

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN042618\
 Data File : BN000963.D
 Acq On : 27 Apr 2018 11:28
 Operator : JU/SJ
 Sample : J2526-12DL 20X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAS60DL

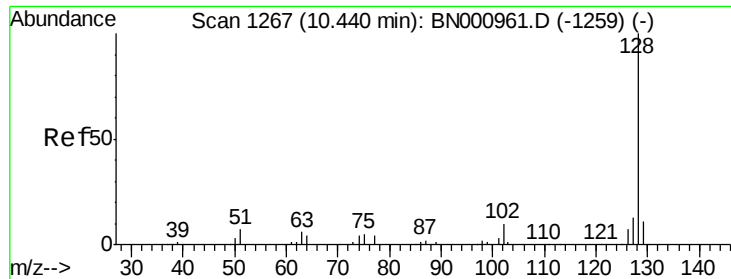
Manual Integrations
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Quant Time: Apr 27 16:25:12 2018
 Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 27 09:25:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	106474	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	438194	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	217060	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	438895	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	421248	20.00	ng/ul	0.00
22) Perylene-d12	23.41	264	461112	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	33728	1.62	ng/ul	0.00
10) Fluorene-d10	15.25	176	25143	1.81	ng/ul	0.00
14) Anthracene-d10	17.10	188	36224	1.80	ng/ul	0.00
18) Pyrene-d10	19.41	212	37063	1.72	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	39757	1.83	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.44	128	165276	7.484	ng/ul	100
4) 2-Methylnaphthalene	12.06	142	81831	5.554	ng/ul	99
5) 1-Methylnaphthalene	12.27	142	83761	5.796	ng/ul#	91
8) Acenaphthylene	13.97	152	28543	1.383	ng/ul#	92
9) Acenaphthene	14.32	153	127269	8.928	ng/ul	95
11) Fluorene	15.31	166	112362	7.404	ng/ul	92
13) Phenanthrene	17.05	178	1761850	73.602	ng/ul	99
15) Anthracene	17.14	178	434023	18.077	ng/ul	98
16) Fluoranthene	19.07	202	2090686	86.084	ng/ul#	93
19) Pyrene	19.44	202	1804735	66.700	ng/ul#	89
20) Benzo(a)anthracene	21.20	228	1052712	41.805	ng/ul	98
21) Chrysene	21.25	228	905269	38.249	ng/ul	97
23) Benzo(b)fluoranthene	22.77	252	1384944m	52.850	ng/ul	
24) Benzo(k)fluoranthene	22.80	252	445909m	17.390	ng/ul	
26) Benzo(a)pyrene	23.32	252	944021	37.694	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.60	276	654719	21.644	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.60	278	190368	7.551	ng/ul#	80
29) Benzo(g,h,i)perylene	26.27	276	514601	20.340	ng/ul#	92

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



#3

Naphthalene

Concen: 7.484 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.00 min

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Instrument :

BNA_N

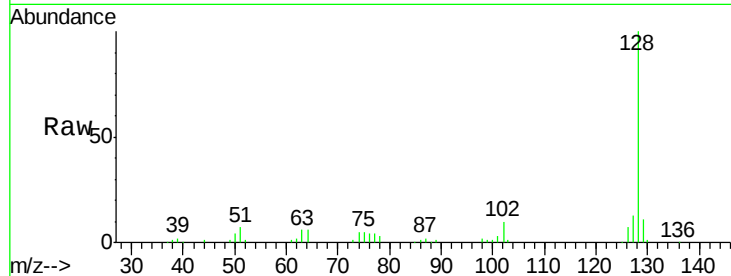
ClientSampled :

DAS60DL

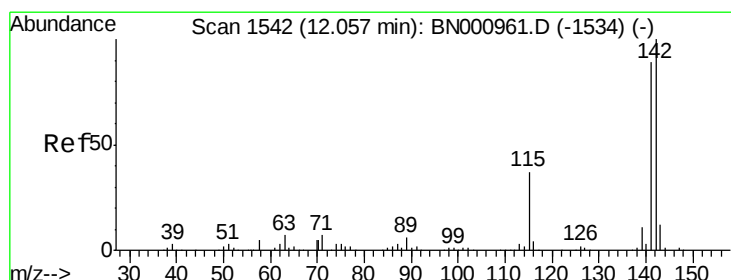
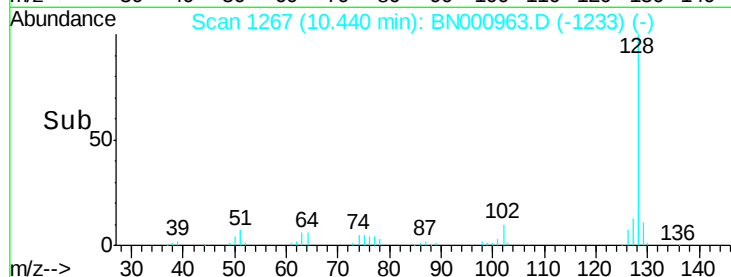
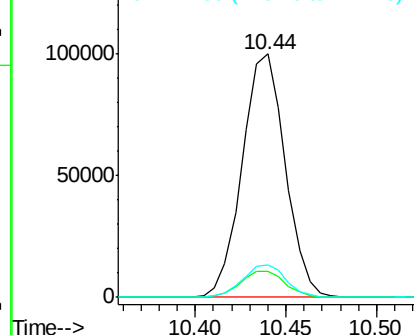
Tgt Ion:	128	Resp:	165276
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.7	13.1
127	13.5	10.6	16.0

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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



#4

2-Methylnaphthalene

Concen: 5.554 ng/ul

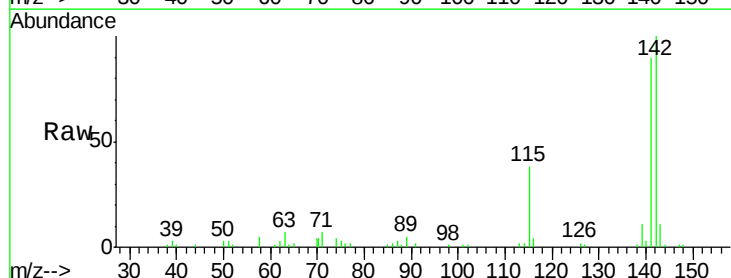
RT: 12.06 min Scan# 1542

Delta R.T. 0.00 min

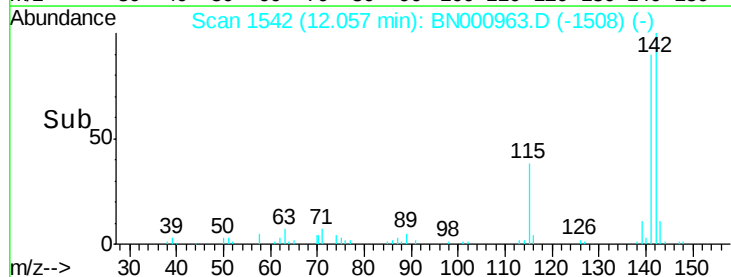
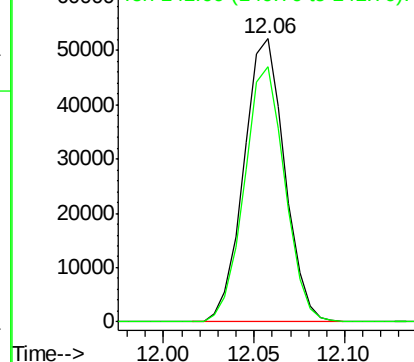
Lab File: BN000963.D

