

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112119\
 Data File : BN008700.D
 Acq On : 22 Nov 2019 06:04
 Operator : JU
 Sample : K5854-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AB7

Manual Integrations
 APPROVED

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 11/22/2019 1:24:30 PM

Quant Time: Nov 22 07:41:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 22 07:12:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	4440	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	16368	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	9146	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	18652	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	15107	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	15471	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	4102	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	9730	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	9998	0.203	ng/ul	99
5) 2-Methylnaphthalene	12.03	142	11637	0.338	ng/ul	100
7) Acenaphthylene	13.95	152	1522	0.030	ng/ul#	83
8) Acenaphthene	14.29	153	1238	0.033	ng/ul	94
9) Fluorene	15.29	166	2610	0.059	ng/ul#	92
12) Phenanthrene	17.02	178	27344	0.435	ng/ul	98
13) Anthracene	17.11	178	5114	0.086	ng/ul	94
15) Fluoranthene	19.04	202	42585	0.551	ng/ul	93
17) Pyrene	19.40	202	37102	0.612	ng/ul	95
18) Benzo(a)anthracene	21.15	228	18575	0.306	ng/ul	94
19) Chrysene	21.21	228	21562m	0.361	ng/ul	
21) Benzo(b)fluoranthene	22.70	252	28472m	0.446	ng/ul	
22) Benzo(k)fluoranthene	22.73	252	8709m	0.138	ng/ul	
23) Benzo(a)pyrene	23.24	252	16720	0.279	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.47	276	13086	0.187	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.48	278	3277	0.058	ng/ul#	1
26) Benzo(a,h,i)perylene	26.12	276	13436	0.229	ng/ul#	84

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

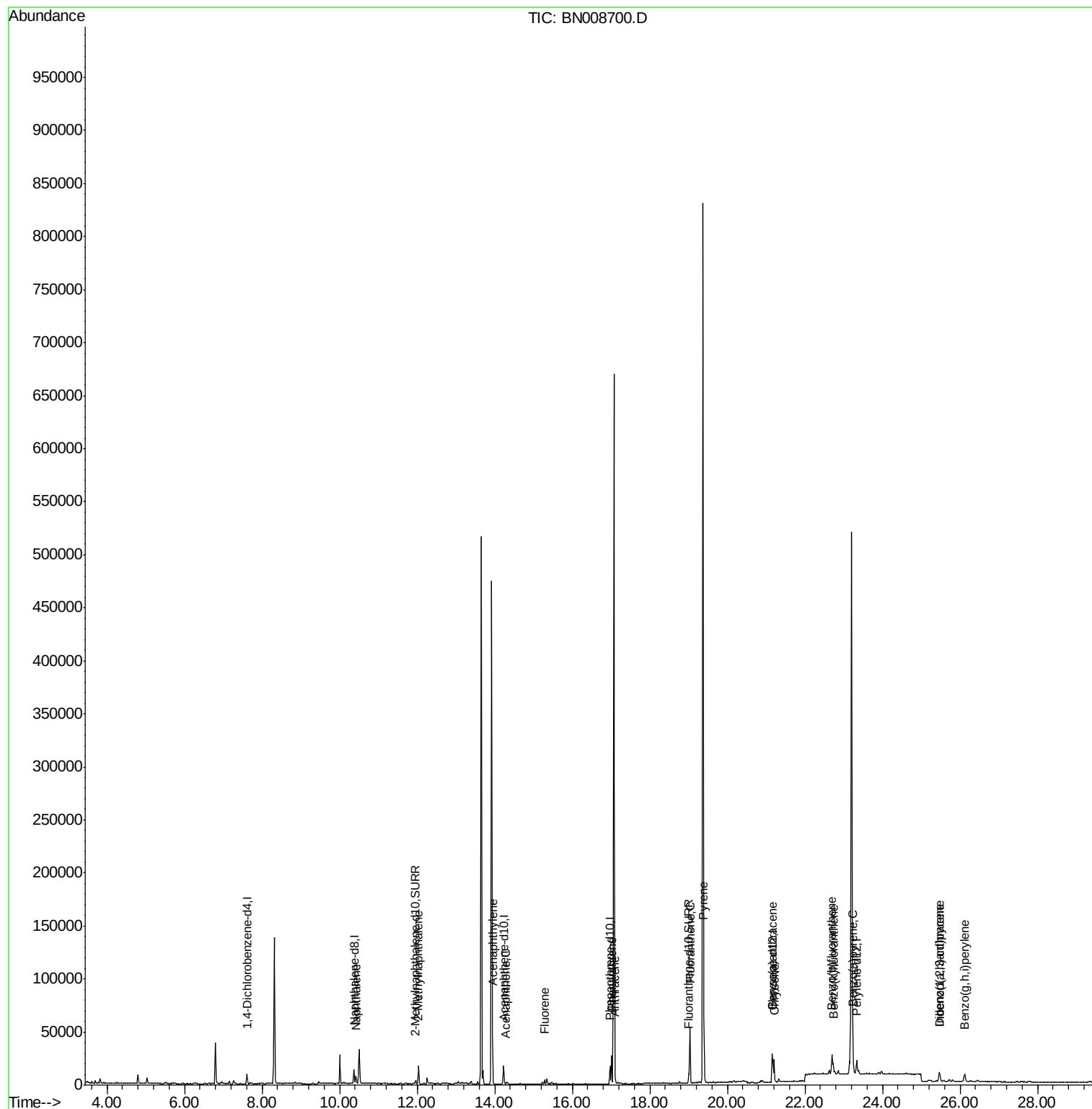
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112119\
Data File : BN008700.D
Acq On : 22 Nov 2019 06:04
Operator : JU
Sample : K5854-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

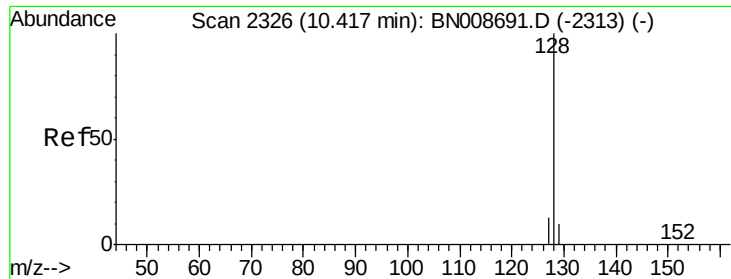
Instrument :
BNA_N
ClientSampleId :
C0AB7

Manual Integrations
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11/22/2019 1:24:30 PM

Quant Time: Nov 22 07:41:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 07:12:34 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.203 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

ClientSampleId :

