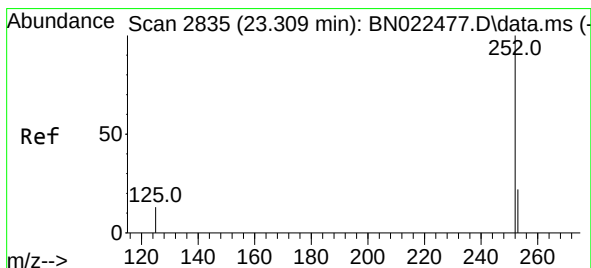
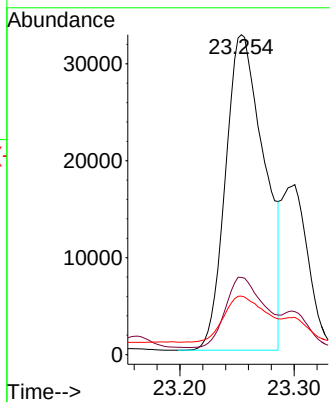
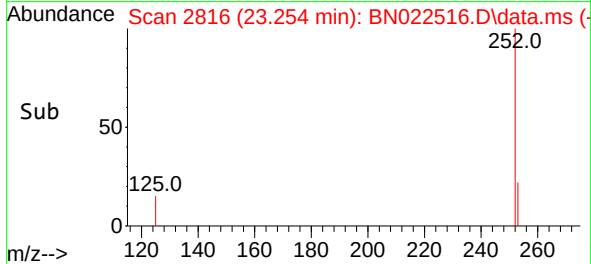
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2



Tgt Ion:252 Resp: 76844
Ion Ratio Lower Upper
252 100
253 24.1 21.1 31.7
125 18.3 16.8 25.2

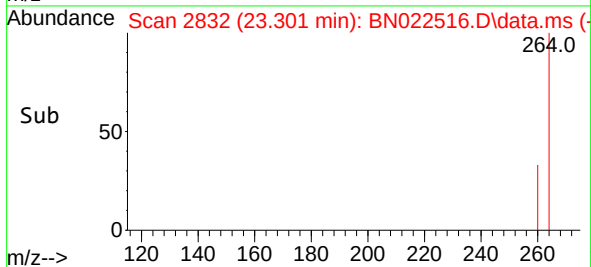
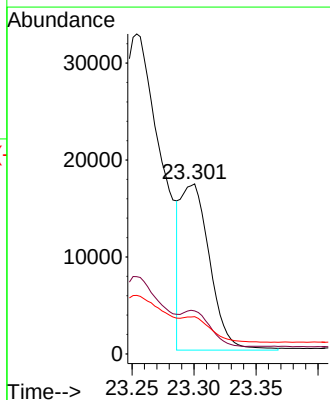
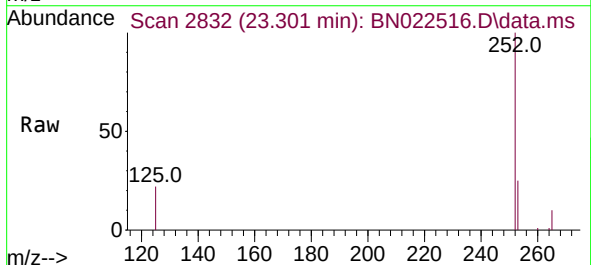
Manual Integrations
APPROVED

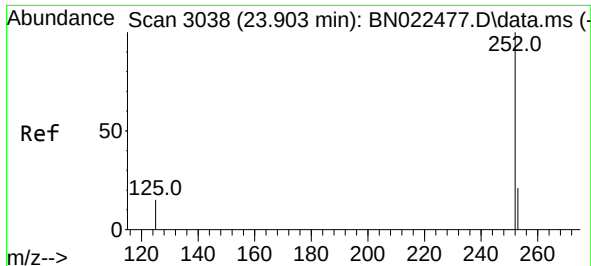
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#38
Benzo(k)fluoranthene
Concen: 0.585 ng m
RT: 23.301 min Scan# 2832
Delta R.T. -0.009 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:252 Resp: 28165
Ion Ratio Lower Upper
252 100
253 25.3 20.9 31.3
125 21.9 16.1 24.1





#39

Benzo(a)pyrene

Concen: 1.208 ng

RT: 23.891 min Scan# 3038

Delta R.T. -0.012 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

Instrument :

BN022516.D

ClientSampleId :

