

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012273.D
 Acq On : 16 Oct 2020 18:50
 Operator : CG/JU
 Sample : L4201-11
 Misc :
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AL9

Manual Integrations
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Quant Time: Oct 17 04:06:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 02:30:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1909	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	8023	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4770	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9564	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	7564	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	7446	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	2480	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	4826	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	15829	0.683	ng/ul	97
5) 2-Methylnaphthalene	12.06	142	2435	0.166	ng/ul	99
7) Acenaphthylene	13.98	152	9113	0.440	ng/ul	99
8) Acenaphthene	14.32	153	6339	0.362	ng/ul	98
9) Fluorene	15.31	166	7319	0.376	ng/ul	99
11) Pentachlorophenol	16.67	266	651	0.236	ng/ul	98
12) Phenanthrene	17.05	178	162554	5.332	ng/ul	98
13) Anthracene	17.14	178	32106	1.228	ng/ul	99
15) Fluoranthene	19.07	202	288048	8.080	ng/ul	100
17) Pyrene	19.44	202	239618	7.026	ng/ul	99
18) Benzo(a)anthracene	21.20	228	132436	4.727	ng/ul	97
19) Chrysene	21.25	228	133164	3.901	ng/ul	98
21) Benzo(b)fluoranthene	22.76	252	201613m	6.704	ng/ul	
22) Benzo(k)fluoranthene	22.79	252	56174m	1.687	ng/ul	
23) Benzo(a)pyrene	23.31	252	135758	4.640	ng/ul#	57
24) Indeno(1,2,3-cd)pyrene	25.60	276	91692	2.439	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.60	278	24457	0.813	ng/ul#	74
26) Benzo(g,h,i)perylene	26.27	276	84545	2.454	ng/ul	96

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

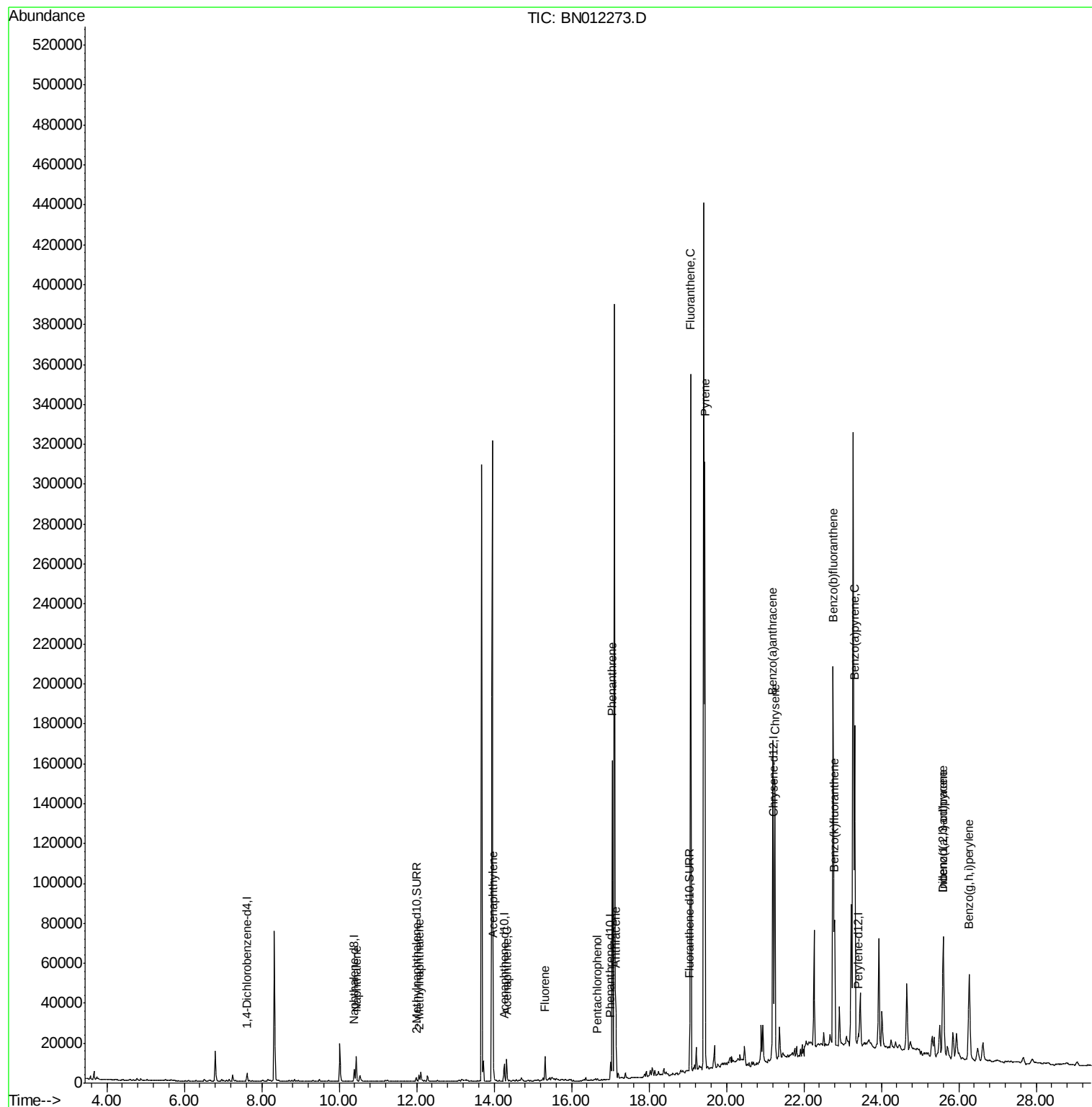
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
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ALS Vial : 85 Sample Multiplier: 1

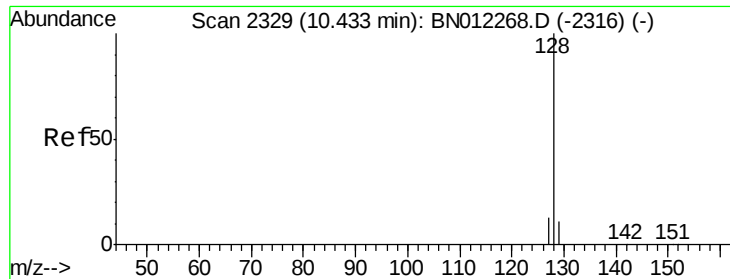
Instrument :
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Quant Time: Oct 17 04:06:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 17 02:30:59 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.683 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. 0.01 min

Lab File: BN012273.D

Acq: 16 Oct 2020 18:50

Instrument :

BNA_N

ClientSampleId :