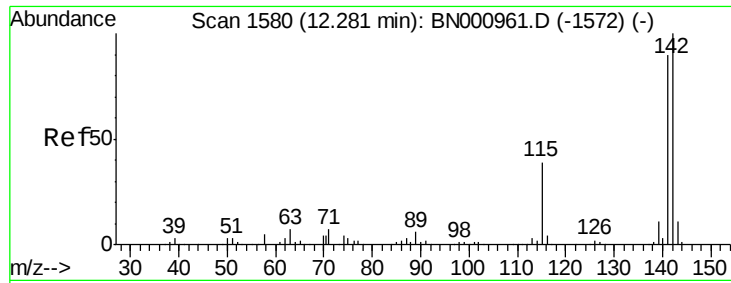
Acq: 27 Apr 2018 11:28

Tgt Ion:	142	Resp:	81831
Ion Ratio	Lower	Upper	
142	100		
141	90.2	72.7	109.1



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





#5

1-Methylnaphthalene

Concen: 5.796 ng/ul

RT: 12.27 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN000963.D

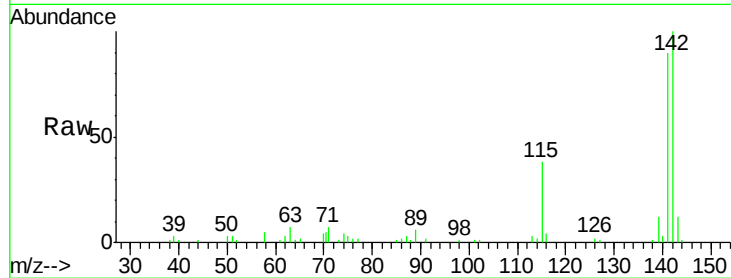
Acq: 27 Apr 2018 11:28

Instrument :

BNA_N

ClientSampleId :

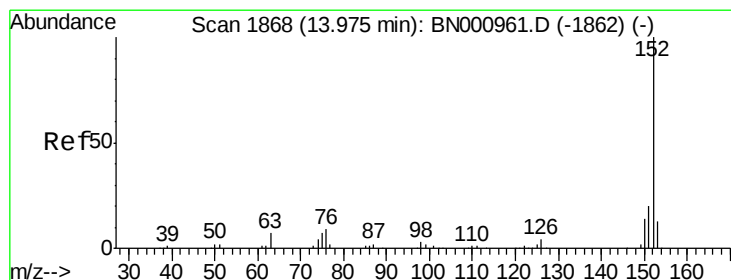
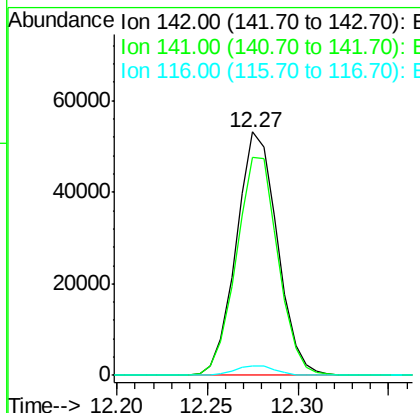
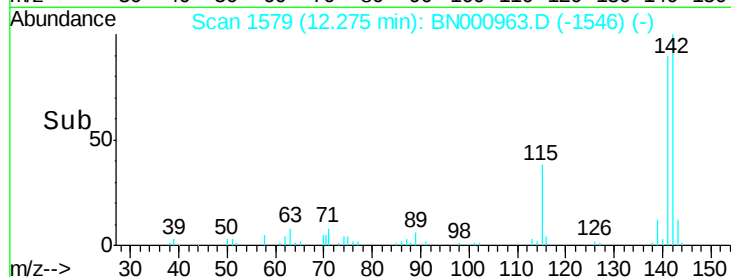
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Tgt Ion:	142	Resp:	83761
Ion Ratio	Lower	Upper	
142	100		
141	89.7	79.3	118.9
116	4.1	4.2	6.2#

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#8

Acenaphthylene

Concen: 1.383 ng/ul

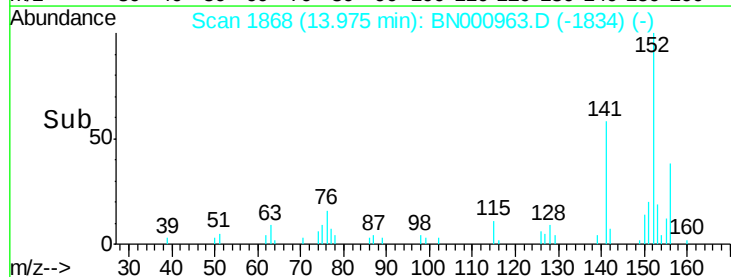
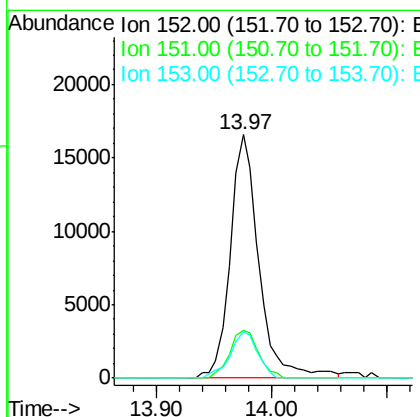
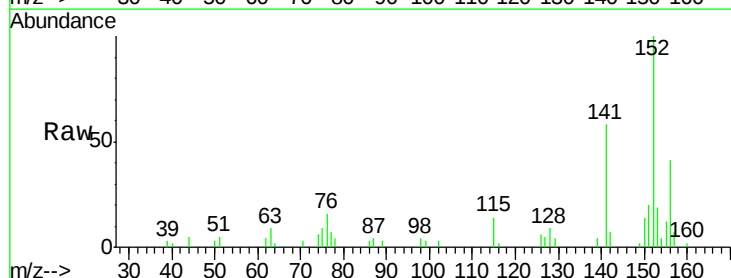
RT: 13.97 min Scan# 1868

