

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121420\
 Data File : BN013115.D
 Acq On : 14 Dec 2020 14:18
 Operator : CG/JU
 Sample : L5063-08DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AE0DL

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Quant Time: Dec 14 14:50:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 11:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	1305	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	4105	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	2561	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	3724	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	2869	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	2886	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.71	152	275	0.05	ng/ul	-0.02
14) Fluoranthene-d10	18.84	212	388	0.04	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.18	128	8155	0.687	ng/ul#	94
5) 2-Methylnaphthalene	11.81	142	27425	3.515	ng/ul	100
7) Acenaphthylene	13.76	152	1768	0.146	ng/ul#	1
8) Acenaphthene	14.10	153	2794	0.281	ng/ul	92
9) Fluorene	15.10	166	5369	0.471	ng/ul#	82
12) Phenanthrene	16.84	178	79699	6.383	ng/ul	98
13) Anthracene	16.93	178	6964	0.655	ng/ul#	89
15) Fluoranthene	18.87	202	13704	0.924	ng/ul	91
17) Pyrene	19.24	202	76621	5.654	ng/ul	99
18) Benzo(a)anthracene	21.01	228	7565	0.637	ng/ul#	34
19) Chrysene	21.06	228	9511	0.725	ng/ul#	69
21) Benzo(b)fluoranthene	22.51	252	6081m	0.455	ng/ul	
22) Benzo(k)fluoranthene	22.55	252	941m	0.064	ng/ul	
23) Benzo(a)pyrene	23.04	252	4538	0.366	ng/ul#	21
24) Indeno(1,2,3-cd)pyrene	25.18	276	1807	0.111	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.18	278	926	0.072	ng/ul#	1
26) Benzo(a,h,i)perylene	25.82	276	3382	0.230	ng/ul#	53

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

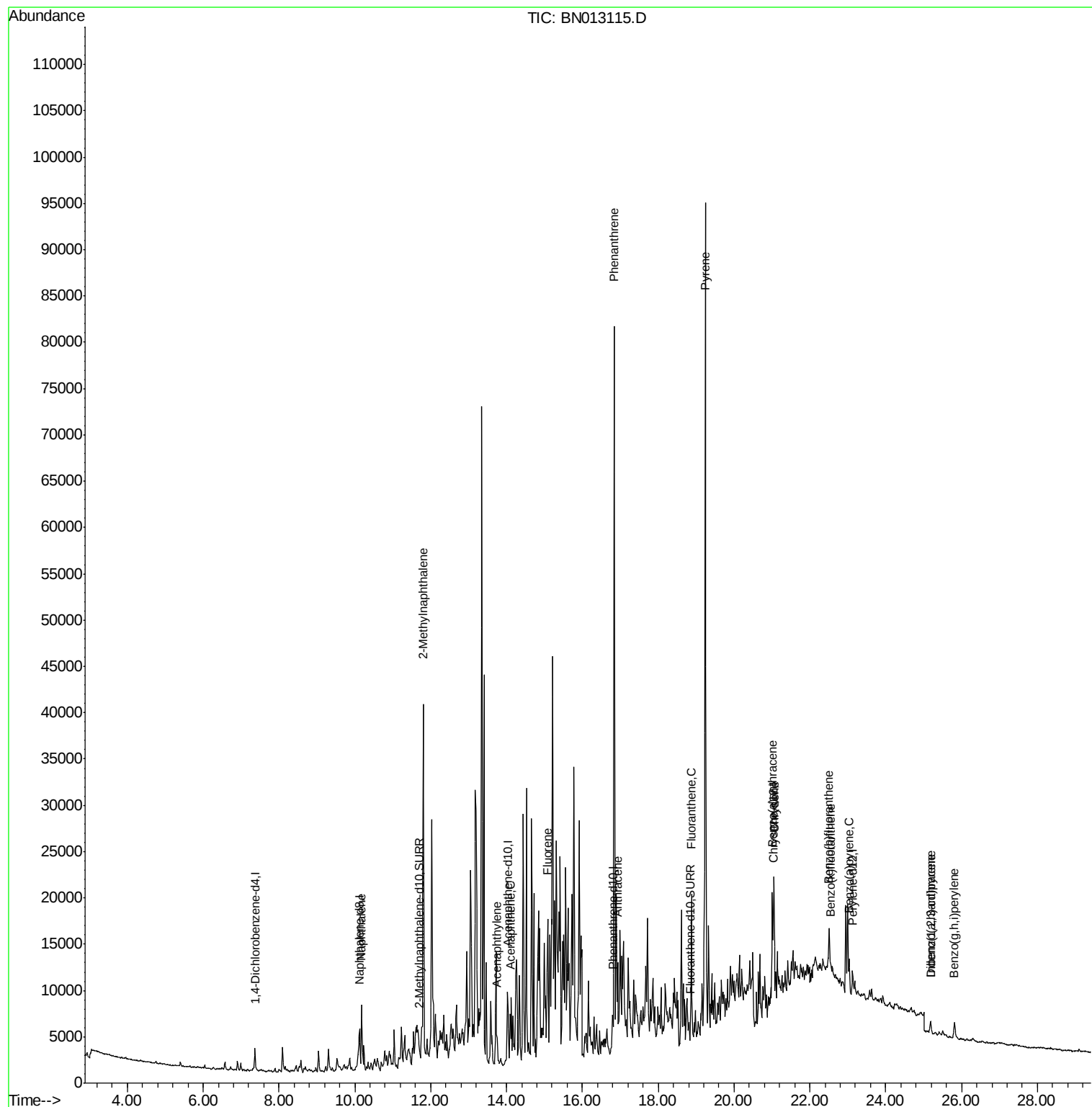
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121420\
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ALS Vial : 10 Sample Multiplier: 1

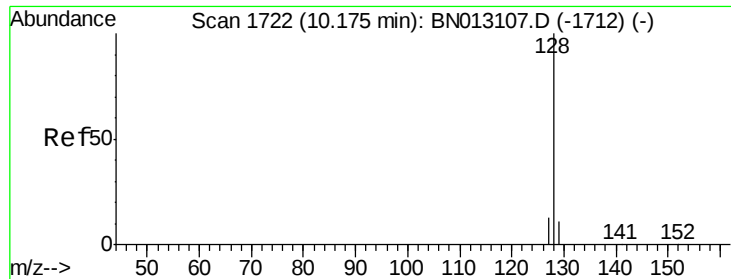
Instrument :
BNA_N
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C0AE0DL

Quant Time: Dec 14 14:50:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 11:29:45 2020
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#3

Naphthalene

Concen: 0.687 ng/ul

RT: 10.18 min Scan# 1723

Delta R.T. 0.01 min

Lab File: BN013115.D

Acq: 14 Dec 2020 14:18

Instrument :

