

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012721\
 Data File : BN013517.D
 Acq On : 27 Jan 2021 21:55
 Operator : CG/JU
 Sample : M1099-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1C05

Manual Integrations
 APPROVED

mohammad
 1/28/2021 11:44:40 AM

Quant Time: Jan 28 01:34:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 23:35:53 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4346	0.40	ng/ul	0.00
2) Naphthalene-d8	10.33	136	16719	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	9885	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	20205m	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	19018	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	18496	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	11344	0.45	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	23946	0.45	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.38	128	4374	0.090	ng/ul#	93
5) 2-Methylnaphthalene	12.00	142	1298	0.042	ng/ul	96
7) Acenaphthylene	13.92	152	14823	0.364	ng/ul	99
8) Acenaphthene	14.26	153	4104	0.113	ng/ul	99
9) Fluorene	15.25	166	3561	0.089	ng/ul#	97
11) Pentachlorophenol	16.60	266	74	0.025	ng/ul#	89
12) Phenanthrene	16.99	178	24532	0.371	ng/ul	99
13) Anthracene	17.08	178	4822	0.089	ng/ul#	95
15) Fluoranthene	19.01	202	31998	0.443	ng/ul	99
17) Pyrene	19.38	202	63451	0.815	ng/ul	99
18) Benzo(a)anthracene	21.13	228	8744m	0.139	ng/ul	
19) Chrysene	21.18	228	11028	0.141	ng/ul	96
21) Benzo(b)fluoranthene	22.67	252	16737m	0.216	ng/ul	
22) Benzo(k)fluoranthene	22.71	252	6068m	0.073	ng/ul	
23) Benzo(a)pyrene	23.22	252	11697	0.178	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.47	276	9031	0.103	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.48	278	1941	0.027	ng/ul#	58
26) Benzo(g,h,i)perylene	26.13	276	13675	0.177	ng/ul	99

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

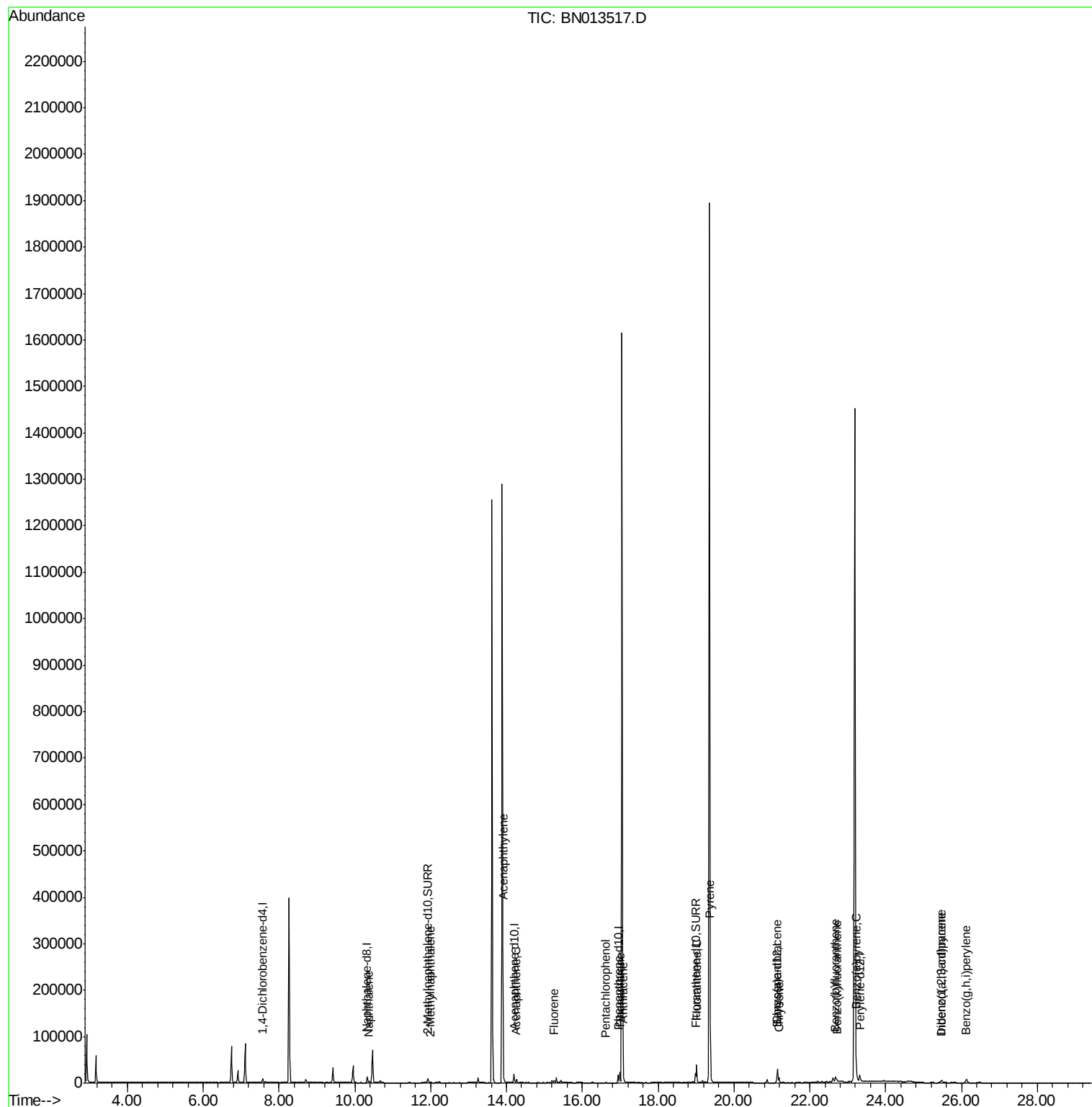
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012721\
Data File : BN013517.D
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Misc :
ALS Vial : 19 Sample Multiplier: 1

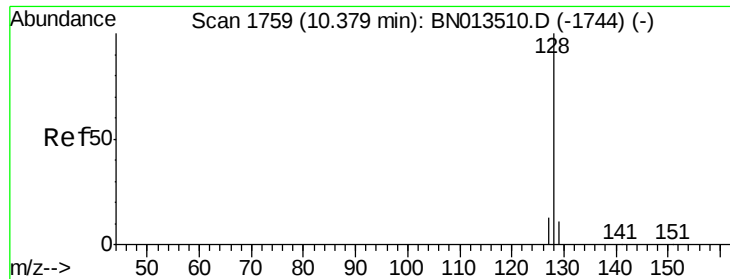
Instrument :
BNA_N
ClientSampleId :
F1C05

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN012721.M
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#3

Naphthalene

Concen: 0.090 ng/ul

RT: 10.38 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Instrument :