C0AB7

Tot Ion:128 Resp: 9998

Ion Ratio Lower Upper

128 100

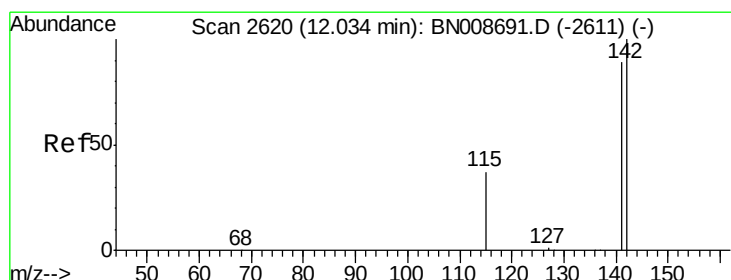
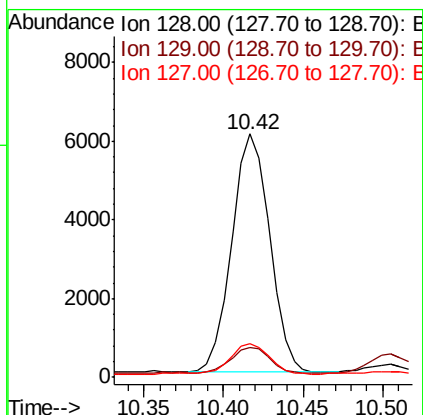
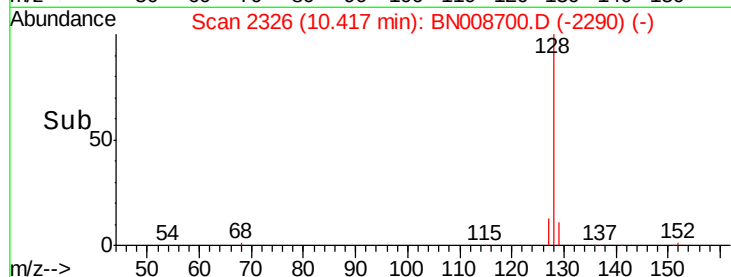
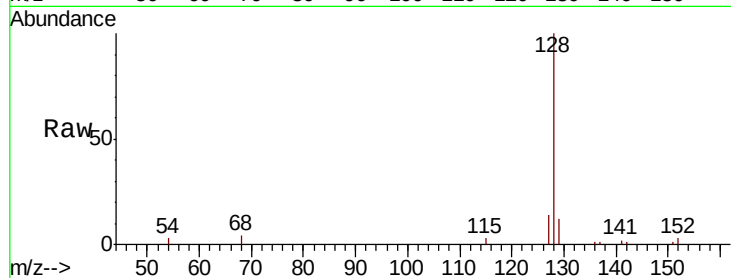
129 12.3 9.7 14.5

127 13.9 10.8 16.2

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#5

2-Methylnaphthalene

Concen: 0.338 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BN008700.D

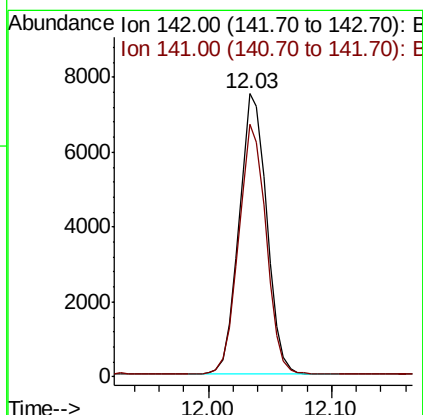
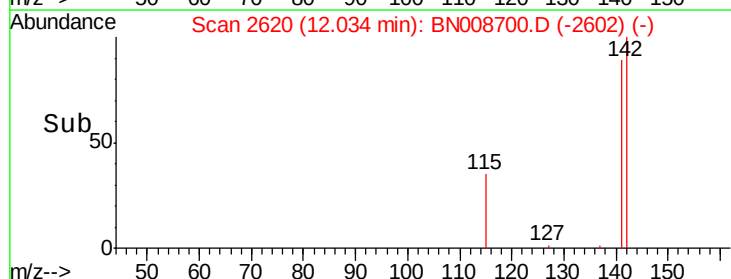
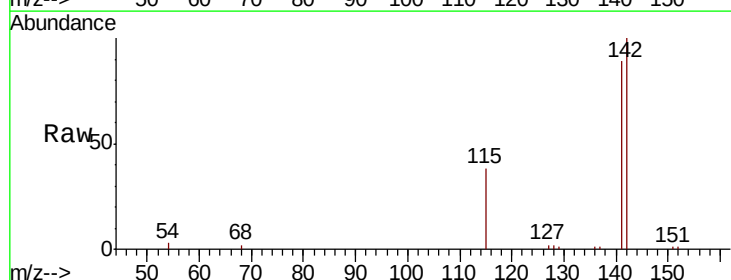
Acq: 22 Nov 2019 06:04

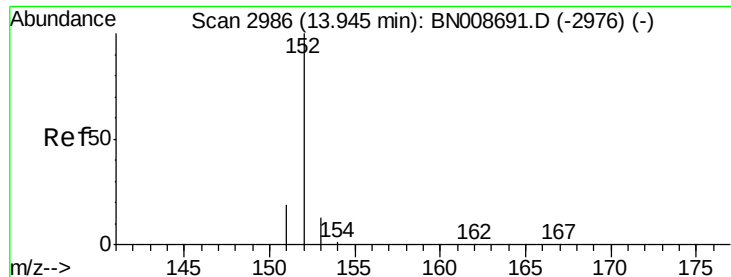
Tgt Ion:142 Resp: 11637

Ion Ratio Lower Upper

142 100

141 87.7 70.5 105.7





#7

Acenaphthylene

Concen: 0.030 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. 0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

