

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042518\
 Data File : BN000924.D
 Acq On : 26 Apr 2018 10:16
 Operator : JU/SJ
 Sample : J2443-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DARQ6

Manual Integrations
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Quant Time: Apr 26 13:04:39 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 26 08:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	181165	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	734632	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	343603	20.00	ng/ul	0.01
12) Phenanthrene-d10	17.01	188	607660	20.00	ng/ul	0.01
17) Chrysene-d12	21.22	240	512325	20.00	ng/ul	0.01
22) Perylene-d12	23.43	264	585657	20.00	ng/ul	0.04
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	722800	21.90	ng/ul	0.01
10) Fluorene-d10	15.26	176	442834	20.10	ng/ul	0.00
14) Anthracene-d10	17.11	188	580366	20.89	ng/ul	0.01
18) Pyrene-d10	19.42	212	577923	22.02	ng/ul	0.01
25) Benzo(a)pyrene-d12	23.29	264	564973	20.42	ng/ul	0.03
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	66228	1.789	ng/ul	100
4) 2-Methylnaphthalene	12.06	142	52906	2.142	ng/ul	97
5) 1-Methylnaphthalene	12.28	142	47174	1.947	ng/ul#	93
8) Acenaphthylene	13.98	152	46117	1.412	ng/ul	97
13) Phenanthrene	17.05	178	282440	8.522	ng/ul	99
15) Anthracene	17.15	178	62603	1.883	ng/ul	99
16) Fluoranthene	19.08	202	399432	11.879	ng/ul	97
19) Pyrene	19.45	202	352059	10.698	ng/ul#	91
20) Benzo(a)anthracene	21.20	228	191048	6.238	ng/ul	93
21) Chrysene	21.26	228	208849m	7.256	ng/ul	
23) Benzo(b)fluoranthene	22.77	252	321233m	9.652	ng/ul	
24) Benzo(k)fluoranthene	22.81	252	96872m	2.974	ng/ul	
26) Benzo(a)pyrene	23.33	252	202460	6.365	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.62	276	169163	4.403	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.62	278	45880	1.433	ng/ul#	70
29) Benzo(a,h,i)perylene	26.29	276	189208	5.888	ng/ul#	91

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

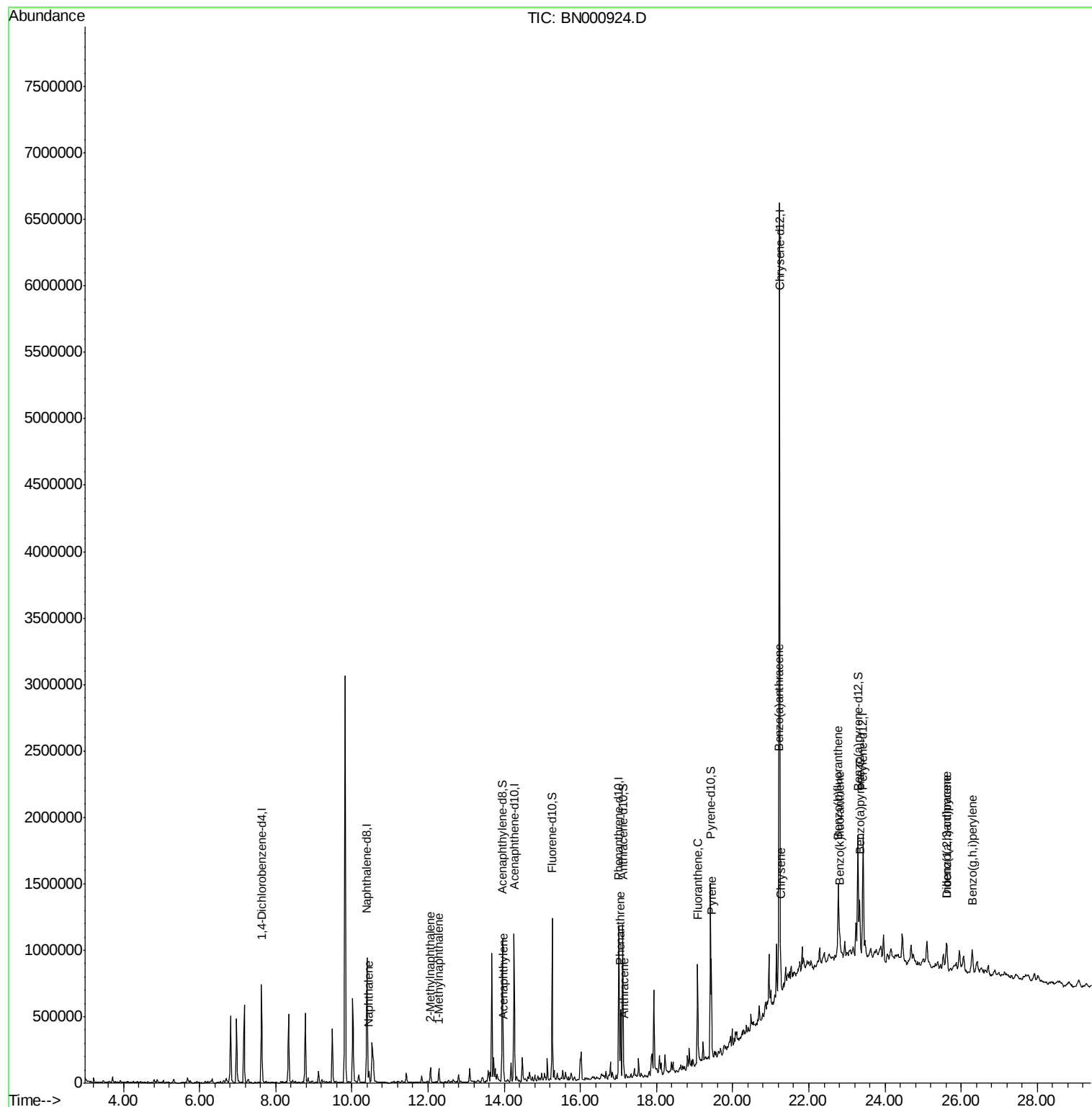
Data Path : Z:\HPCHEM1\BNA N\DATA\BN042518\
Data File : BN000924.D
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ALS Vial : 33 Sample Multiplier: 1

