

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072920\
 Data File : BN011289.D
 Acq On : 29 Jul 2020 10:21
 Operator : CG/JU
 Sample : L3388-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AD0

Manual Integrations
 APPROVED

mohammad
 7/30/2020 3:35:23 PM

Quant Time: Jul 29 11:28:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN072020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 11:20:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1423	0.40	ng/ul	0.00
2) Naphthalene-d8	10.22	136	4807	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	2890	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.87	188	7090m	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	6046	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	4846	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.82	152	1708	0.15	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	4684	0.15	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.27	128	2904	0.202	ng/ul	99
5) 2-Methylnaphthalene	11.90	142	731	0.078	ng/ul	99
7) Acenaphthylene	13.82	152	1216	0.087	ng/ul#	89
8) Acenaphthene	14.17	153	2238	0.203	ng/ul	99
9) Fluorene	15.17	166	2001	0.160	ng/ul#	99
12) Phenanthrene	16.90	178	52963	2.266	ng/ul	98
13) Anthracene	17.00	178	10352	0.538	ng/ul	98
15) Fluoranthene	18.93	202	114256	4.376	ng/ul	99
17) Pyrene	19.30	202	93794	2.906	ng/ul	100
18) Benzo(a)anthracene	21.06	228	57139	2.673	ng/ul	98
19) Chrysene	21.11	228	54075	1.902	ng/ul	98
21) Benzo(b)fluoranthene	22.58	252	66688m	3.187	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	25761m	1.073	ng/ul	
23) Benzo(a)pyrene	23.12	252	37638	2.138	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.28	276	26480	1.277	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.29	278	7597	0.486	ng/ul	94
26) Benzo(a,h,i)perylene	25.91	276	17940	0.870	ng/ul	98

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

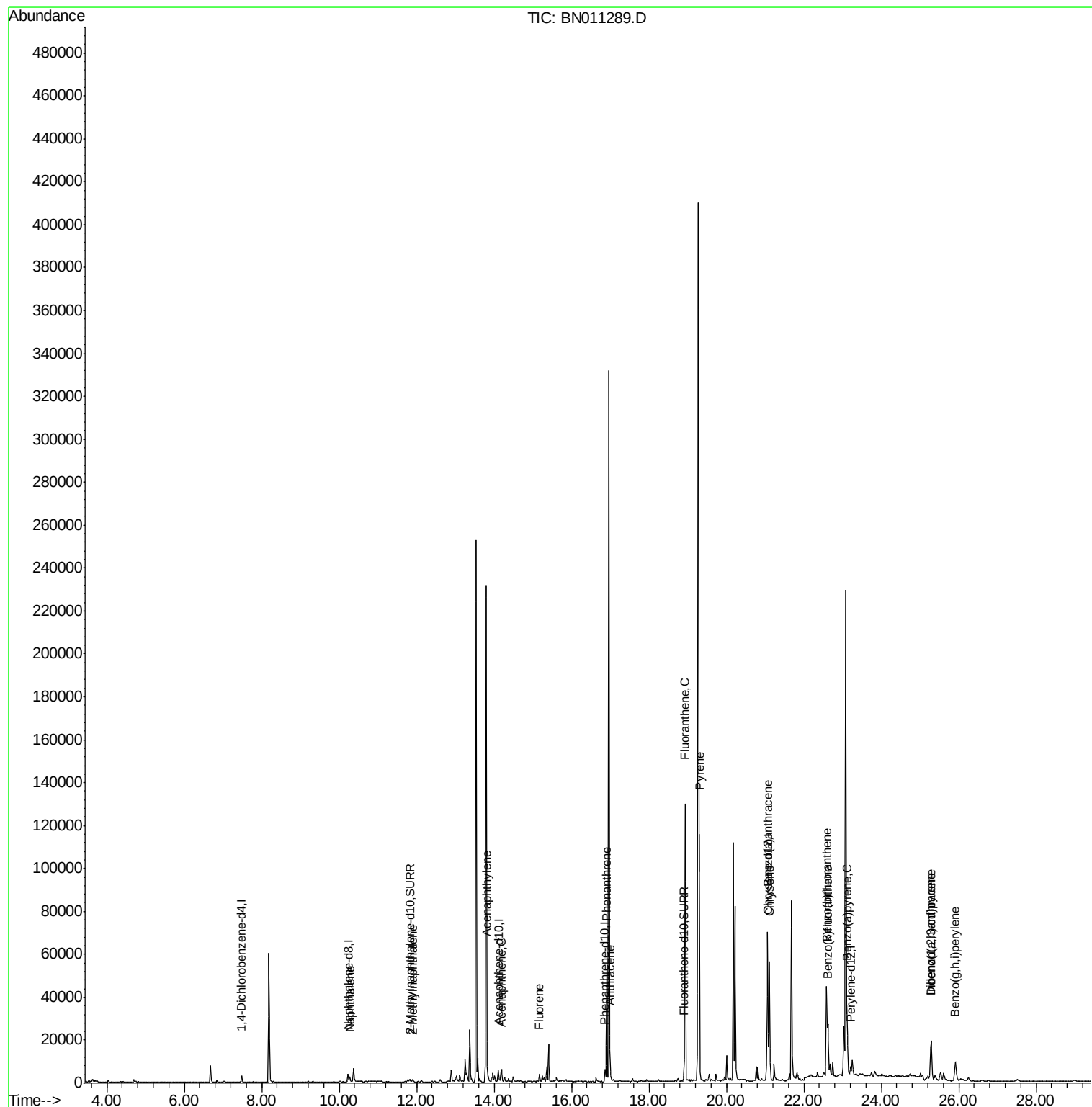
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072920\
Data File : BN011289.D
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ALS Vial : 4 Sample Multiplier: 1

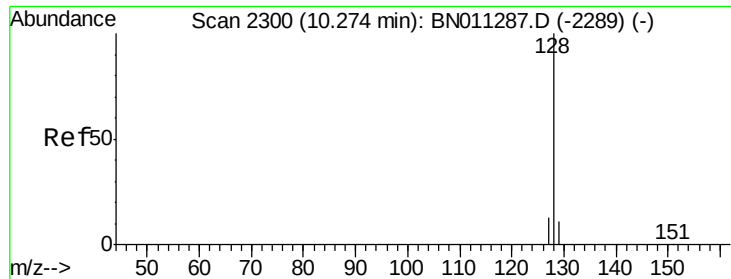
Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN072020.M
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QLast Update : Wed Jul 29 11:20:12 2020
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#3

Naphthalene

Concen: 0.202 ng/ul

RT: 10.27 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

Instrument :

