

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
 Data File : BN012794.D
 Acq On : 01 Dec 2020 22:28
 Operator : CG/JU
 Sample : L4793-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BA2

Manual Integrations
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Quant Time: Dec 02 01:37:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 00:53:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	983	0.40	ng/ul	0.00
2) Naphthalene-d8	10.18	136	3973	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.08	164	2380	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.83	188	5115	0.40	ng/ul	0.00
16) Chrysene-d12	21.05	240	4459	0.40	ng/ul	0.00
20) Perylene-d12	23.16	264	4460	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.79	152	822	0.14	ng/ul	0.00
14) Fluoranthene-d10	18.87	212	2095	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.23	128	313	0.026	ng/ul#	60
5) 2-Methylnaphthalene	11.87	142	182	0.024	ng/ul	96
7) Acenaphthylene	13.80	152	567	0.049	ng/ul#	82
8) Acenaphthene	14.14	153	710	0.073	ng/ul	97
9) Fluorene	15.14	166	1407	0.131	ng/ul	99
12) Phenanthrene	16.87	178	20292	1.140	ng/ul	97
13) Anthracene	16.97	178	3740	0.242	ng/ul	98
15) Fluoranthene	18.91	202	25708	1.251	ng/ul	97
17) Pyrene	19.27	202	21830	1.094	ng/ul	99
18) Benzo(a)anthracene	21.04	228	12172	0.762	ng/ul	99
19) Chrysene	21.09	228	11982	0.600	ng/ul	98
21) Benzo(b)fluoranthene	22.54	252	14123m	0.688	ng/ul	
22) Benzo(k)fluoranthene	22.58	252	5894m	0.249	ng/ul	
23) Benzo(a)pyrene	23.07	252	10000	0.518	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.23	276	6291	0.249	ng/ul	97
25) Dibenzo(a,h)anthracene	25.24	278	1808	0.089	ng/ul#	82
26) Benzo(a,h,i)perylene	25.86	276	5730	0.252	ng/ul	98

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

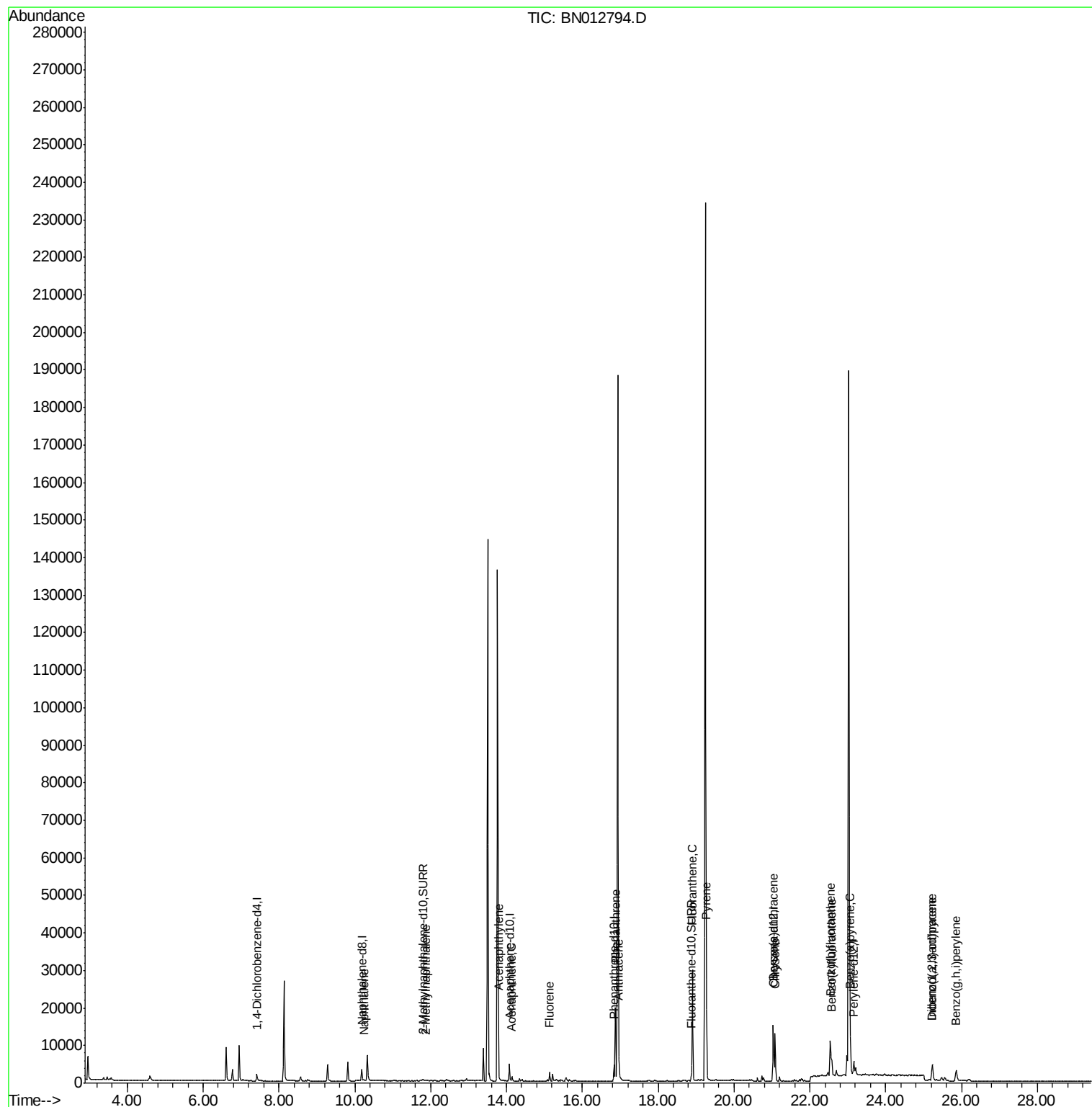
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
Data File : BN012794.D
Acq On : 01 Dec 2020 22:28
Operator : CG/JU
Sample : L4793-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

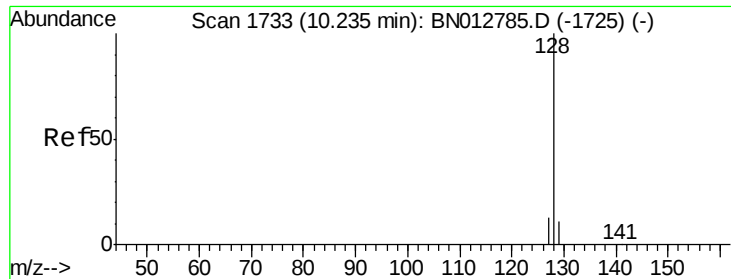
Instrument :
BNA_N
ClientSampleId :
C0BA2