BNA_N

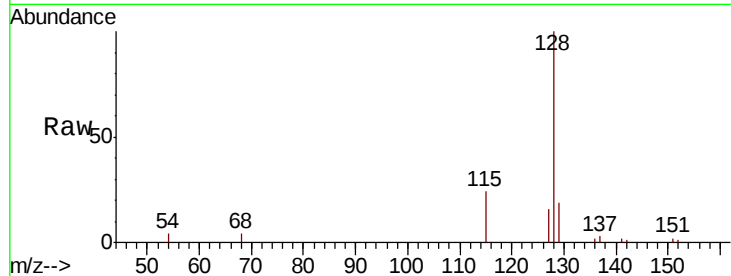
ClientSampleId :

C0AE0DL

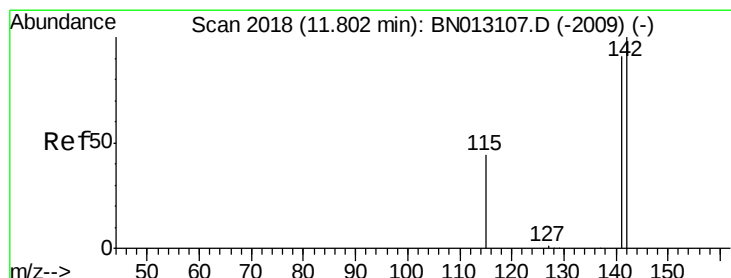
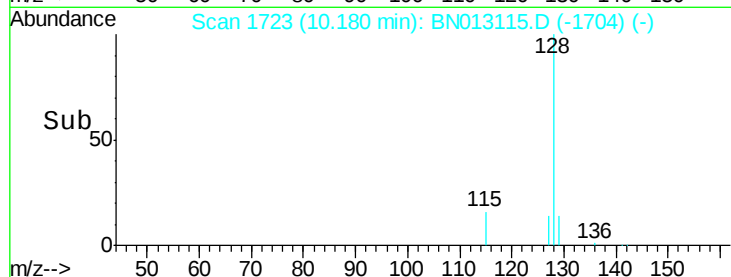
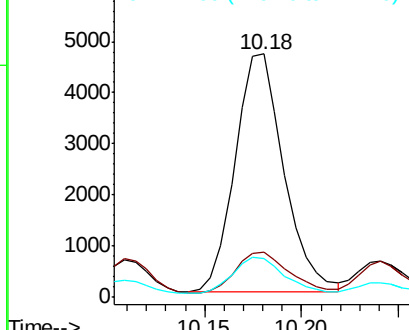
Tot Ion:	128	Resp:	8155
Ion Ratio	Lower	Upper	
128	100		
129	18.6	12.3	18.5#
127	15.8	14.2	21.4

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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: 3.515 ng/ul

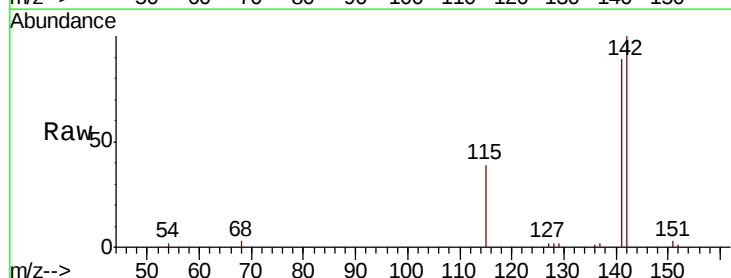
RT: 11.81 min Scan# 2019

Delta R.T. 0.01 min

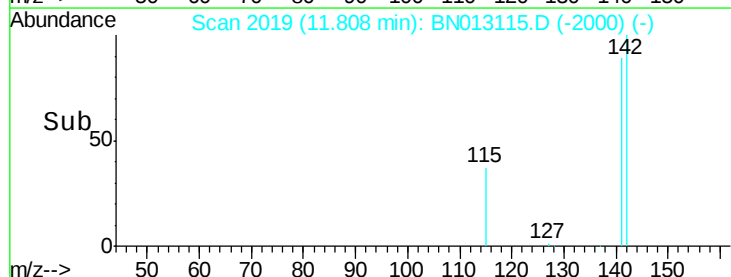
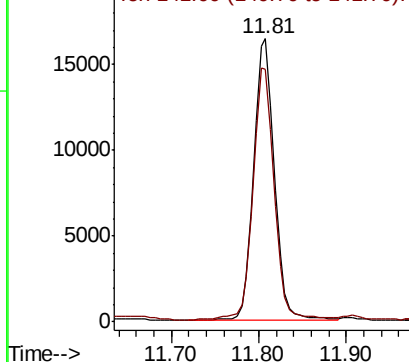
Lab File: BN013115.D

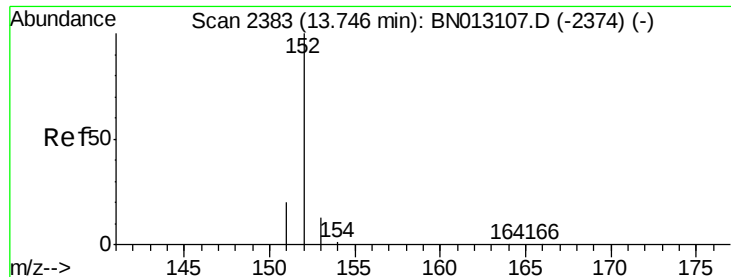
Acq: 14 Dec 2020 14:18

Tgt Ion:	142	Resp:	27425
Ion Ratio	Lower	Upper	
142	100		
141	91.2	73.0	109.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.146 ng/ul

RT: 13.76 min Scan# 2385

Delta R.T. 0.01 min

Lab File: BN013115.D

Acq: 14 Dec 2020 14:18

Instrument :

