

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
 Data File : BN007009.D
 Acq On : 08 Aug 2019 05:05
 Operator : HP/JU
 Sample : K3962-19
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BENZ5

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:15:55 AM

Quant Time: Aug 08 08:29:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 17:30:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	8306	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	33427	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	20553	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	51764m	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	36732m	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	29782	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	10838	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	32364m	0.19	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.28	128	7817	0.081	ng/ul	98
5) 2-Methylnaphthalene	11.91	142	3868	0.054	ng/ul	100
7) Acenaphthylene	13.83	152	20142	0.169	ng/ul	99
8) Acenaphthene	14.18	153	11695	0.144	ng/ul	99
9) Fluorene	15.17	166	16023	0.162	ng/ul	98
12) Phenanthrene	16.90	178	405797m	2.460	ng/ul	
13) Anthracene	16.99	178	66769m	0.396	ng/ul	
15) Fluoranthene	18.93	202	1179139m	5.750	ng/ul	
17) Pyrene	19.29	202	1018892	6.213	ng/ul	99
18) Benzo(a)anthracene	21.06	228	458001m	2.838	ng/ul	
19) Chrysene	21.11	228	533242	3.529	ng/ul	97
21) Benzo(b)fluoranthene	22.58	252	626600m	5.190	ng/ul	
22) Benzo(k)fluoranthene	22.61	252	207999m	1.777	ng/ul	
23) Benzo(a)pyrene	23.11	252	395230	3.477	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.30	276	288958	2.358	ng/ul	92
25) Dibenzo(a,h)anthracene	25.31	278	68132	0.696	ng/ul#	91
26) Benzo(g,h,i)perylene	25.93	276	286582	2.788	ng/ul	98

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

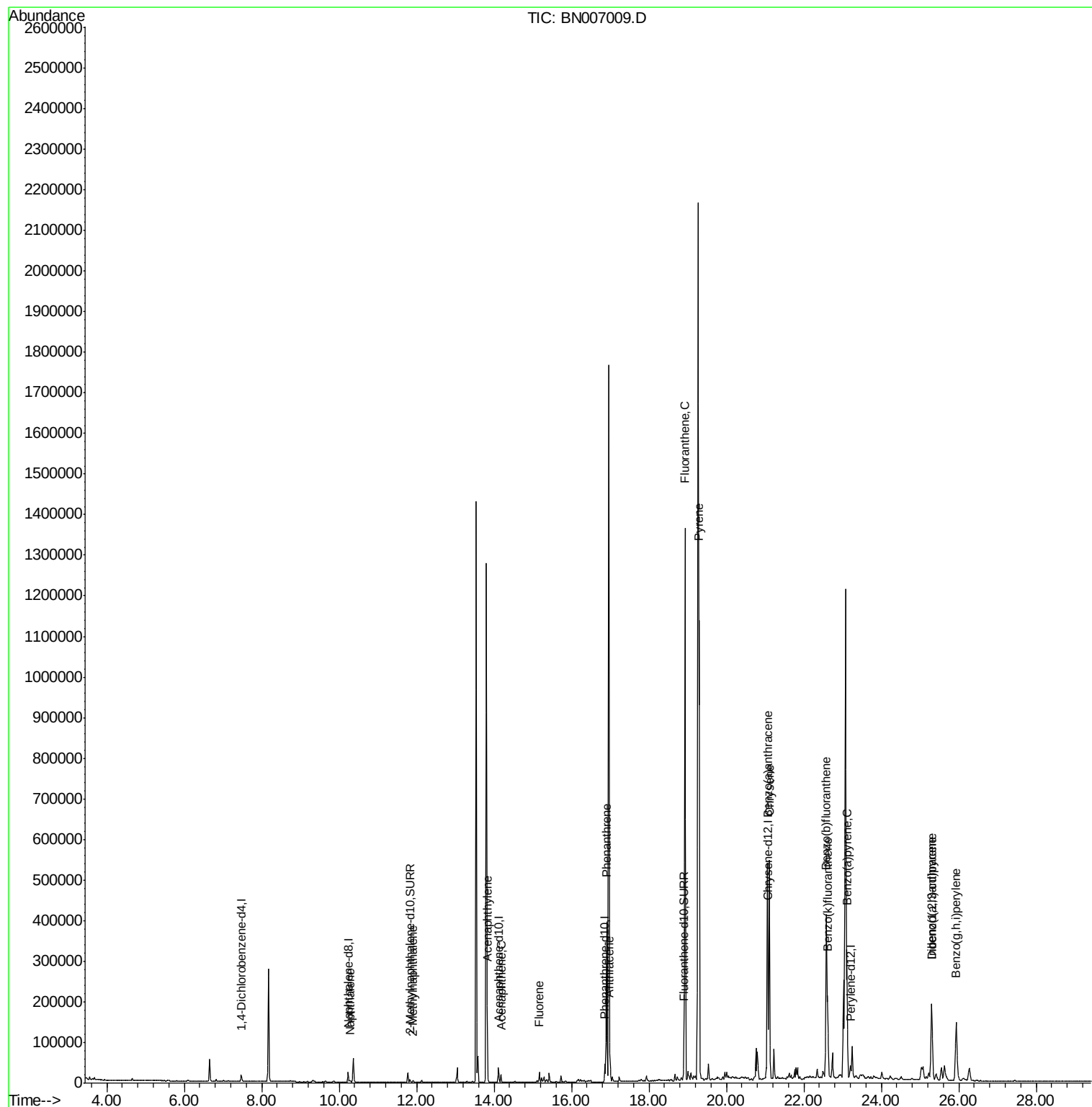
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN007009.D
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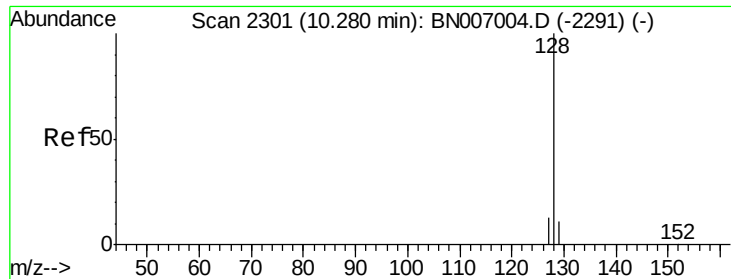
Instrument :
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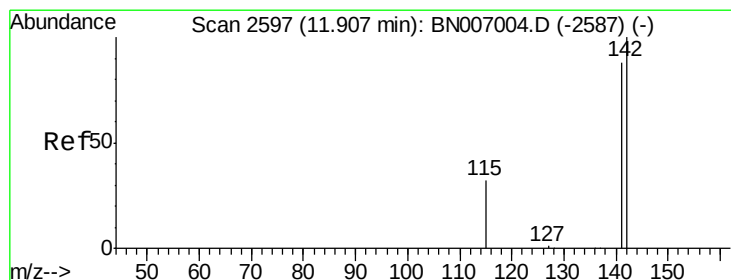
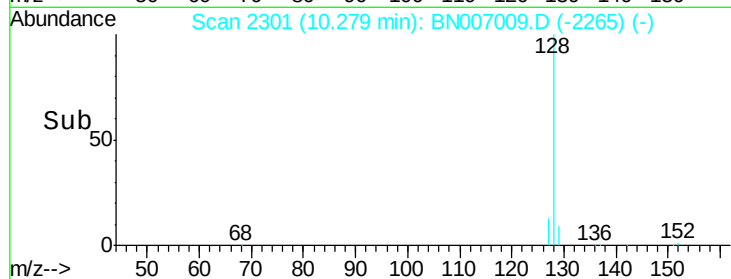
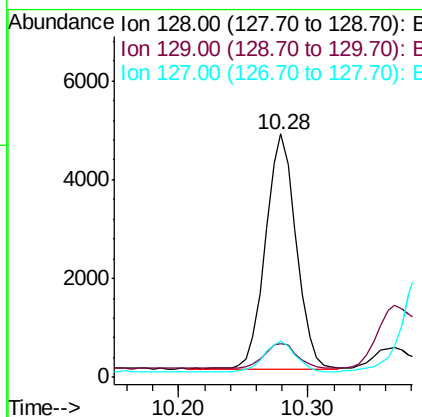
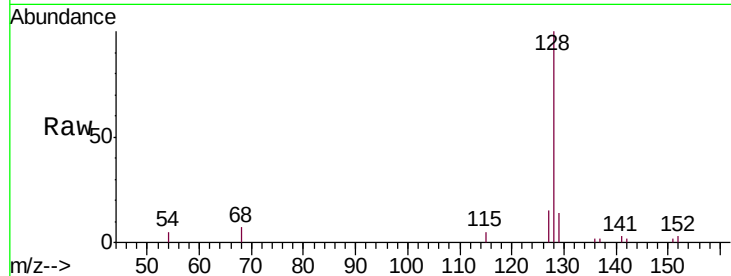
#3
Naphthalene
Concen: 0.081 ng/ul
RT: 10.28 min Scan# 2301
Delta R.T. -0.00 min
Lab File: BN007009.D
Acq: 08 Aug 2019 05:05

