

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004421.D
 Acq On : 14 Feb 2019 15:40
 Operator : JU/SJ
 Sample : MDL-W-06
 Misc : 0.07 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-06

Manual Integrations
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Sohil
 2/15/2019 3:44:12 PM

Quant Time: Feb 15 15:23:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 14:04:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	908	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3567	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2171	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	6104	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	7865	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8096	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1974	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	6515	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	655	0.064	ng/ul#	77
5) 2-Methylnaphthalene	12.20	142	477	0.065	ng/ul	98
7) Acenaphthylene	14.11	152	593	0.060	ng/ul#	77
8) Acenaphthene	14.45	153	548	0.064	ng/ul	95
9) Fluorene	15.43	166	670	0.065	ng/ul#	93
11) Pentachlorophenol	16.78	266	37	0.028	ng/ul#	86
12) Phenanthrene	17.17	178	1262	0.064	ng/ul#	89
13) Anthracene	17.26	178	1020	0.061	ng/ul#	86
15) Fluoranthene	19.20	202	1592	0.065	ng/ul	93
17) Pyrene	19.56	202	1616	0.064	ng/ul#	91
18) Benzo(a)anthracene	21.32	228	1589m	0.063	ng/ul	
19) Chrysene	21.37	228	1949	0.066	ng/ul	96
21) Benzo(b)fluoranthene	22.91	252	2159	0.067	ng/ul	71
22) Benzo(k)fluoranthene	22.96	252	2007	0.063	ng/ul#	68
23) Benzo(a)pyrene	23.50	252	1782	0.062	ng/ul#	60
24) Indeno(1,2,3-cd)pyrene	25.89	276	2479	0.065	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.91	278	1990	0.065	ng/ul#	81
26) Benzo(g,h,i)perylene	26.60	276	2313	0.067	ng/ul#	89

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

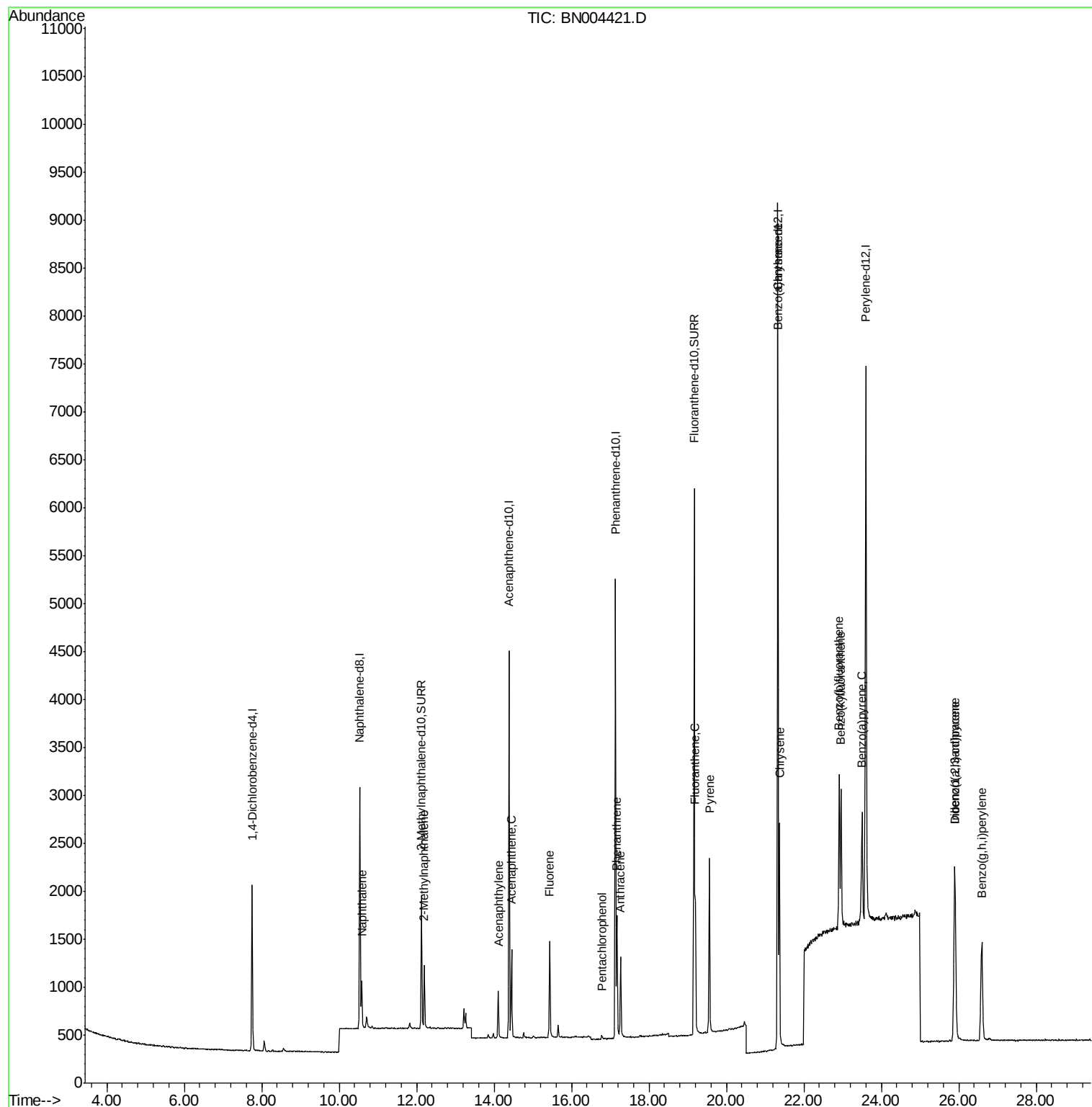
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
Data File : BN004421.D
Acq On : 14 Feb 2019 15:40
Operator : JU/SJ
Sample : MDL-W-06
Misc : 0.07 PPM
ALS Vial : 9 Sample Multiplier: 1

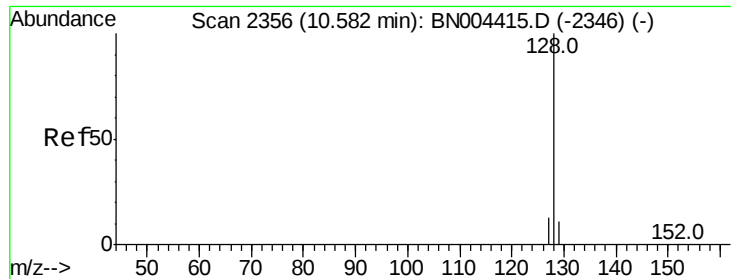
Instrument :
BNA_N
ClientSampleId :
MDL-W-06

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Quant Time: Feb 15 15:23:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 14:04:55 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.064 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