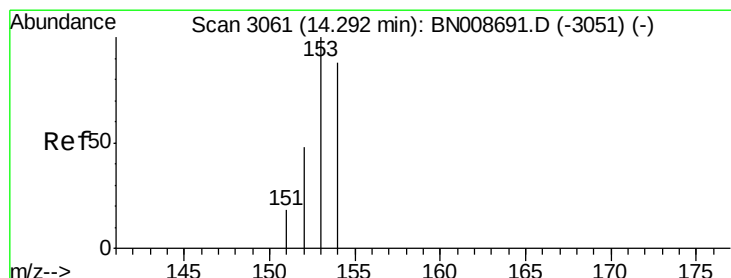
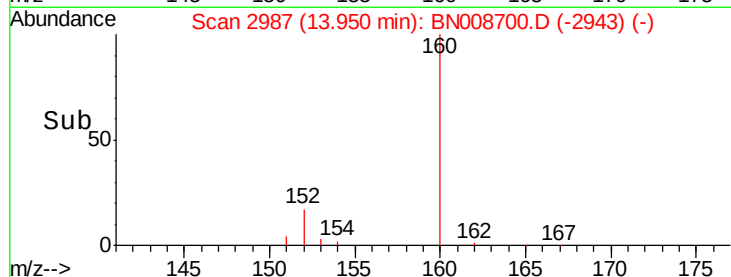
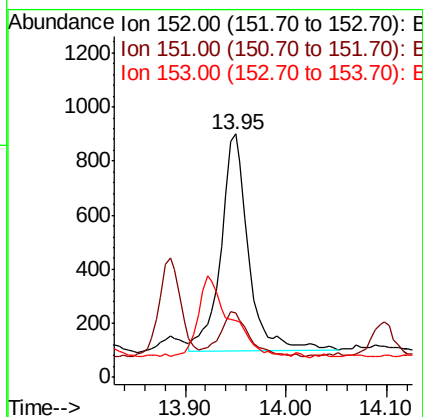
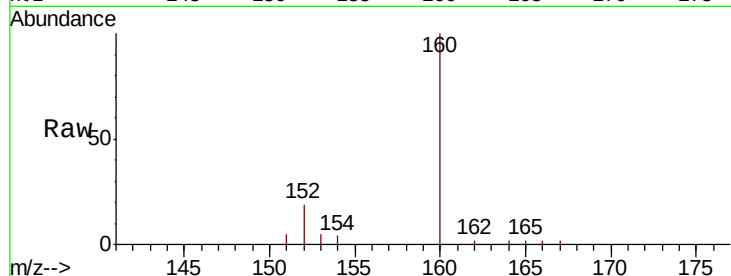
ClientSampleId :

C0AB7

Tot Ion:	152	Resp:	1522
Ion Ratio	Lower	Upper	
152	100		
151	26.4	16.6	24.8#
153	23.5	11.1	16.7#

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#8

Acenaphthene

Concen: 0.033 ng/ul

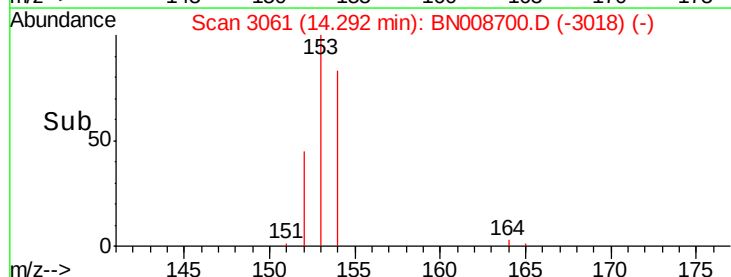
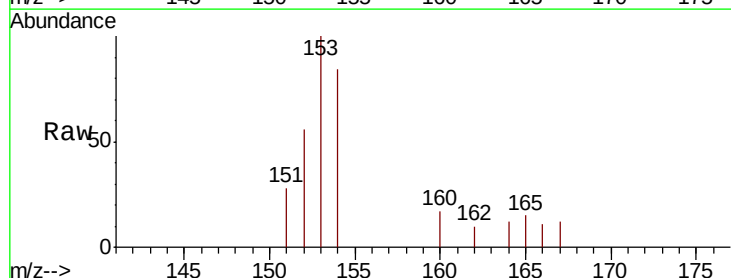
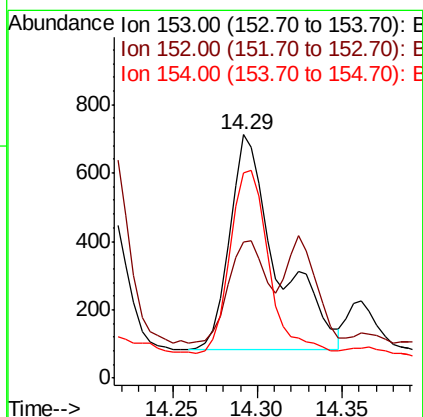
RT: 14.29 min Scan# 3061

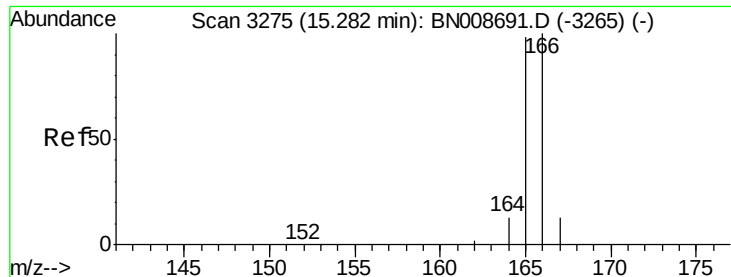
Delta R.T. -0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Tgt Ion:	153	Resp:	1238
Ion Ratio	Lower	Upper	
153	100		
152	56.2	39.6	59.4
154	84.3	70.6	106.0





#9

Fluorene

Concen: 0.059 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

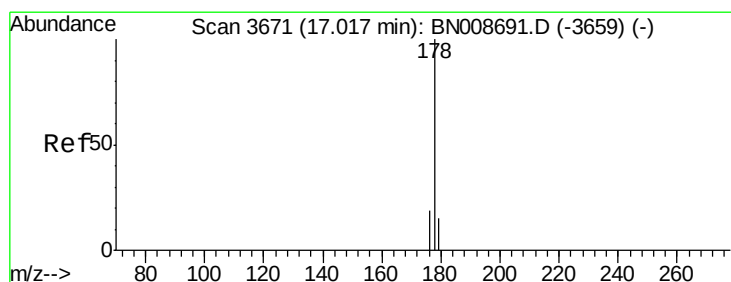
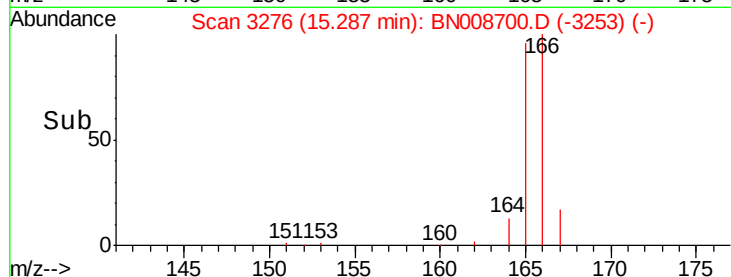
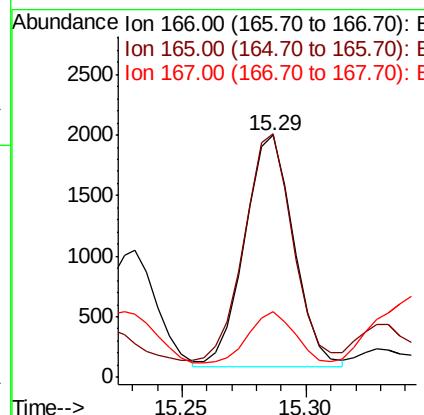
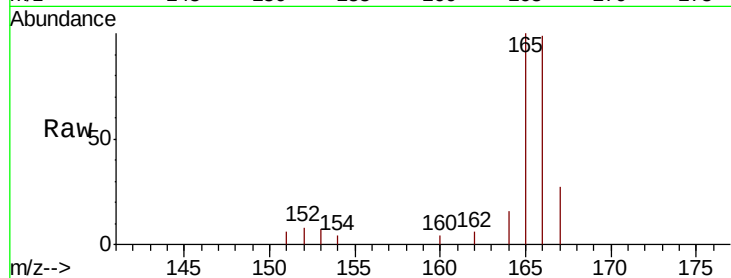
ClientSampleId :