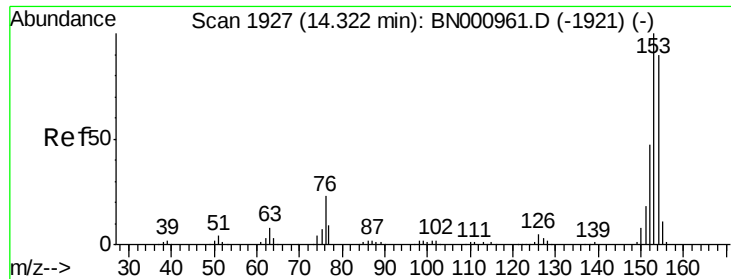
Delta R.T. 0.00 min

Lab File: BN000963.D

Acq: 27 Apr 2018 11:28

Tgt Ion:	152	Resp:	28543
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.7	25.1
153	19.2	10.2	15.4#





#9

Acenaphthene

Concen: 8.928 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BN000963.D

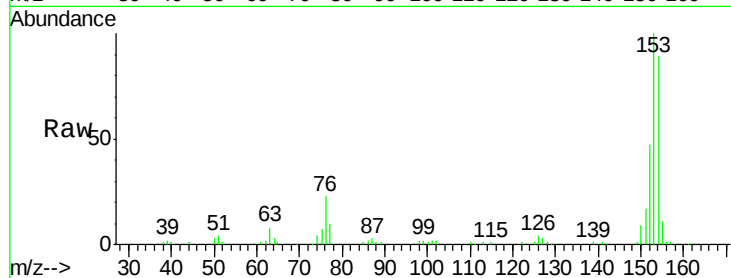
Acq: 27 Apr 2018 11:28

Instrument :

BNA_N

ClientSampleId :

DAS60DL



Tgt Ion:153 Resp: 127269

Ion Ratio Lower Upper

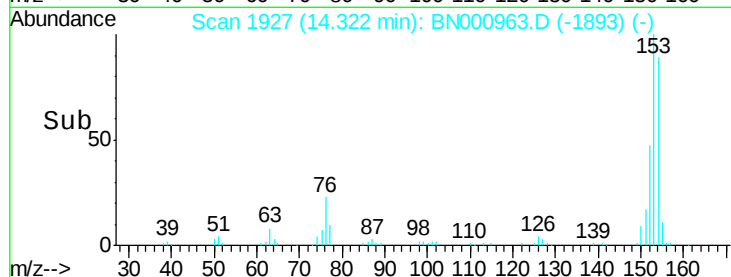
153 100

152 47.1 39.0 58.6

154 89.0 66.8 100.2

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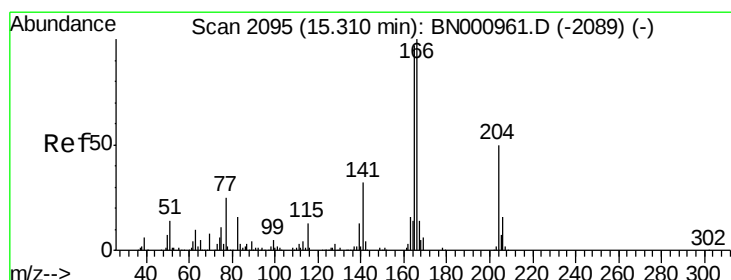
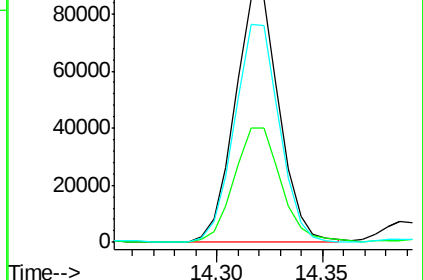
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 7.404 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN000963.D

Acq: 27 Apr 2018 11:28

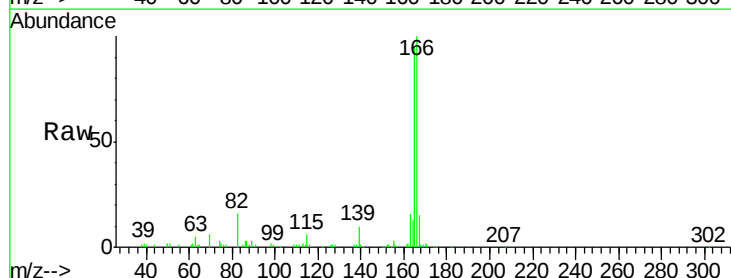
Tgt Ion:166 Resp: 112362

Ion Ratio Lower Upper

166 100

165 95.3 83.8 125.8

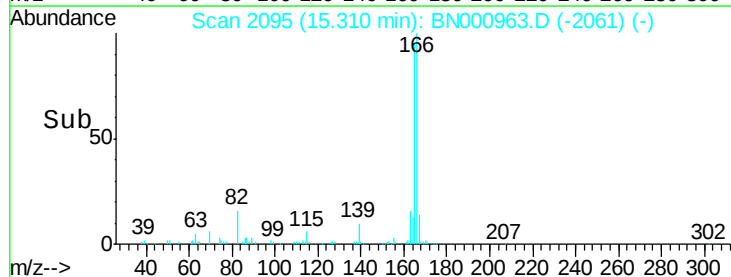
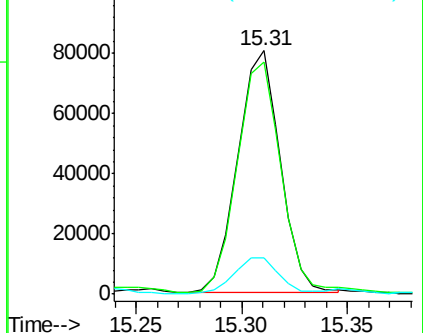
167 14.8 11.5 17.3

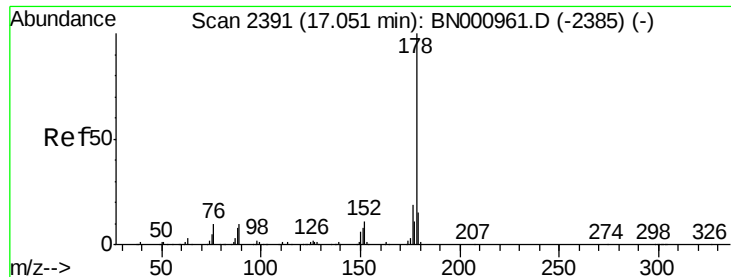


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 73.602 ng/ul

RT: 17.05 min Scan# 2391

Delta R.T. 0.00 min

Lab File: BN000963.D

Acq: 27 Apr 2018 11:28

Instrument :