BNA_N

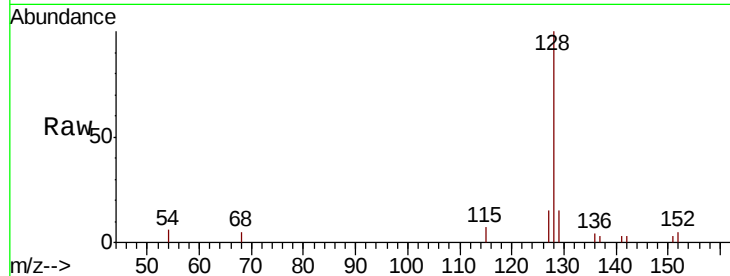
ClientSampled :

F1C05

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.5	9.0	13.6#
127	15.5	10.6	15.8

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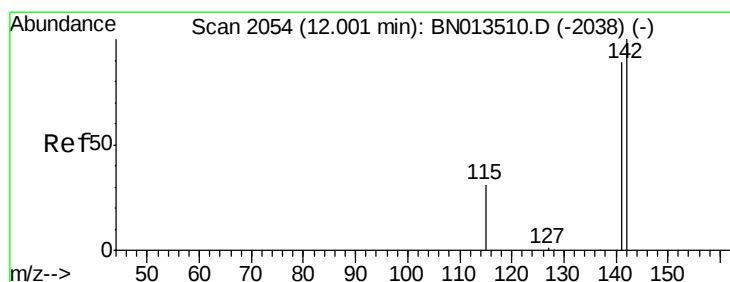
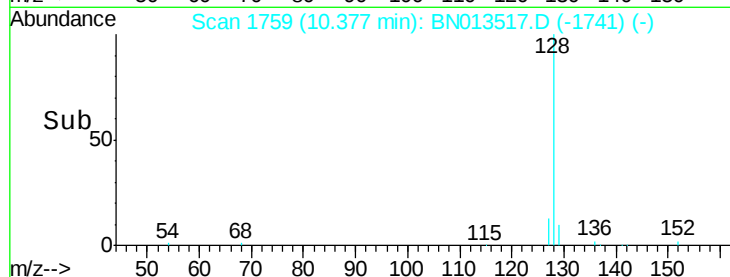
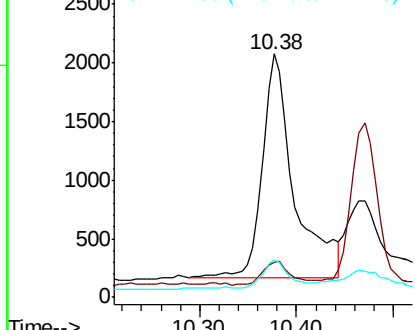


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.042 ng/ul

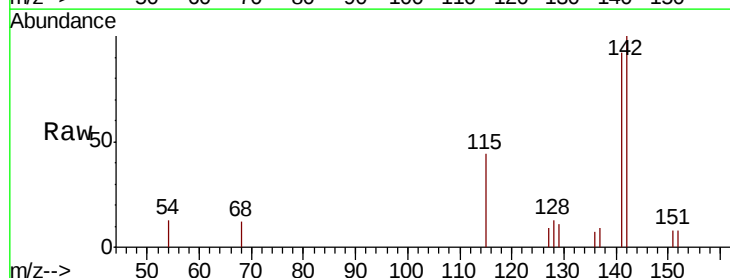
RT: 12.00 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

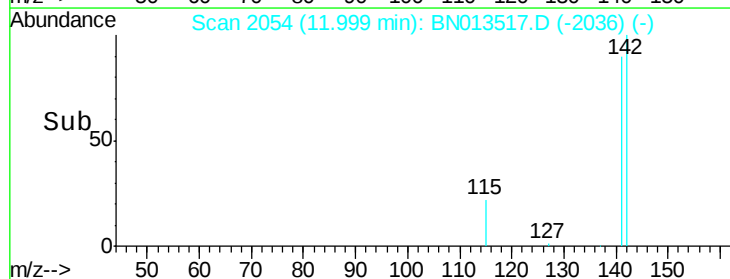
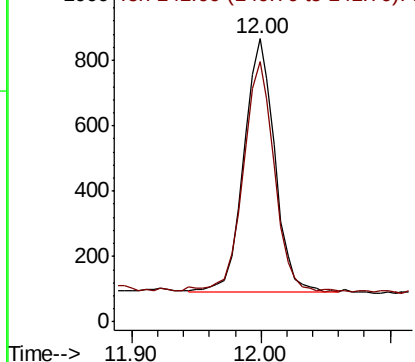
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.6	106.0

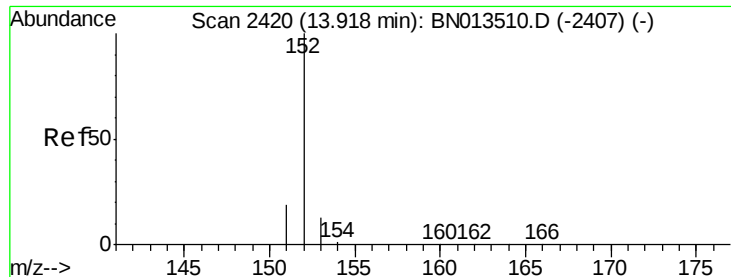


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.364 ng/ul

RT: 13.92 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Instrument :

BNA_N

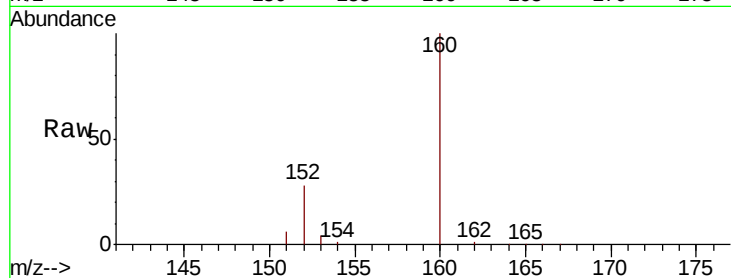
ClientSampleId :

F1C05

Tot Ion:	152	Resp:	14823
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.1	24.1
153	14.0	10.7	16.1

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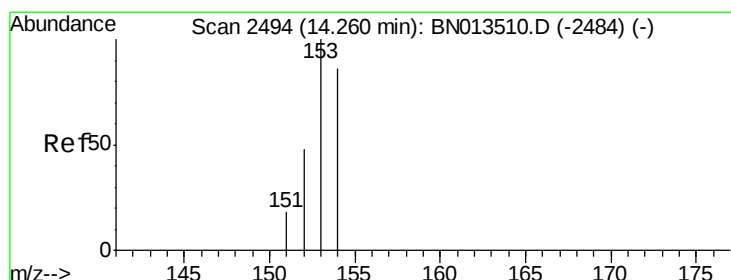
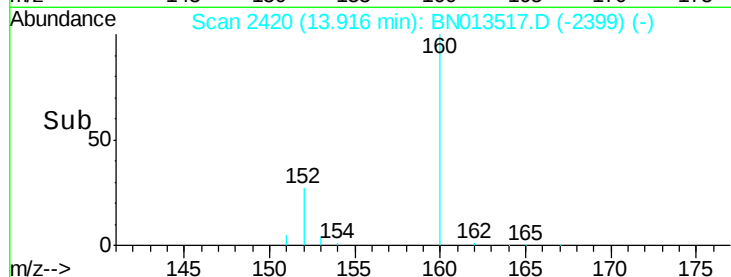
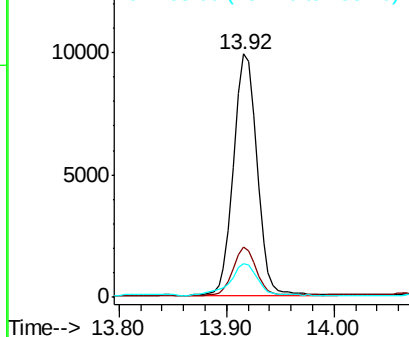