C0AB7

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.4	116.0
167	27.3	11.4	17.0

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#12

Phenanthrene

Concen: 0.435 ng/ul

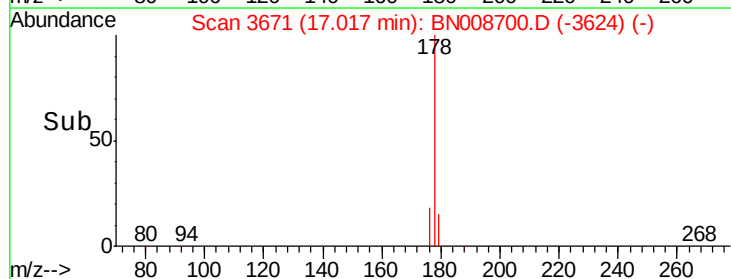
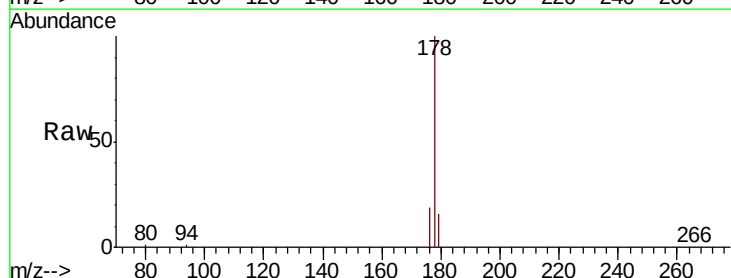
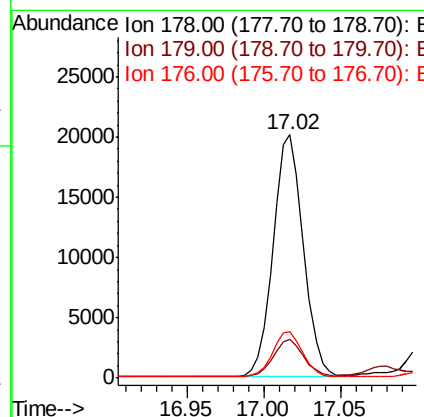
RT: 17.02 min Scan# 3671

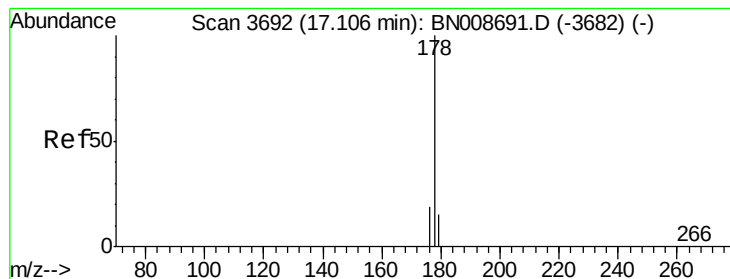
Delta R.T. -0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.8	19.2
176	18.8	16.0	24.0





#13

Anthracene

Concen: 0.086 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

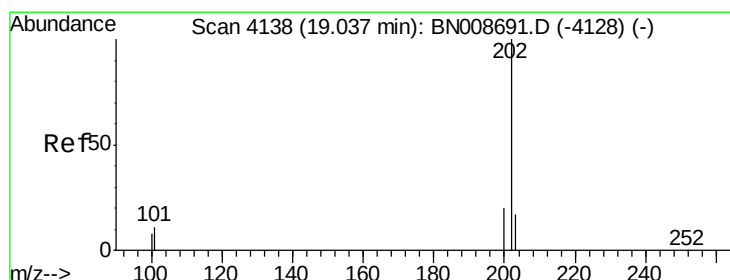
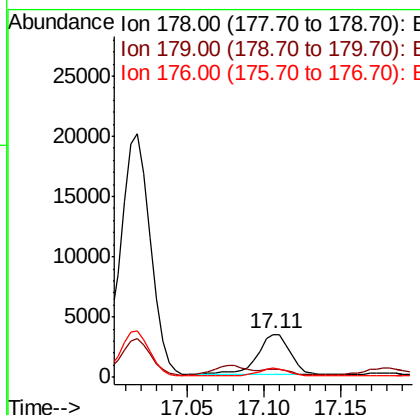
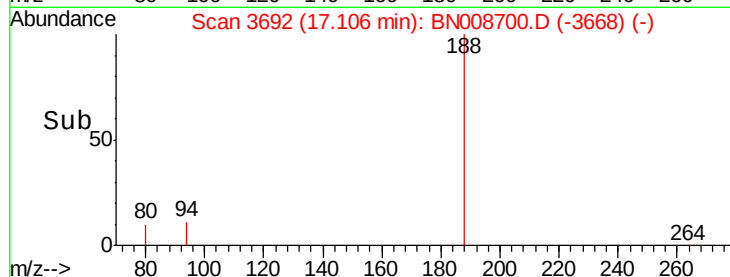
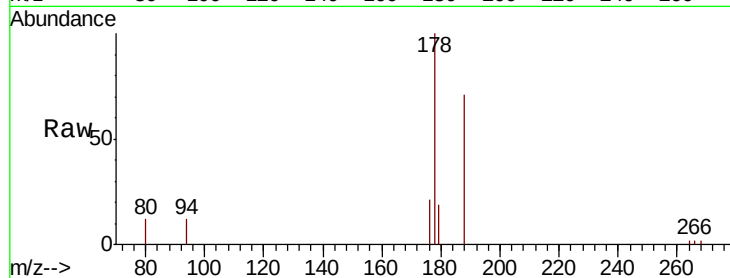
ClientSampleId :

C0AB7

Tot Ion:	178	Resp:	5114
Ion Ratio	Lower	Upper	
178	100		
179	19.2	13.0	19.4
176	21.0	15.3	22.9