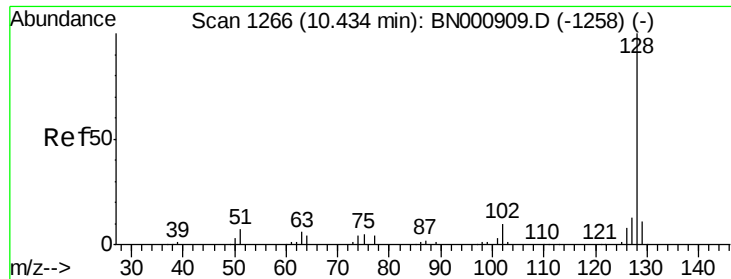
Instrument :
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Quant Time: Apr 26 13:04:39 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 26 08:36:26 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.789 ng/ul

RT: 10.45 min Scan# 1268

Delta R.T. 0.01 min

Lab File: BN000924.D

Acq: 26 Apr 2018 10:16

Instrument :

BNA_N

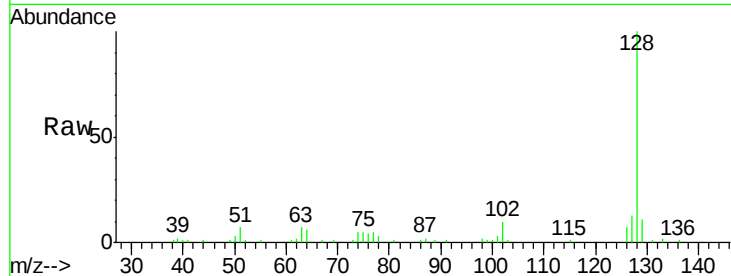
ClientSampled :

DARQ6

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.5	10.6	16.0

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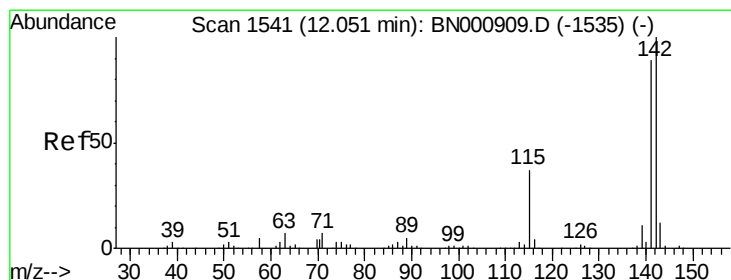
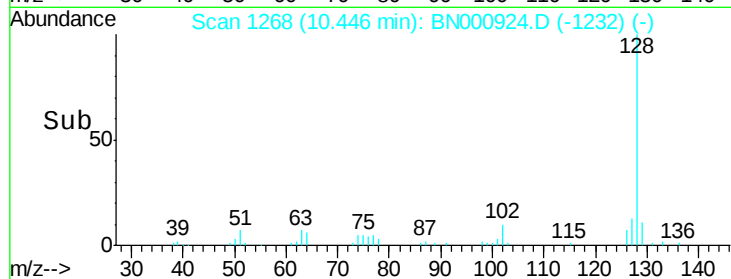
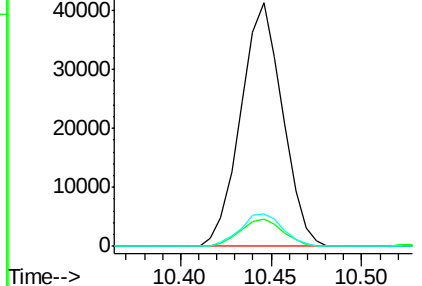
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 2.142 ng/ul

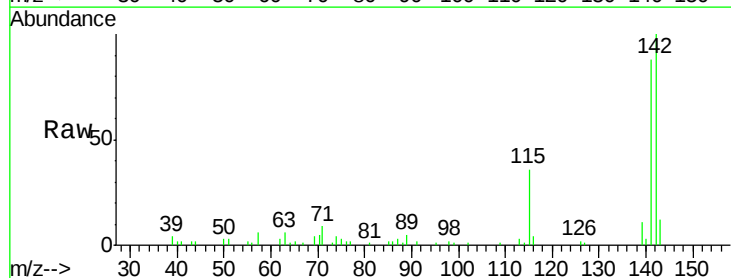
RT: 12.06 min Scan# 1543

Delta R.T. 0.01 min

Lab File: BN000924.D

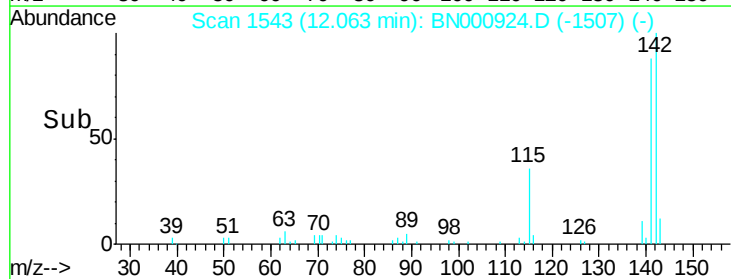
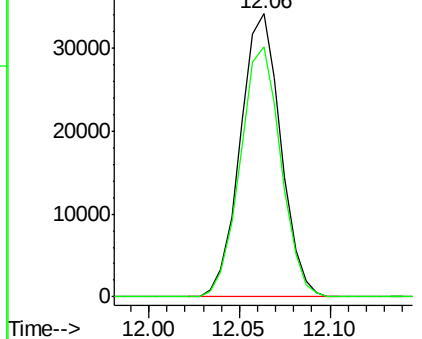
Acq: 26 Apr 2018 10:16

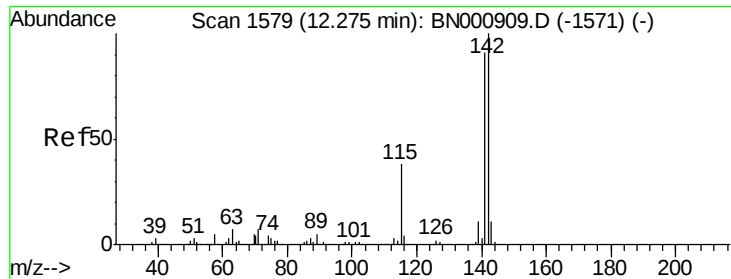
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.7	109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.947 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BN000924.D

Acq: 26 Apr 2018 10:16

Instrument :

