

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121618\
 Data File : BN004031.D
 Acq On : 17 Dec 2018 12:28
 Operator : JU/SJ
 Sample : J6228-17
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F9E52

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Quant Time: Dec 17 14:52:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 17 06:22:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1648	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	8668	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5398	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	14173m	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	16136m	0.40	ng/ul	0.00
20) Perylene-d12	23.72	264	14734m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	2783	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	9220m	0.22	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.68	128	781	0.032	ng/ul#	72
5) 2-Methylnaphthalene	12.29	142	1340	0.079	ng/ul	100
7) Acenaphthylene	14.19	152	2224	0.091	ng/ul#	90
12) Phenanthrene	17.26	178	24164	0.519	ng/ul	99
13) Anthracene	17.35	178	2200m	0.058	ng/ul	
15) Fluoranthene	19.28	202	31815m	0.579	ng/ul	
17) Pyrene	19.64	202	41686	0.720	ng/ul	99
18) Benzo(a)anthracene	21.39	228	15516m	0.304	ng/ul	
19) Chrysene	21.44	228	30606m	0.525	ng/ul	
21) Benzo(b)fluoranthene	23.02	252	25416m	0.417	ng/ul	
22) Benzo(k)fluoranthene	23.06	252	8866m	0.149	ng/ul	
23) Benzo(a)pyrene	23.63	252	14514m	0.275	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.09	276	10681m	0.176	ng/ul	
25) Dibenzo(a,h)anthracene	26.09	278	3788m	0.078	ng/ul	
26) Benzo(g,h,i)perylene	26.82	276	11023m	0.210	ng/ul	

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

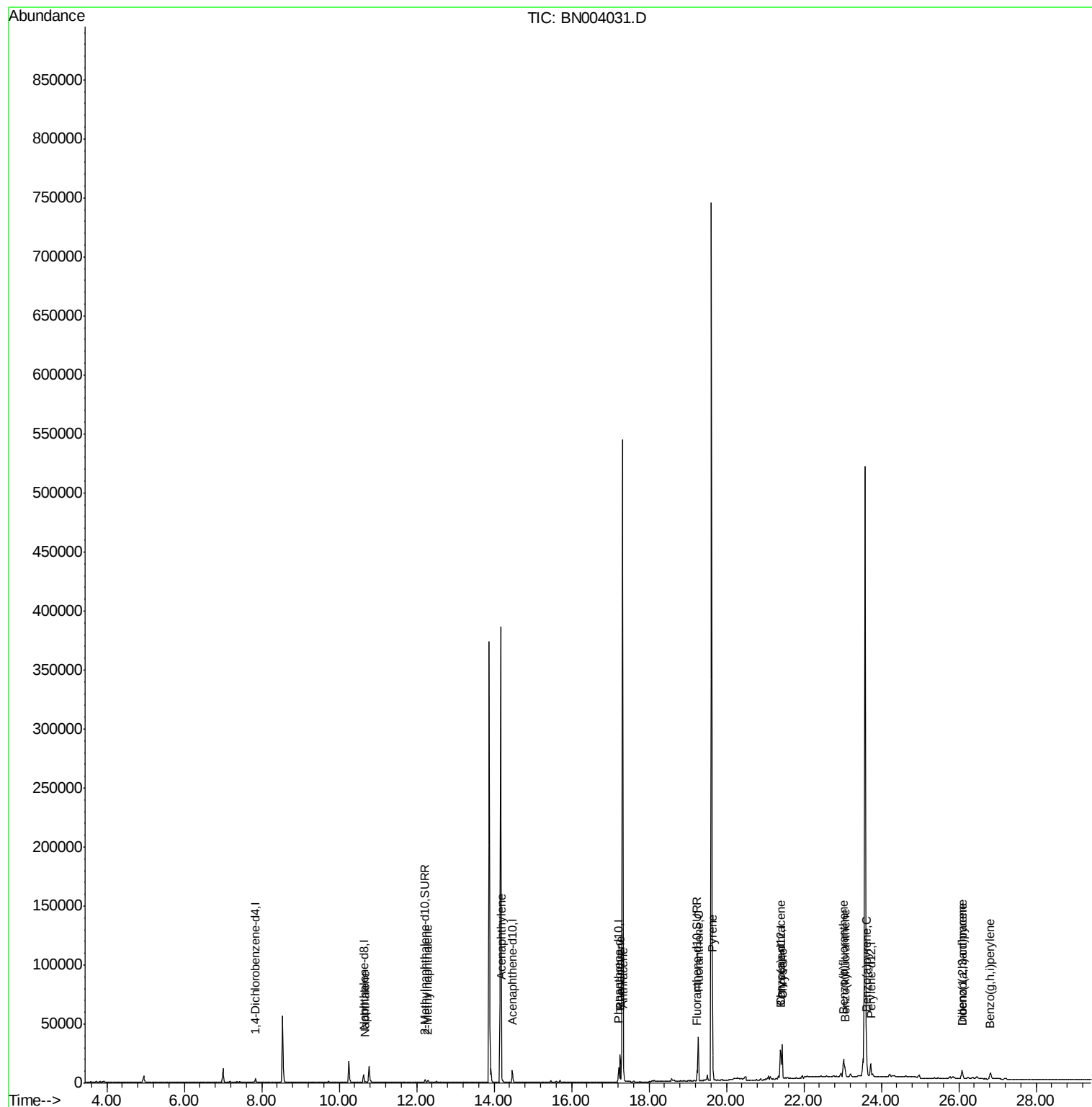
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121618\
Data File : BN004031.D
Acq On : 17 Dec 2018 12:28
Operator : JU/SJ
Sample : J6228-17
Misc :
ALS Vial : 44 Sample Multiplier: 1