C0AL9

Tot Ion:128 Resp: 15829

Ion Ratio Lower Upper

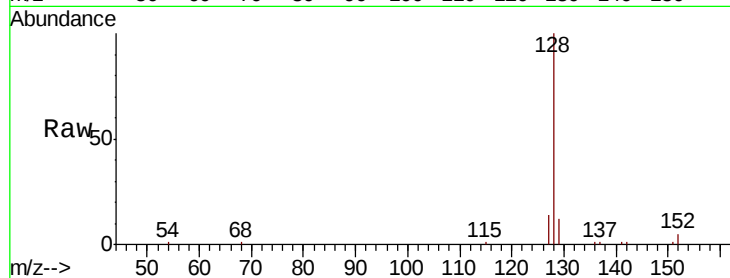
128 100

129 11.7 10.3 15.5

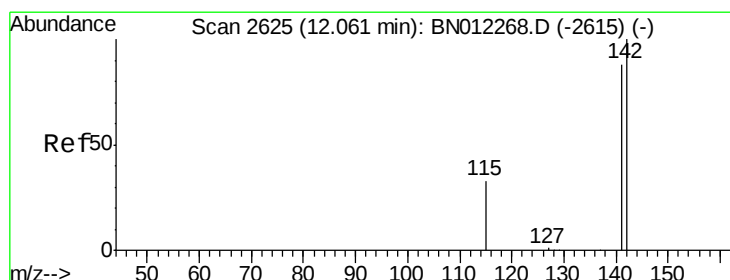
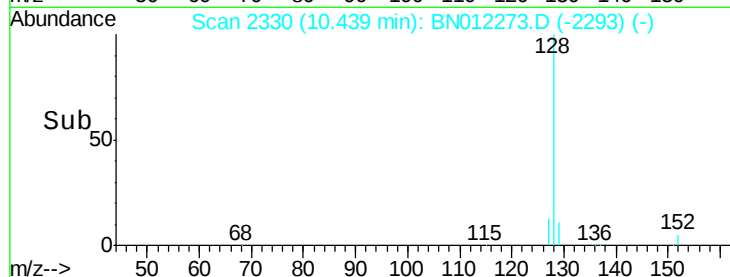
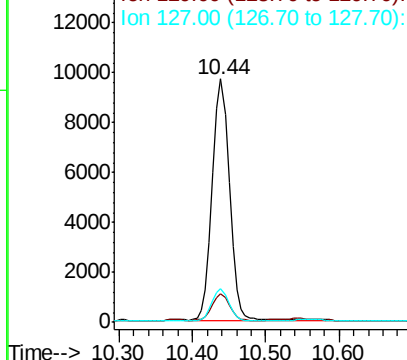
127 13.6 11.9 17.9

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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: 0.166 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BN012273.D

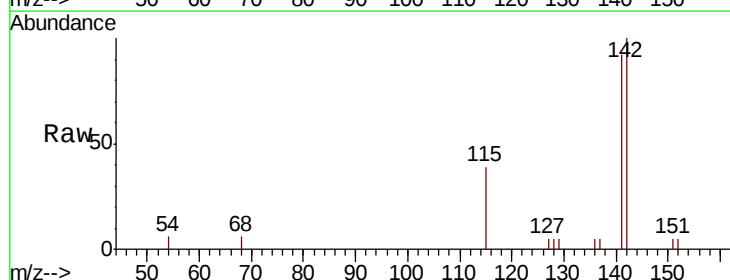
Acq: 16 Oct 2020 18:50

Tgt Ion:142 Resp: 2435

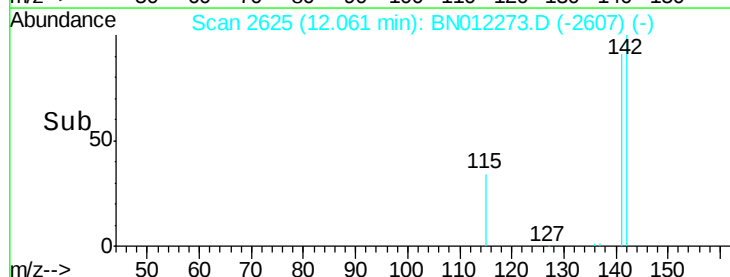
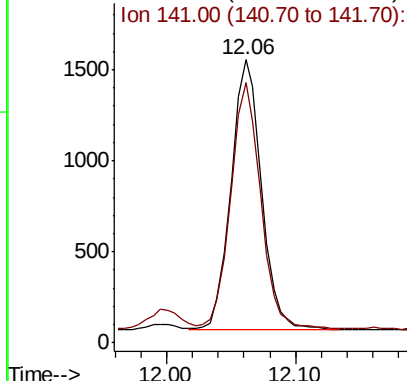
Ion Ratio Lower Upper

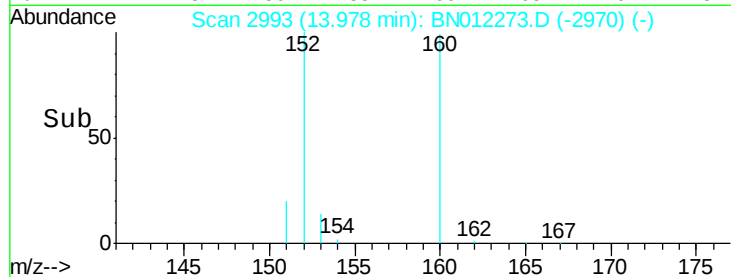
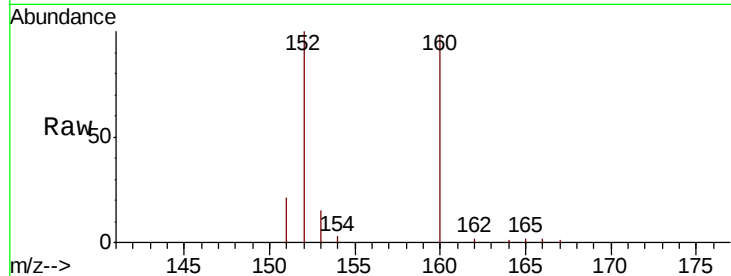
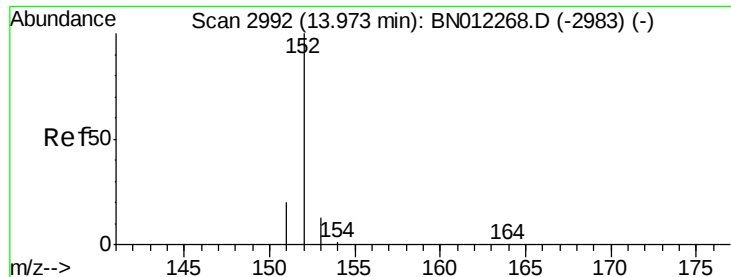
142 100

141 90.1 71.7 107.5



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





#7

Acenaphthylene

Concen: 0.440 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012273.D

Acq: 16 Oct 2020 18:50

Tot Ion:	152	Resp:	9113
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.7	25.1
153	15.0	11.8	17.8

Instrument :

