

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN042618\
 Data File : BN000960.D
 Acq On : 27 Apr 2018 07:30
 Operator : JU/SJ
 Sample : J2526-12 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAS60

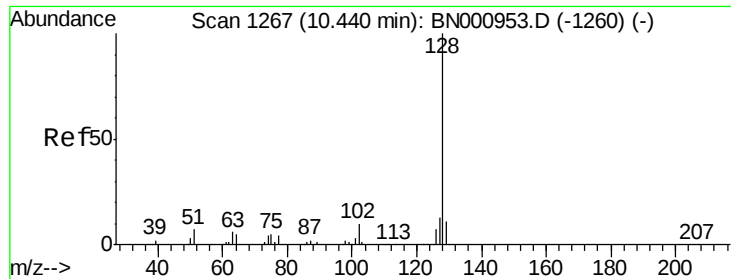
Manual Integrations
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 4/27/2018 7:28:01 PM

Quant Time: Apr 27 09:40:02 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	140366	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	563790	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	264729	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.01	188	500778	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	461553	20.00	ng/ul	0.00
22) Perylene-d12	23.42	264	533167	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	81834	3.22	ng/ul	0.00
10) Fluorene-d10	15.25	176	57327	3.38	ng/ul	0.00
14) Anthracene-d10	17.10	188	79671	3.48	ng/ul	0.00
18) Pyrene-d10	19.41	212	81343	3.44	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.28	264	90899	3.61	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.44	128	417537	14.695	ng/ul	100
4) 2-Methylnaphthalene	12.06	142	205298	10.829	ng/ul	99
5) 1-Methylnaphthalene	12.28	142	206839	11.124	ng/ul#	93
8) Acenaphthylene	13.97	152	67823	2.695	ng/ul#	93
9) Acenaphthene	14.32	153	303053	17.431	ng/ul	96
11) Fluorene	15.31	166	262800	14.199	ng/ul	92
13) Phenanthrene	17.06	178	3634334	133.064	ng/ul	98
15) Anthracene	17.14	178	952778	34.779	ng/ul	99
16) Fluoranthene	19.09	202	4198986	151.529	ng/ul	97
19) Pyrene	19.45	202	3713468	125.259	ng/ul#	93
20) Benzo(a)anthracene	21.20	228	2223654	80.595	ng/ul	96
21) Chrysene	21.26	228	2029509m	78.262	ng/ul	
23) Benzo(b)fluoranthene	22.77	252	2813006m	92.838	ng/ul	
24) Benzo(k)fluoranthene	22.81	252	1104841m	37.264	ng/ul	
26) Benzo(a)pyrene	23.33	252	2055359	70.979	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	25.62	276	1454662	41.591	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.62	278	434280	14.898	ng/ul#	81
29) Benzo(g,h,i)perylene	26.29	276	1144017	39.108	ng/ul#	93

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



#3

Naphthalene

Concen: 14.695 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

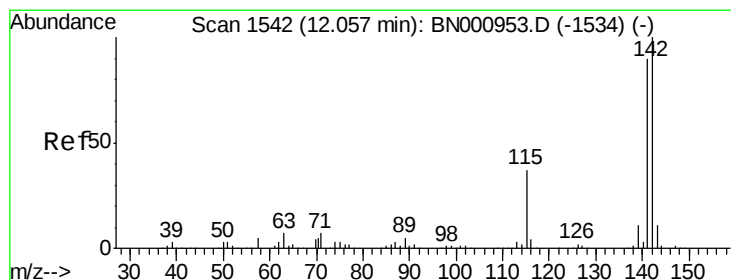
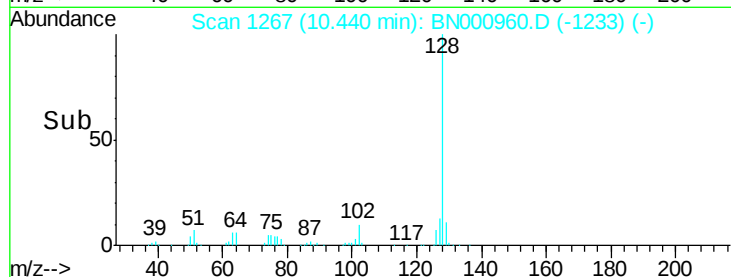
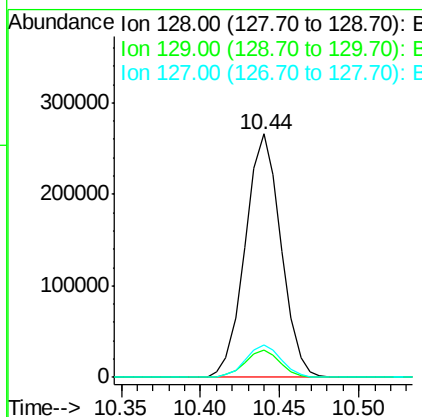
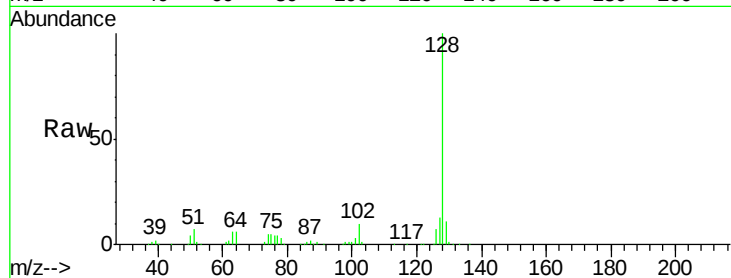
ClientSampleId :

DAS60

Tgt Ion:	128	Resp:	417537
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.7	13.1
127	13.2	10.6	16.0