BNA_N

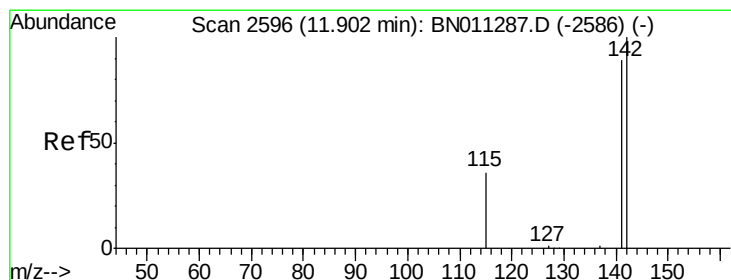
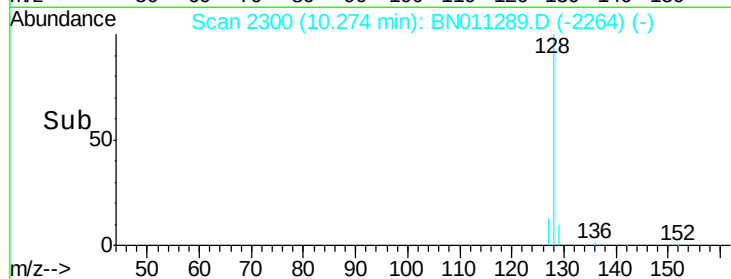
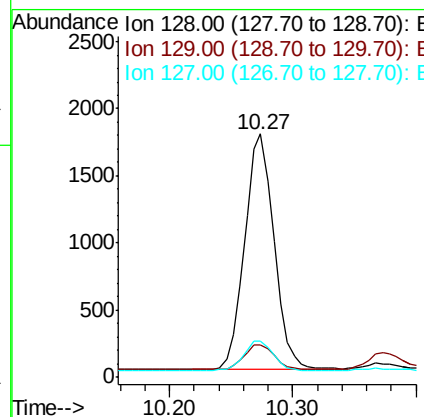
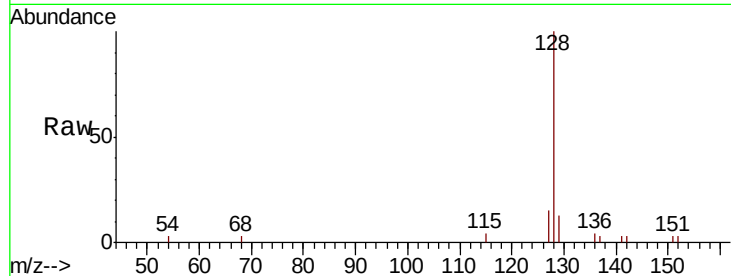
ClientSampleId :

C0AD0

Tot Ion:128	Resp:	2904
Ion Ratio	Lower	Upper
128	100	
129	13.3	9.9 14.9
127	14.9	12.1 18.1

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#5

2-Methylnaphthalene

Concen: 0.078 ng/ul

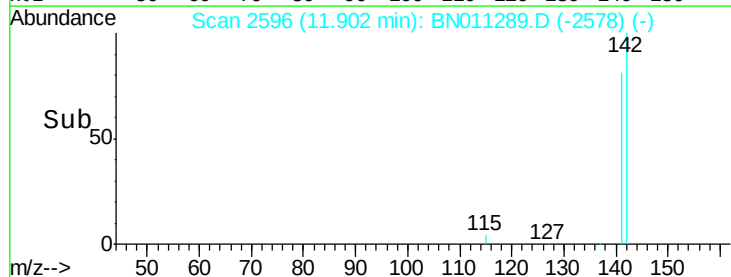
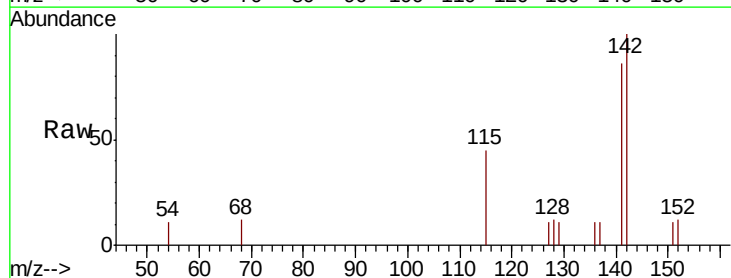
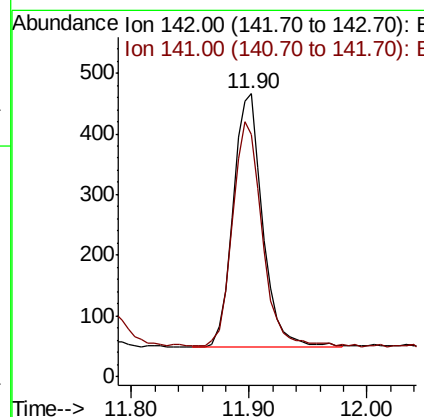
RT: 11.90 min Scan# 2596

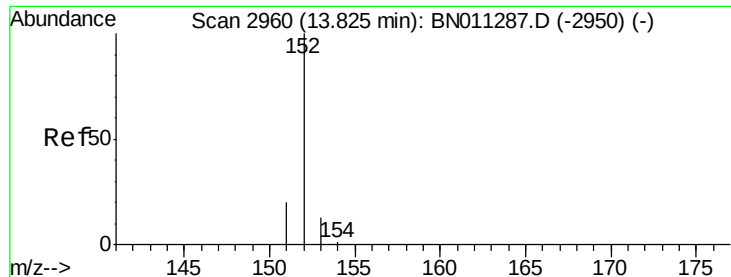
Delta R.T. 0.00 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

Tgt Ion:142	Resp:	731
Ion Ratio	Lower	Upper
142	100	
141	89.6	71.3 106.9





#7

Acenaphthylene

Concen: 0.087 ng/ul

RT: 13.82 min Scan# 2959

Delta R.T. -0.00 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

Instrument :

