

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012721\
 Data File : BN013506.D
 Acq On : 27 Jan 2021 14:10
 Operator : CG/JU
 Sample : M1099-20
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1C16

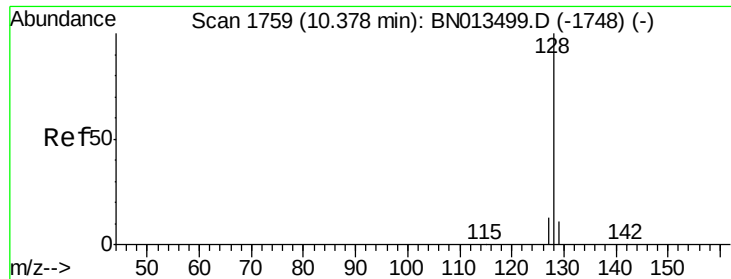
Manual Integrations
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mohammad
 1/28/2021 11:44:06 AM

Quant Time: Jan 27 14:41:06 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 11:55:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4379	0.40	ng/ul	0.00
2) Naphthalene-d8	10.33	136	16867	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	10235	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	20926m	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	19348	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	18508	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	11367	0.45	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	24323	0.44	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.38	128	13217	0.271	ng/ul	98
5) 2-Methylnaphthalene	12.00	142	8340	0.269	ng/ul	100
7) Acenaphthylene	13.92	152	28086	0.666	ng/ul	99
8) Acenaphthene	14.26	153	8839	0.235	ng/ul	99
9) Fluorene	15.25	166	9953	0.240	ng/ul#	98
12) Phenanthrene	16.99	178	44588	0.651	ng/ul	99
13) Anthracene	17.08	178	11700	0.208	ng/ul	97
15) Fluoranthene	19.01	202	54992	0.734	ng/ul	99
17) Pyrene	19.38	202	102327	1.292	ng/ul	99
18) Benzo(a)anthracene	21.14	228	7397	0.116	ng/ul#	1
19) Chrysene	21.19	228	10310	0.129	ng/ul#	91
21) Benzo(b)fluoranthene	22.67	252	11507m	0.148	ng/ul	
22) Benzo(k)fluoranthene	22.71	252	4572m	0.055	ng/ul	
23) Benzo(a)pyrene	23.23	252	8810	0.134	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.47	276	7509	0.086	ng/ul#	100
26) Benzo(a,h,i)perylene	26.13	276	13909	0.179	ng/ul	97

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



#3

Naphthalene

Concen: 0.271 ng/ul

RT: 10.38 min Scan# 1759

Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

Instrument :

BNA_N

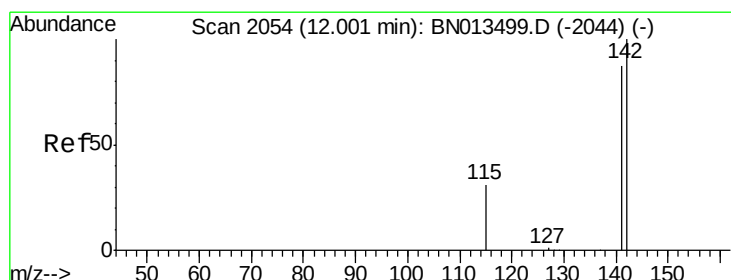
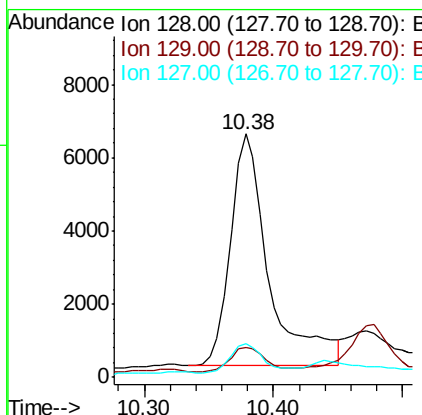
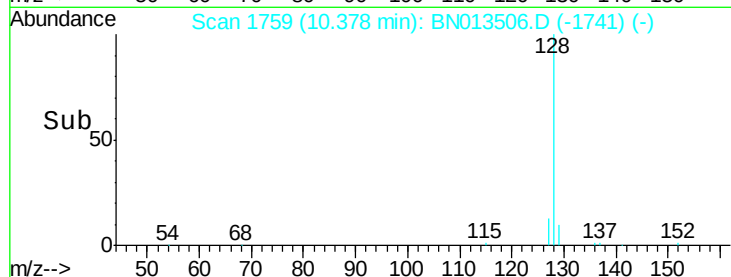
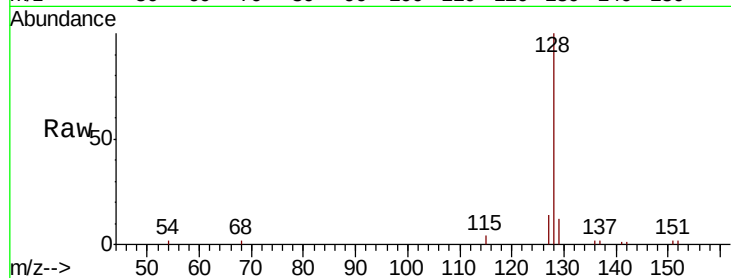
ClientSampleId :

F1C16

Tot Ion:128	Resp:	13217
Ion Ratio	Lower	Upper
128	100	
129	12.4	9.0 13.6
127	13.9	10.6 15.8