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#4

2-Methylnaphthalene

Concen: 10.829 ng/ul

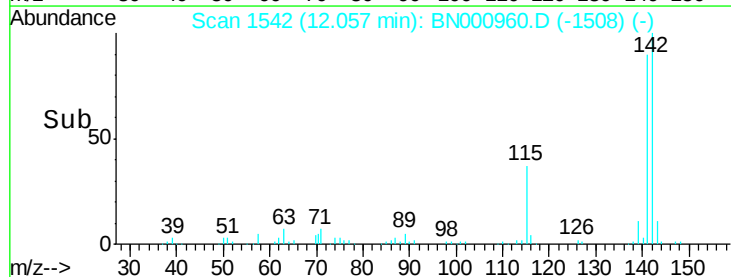
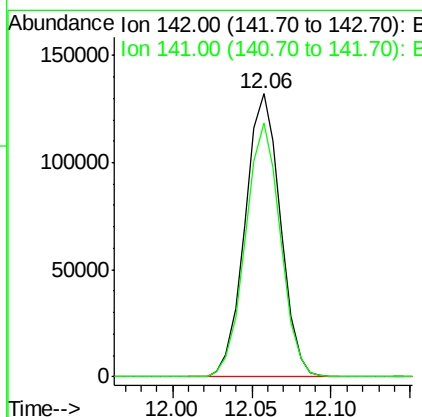
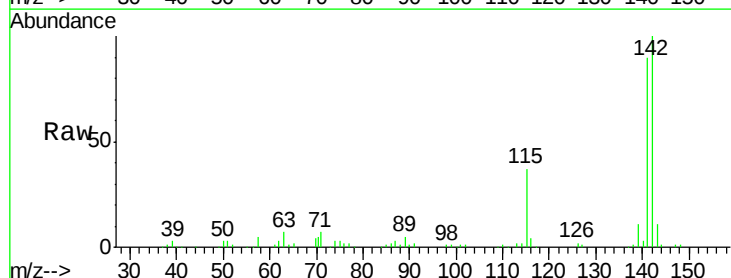
RT: 12.06 min Scan# 1542

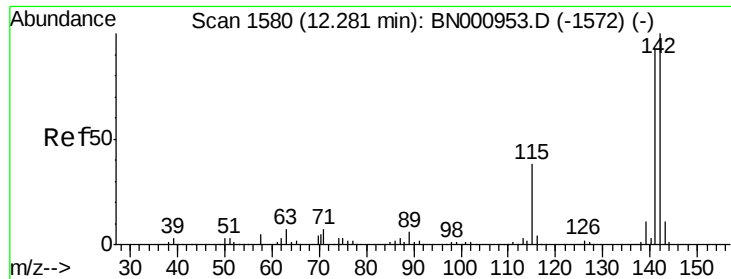
Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Tgt Ion:	142	Resp:	205298
Ion Ratio	Lower	Upper	
142	100		
141	89.6	72.7	109.1





#5

1-Methylnaphthalene

Concen: 11.124 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampleId :

DAS60

Tgt Ion:142 Resp: 206839

Ion Ratio Lower Upper

142 100

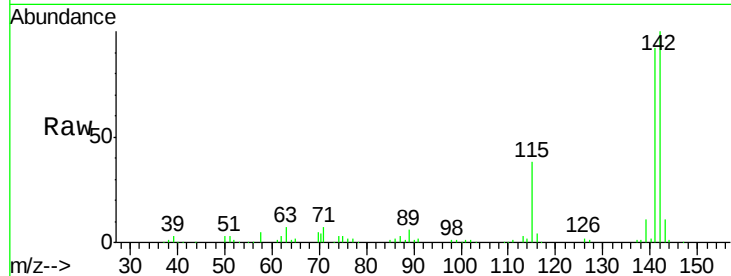
141 92.0 79.3 118.9

116 4.1 4.2 6.2#

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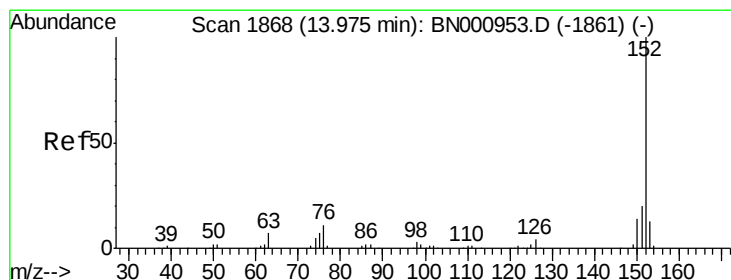
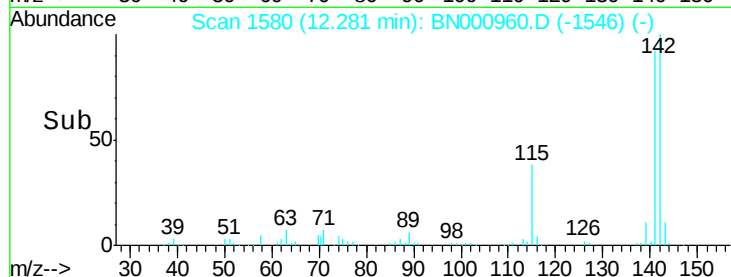
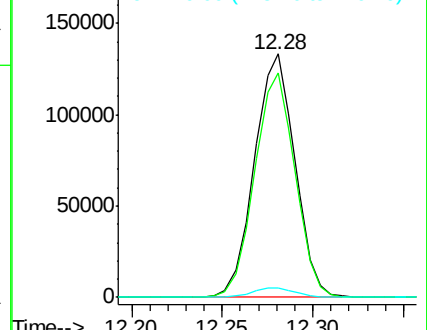
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 2.695 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Tgt Ion:152 Resp: 67823

Ion Ratio Lower Upper

152 100

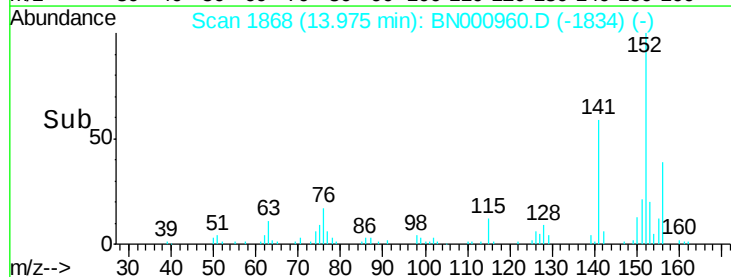
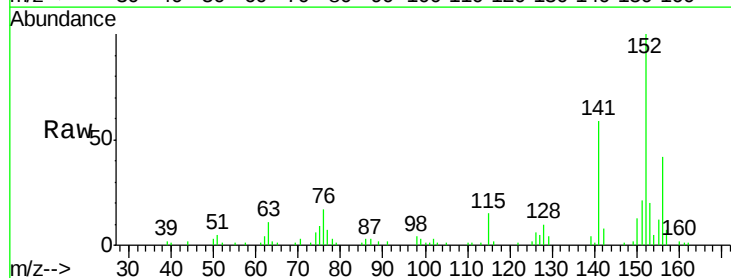
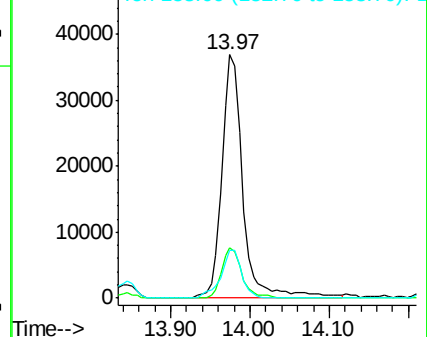
151 20.8 16.7 25.1