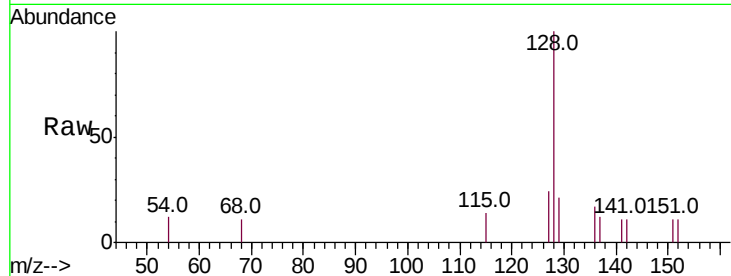
ClientSampleId :

MDL-W-06

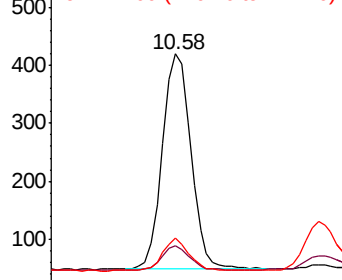
Tot Ion:	128	Resp:	655
Ion Ratio	Lower	Upper	
128	100		
129	21.0	9.8	14.6#
127	24.0	11.4	17.0#

Manual Integrations
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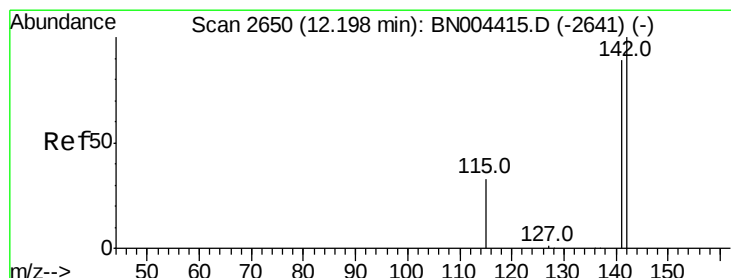
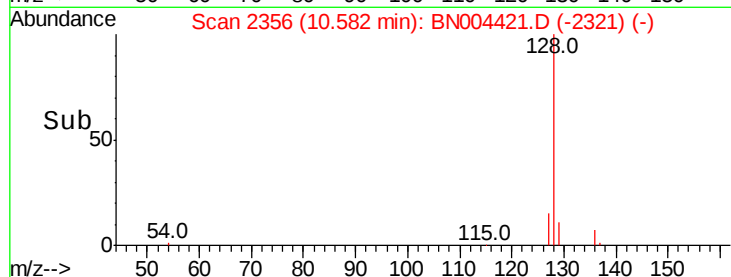
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.065 ng/ul

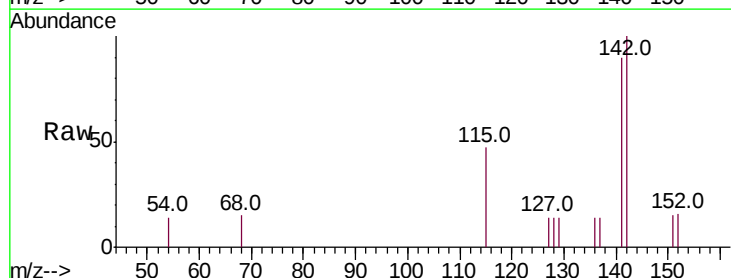
RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

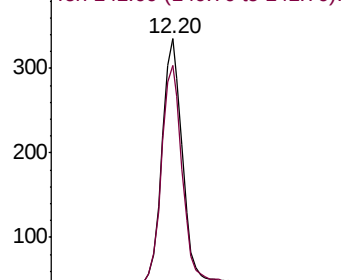
Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

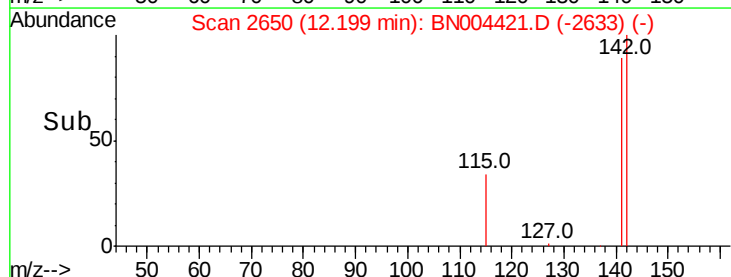
Tgt Ion:	142	Resp:	477
Ion Ratio	Lower	Upper	
142	100		
141	91.4	71.8	107.6

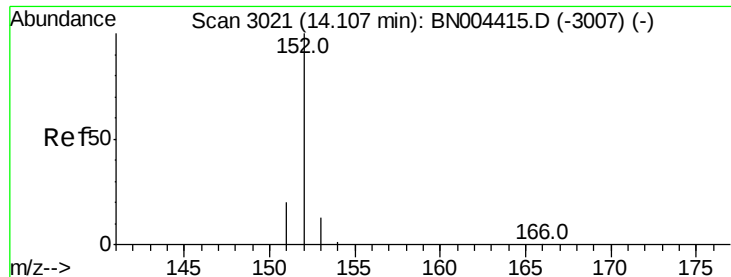


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.060 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

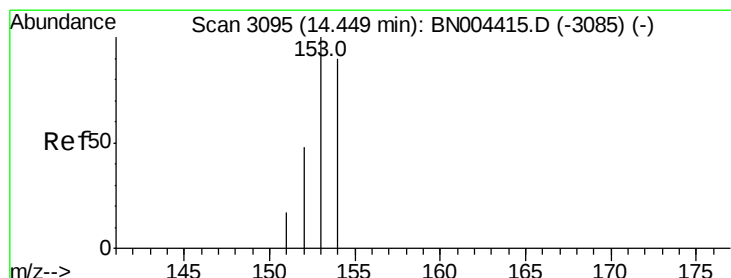
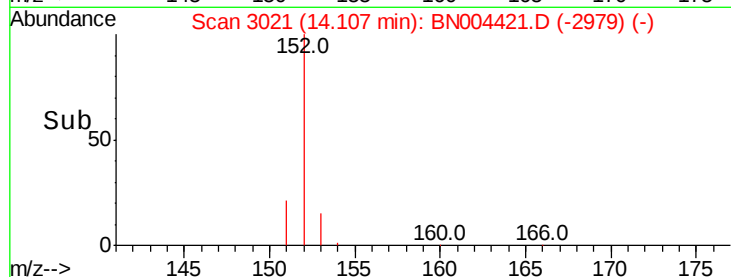
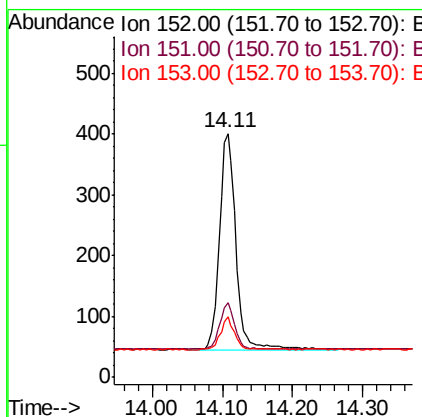
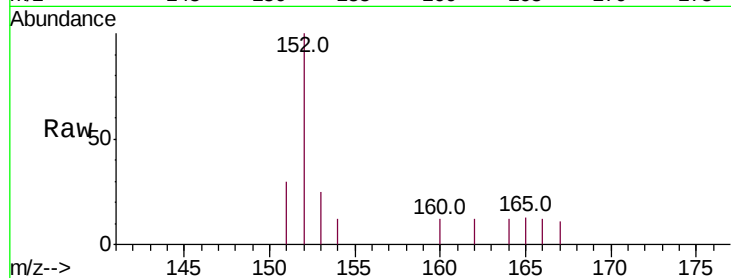
ClientSampled :