Instrument :
BNA_N
ClientSampleId :
BENZ5

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.8	10.0	15.0
127	14.9	11.7	17.5

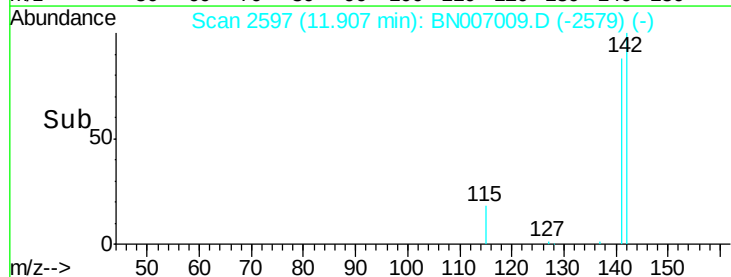
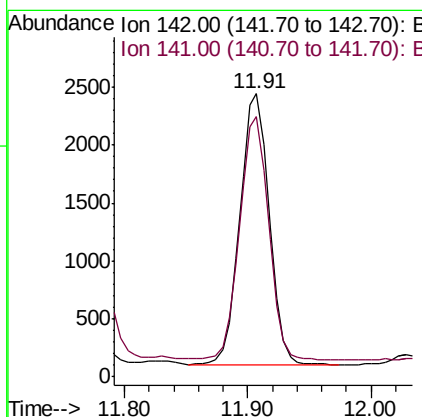
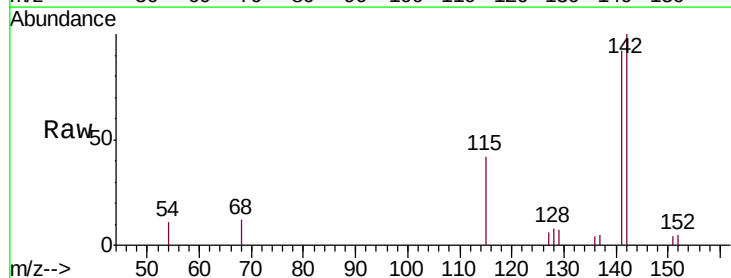
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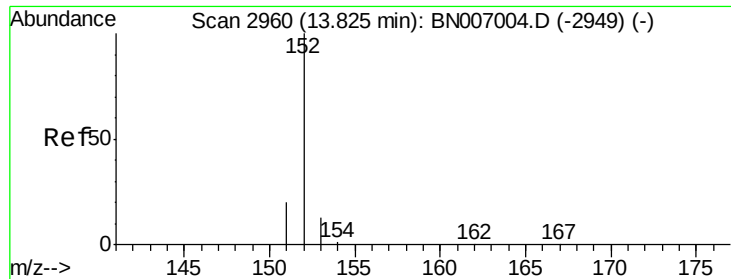
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#5
2-Methylnaphthalene
Concen: 0.054 ng/ul
RT: 11.91 min Scan# 2597
Delta R.T. -0.00 min
Lab File: BN007009.D
Acq: 08 Aug 2019 05:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6





#7

Acenaphthylene

Concen: 0.169 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007009.D

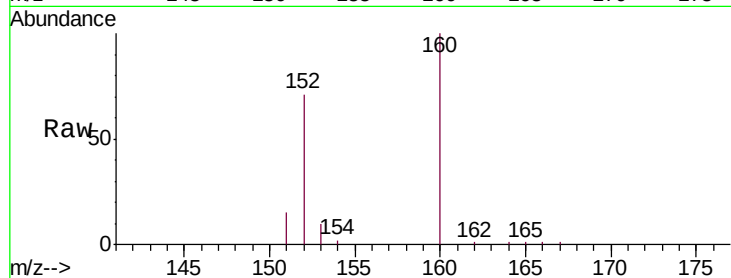
Acq: 08 Aug 2019 05:05

Instrument :