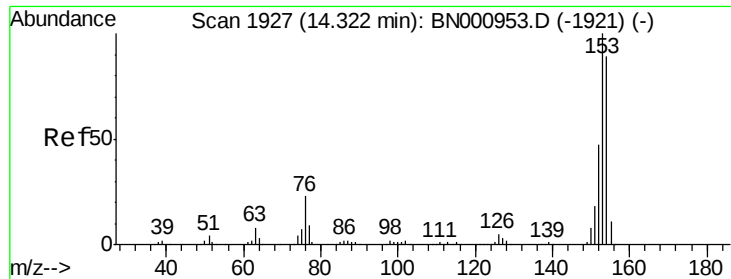
153 19.6 10.2 15.4#

Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 17.431 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BN000960.D

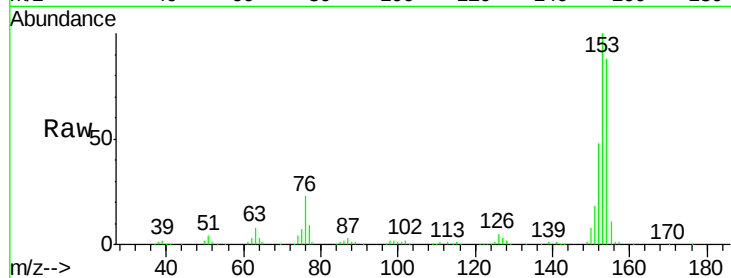
Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampled :

DAS60



Tgt Ion:153 Resp: 303053

Ion Ratio Lower Upper

153 100

152 47.8 39.0 58.6

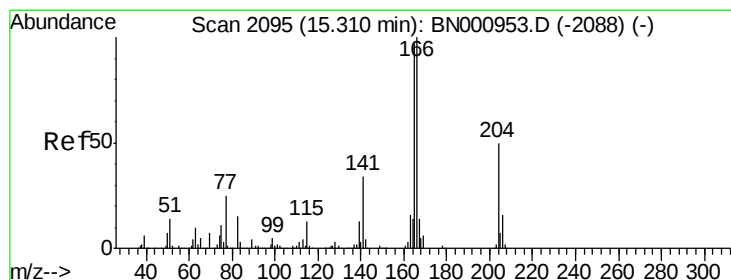
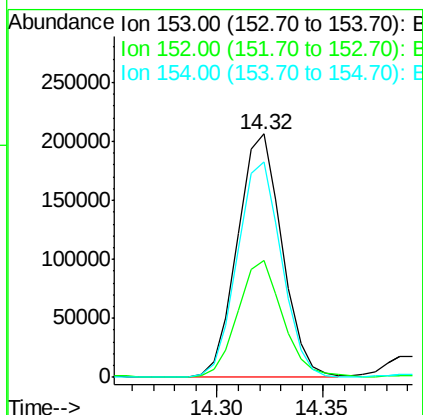
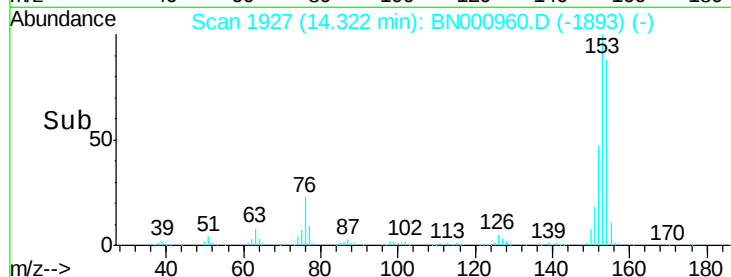
154 88.3 66.8 100.2

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#11

Fluorene

Concen: 14.199 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

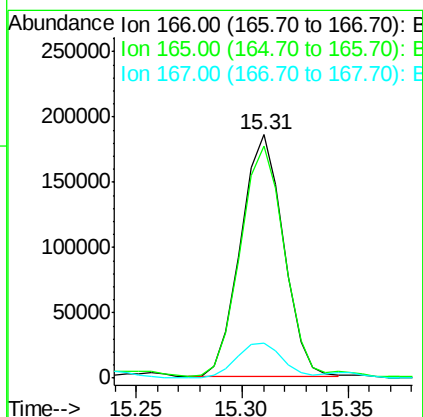
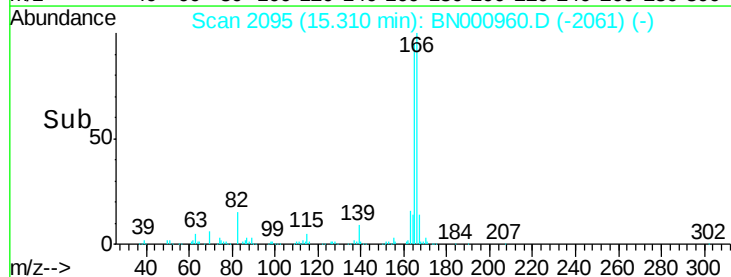
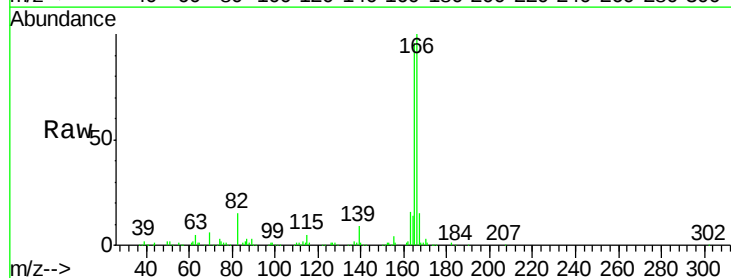
Tgt Ion:166 Resp: 262800

