

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017671.D
 Acq On : 02 Dec 2021 05:15
 Operator : CG/JU
 Sample : M4895-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLAB-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021

Quant Time: Dec 02 10:23:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 02 01:51:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	17383	0.40	ng	0.00
7) Naphthalene-d8	10.509	136	77370	0.40	ng	# 0.00
13) Acenaphthene-d10	14.359	164	51520	0.40	ng	0.00
19) Phenanthrene-d10	17.104	188	111511	0.40	ng	0.00
29) Chrysene-d12	21.293	240	102259	0.40	ng	# 0.01
35) Perylene-d12	23.595	264	115333	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	734	0.02	ng	0.00
5) Phenol-d6	6.915	99	1811	0.04	ng	0.00
8) Nitrobenzene-d5	8.875	82	2690m	0.08	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	6900	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	295	0.13	ng	0.01
15) 2-Fluorobiphenyl	12.989	172	10083	0.05	ng	0.00
27) Fluoranthene-d10	19.134	212	18912	0.05	ng	0.00
31) Terphenyl-d14	19.739	244	14250	0.06	ng	0.00
Target Compounds						
						Qvalue
16) Acenaphthylene	14.080	152	26929	0.13	ng	99
25) Phenanthrene	17.141	178	192629	0.63	ng	99
26) Anthracene	17.226	178	27728	0.11	ng	# 88
28) Fluoranthene	19.164	202	389047	1.12	ng	# 97
30) Pyrene	19.526	202	291306	0.88	ng	97
32) Benzo(a)anthracene	21.271	228	115630	0.37	ng	# 87
33) Chrysene	21.324	228	156961	0.46	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.218	149	305641	4.15	ng	# 94
36) Indeno(1,2,3-cd)pyrene	25.950	276	89807	0.24	ng	# 90
37) Benzo(b)fluoranthene	22.901	252	221149	0.58	ng	# 38
38) Benzo(k)fluoranthene	22.942	252	78508m	0.20	ng	
39) Benzo(a)pyrene	23.493	252	97016	0.28	ng	# 1
40) Dibenzo(a,h)anthracene	25.964	278	20445	0.07	ng	# 1
41) Benzo(g,h,i)perylene	26.673	276	87042	0.28	ng	# 86

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

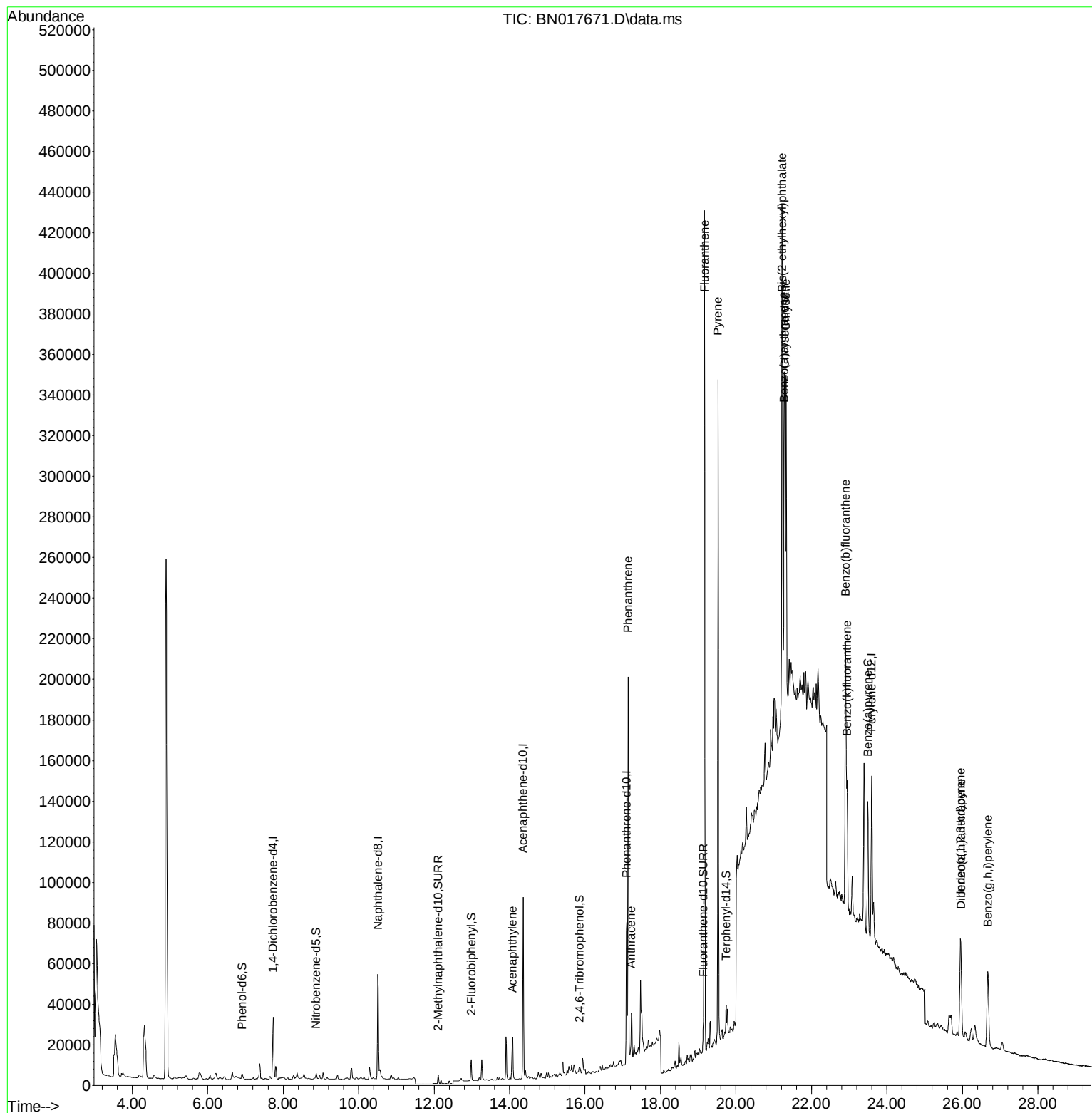
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017671.D
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 ALS Vial : 22 Sample Multiplier: 1

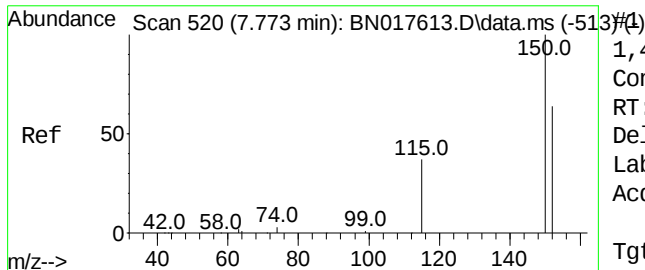
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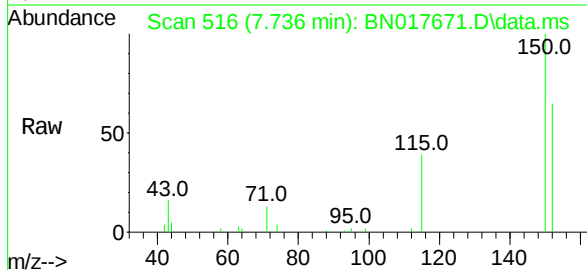
1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.736 min Scan# 4
 Delta R.T. -0.000 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Instrument :

BNA_N

ClientSampleId :

SLAB-2

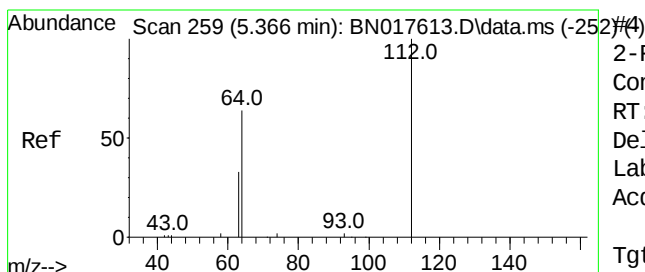
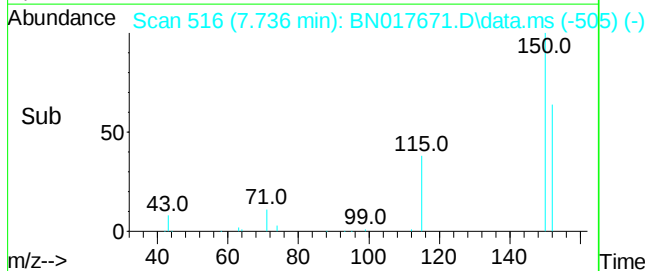
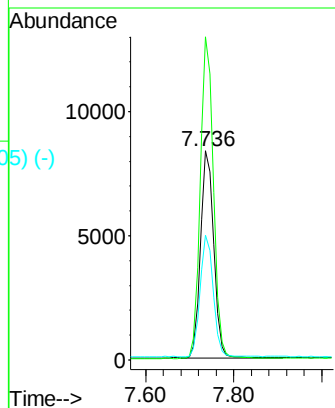