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.113 ng/ul

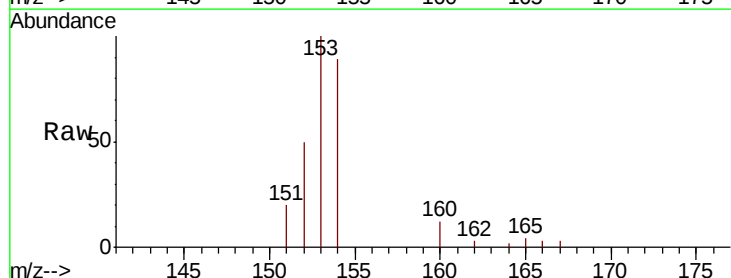
RT: 14.26 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Tgt Ion:	153	Resp:	4104
Ion Ratio	Lower	Upper	
153	100		
152	49.8	39.5	59.3
154	88.8	70.6	105.8

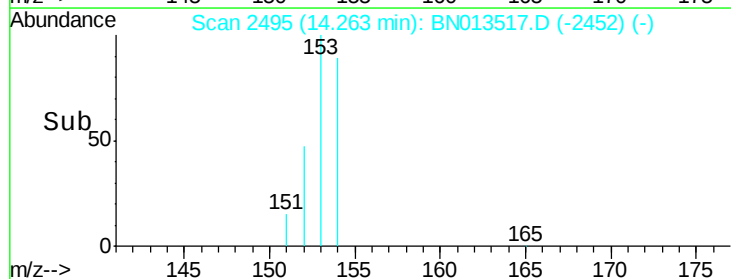
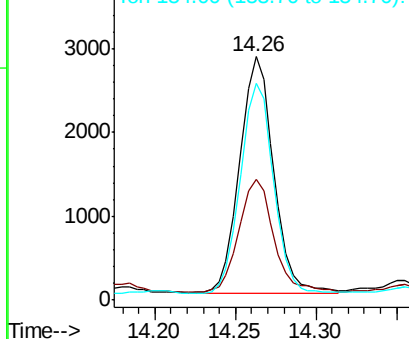


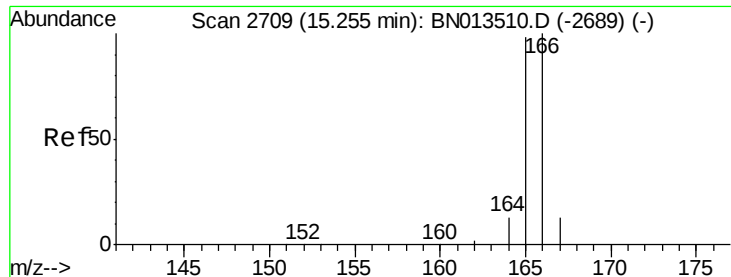
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





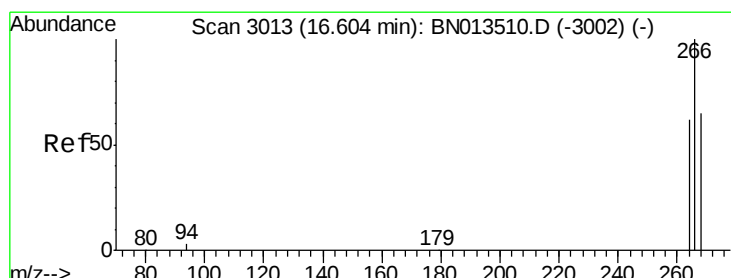
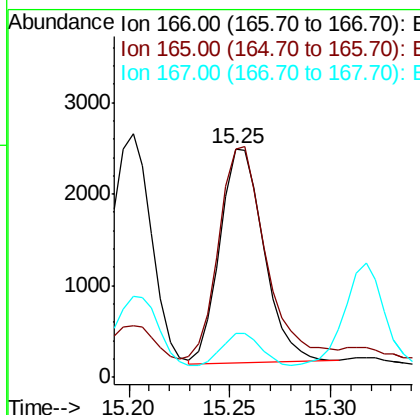
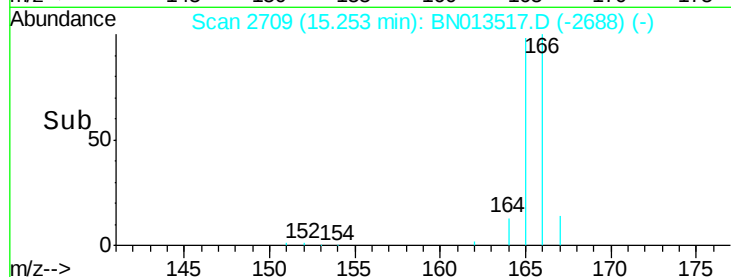
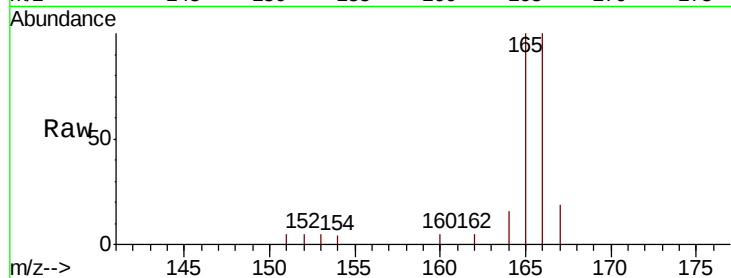
#9
Fluorene
 Concen: 0.089 ng/ul
 RT: 15.25 min Scan# 2709
 Delta R.T. -0.00 min
 Lab File: BN013517.D
 Acq: 27 Jan 2021 21:55

Instrument :
 BNA_N
 ClientSampleId :
 F1C05

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.7	118.1
167	18.9	11.3	16.9#