BNA_N

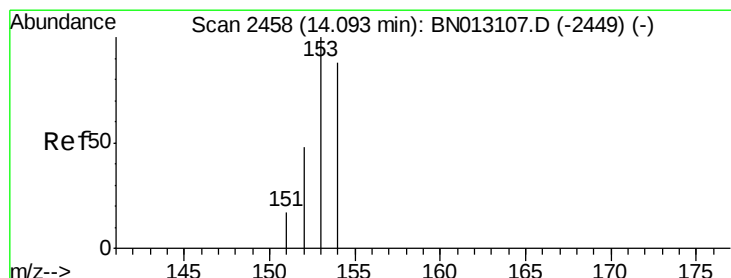
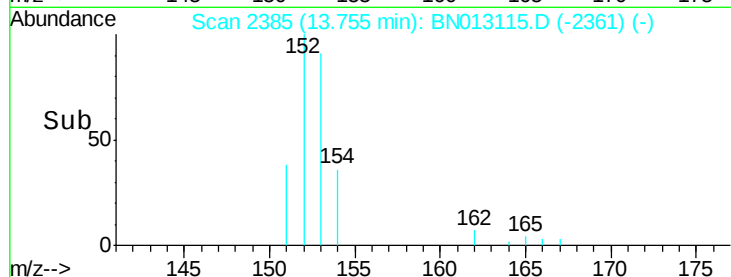
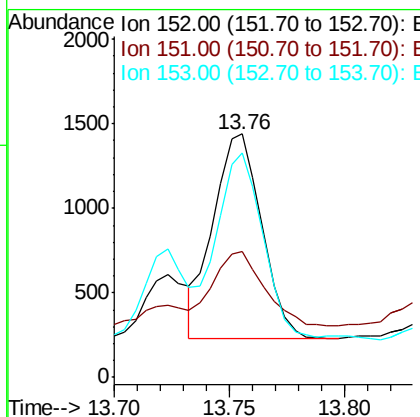
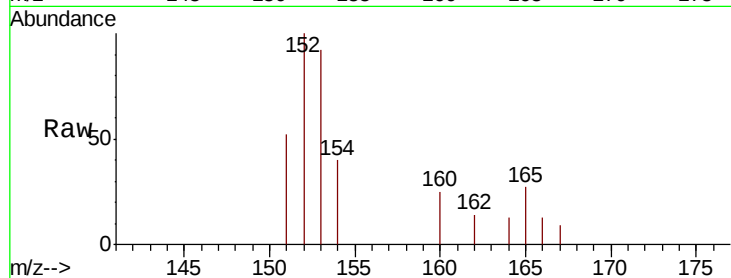
ClientSampleId :

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Tot Ion:	152	Resp:	1768
Ion Ratio	Lower	Upper	
152	100		
151	51.8	18.2	27.4#
153	92.4	13.1	19.7#

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#8

Acenaphthene

Concen: 0.281 ng/ul

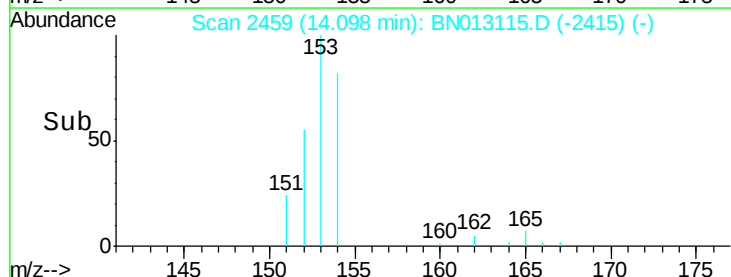
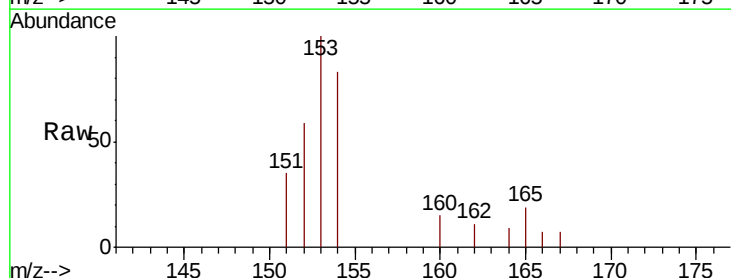
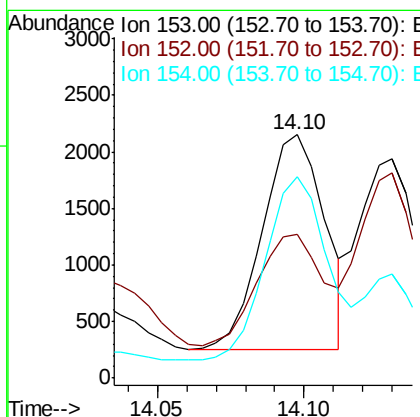
RT: 14.10 min Scan# 2459

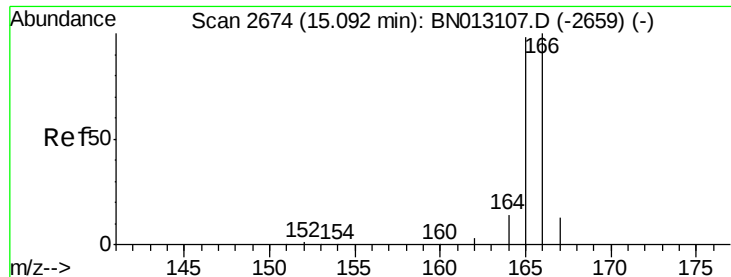
Delta R.T. 0.00 min

Lab File: BN013115.D

Acq: 14 Dec 2020 14:18

Tgt Ion:	153	Resp:	2794
Ion Ratio	Lower	Upper	
153	100		
152	59.1	40.7	61.1
154	82.8	70.8	106.2





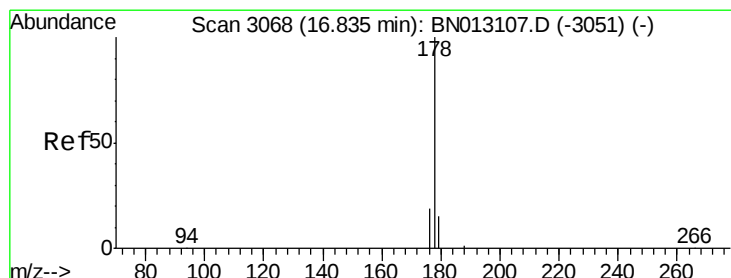
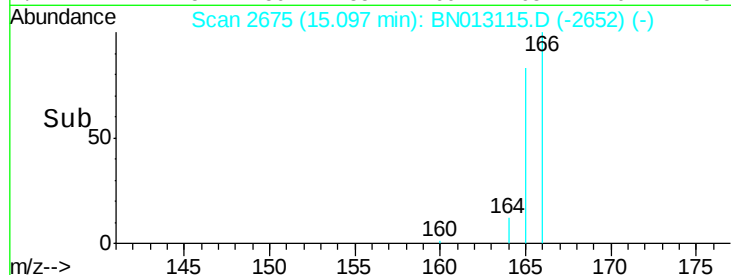
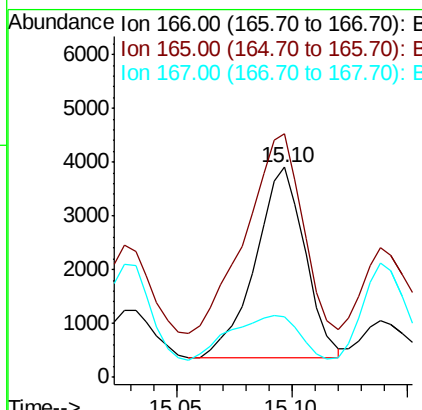
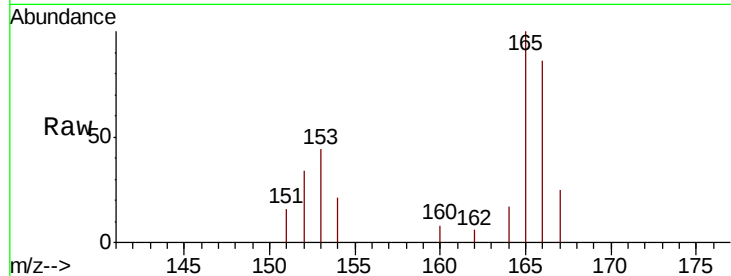
#9
Fluorene
 Concen: 0.471 ng/ul
 RT: 15.10 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: BN013115.D
 Acq: 14 Dec 2020 14:18