Tgt Ion:152 Resp: 1738
 Ion Ratio Lower Upper
 152 100
 150 154.6 123.0 184.4
 115 59.6 45.6 68.4

Manual Integrations

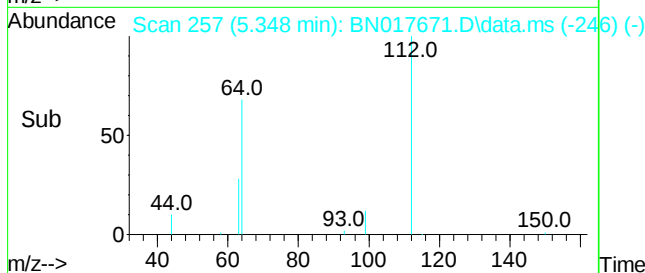
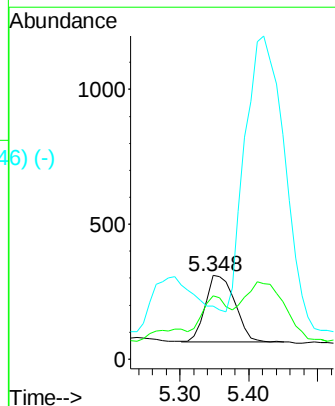
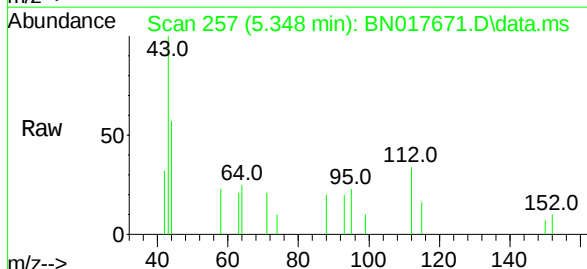
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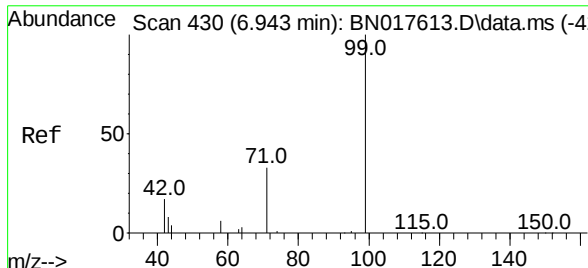
Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021



2-Fluorophenol
 Concen: 0.02 ng
 RT: 5.348 min Scan# 257
 Delta R.T. 0.000 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Tgt Ion:112 Resp: 734
 Ion Ratio Lower Upper
 112 100
 64 45.1 47.6 71.4#
 63 0.0 24.6 37.0#





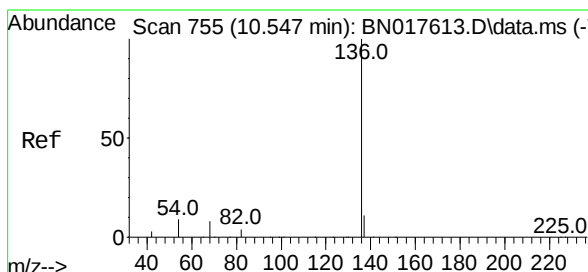
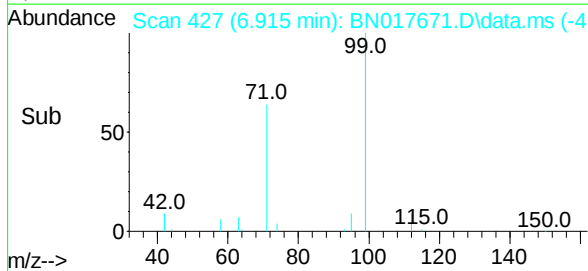
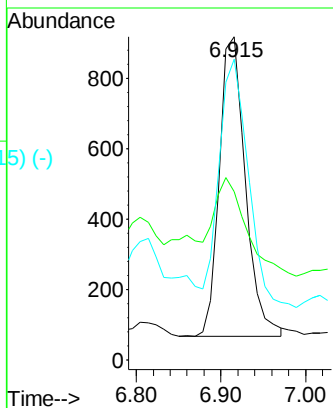
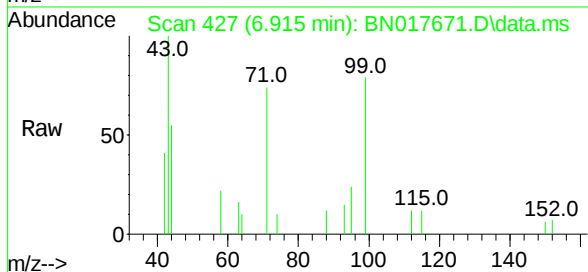
Phenol-d6
Concen: 0.04 ng
RT: 6.915 min Scan# 415
Delta R.T. 0.009 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 185
Ion Ratio Lower Upper
99 100
42 34.3 17.0 25.6
71 88.3 24.8 37.2

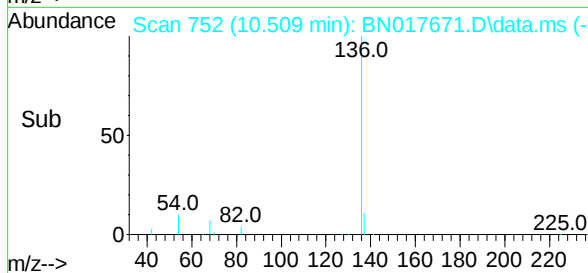
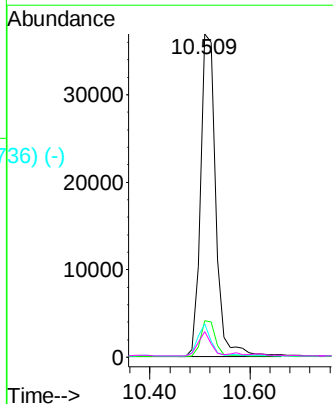
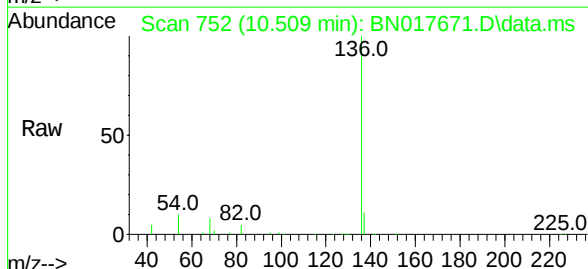
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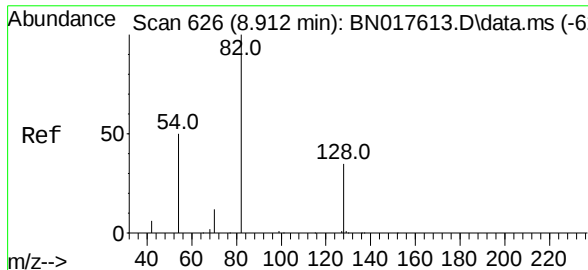
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



Naphthalene-d8
Concen: 0.40 ng
RT: 10.509 min Scan# 752
Delta R.T. 0.000 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

Tgt Ion:136 Resp: 77370
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.2 4.0 6.0#
68 8.0 3.0 4.6#





Nitrobenzene-d5

Concen: 0.08 ng m

RT: 8.875 min Scan# 626

Delta R.T. 0.000 min

Lab File: BN017671.D

Acq: 02 Dec 2021 05:15

Instrument :

BNA_N

ClientSampleId :

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Tgt Ion: 82 Resp: 269

Ion Ratio Lower Upper

82 100

128 35.9 27.7 41.5

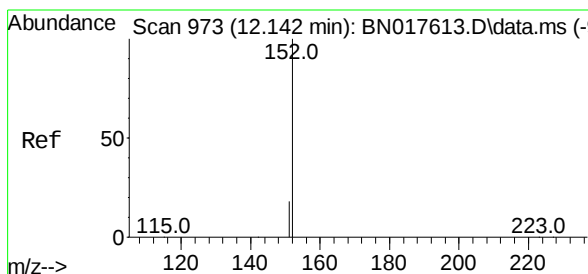
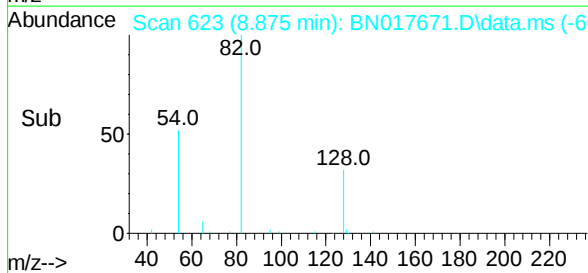
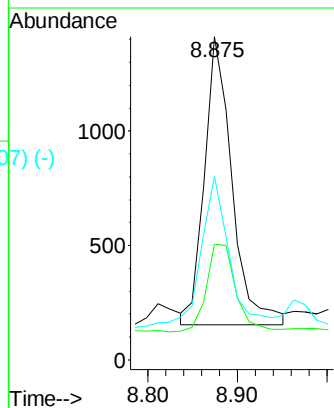
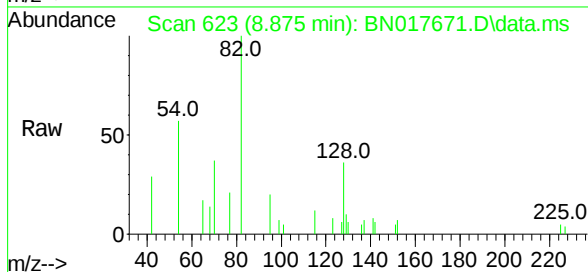
54 56.8 49.2 73.8