MDL-W-06

Tot Ion:	152	Resp:	593
Ion Ratio	Lower	Upper	
152	100		
151	30.4	16.6	24.8#
153	24.9	11.1	16.7#

Manual Integrations
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#8

Acenaphthene

Concen: 0.064 ng/ul

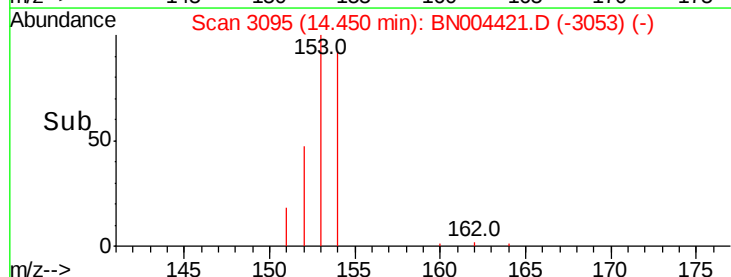
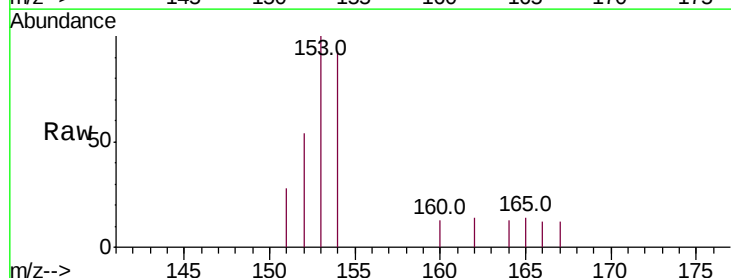
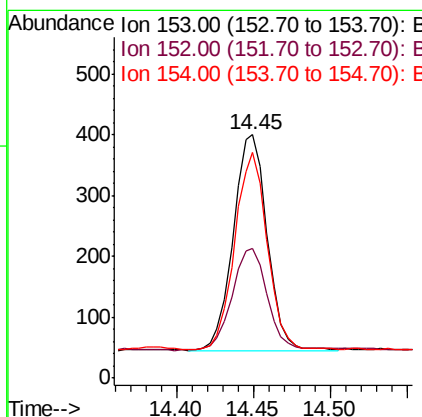
RT: 14.45 min Scan# 3095

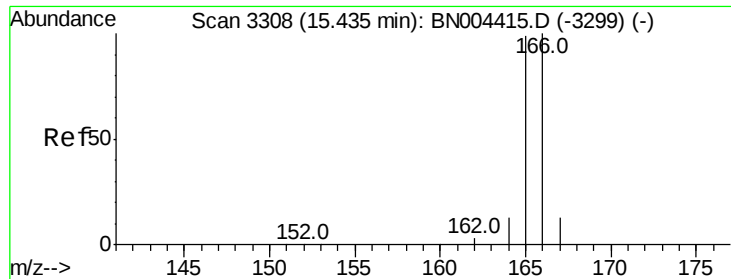
Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Tgt Ion:	153	Resp:	548
Ion Ratio	Lower	Upper	
153	100		
152	53.5	38.4	57.6
154	92.5	71.4	107.0





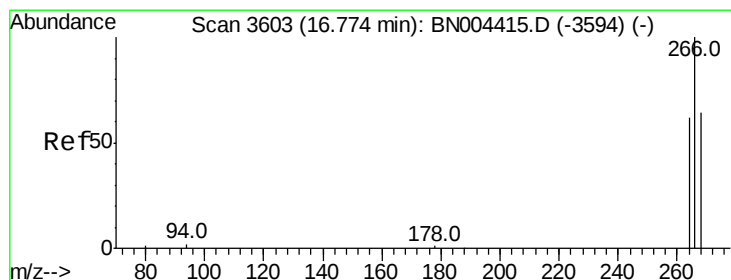
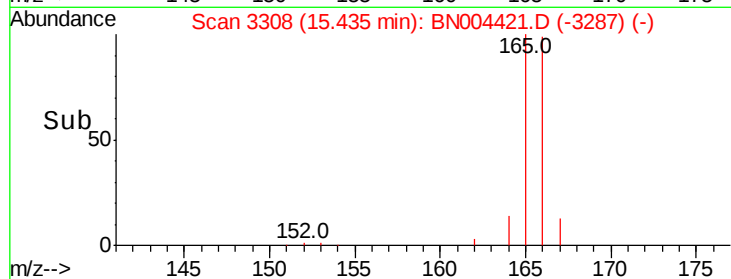
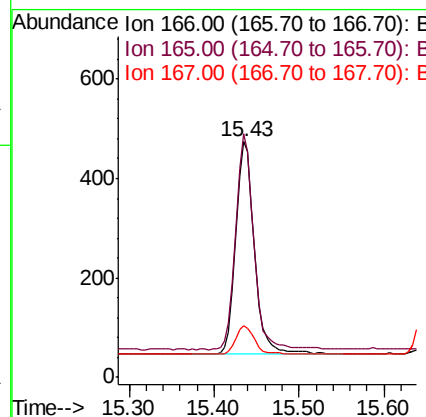
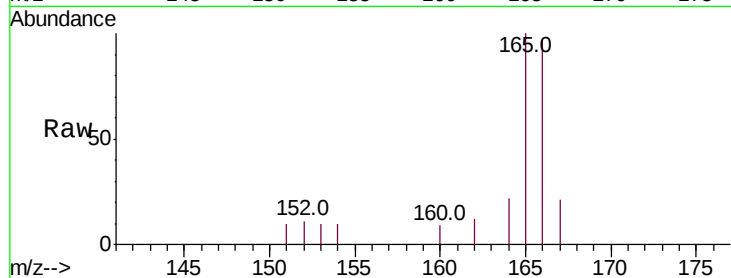
#9
Fluorene
 Concen: 0.065 ng/ul
 RT: 15.43 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BN004421.D
 Acq: 14 Feb 2019 15:40

Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-06

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.4	78.9	118.3
167	21.9	11.6	17.4

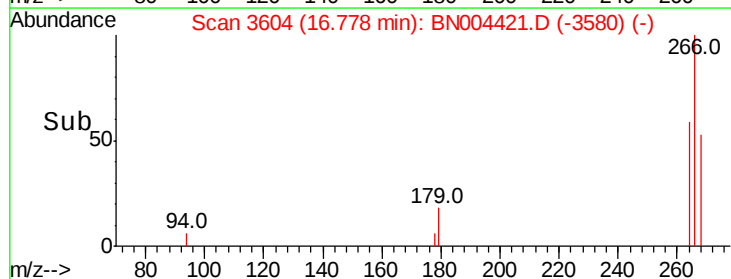
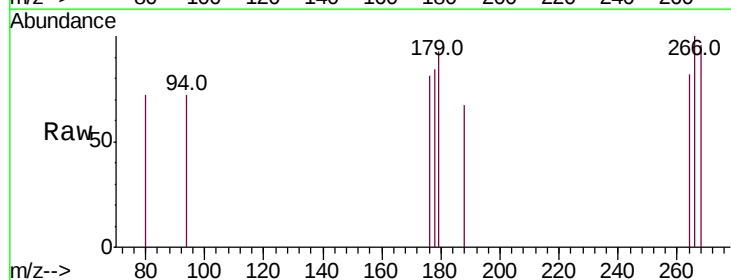
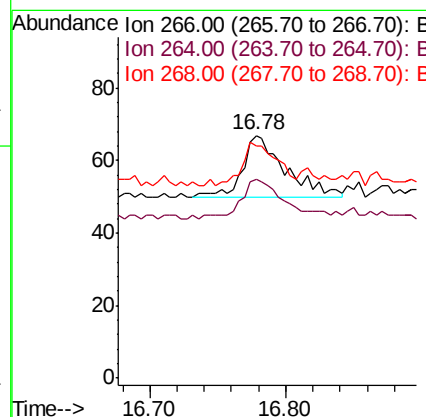
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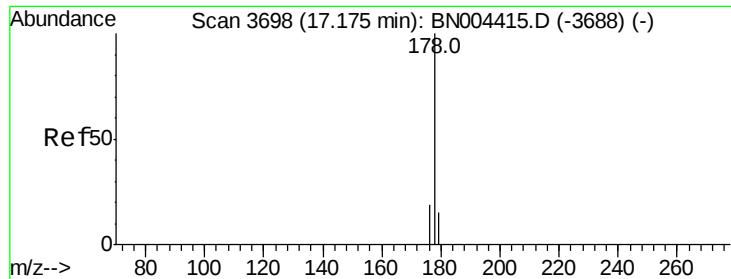
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#11
Pentachlorophenol
 Concen: 0.028 ng/ul
 RT: 16.78 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: BN004421.D
 Acq: 14 Feb 2019 15:40

Tgt Ion	Ratio	Lower	Upper
266	100		
264	48.6	52.3	78.5
268	56.8	49.0	73.6





#12

Phenanthrene

Concen: 0.064 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004421.D

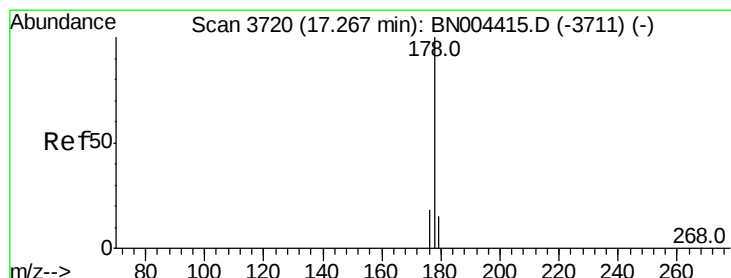
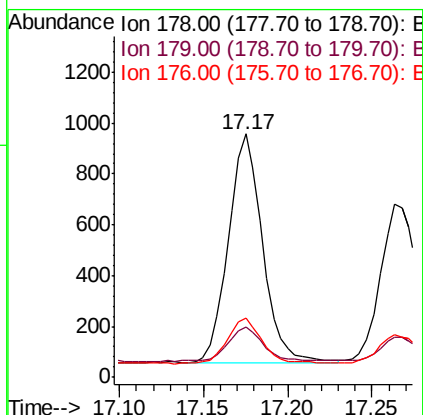
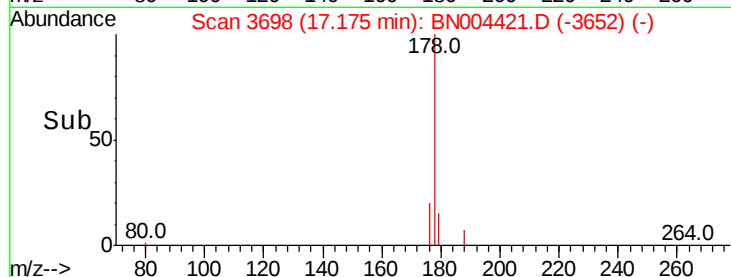
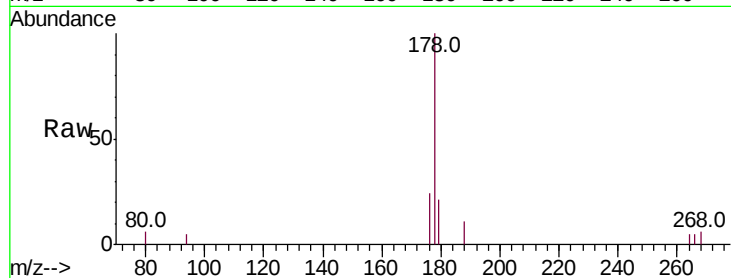
Acq: 14 Feb 2019 15:40