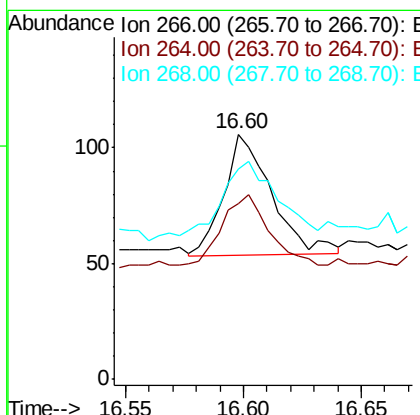
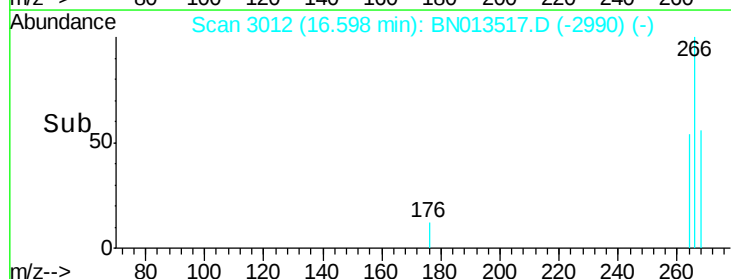
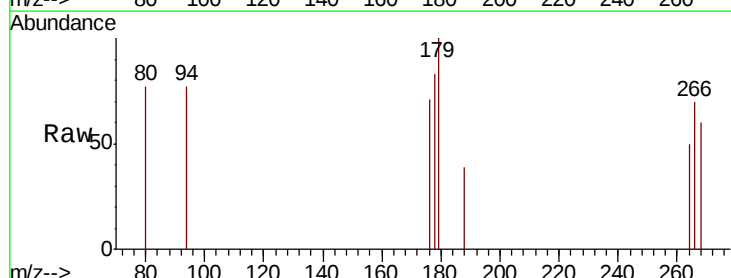
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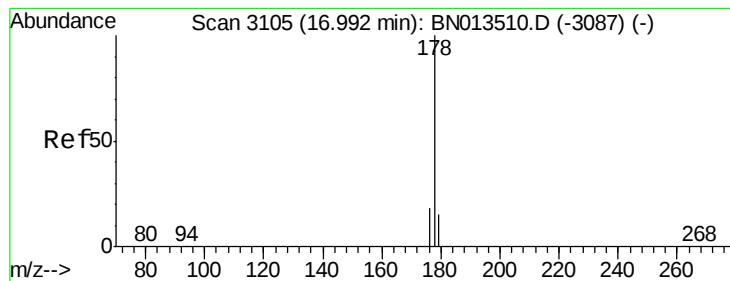
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#11
Pentachlorophenol
 Concen: 0.025 ng/ul
 RT: 16.60 min Scan# 3012
 Delta R.T. -0.01 min
 Lab File: BN013517.D
 Acq: 27 Jan 2021 21:55

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.8	49.8	74.6
268	81.1	52.2	78.4#





#12

Phenanthrene

Concen: 0.371 ng/ul

RT: 16.99 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Instrument :

BNA_N

ClientSampleId :

F1C05

Tot Ion:178 Resp: 24532

Ion Ratio Lower Upper

178 100

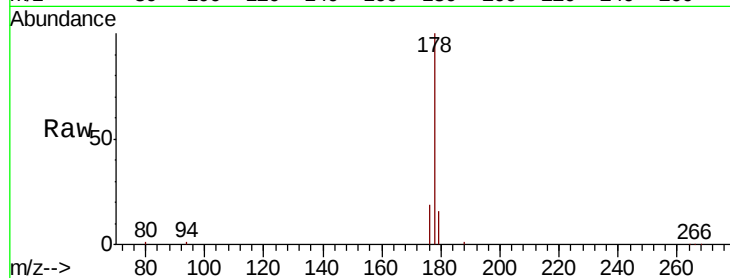
179 16.1 12.5 18.7

176 19.1 15.6 23.4

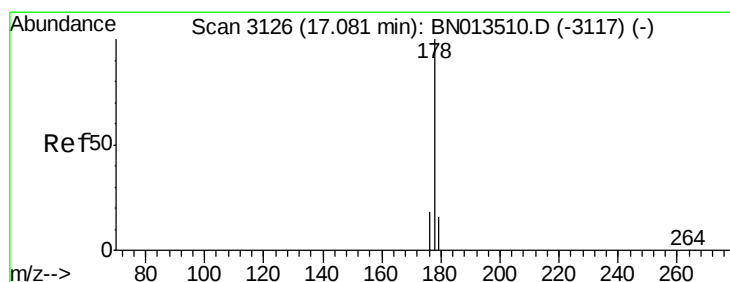
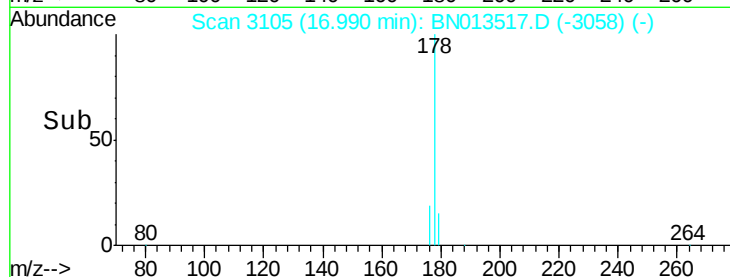
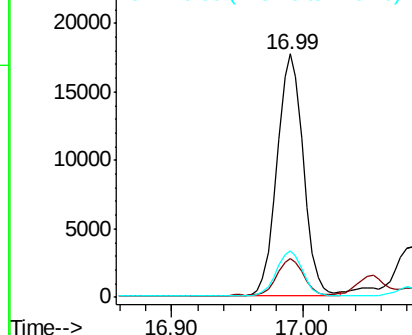
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.089 ng/ul

RT: 17.08 min Scan# 3127

Delta R.T. 0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Tgt Ion:178 Resp: 4822

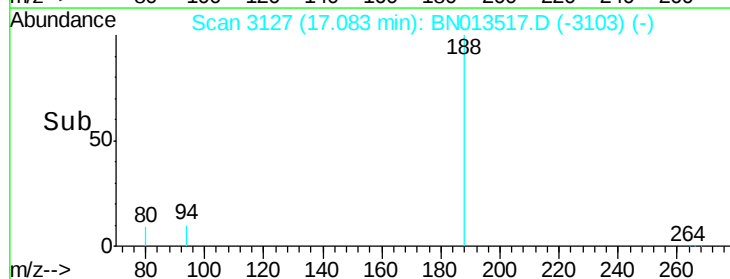
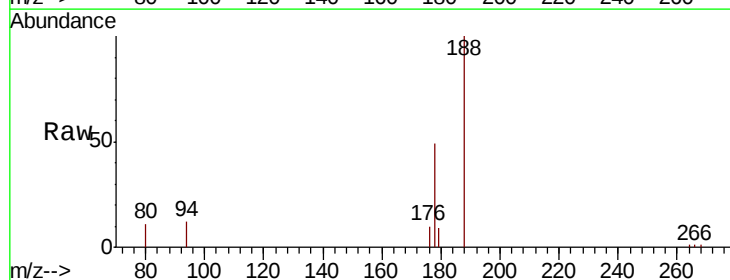
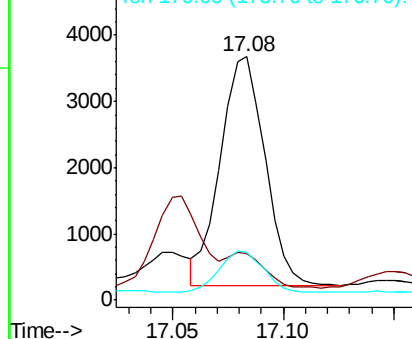
Ion Ratio Lower Upper