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#5

2-Methylnaphthalene

Concen: 0.269 ng/ul

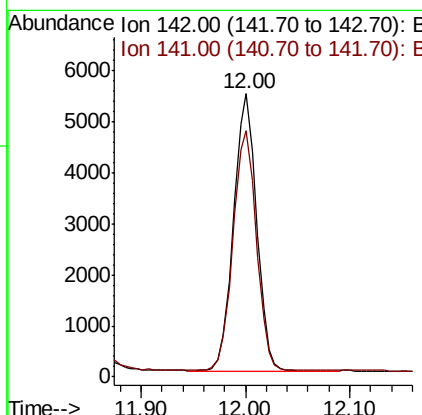
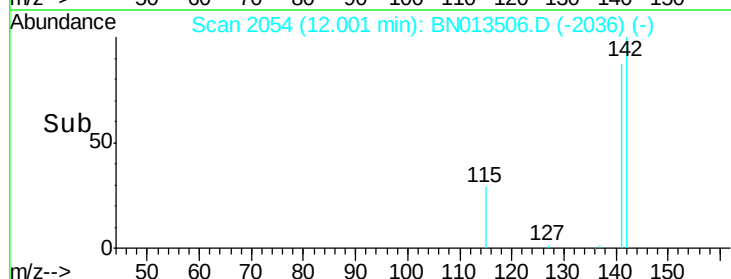
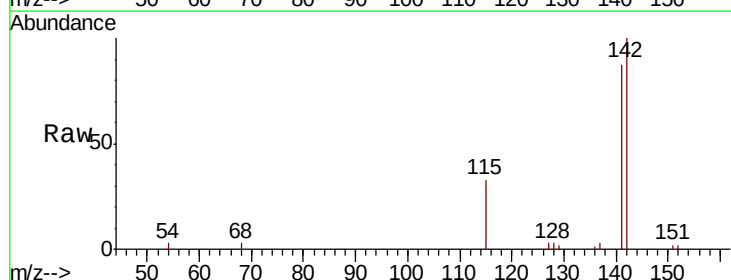
RT: 12.00 min Scan# 2054

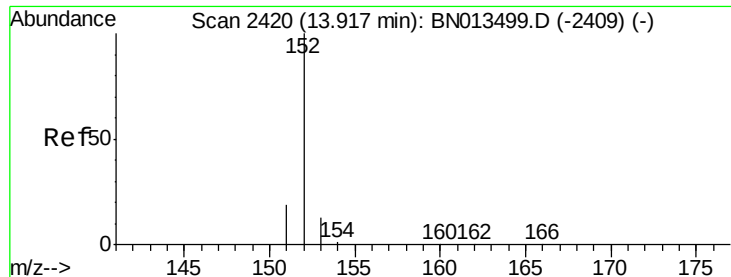
Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

Tgt Ion:142	Resp:	8340
Ion Ratio	Lower	Upper
142	100	
141	87.9	70.6 106.0





#7

Acenaphthylene

Concen: 0.666 ng/ul

RT: 13.92 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

Instrument :

BNA_N

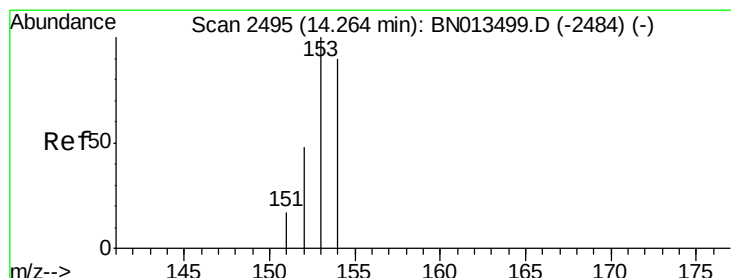
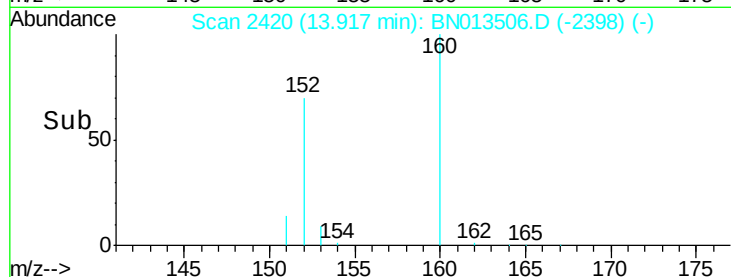
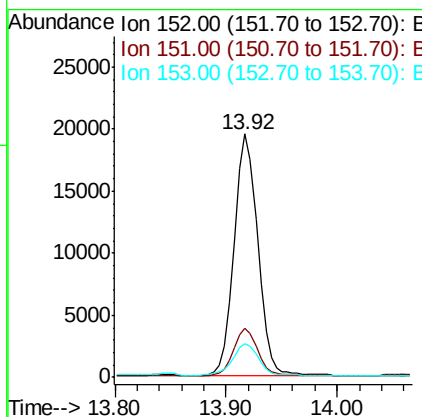
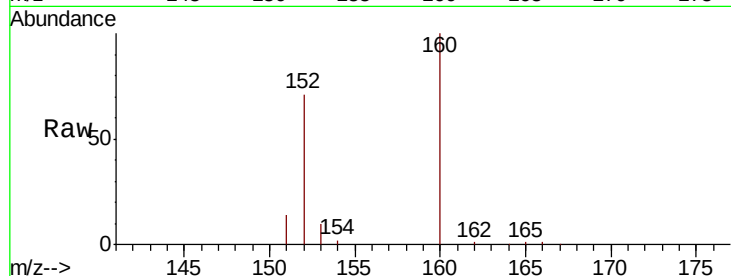
ClientSampled :

F1C16

Tot Ion:	152	Resp:	28086
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.1	24.1
153	13.9	10.7	16.1