BNA_N

ClientSampleId :

DAS60DL

Tgt Ion:178 Resp: 1761850

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

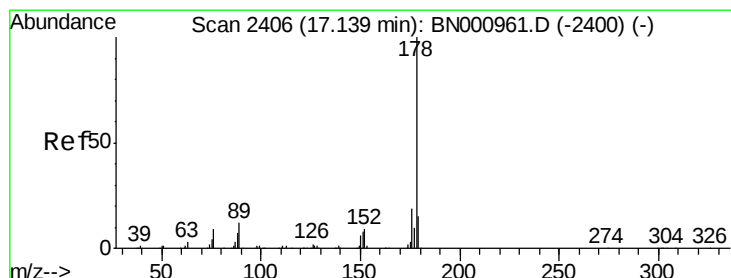
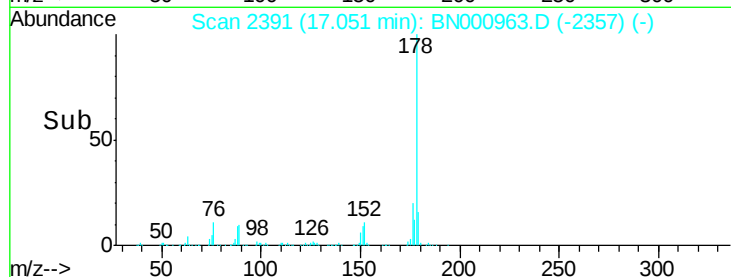
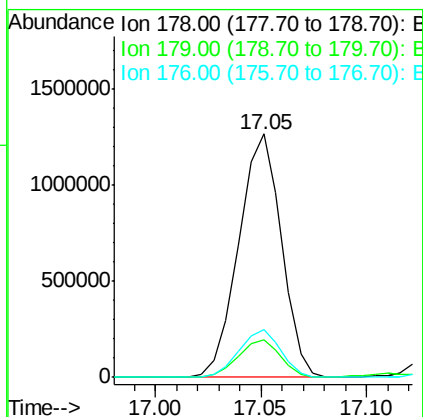
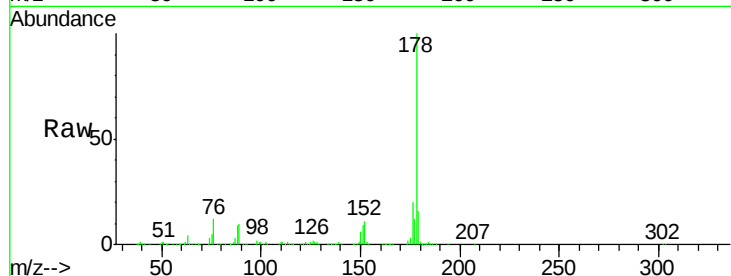
176 19.6 15.1 22.7

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#15

Anthracene

Concen: 18.077 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BN000963.D

Acq: 27 Apr 2018 11:28

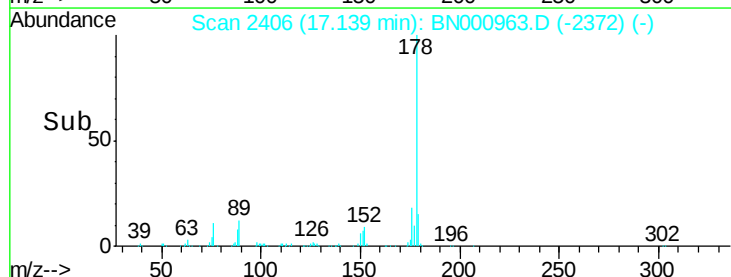
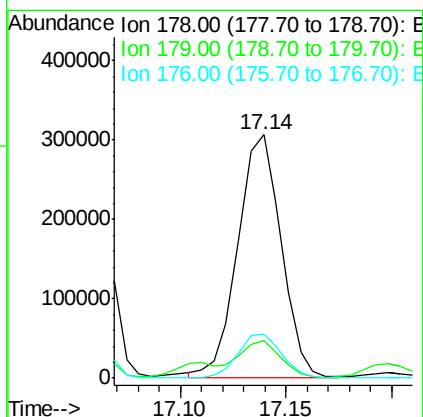
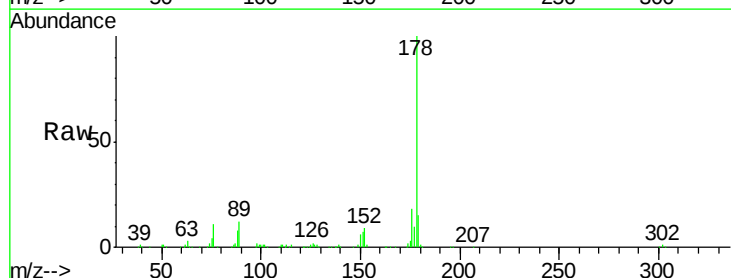
Tgt Ion:178 Resp: 434023

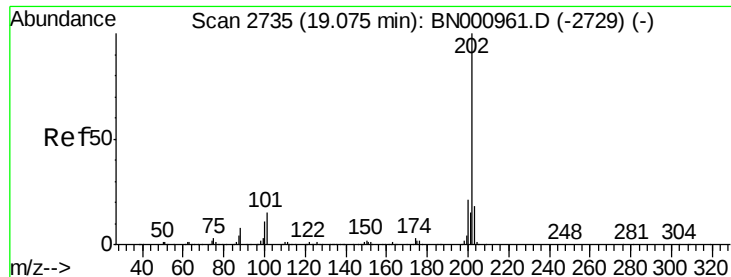
Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