BNA_N

ClientSampleId :

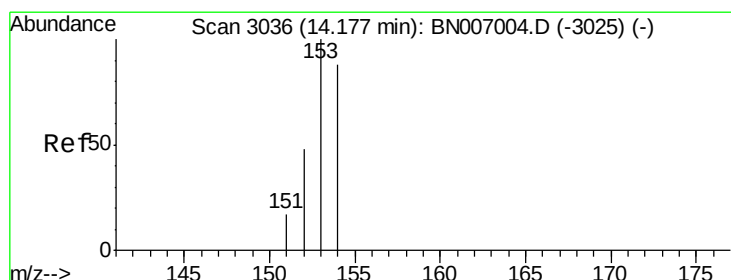
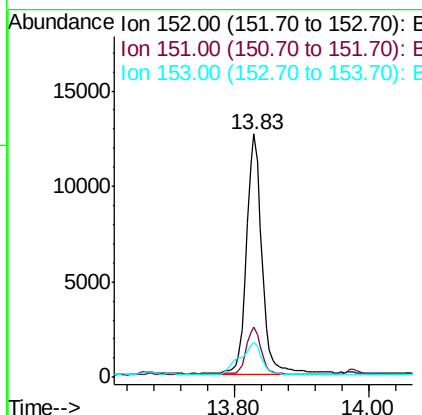
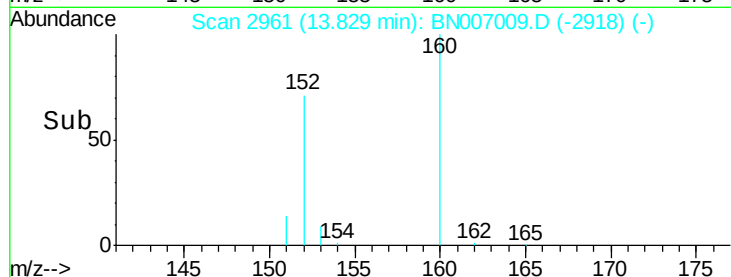
BENZ5



Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	14.2	11.0	16.4

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#8

Acenaphthene

Concen: 0.144 ng/ul

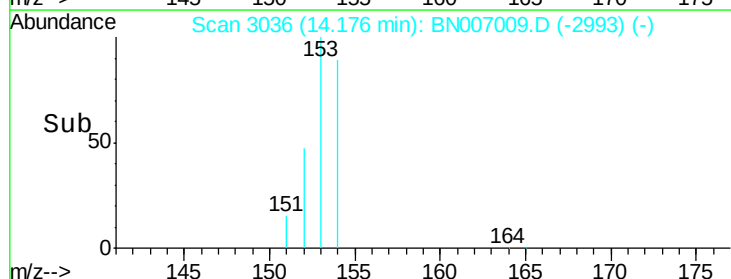
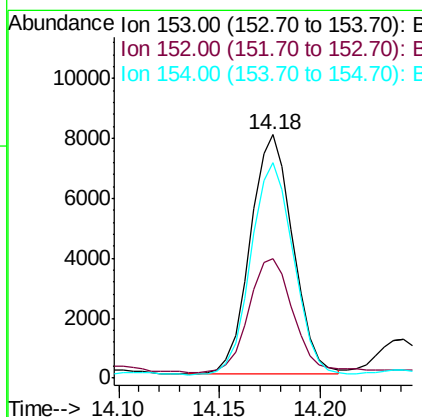
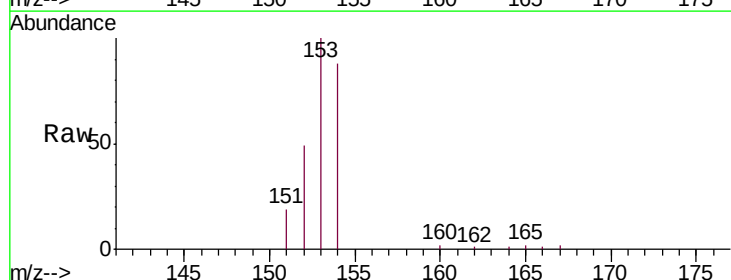
RT: 14.18 min Scan# 3036

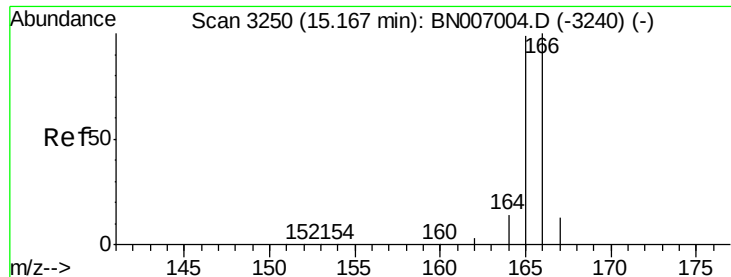
Delta R.T. -0.00 min

Lab File: BN007009.D

Acq: 08 Aug 2019 05:05

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.1	39.4	59.2
154	88.3	70.1	105.1





#9

Fluorene

Concen: 0.162 ng/ul

RT: 15.17 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BN007009.D

Acq: 08 Aug 2019 05:05

Instrument :