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#8

Acenaphthene

Concen: 0.235 ng/ul

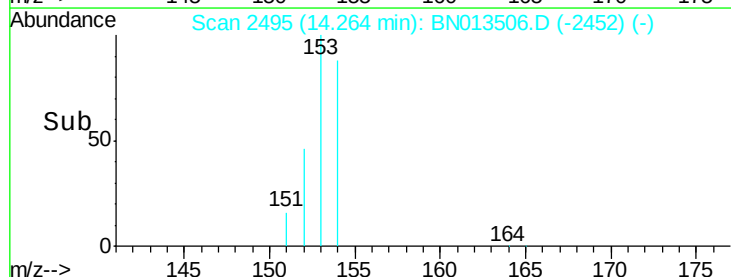
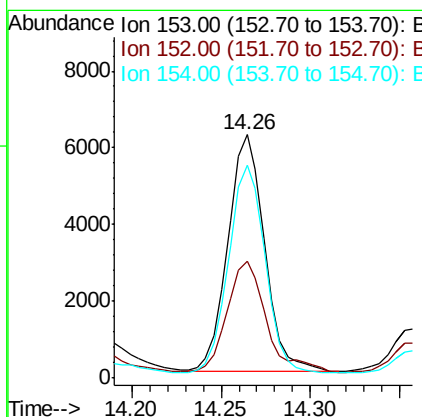
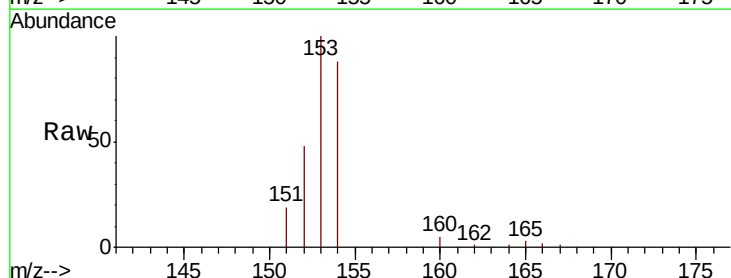
RT: 14.26 min Scan# 2495

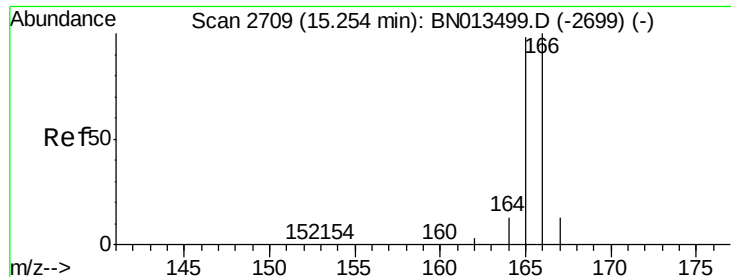
Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

Tgt Ion:	153	Resp:	8839
Ion Ratio	Lower	Upper	
153	100		
152	48.0	39.5	59.3
154	87.7	70.6	105.8





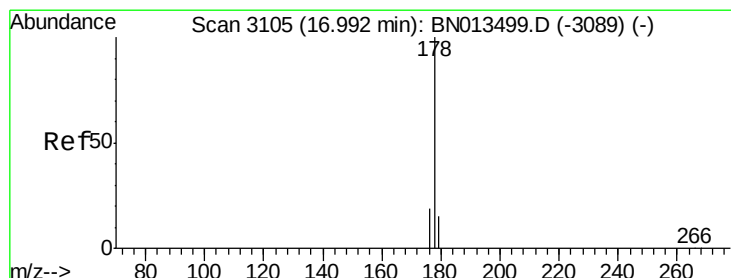
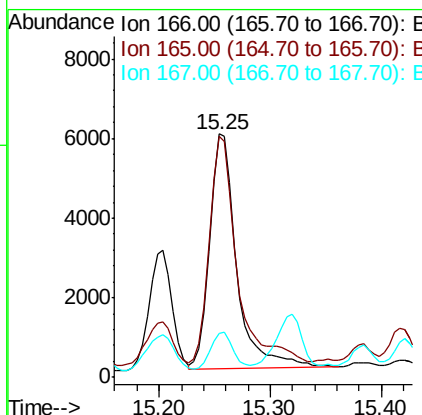
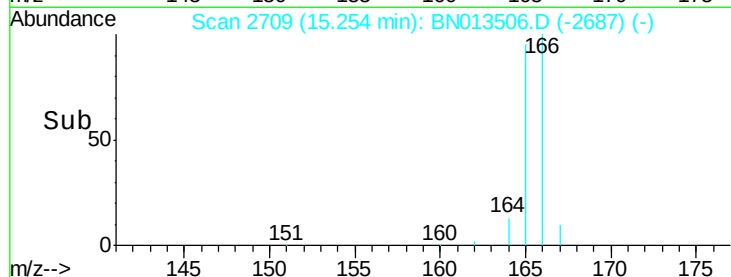
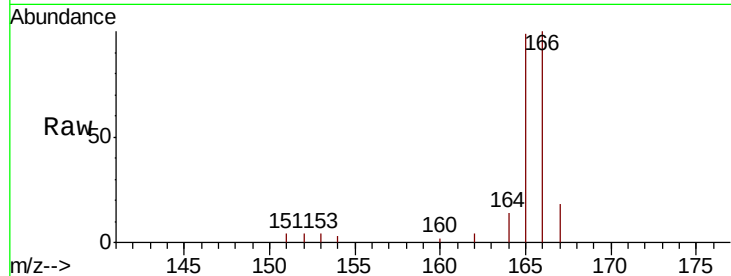
#9
Fluorene
 Concen: 0.240 ng/ul
 RT: 15.25 min Scan# 2709
 Delta R.T. 0.00 min
 Lab File: BN013506.D
 Acq: 27 Jan 2021 14:10

Instrument :
 BNA_N
 ClientSampleId :
 F1C16

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.7	118.1
167	18.2	11.3	16.9#