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2-Methylnaphthalene-d10

Concen: 0.05 ng

RT: 12.106 min Scan# 965

Delta R.T. 0.000 min

Lab File: BN017671.D

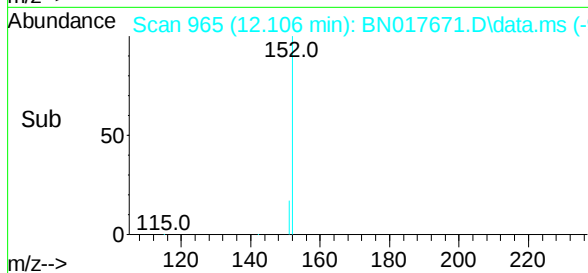
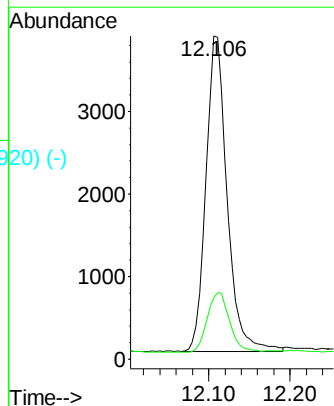
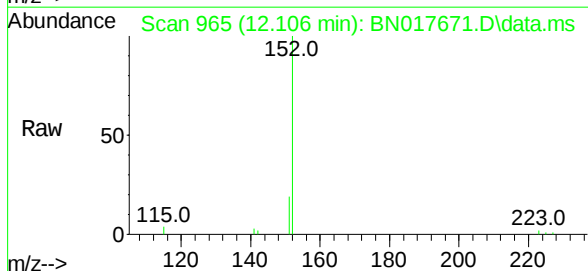
Acq: 02 Dec 2021 05:15

Tgt Ion:152 Resp: 6900

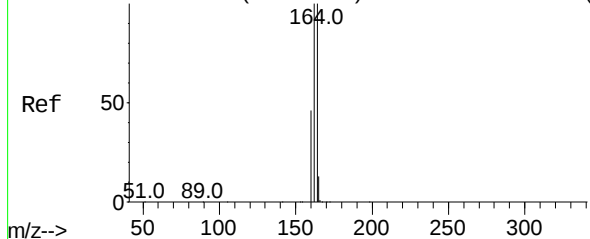
Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4



Abundance Scan 1203 (14.384 min): BN017613.D\data.ms (-1198) (-)



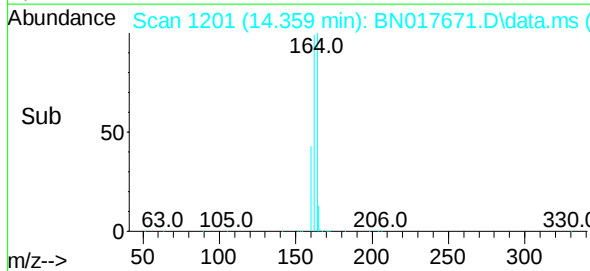
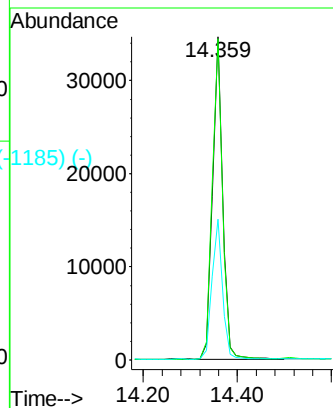
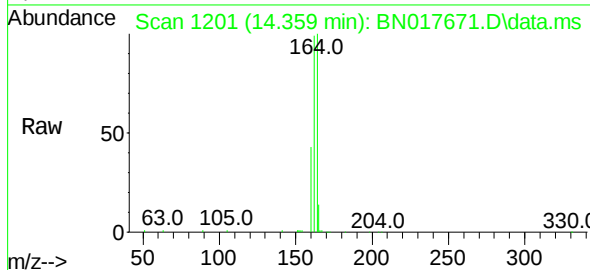
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.359 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

Instrument :
BNA_N
ClientSampleId :
SLAB-2

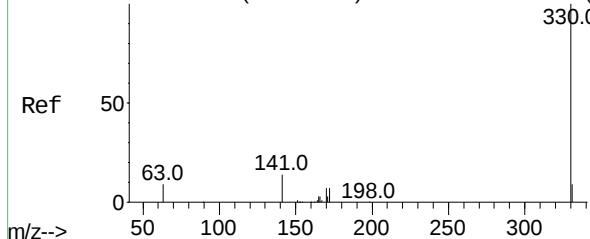
Tgt Ion:	164	Resp:	5152
Ion Ratio	Lower	Upper	
164	100		
162	99.5	81.4	122.2
160	43.5	36.8	55.2

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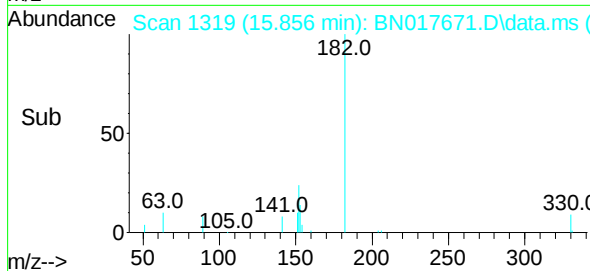
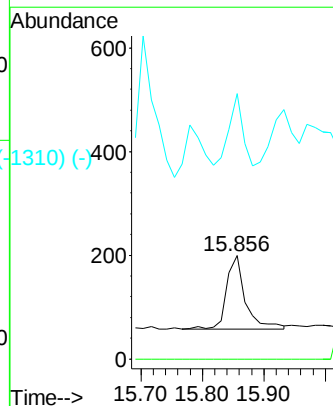
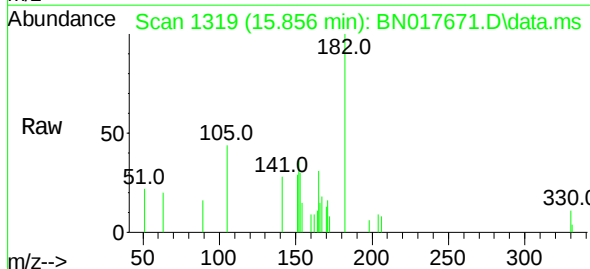


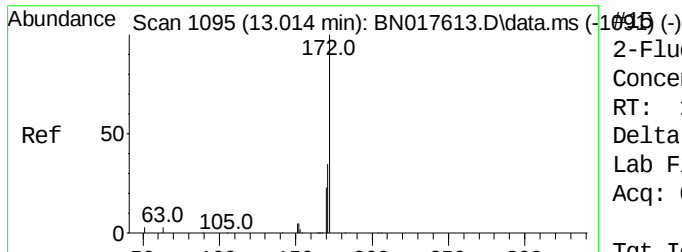
Abundance Scan 1321 (15.881 min): BN017613.D\data.ms (-1314) (-)



2,4,6-Tribromophenol
Concen: 0.13 ng
RT: 15.856 min Scan# 1319
Delta R.T. 0.013 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

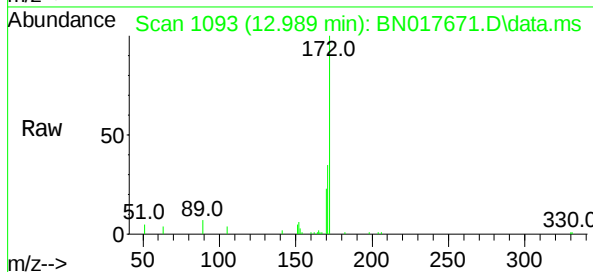
Tgt Ion:	330	Resp:	295
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	68.8	28.9	43.3#





2-Fluorobiphenyl
Concen: 0.05 ng
RT: 12.989 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