BNA_N

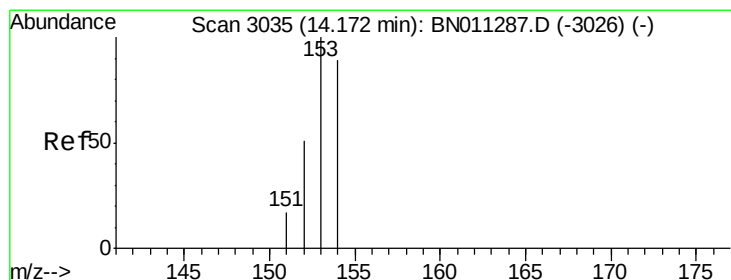
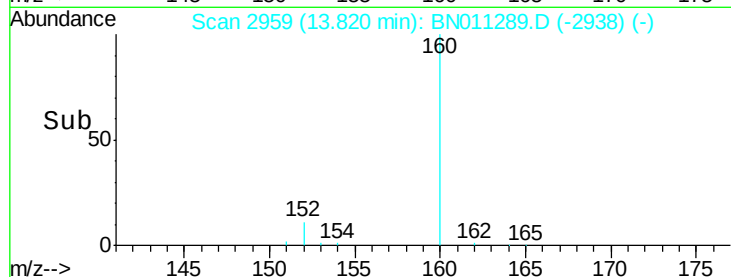
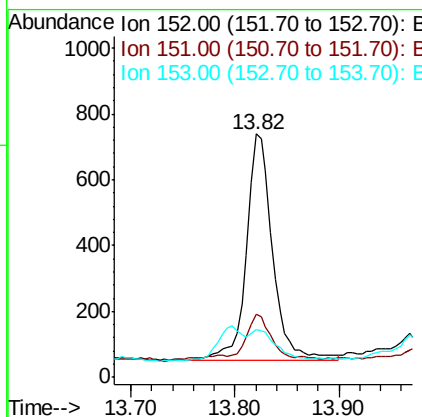
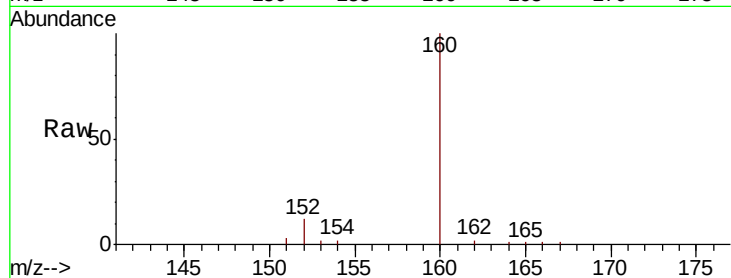
ClientSampleId :

C0AD0

Tot Ion:	152	Resp:	1216
Ion Ratio	Lower	Upper	
152	100		
151	25.8	16.7	25.1#
153	19.8	11.6	17.4#

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#8

Acenaphthene

Concen: 0.203 ng/ul

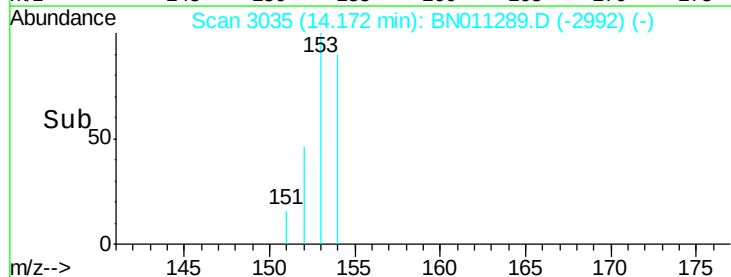
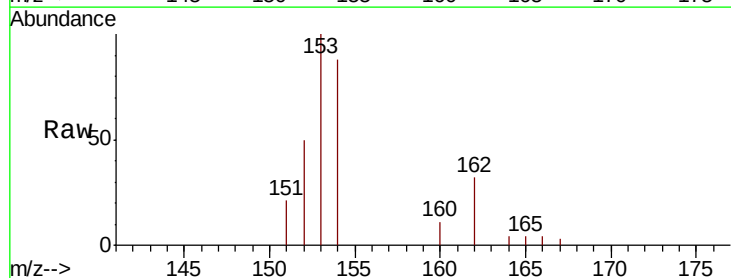
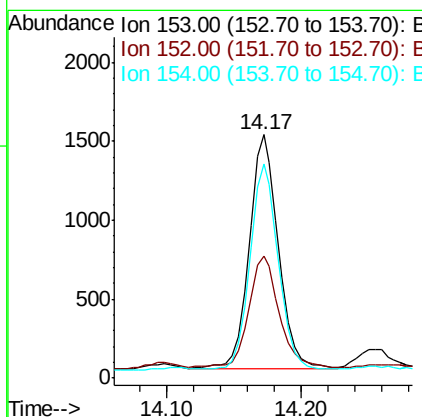
RT: 14.17 min Scan# 3035

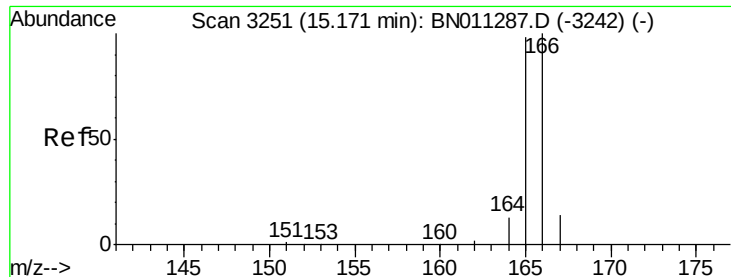
Delta R.T. 0.00 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

Tgt Ion:	153	Resp:	2238
Ion Ratio	Lower	Upper	
153	100		
152	50.0	40.8	61.2
154	87.9	70.6	105.8





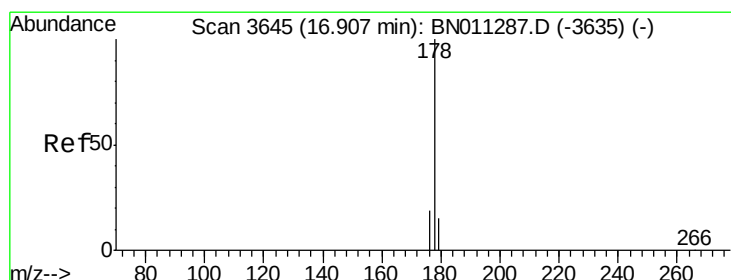
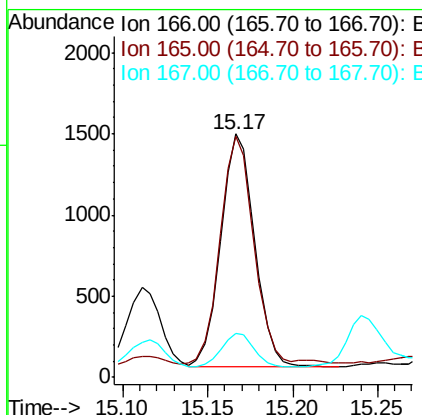
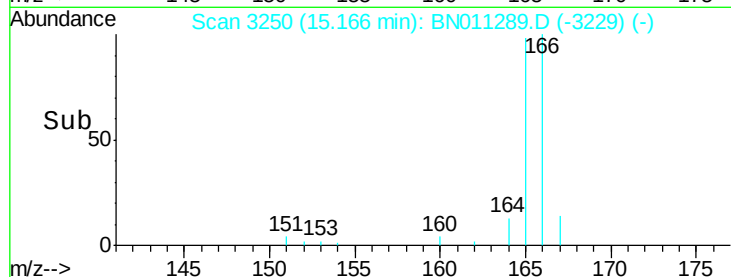
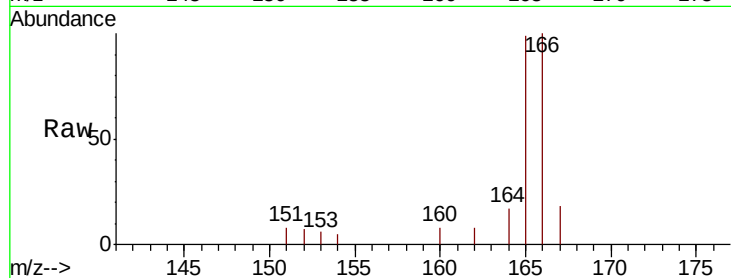
#9
Fluorene
Concen: 0.160 ng/ul
RT: 15.17 min Scan# 3250
Delta R.T. -0.00 min
Lab File: BN011289.D
Acq: 29 Jul 2020 10:21