BNA_N

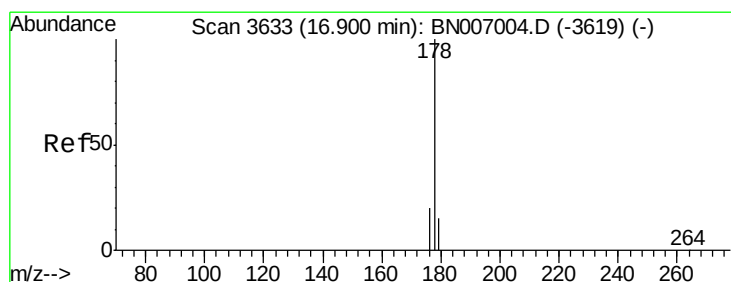
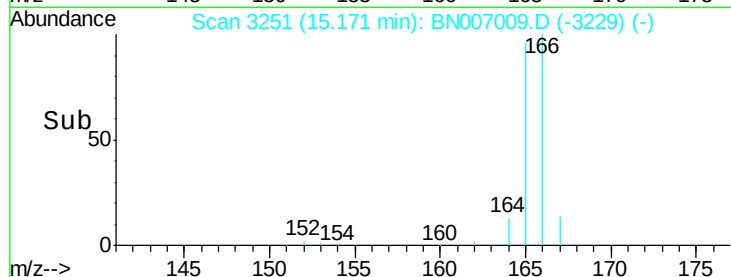
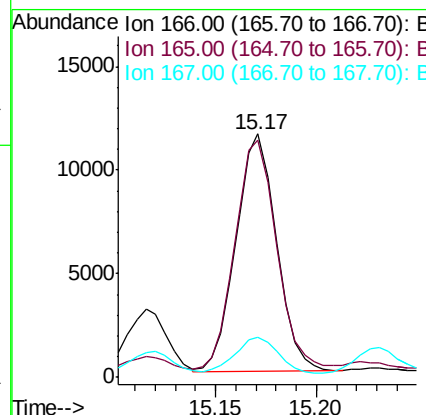
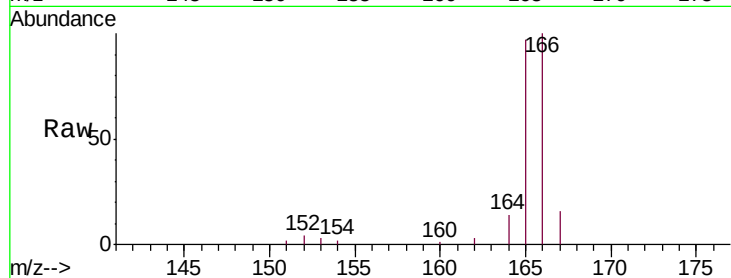
ClientSampleId :

BENZ5

Tgt Ion:	166	Resp:	16023
Ion Ratio		Lower	Upper
166	100		
165	97.3	78.8	118.2
167	16.3	11.3	16.9

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#12

Phenanthrene

Concen: 2.460 ng/ul m

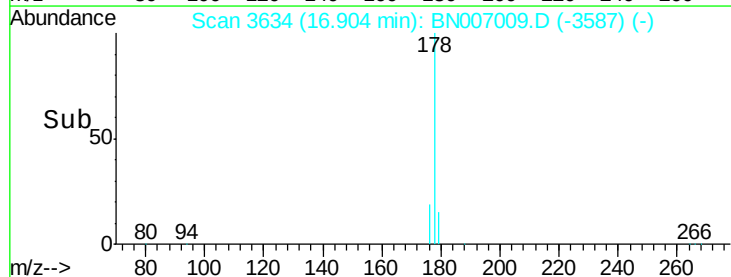
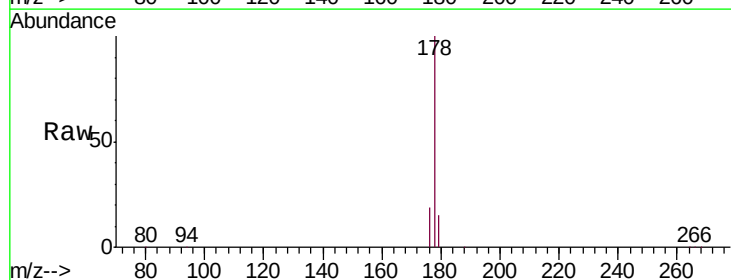
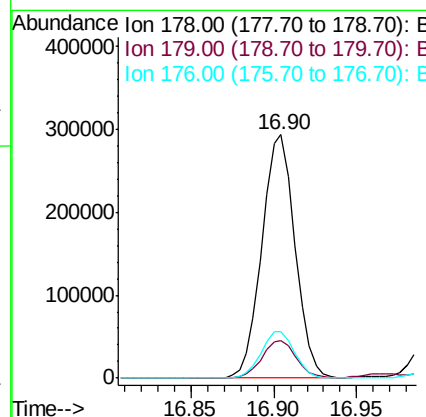
RT: 16.90 min Scan# 3634

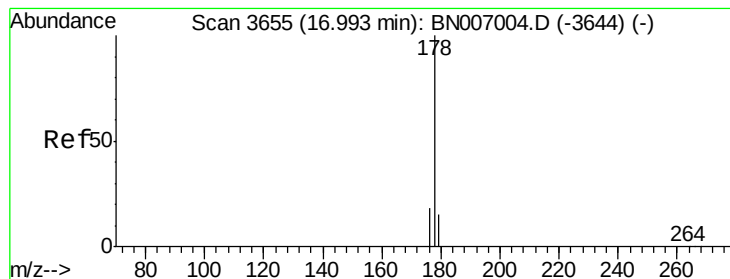
Delta R.T. -0.00 min

Lab File: BN007009.D

Acq: 08 Aug 2019 05:05

Tgt Ion:	178	Resp:	405797
Ion Ratio		Lower	Upper
178	100		
179	15.5	12.5	18.7
176	18.9	15.6	23.4





#13

Anthracene

Concen: 0.396 ng/ul m

RT: 16.99 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN007009.D

Acq: 08 Aug 2019 05:05

Instrument :

BNA_N

ClientSampleId :