176 18.1 15.2 22.8





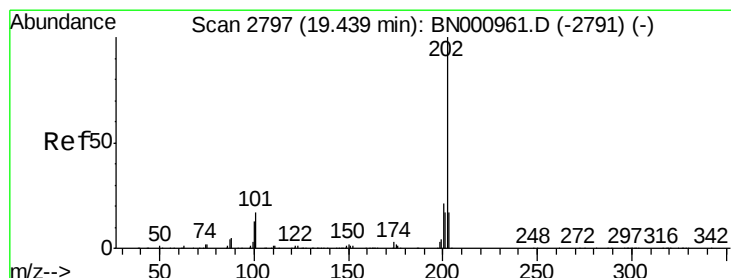
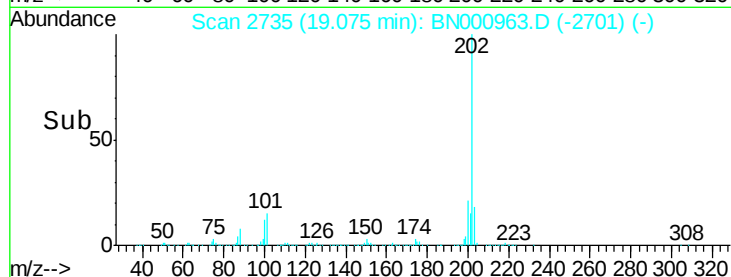
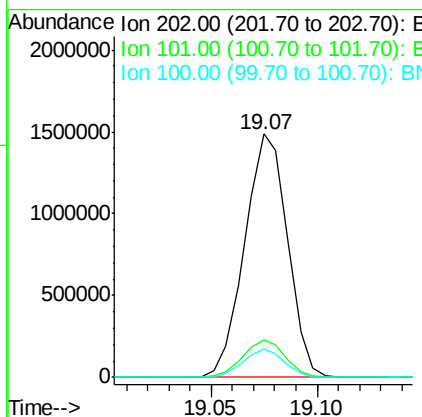
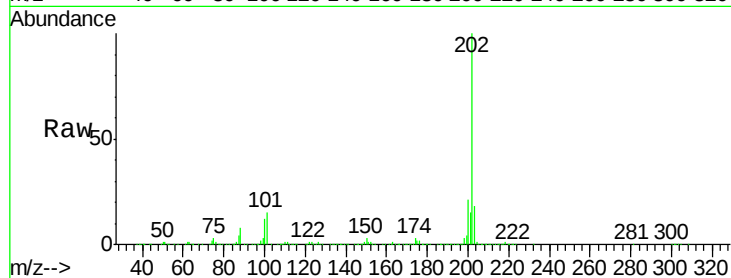
#16
Fluoranthene
 Concen: 86.084 ng/ul
 RT: 19.07 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: BN000963.D
 Acq: 27 Apr 2018 11:28

Instrument :
 BNA_N
 ClientSampleId :
 DAS60DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.3	9.9	14.9#
100	11.8	7.4	11.0#

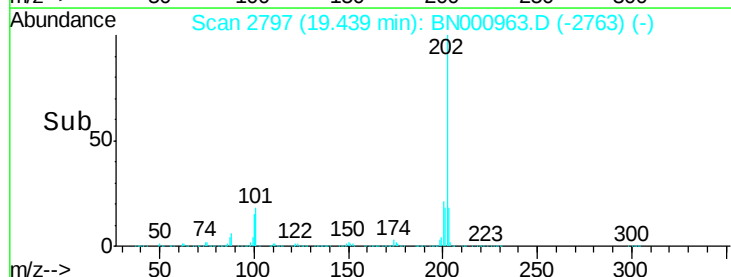
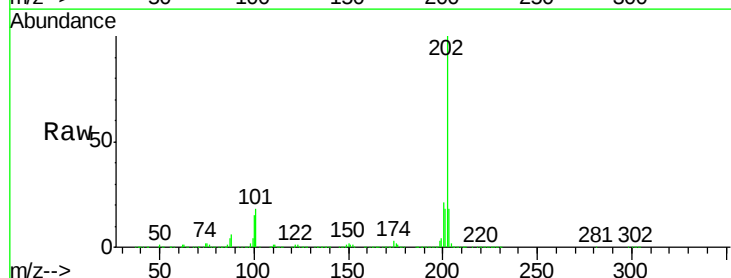
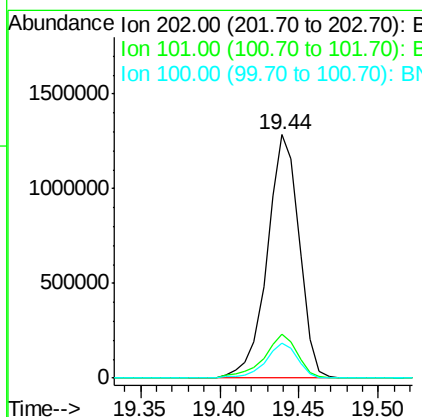
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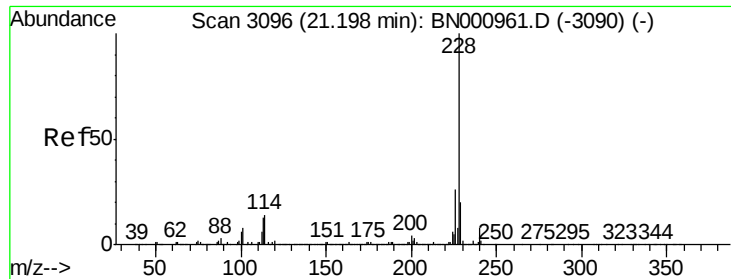
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#19
Pyrene
 Concen: 66.700 ng/ul
 RT: 19.44 min Scan# 2797
 Delta R.T. 0.00 min
 Lab File: BN000963.D
 Acq: 27 Apr 2018 11:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.9	11.0	16.4#
100	14.6	8.1	12.1#