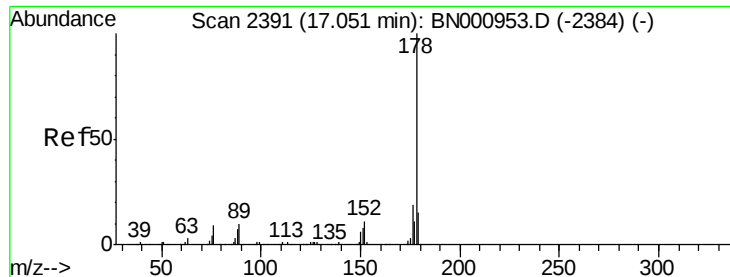
Ion Ratio Lower Upper

166 100

165 95.5 83.8 125.8

167 14.6 11.5 17.3





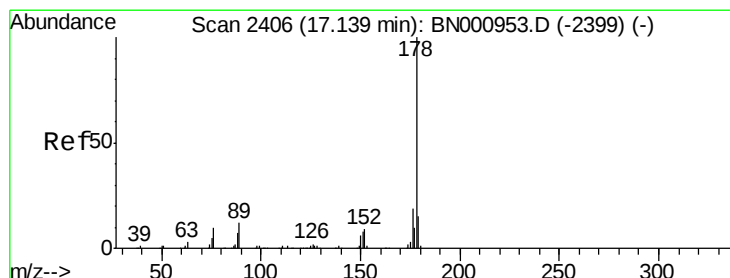
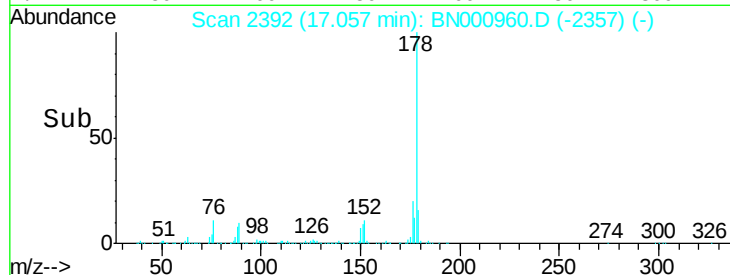
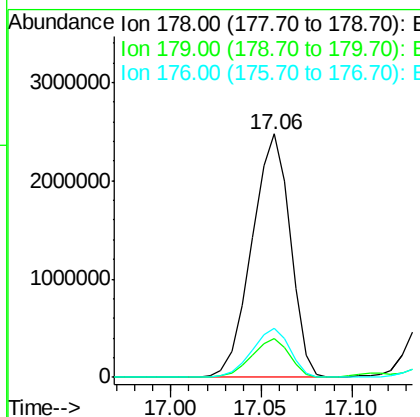
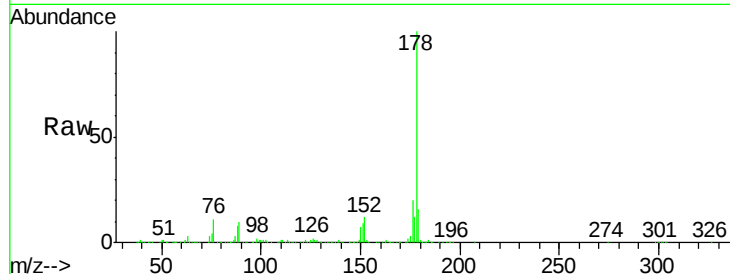
#13
Phenanthrene
Concen: 133.064 ng/ul
RT: 17.06 min Scan# 2392
Delta R.T. 0.01 min
Lab File: BN000960.D
Acq: 27 Apr 2018 07:30

Instrument :
BNA_N
ClientSampleId :
DAS60

Tgt Ion:178 Resp: 3634334
Ion Ratio Lower Upper
178 100
179 15.9 12.3 18.5
176 19.9 15.1 22.7

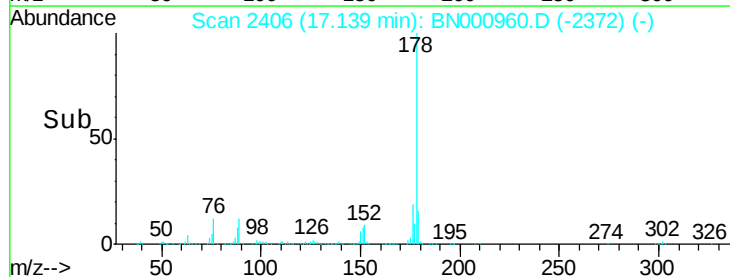
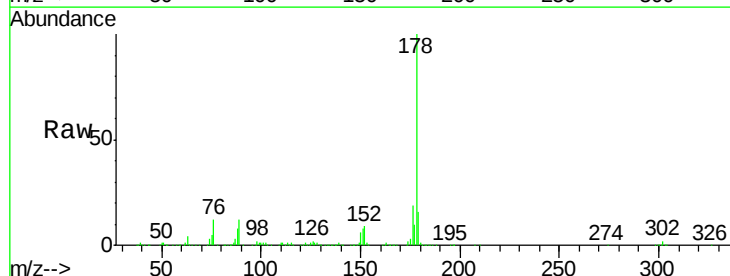
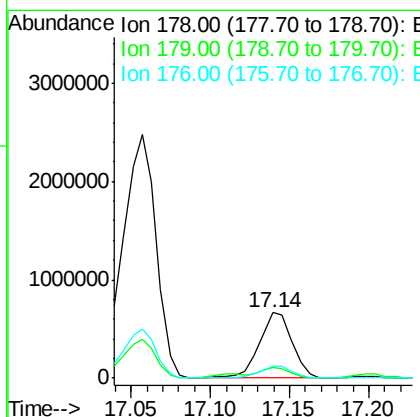
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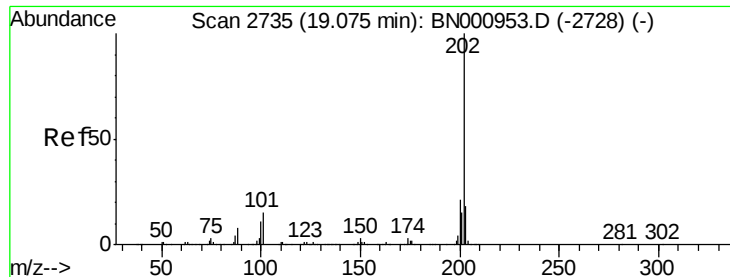
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#15
Anthracene
Concen: 34.779 ng/ul
RT: 17.14 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BN000960.D
Acq: 27 Apr 2018 07:30

Tgt Ion:178 Resp: 952778
Ion Ratio Lower Upper
178 100
179 15.6 11.8 17.8
176 18.7 15.2 22.8