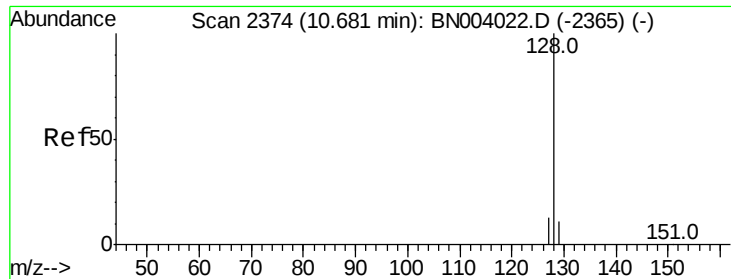
Instrument :
BNA_N
ClientSampleId :
F9E52

Quant Time: Dec 17 14:52:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 06:22:23 2018
Response via : Initial Calibration

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#3

Naphthalene

Concen: 0.032 ng/ul

RT: 10.68 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

Instrument :

BNA_N

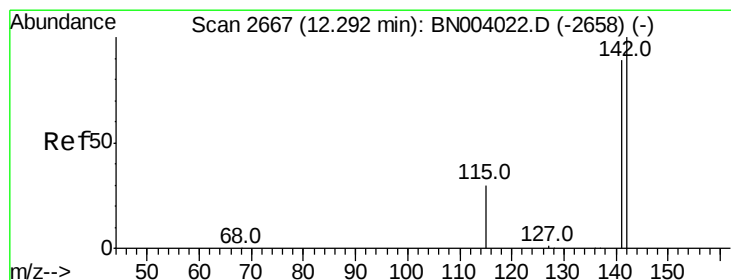
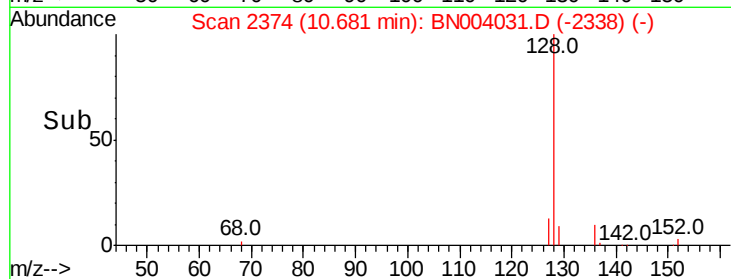
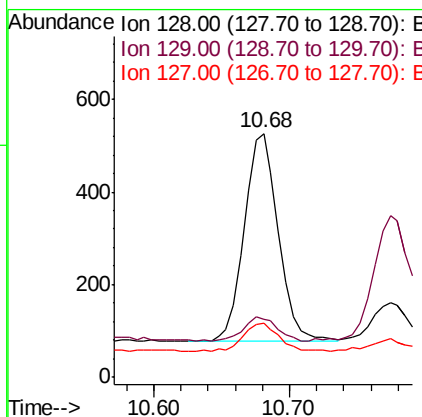
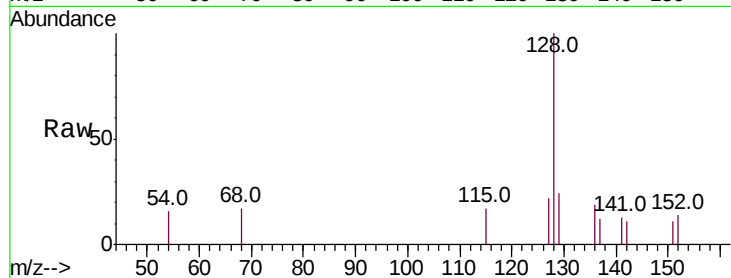
ClientSampleId :

F9E52

Tot Ion:	128	Resp:	781
Ion Ratio	Lower	Upper	
128	100		
129	23.8	9.0	13.6#
127	22.4	10.5	15.7#

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#5

2-Methylnaphthalene

Concen: 0.079 ng/ul

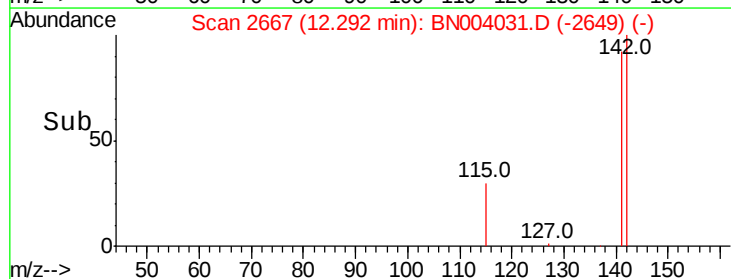
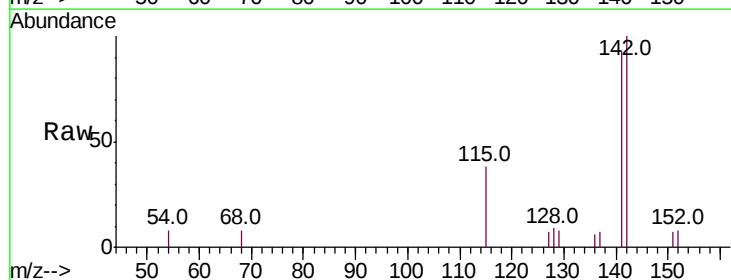
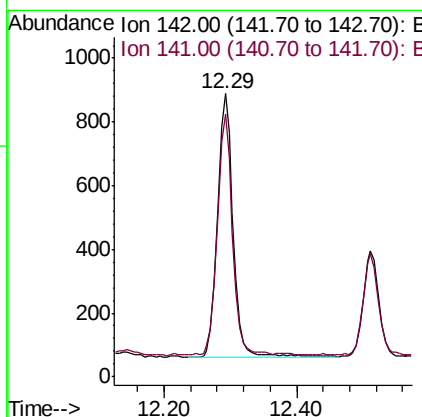
RT: 12.29 min Scan# 2667

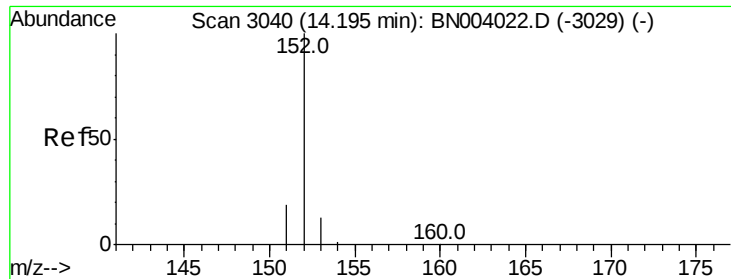
Delta R.T. -0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