BNA_N

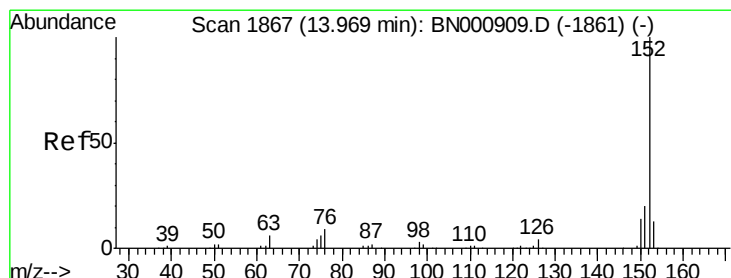
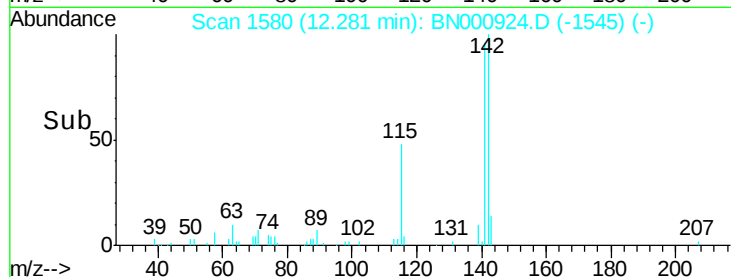
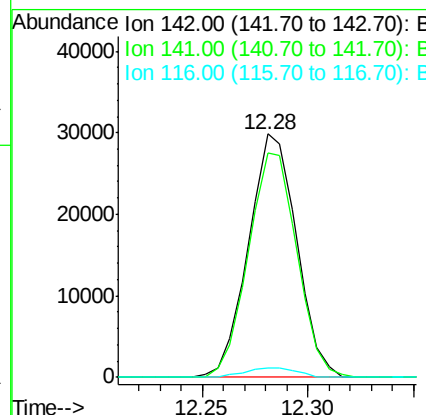
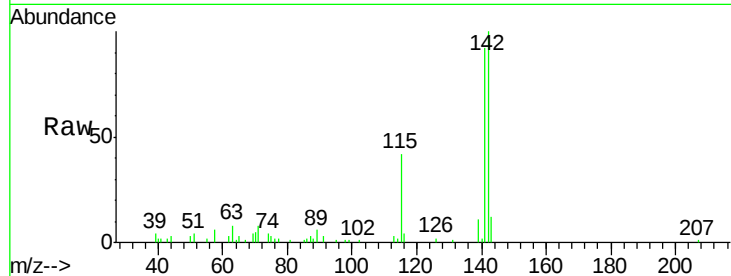
ClientSampled :

DARQ6

Tot Ion:	142	Resp:	47174
Ion	Ratio	Lower	Upper
142	100		
141	92.2	79.3	118.9
116	3.8	4.2	6.2#

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#8

Acenaphthylene

Concen: 1.412 ng/ul

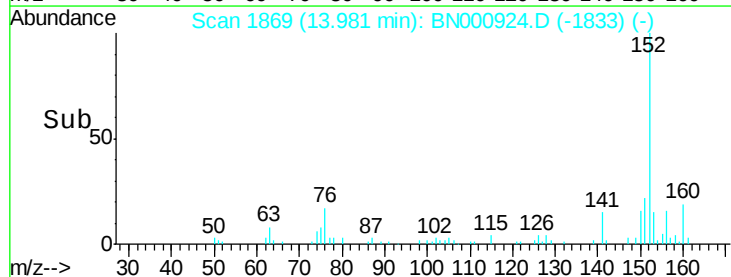
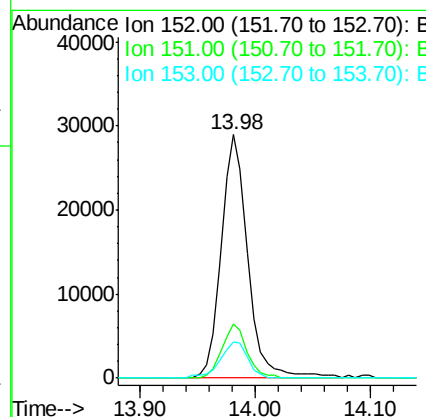
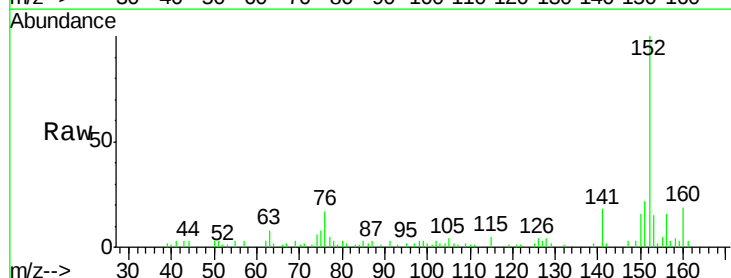
RT: 13.98 min Scan# 1869

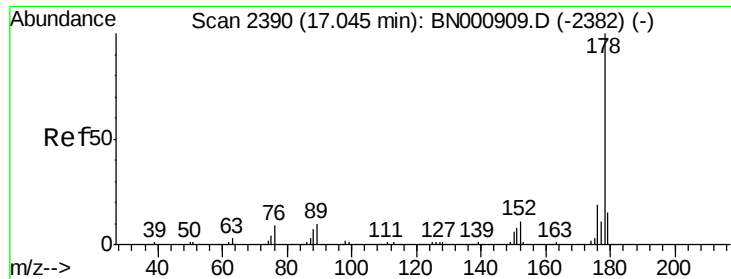
Delta R.T. 0.01 min

Lab File: BN000924.D

Acq: 26 Apr 2018 10:16

Tgt Ion:	152	Resp:	46117
Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.7	25.1
153	14.8	10.2	15.4





#13

Phenanthrene

Concen: 8.522 ng/ul

RT: 17.05 min Scan# 2391

Delta R.T. 0.01 min

Lab File: BN000924.D

Acq: 26 Apr 2018 10:16

Instrument :

BNA_N

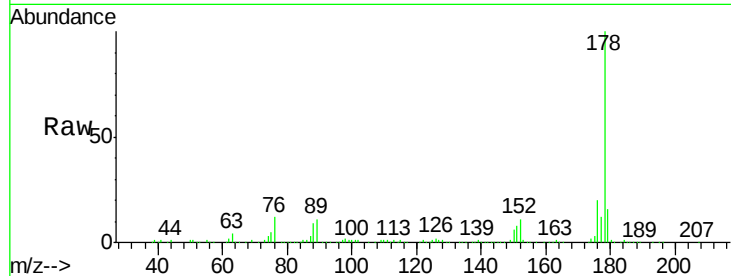
ClientSampled :