Instrument :
BNA_N
ClientSampleId :
C0AD0

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.3	118.9
167	17.9	11.8	17.8#

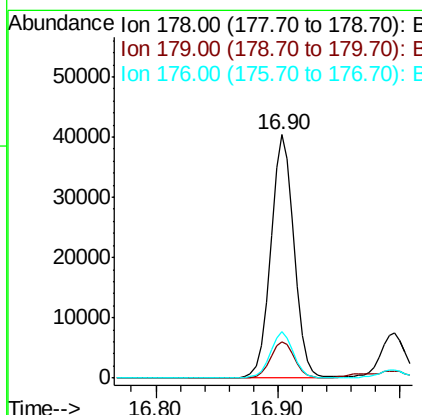
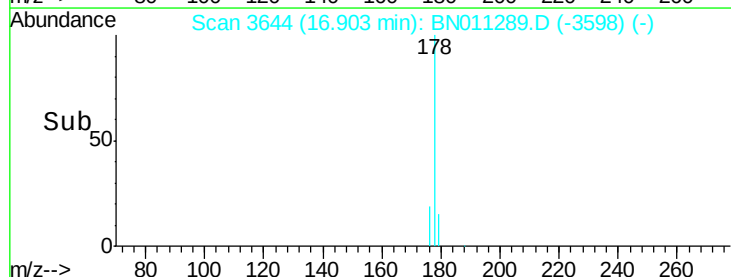
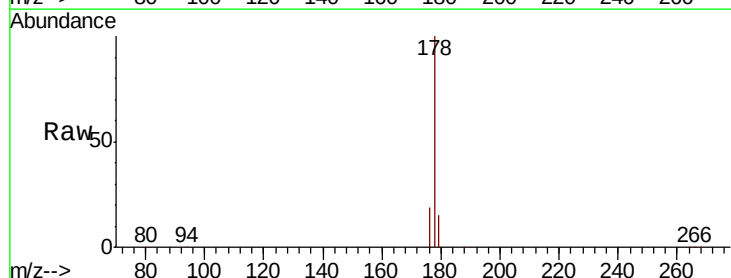
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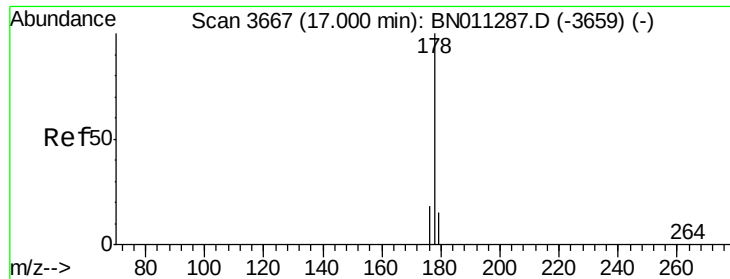
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#12
Phenanthrene
Concen: 2.266 ng/ul
RT: 16.90 min Scan# 3644
Delta R.T. -0.00 min
Lab File: BN011289.D
Acq: 29 Jul 2020 10:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.7	19.1
176	19.1	16.2	24.4





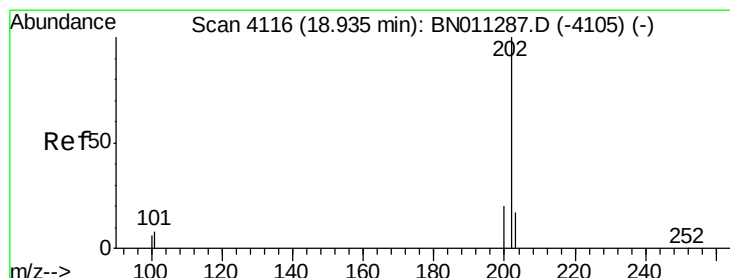
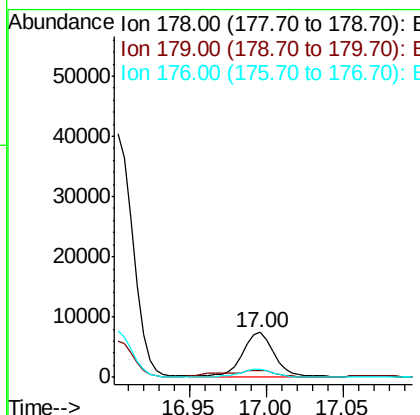
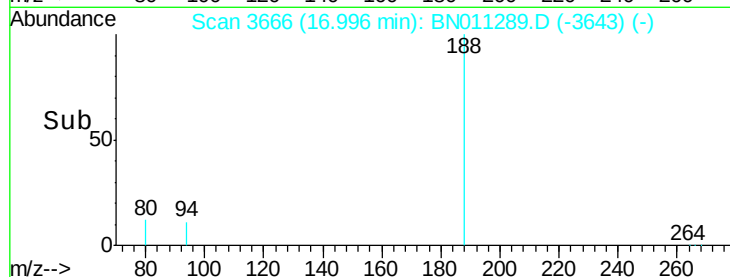
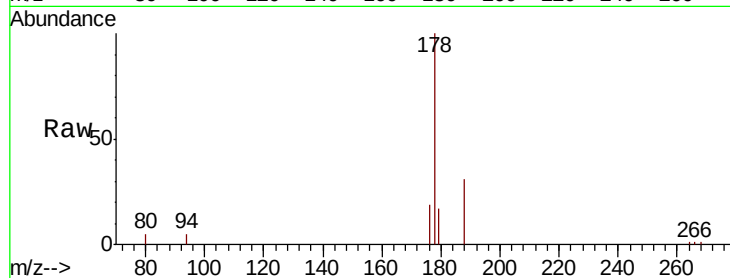
#13
 Anthracene
 Concen: 0.538 ng/ul
 RT: 17.00 min Scan# 3666
 Delta R.T. -0.00 min
 Lab File: BN011289.D
 Acq: 29 Jul 2020 10:21