Instrument :
BNA_N
ClientSampled :
MDL-W-06

Tot Ion	Ratio	Lower	Upper
178	100		
179	20.9	12.6	19.0#
176	24.1	15.8	23.6#

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#13

Anthracene

Concen: 0.061 ng/ul

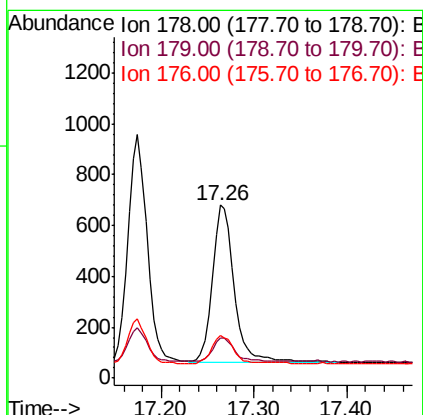
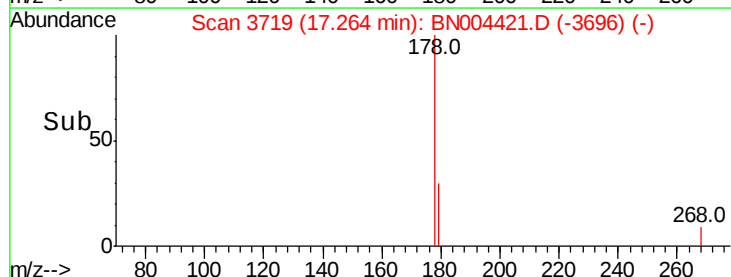
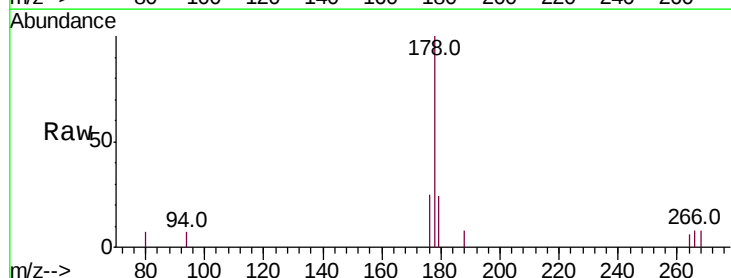
RT: 17.26 min Scan# 3719

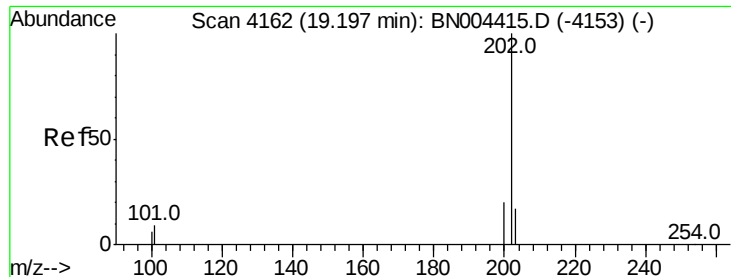
Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	23.6	13.0	19.4#
176	24.9	15.5	23.3#





#15

Fluoranthene

Concen: 0.065 ng/ul

RT: 19.20 min Scan# 4162

Delta R.T. 0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

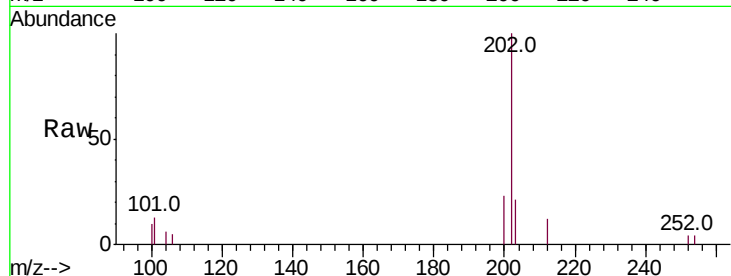
ClientSampleId :

MDL-W-06

Tot Ion:	202	Resp:	1592
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	30.4
100	10.2	0.0	27.6

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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

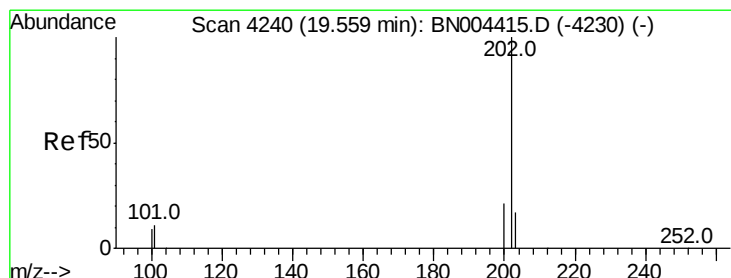
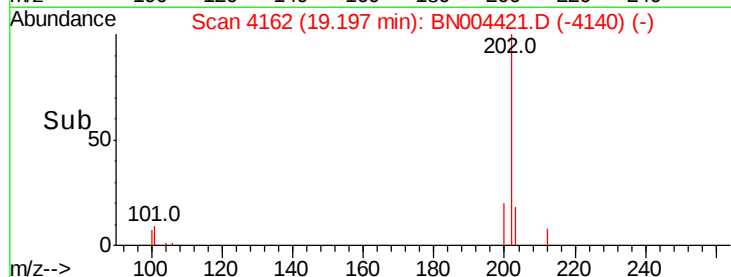
19.20

1000

500

0

Time-->



#17

Pyrene

Concen: 0.064 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Tgt Ion:	202	Resp:	1616
Ion Ratio	Lower	Upper	
202	100		
101	14.8	9.0	13.6#
100	12.5	7.4	11.0#

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

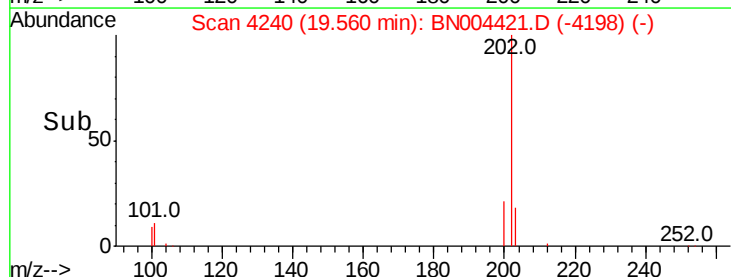
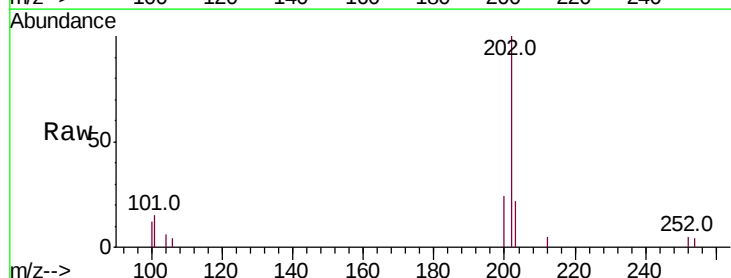
19.56