DARQ6

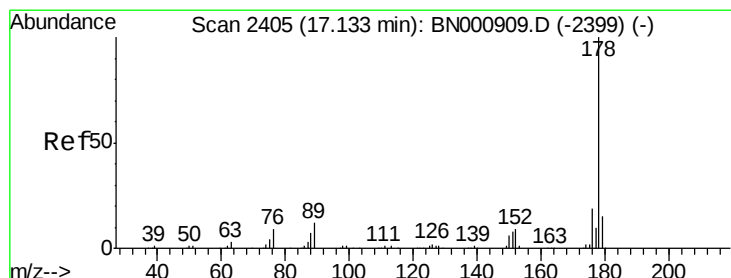
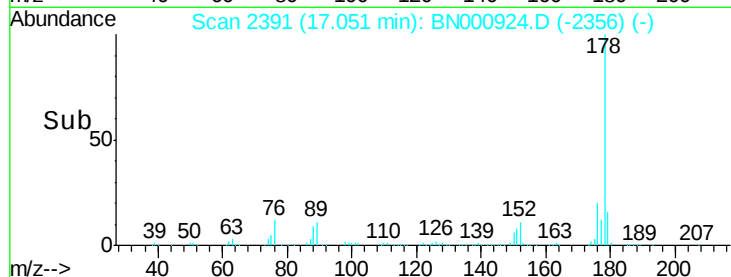
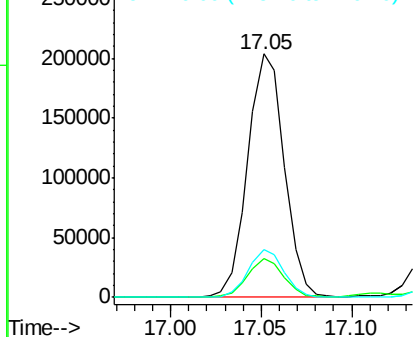
Tot Ion:178	Resp:	282440
Ion Ratio	Lower	Upper
178	100	
179	15.7	12.3 18.5
176	19.7	15.1 22.7

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#15

Anthracene

Concen: 1.883 ng/ul

RT: 17.15 min Scan# 2407

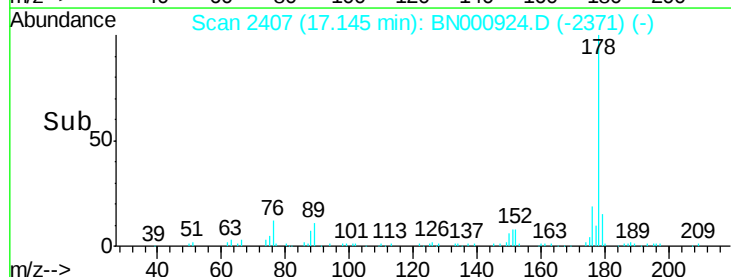
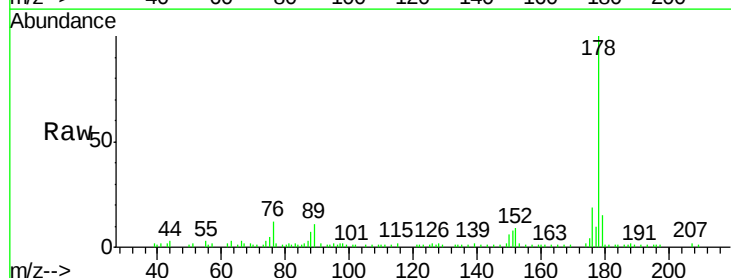
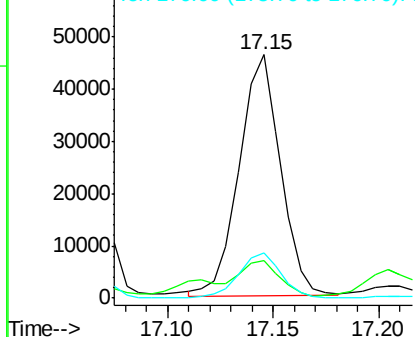
Delta R.T. 0.01 min

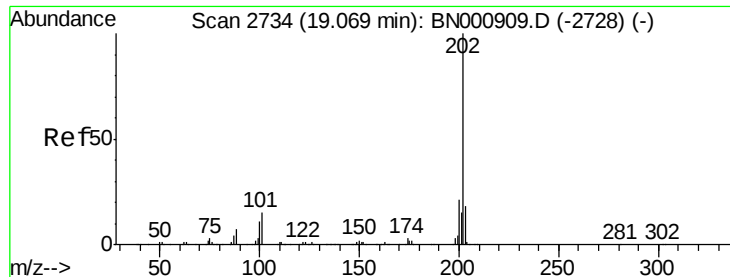
Lab File: BN000924.D

Acq: 26 Apr 2018 10:16

Tgt Ion:178	Resp:	62603
Ion Ratio	Lower	Upper
178	100	
179	15.4	11.8 17.8
176	18.8	15.2 22.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