Instrument :
 BNA_N
 ClientSampleId :
 C0AE0DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	115.9	79.8	119.8
167	29.1	13.8	20.8

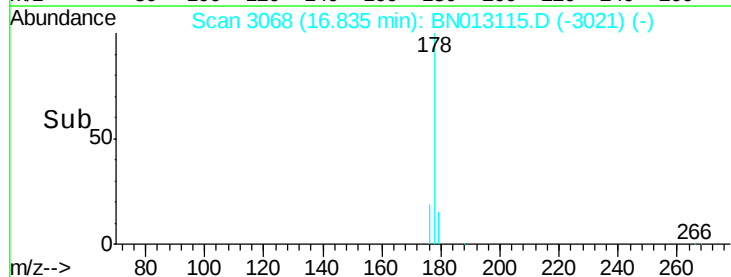
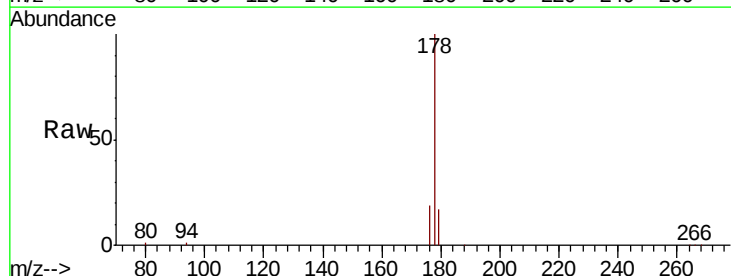
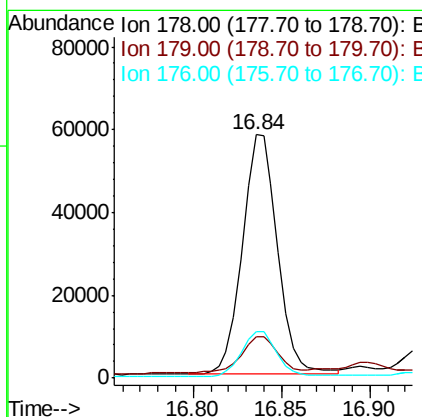
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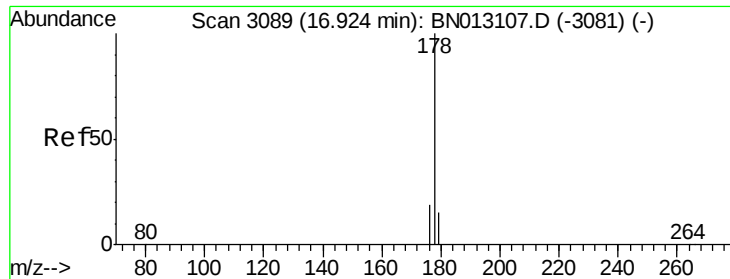
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#12
Phenanthrene
 Concen: 6.383 ng/ul
 RT: 16.84 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: BN013115.D
 Acq: 14 Dec 2020 14:18

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.1	13.6	20.4
176	19.3	16.4	24.6





#13

Anthracene

Concen: 0.655 ng/ul

RT: 16.93 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BN013115.D

Acq: 14 Dec 2020 14:18

Instrument :

BNA_N

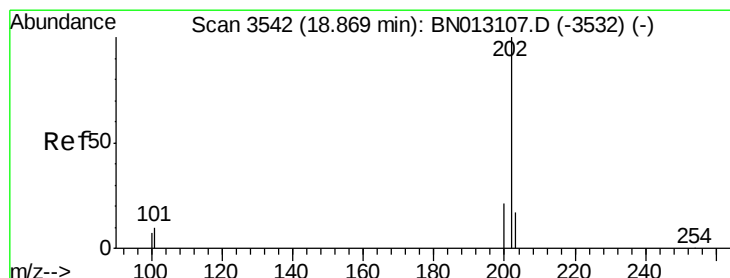
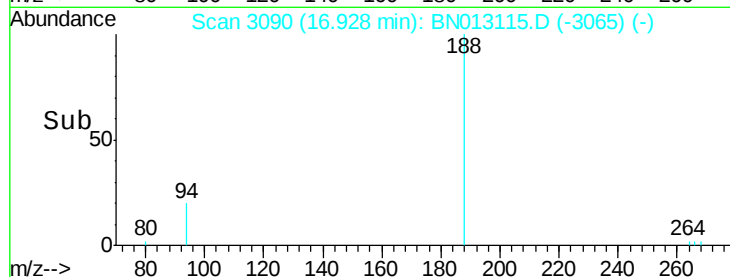
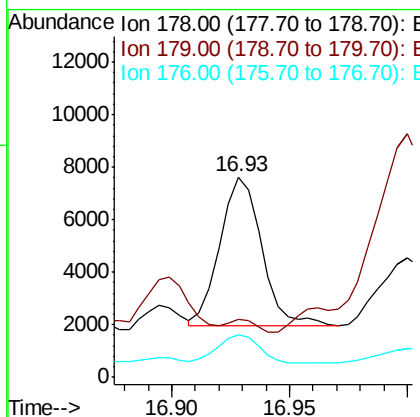
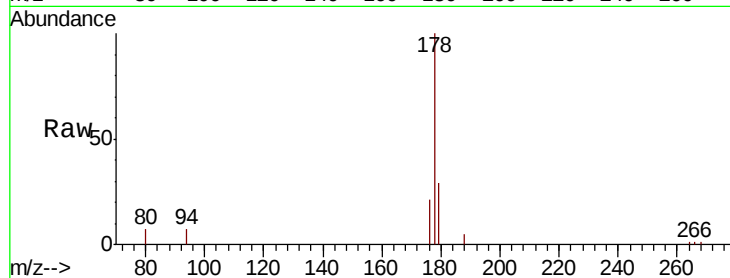
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
178	100		
179	29.2	14.6	21.8#
176	21.4	17.1	25.7