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Quant Time: Dec 02 01:37:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 00:53:21 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.026 ng/ul

RT: 10.23 min Scan# 1732

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

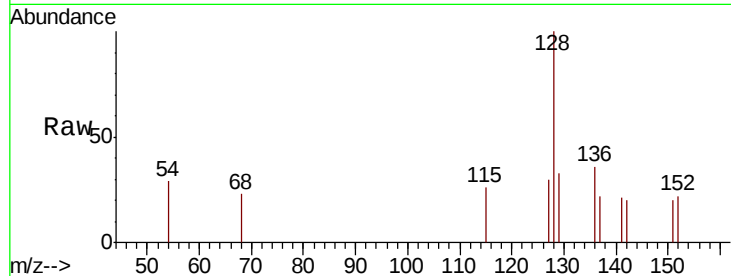
ClientSampleId :

C0BA2

Tot Ion:	128	Resp:	313
Ion Ratio	Lower	Upper	
128	100		
129	32.8	11.2	16.8#
127	29.8	12.5	18.7#

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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

10.23

250

200

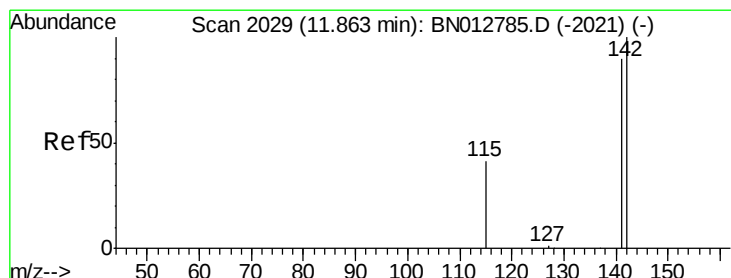
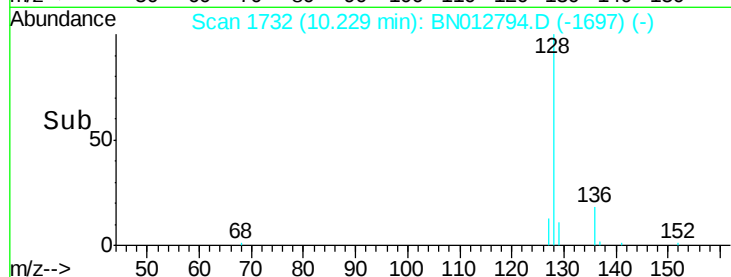
150

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.024 ng/ul

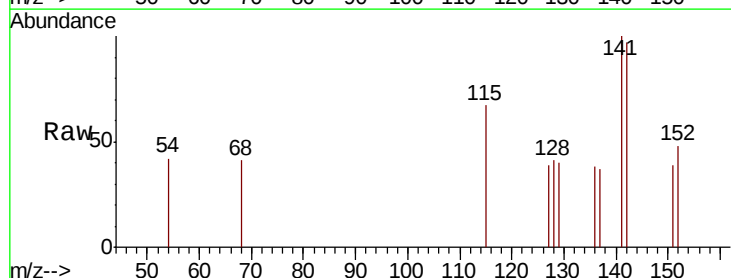
RT: 11.87 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Tgt Ion:	142	Resp:	182
Ion Ratio	Lower	Upper	
142	100		
141	94.5	72.3	108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

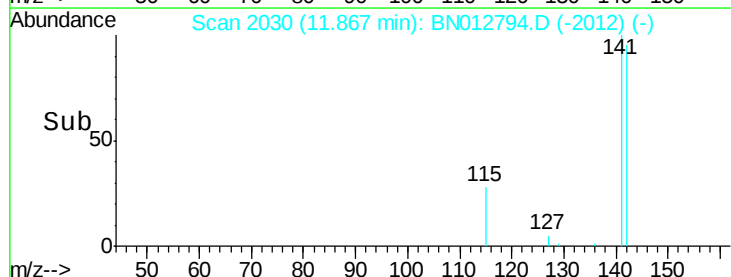
150

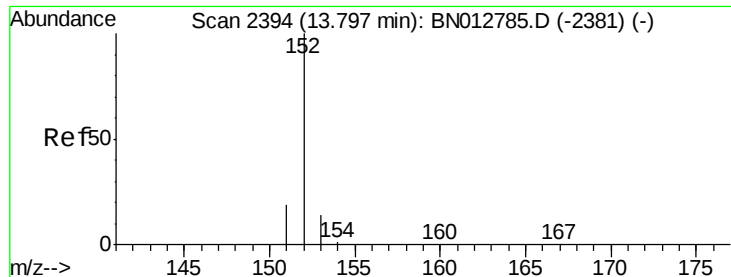
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.049 ng/ul

RT: 13.80 min Scan# 2394

Delta R.T. -0.00 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

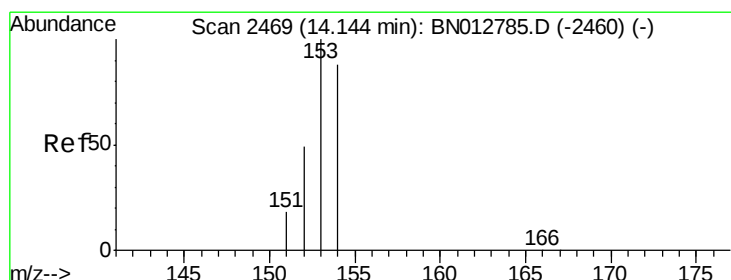
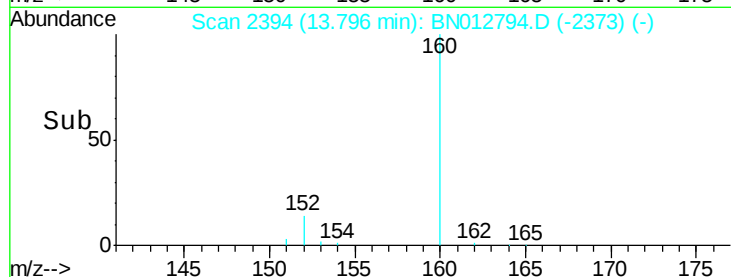
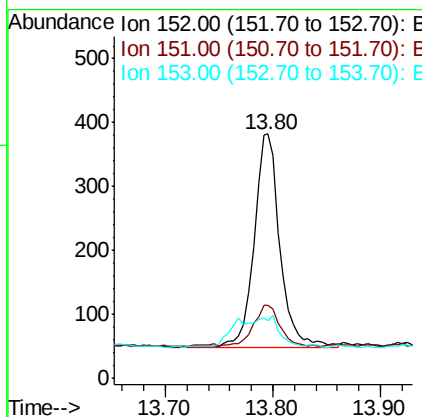
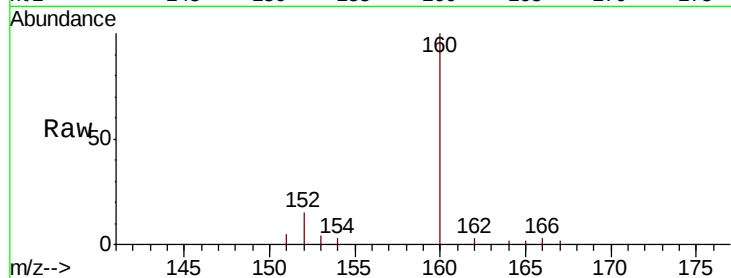
ClientSampleId :