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#15

Fluoranthene

Concen: 0.551 ng/ul

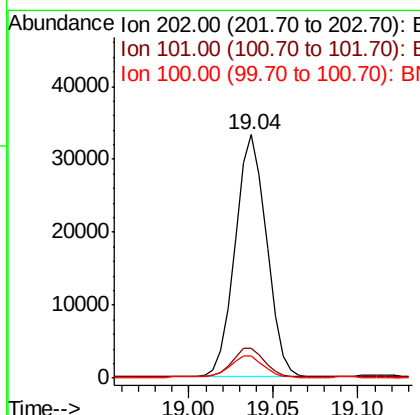
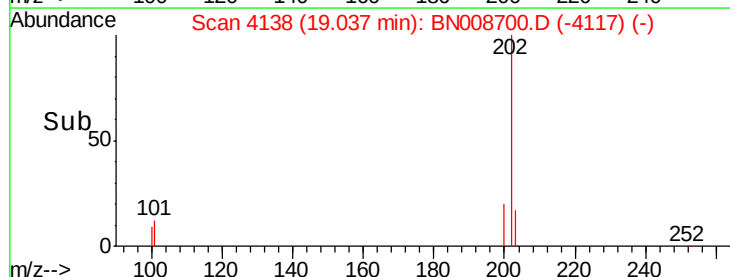
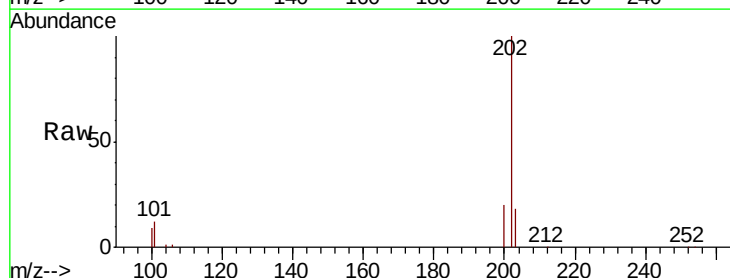
RT: 19.04 min Scan# 4138

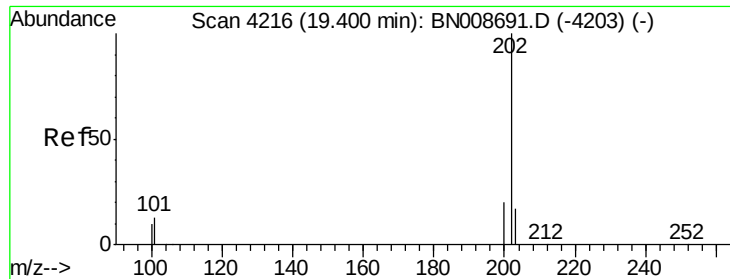
Delta R.T. -0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Tgt Ion:	202	Resp:	42585
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	29.6
100	9.1	0.0	27.0





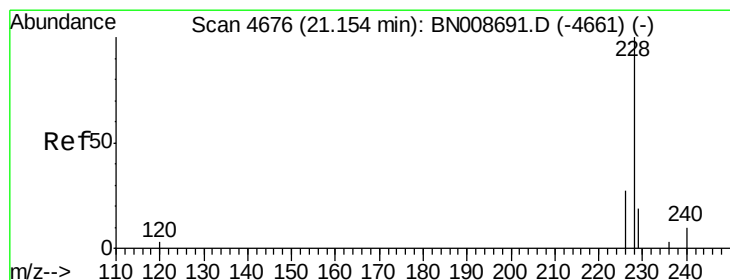
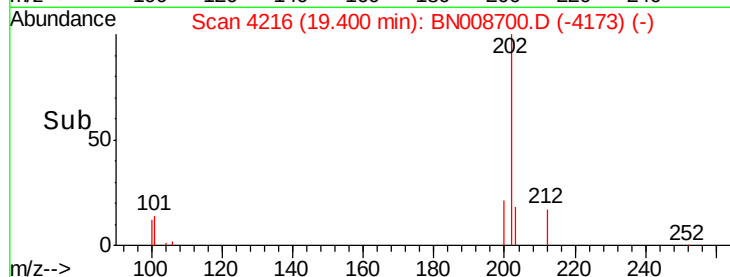
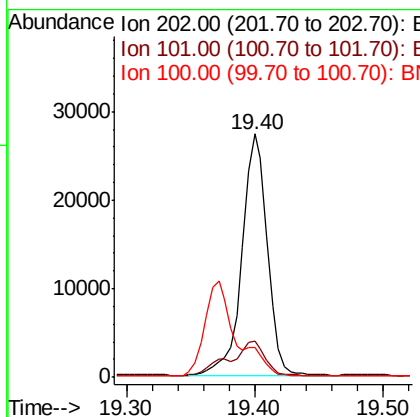
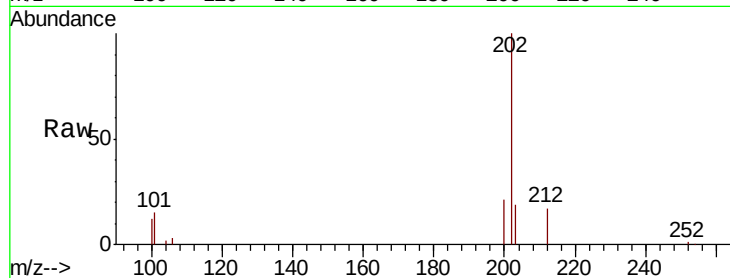
#17
 Pyrene
 Concen: 0.612 ng/ul
 RT: 19.40 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: BN008700.D
 Acq: 22 Nov 2019 06:04

Instrument :
 BNA_N
 ClientSampleId :
 C0AB7

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.9	10.2	15.2
100	12.2	8.2	12.2