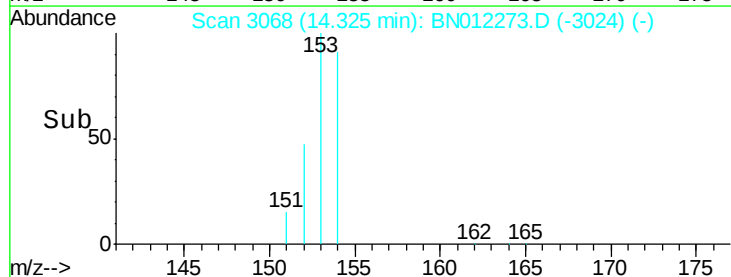
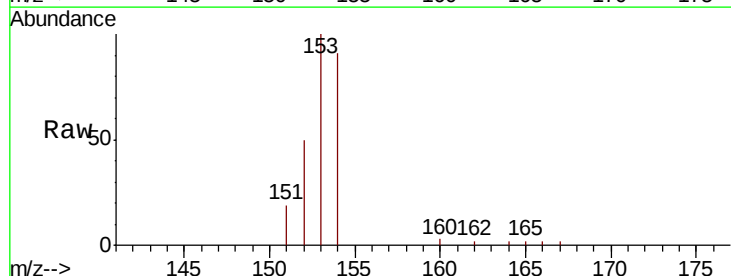
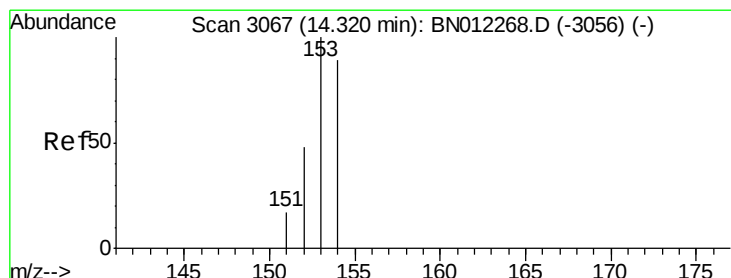
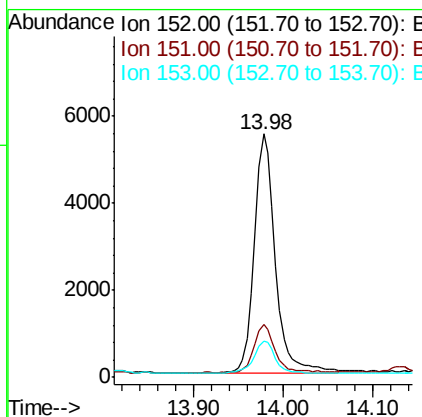
BNA_N

ClientSampleId :

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#8

Acenaphthene

Concen: 0.362 ng/ul

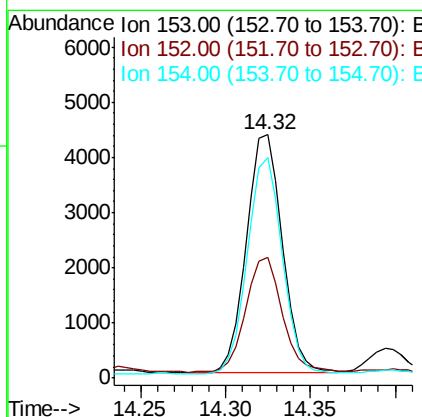
RT: 14.32 min Scan# 3068

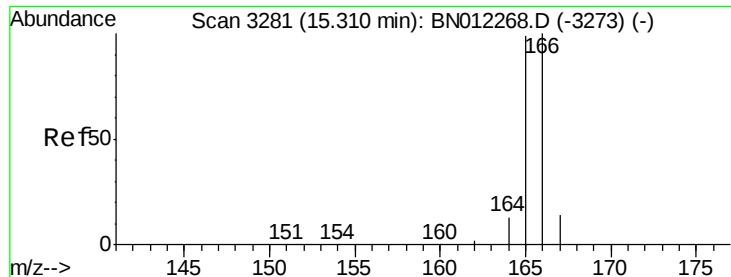
Delta R.T. 0.00 min

Lab File: BN012273.D

Acq: 16 Oct 2020 18:50

Tgt Ion:	153	Resp:	6339
Ion Ratio	Lower	Upper	
153	100		
152	49.5	38.2	57.2
154	90.6	71.1	106.7





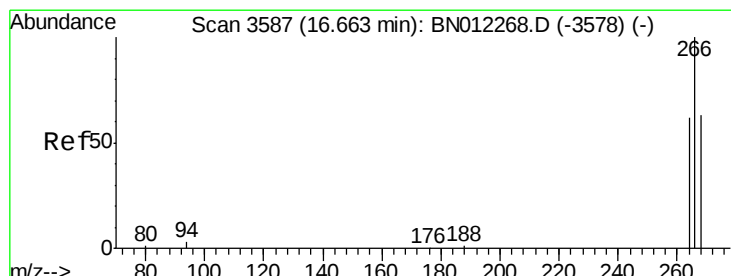
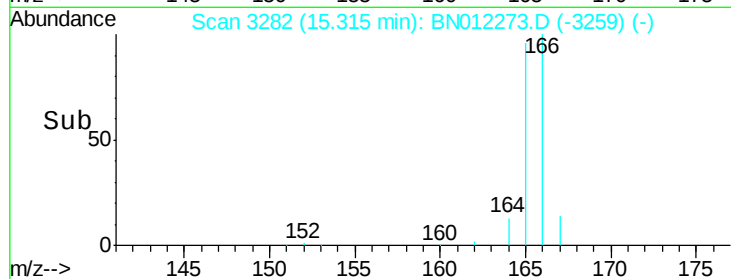
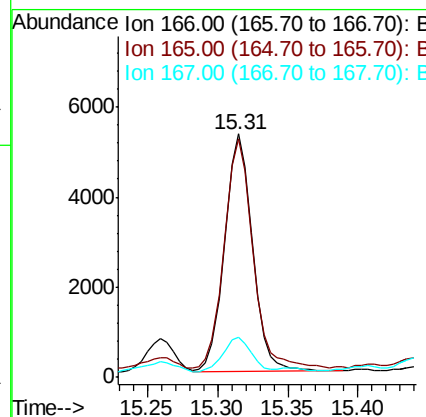
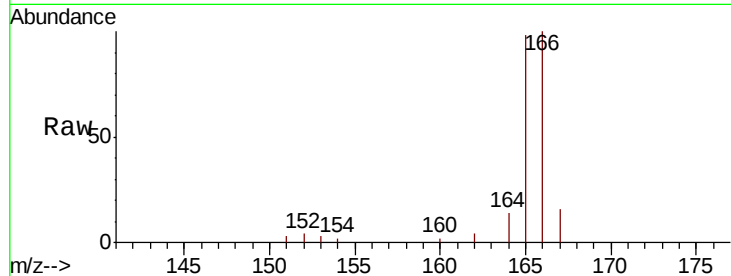
#9
Fluorene
 Concen: 0.376 ng/ul
 RT: 15.31 min Scan# 3282
 Delta R.T. 0.00 min
 Lab File: BN012273.D
 Acq: 16 Oct 2020 18:50