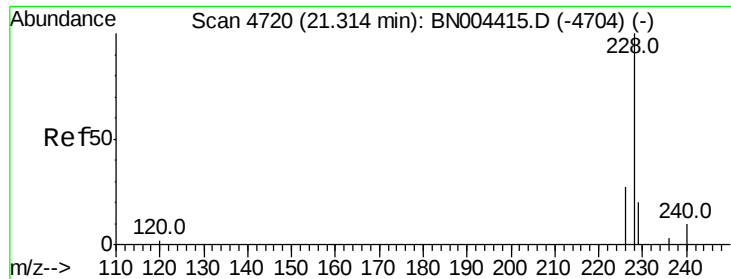
1000

500

0

Time-->





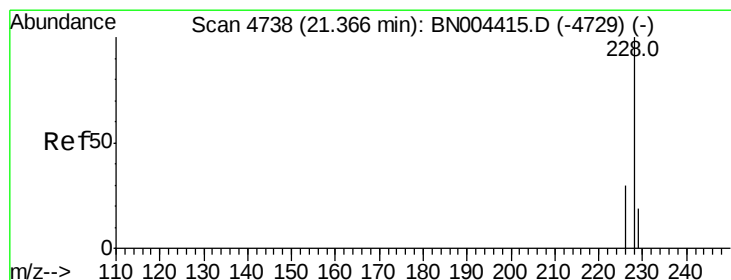
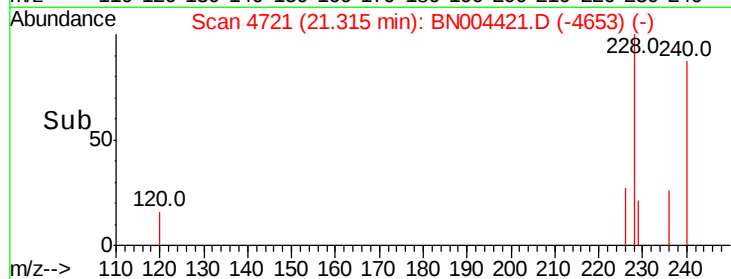
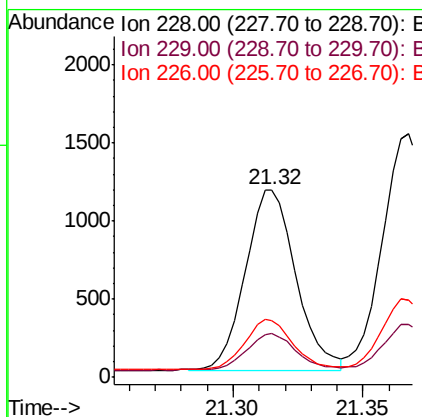
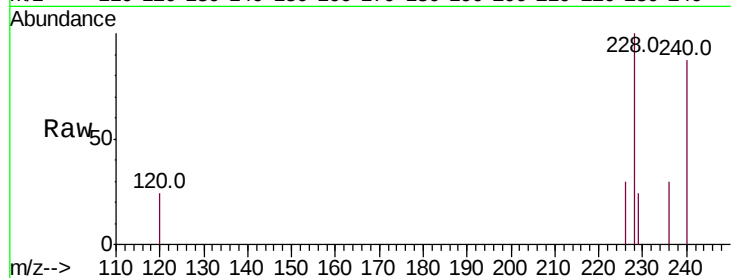
#18
Benzo(a)anthracene
Concen: 0.063 ng/ul m
RT: 21.32 min Scan# 4721
Delta R.T. -0.00 min
Lab File: BN004421.D
Acq: 14 Feb 2019 15:40

Instrument :
BNA_N
ClientSampleId :
MDL-W-06

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.6	15.7	23.5#
226	30.3	22.1	33.1

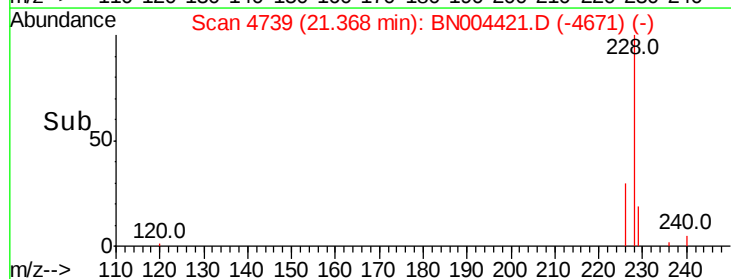
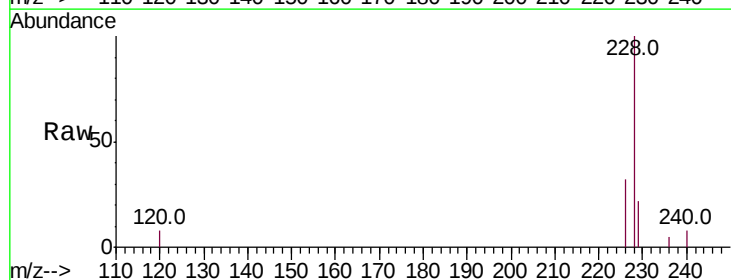
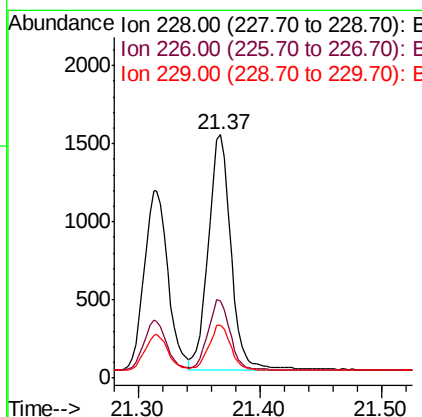
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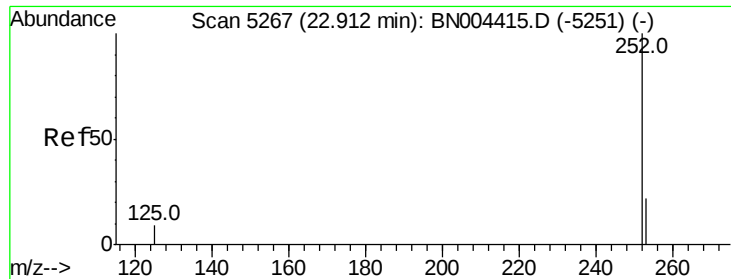
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#19
Chrysene
Concen: 0.066 ng/ul
RT: 21.37 min Scan# 4739
Delta R.T. -0.00 min
Lab File: BN004421.D
Acq: 14 Feb 2019 15:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.8	35.8
229	21.6	15.8	23.6