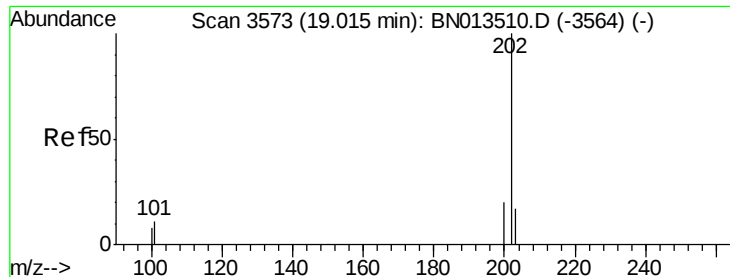
178 100

179 19.1 12.6 19.0#

176 19.9 15.0 22.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.443 ng/ul

RT: 19.01 min Scan# 3573

Delta R.T. -0.01 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Instrument :

BNA_N

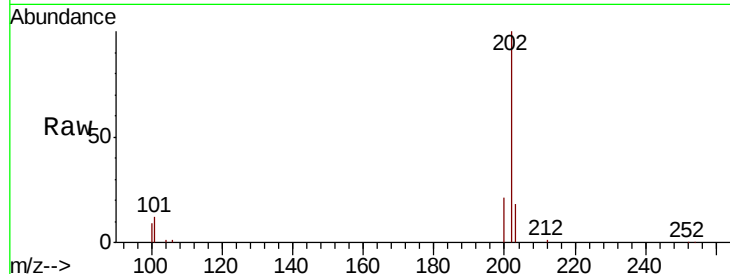
ClientSampleId :

F1C05

Tot Ion:	202	Resp:	31998
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	31.6
100	9.0	0.0	28.5

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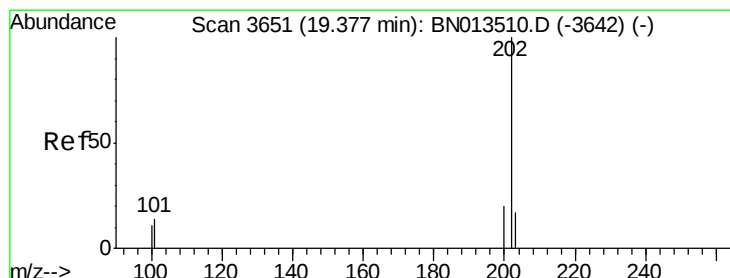
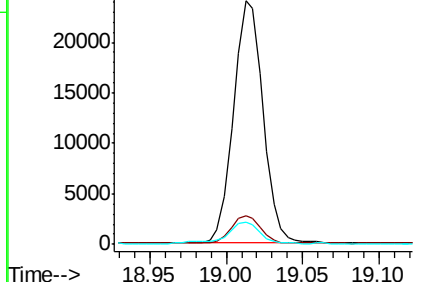
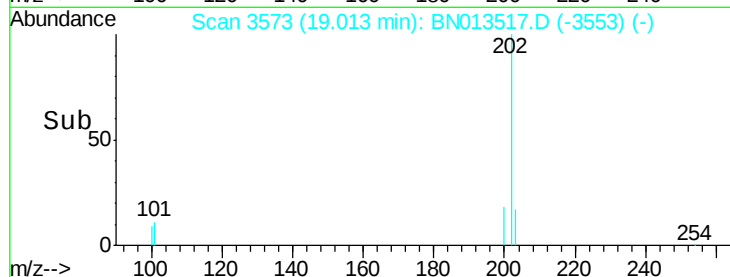
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.815 ng/ul

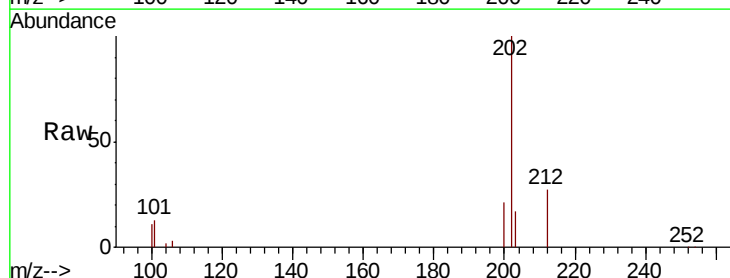
RT: 19.38 min Scan# 3652

Delta R.T. -0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

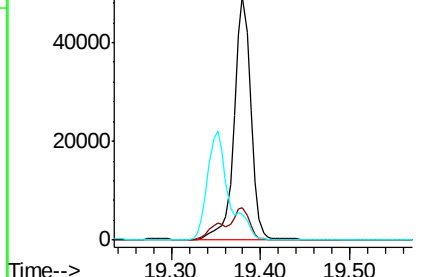
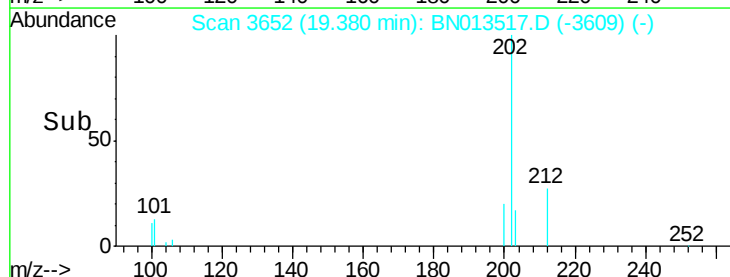
Tgt Ion:	202	Resp:	63451
Ion Ratio	Lower	Upper	
202	100		
101	13.4	11.2	16.8
100	10.9	9.0	13.4

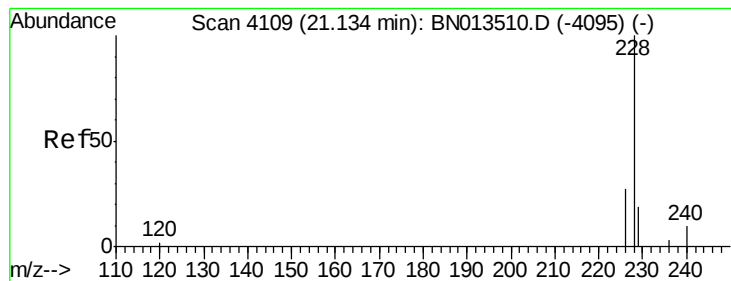


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.139 ng/ul m

RT: 21.13 min Scan# 4109

Delta R.T. -0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Instrument :