Instrument :
 BNA_N
 ClientSampled :
 C0AD0

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.6	13.8	20.6
176	18.7	16.2	24.2

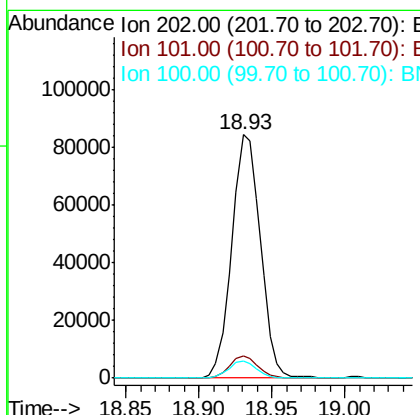
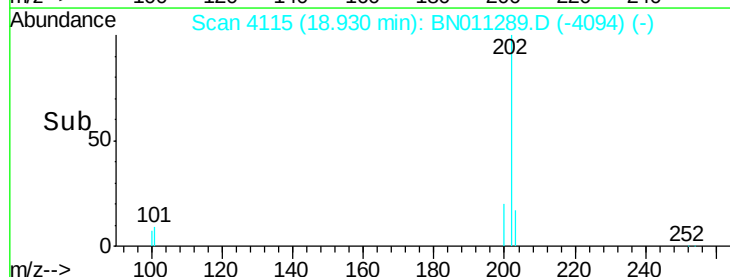
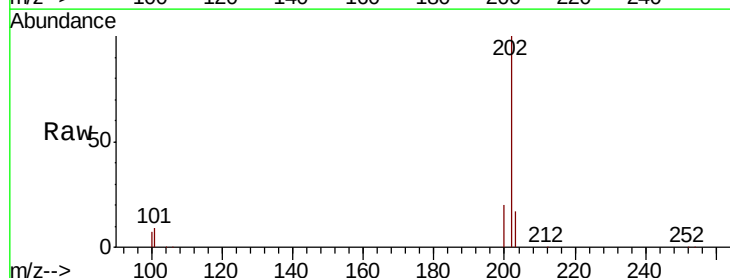
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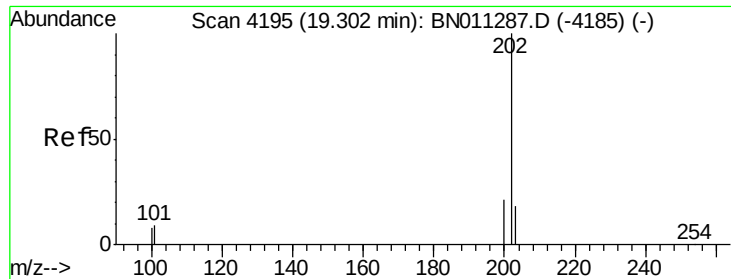
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#15
 Fluoranthene
 Concen: 4.376 ng/ul
 RT: 18.93 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: BN011289.D
 Acq: 29 Jul 2020 10:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	28.7
100	7.1	0.0	27.3





#17

Pvrene

Concen: 2.906 ng/ul

RT: 19.30 min Scan# 4194

Delta R.T. -0.00 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

Instrument :

BNA_N

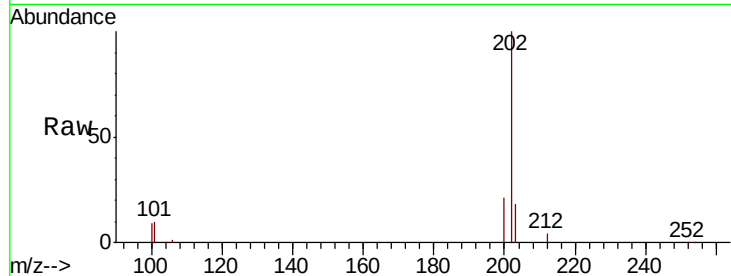
ClientSampleId :

C0AD0

Tot Ion:	202	Resp:	93794
Ion Ratio	Lower	Upper	
202	100		
101	10.4	8.5	12.7
100	8.6	6.7	10.1

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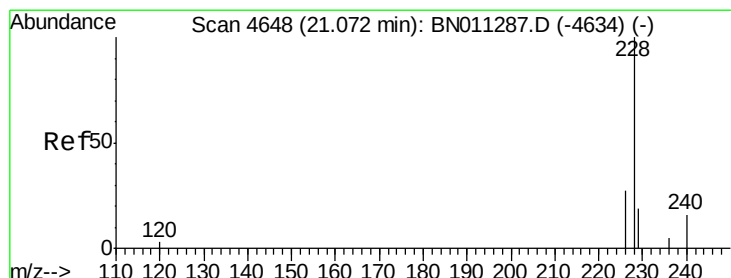
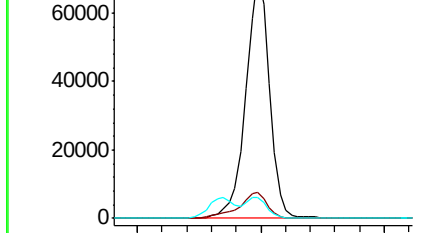
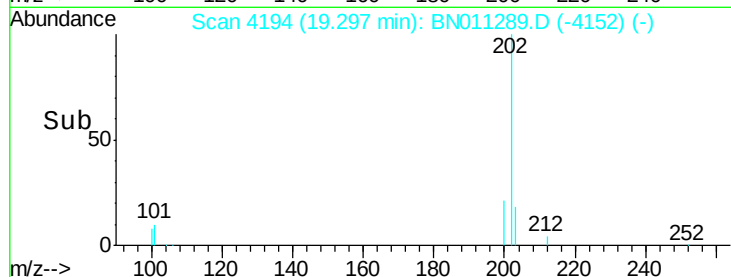


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#18

Benzo(a)anthracene

Concen: 2.673 ng/ul

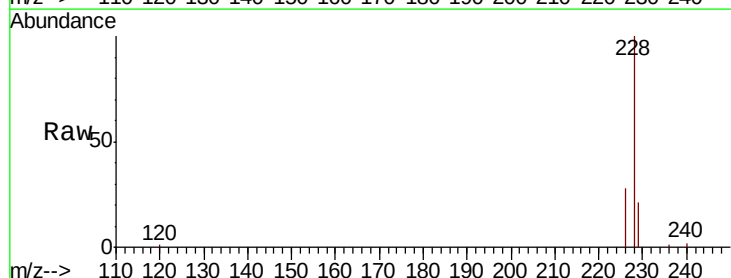
RT: 21.06 min Scan# 4645

Delta R.T. -0.01 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

Tgt Ion:	228	Resp:	57139
Ion Ratio	Lower	Upper	
228	100		
229	21.4	16.5	24.7
226	27.5	23.3	34.9