Instrument :
 BNA_N
 ClientSampleId :
 C0AL9

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.6	118.0
167	16.4	11.9	17.9

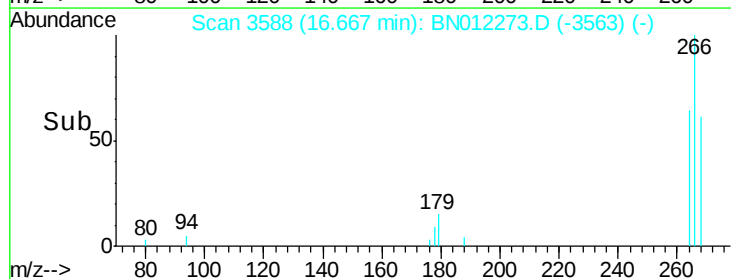
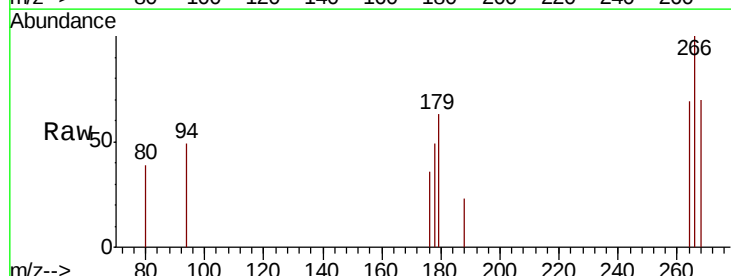
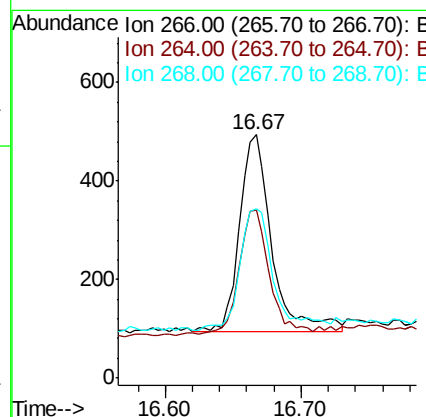
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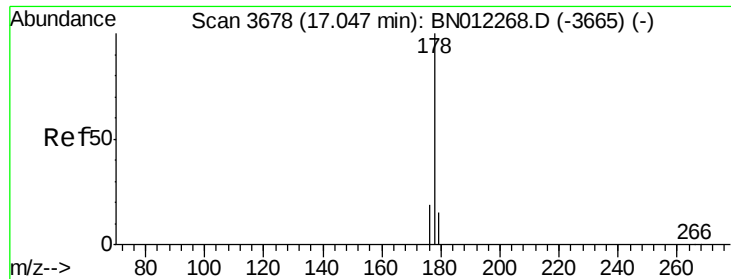
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#11
Pentachlorophenol
 Concen: 0.236 ng/ul
 RT: 16.67 min Scan# 3588
 Delta R.T. 0.00 min
 Lab File: BN012273.D
 Acq: 16 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
266	100		
264	59.6	50.3	75.5
268	65.7	52.4	78.6





#12

Phenanthrene

Concen: 5.332 ng/ul

RT: 17.05 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BN012273.D

Acq: 16 Oct 2020 18:50

Instrument :

BNA_N

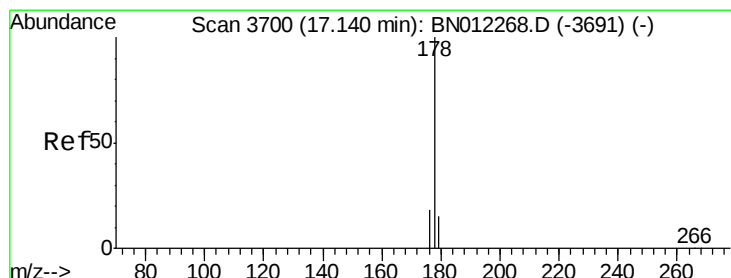
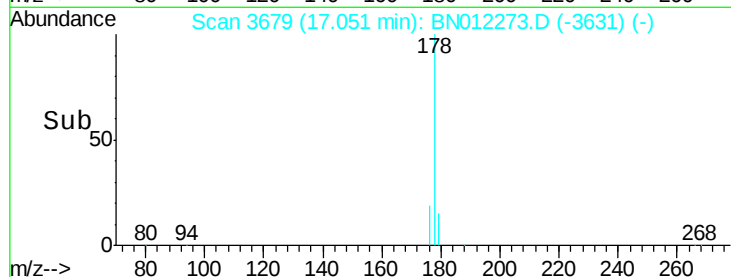
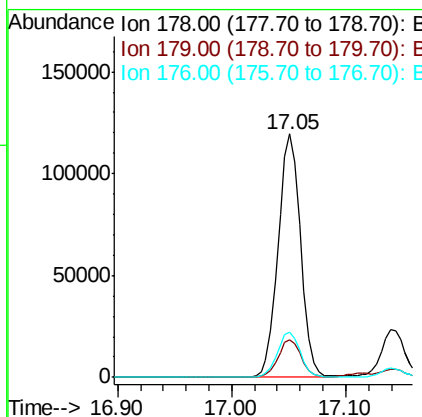
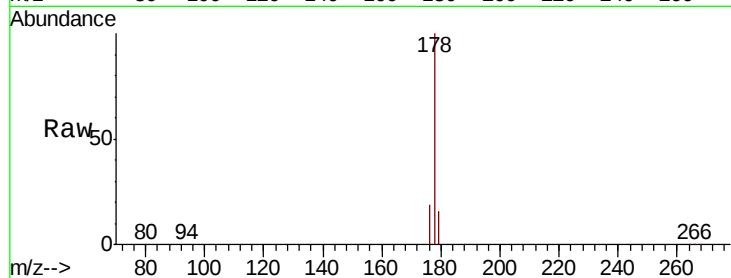
ClientSampleId :

C0AL9

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.4	20.2
176	18.8	15.7	23.5

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#13

Anthracene

Concen: 1.228 ng/ul

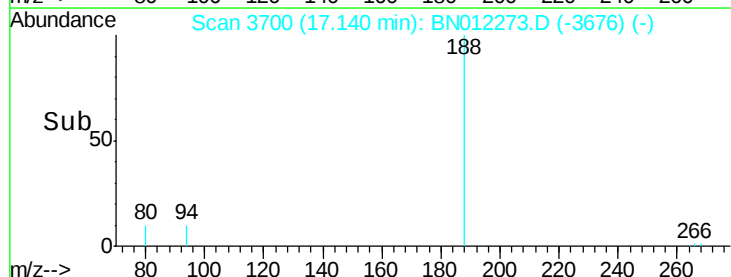
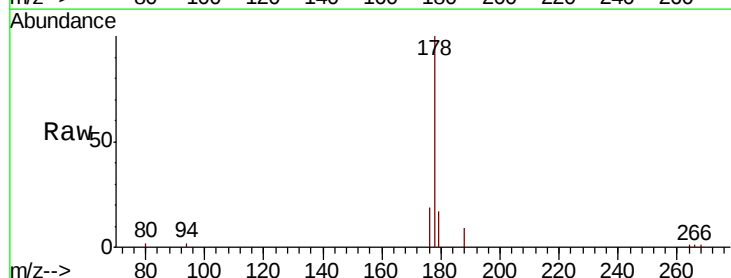
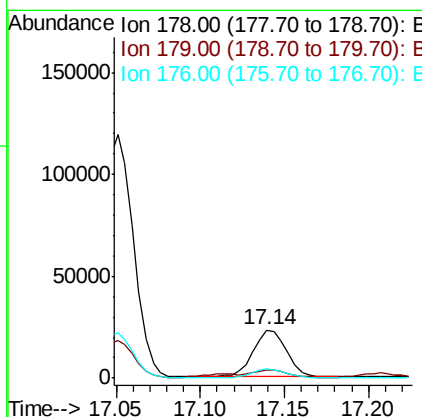
RT: 17.14 min Scan# 3700