C0BA2

Tot Ion:	152	Resp:	567
Ion Ratio	Lower	Upper	
152	100		
151	29.8	17.1	25.7#
153	23.6	12.6	19.0#

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#8

Acenaphthene

Concen: 0.073 ng/ul

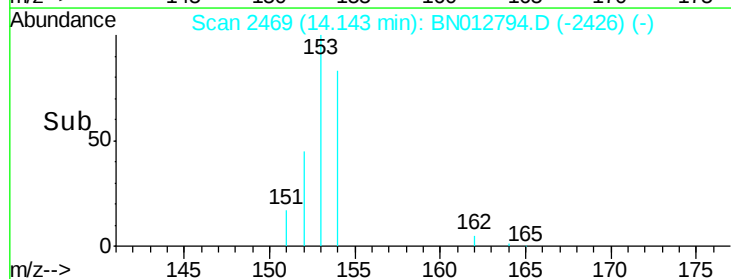
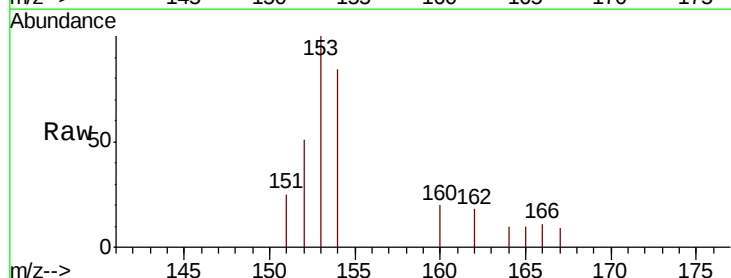
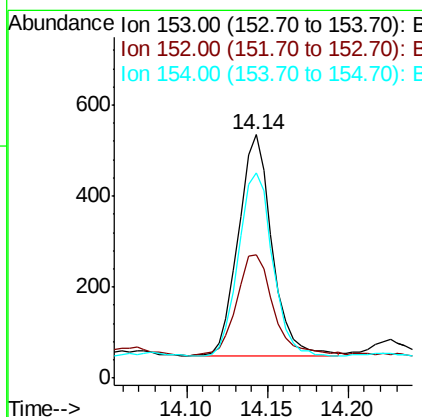
RT: 14.14 min Scan# 2469

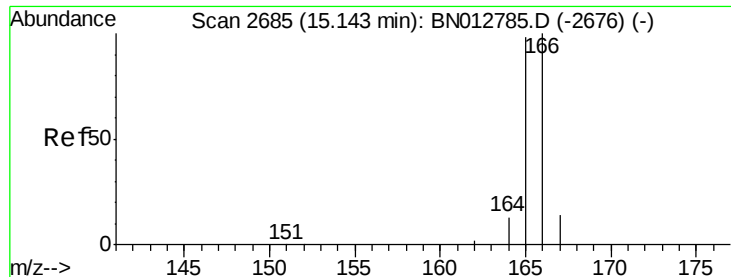
Delta R.T. -0.00 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Tgt Ion:	153	Resp:	710
Ion Ratio	Lower	Upper	
153	100		
152	50.8	41.4	62.0
154	84.5	70.9	106.3





#9

Fluorene

Concen: 0.131 ng/ul

RT: 15.14 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

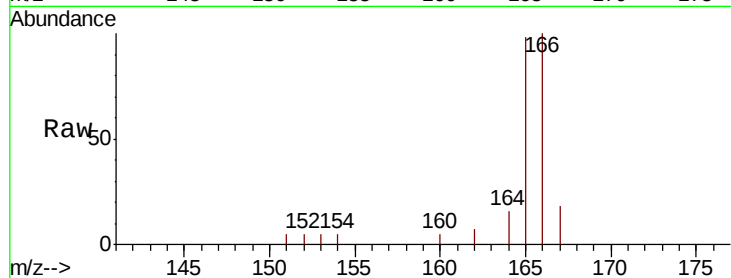
ClientSampleId :

C0BA2

Tot Ion:	166	Resp:	1407
Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.5	117.7
167	17.8	12.7	19.1

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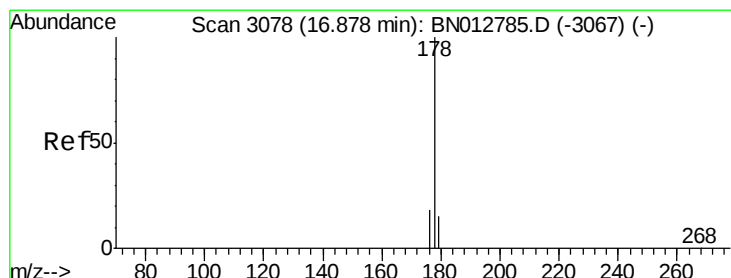
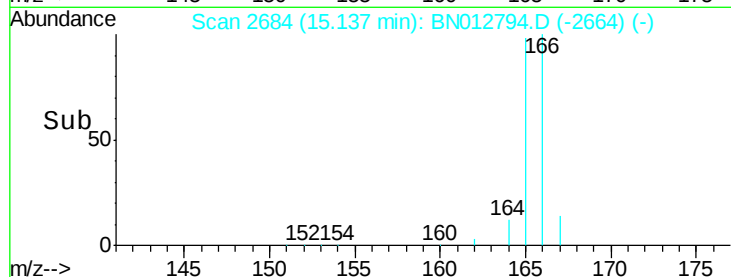
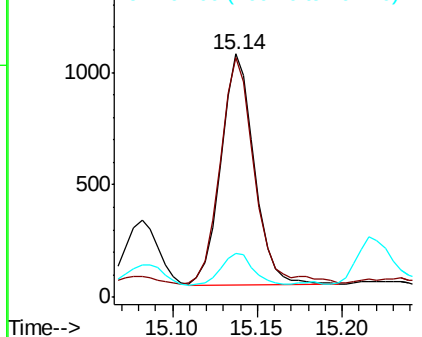