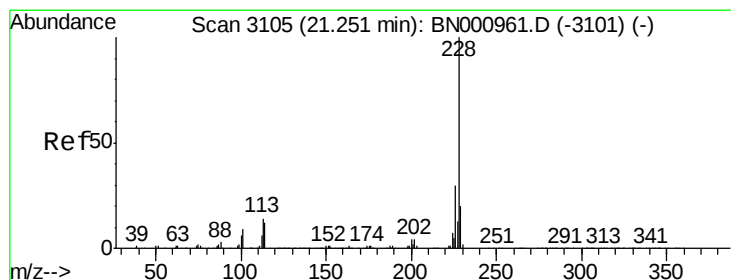
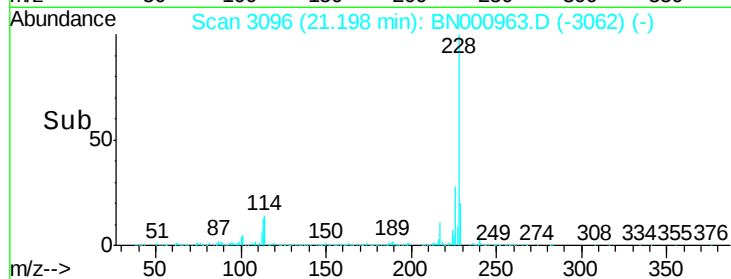
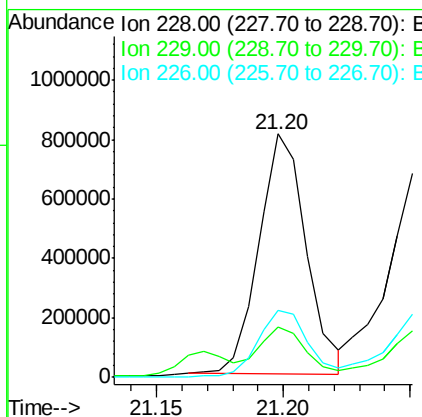
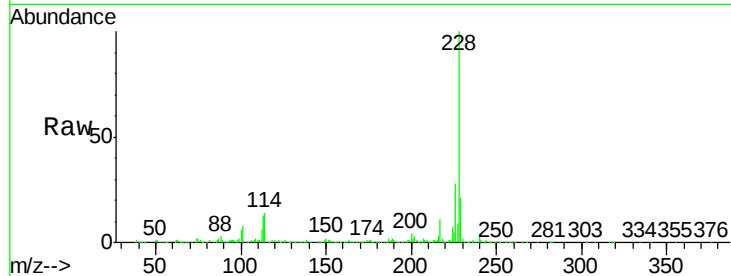
#20
Benzo(a)anthracene
Concen: 41.805 ng/u1
RT: 21.20 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BN000963.D
Acq: 27 Apr 2018 11:28

Instrument :
BNA_N
ClientSampled :
DAS60DL

Tgt Ion:228 Resp: 1052712
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 27.7 21.1 31.7

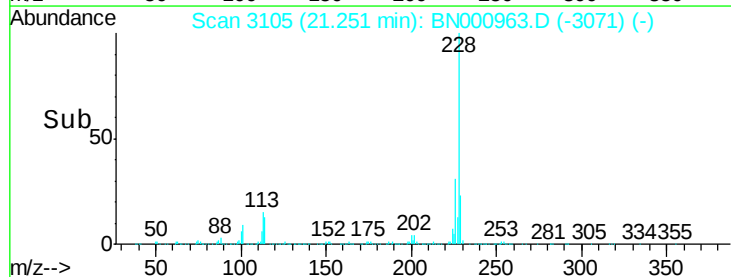
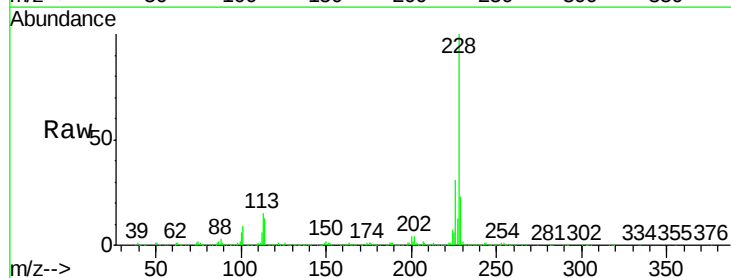
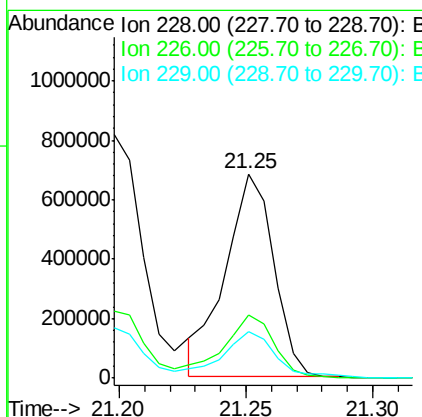
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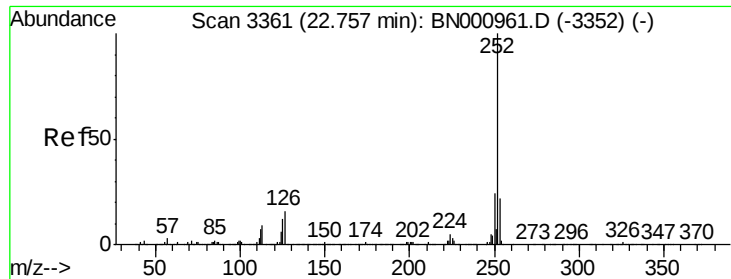
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#21
Chrysene
Concen: 38.249 ng/u1
RT: 21.25 min Scan# 3105
Delta R.T. 0.00 min
Lab File: BN000963.D
Acq: 27 Apr 2018 11:28

Tgt Ion:228 Resp: 905269
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 23.0 15.8 23.8





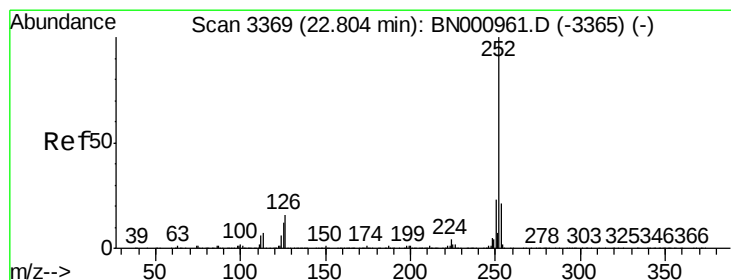
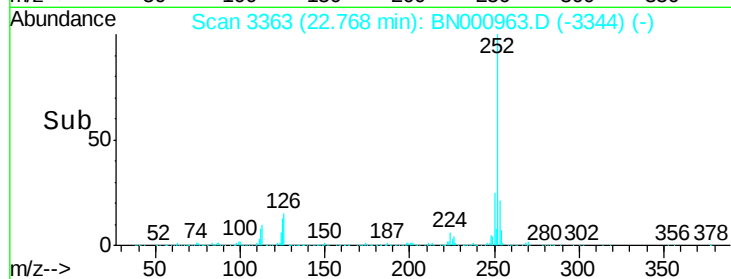
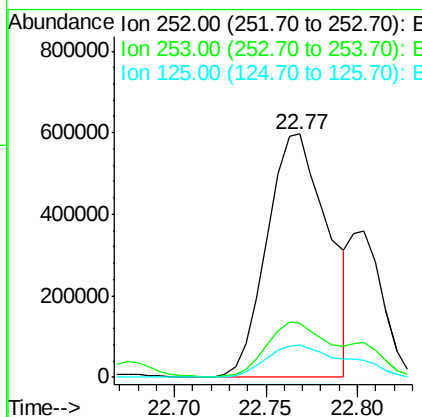
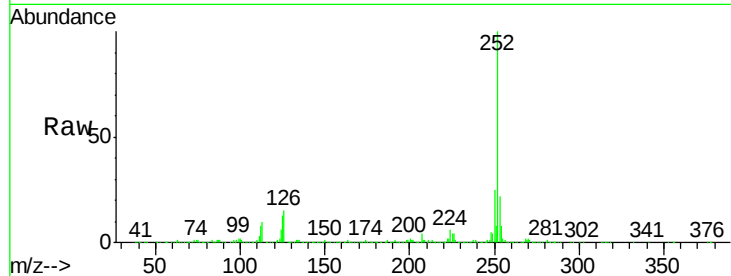
#23
Benzo(b)fluoranthene
Concen: 52.850 ng/ul m
RT: 22.77 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BN000963.D
Acq: 27 Apr 2018 11:28