BENZ5

Tgt Ion:178 Resp: 66769

Ion Ratio Lower Upper

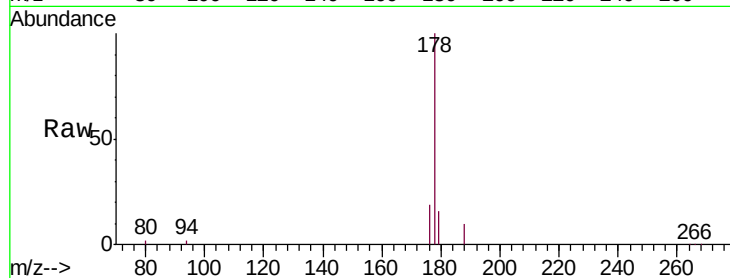
178 100

179 16.3 12.6 18.8

176 19.0 15.4 23.0

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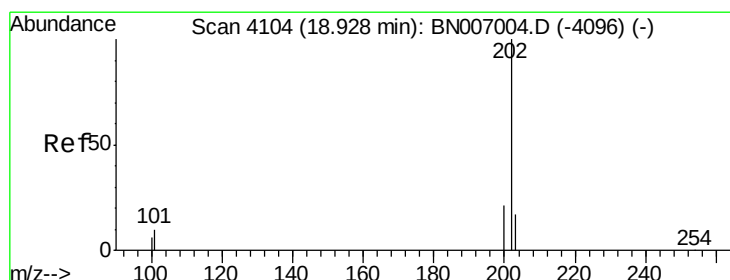
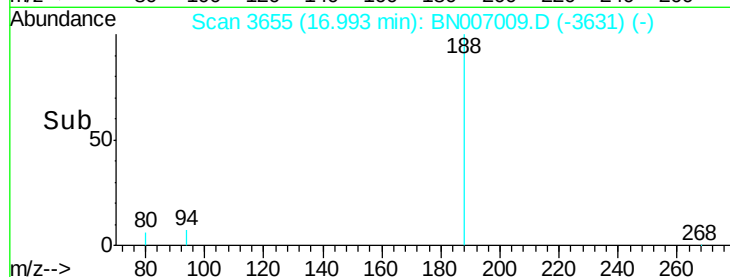
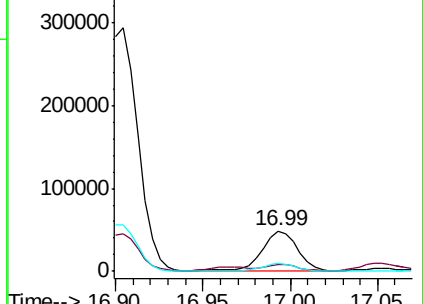
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 5.750 ng/ul m

RT: 18.93 min Scan# 4105

Delta R.T. -0.00 min

Lab File: BN007009.D

Acq: 08 Aug 2019 05:05

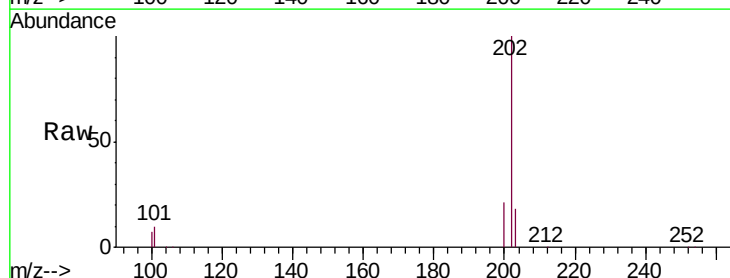
Tgt Ion:202 Resp: 1179139

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.0

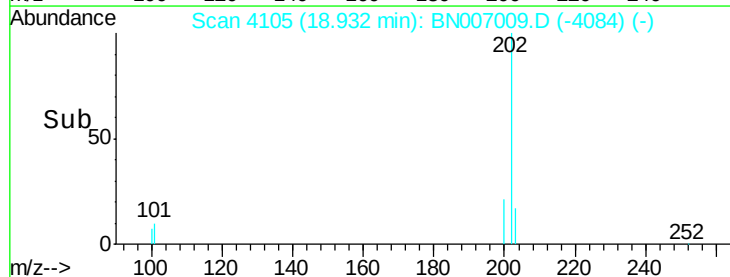
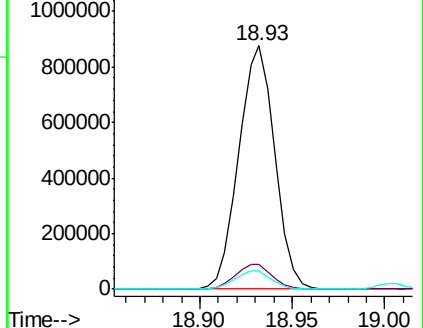
100 7.3 0.0 27.7

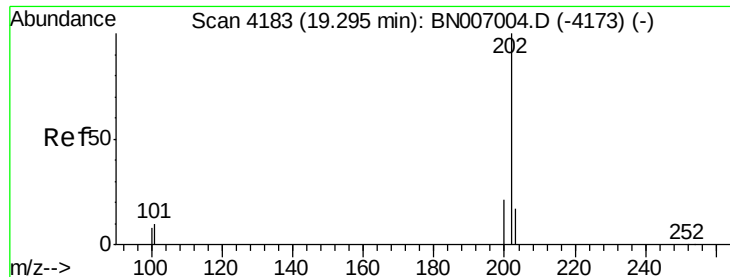


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





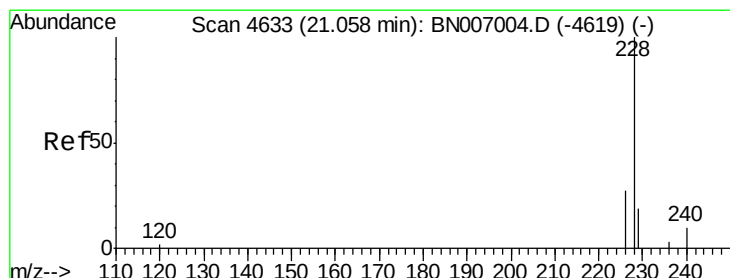
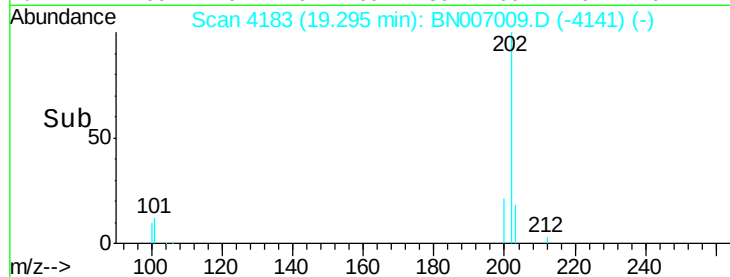
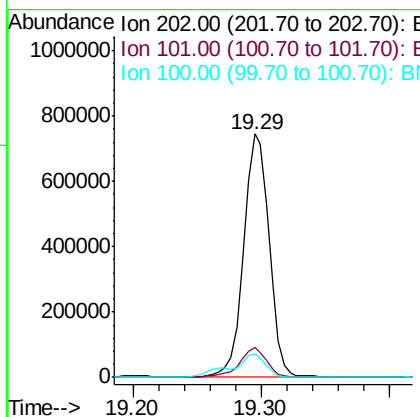
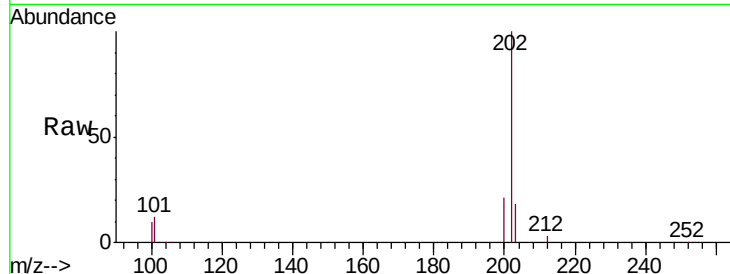
#17
 Pyrene
 Concen: 6.213 ng/ul
 RT: 19.29 min Scan# 4183
 Delta R.T. -0.00 min
 Lab File: BN007009.D
 Acq: 08 Aug 2019 05:05