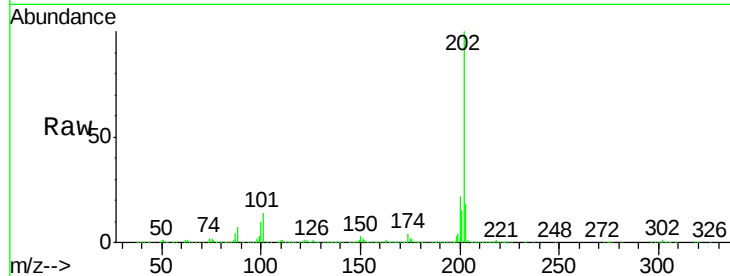
#16
 Fluoranthene
 Concen: 151.529 ng/ul
 RT: 19.09 min Scan# 2737
 Delta R.T. 0.01 min
 Lab File: BN000960.D
 Acq: 27 Apr 2018 07:30

Instrument :
 BNA_N
 ClientSampleId :
 DAS60

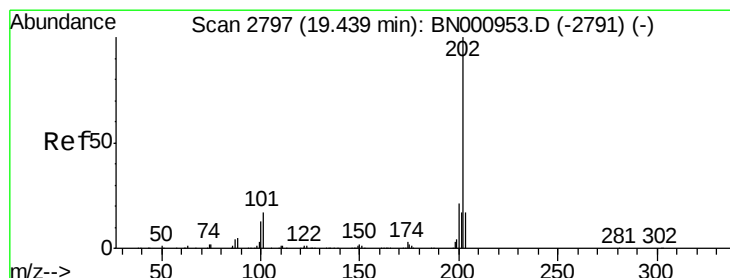
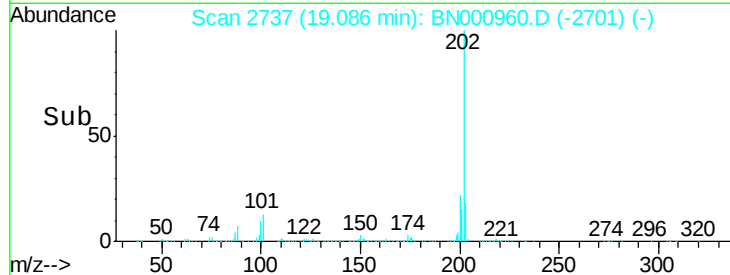
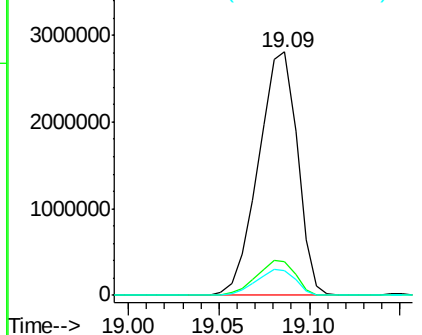
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	9.9	14.9
100	10.4	7.4	11.0

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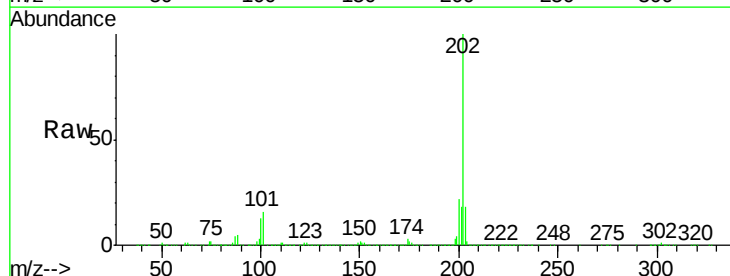


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

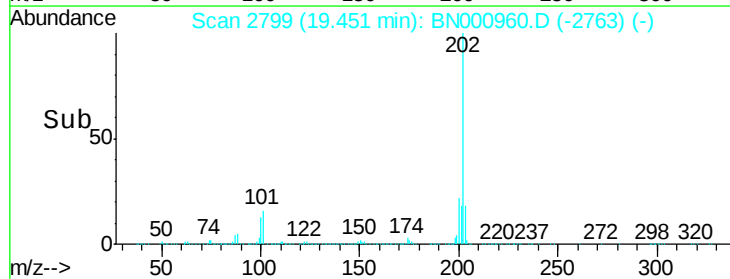
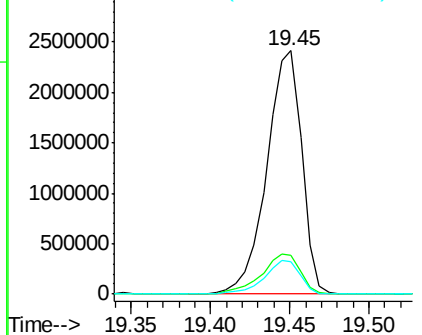


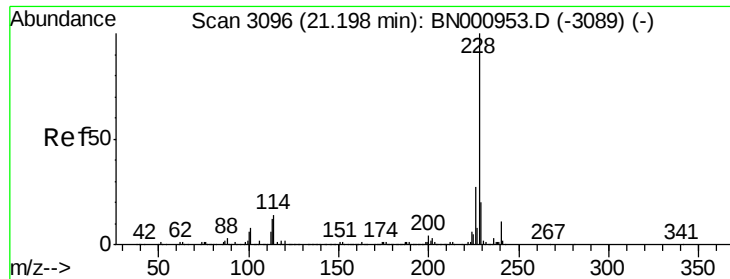
#19
 Pyrene
 Concen: 125.259 ng/ul
 RT: 19.45 min Scan# 2799
 Delta R.T. 0.01 min
 Lab File: BN000960.D
 Acq: 27 Apr 2018 07:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.1	11.0	16.4
100	13.2	8.1	12.1