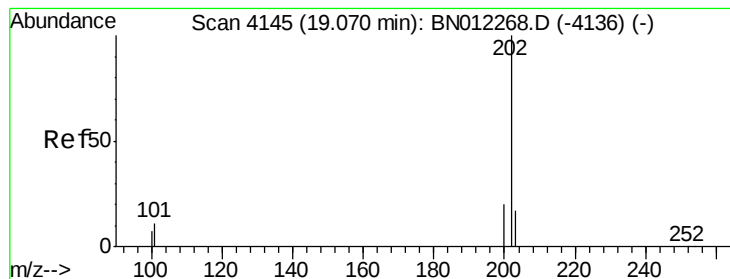
Delta R.T. -0.00 min

Lab File: BN012273.D

Acq: 16 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.9	20.9
176	18.8	15.4	23.0





#15

Fluoranthene

Concen: 8.080 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012273.D

Acq: 16 Oct 2020 18:50

Instrument :

BNA_N

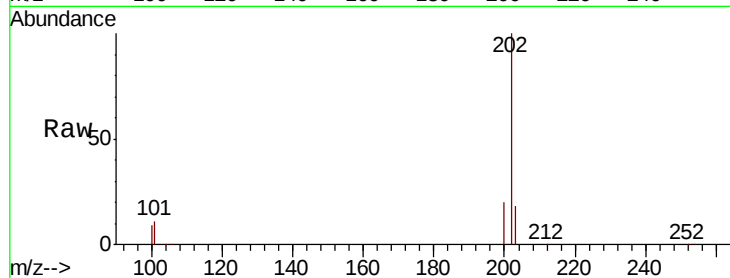
ClientSampleId :

C0AL9

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		288048		
101	11.3	0.0	31.0		
100	8.6	0.0	28.7		

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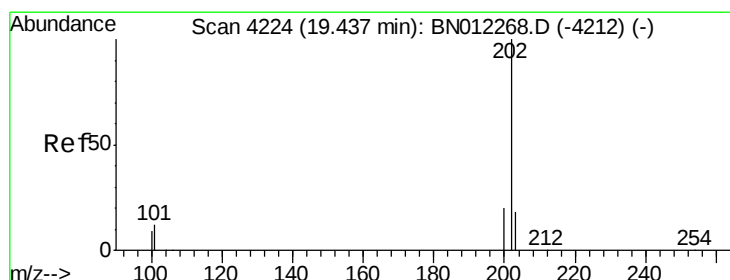
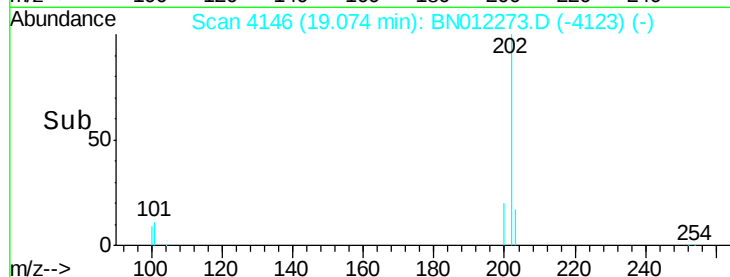
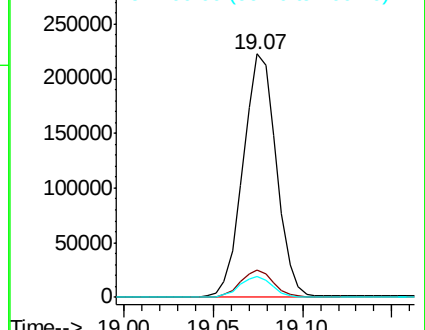
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 7.026 ng/ul

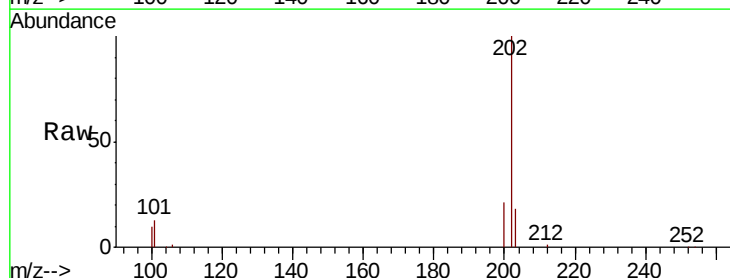
RT: 19.44 min Scan# 4225

Delta R.T. 0.00 min

Lab File: BN012273.D

Acq: 16 Oct 2020 18:50

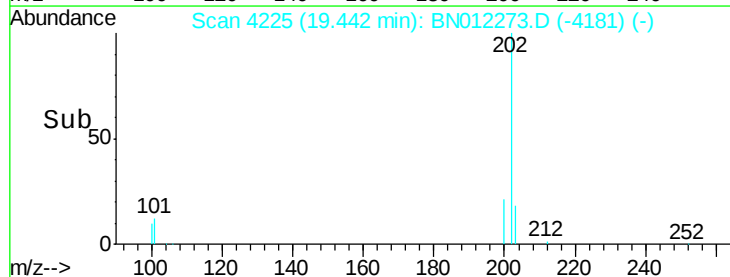
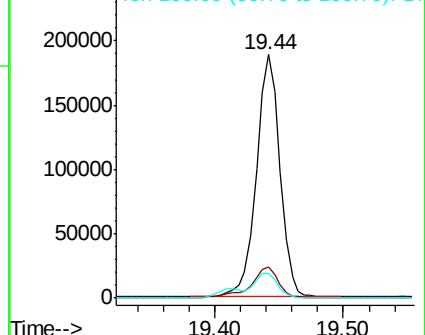
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		239618		
101	12.6	9.9	14.9		
100	10.3	8.0	12.0		