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 1.140 ng/ul

RT: 16.87 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

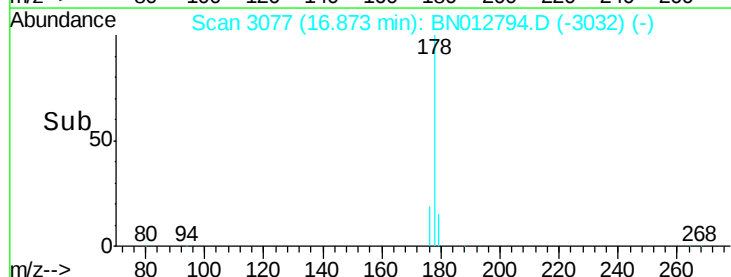
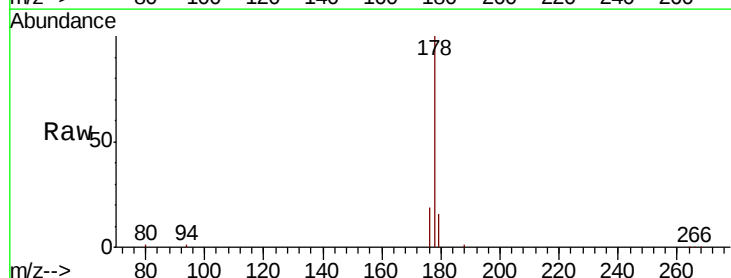
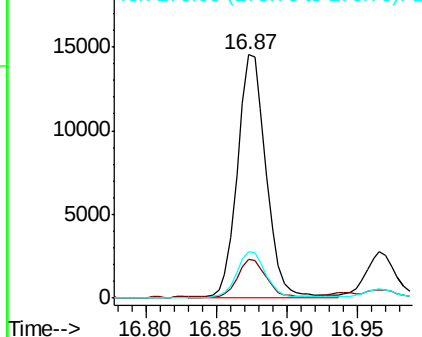
Tgt Ion:	178	Resp:	20292
Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.8	20.6
176	19.3	16.7	25.1

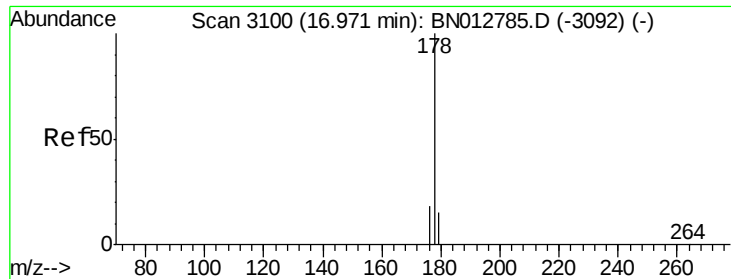
Abundance

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





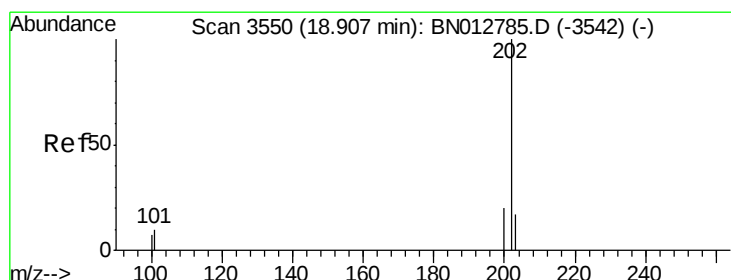
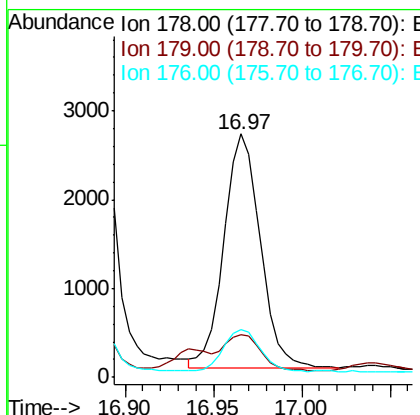
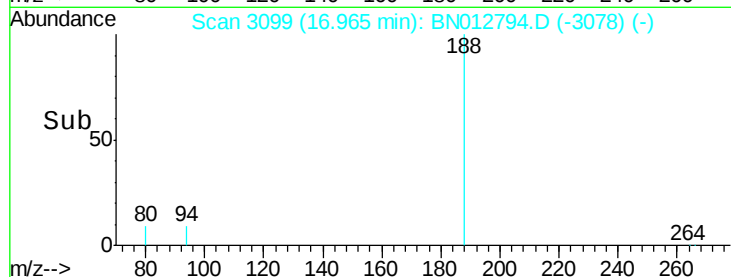
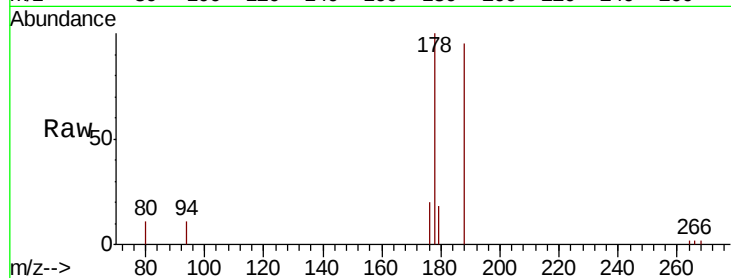
#13
 Anthracene
 Concen: 0.242 ng/ul
 RT: 16.97 min Scan# 3099
 Delta R.T. -0.01 min
 Lab File: BN012794.D
 Acq: 01 Dec 2020 22:28

Instrument :
 BNA_N
 ClientSampleId :
 C0BA2

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.7	14.8	22.2
176	19.8	16.3	24.5