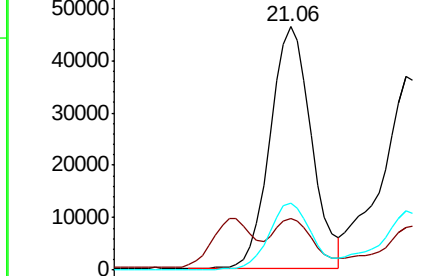
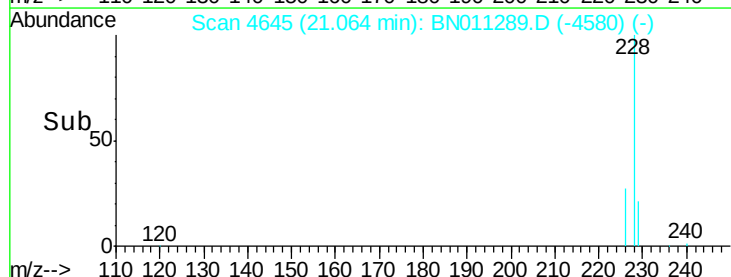


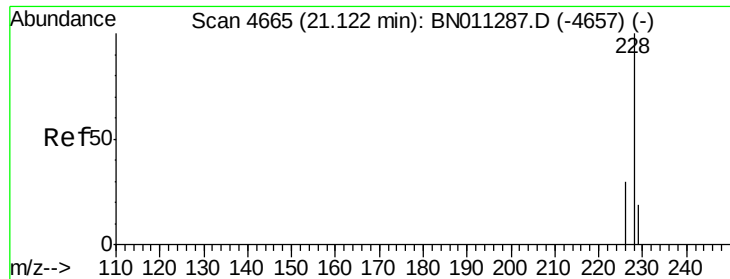
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#19

Chrysene

Concen: 1.902 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. -0.01 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

Instrument :

BNA_N

ClientSampleId :

C0AD0

Tot Ion:228 Resp: 54075

Ion Ratio Lower Upper

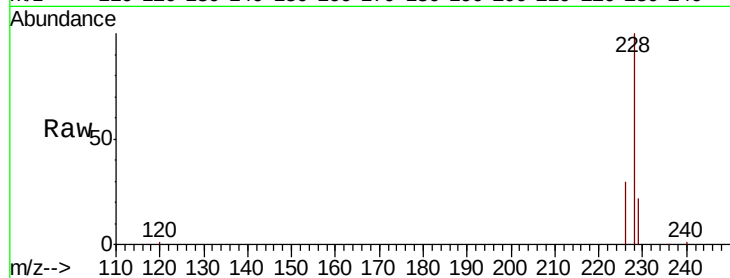
228 100

226 30.4 24.5 36.7

229 21.9 16.2 24.4

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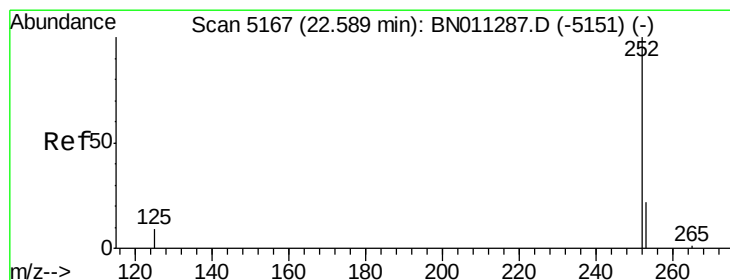
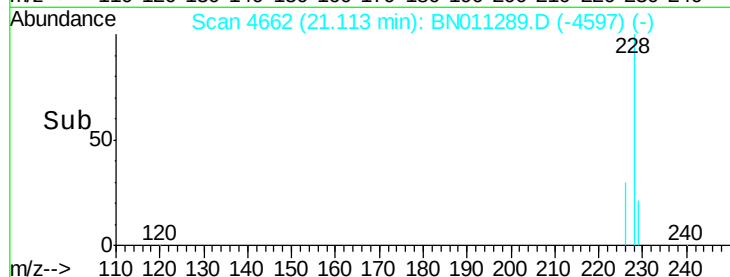
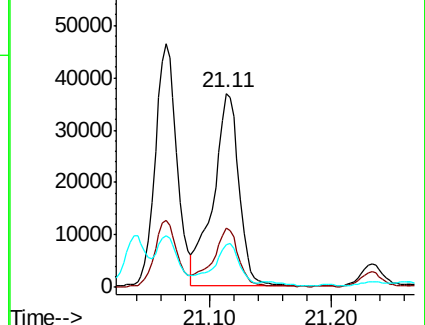
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 3.187 ng/ul m

RT: 22.58 min Scan# 5165

Delta R.T. -0.01 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

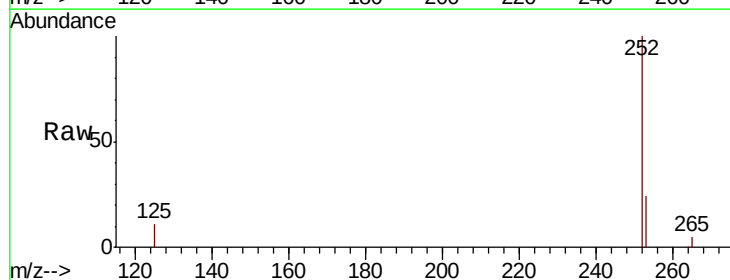
Tgt Ion:252 Resp: 66688

Ion Ratio Lower Upper

252 100

253 24.0 0.0 61.0

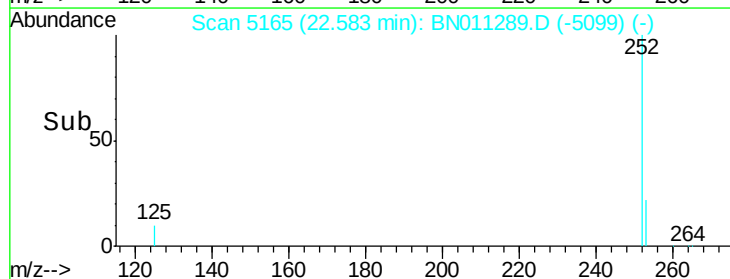
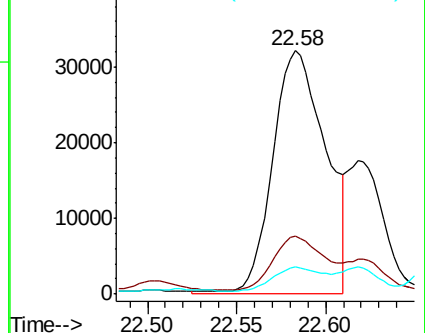
125 11.0 0.0 29.4