Tgt Ion:	142	Resp:	1340
Ion Ratio	Lower	Upper	
142	100		
141	89.0	71.5	107.3





#7

Acenaphthylene

Concen: 0.091 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

Instrument :

BNA_N

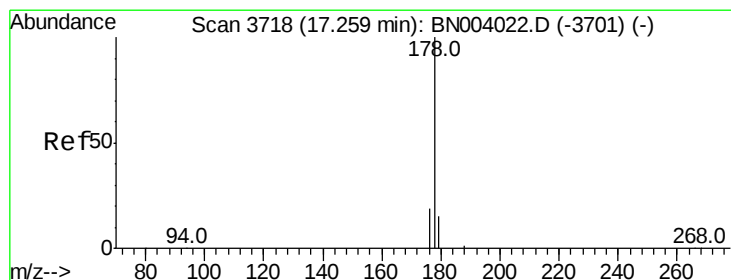
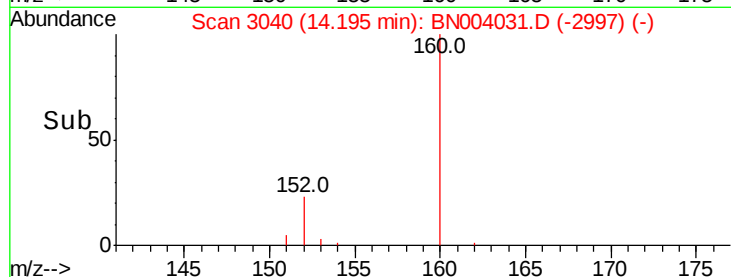
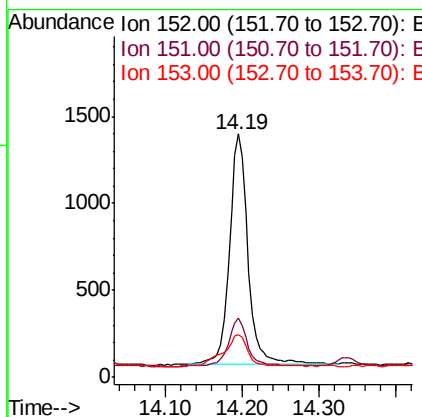
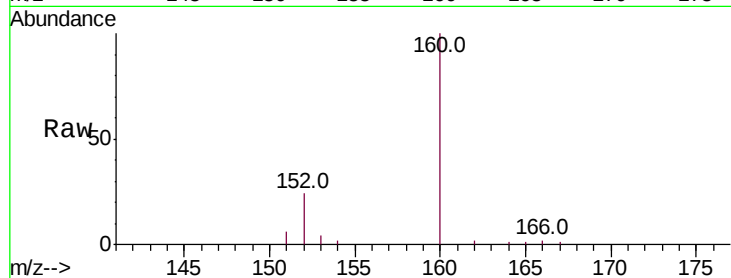
ClientSampled :

F9E52

Tot Ion:	152	Resp:	2224
Ion Ratio	Lower	Upper	
152	100		
151	24.1	15.9	23.9#
153	17.7	10.7	16.1#

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#12

Phenanthrene

Concen: 0.519 ng/ul

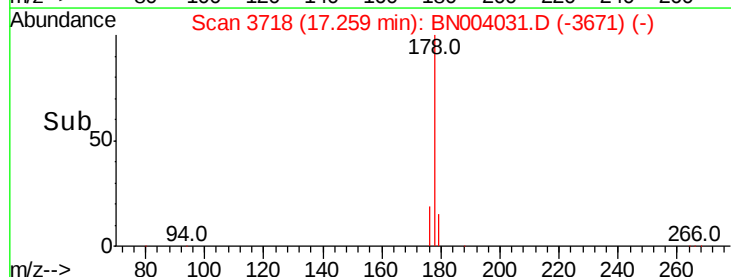
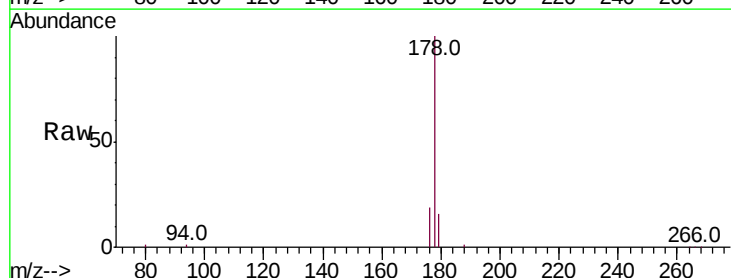
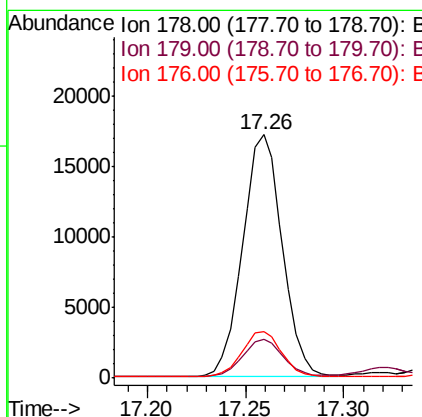
RT: 17.26 min Scan# 3718

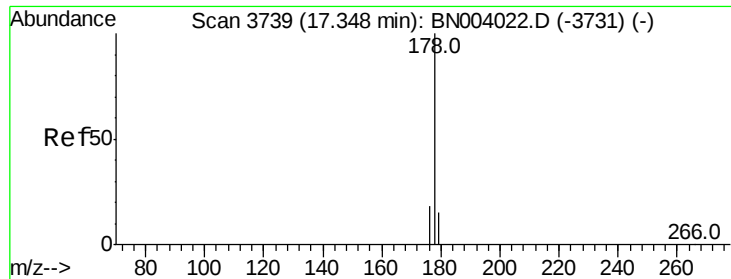
Delta R.T. -0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