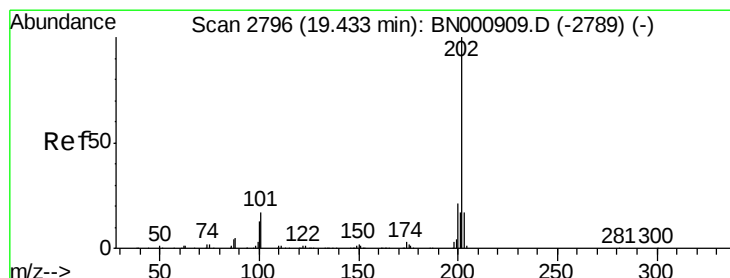
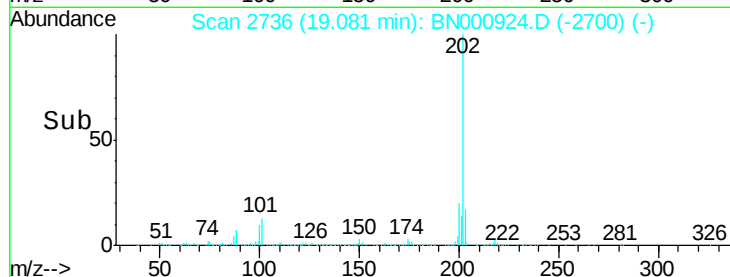
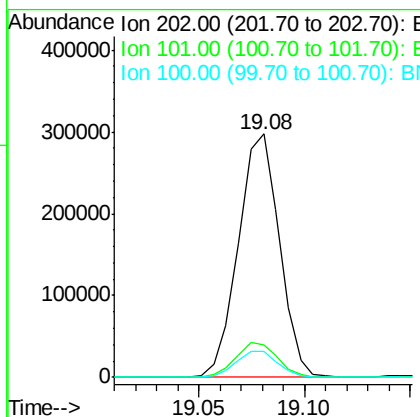
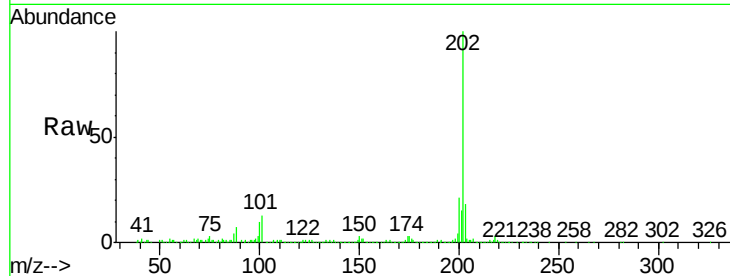
#16
Fluoranthene
Concen: 11.879 ng/ul
RT: 19.08 min Scan# 2736
Delta R.T. 0.01 min
Lab File: BN000924.D
Acq: 26 Apr 2018 10:16

Instrument :
BNA_N
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
202	100	399432		
101	13.4	9.9	14.9	
100	10.5	7.4	11.0	

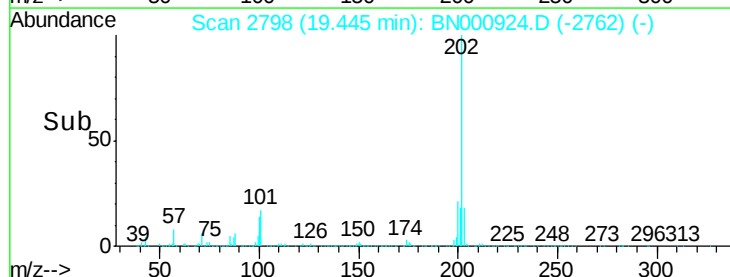
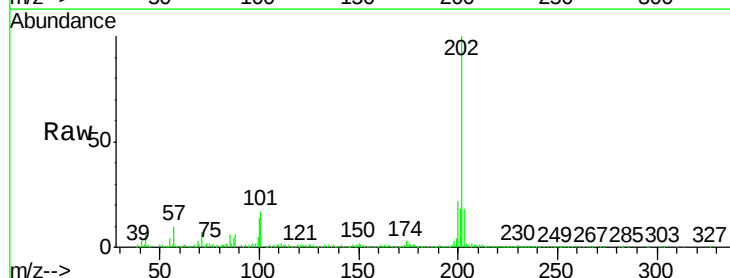
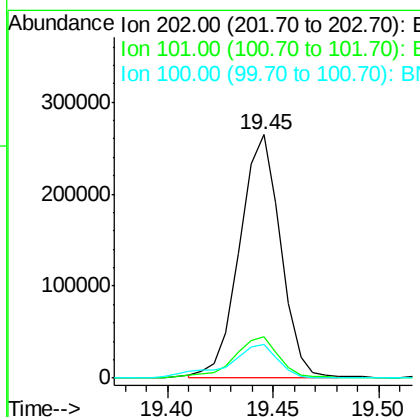
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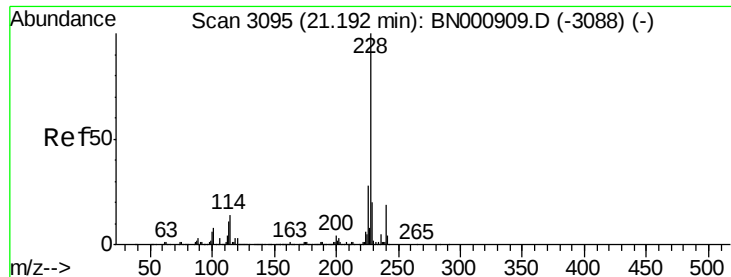
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#19
Pyrene
Concen: 10.698 ng/ul
RT: 19.45 min Scan# 2798
Delta R.T. 0.01 min
Lab File: BN000924.D
Acq: 26 Apr 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	352059		
101	17.0	11.0	16.4#	
100	14.0	8.1	12.1#	





#20

Benzo(a)anthracene

Concen: 6.238 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BN000924.D

Acq: 26 Apr 2018 10:16

Instrument :

BNA_N

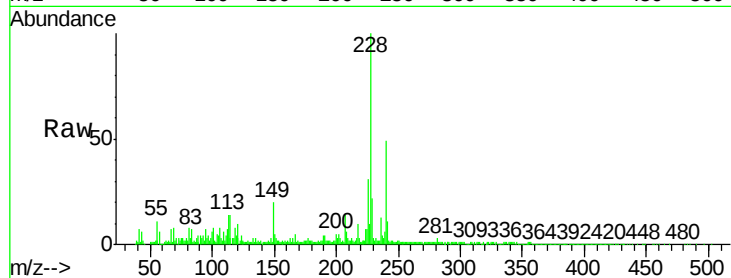
ClientSampleId :