Instrument :
BNA_N
ClientSampled :
DAS60DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	13.3	8.0	12.0

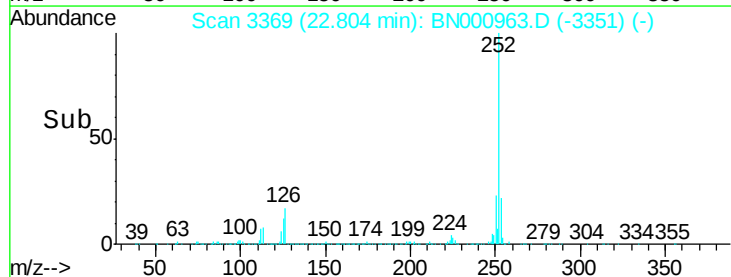
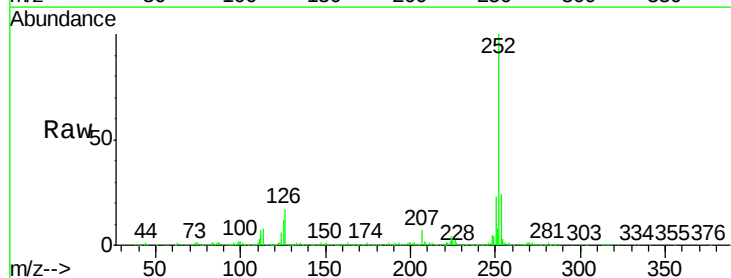
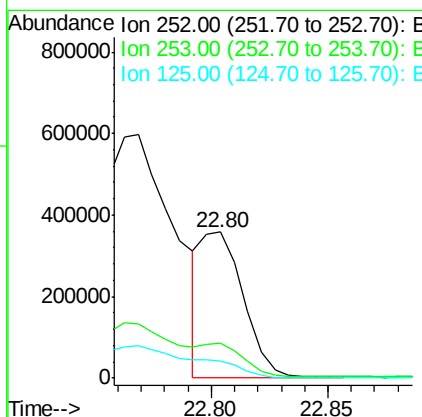
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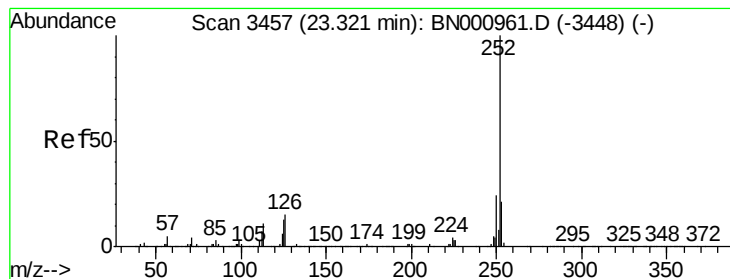
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#24
Benzo(k)fluoranthene
Concen: 17.390 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. 0.01 min
Lab File: BN000963.D
Acq: 27 Apr 2018 11:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	12.1	8.1	12.1





#26

Benzo(a)pyrene

Concen: 37.694 ng/u1

RT: 23.32 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BN000963.D

Acq: 27 Apr 2018 11:28

Instrument :

BNA_N

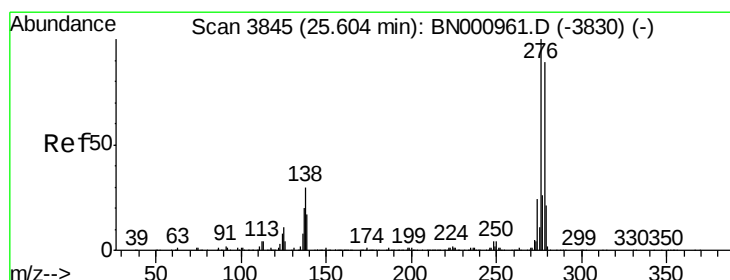
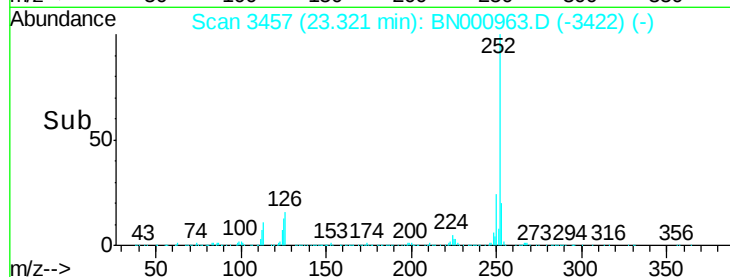
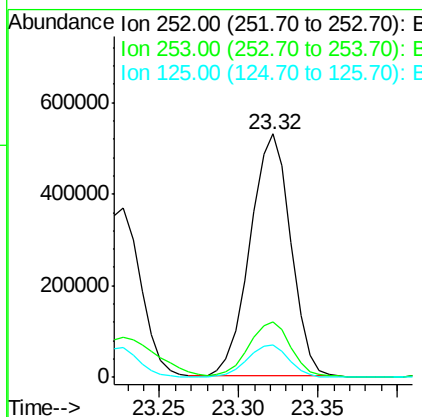
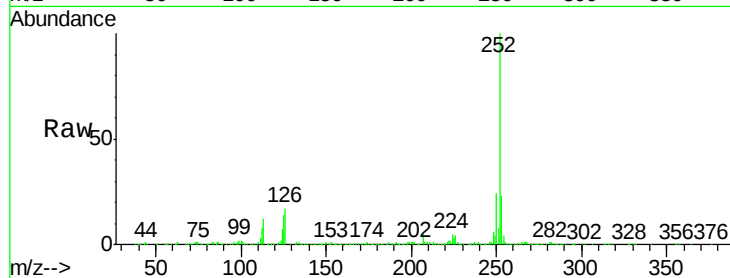
ClientSampleId :