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#15

Fluoranthene

Concen: 0.924 ng/ul

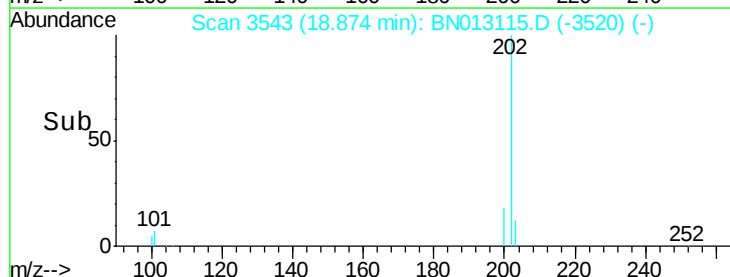
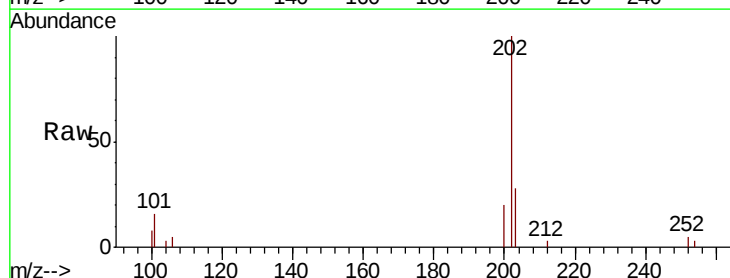
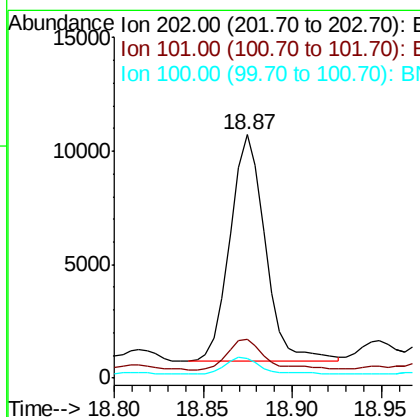
RT: 18.87 min Scan# 3543

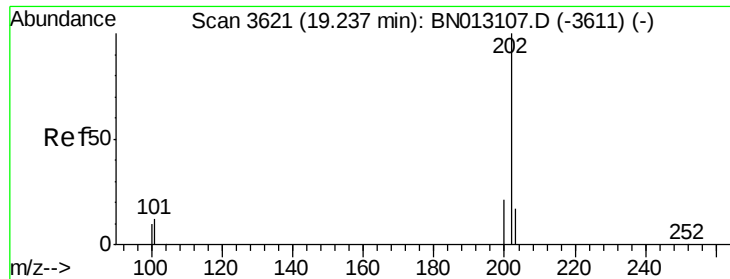
Delta R.T. 0.00 min

Lab File: BN013115.D

Acq: 14 Dec 2020 14:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	30.6
100	8.0	0.0	28.7





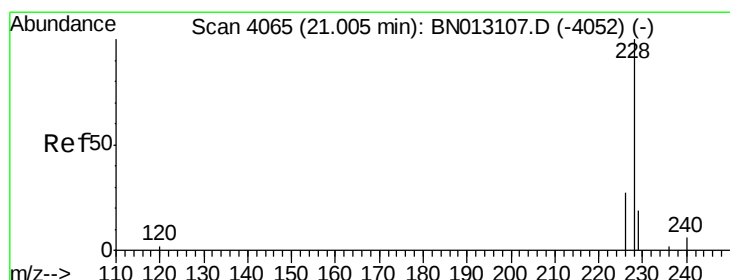
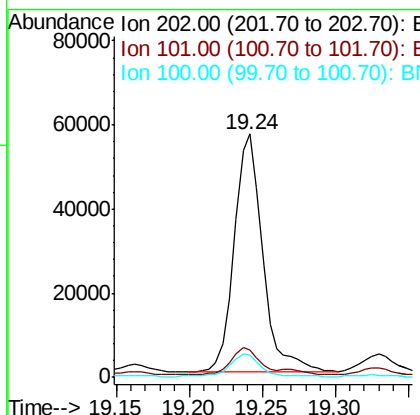
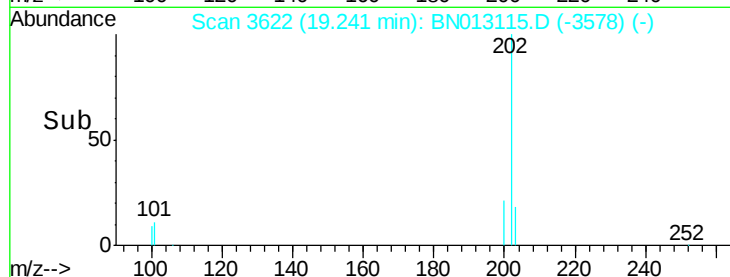
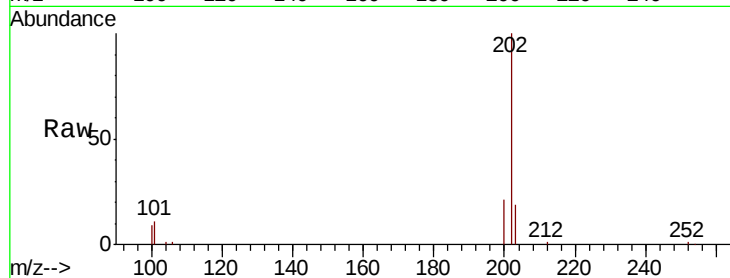
#17
 Pvrene
 Concen: 5.654 ng/ul
 RT: 19.24 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: BN013115.D
 Acq: 14 Dec 2020 14:18

Instrument :
 BNA_N
 ClientSampleId :
 C0AE0DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	9.1	13.7
100	8.9	7.5	11.3