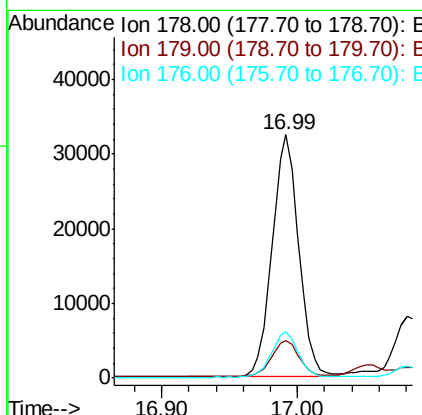
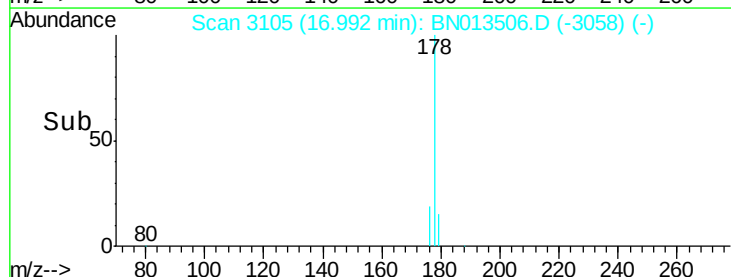
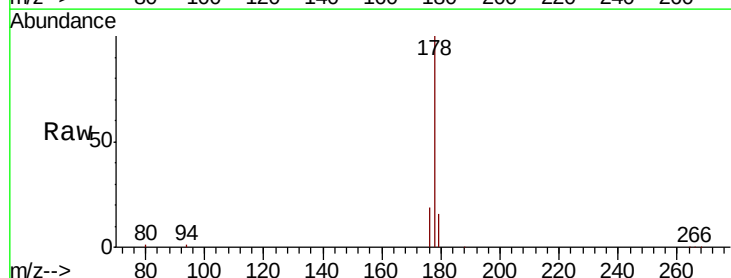
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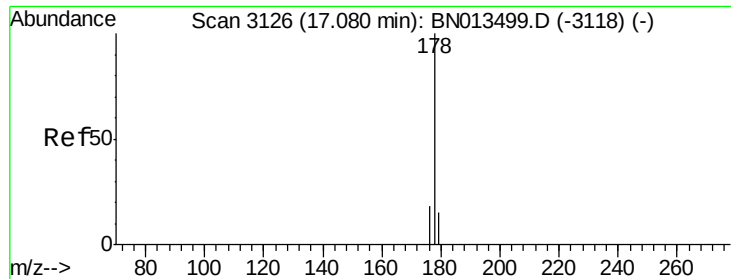
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#12
Phenanthrene
 Concen: 0.651 ng/ul
 RT: 16.99 min Scan# 3105
 Delta R.T. 0.00 min
 Lab File: BN013506.D
 Acq: 27 Jan 2021 14:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	18.9	15.6	23.4





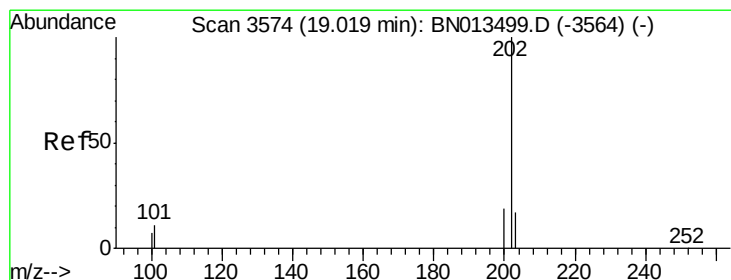
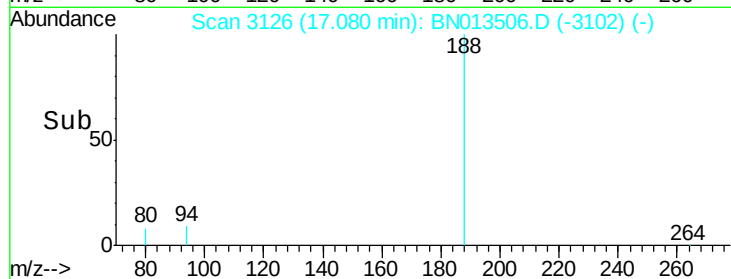
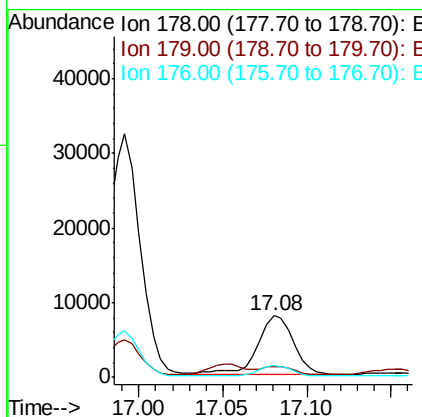
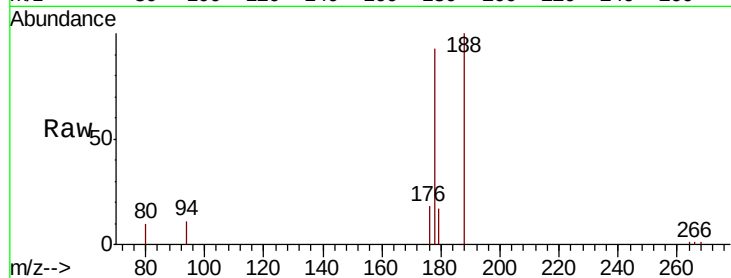
#13
 Anthracene
 Concen: 0.208 ng/ul
 RT: 17.08 min Scan# 3126
 Delta R.T. 0.00 min
 Lab File: BN013506.D
 Acq: 27 Jan 2021 14:10

Instrument :
 BNA_N
 ClientSampled :
 F1C16

Tot Ion:178 Resp: 11700
 Ion Ratio Lower Upper
 178 100
 179 18.2 12.6 19.0
 176 19.4 15.0 22.4