Instrument :
 BNA_N
 ClientSampled :
 BENZ5

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1018892		
101	12.2	9.3	13.9	
100	9.6	7.3	10.9	

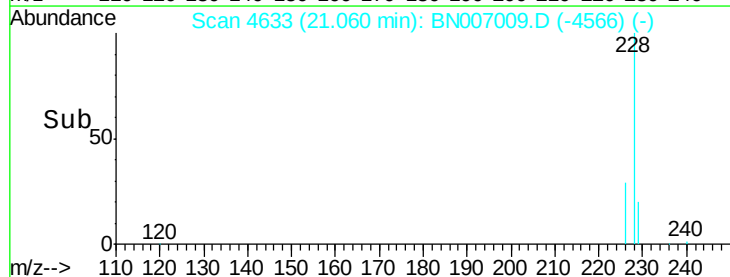
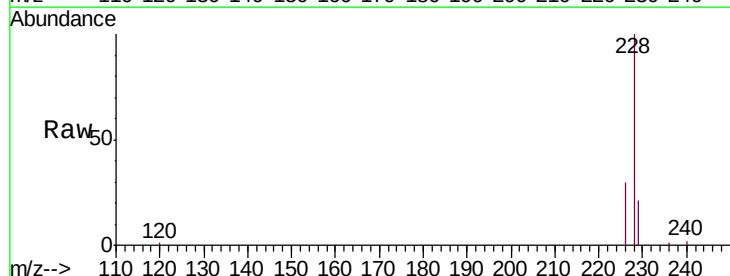
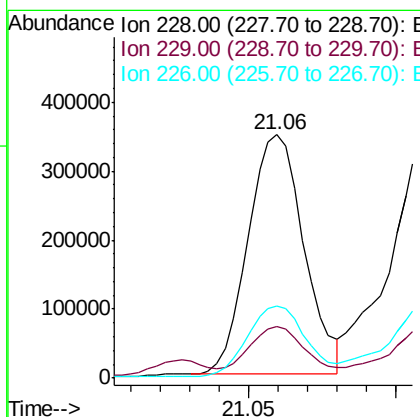
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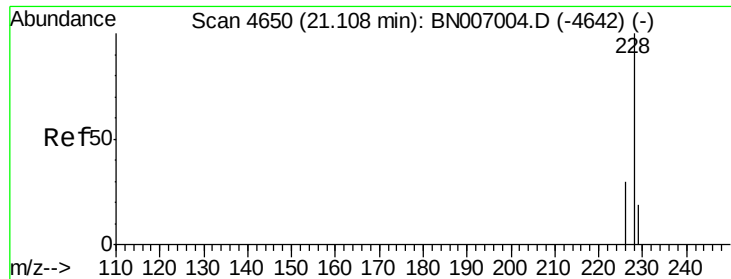
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#18
 Benzo(a)anthracene
 Concen: 2.838 ng/ul m
 RT: 21.06 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: BN007009.D
 Acq: 08 Aug 2019 05:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	458001		
229	21.0	15.9	23.9	
226	29.9	22.2	33.4	





#19

Chrysene

Concen: 3.529 ng/ul

RT: 21.11 min Scan# 4650

Delta R.T. -0.00 min

Lab File: BN007009.D

Acq: 08 Aug 2019 05:05

Instrument :

BNA_N

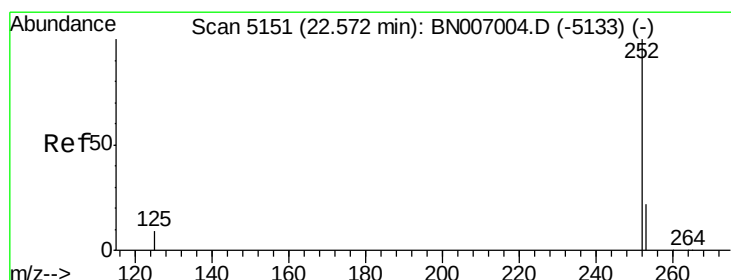
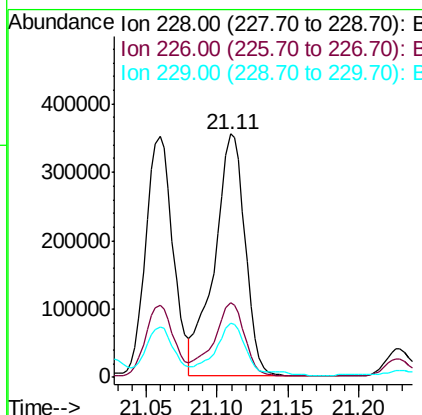
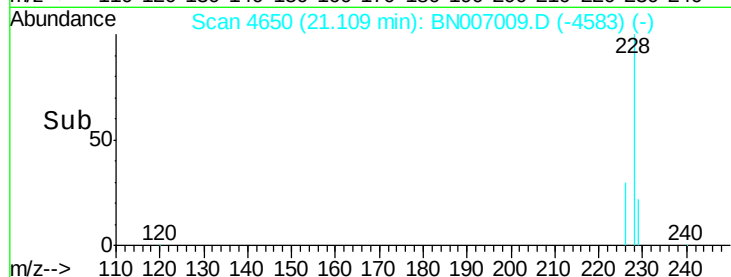
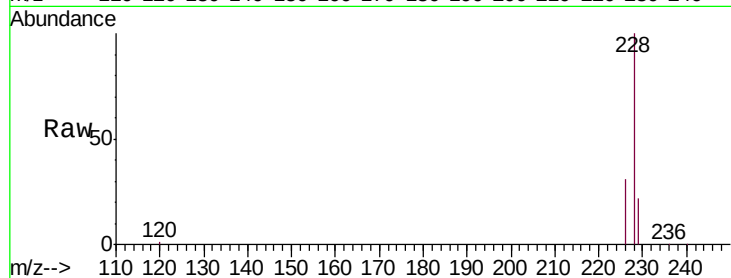
ClientSampleId :

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Tgt	Ion:228	Resp:	533242
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	22.3	15.5	23.3