Tgt Ion:	178	Resp:	24164
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.5	18.7
176	19.3	15.0	22.4





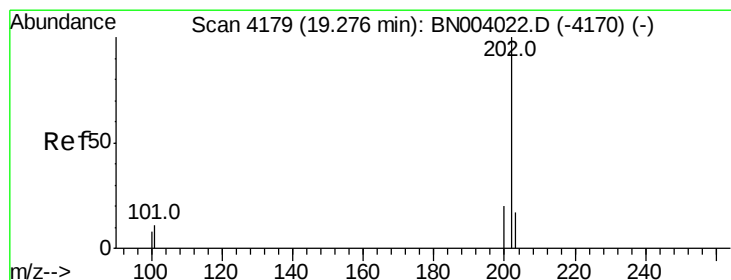
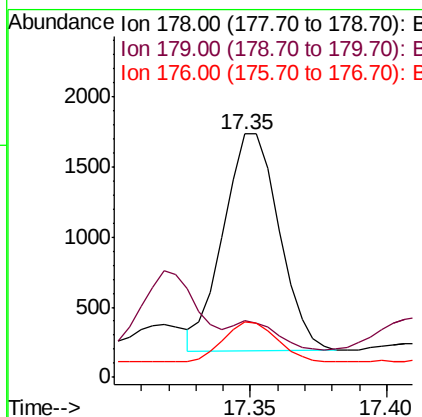
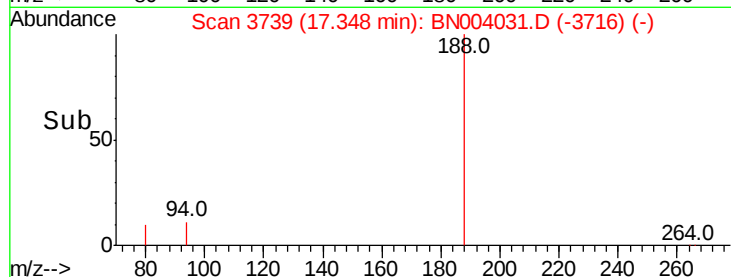
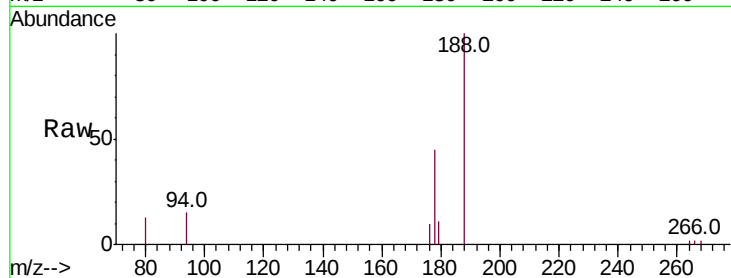
#13
 Anthracene
 Concen: 0.058 ng/ul m
 RT: 17.35 min Scan# 3739
 Delta R.T. -0.00 min
 Lab File: BN004031.D
 Acq: 17 Dec 2018 12:28

Instrument :
 BNA_N
 ClientSampleId :
 F9E52

Tot Ion	Ratio	Lower	Upper
178	100		
179	23.2	12.3	18.5#
176	22.9	14.8	22.2#

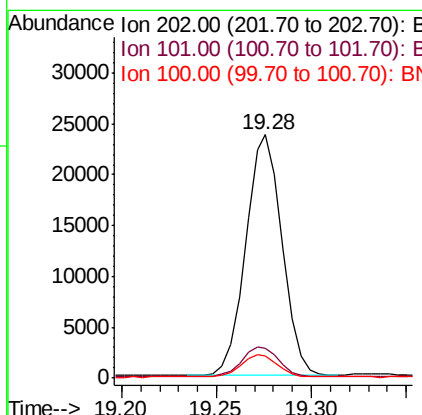
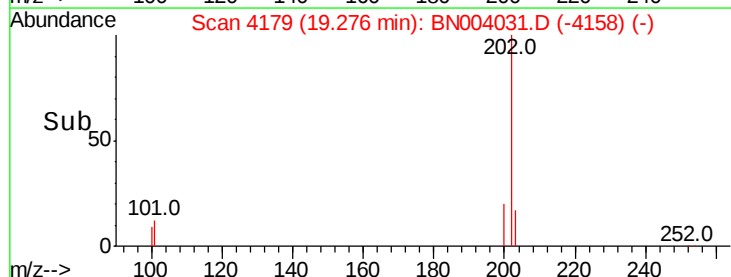
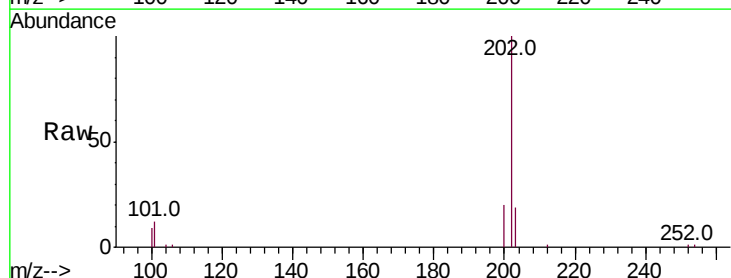
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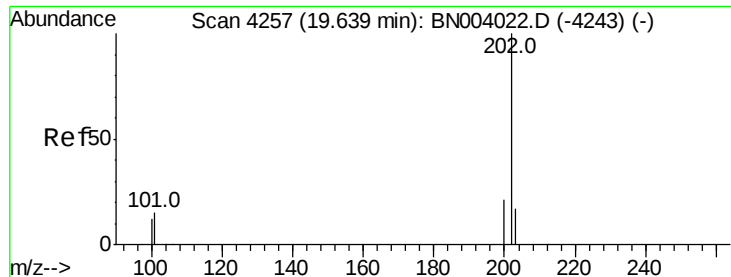
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#15
 Fluoranthene
 Concen: 0.579 ng/ul m
 RT: 19.28 min Scan# 4179
 Delta R.T. -0.00 min
 Lab File: BN004031.D
 Acq: 17 Dec 2018 12:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	30.7
100	9.1	0.0	28.1