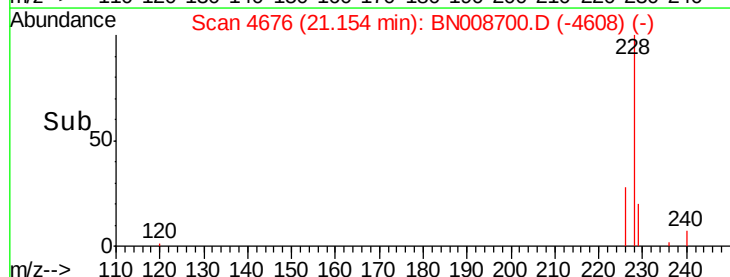
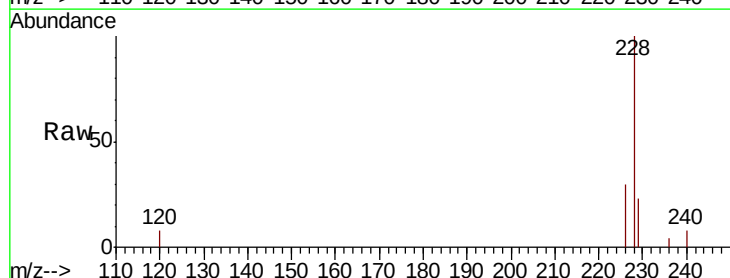
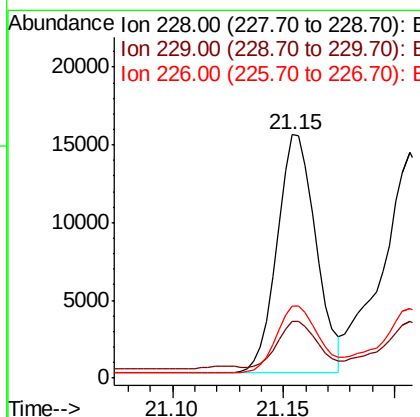
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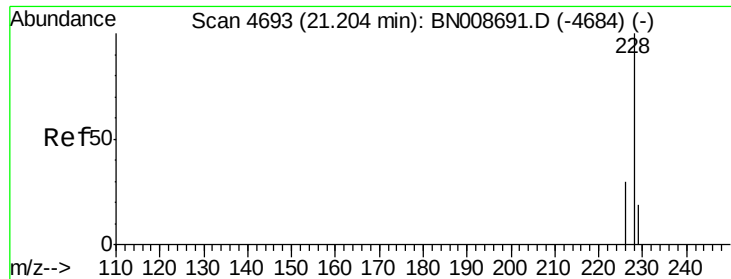
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#18
 Benzo(a)anthracene
 Concen: 0.306 ng/ul
 RT: 21.15 min Scan# 4676
 Delta R.T. -0.00 min
 Lab File: BN008700.D
 Acq: 22 Nov 2019 06:04

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.1	15.8	23.6
226	29.9	21.6	32.4





#19

Chrysene

Concen: 0.361 ng/ul m

RT: 21.21 min Scan# 4694

Delta R.T. 0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

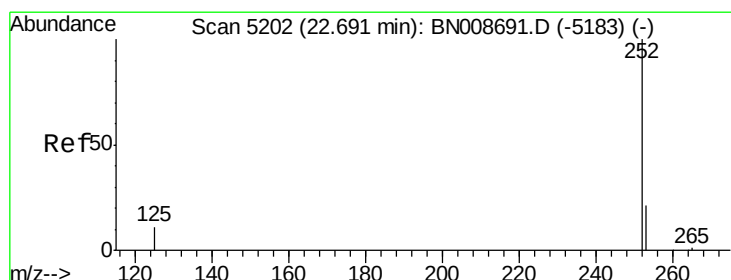
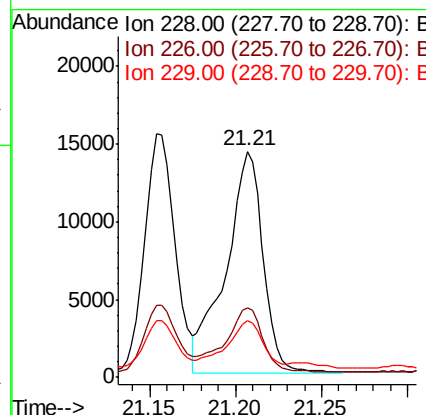
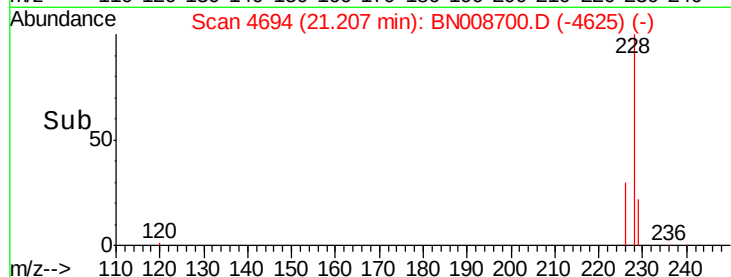
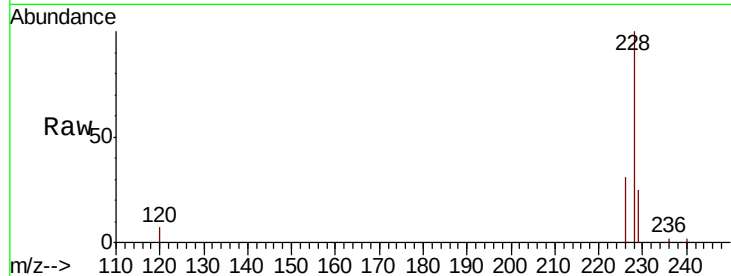
ClientSampleId :

C0AB7

Tot Ion:	228	Resp:	21562
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.5	36.7
229	25.3	15.5	23.3#

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#21

Benzo(b)fluoranthene

Concen: 0.446 ng/ul m

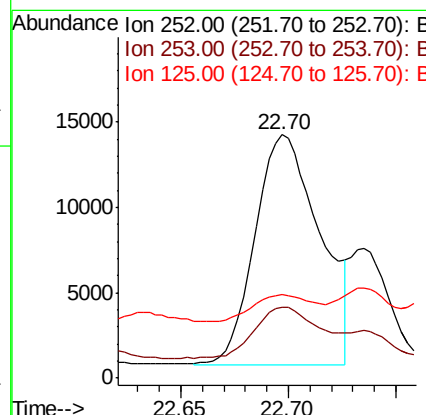
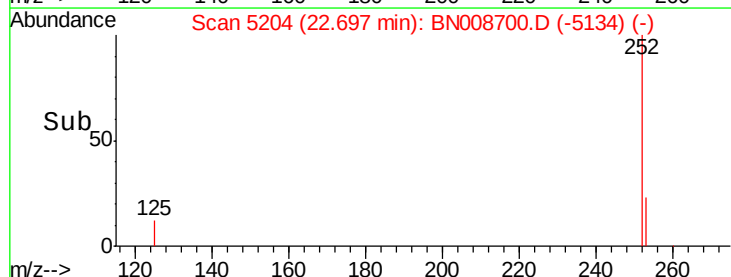
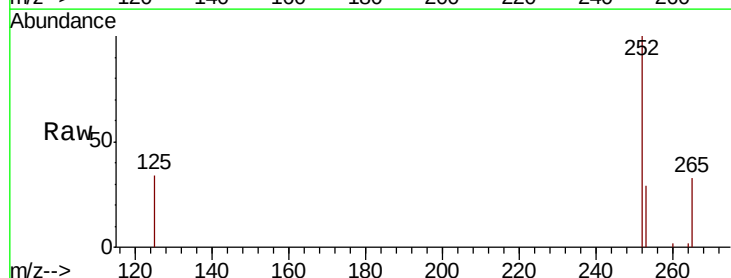
RT: 22.70 min Scan# 5204