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#21

Benzo(b)fluoranthene

Concen: 5.190 ng/ul m

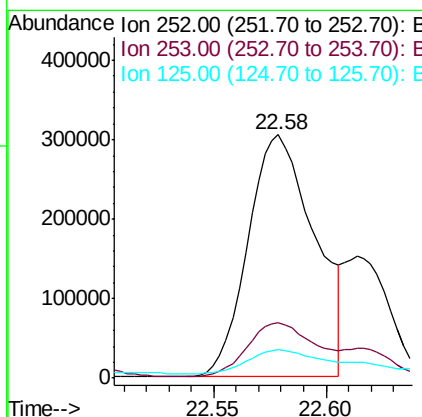
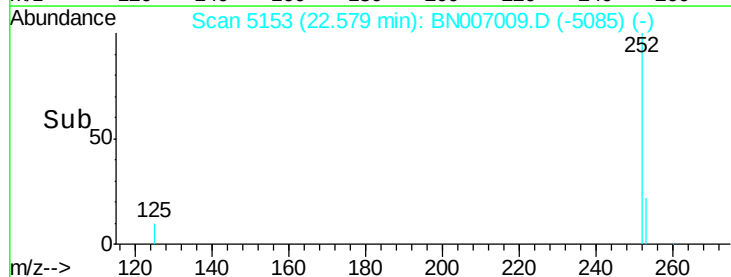
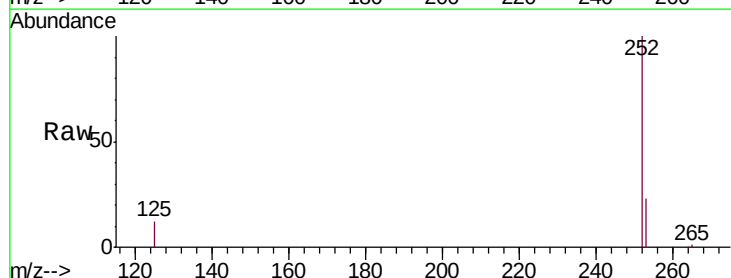
RT: 22.58 min Scan# 5153

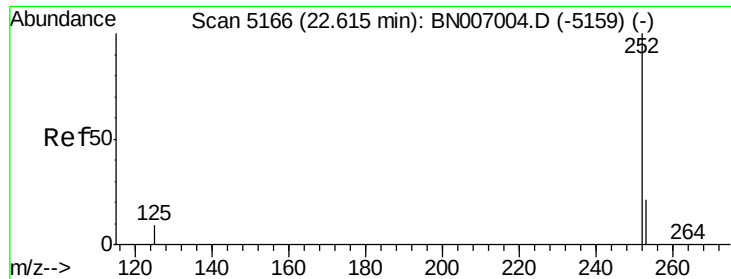
Delta R.T. -0.00 min

Lab File: BN007009.D

Acq: 08 Aug 2019 05:05

Tgt	Ion:252	Resp:	626600
Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	45.2
125	11.6	0.0	22.2





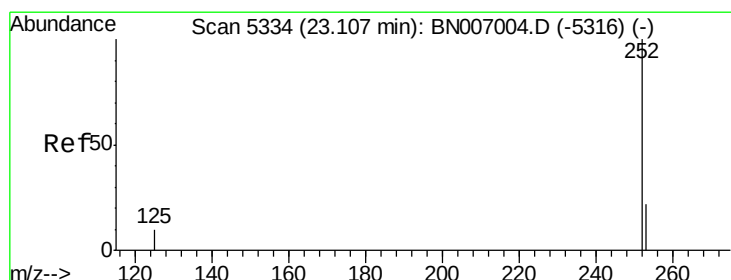
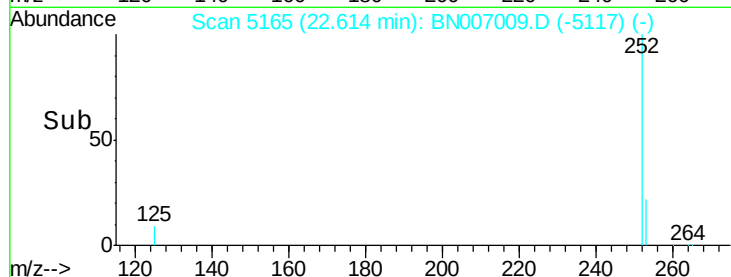
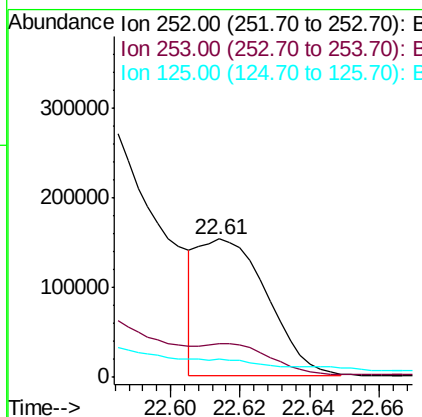
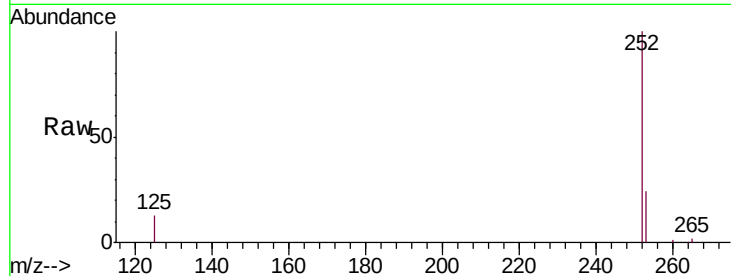
#22
Benzo(k)fluoranthene
Concen: 1.777 ng/ul m
RT: 22.61 min Scan# 5165
Delta R.T. -0.01 min
Lab File: BN007009.D
Acq: 08 Aug 2019 05:05

Instrument :
BNA_N
ClientSampleId :
BENZ5

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	207999		
253	24.5	18.6	28.0	
125	12.8	8.7	13.1	