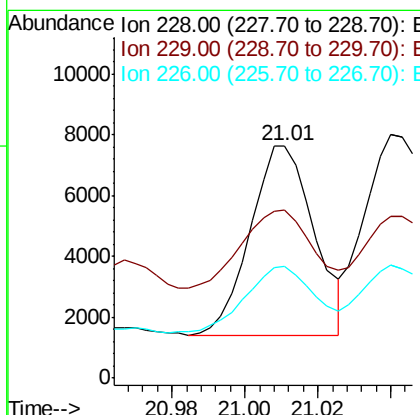
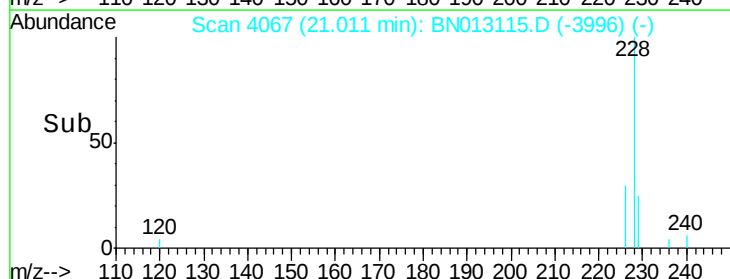
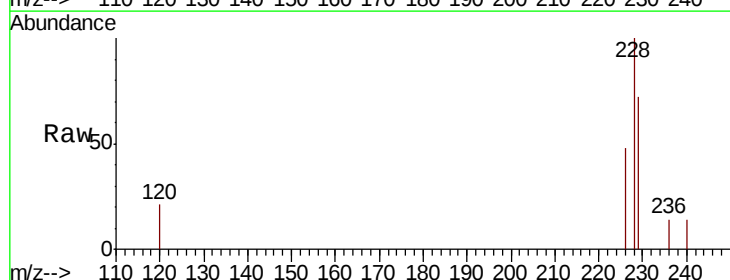
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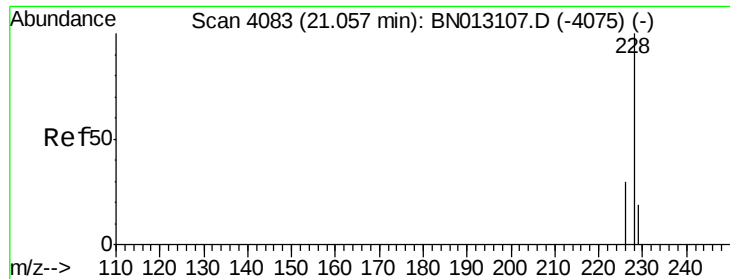
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#18
 Benzo(a)anthracene
 Concen: 0.637 ng/ul
 RT: 21.01 min Scan# 4067
 Delta R.T. 0.01 min
 Lab File: BN013115.D
 Acq: 14 Dec 2020 14:18

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	72.1	16.3	24.5#
226	48.0	23.4	35.2#





#19

Chrysene

Concen: 0.725 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. 0.01 min

Lab File: BN013115.D

Acq: 14 Dec 2020 14:18

Instrument :

BNA_N

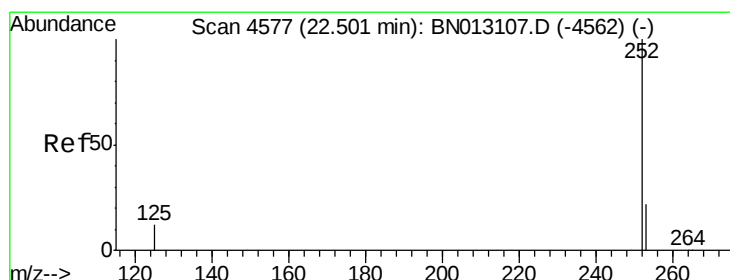
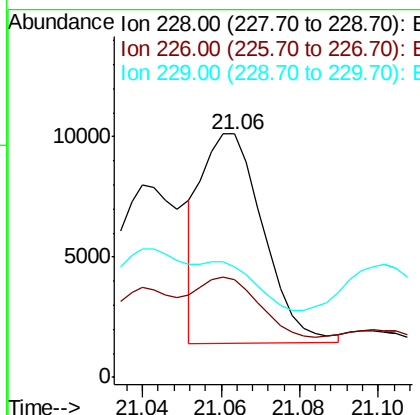
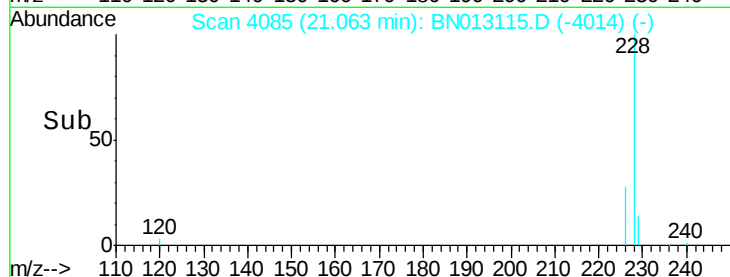
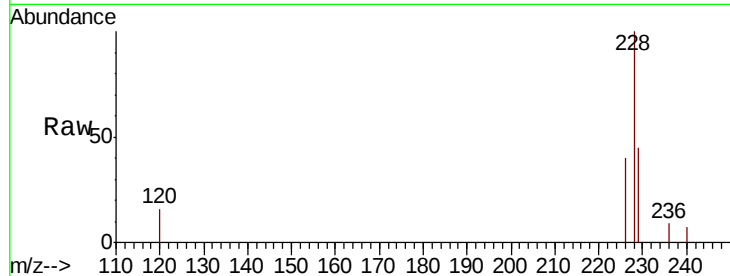
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Tot Ion:	228	Resp:	9511
Ion Ratio	Lower	Upper	
228	100		
226	40.1	25.0	37.6#
229	45.4	16.4	24.6#

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#21

Benzo(b)fluoranthene

Concen: 0.455 ng/ul m

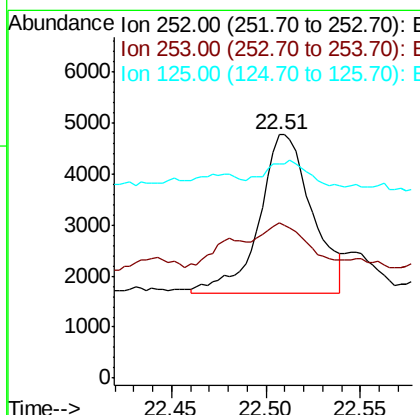
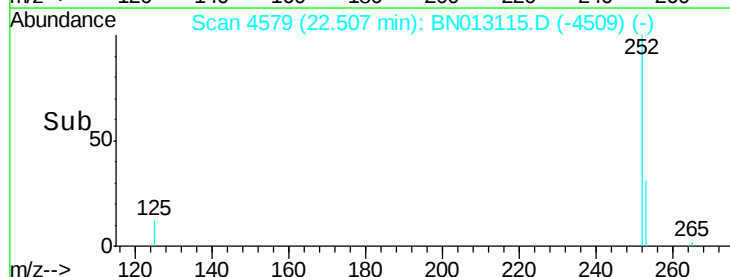
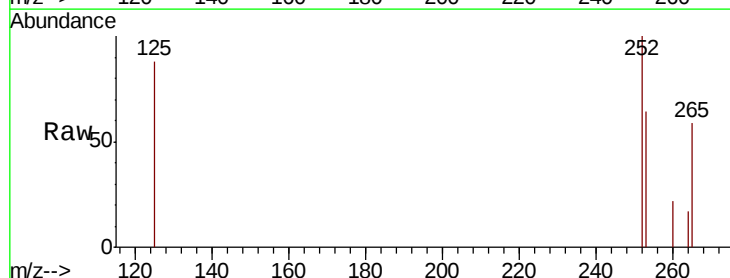
RT: 22.51 min Scan# 4579