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





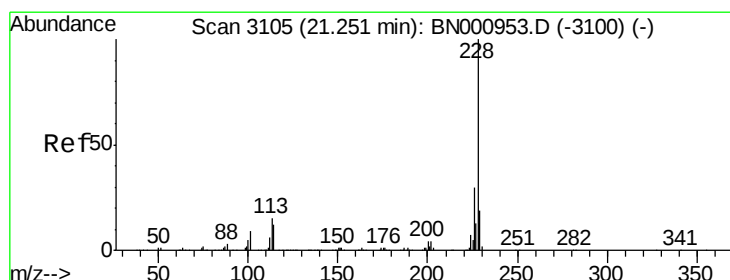
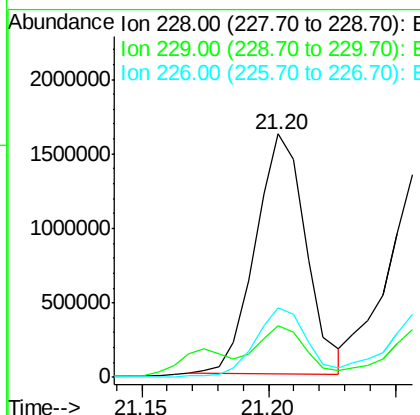
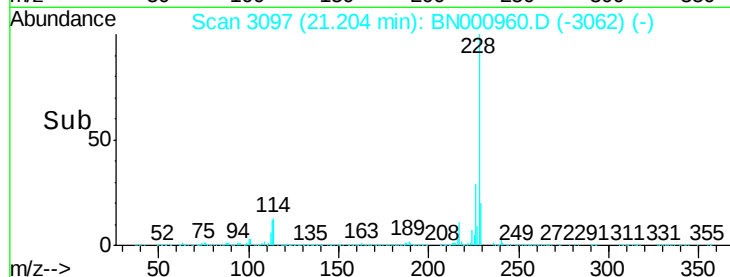
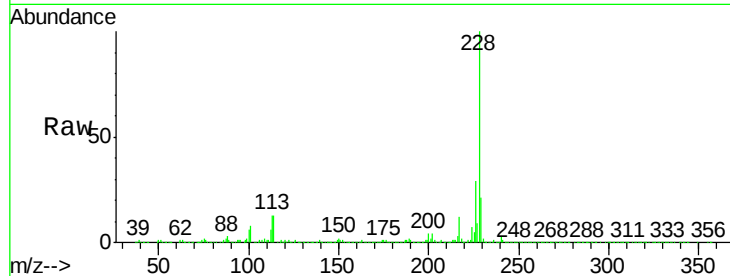
#20
Benzo(a)anthracene
Concen: 80.595 ng/ul
RT: 21.20 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BN000960.D
Acq: 27 Apr 2018 07:30

Instrument :
BNA_N
ClientSampled :
DAS60

Tgt Ion:228 Resp: 2223654
Ion Ratio Lower Upper
228 100
229 21.1 15.7 23.5
226 28.8 21.1 31.7

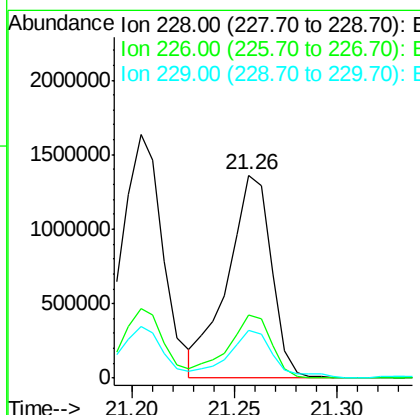
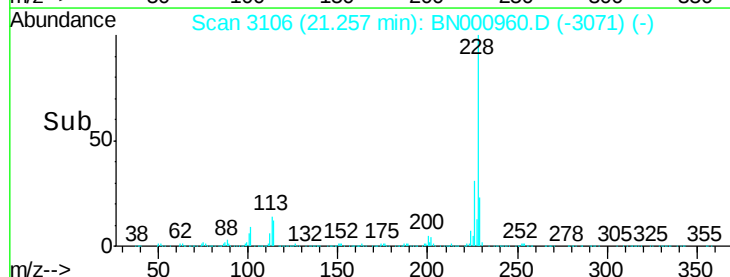
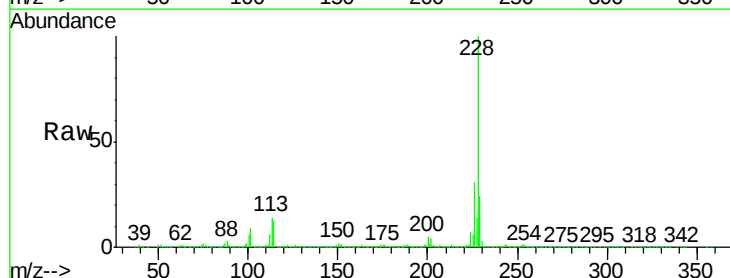
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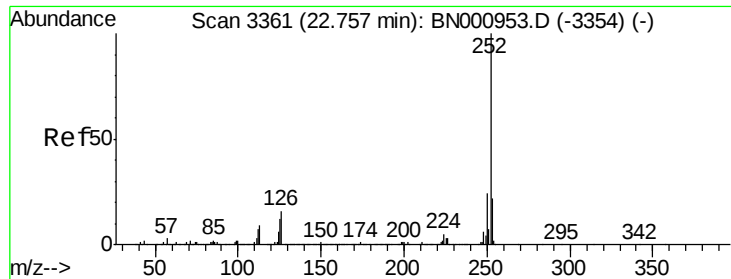
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#21
Chrysene
Concen: 78.262 ng/ul m
RT: 21.26 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BN000960.D
Acq: 27 Apr 2018 07:30

Tgt Ion:228 Resp: 2029509
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 23.5 15.8 23.8





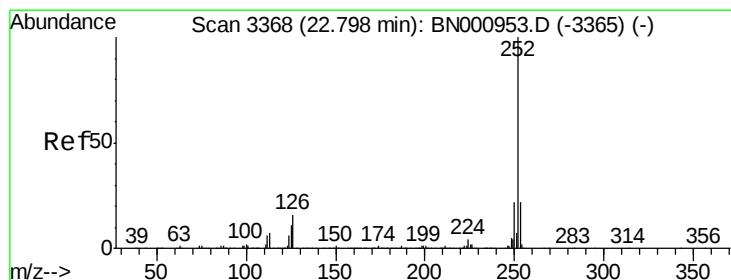
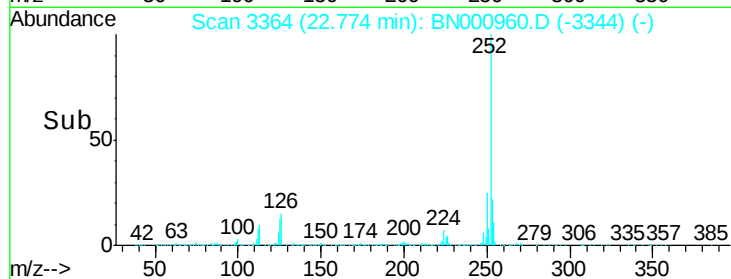
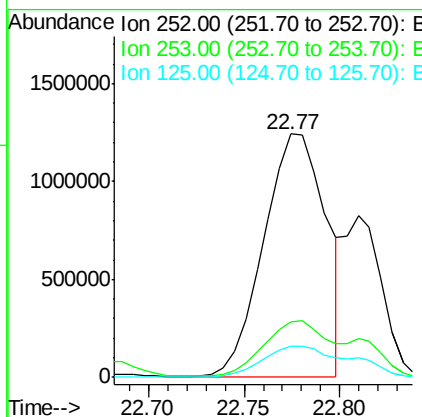
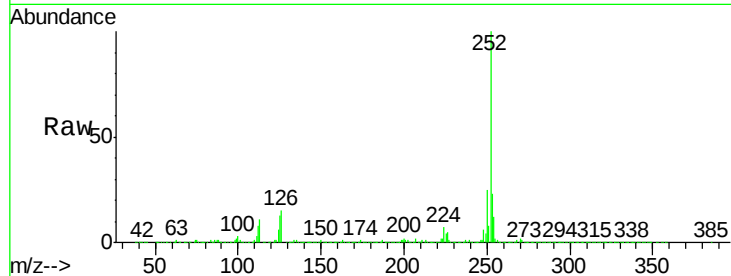
#23
Benzo(b)fluoranthene
Concen: 92.838 ng/ul m
RT: 22.77 min Scan# 3364
Delta R.T. 0.02 min
Lab File: BN000960.D
Acq: 27 Apr 2018 07:30