BNA_N

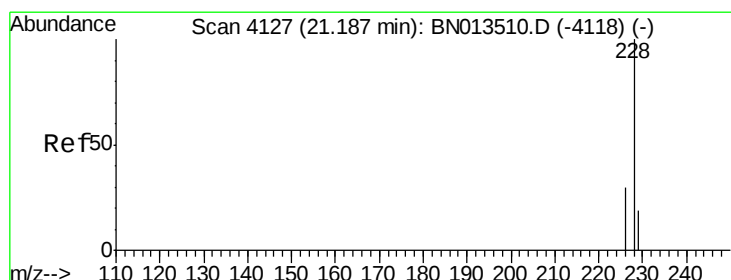
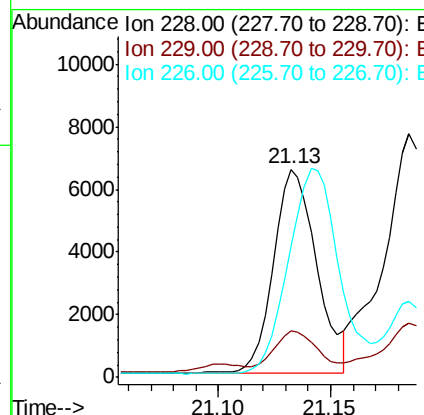
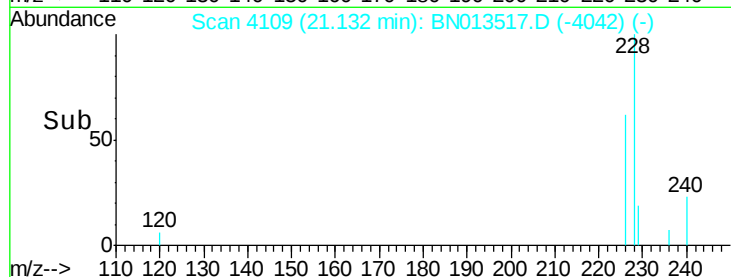
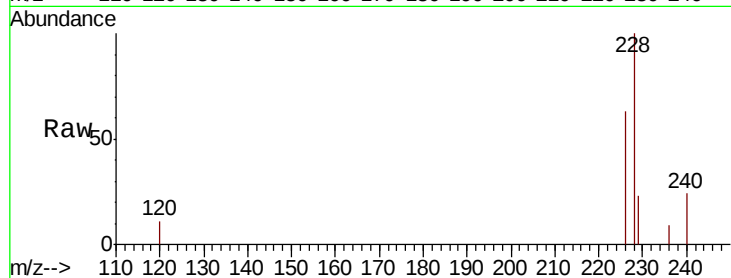
ClientSampleId :

F1C05

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.6	15.6	23.4
226	63.3	21.9	32.9

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#19

Chrysene

Concen: 0.141 ng/ul

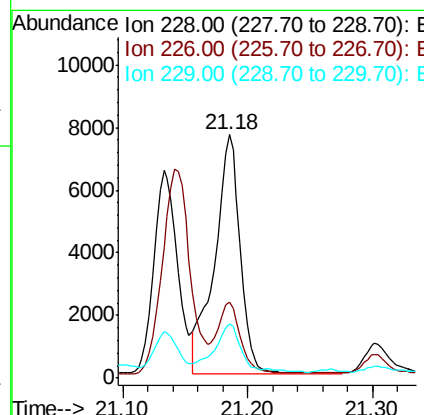
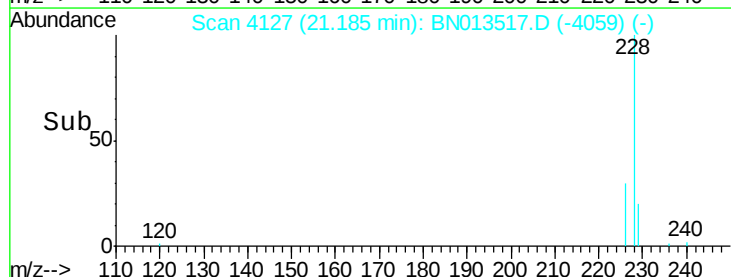
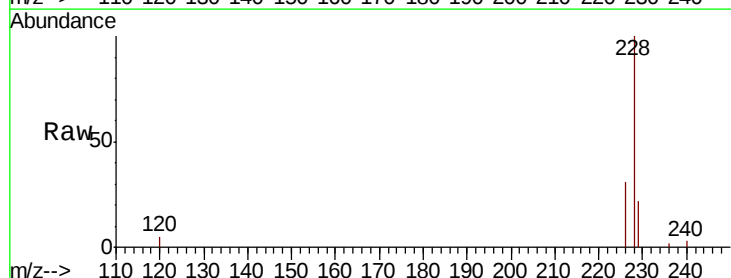
RT: 21.18 min Scan# 4127

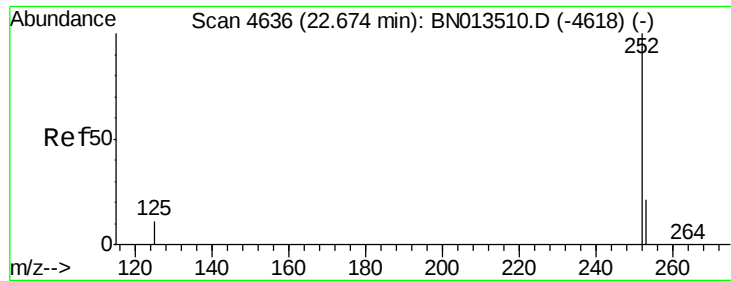
Delta R.T. -0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	22.4	15.8	23.8