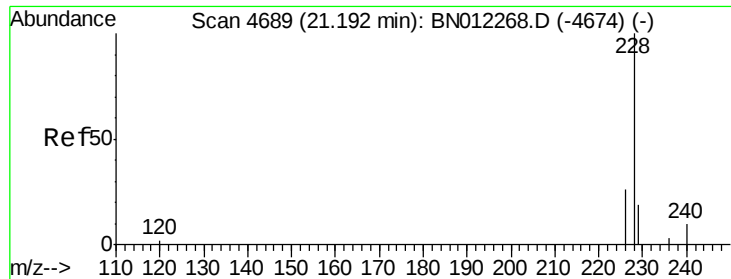


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





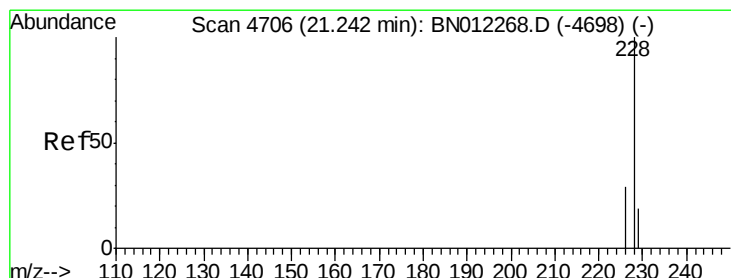
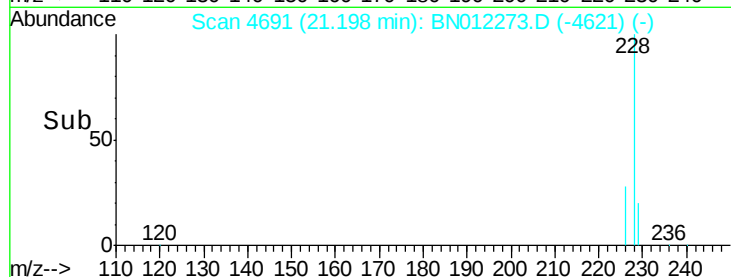
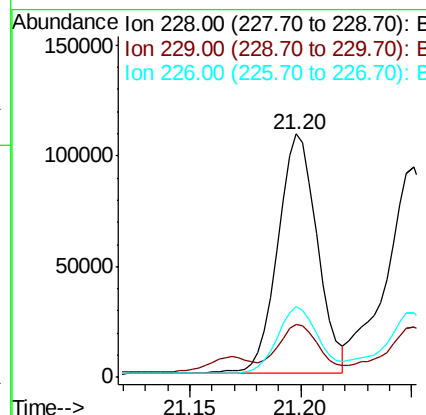
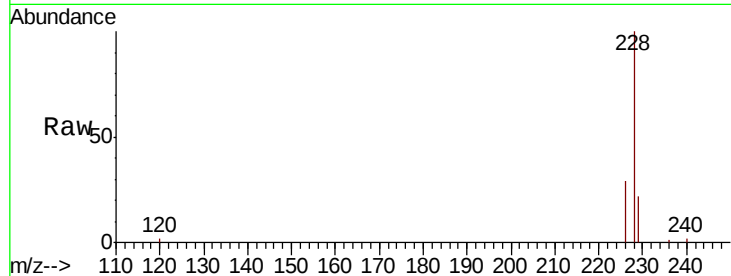
#18
Benzo(a)anthracene
Concen: 4.727 ng/ul
RT: 21.20 min Scan# 4691
Delta R.T. 0.01 min
Lab File: BN012273.D
Acq: 16 Oct 2020 18:50

Instrument :
BNA_N
ClientSampled :
C0AL9

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.8	23.8
226	28.9	22.6	33.8

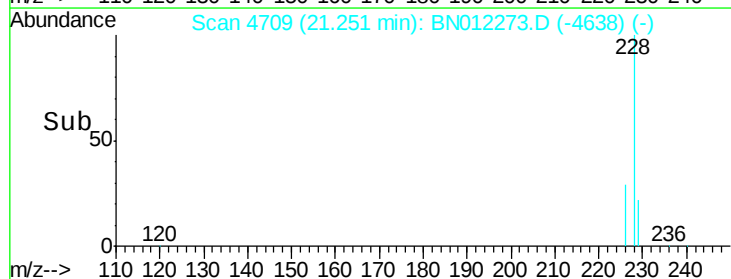
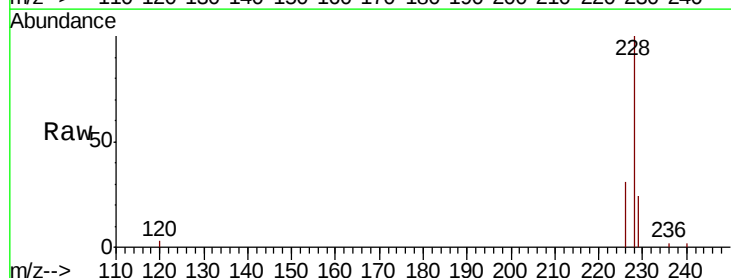
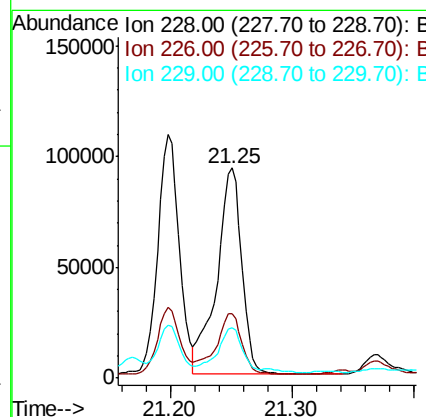
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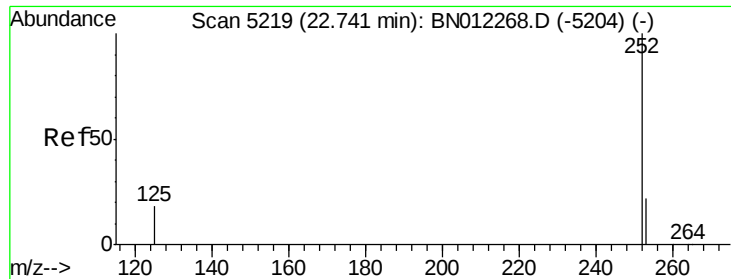
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#19
Chrysene
Concen: 3.901 ng/ul
RT: 21.25 min Scan# 4709
Delta R.T. 0.01 min
Lab File: BN012273.D
Acq: 16 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	23.9	17.0	25.6





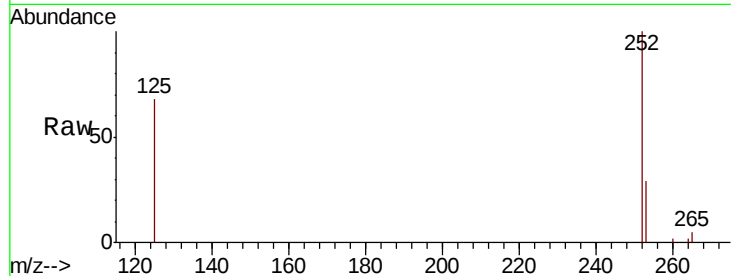
#21
Benzo(b)fluoranthene
Concen: 6.704 ng/ul m
RT: 22.76 min Scan# 5224
Delta R.T. 0.01 min
Lab File: BN012273.D
Acq: 16 Oct 2020 18:50