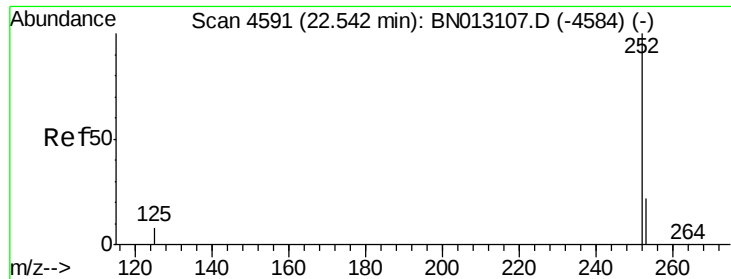
Delta R.T. 0.01 min

Lab File: BN013115.D

Acq: 14 Dec 2020 14:18

Tgt Ion:	252	Resp:	6081
Ion Ratio	Lower	Upper	
252	100		
253	63.7	0.0	59.6#
125	87.7	0.0	26.0#





#22

Benzo(k)fluoranthene

Concen: 0.064 ng/ul m

RT: 22.55 min Scan# 4593

Delta R.T. 0.01 min

Lab File: BN013115.D

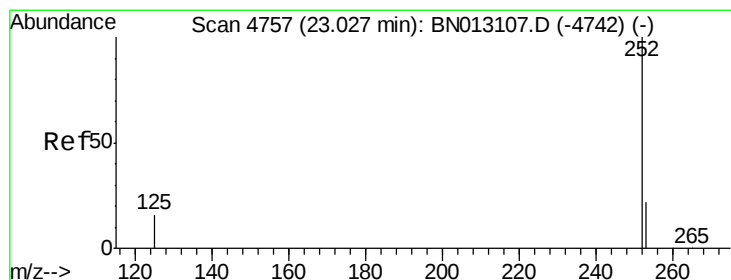
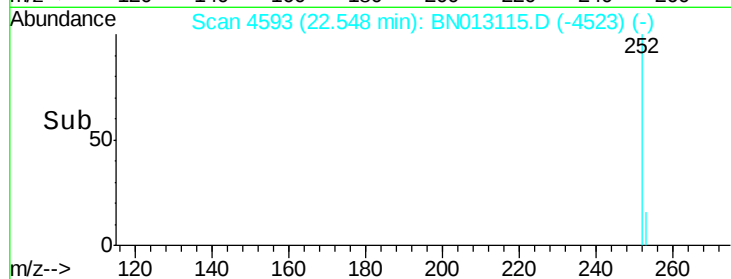
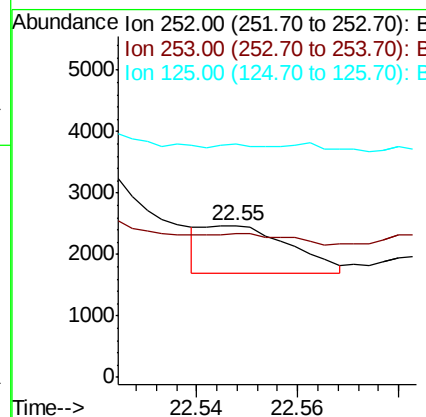
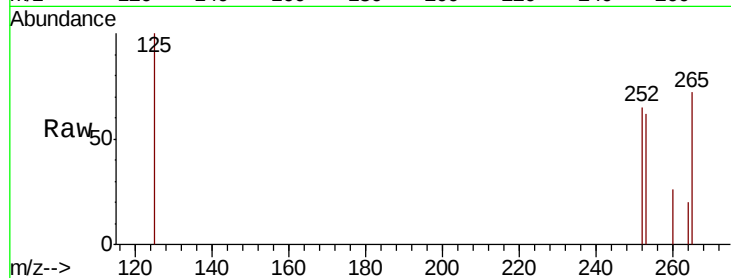
Acq: 14 Dec 2020 14:18

Instrument :
BNA_N
ClientSampleId :
C0AE0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	94.4	23.4	35.2#
125	153.2	11.1	16.7#

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#23

Benzo(a)pyrene

Concen: 0.366 ng/ul

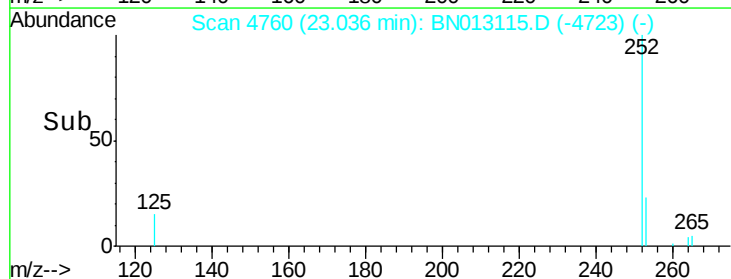
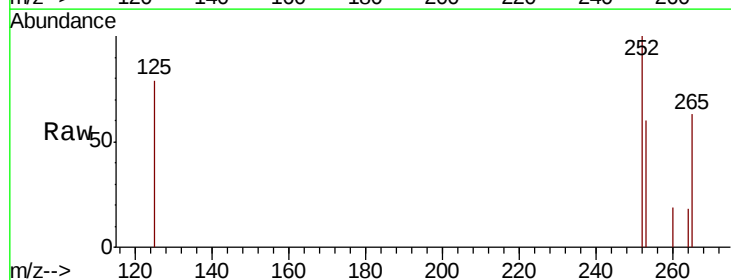
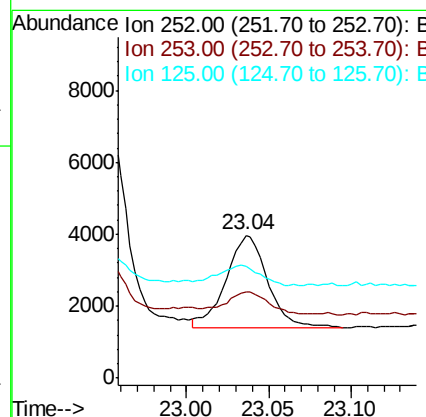
RT: 23.04 min Scan# 4760

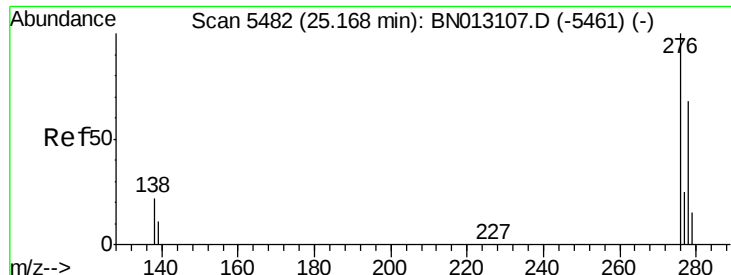
Delta R.T. 0.01 min

Lab File: BN013115.D

Acq: 14 Dec 2020 14:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	60.1	26.5	39.7#
125	78.7	14.2	21.2#