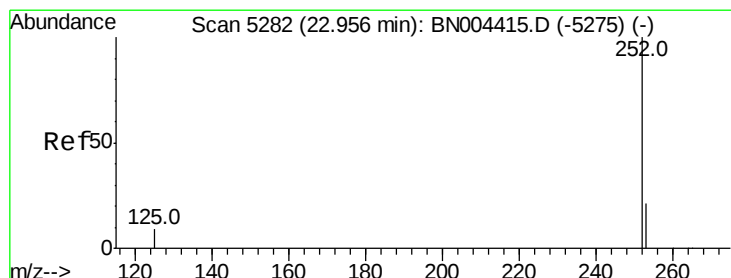
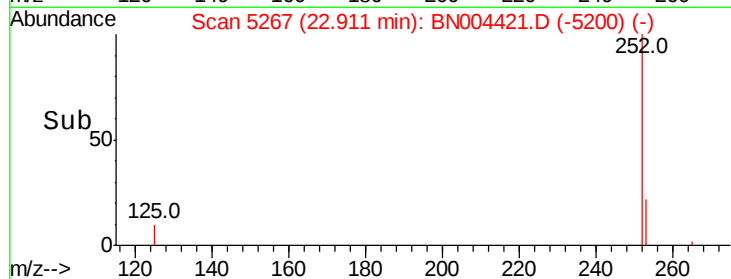
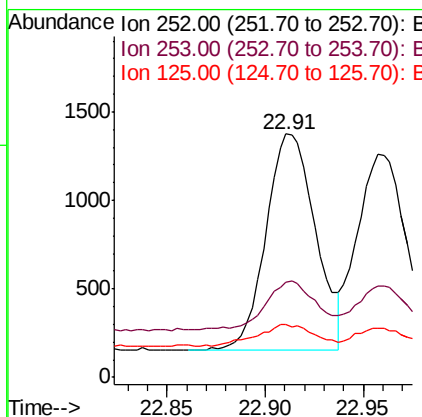
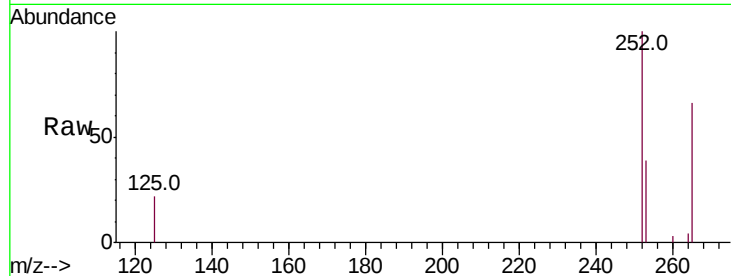
#21
Benzo(b)fluoranthene
Concen: 0.067 ng/uL
RT: 22.91 min Scan# 5267
Delta R.T. -0.00 min
Lab File: BN004421.D
Acq: 14 Feb 2019 15:40

Instrument :
BNA_N
ClientSampleId :
MDL-W-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	39.0	0.0	48.0
125	21.5	0.0	22.8

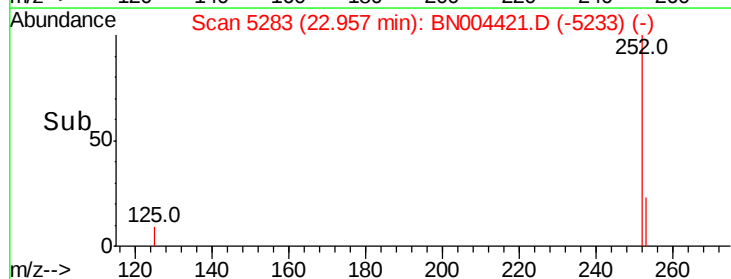
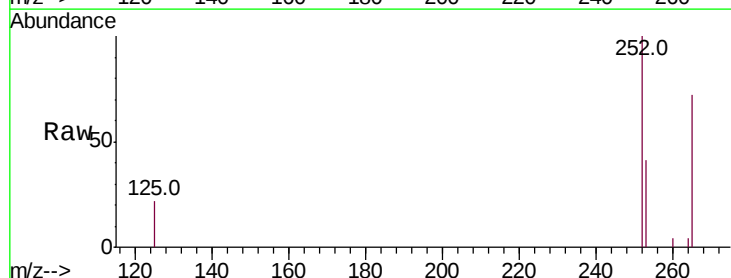
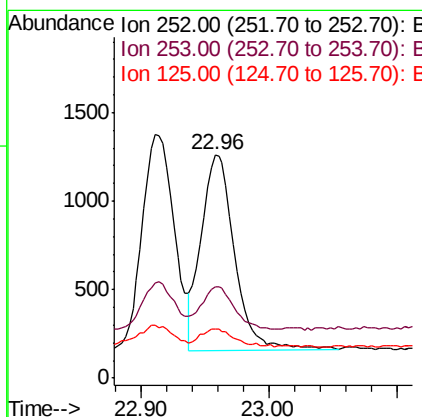
Manual Integrations
APPROVED

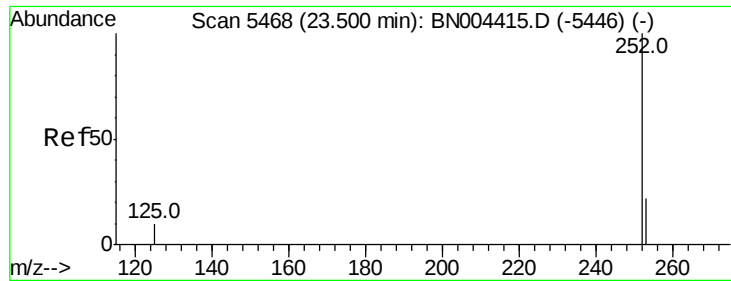
Sohil
2/15/2019 3:44:12 PM



#22
Benzo(k)fluoranthene
Concen: 0.063 ng/uL
RT: 22.96 min Scan# 5283
Delta R.T. -0.00 min
Lab File: BN004421.D
Acq: 14 Feb 2019 15:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.9	19.5	29.3#
125	22.1	9.1	13.7#





#23

Benzo(a)pyrene

Concen: 0.062 ng/ul

RT: 23.50 min Scan# 5468

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

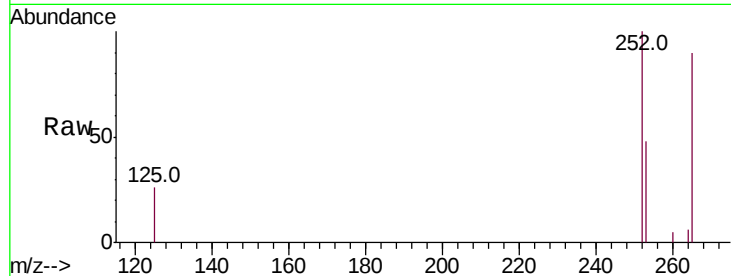
ClientSampled :

MDL-W-06

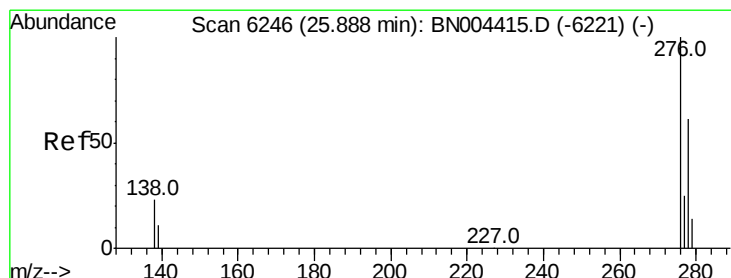
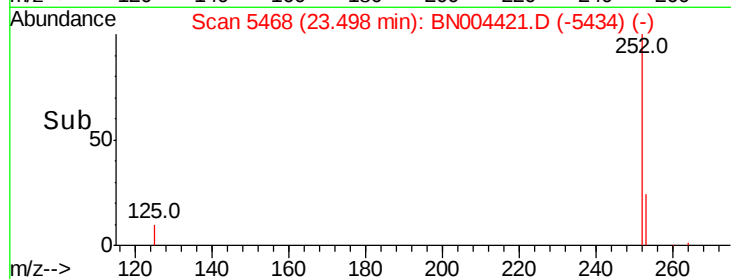
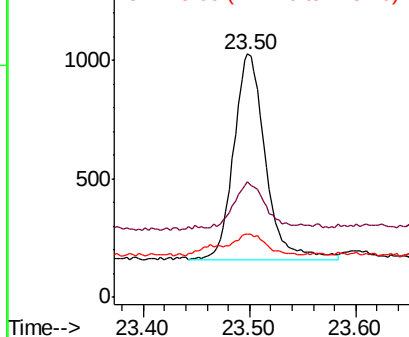
Tot Ion:	252	Resp:	1782
Ion Ratio	Lower	Upper	
252	100		
253	47.6	20.4	30.6#
125	26.2	10.6	15.8#