#17

Pvrene

Concen: 0.720 ng/ul

RT: 19.64 min Scan# 4258

Delta R.T. 0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

Instrument :

BNA_N

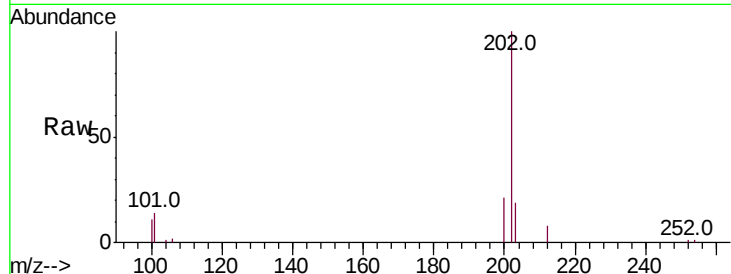
ClientSampleId :

F9E52

Tot Ion:	202	Resp:	41686
Ion Ratio	Lower	Upper	
202	100		
101	13.9	10.3	15.5
100	10.7	8.5	12.7

Manual Integrations
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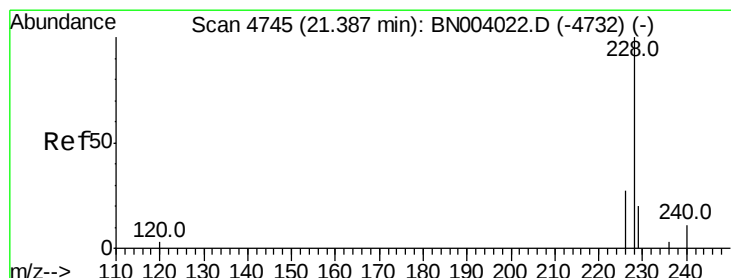
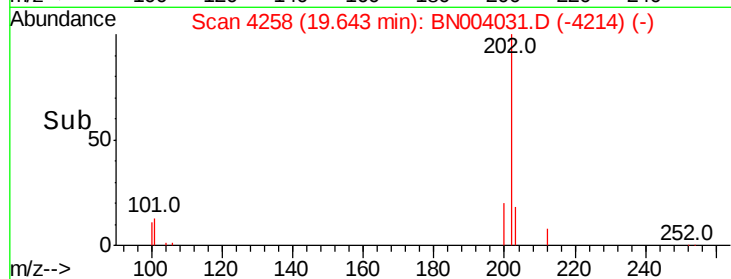
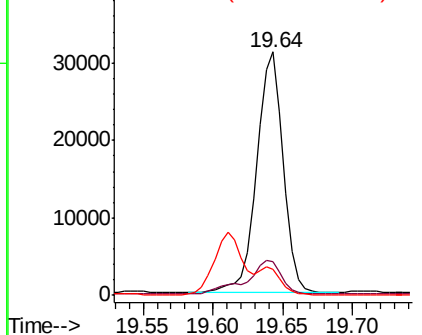
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#18

Benzo(a)anthracene

Concen: 0.304 ng/ul m

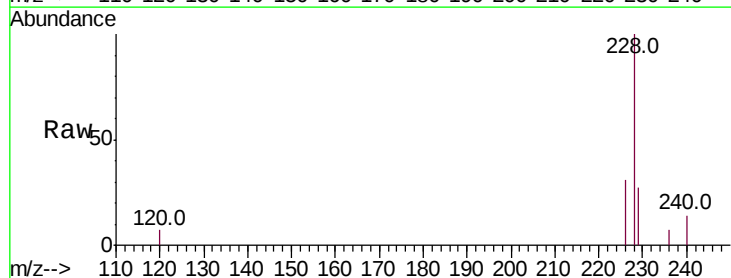
RT: 21.39 min Scan# 4745

Delta R.T. 0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

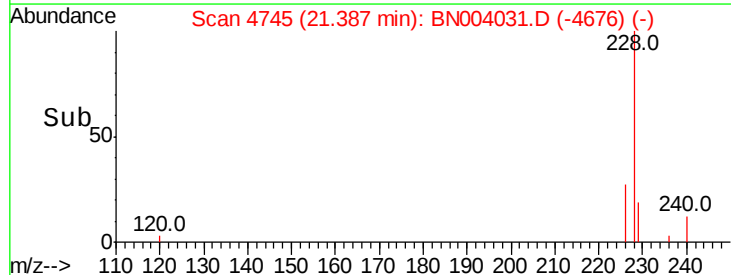
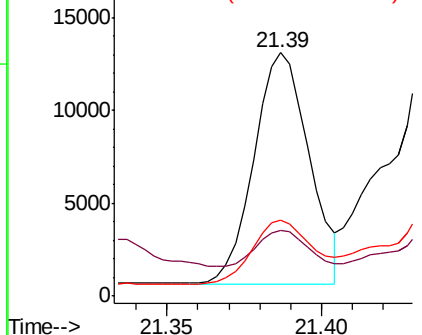
Tgt Ion:	228	Resp:	15516
Ion Ratio	Lower	Upper	
228	100		
229	27.0	15.6	23.4#
226	31.0	21.1	31.7

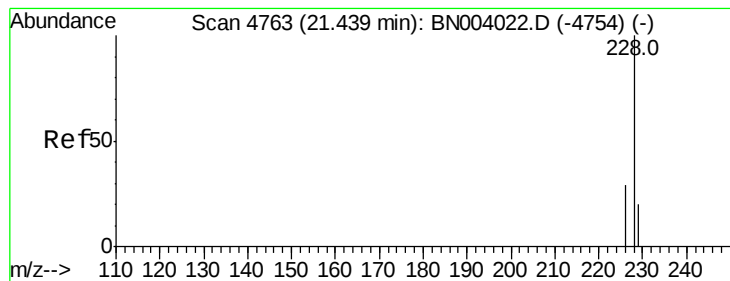


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.525 ng/ul m

RT: 21.44 min Scan# 4763

Delta R.T. -0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

Instrument :