Instrument :
BNA_N
ClientSampleId :
DAS60

Tgt Ion:252 Resp: 2813006
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 12.9 8.0 12.0#

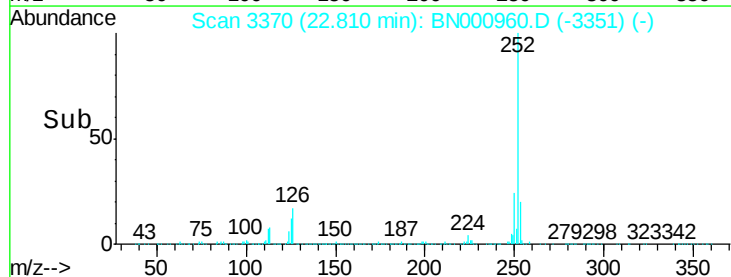
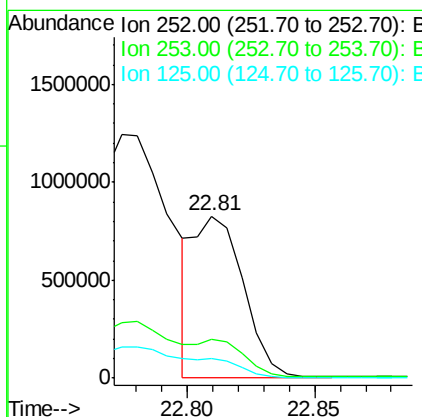
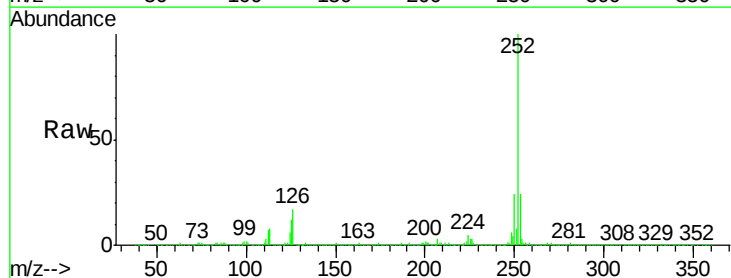
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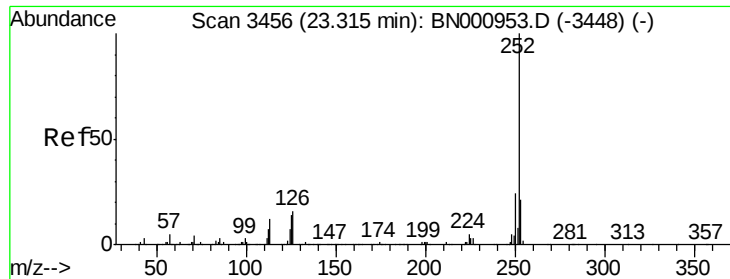
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#24
Benzo(k)fluoranthene
Concen: 37.264 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BN000960.D
Acq: 27 Apr 2018 07:30

Tgt Ion:252 Resp: 1104841
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 12.0 8.1 12.1





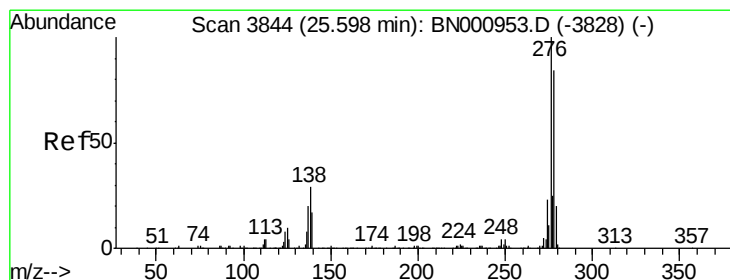
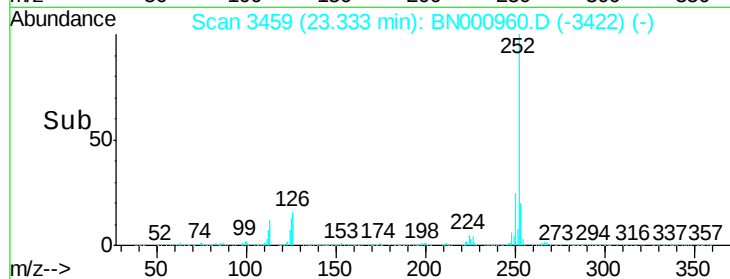
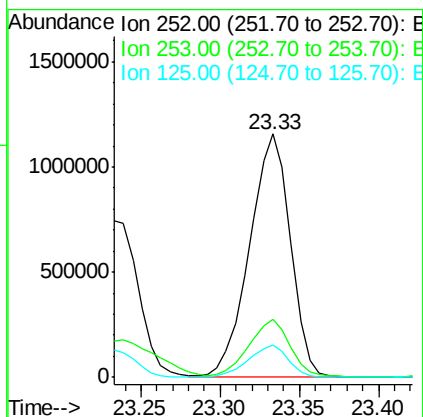
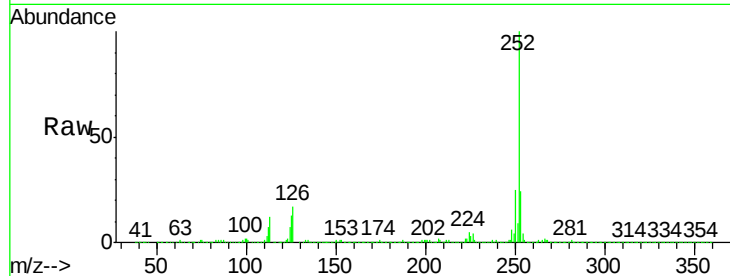
#26
Benzo(a)pyrene
Concen: 70.979 ng/u1
RT: 23.33 min Scan# 3459
Delta R.T. 0.02 min
Lab File: BN000960.D
Acq: 27 Apr 2018 07:30