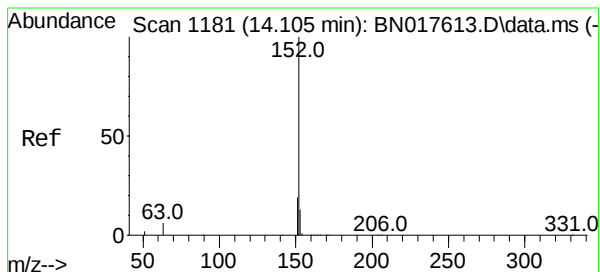
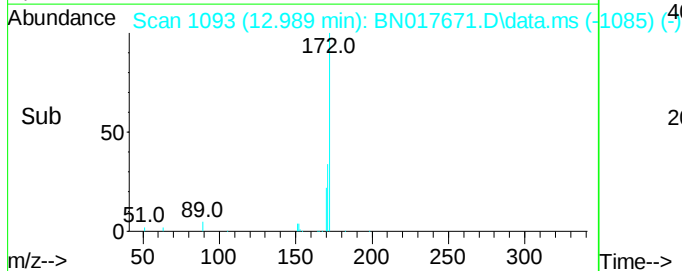
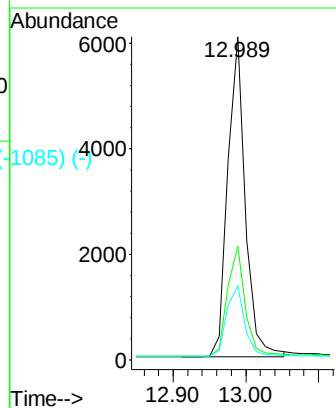
Instrument :
BNA_N
ClientSampleId :
SLAB-2



Tgt Ion:172 Resp: 1008
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.3
170 23.0 19.4 29.2

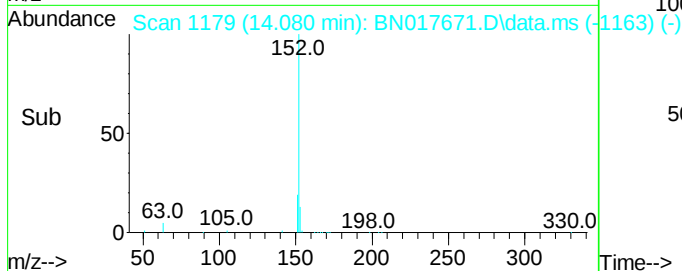
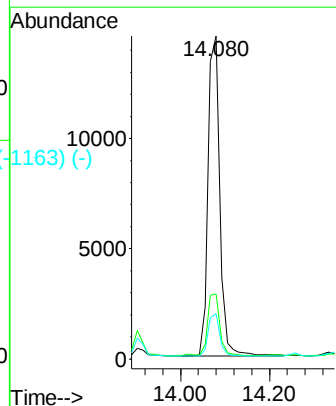
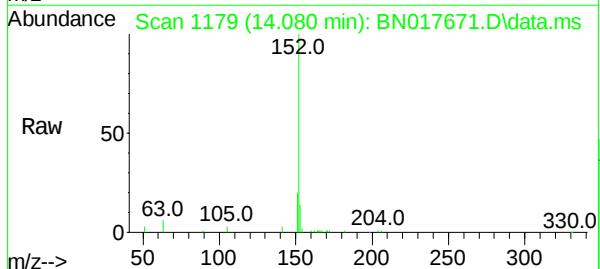
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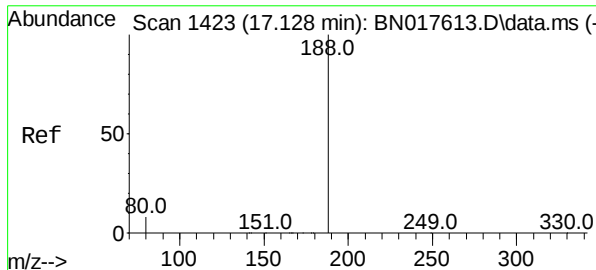
Reviewed By :Jagrut Upadhyay 12/02/2021
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Acenaphthylene
Concen: 0.13 ng
RT: 14.080 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

Tgt Ion:152 Resp: 26929
Ion Ratio Lower Upper
152 100
151 20.4 15.5 23.3
153 13.0 10.4 15.6





Scan 1423 (17.128 min): BN017613.D\data.ms (-1419) (-)
 Phenanthrene-d10
 Concen: 0.40 ng
 RT: 17.104 min Scan# 1419
 Delta R.T. 0.000 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Instrument :

BNA_N

ClientSampleId :

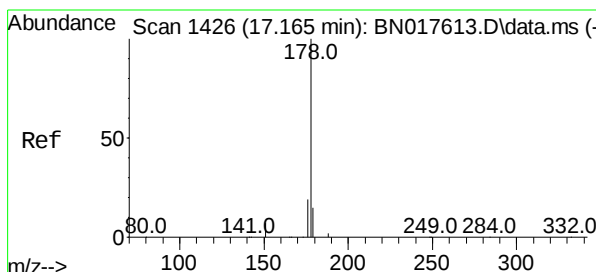
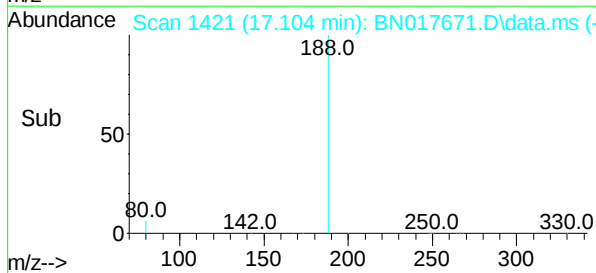
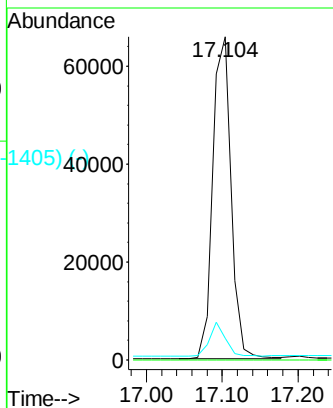
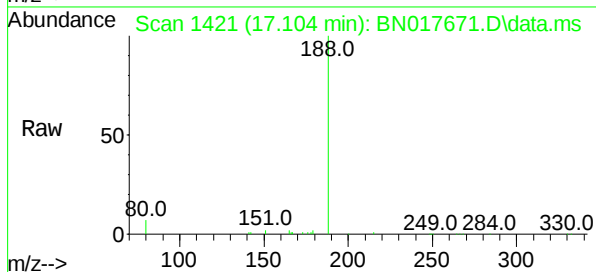
SLAB-2

Tgt Ion:188 Resp: 1115
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 6.7 6.1 9.1

Manual Integrations

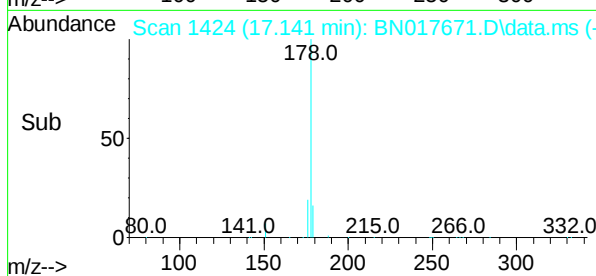
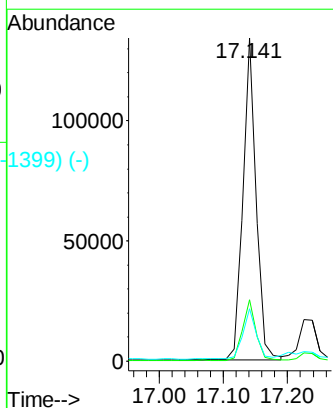
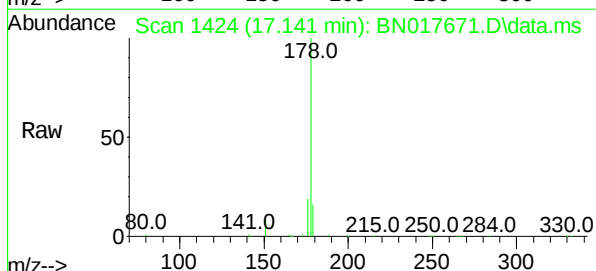
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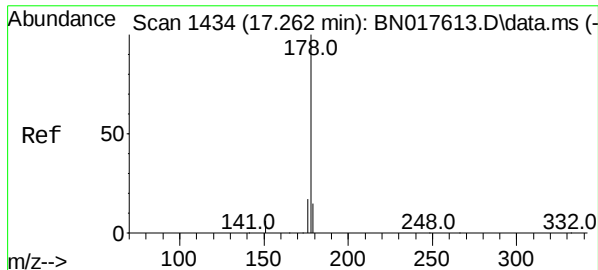
Reviewed By :Jagrut Upadhyay 12/02/2021
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Scan 1426 (17.165 min): BN017613.D\data.ms (-1425) (-)
 Phenanthrene
 Concen: 0.63 ng
 RT: 17.141 min Scan# 1424
 Delta R.T. 0.000 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Tgt Ion:178 Resp: 192629
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 16.2 12.3 18.5