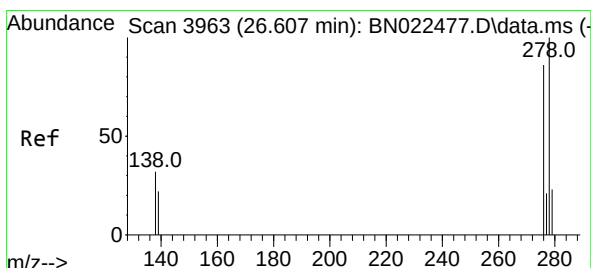
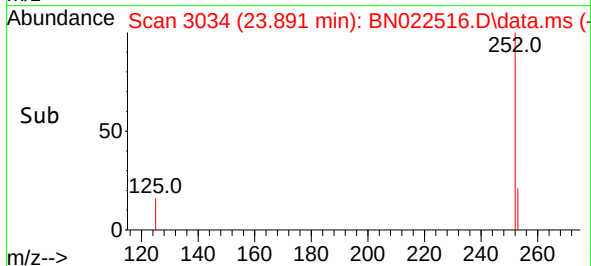
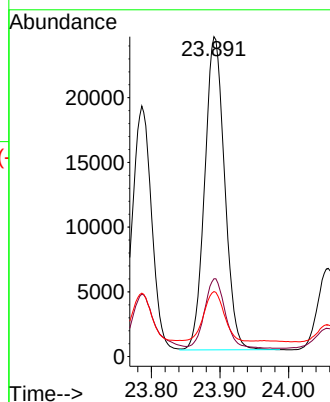
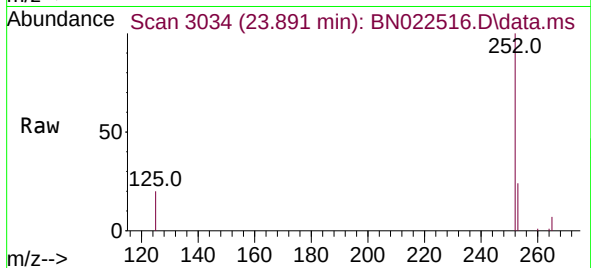
S-6-103122DL2

Tgt Ion:252	Resp:	4888
Ion Ratio	Lower	Upper
252	100	
253	24.3	22.0 33.0
125	20.3	19.8 29.8

Manual Integrations

APPROVED

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Supervised By :Jagrut Upadhyay 11/07/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.174 ng

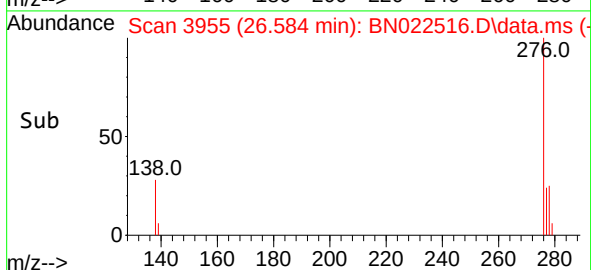
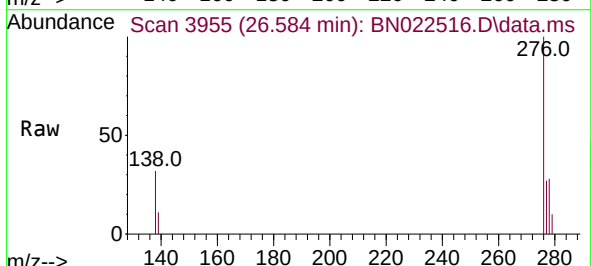
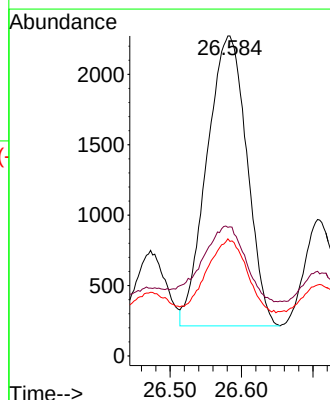
RT: 26.584 min Scan# 3955

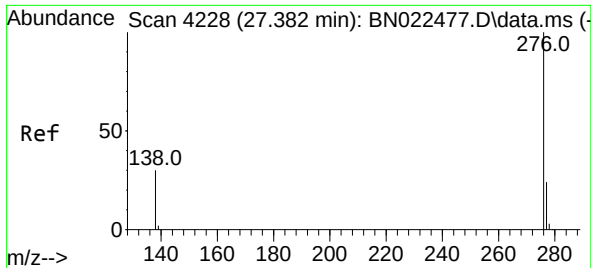
Delta R.T. -0.023 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

Tgt Ion:278	Resp:	8018
Ion Ratio	Lower	Upper
278	100	
139	40.3	21.8 32.6#
279	35.8	21.5 32.3#





#41

Benzo(g,h,i)perylene

Concen: 0.656 ng

RT: 27.364 min Scan# 41

Delta R.T. -0.018 min

Lab File: BN022516.D

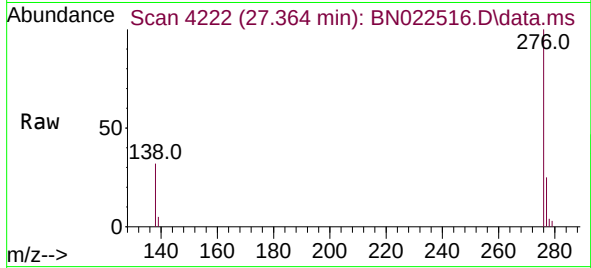
Acq: 04 Nov 2022 20:17

Instrument :

BNA_N

ClientSampleId :

S-6-103122DL2



Tgt Ion:276 Resp: 3206

Ion Ratio Lower Upper

276 100

277 25.3 21.0 31.4

138 31.8 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/05/2022

Supervised By :Jagrut Upadhyay 11/07/2022