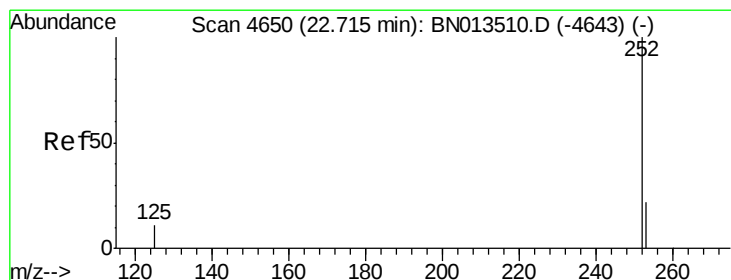
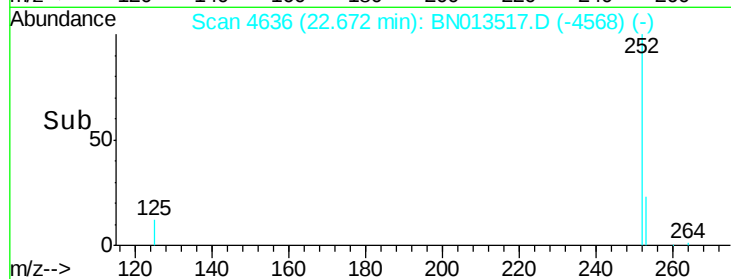
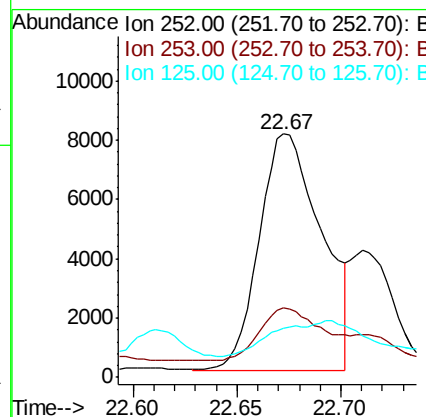
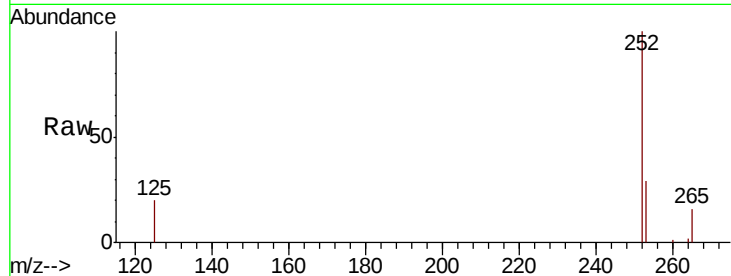
#21
Benzo(b)fluoranthene
Concen: 0.216 ng/ul m
RT: 22.67 min Scan# 4636
Delta R.T. -0.00 min
Lab File: BN013517.D
Acq: 27 Jan 2021 21:55

Instrument :
BNA_N
ClientSampleId :
F1C05

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	0.0	47.4
125	20.0	0.0	26.8

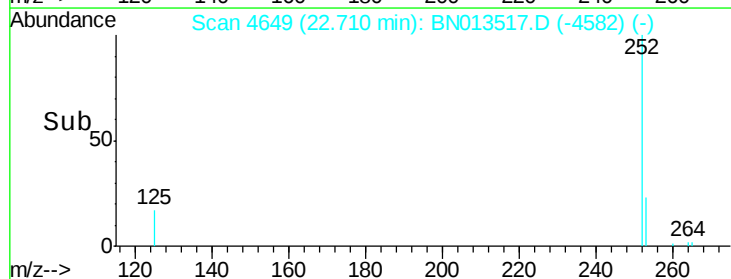
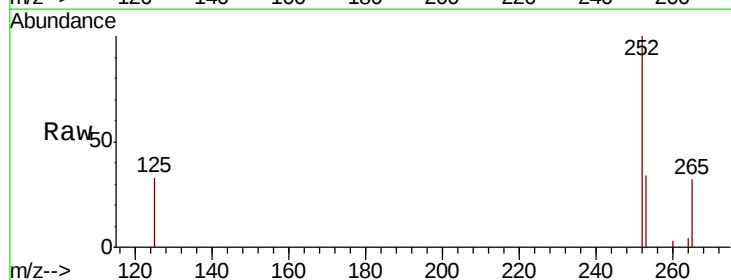
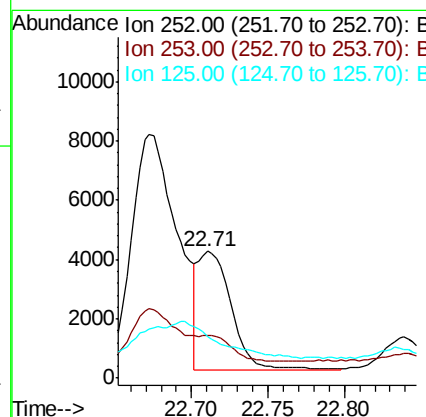
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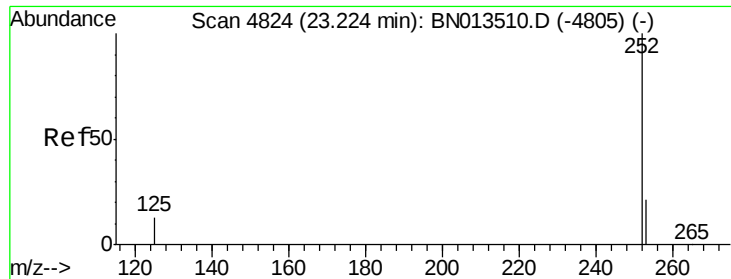
mohammad
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#22
Benzo(k)fluoranthene
Concen: 0.073 ng/ul m
RT: 22.71 min Scan# 4649
Delta R.T. -0.00 min
Lab File: BN013517.D
Acq: 27 Jan 2021 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	19.2	28.8#
125	32.8	11.4	17.2#





#23

Benzo(a)pyrene

Concen: 0.178 ng/u1

RT: 23.22 min Scan# 4825

Delta R.T. -0.00 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Instrument :

BNA_N

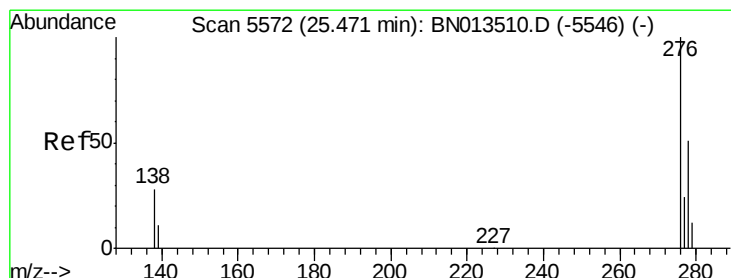
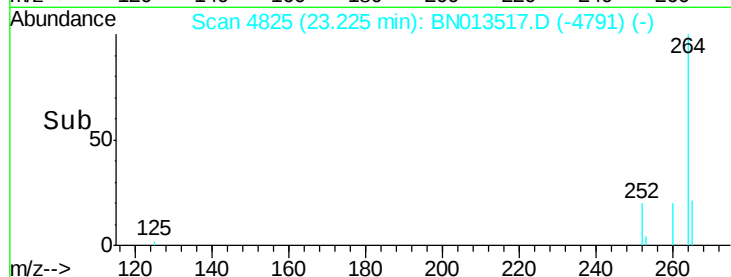
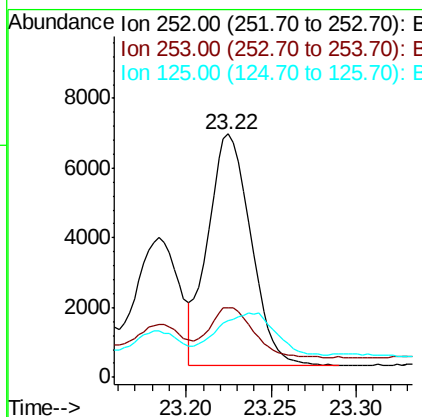
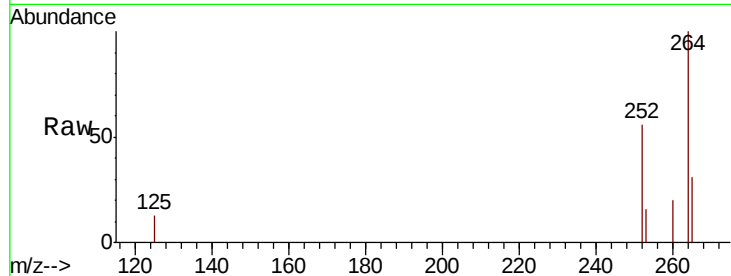
ClientSampleId :