Instrument :
BNA_N
ClientSampleId :
C0AL9

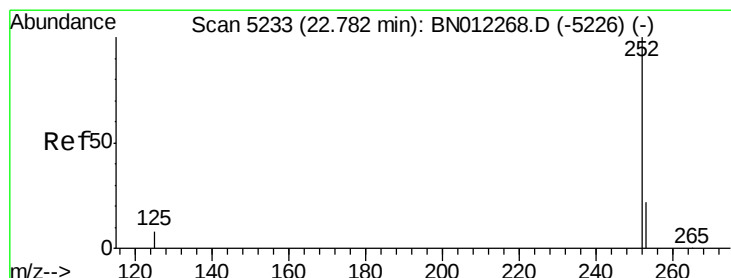
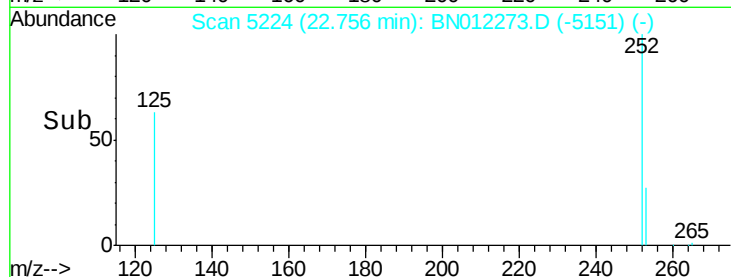
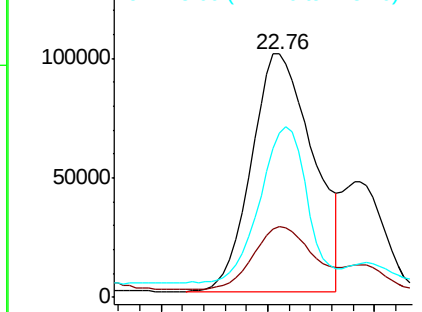
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	29.1	0.0	61.6
125	67.6	0.0	36.8#

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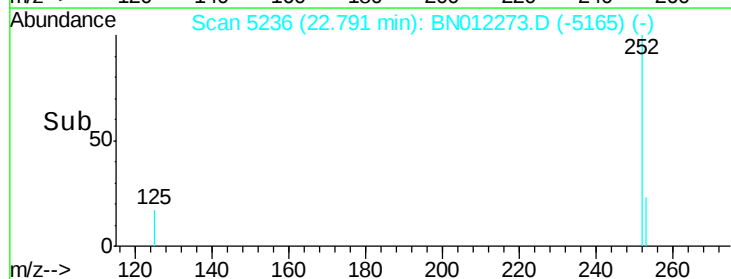
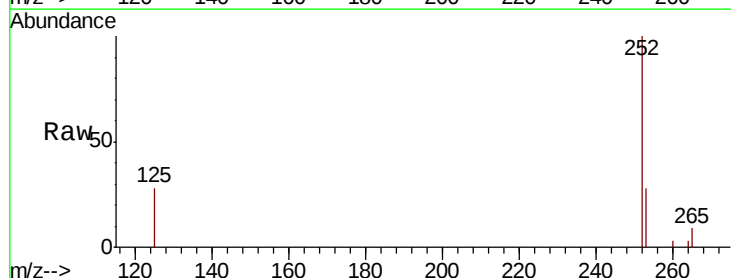
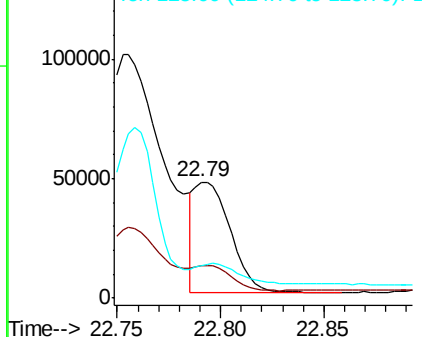
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

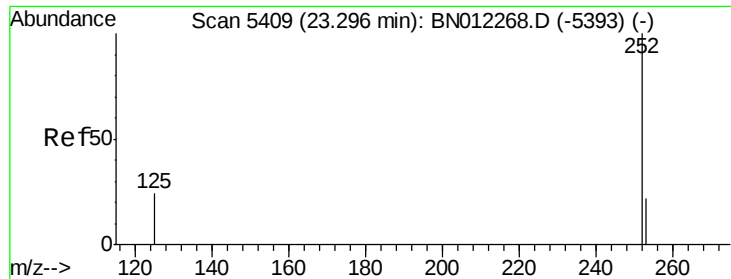


#22
Benzo(k)fluoranthene
Concen: 1.687 ng/ul m
RT: 22.79 min Scan# 5236
Delta R.T. 0.01 min
Lab File: BN012273.D
Acq: 16 Oct 2020 18:50

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	27.9	24.4	36.6
125	28.1	12.9	19.3#

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: 4.640 ng/ul

RT: 23.31 min Scan# 5414

Delta R.T. 0.01 min

Lab File: BN012273.D

Acq: 16 Oct 2020 18:50

Instrument :

BNA_N

ClientSampleId :

COAL9

Tot Ion: 252 Resp: 135758

Ion Ratio Lower Upper

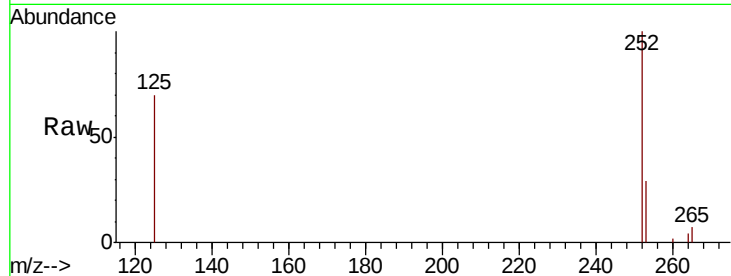
252 100

253 29.4 27.0 40.4

125 69.6 18.8 28.2#

Manual Integrations
APPROVED

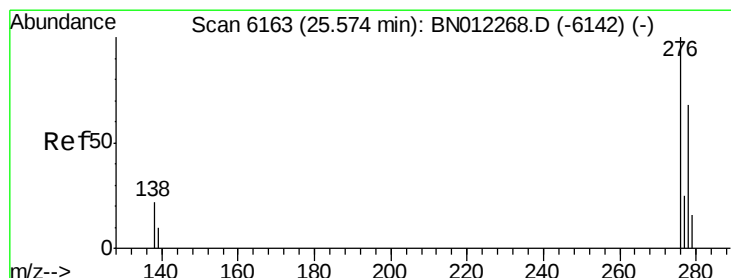
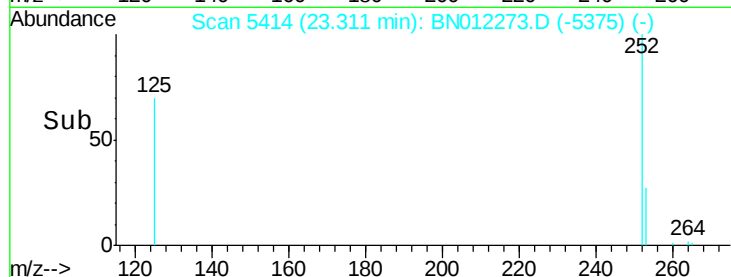
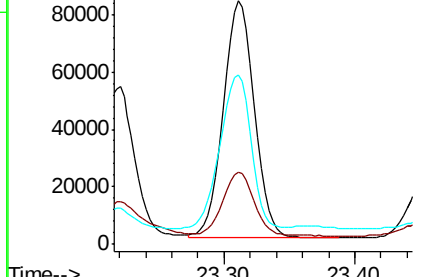
mohammad
10/19/2020 1:21:45 PM