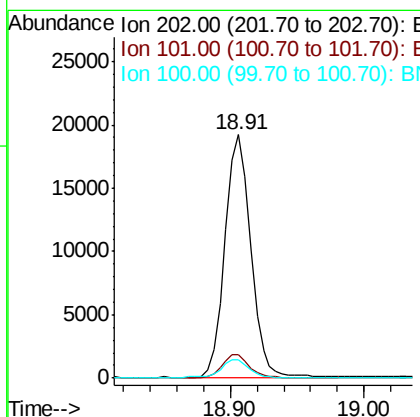
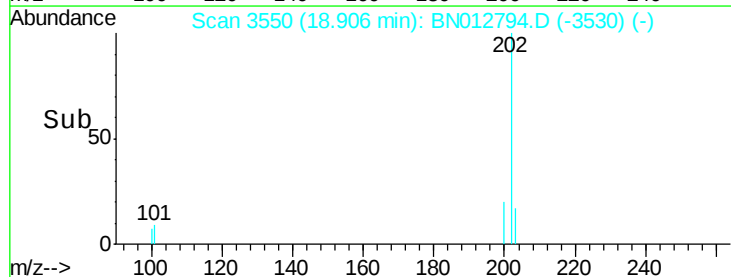
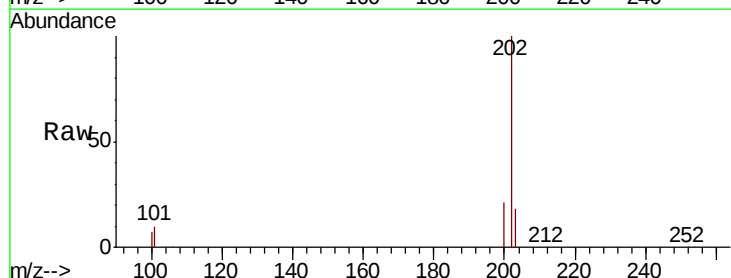
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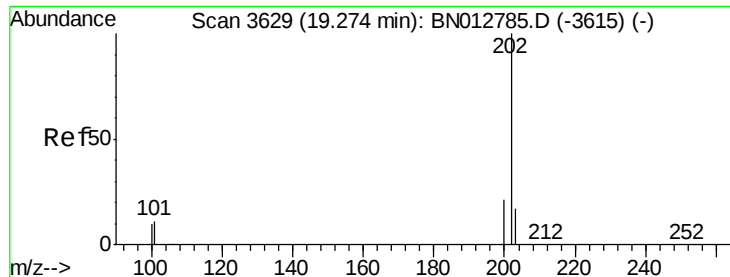
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#15
 Fluoranthene
 Concen: 1.251 ng/ul
 RT: 18.91 min Scan# 3550
 Delta R.T. -0.01 min
 Lab File: BN012794.D
 Acq: 01 Dec 2020 22:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.5
100	7.3	0.0	28.4





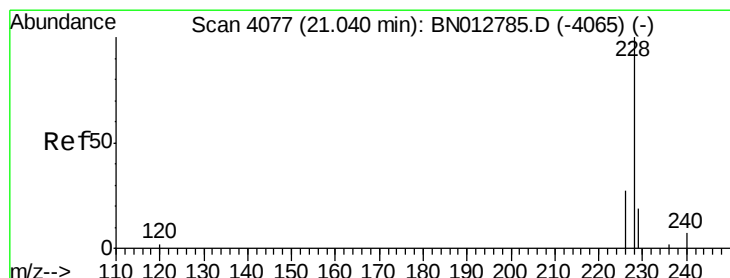
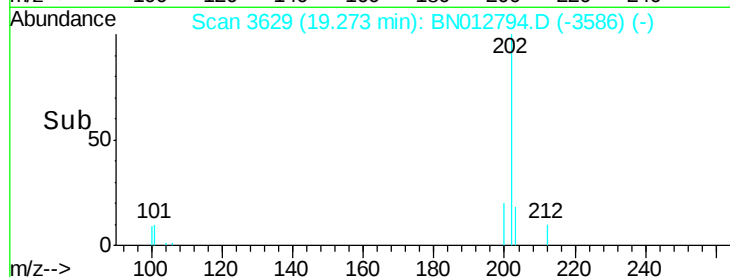
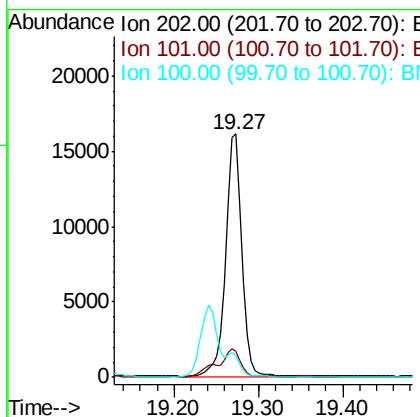
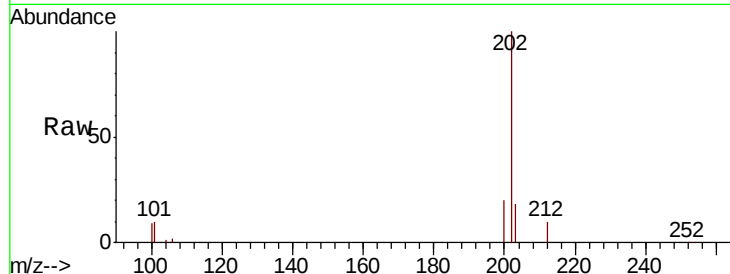
#17
Pvrene
Concen: 1.094 ng/ul
RT: 19.27 min Scan# 3629
Delta R.T. -0.00 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Instrument :
BNA_N
ClientSampleId :
C0BA2

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.9	13.3
100	9.0	7.4	11.2

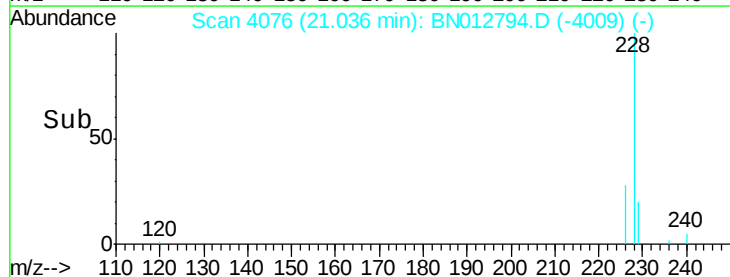
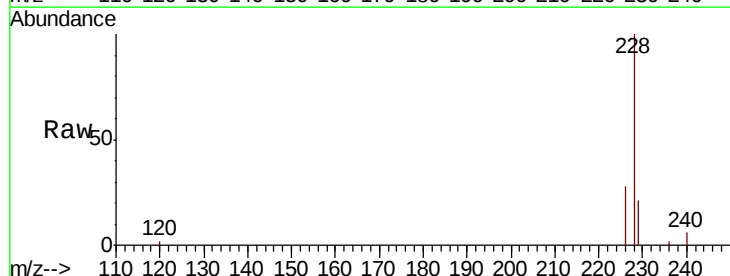
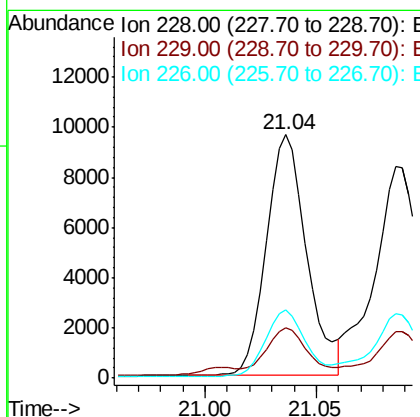
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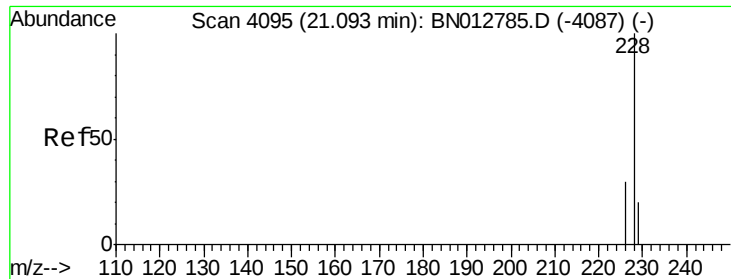
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#18
Benzo(a)anthracene
Concen: 0.762 ng/ul
RT: 21.04 min Scan# 4076
Delta R.T. -0.00 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.9	25.3
226	28.1	23.1	34.7