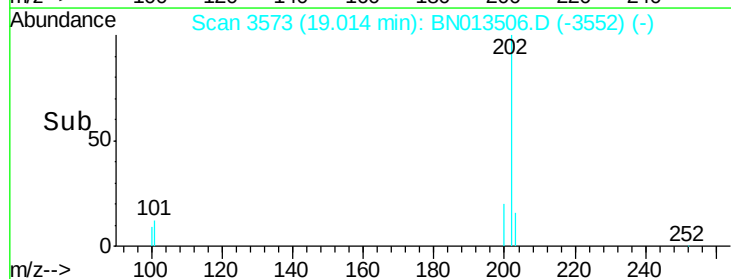
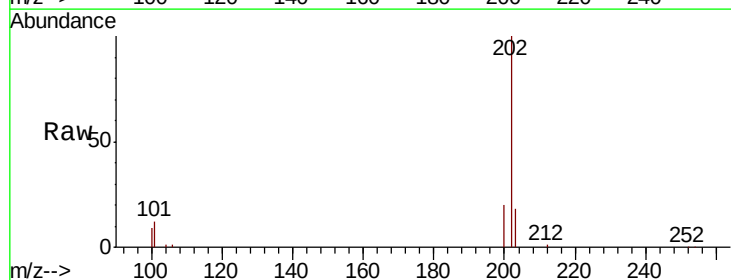
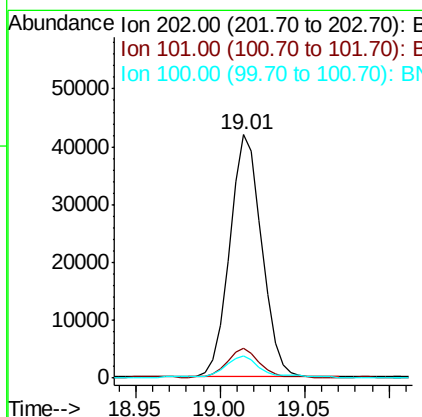
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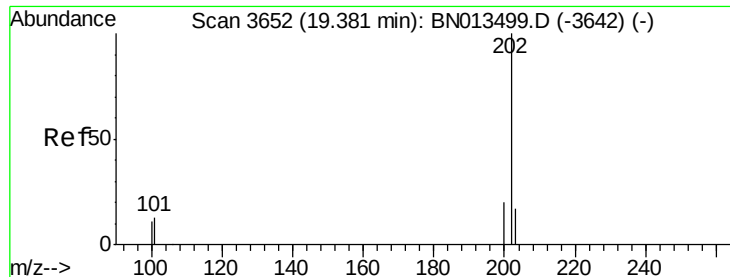
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#15
 Fluoranthene
 Concen: 0.734 ng/ul
 RT: 19.01 min Scan# 3573
 Delta R.T. -0.00 min
 Lab File: BN013506.D
 Acq: 27 Jan 2021 14:10

Tgt Ion:202 Resp: 54992
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 31.6
 100 9.1 0.0 28.5





#17

Pvrene

Concen: 1.292 ng/ul

RT: 19.38 min Scan# 3652

Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

Instrument :

BNA_N

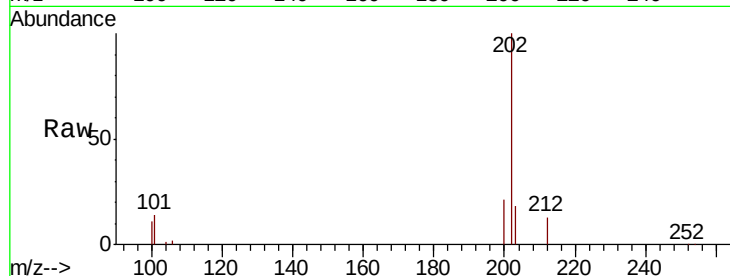
ClientSampleId :

F1C16

Tot Ion:	202	Resp:	102327
Ion Ratio	Lower	Upper	
202	100		
101	13.5	11.2	16.8
100	10.9	9.0	13.4

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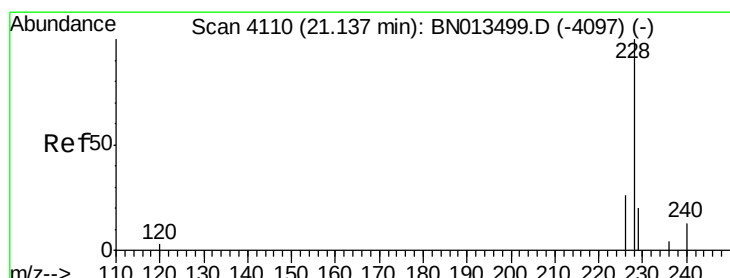
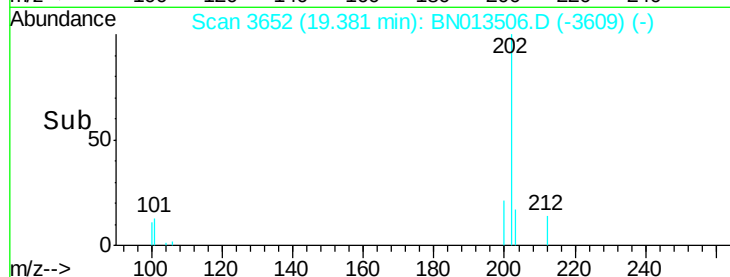
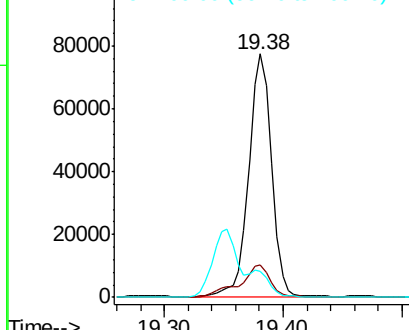