DAS60DL

Tgt Ion:	252	Resp:	944021
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	13.6	8.2	12.4

Manual Integrations
APPROVED

Sohil
4/27/2018 7:28:07 PM



#27

Indeno(1,2,3-cd)pyrene

Concen: 21.644 ng/u1

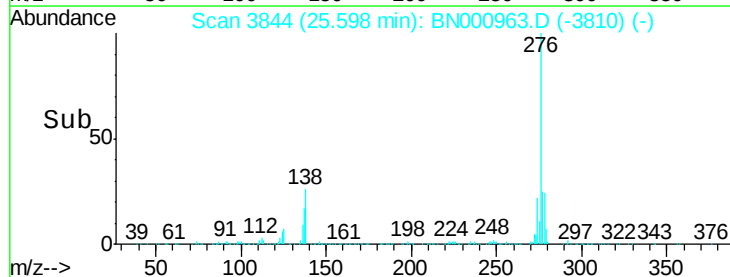
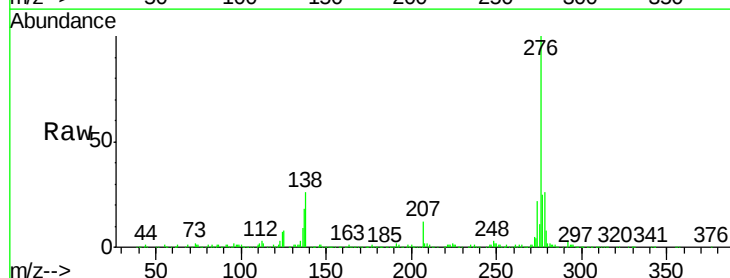
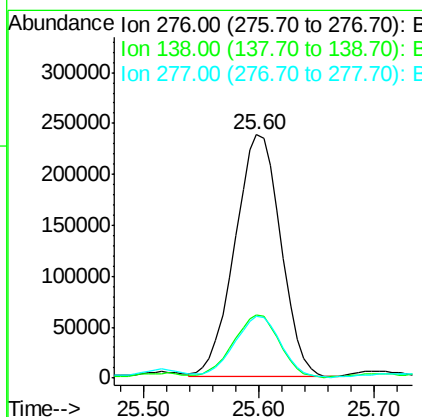
RT: 25.60 min Scan# 3844

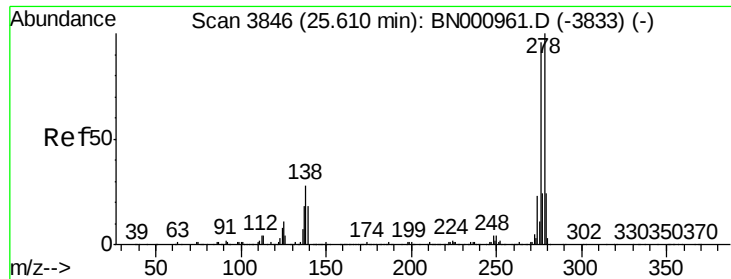
Delta R.T. 0.00 min

Lab File: BN000963.D

Acq: 27 Apr 2018 11:28

Tgt Ion:	276	Resp:	654719
Ion Ratio	Lower	Upper	
276	100		
138	26.1	14.4	21.6
277	25.2	18.0	27.0





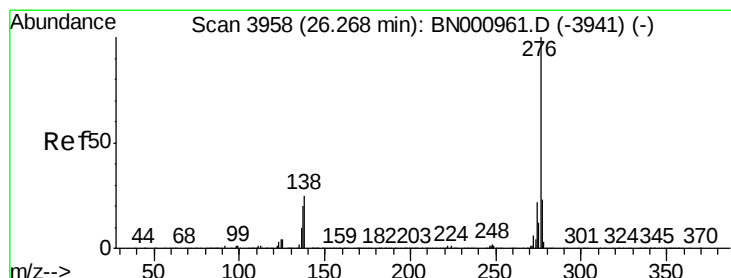
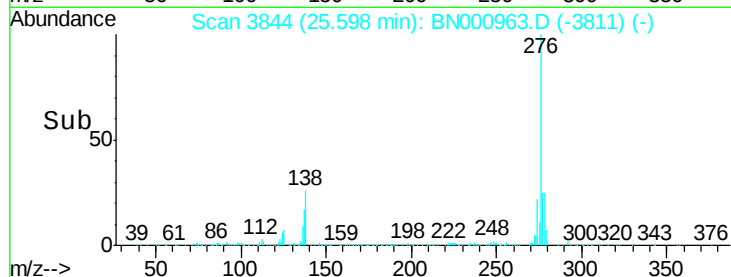
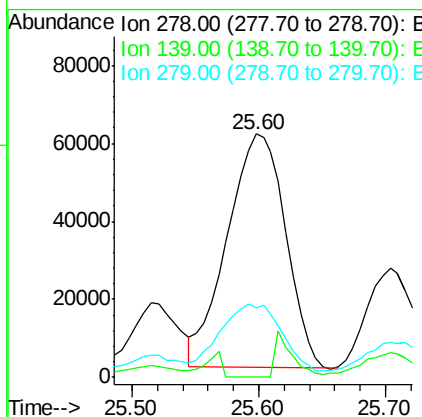
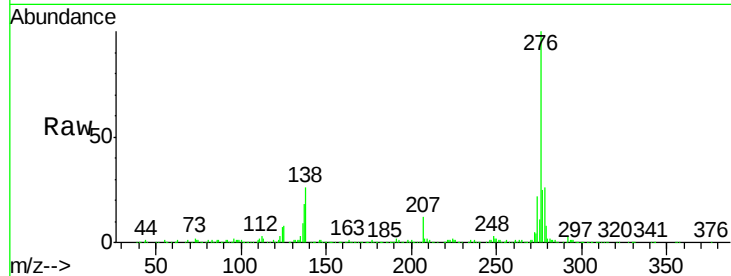
#28
Dibenzo(a,h)anthracene
Concen: 7.551 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. -0.01 min
Lab File: BN000963.D
Acq: 27 Apr 2018 11:28

Instrument :
BNA_N
ClientSampleId :
DAS60DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.2	18.4#
279	28.8	19.2	28.8#

Manual Integrations
APPROVED

Sohil
4/27/2018 7:28:07 PM



#29
Benzo(g,h,i)perylene
Concen: 20.340 ng/ul
RT: 26.27 min Scan# 3958
Delta R.T. 0.01 min
Lab File: BN000963.D
Acq: 27 Apr 2018 11:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	15.3	22.9#
277	24.7	19.0	28.4