DARQ6

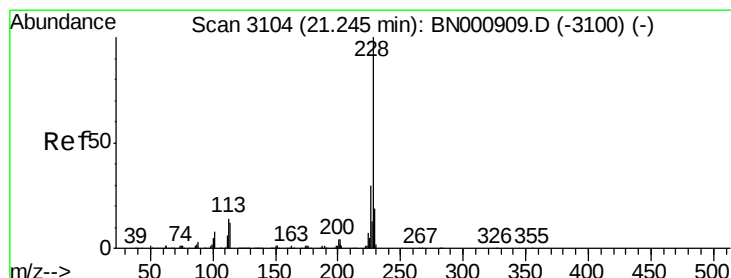
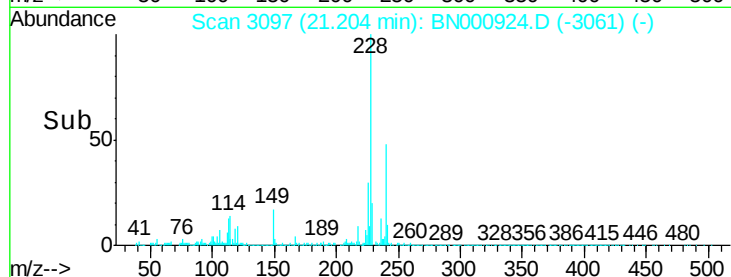
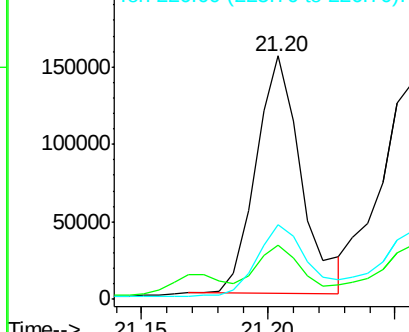
Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		191048		
229	22.2		15.7	23.5	
226	30.9		21.1	31.7	

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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



#21

Chrysene

Concen: 7.256 ng/ul m

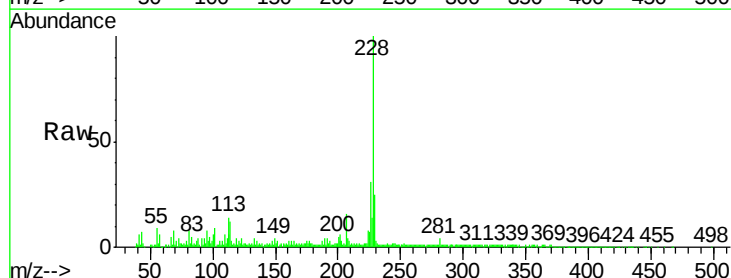
RT: 21.26 min Scan# 3106

Delta R.T. 0.01 min

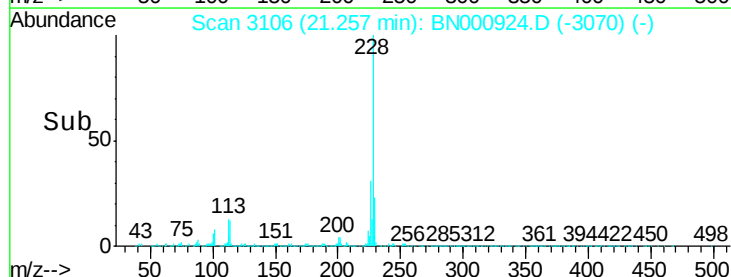
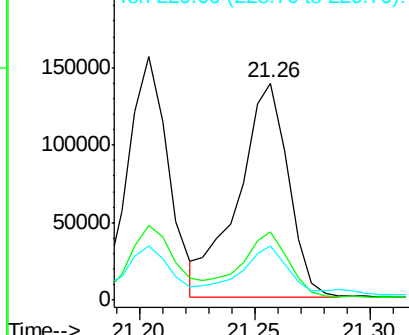
Lab File: BN000924.D

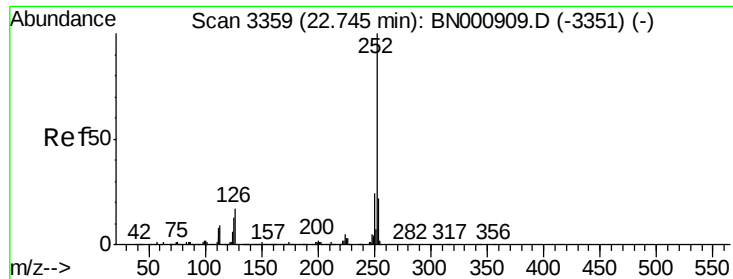
Acq: 26 Apr 2018 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		208849		
226	31.4		24.5	36.7	
229	24.8		15.8	23.8#	



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





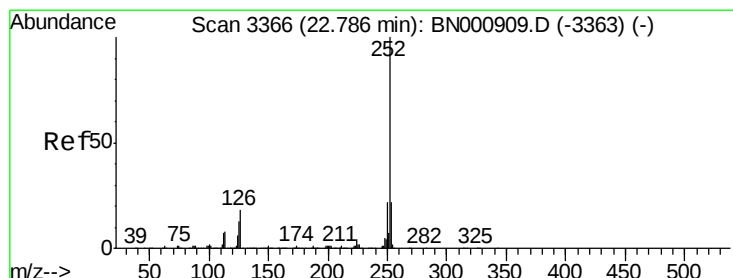
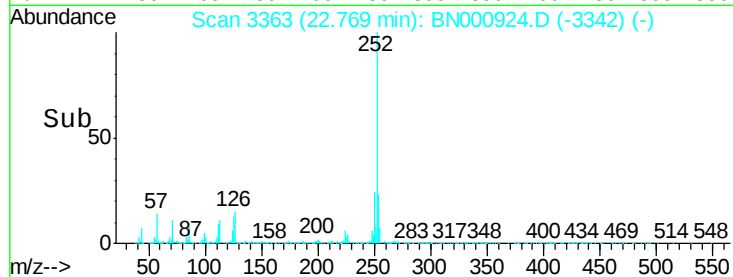
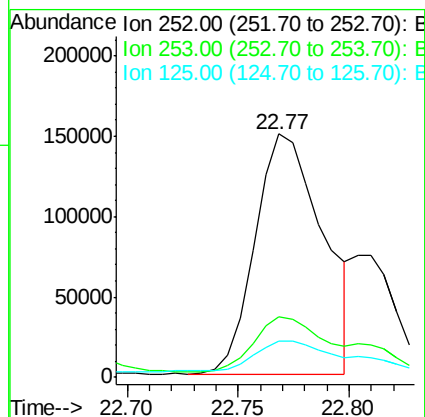
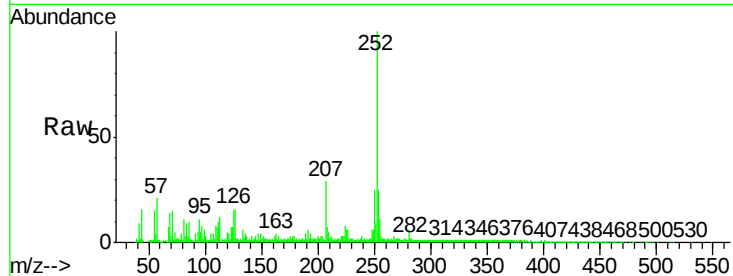
#23
Benzo(b)fluoranthene
Concen: 9.652 ng/ul m
RT: 22.77 min Scan# 3363
Delta R.T. 0.02 min
Lab File: BN000924.D
Acq: 26 Apr 2018 10:16