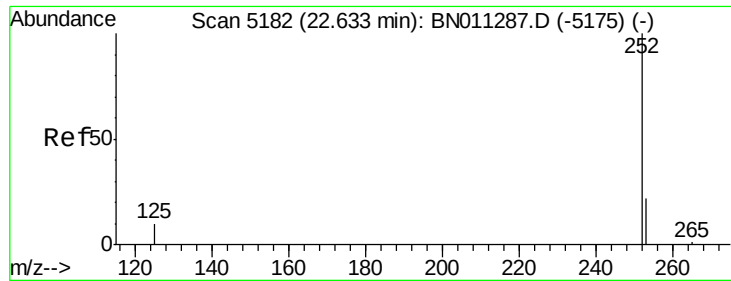


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.073 ng/ul m

RT: 22.62 min Scan# 5177

Delta R.T. -0.01 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

Instrument :

BNA_N

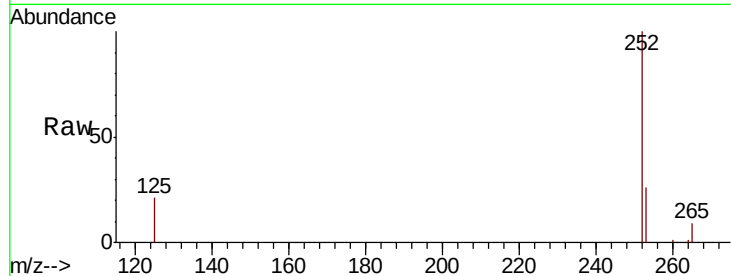
ClientSampleId :

C0AD0

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	23.2	34.8
125	20.6	12.4	18.6

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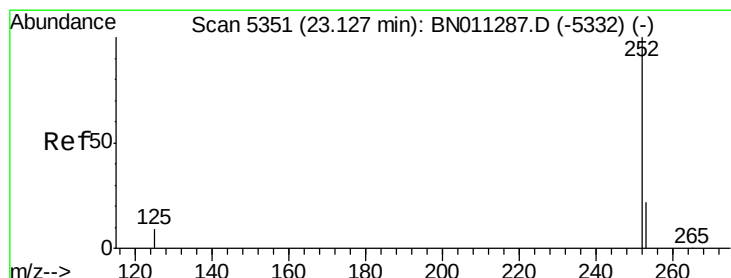
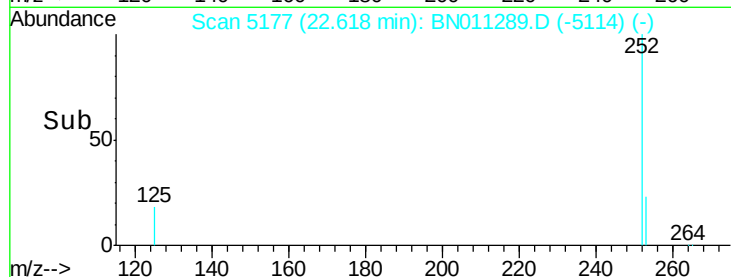
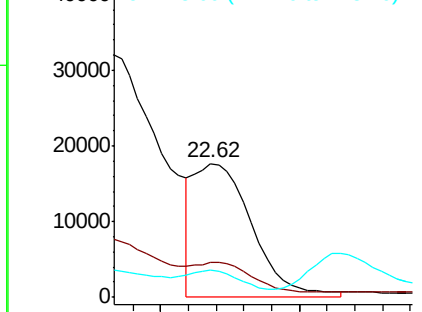


Abundance

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



#23

Benzo(a)pyrene

Concen: 2.138 ng/ul

RT: 23.12 min Scan# 5347

Delta R.T. -0.01 min

Lab File: BN011289.D

Acq: 29 Jul 2020 10:21

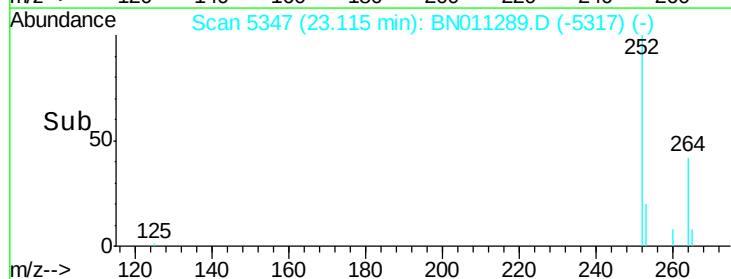
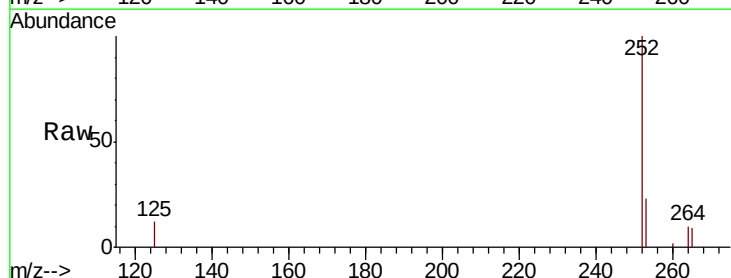
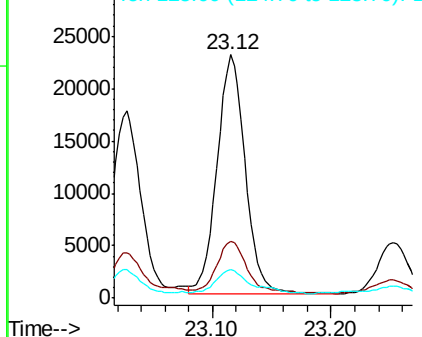
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	28.3	42.5
125	11.8	15.8	23.6

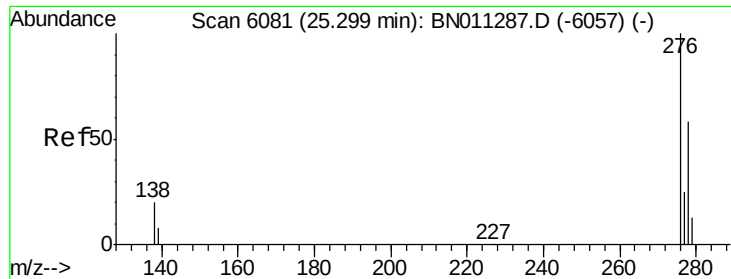
Abundance

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





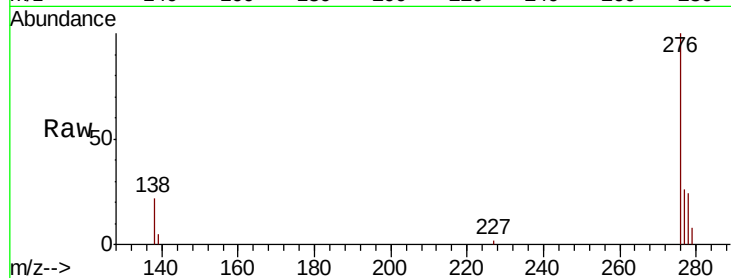
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.277 ng/ul
RT: 25.28 min Scan# 6076
Delta R.T. -0.02 min
Lab File: BN011289.D
Acq: 29 Jul 2020 10:21