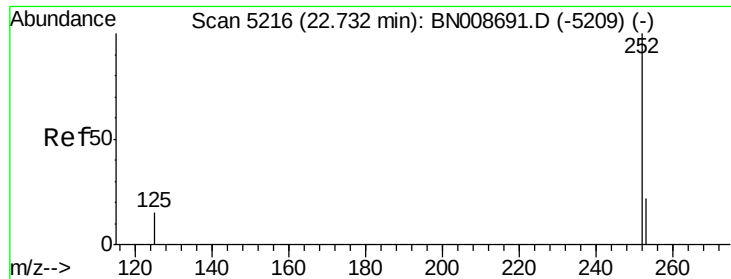
Delta R.T. 0.01 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Tgt Ion:	252	Resp:	28472
Ion Ratio	Lower	Upper	
252	100		
253	29.3	0.0	50.2
125	34.2	0.0	30.0#





#22

Benzo(k)fluoranthene

Concen: 0.138 ng/ul m

RT: 22.73 min Scan# 5217

Delta R.T. 0.00 min

Lab File: BN008700.D

Acq: 22 Nov 2019 06:04

Instrument :

BNA_N

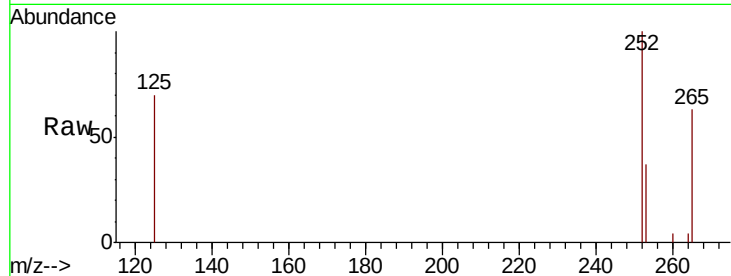
ClientSampled :

C0AB7

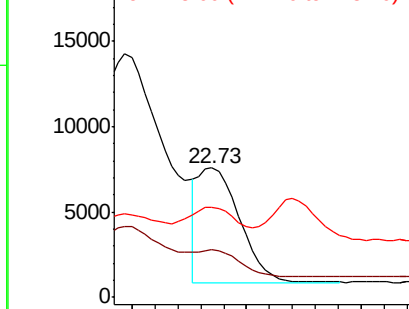
Tot Ion:	252	Resp:	8709
Ion Ratio	Lower	Upper	
252	100		
253	36.7	20.5	30.7#
125	69.9	15.0	22.4#

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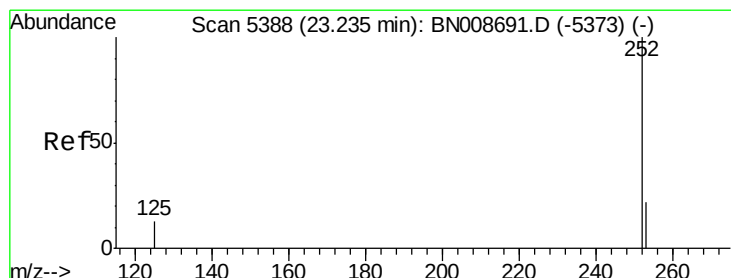
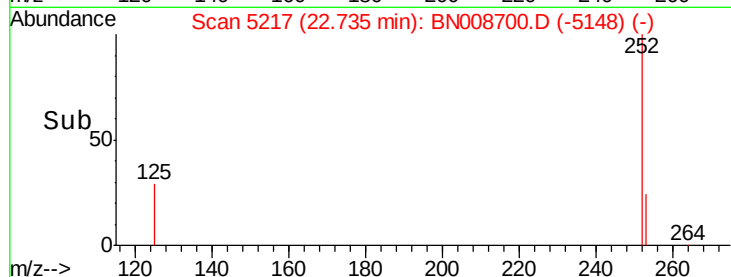
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#23

Benzo(a)pyrene

Concen: 0.279 ng/ul

RT: 23.24 min Scan# 5391

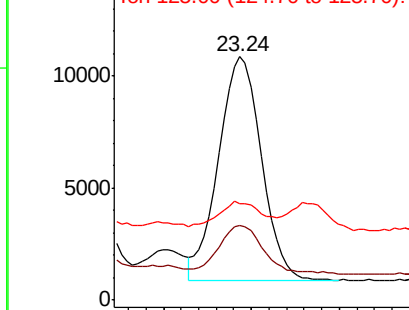
Delta R.T. 0.01 min

Lab File: BN008700.D

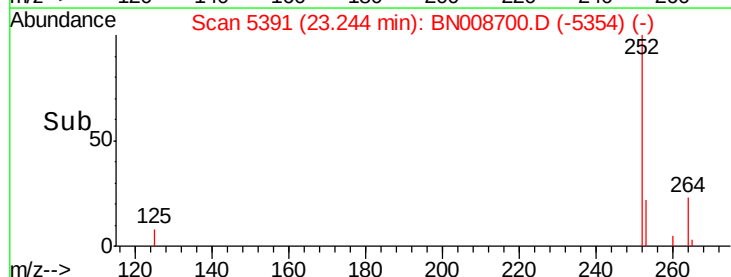
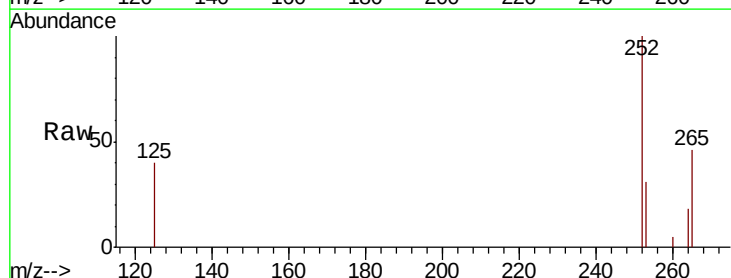
Acq: 22 Nov 2019 06:04

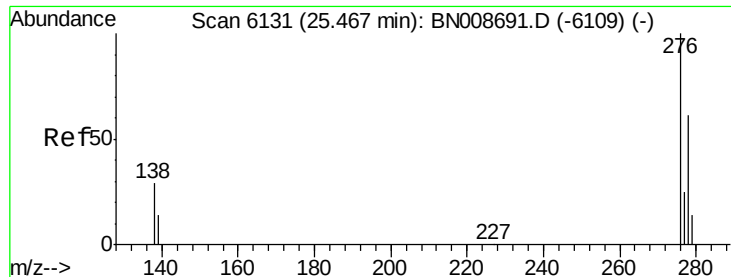
Tgt Ion:	252	Resp:	16720
Ion Ratio	Lower	Upper	
252	100		
253	30.6	21.4	32.2
125	39.5	13.8	20.8#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