BNA_N

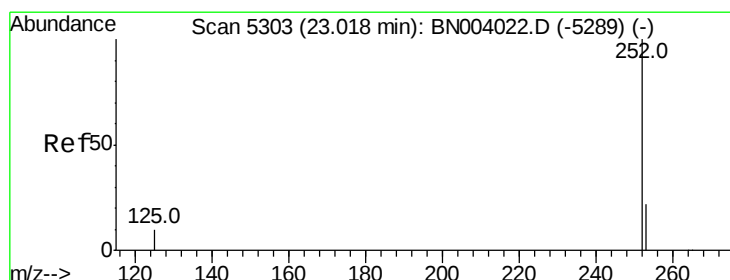
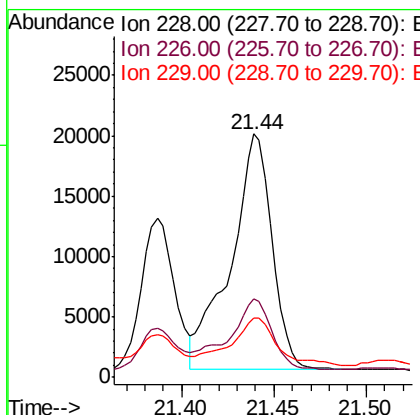
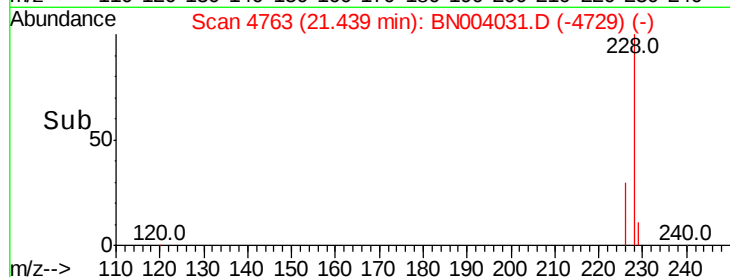
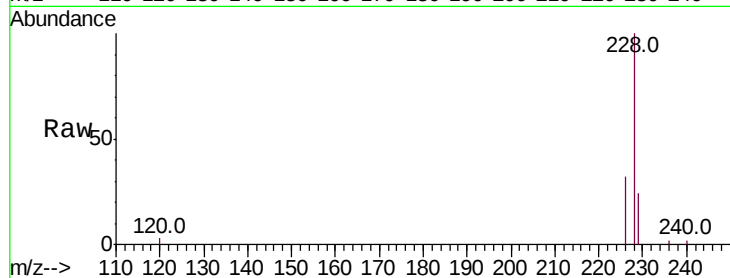
ClientSampled :

F9E52

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	24.4	15.7	23.5

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#21

Benzo(b)fluoranthene

Concen: 0.417 ng/ul m

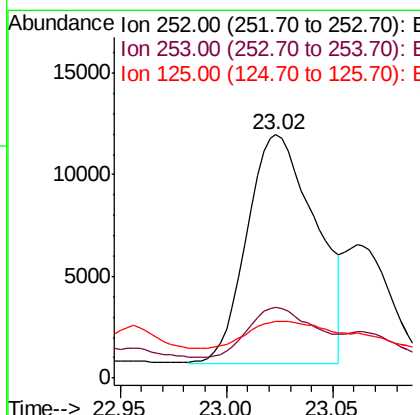
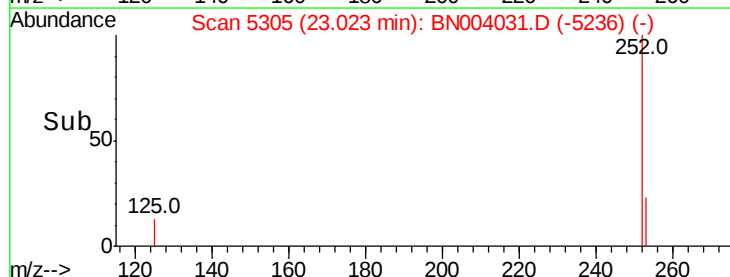
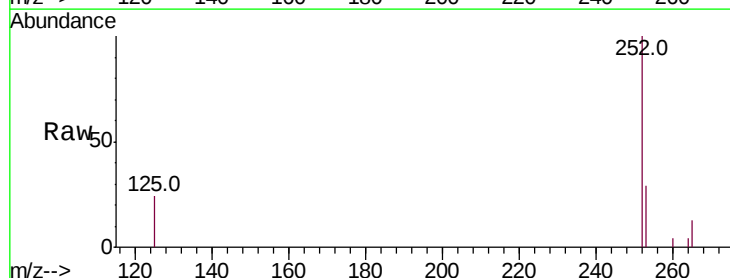
RT: 23.02 min Scan# 5305

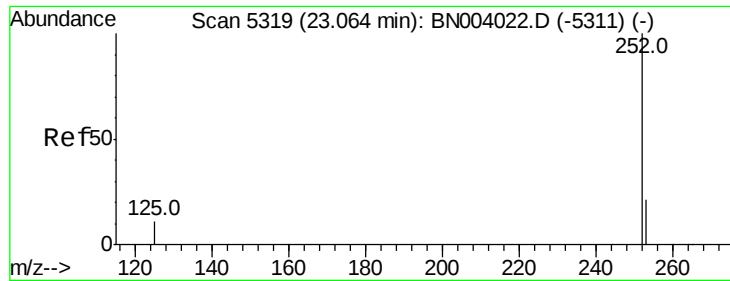
Delta R.T. 0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	0.0	46.0
125	23.5	0.0	22.4