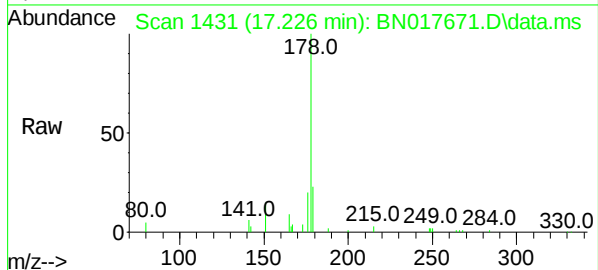
Scan 1434 (17.262 min): BN017613.D\data.ms (-1426) (-)
 Anthracene
 Concen: 0.11 ng
 RT: 17.226 min Scan# 1426
 Delta R.T. -0.012 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Instrument :

BNA_N

ClientSampleId :

SLAB-2

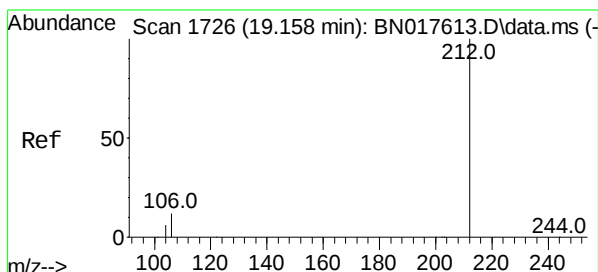
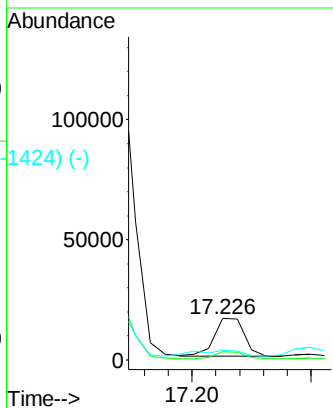
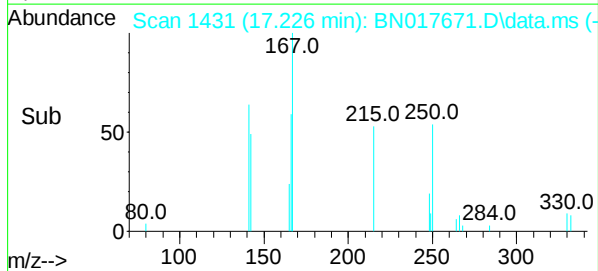


Tgt Ion:178 Resp: 2772
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 22.0
 179 25.7 12.2 18.4

Manual Integrations

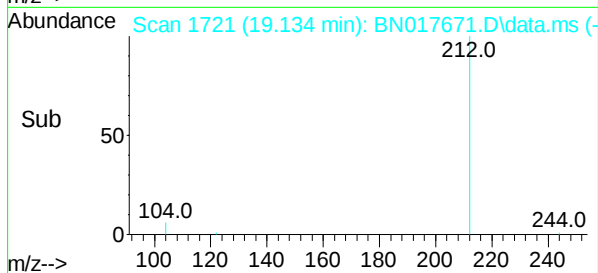
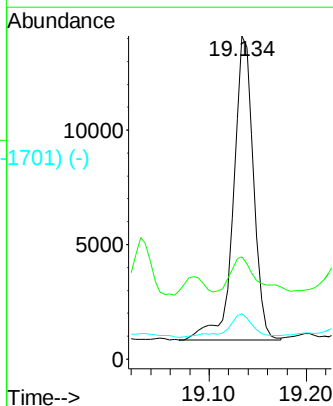
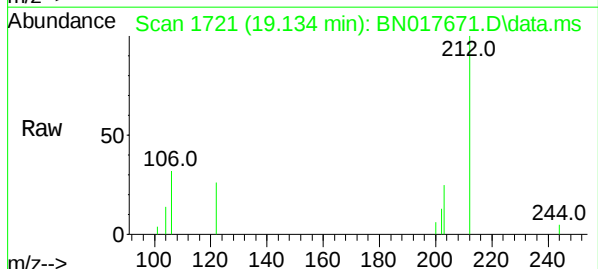
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 Supervised By :mohammad ahmed 12/05/2021

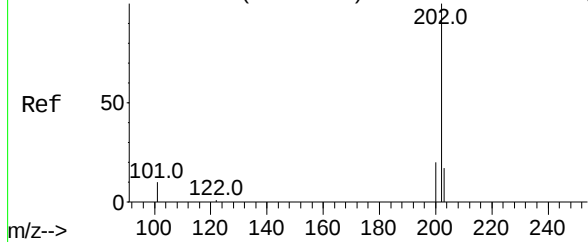


Scan 1726 (19.158 min): BN017613.D\data.ms (-1725) (-)
 Fluoranthene-d10
 Concen: 0.05 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. 0.000 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Tgt Ion:212 Resp: 18912
 Ion Ratio Lower Upper
 212 100
 106 14.8 10.5 15.7
 104 9.7 5.8 8.6#



Abundance Scan 1732 (19.188 min): BN017613.D\data.ms (-1728) (-)



Fluoranthene

Concen: 1.12 ng

RT: 19.164 min Scan# 1728

Delta R.T. 0.000 min

Lab File: BN017671.D

Acq: 02 Dec 2021 05:15

Instrument :

BNA_N

ClientSampleId :

SLAB-2

Tgt Ion:202 Resp: 38904

Ion Ratio Lower Upper

202 100

101 8.1 8.9 13.3

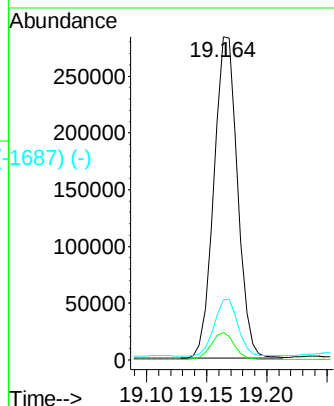
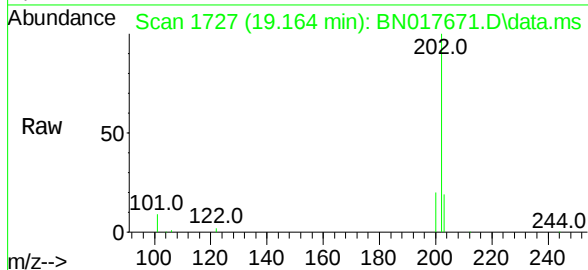
203 17.4 13.8 20.6

Manual Integrations

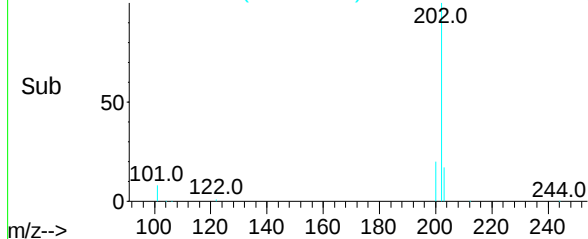
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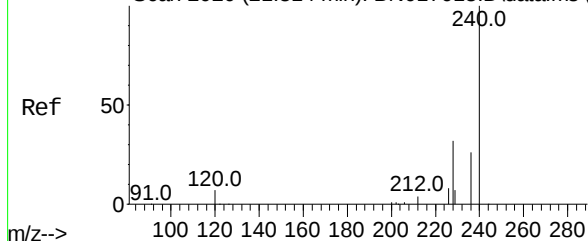
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Abundance Scan 1727 (19.164 min): BN017671.D\data.ms (-1687) (-)



Abundance Scan 2020 (21.314 min): BN017613.D\data.ms (-2029) (-)



Chrysene-d12

Concen: 0.40 ng

RT: 21.293 min Scan# 2018

Delta R.T. 0.011 min

Lab File: BN017671.D

Acq: 02 Dec 2021 05:15

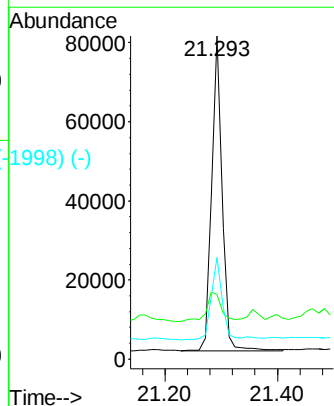
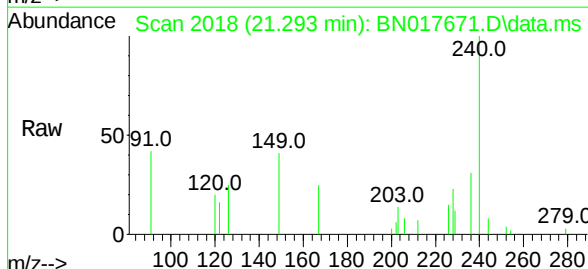
Tgt Ion:240 Resp: 102259