Instrument :
BNA_N
ClientSampleId :
C0AD0

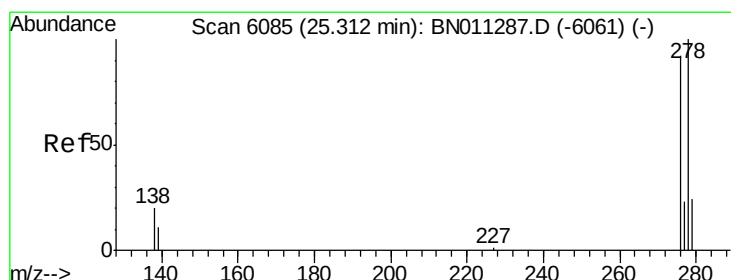
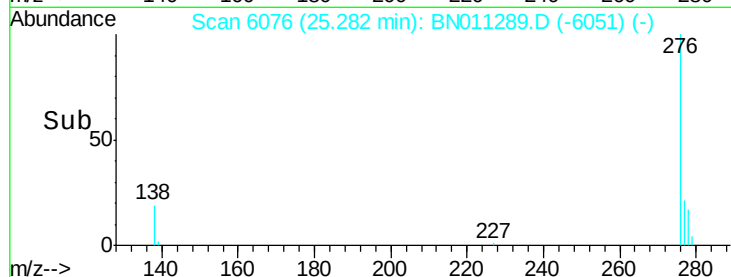
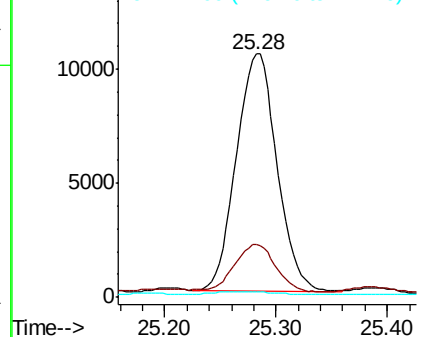
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	15.1	22.7
227	1.7	0.2	0.2#

Manual Integrations
APPROVED

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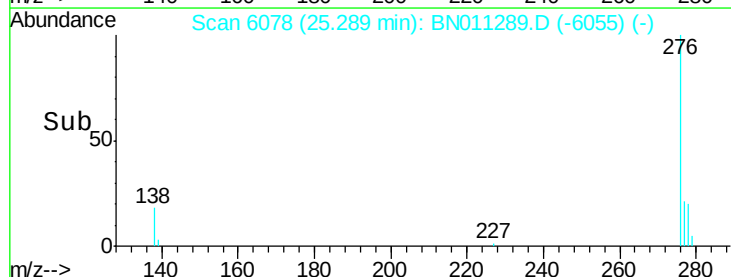
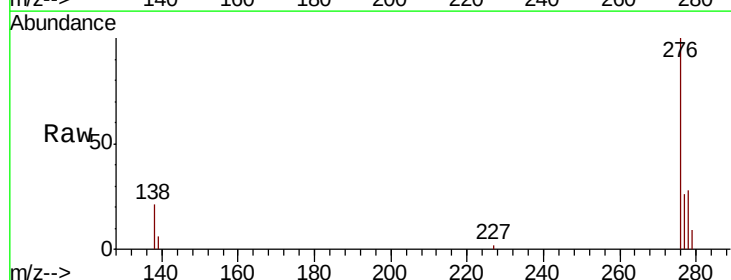
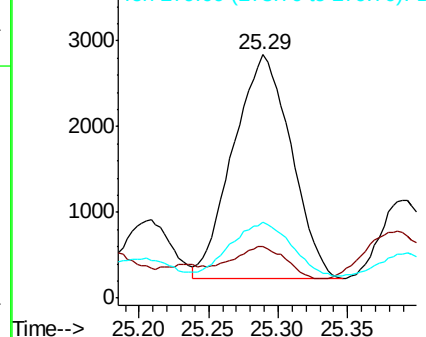
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

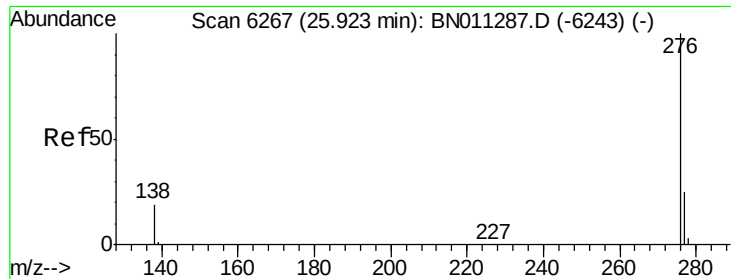


#25
Dibenzo(a,h)anthracene
Concen: 0.486 ng/ul
RT: 25.29 min Scan# 6078
Delta R.T. -0.02 min
Lab File: BN011289.D
Acq: 29 Jul 2020 10:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.2	15.2	22.8
279	31.2	27.8	41.8

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





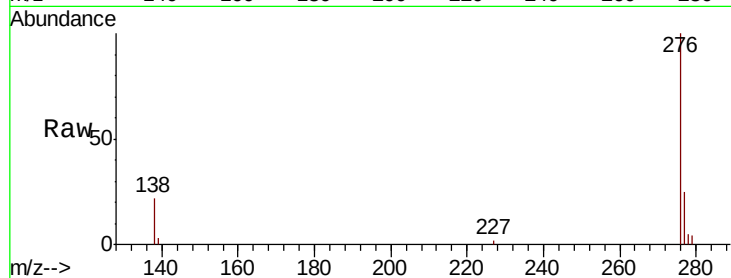
#26
Benzo(a,h,i)perylene
Concen: 0.870 ng/ul
RT: 25.91 min Scan# 6264
Delta R.T. -0.01 min
Lab File: BN011289.D
Acq: 29 Jul 2020 10:21

Instrument :
BNA_N
ClientSampleId :
C0AD0

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	17.1	25.7
277	25.2	21.0	31.4

Manual Integrations
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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