Abundance

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



#18

Benzo(a)anthracene

Concen: 0.116 ng/ul

RT: 21.14 min Scan# 4110

Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

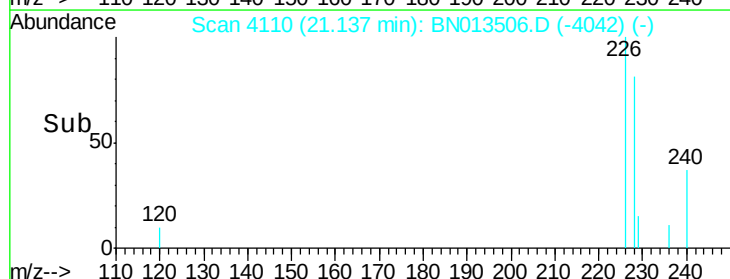
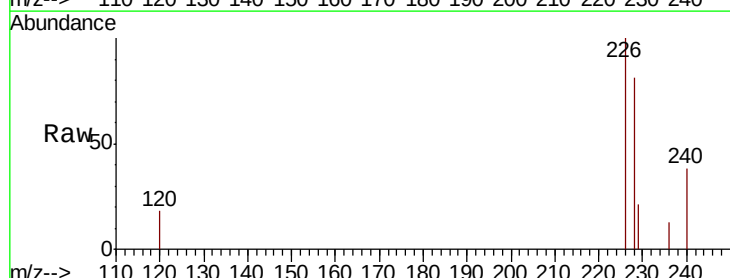
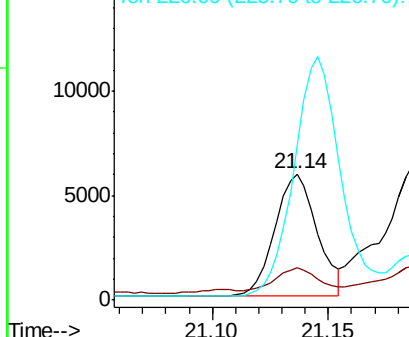
Tgt Ion:	228	Resp:	7397
Ion Ratio	Lower	Upper	
228	100		
229	25.3	15.6	23.4#
226	123.1	21.9	32.9#

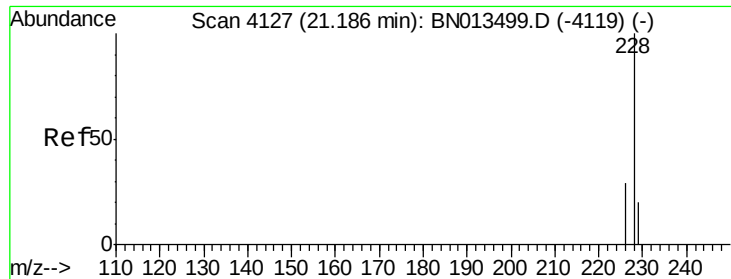
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.129 ng/ul

RT: 21.19 min Scan# 4127

Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

Instrument :

BNA_N

ClientSampleId :

F1C16

Tot Ion:228 Resp: 10310

Ion Ratio Lower Upper

228 100

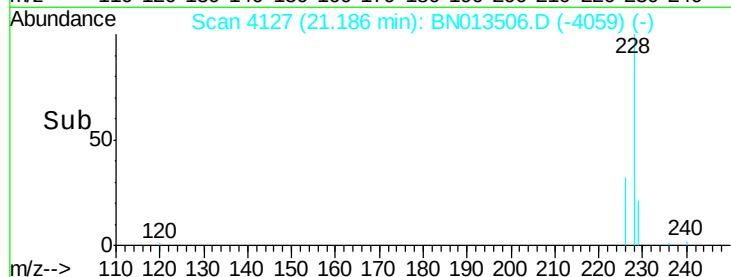
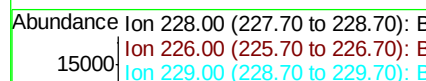
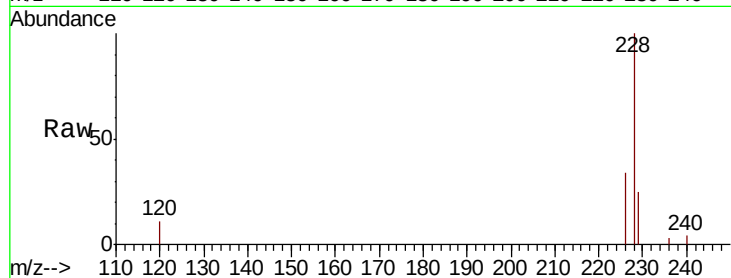
226 33.7 24.0 36.0

229 25.4 15.8 23.8#

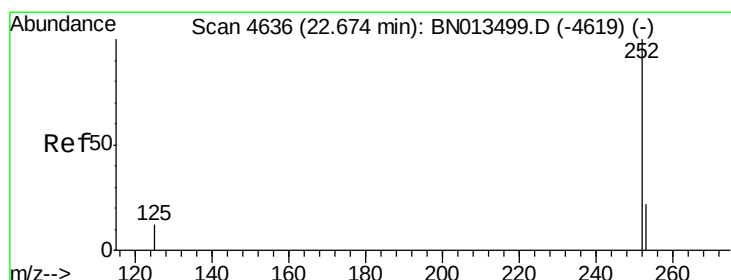
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Time--> 21.10 21.20 21.30