Ion Ratio Lower Upper

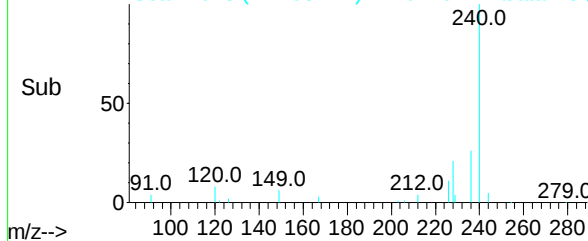
240 100

120 19.9 4.2 6.2#

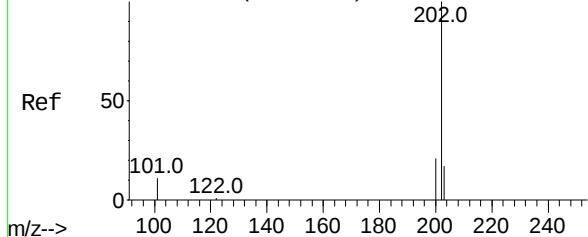
236 31.4 20.0 30.0#



Abundance Scan 2018 (21.293 min): BN017671.D\data.ms (-1998) (-)



Abundance Scan 1805 (19.551 min): BN017613.D\data.ms (-1730) (-)



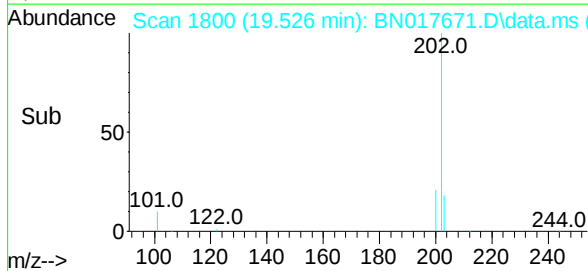
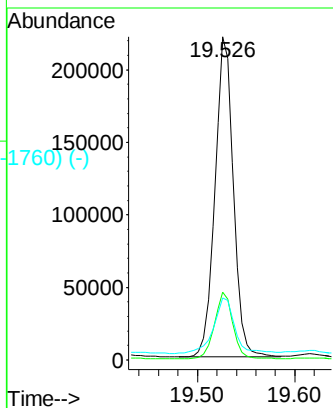
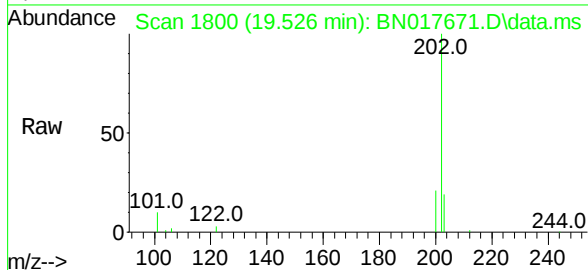
Pyrene
Concen: 0.88 ng
RT: 19.526 min Scan# 1805
Delta R.T. 0.000 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

Instrument :
BNA_N
Client SampleId :
SLAB-2

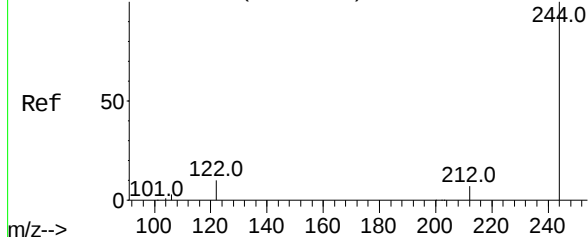
Tgt Ion:	202	Resp:	29130
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	20.0	14.0	21.0

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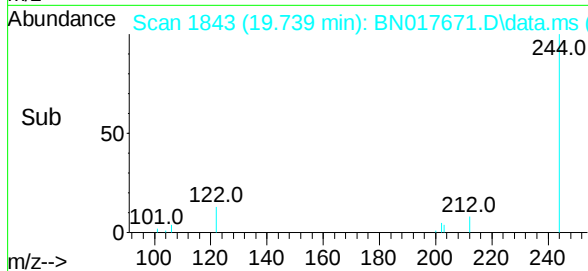
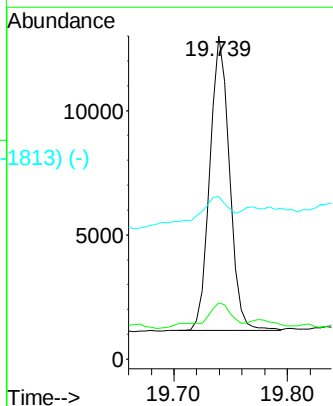
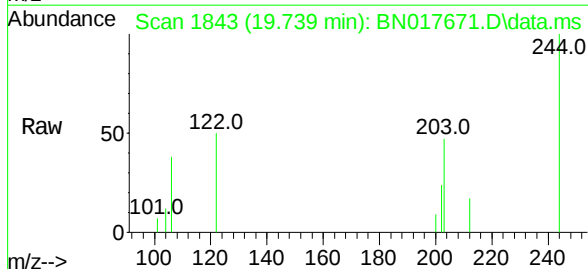


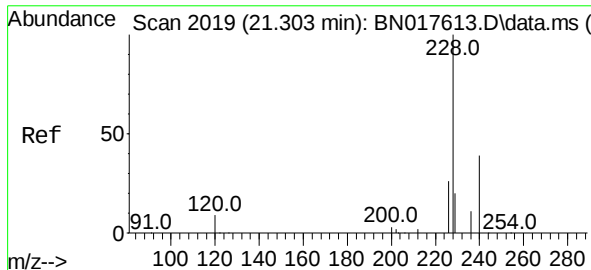
Abundance Scan 1848 (19.764 min): BN017613.D\data.ms (-1830) (-)



Terphenyl-d14
Concen: 0.06 ng
RT: 19.739 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

Tgt Ion:	244	Resp:	14250
Ion	Ratio	Lower	Upper
244	100		
212	17.5	5.7	8.5#
122	50.2	8.6	13.0#





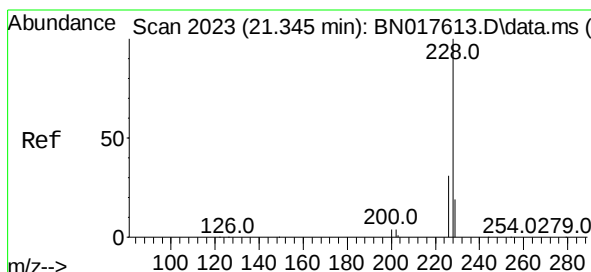
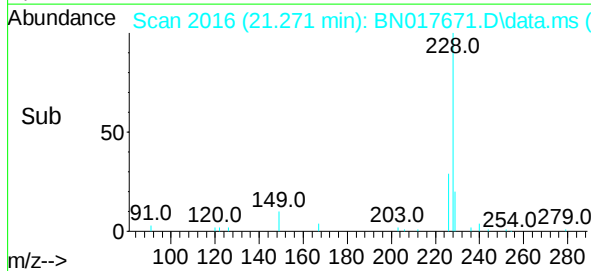
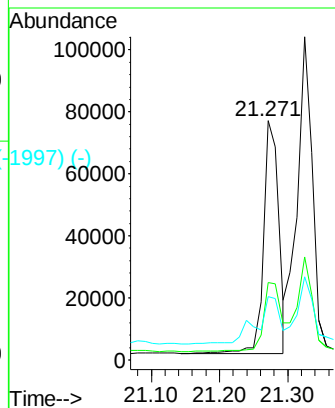
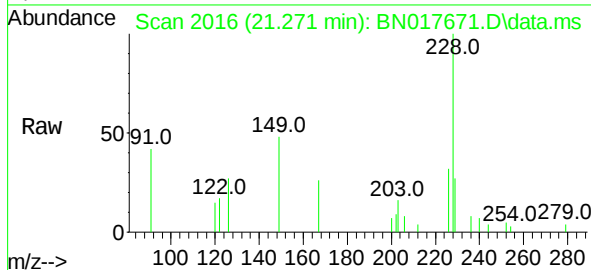
Benzo(a)anthracene
Concen: 0.37 ng
RT: 21.271 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

Instrument :
BNA_N
ClientSampleId :
SLAB-2

Tgt Ion:228 Resp: 11561
Ion Ratio Lower Upper
228 100
226 32.4 21.3 31.9
229 26.5 15.7 23.9