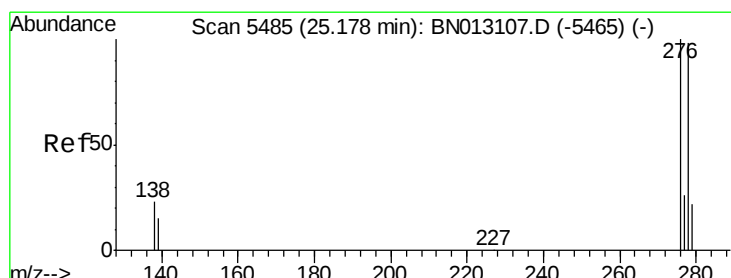
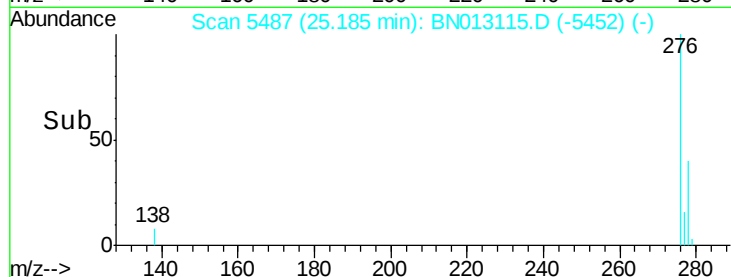
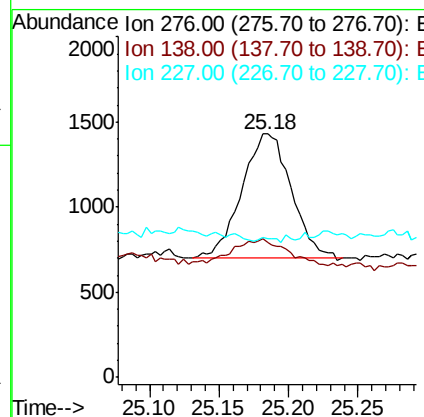
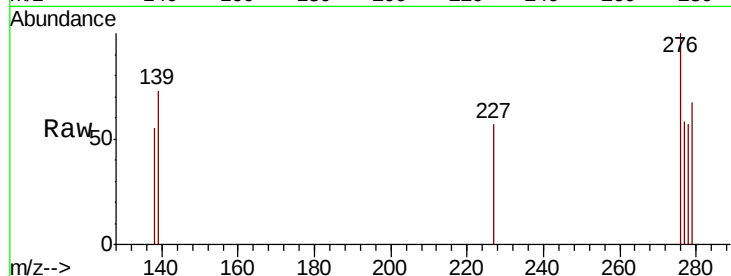
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.111 ng/uL
RT: 25.18 min Scan# 5487
Delta R.T. 0.02 min
Lab File: BN013115.D
Acq: 14 Dec 2020 14:18

Instrument :
BNA_N
ClientSampleId :
C0AE0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	16.2	24.2
227	1.3	0.0	0.0#

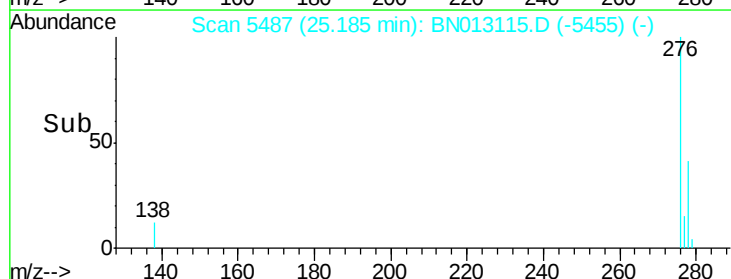
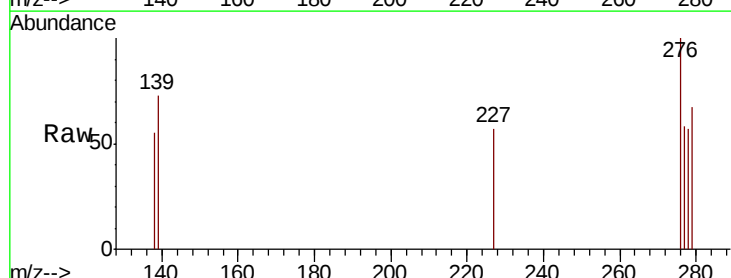
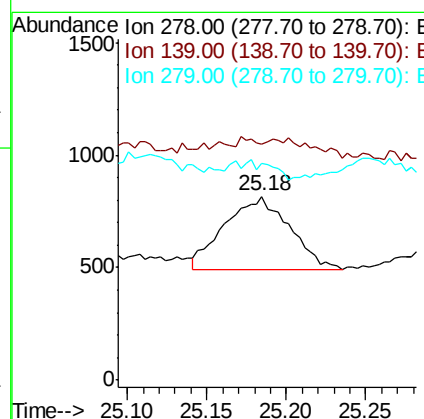
Manual Integrations
APPROVED

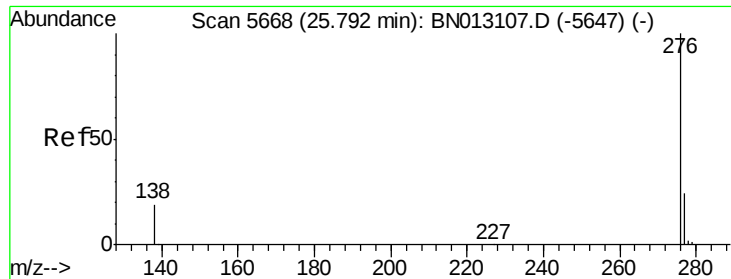
mohammad
12/15/2020 12:12:37 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.072 ng/uL
RT: 25.18 min Scan# 5487
Delta R.T. 0.01 min
Lab File: BN013115.D
Acq: 14 Dec 2020 14:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	128.4	14.5	21.7#
279	117.8	26.3	39.5#





#26
 Benzo(a,h,i)perylene
 Concen: 0.230 ng/ul
 RT: 25.82 min Scan# 5675
 Delta R.T. 0.02 min
 Lab File: BN013115.D
 Acq: 14 Dec 2020 14:18

Instrument :
 BNA_N
 ClientSampleId :
 C0AE0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	43.6	16.3	24.5#
277	50.7	21.8	32.6#

Manual Integrations
 APPROVED

mohammad
 12/15/2020 12:12:37 PM