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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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.065 ng/ul

RT: 25.89 min Scan# 6247

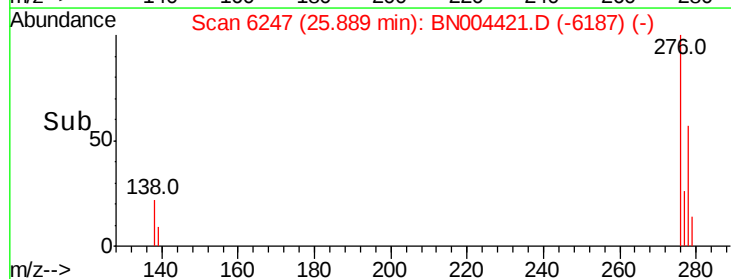
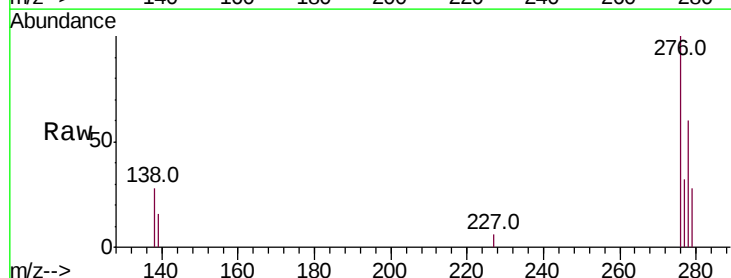
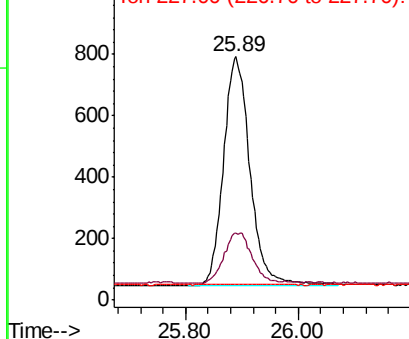
Delta R.T. -0.00 min

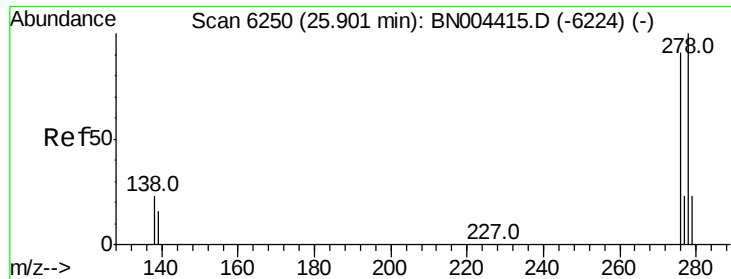
Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Tgt Ion:	276	Resp:	2479
Ion Ratio	Lower	Upper	
276	100		
138	22.9	19.1	28.7
227	0.1	0.2	0.4#

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: 0.065 ng/u1

RT: 25.91 min Scan# 6253

Delta R.T. 0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

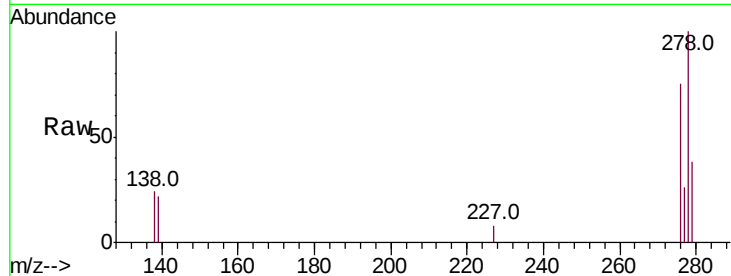
ClientSampleId :

MDL-W-06

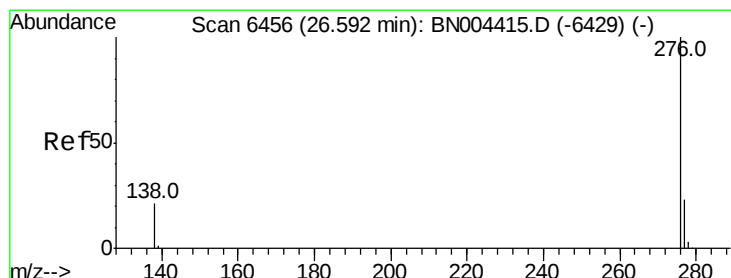
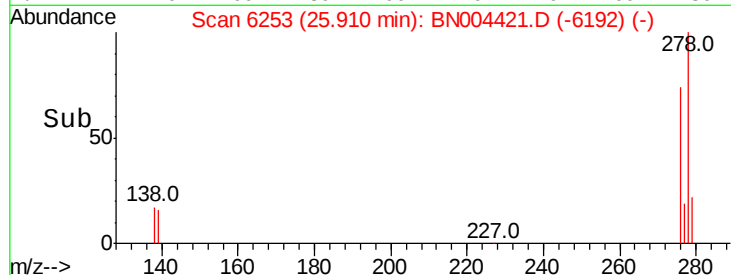
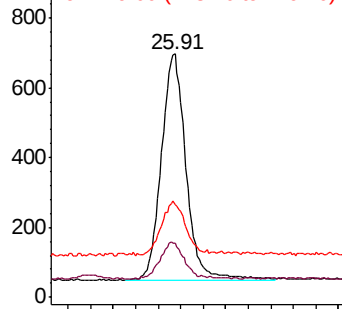
Tot Ion:	278	Resp:	1990
Ion Ratio	Lower	Upper	
278	100		
139	22.1	13.8	20.6#
279	37.9	20.4	30.6#

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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: 0.067 ng/u1

RT: 26.60 min Scan# 6458

Delta R.T. 0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Tgt Ion:	276	Resp:	2313
Ion Ratio	Lower	Upper	
276	100		
138	26.4	16.8	25.2#
277	29.6	19.4	29.0#

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