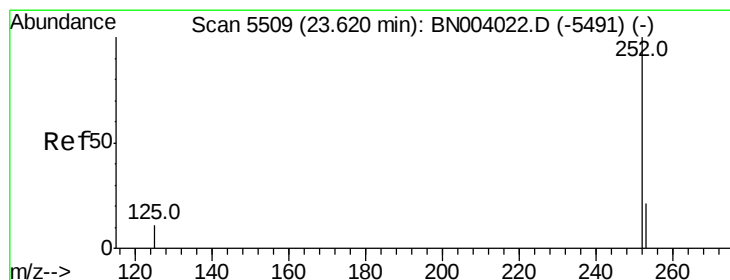
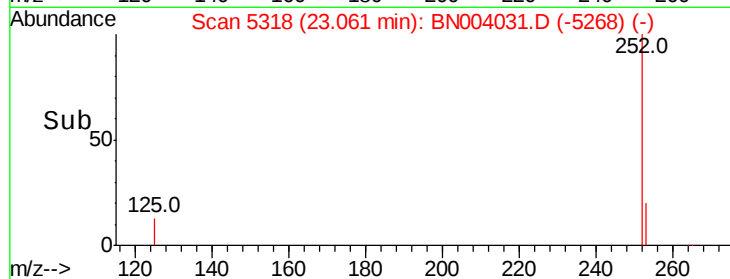
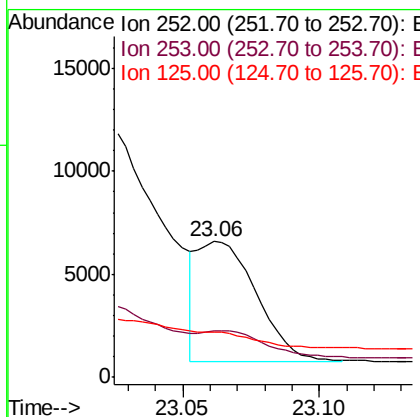
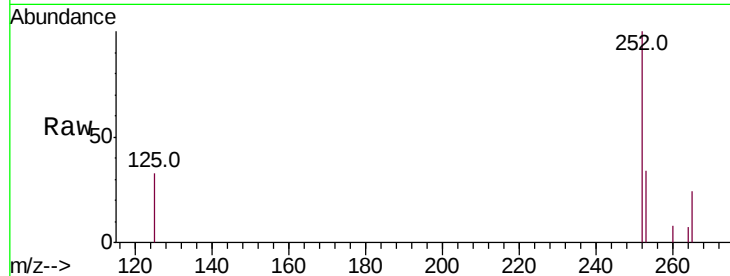
#22
Benzo(k)fluoranthene
Concen: 0.149 ng/ul m
RT: 23.06 min Scan# 5318
Delta R.T. -0.00 min
Lab File: BN004031.D
Acq: 17 Dec 2018 12:28

Instrument :
BNA_N
ClientSampled :
F9E52

Tot Ion:252 Resp: 8866
Ion Ratio Lower Upper
252 100
253 34.3 18.5 27.7#
125 33.4 9.0 13.6#

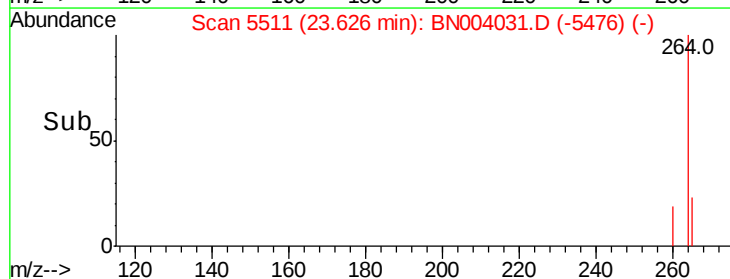
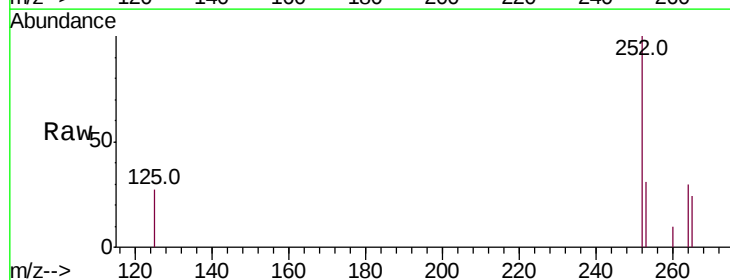
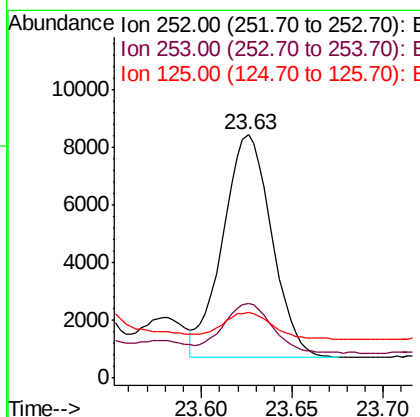
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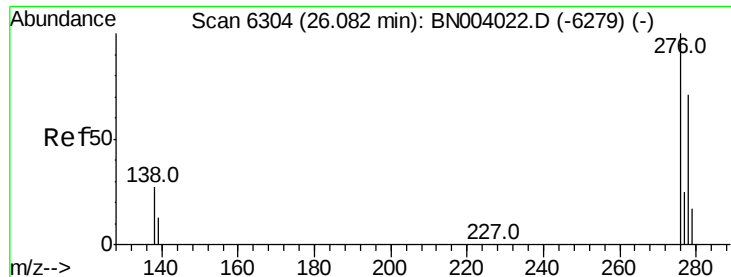
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#23
Benzo(a)pyrene
Concen: 0.275 ng/ul m
RT: 23.63 min Scan# 5511
Delta R.T. 0.00 min
Lab File: BN004031.D
Acq: 17 Dec 2018 12:28

Tgt Ion:252 Resp: 14514
Ion Ratio Lower Upper
252 100
253 30.7 19.0 28.4#
125 27.1 10.2 15.4#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.176 ng/ul m

RT: 26.09 min Scan# 6306

Delta R.T. 0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

Instrument :

BNA_N

ClientSampled :