Instrument :
BNA_N
ClientSampleId :
DAS60

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	13.2	8.2	12.4

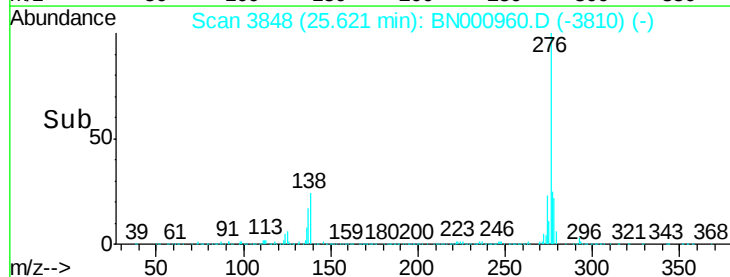
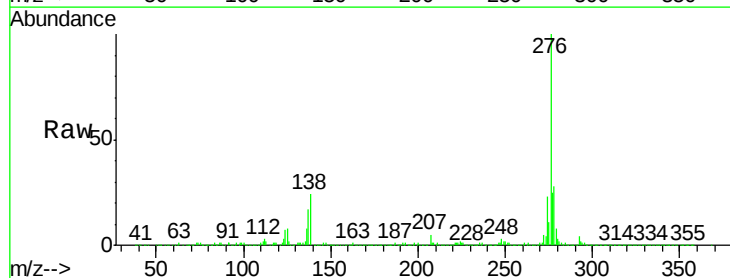
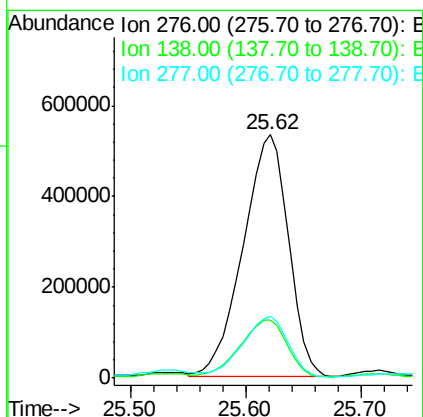
Manual Integrations
APPROVED

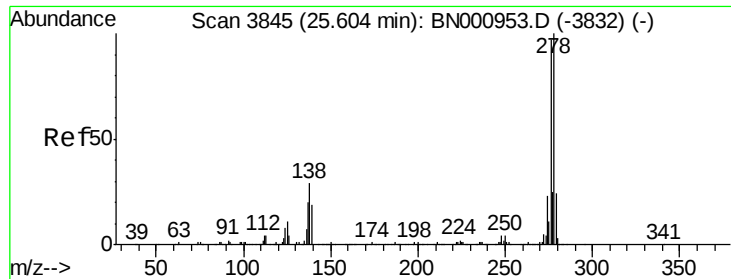
Sohil
4/27/2018 7:28:01 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 41.591 ng/u1
RT: 25.62 min Scan# 3848
Delta R.T. 0.02 min
Lab File: BN000960.D
Acq: 27 Apr 2018 07:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	14.4	21.6
277	25.3	18.0	27.0





#28

Dibenzo(a,h)anthracene

Concen: 14.898 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.02 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

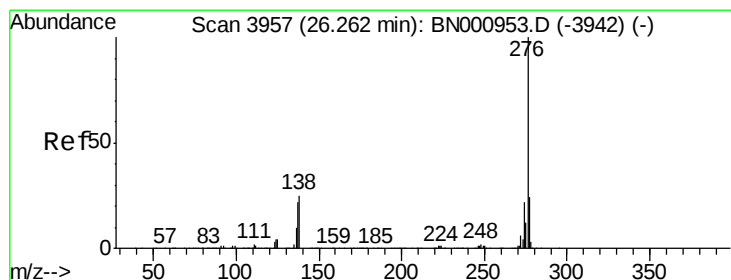
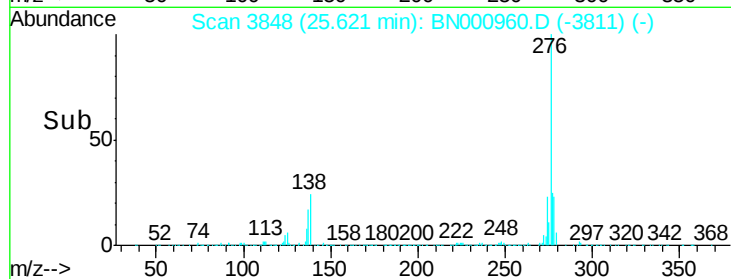
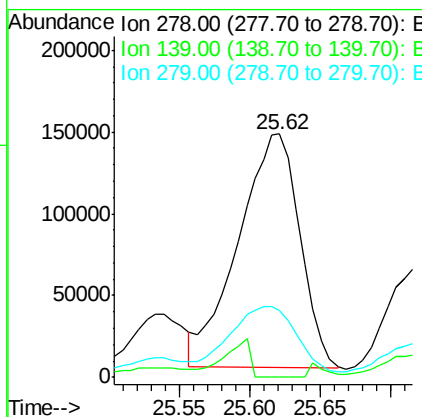
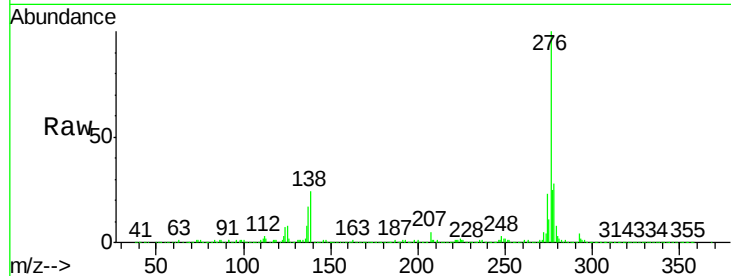
ClientSampleId :

DAS60

Tgt Ion:	278	Resp:	434280
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.2	18.4#
279	27.5	19.2	28.8

Manual Integrations
APPROVED

Sohil
4/27/2018 7:28:01 PM



#29

Benzo(g,h,i)perylene

Concen: 39.108 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.03 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Tgt Ion:	276	Resp:	1144017
Ion Ratio	Lower	Upper	
276	100		
138	25.2	15.3	22.9#
277	24.7	19.0	28.4