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: 2.439 ng/ul

RT: 25.60 min Scan# 6170

Delta R.T. 0.02 min

Lab File: BN012273.D

Acq: 16 Oct 2020 18:50

Tgt Ion: 276 Resp: 91692

Ion Ratio Lower Upper

276 100

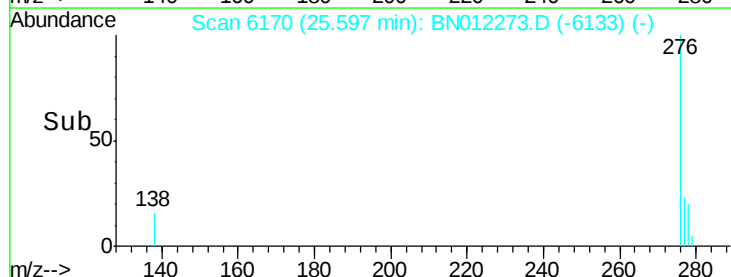
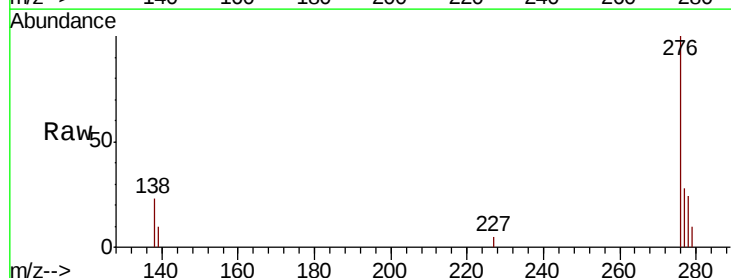
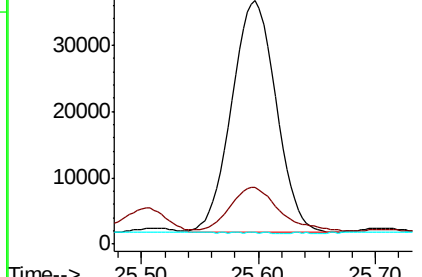
138 20.5 0.0 0.0#

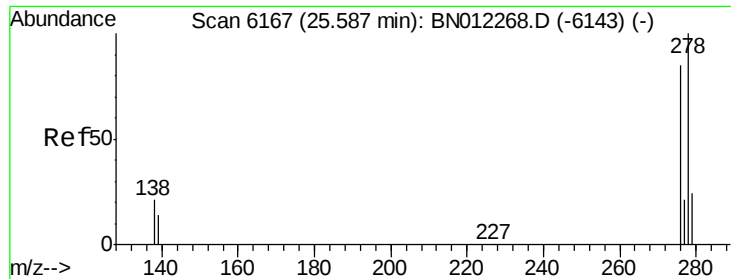
227 0.0 0.0 0.0#

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





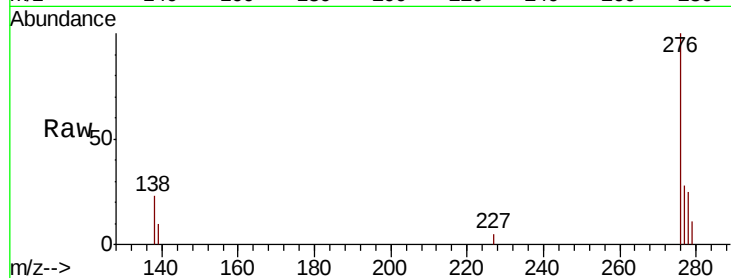
#25
Dibenzo(a,h)anthracene
Concen: 0.813 ng/uL
RT: 25.60 min Scan# 6171
Delta R.T. 0.01 min
Lab File: BN012273.D
Acq: 16 Oct 2020 18:50

Instrument :
BNA_N
ClientSampleId :
C0AL9

Tot Ion	Ratio	Lower	Upper
278	100		
139	39.0	15.7	23.5#
279	41.3	26.0	39.0#

Manual Integrations
APPROVED

mohammad
10/19/2020 1:21:45 PM

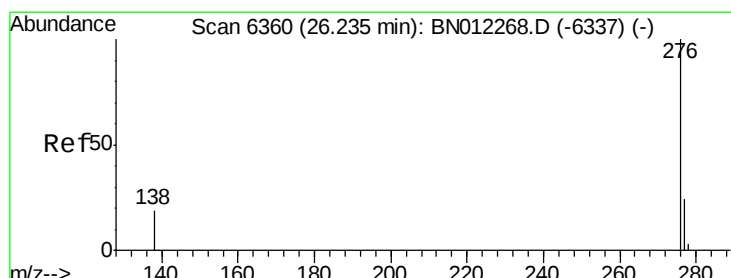
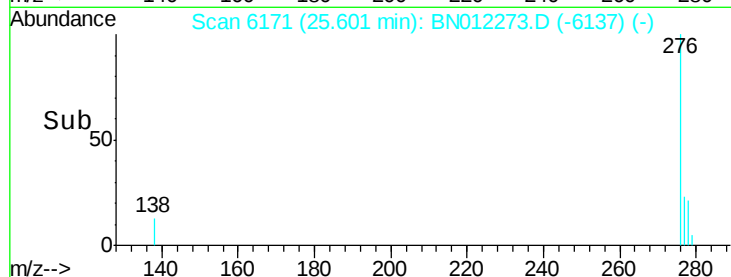
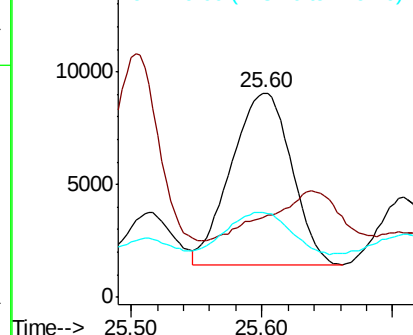


Abundance

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(g,h,i)perylene
Concen: 2.454 ng/uL
RT: 26.27 min Scan# 6370
Delta R.T. 0.03 min
Lab File: BN012273.D
Acq: 16 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	17.1	25.7
277	28.1	21.1	31.7

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