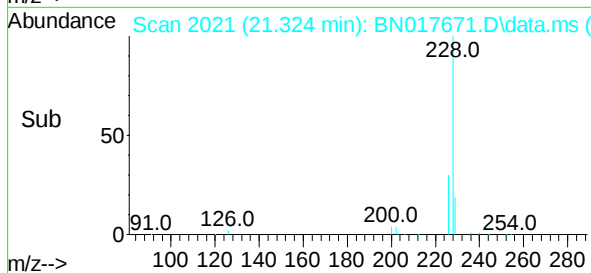
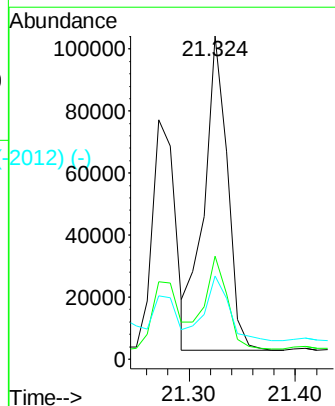
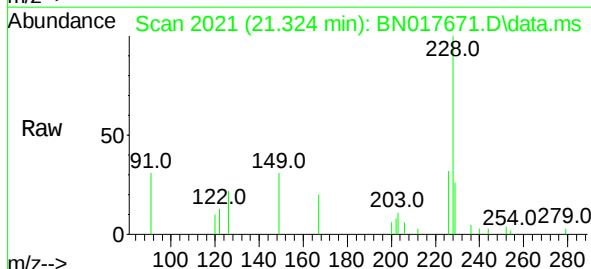
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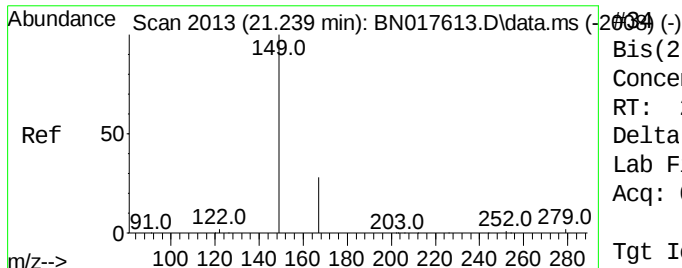
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



Chrysene
Concen: 0.46 ng
RT: 21.324 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BN017671.D
Acq: 02 Dec 2021 05:15

Tgt Ion:228 Resp: 156961
Ion Ratio Lower Upper
228 100
226 32.0 23.3 34.9
229 25.7 15.6 23.4#





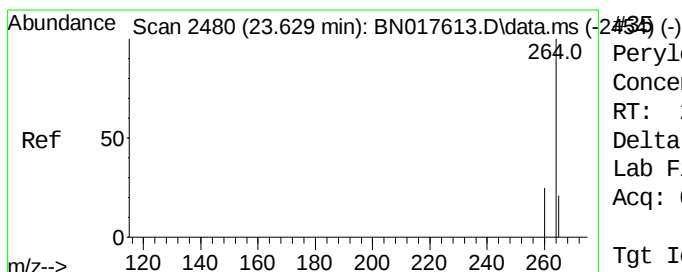
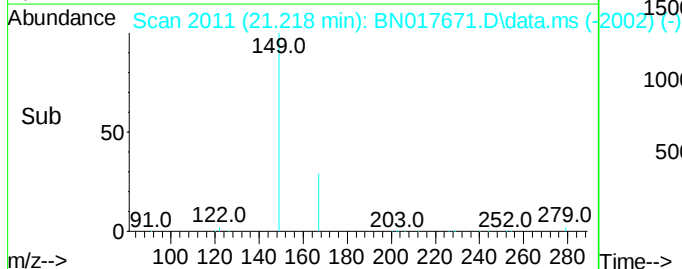
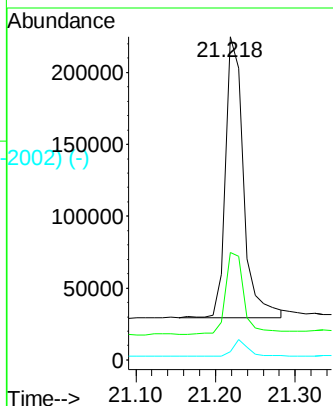
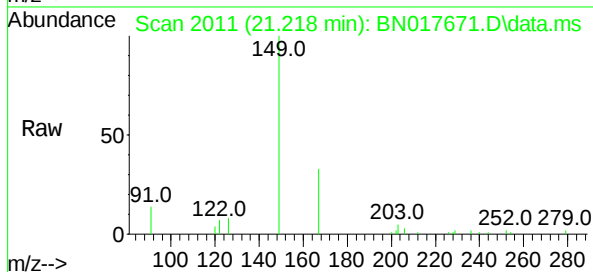
Bis(2-ethylhexyl)phthalate
 Concen: 4.15 ng
 RT: 21.218 min Scan# 2108
 Delta R.T. 0.000 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Instrument :
 BNA_N
 ClientSampleId :
 SLAB-2

Tgt Ion:	149	Resp:	30564
Ion	Ratio	Lower	Upper
149	100		
167	30.3	21.8	32.6
279	5.2	3.4	5.0

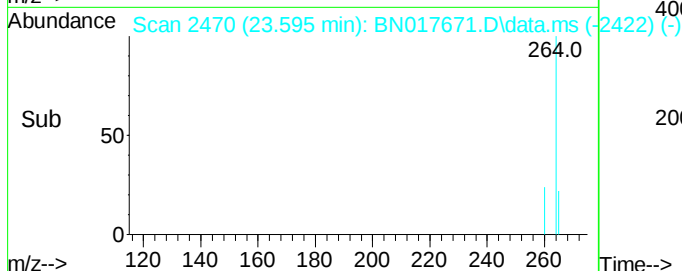
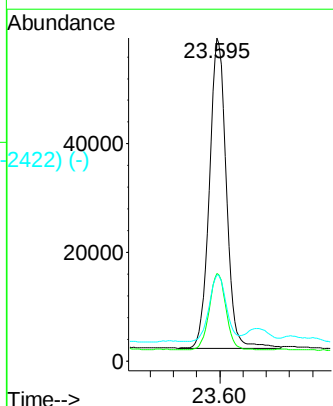
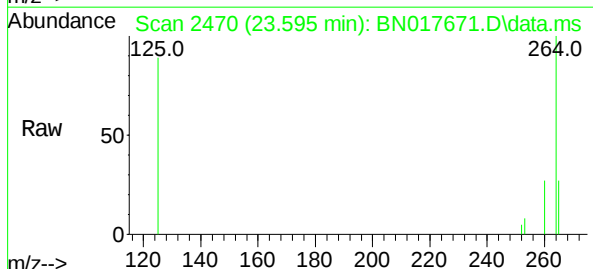
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Perylene-d12
 Concen: 0.40 ng
 RT: 23.595 min Scan# 2470
 Delta R.T. 0.014 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Tgt Ion:	264	Resp:	115333
Ion	Ratio	Lower	Upper
264	100		
260	27.2	19.4	29.2
265	26.7	18.6	28.0



Abundance Scan 3173 (26.001 min): BN017613.D\data.ms (-3130) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.24 ng

RT: 25.950 min Scan# 3158

Delta R.T. 0.010 min

Lab File: BN017671.D

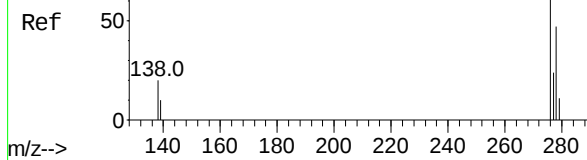
Acq: 02 Dec 2021 05:15

Instrument :

BNA_N

ClientSampleId :

SLAB-2



Tgt Ion:276 Resp: 8980

Ion Ratio Lower Upper

276 100

138 15.1 19.7 29.5

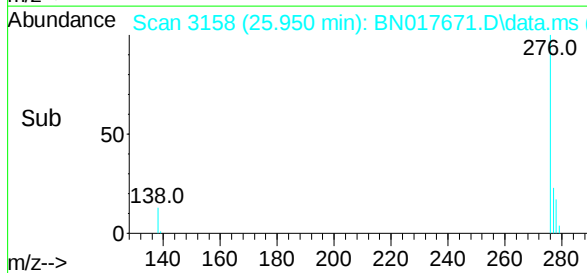
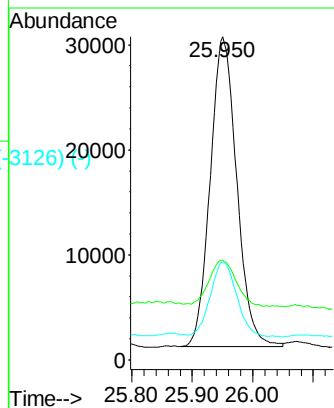
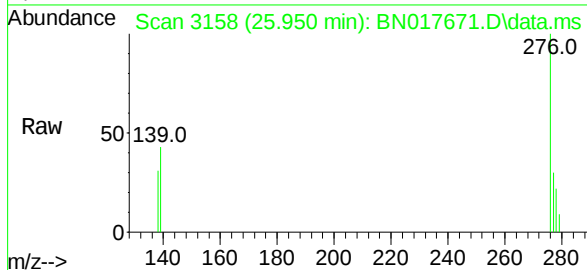
277 24.0 20.0 30.0