Instrument :
BNA_N
ClientSampleId :
DARQ6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	15.1	8.0	12.0

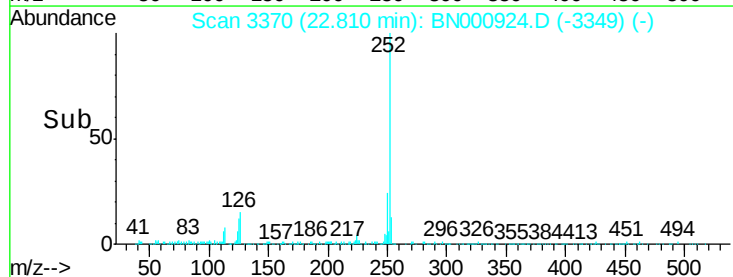
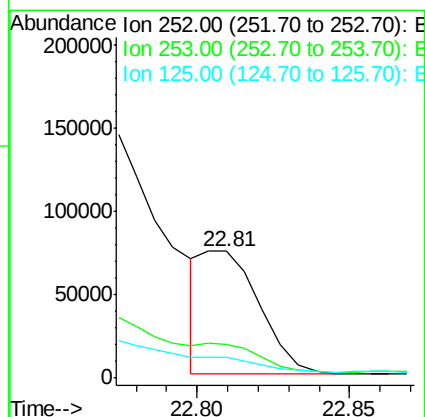
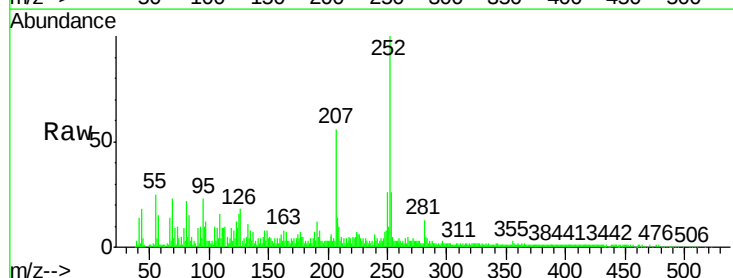
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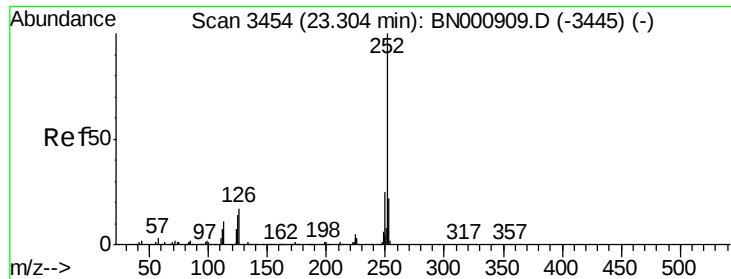
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#24
Benzo(k)fluoranthene
Concen: 2.974 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. 0.02 min
Lab File: BN000924.D
Acq: 26 Apr 2018 10:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.0	27.0
125	16.1	8.1	12.1





#26

Benzo(a)pyrene

Concen: 6.365 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. 0.03 min

Lab File: BN000924.D

Acq: 26 Apr 2018 10:16

Instrument :

BNA_N

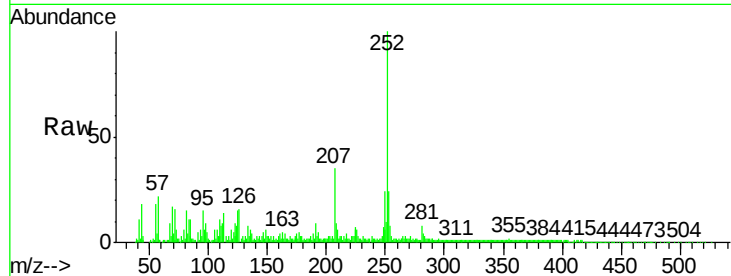
ClientSampleId :

DARQ6

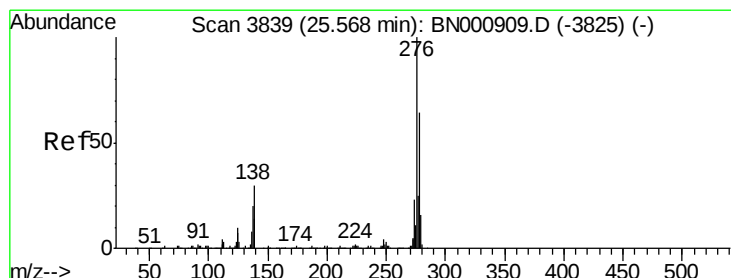
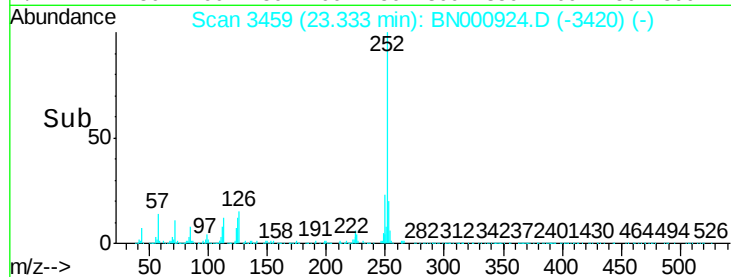
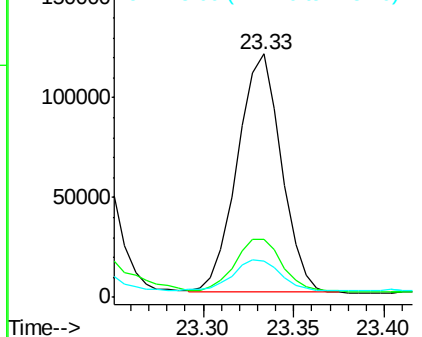
Tot Ion:	252	Resp:	202460
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.2	25.8
125	14.8	8.2	12.4#