#19

Chrysene

Concen: 0.600 ng/ul

RT: 21.09 min Scan# 4093

Delta R.T. -0.01 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Instrument :

BNA_N

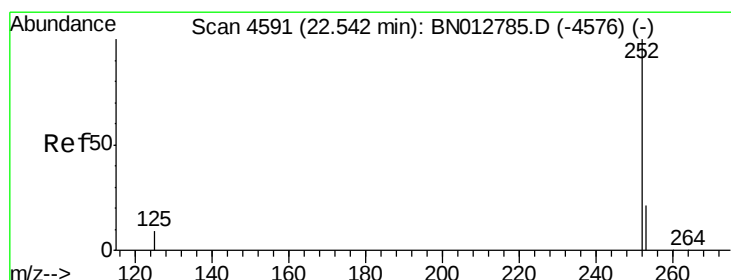
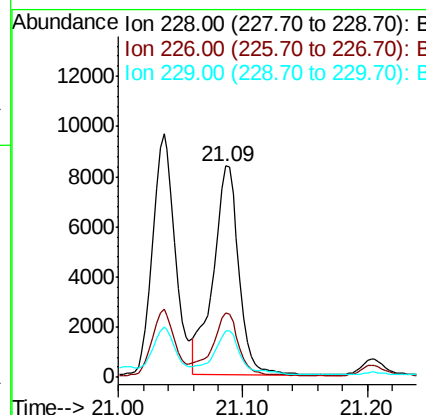
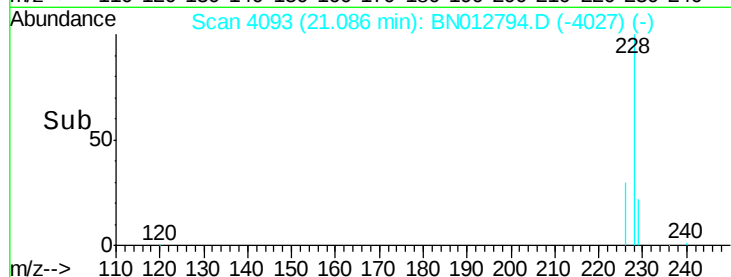
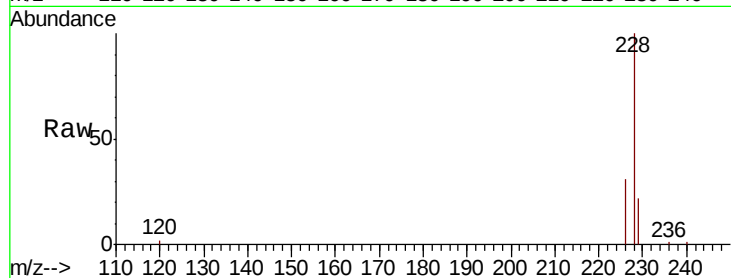
ClientSampleId :

C0BA2

Tot Ion:	228	Resp:	11982
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.4	36.6
229	22.2	16.1	24.1

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#21

Benzo(b)fluoranthene

Concen: 0.688 ng/ul m

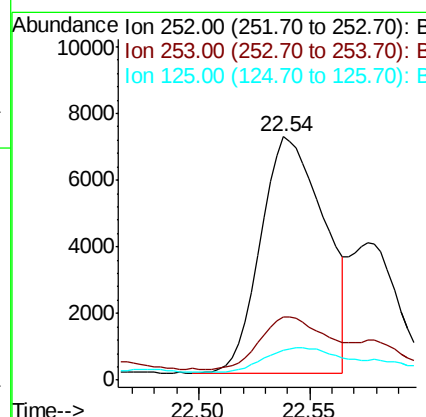
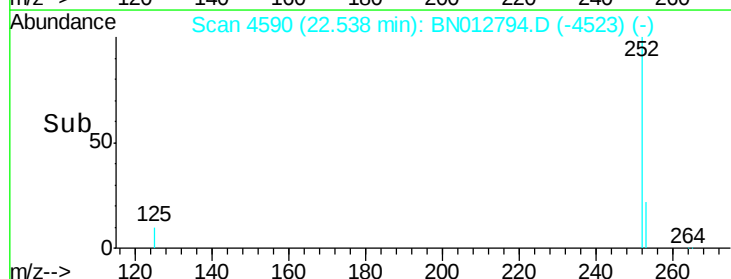
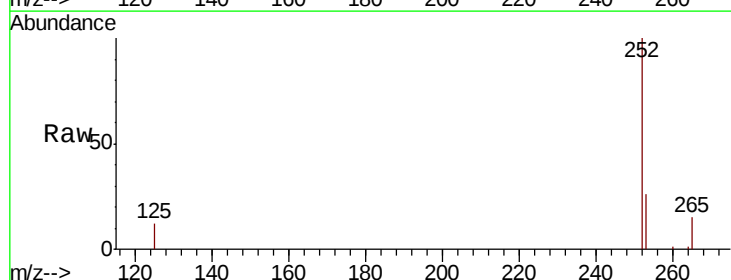
RT: 22.54 min Scan# 4590