Manual Integrations

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Abundance Scan 2275 (22.928 min): BN017613.D\data.ms (-2207) (-)

Benzo(b)fluoranthene

Concen: 0.58 ng

RT: 22.901 min Scan# 2267

Delta R.T. 0.014 min

Lab File: BN017671.D

Acq: 02 Dec 2021 05:15

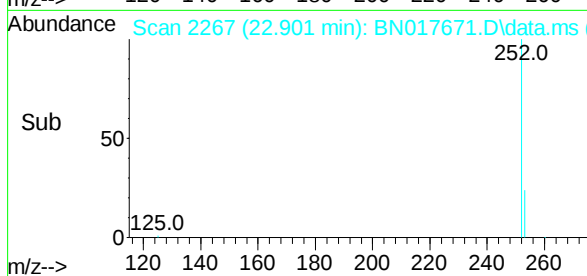
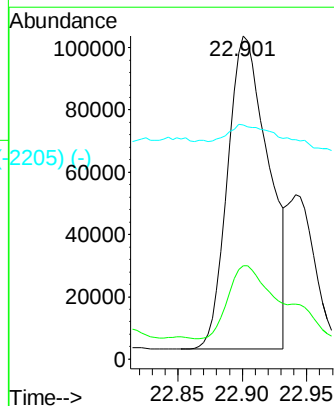
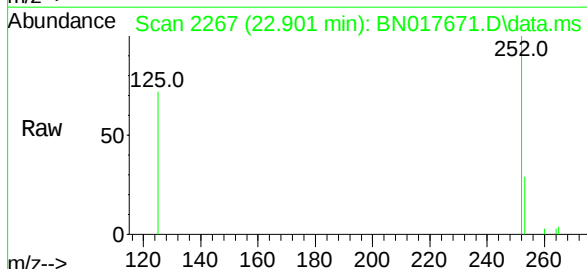
Tgt Ion:252 Resp: 221149

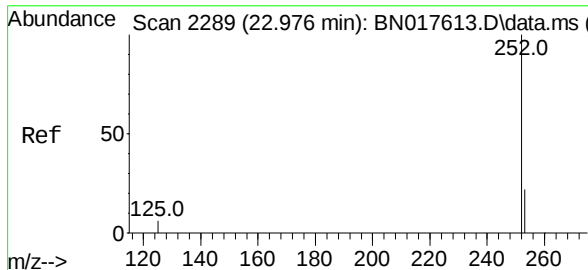
Ion Ratio Lower Upper

252 100

253 29.0 17.7 26.5#

125 72.5 7.8 11.8#





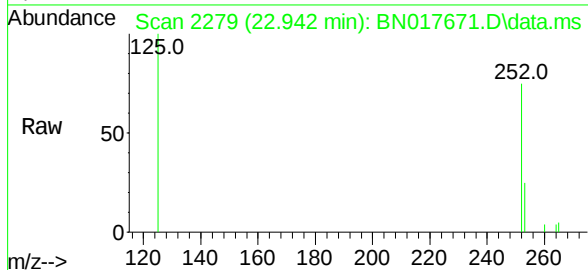
Scan 2289 (22.976 min): BN017613.D\data.ms (-2289) (-)
 Benzo(k)fluoranthene
 Concen: 0.20 ng m
 RT: 22.942 min Scan# 2289
 Delta R.T. 0.007 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Instrument :

BNA_N

ClientSampleId :

SLAB-2

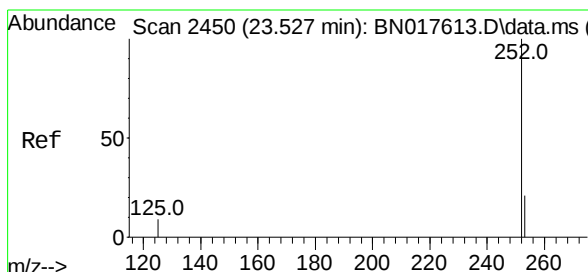
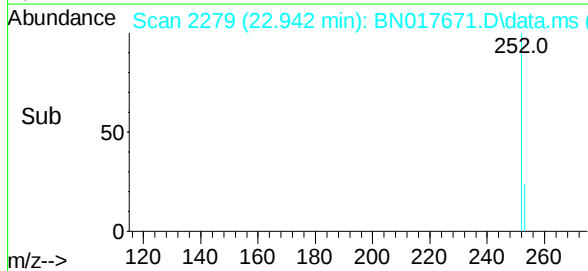
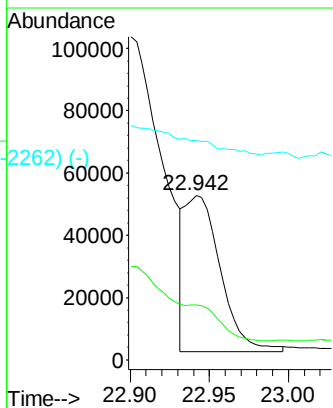


Tgt Ion:252 Resp: 7850
 Ion Ratio Lower Upper
 252 100
 253 33.4 17.7 26.5
 125 133.3 8.2 12.2

Manual Integrations

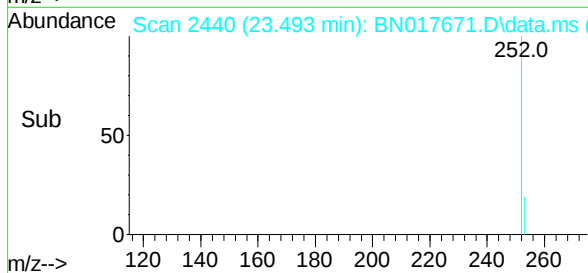
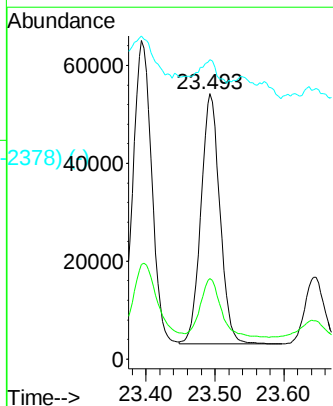
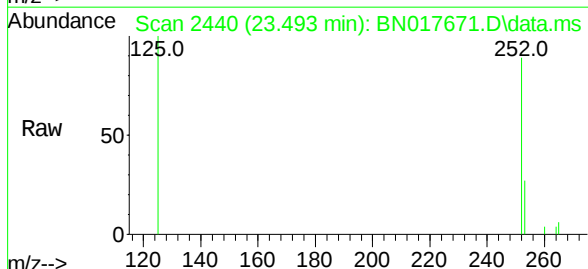
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Scan 2450 (23.527 min): BN017613.D\data.ms (-2450) (-)
 Benzo(a)pyrene
 Concen: 0.28 ng
 RT: 23.493 min Scan# 2440
 Delta R.T. 0.014 min
 Lab File: BN017671.D
 Acq: 02 Dec 2021 05:15

Tgt Ion:252 Resp: 97016
 Ion Ratio Lower Upper
 252 100
 253 30.4 17.9 26.9#
 125 113.0 9.2 13.8#



Abundance Scan 3179 (26.022 min): BN017613.D\data.ms (-3130) (-)

Dibenzo(a,h)anthracene

Concen: 0.07 ng

RT: 25.964 min Scan# 3162

Delta R.T. 0.010 min

Lab File: BN017671.D

Acq: 02 Dec 2021 05:15

Ref

138.0

278.0

m/z-->

Abundance Scan 3162 (25.964 min): BN017671.D\data.ms

Raw

139.0

276.0

m/z-->

Abundance Scan 3162 (25.964 min): BN017671.D\data.ms (-3130) (-)

Sub

138.0

276.0

m/z-->

Abundance

10000

25.964

5000

Time-->

Abundance Scan 3385 (26.727 min): BN017613.D\data.ms (-3306) (-)

Benzo(g,h,i)perylene

Concen: 0.28 ng

RT: 26.673 min Scan# 3369

Delta R.T. 0.017 min

Lab File: BN017671.D

Acq: 02 Dec 2021 05:15

Ref

138.0

276.0

m/z-->

Abundance Scan 3369 (26.673 min): BN017671.D\data.ms

Raw

139.0

276.0

m/z-->

Abundance Scan 3369 (26.673 min): BN017671.D\data.ms (-3306) (-)

Sub

138.0

276.0

m/z-->

Abundance

25000

26.673

20000

Time-->

Instrument :

BN017671.D

ClientSampleId :

SLAB-2

Manual Integrations

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Supervised By :mohammad ahmed 12/05/2021