F1C05

Tot Ion:	252	Resp:	11697
Ion Ratio	Lower	Upper	
252	100		
253	28.4	20.1	30.1
125	23.3	13.1	19.7#

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.103 ng/u1

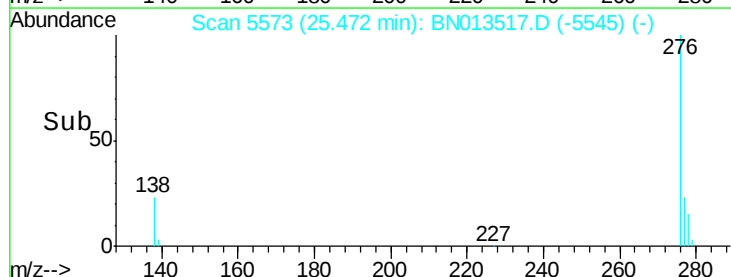
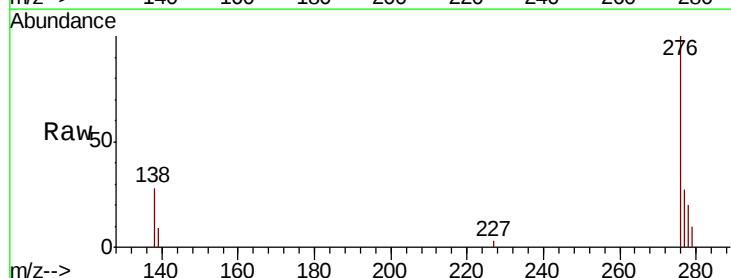
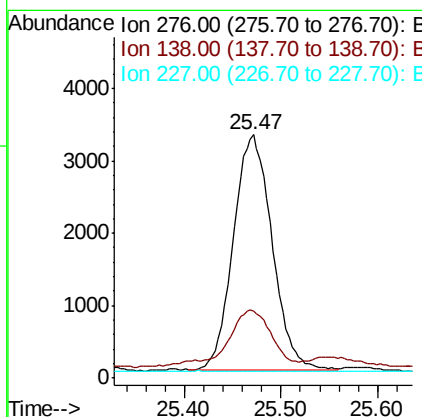
RT: 25.47 min Scan# 5573

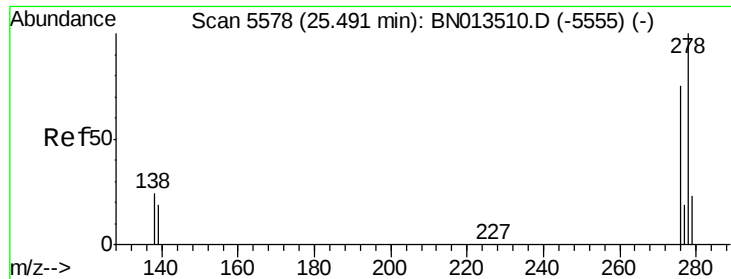
Delta R.T. -0.01 min

Lab File: BN013517.D

Acq: 27 Jan 2021 21:55

Tgt Ion:	276	Resp:	9031
Ion Ratio	Lower	Upper	
276	100		
138	25.4	0.0	0.0#
227	0.0	0.0	0.0#





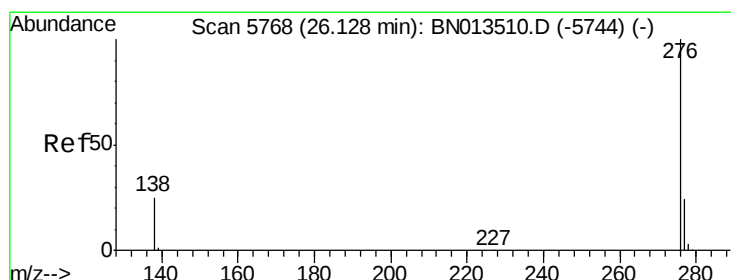
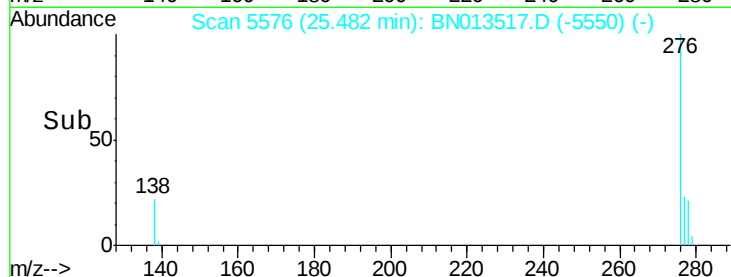
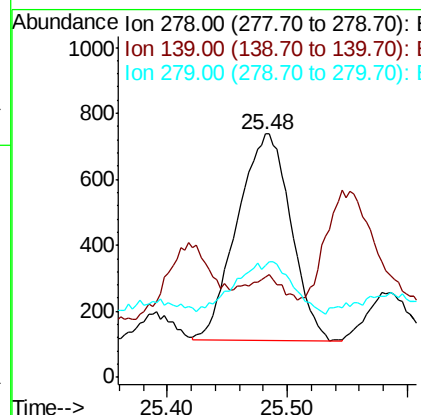
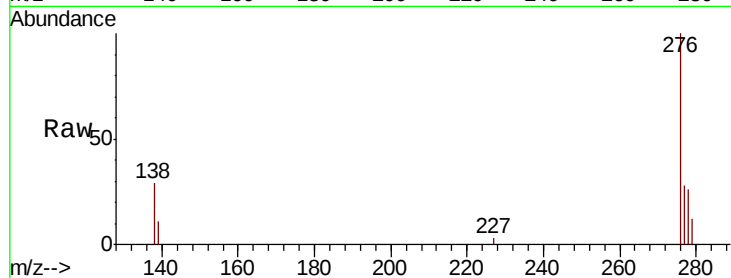
#25
Dibenzo(a,h)anthracene
Concen: 0.027 ng/ul
RT: 25.48 min Scan# 5576
Delta R.T. -0.01 min
Lab File: BN013517.D
Acq: 27 Jan 2021 21:55

Instrument :
BNA_N
ClientSampleId :
F1C05

Tot Ion	Ratio	Lower	Upper
278	100		
139	41.1	16.5	24.7#
279	45.8	20.4	30.6#

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#26
Benzo(g,h,i)perylene
Concen: 0.177 ng/ul
RT: 26.13 min Scan# 5769
Delta R.T. -0.00 min
Lab File: BN013517.D
Acq: 27 Jan 2021 21:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.0	31.4
277	25.1	19.5	29.3