#21

Benzo(b)fluoranthene

Concen: 0.148 ng/ul m

RT: 22.67 min Scan# 4636

Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

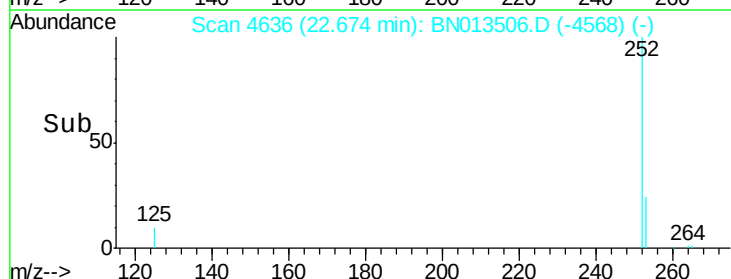
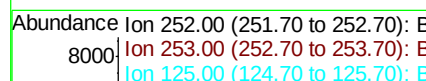
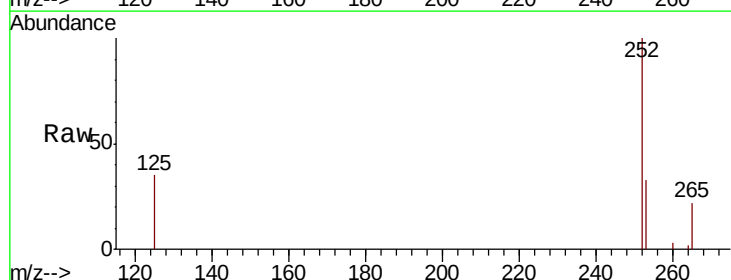
Tgt Ion:252 Resp: 11507

Ion Ratio Lower Upper

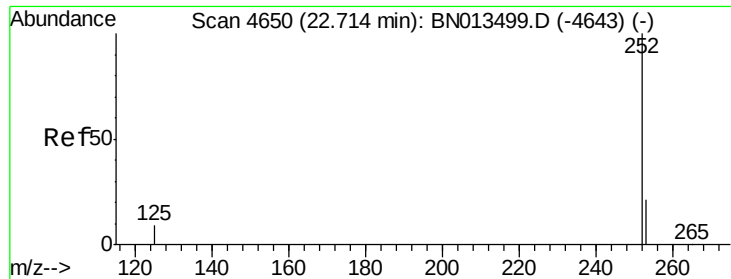
252 100

253 32.8 0.0 47.4

125 34.6 0.0 26.8#



Time--> 22.65 22.70



#22

Benzo(k)fluoranthene

Concen: 0.055 ng/ul

RT: 22.71 min Scan# 4650

Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

Instrument :

BNA_N

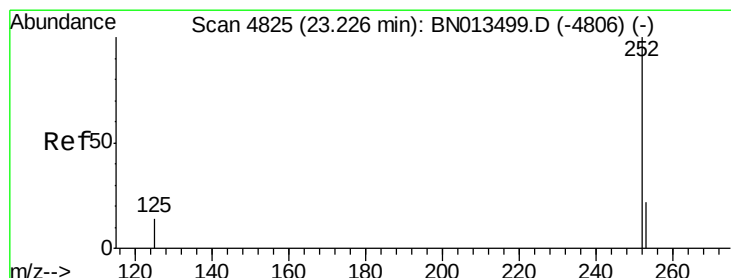
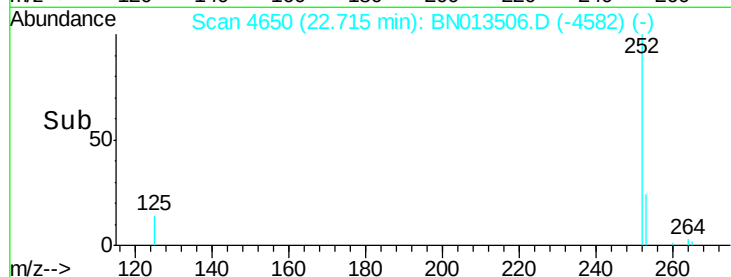
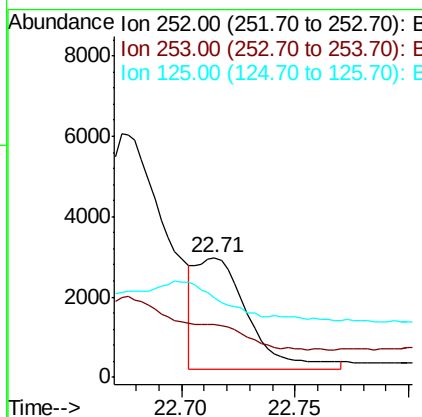
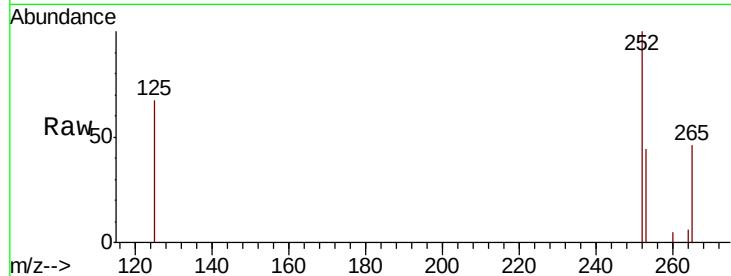
ClientSampleId :

F1C16

Tot Ion:	252	Resp:	4572
Ion Ratio	Lower	Upper	
252	100		
253	44.1	19.2	28.8#
125	66.8	11.4	17.2#