Manual Integrations
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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



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.403 ng/ul

RT: 25.62 min Scan# 3847

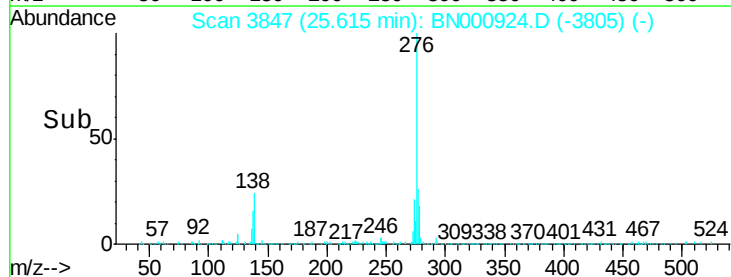
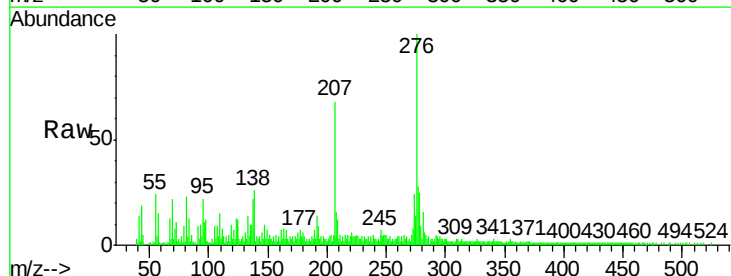
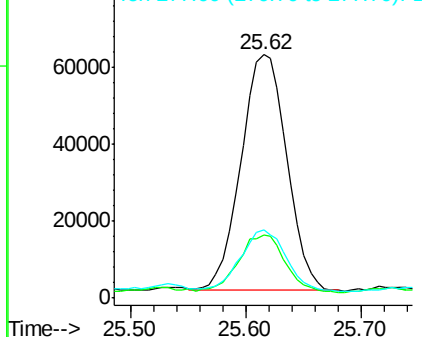
Delta R.T. 0.05 min

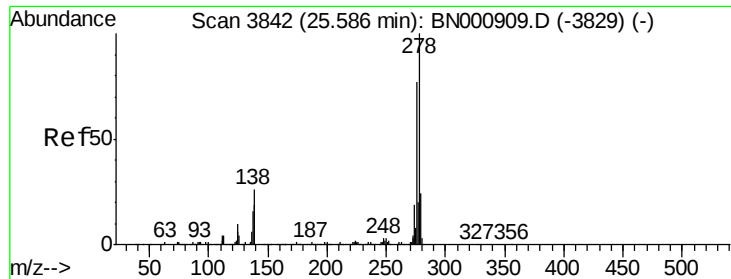
Lab File: BN000924.D

Acq: 26 Apr 2018 10:16

Tgt Ion:	276	Resp:	169163
Ion Ratio	Lower	Upper	
276	100		
138	26.1	14.4	21.6#
277	28.0	18.0	27.0#

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





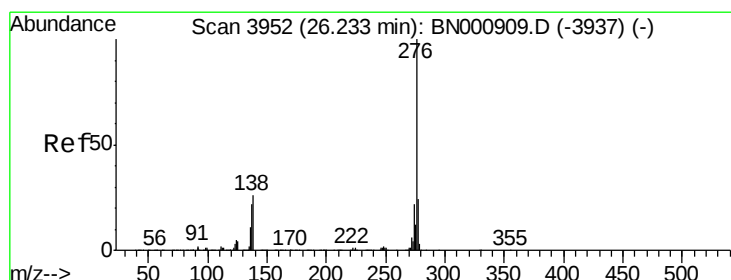
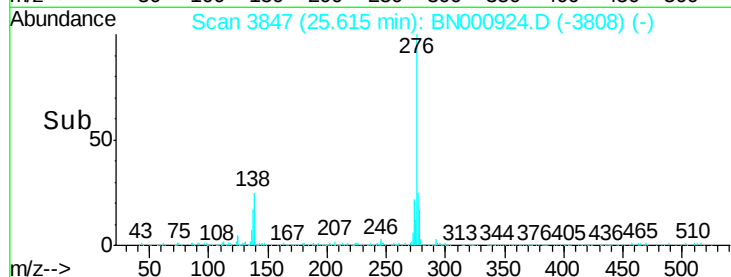
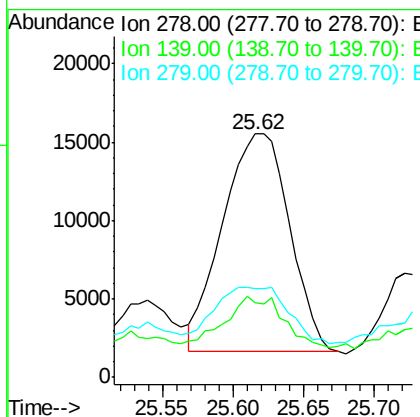
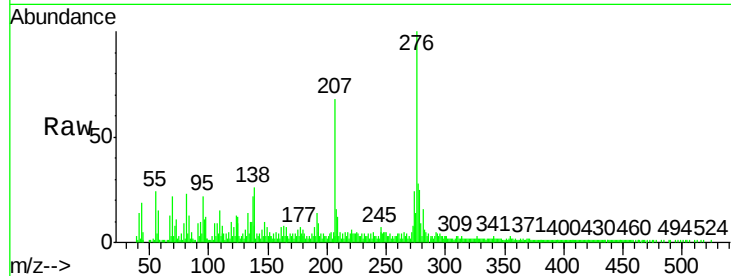
#28
Dibenzo(a,h)anthracene
Concen: 1.433 ng/ul
RT: 25.62 min Scan# 3847
Delta R.T. 0.03 min
Lab File: BN000924.D
Acq: 26 Apr 2018 10:16

Instrument :
BNA_N
ClientSampleId :
DARQ6

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.6	12.2	18.4#
279	36.5	19.2	28.8#

Manual Integrations
APPROVED

Sohil
4/26/2018 6:23:59 PM



#29
Benzo(g,h,i)perylene
Concen: 5.888 ng/ul
RT: 26.29 min Scan# 3962
Delta R.T. 0.06 min
Lab File: BN000924.D
Acq: 26 Apr 2018 10:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	15.3	22.9#
277	25.9	19.0	28.4