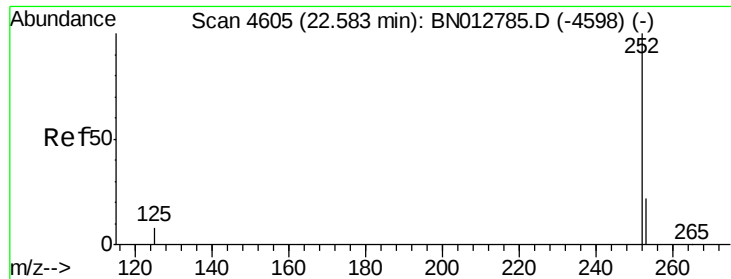
Delta R.T. -0.00 min

Lab File: BN012794.D

Acq: 01 Dec 2020 22:28

Tgt Ion:	252	Resp:	14123
Ion Ratio	Lower	Upper	
252	100		
253	26.1	0.0	58.4
125	12.3	0.0	28.6





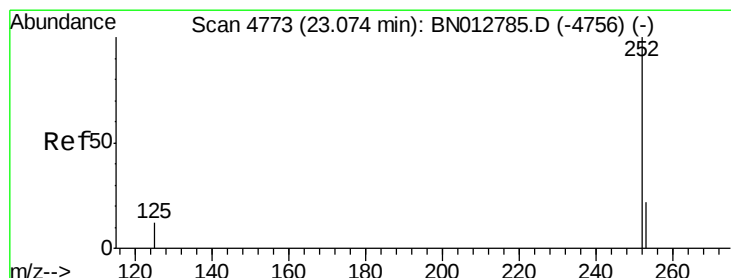
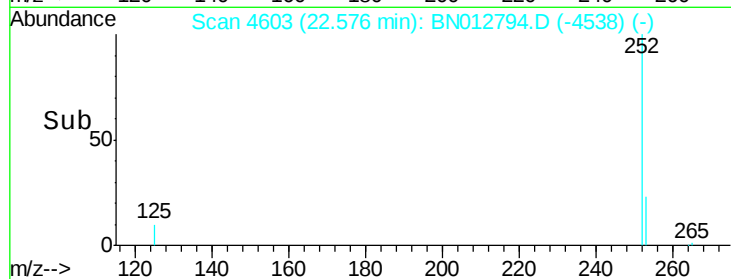
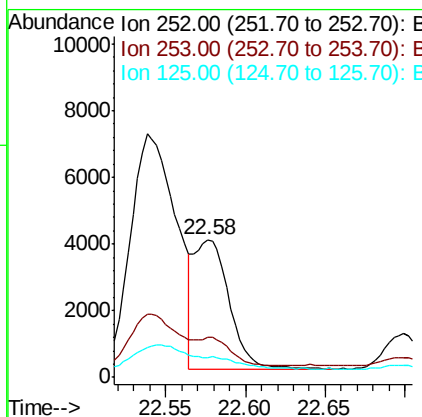
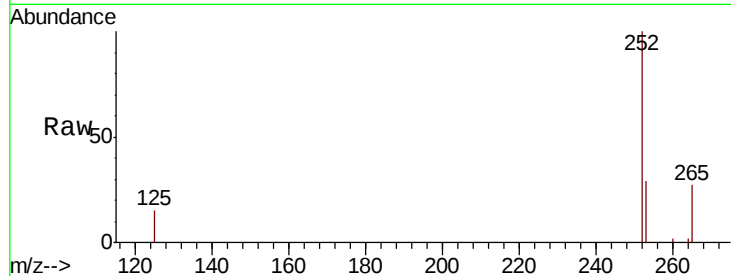
#22
Benzo(k)fluoranthene
Concen: 0.249 ng/ul m
RT: 22.58 min Scan# 4603
Delta R.T. -0.01 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Instrument :
BNA_N
ClientSampleId :
C0BA2

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.4	23.4	35.2
125	14.6	10.2	15.2

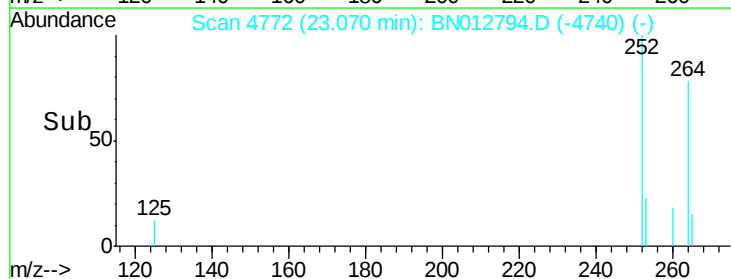
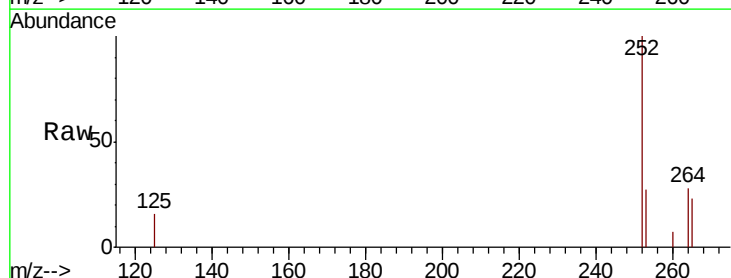
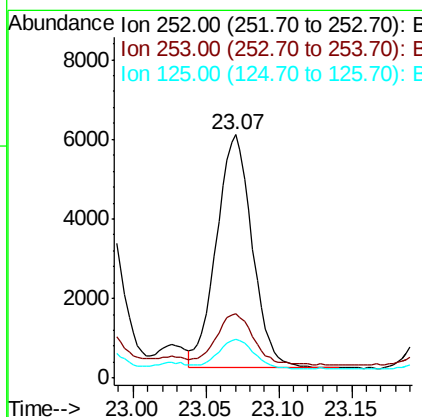
Manual Integrations
APPROVED

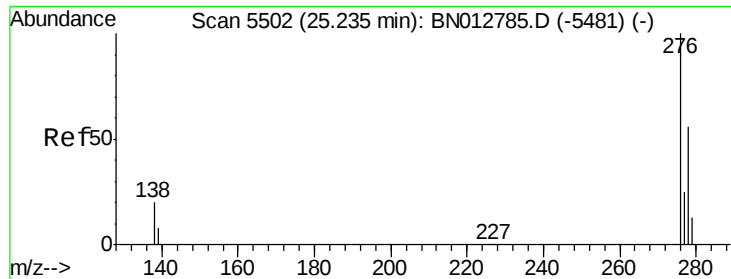
mohammad
12/2/2020 2:28:06 PM



#23
Benzo(a)pyrene
Concen: 0.518 ng/ul
RT: 23.07 min Scan# 4772
Delta R.T. -0.01 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	27.6	41.4#
125	15.7	17.0	25.4#