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#23

Benzo(a)pyrene

Concen: 0.134 ng/ul

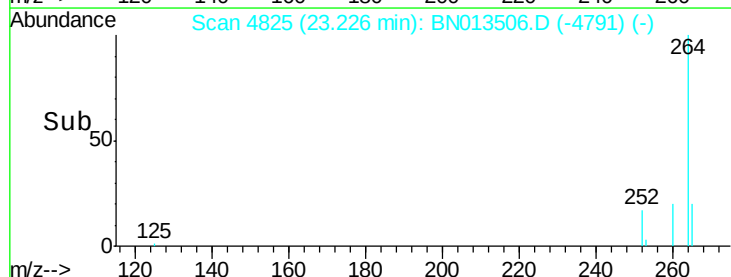
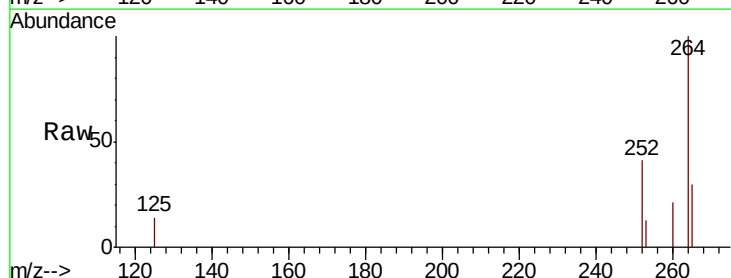
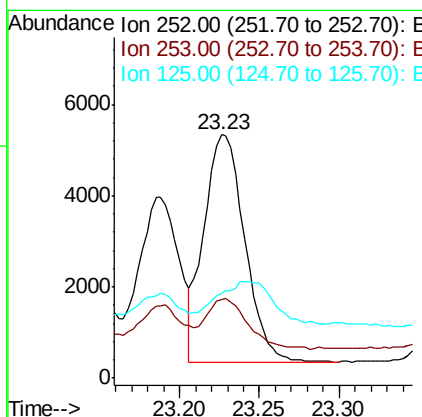
RT: 23.23 min Scan# 4825

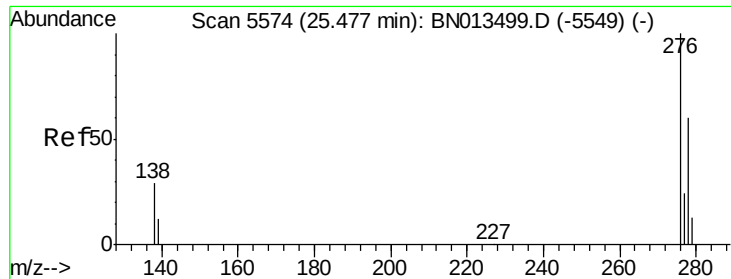
Delta R.T. 0.00 min

Lab File: BN013506.D

Acq: 27 Jan 2021 14:10

Tgt Ion:	252	Resp:	8810
Ion Ratio	Lower	Upper	
252	100		
253	32.3	20.1	30.1#
125	35.1	13.1	19.7#





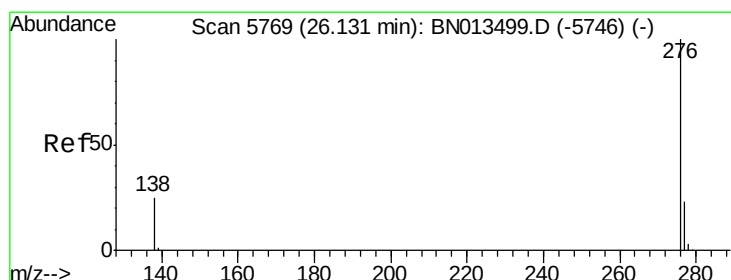
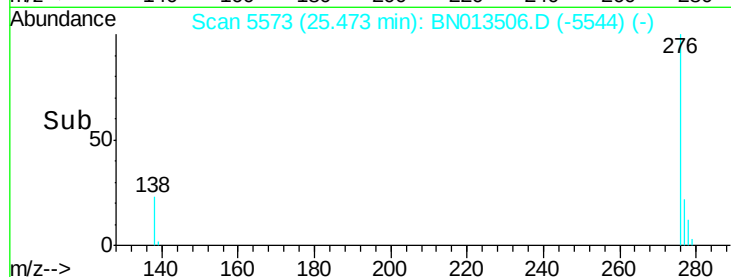
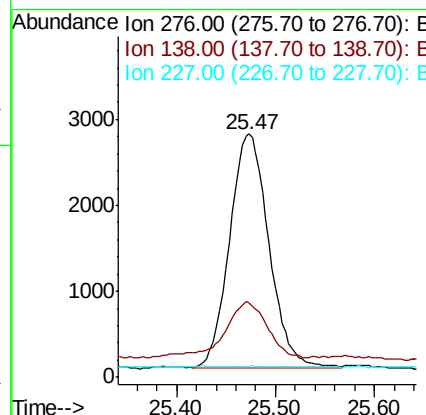
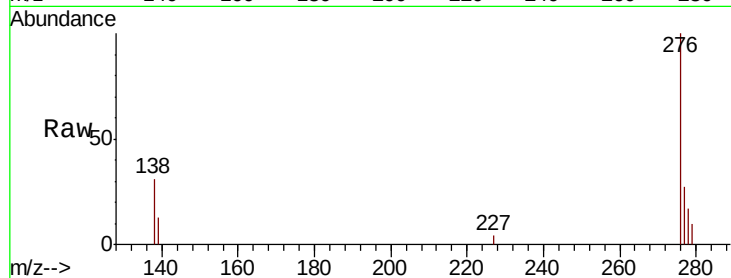
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.086 ng/ul
 RT: 25.47 min Scan# 5573
 Delta R.T. -0.00 min
 Lab File: BN013506.D
 Acq: 27 Jan 2021 14:10

Instrument :
 BNA_N
 ClientSampleId :
 F1C16

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.0	0.0	0.0#
227	0.0	0.0	0.0#

Manual Integrations
 APPROVED

mohammad
 1/28/2021 11:44:06 AM



#26
 Benzo(g,h,i)perylene
 Concen: 0.179 ng/ul
 RT: 26.13 min Scan# 5770
 Delta R.T. 0.00 min
 Lab File: BN013506.D
 Acq: 27 Jan 2021 14:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	28.3	21.0	31.4
277	25.1	19.5	29.3