F9E52

Tot Ion:276 Resp: 10681

Ion Ratio Lower Upper

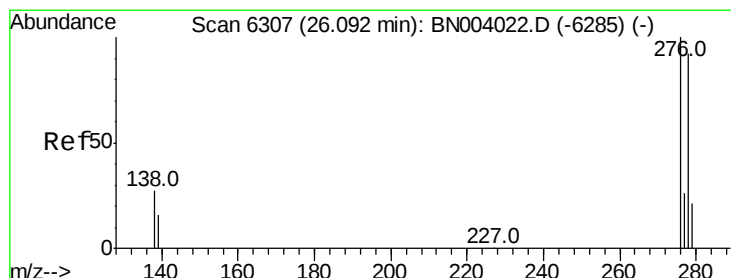
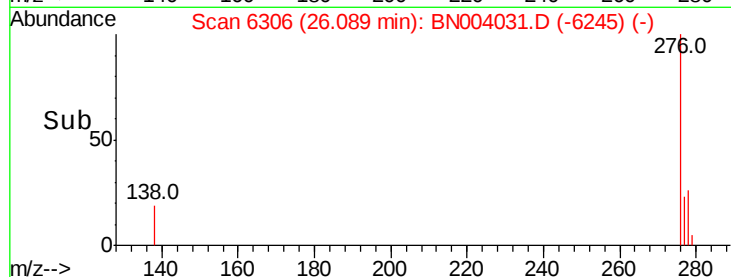
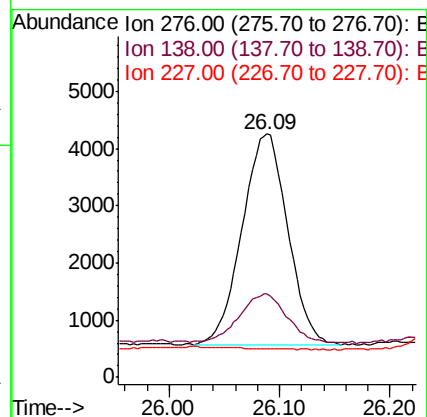
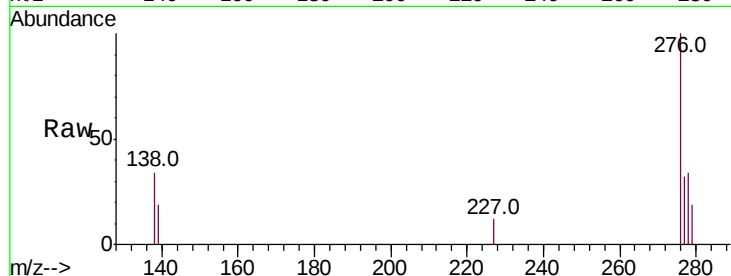
276 100

138 2.7 20.3 30.5#

227 0.0 0.2 0.2#

Manual Integrations
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#25

Dibenzo(a,h)anthracene

Concen: 0.078 ng/ul m

RT: 26.09 min Scan# 6307

Delta R.T. -0.00 min

Lab File: BN004031.D

Acq: 17 Dec 2018 12:28

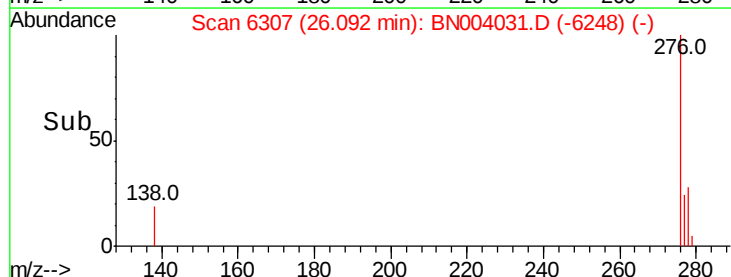
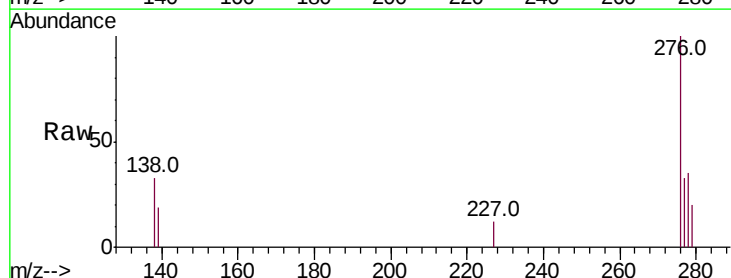
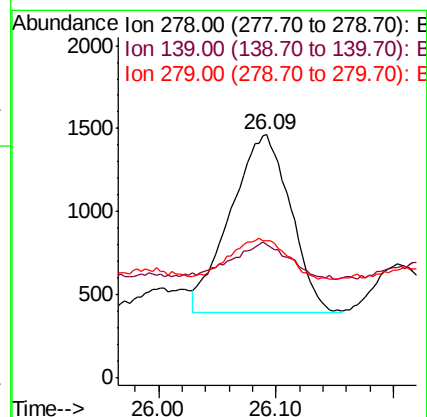
Tgt Ion:278 Resp: 3788

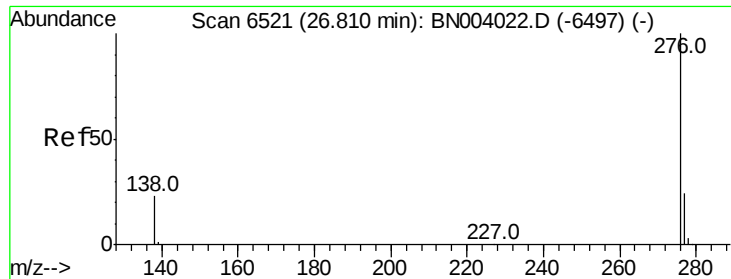
Ion Ratio Lower Upper

278 100

139 55.1 14.2 21.4#

279 56.7 19.8 29.6#





#26
 Benzo(a,h,i)perylene
 Concen: 0.210 ng/ul m
 RT: 26.82 min Scan# 6524
 Delta R.T. 0.00 min
 Lab File: BN004031.D
 Acq: 17 Dec 2018 12:28

Instrument :
 BNA_N
 ClientSampleId :
 F9E52

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.0	17.7	26.5#
277	32.6	19.3	28.9#

Manual Integrations
 APPROVED

Sohil
 12/17/2018 4:29:05 PM