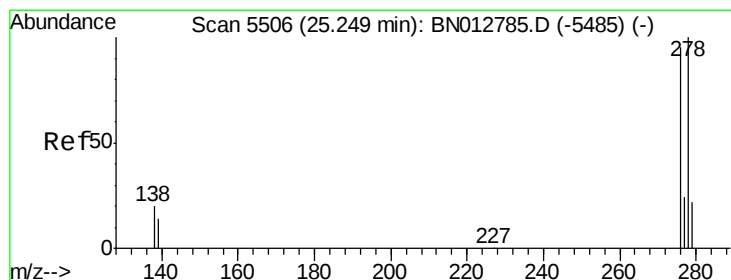
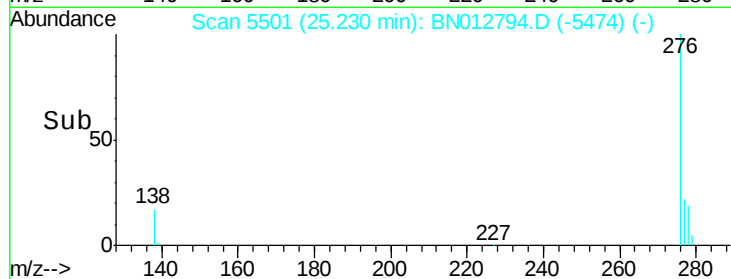
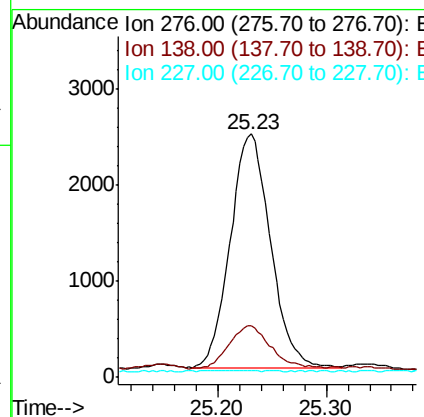
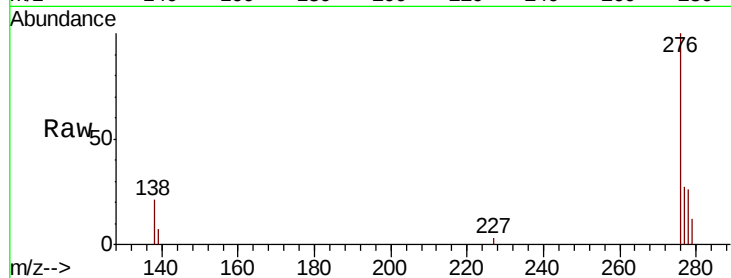
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.249 ng/ul
RT: 25.23 min Scan# 5501
Delta R.T. -0.01 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Instrument :
BNA_N
ClientSampleId :
C0BA2

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	16.5	24.7
227	0.1	0.1	0.1

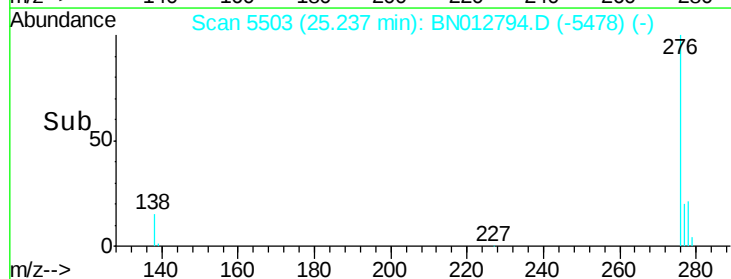
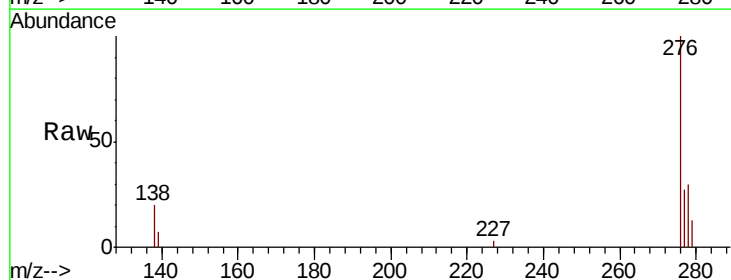
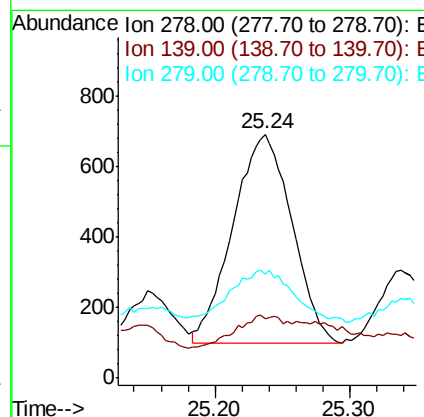
Manual Integrations
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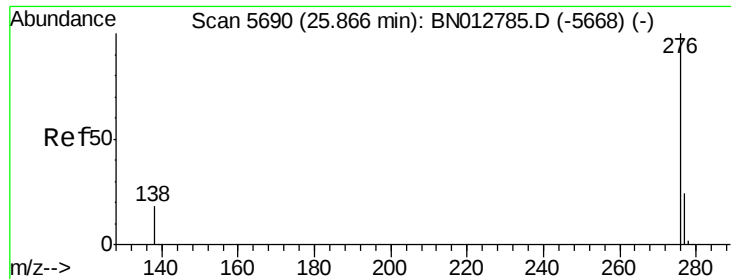
mohammad
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#25
Dibenzo(a,h)anthracene
Concen: 0.089 ng/ul
RT: 25.24 min Scan# 5503
Delta R.T. -0.01 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.2	13.8	20.8#
279	42.7	25.6	38.4#





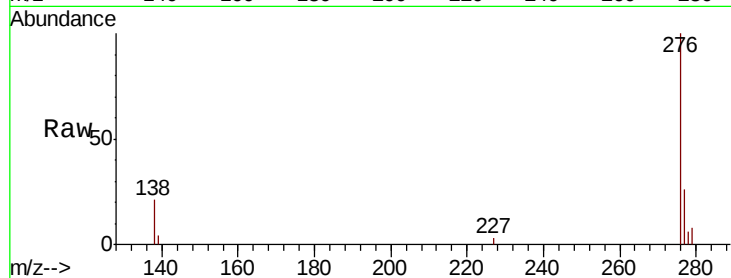
#26
Benzo(a,h,i)perylene
Concen: 0.252 ng/ul
RT: 25.86 min Scan# 5690
Delta R.T. -0.00 min
Lab File: BN012794.D
Acq: 01 Dec 2020 22:28

Instrument :
BNA_N
ClientSampleId :
C0BA2

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.3	24.5
277	26.1	21.8	32.8

Manual Integrations
APPROVED

mohammad
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