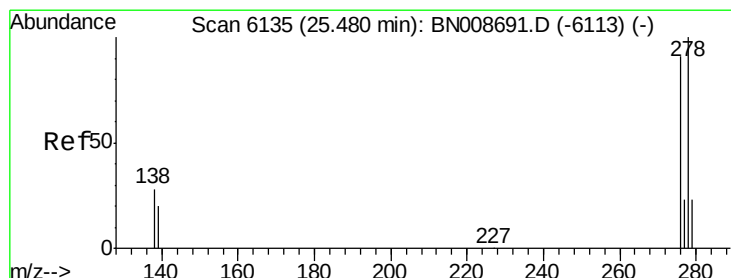
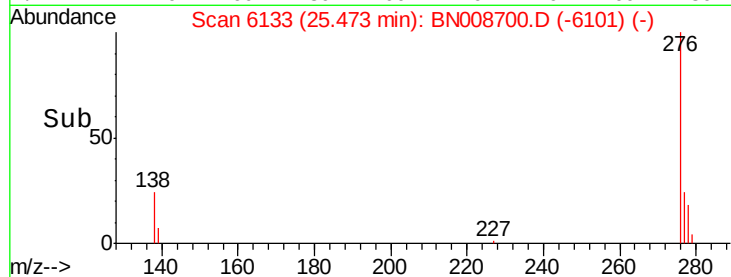
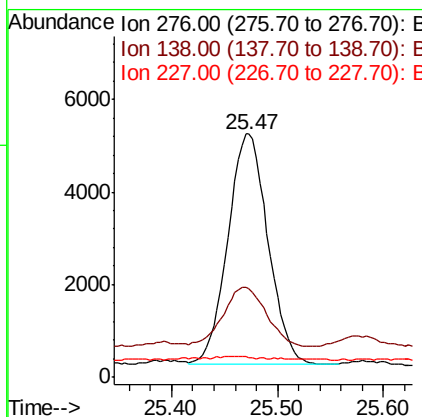
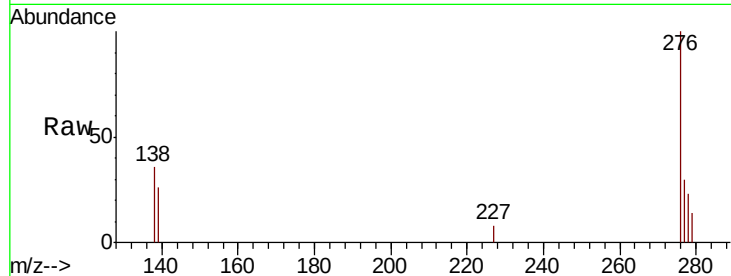
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.187 ng/ul
RT: 25.47 min Scan# 6133
Delta R.T. 0.01 min
Lab File: BN008700.D
Acq: 22 Nov 2019 06:04

Instrument :
BNA_N
ClientSampleId :
C0AB7

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.7	32.5
227	0.0	0.2	0.2

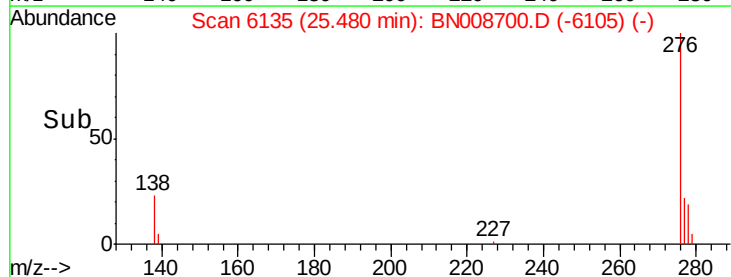
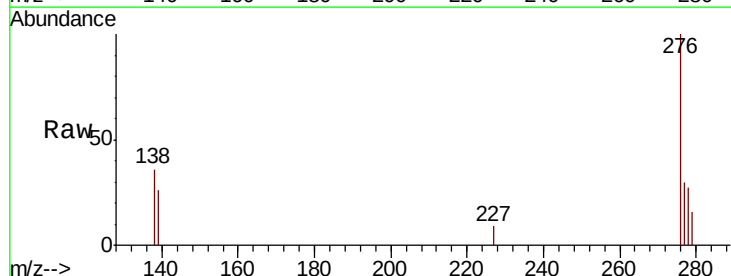
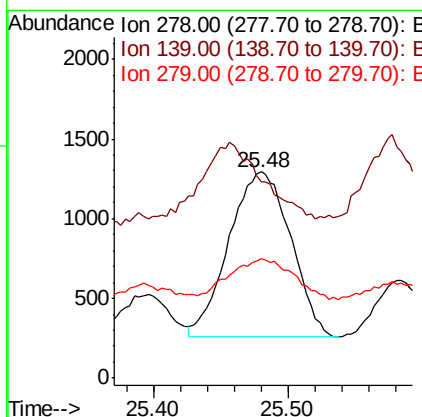
Manual Integrations
APPROVED

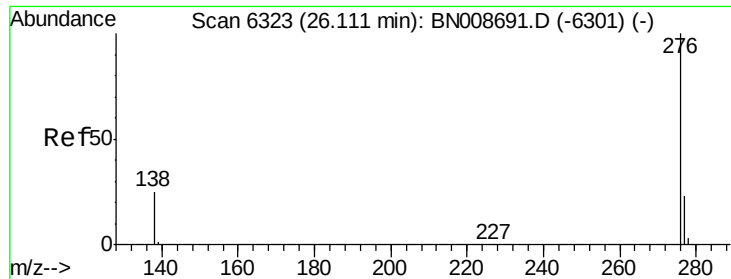
mohammad
11/22/2019 1:24:30 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 25.48 min Scan# 6135
Delta R.T. -0.00 min
Lab File: BN008700.D
Acq: 22 Nov 2019 06:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	95.4	18.7	28.1
279	57.7	20.8	31.2





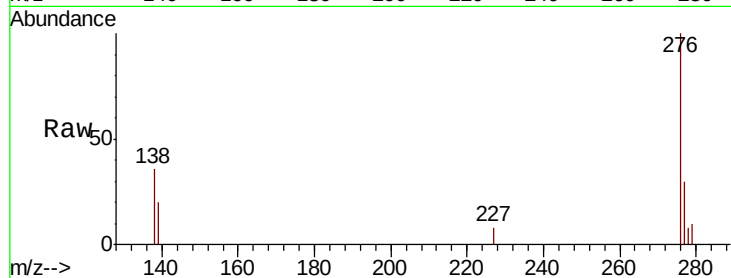
#26
Benzo(a,h,i)perylene
Concen: 0.229 ng/ul
RT: 26.12 min Scan# 6327
Delta R.T. 0.01 min
Lab File: BN008700.D
Acq: 22 Nov 2019 06:04

Instrument :
BNA_N
ClientSampleId :
C0AB7

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.2	20.0	30.0#
277	29.9	20.0	30.0

Manual Integrations
APPROVED

mohammad
11/22/2019 1:24:30 PM



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