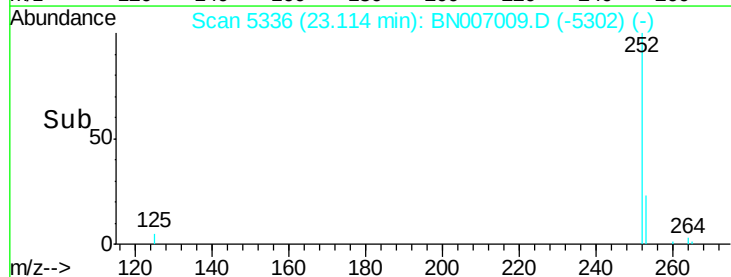
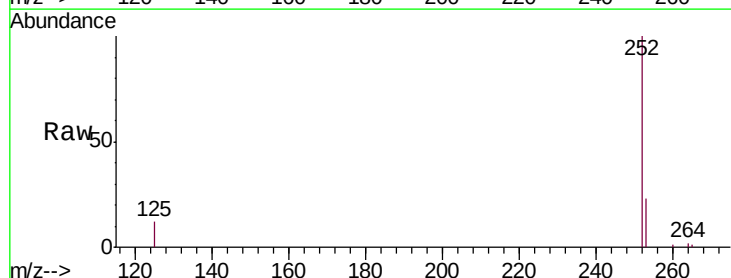
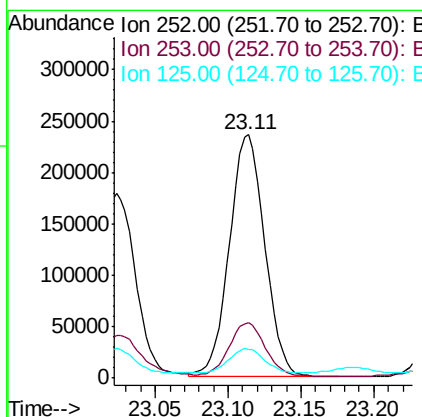
Manual Integrations
APPROVED

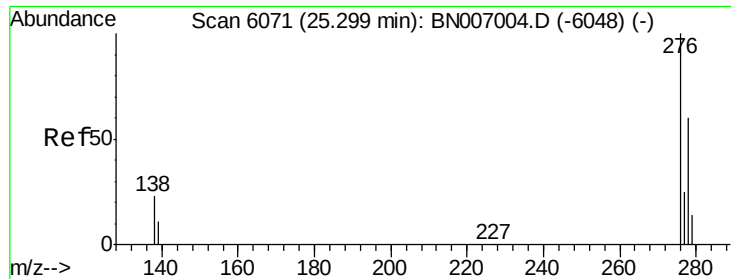
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#23
Benzo(a)pyrene
Concen: 3.477 ng/ul
RT: 23.11 min Scan# 5336
Delta R.T. -0.00 min
Lab File: BN007009.D
Acq: 08 Aug 2019 05:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	395230		
253	22.8	18.0	27.0	
125	12.0	10.0	15.0	





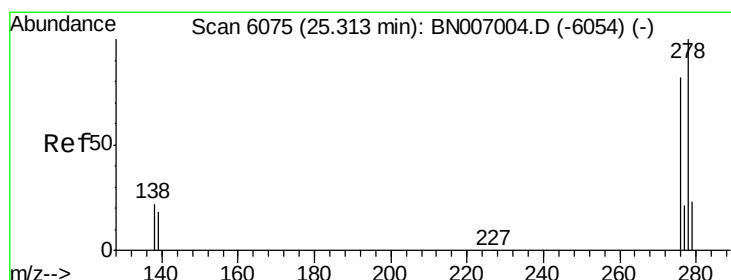
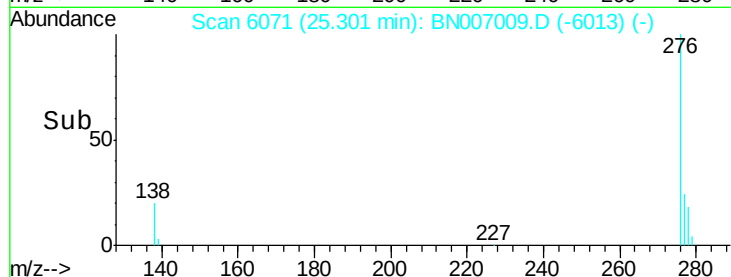
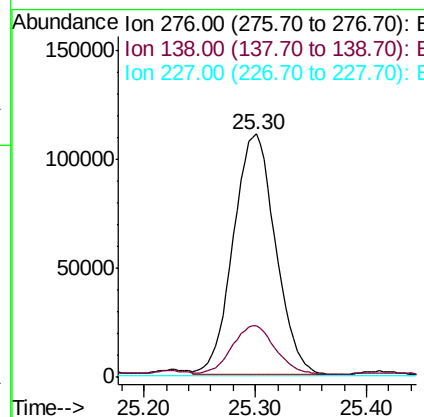
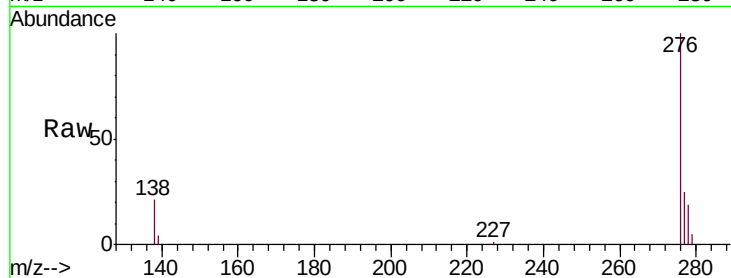
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.358 ng/ul
 RT: 25.30 min Scan# 6071
 Delta R.T. -0.01 min
 Lab File: BN007009.D
 Acq: 08 Aug 2019 05:05

Instrument :
 BNA_N
 ClientSampleId :
 BENZ5

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	21.0	19.9	29.9
227	0.2	0.2	0.4

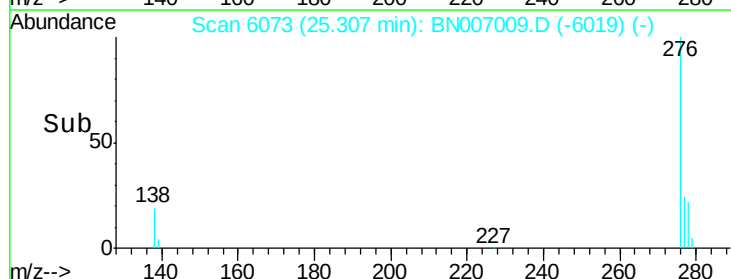
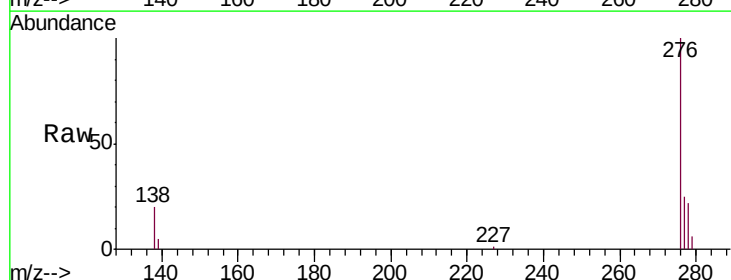
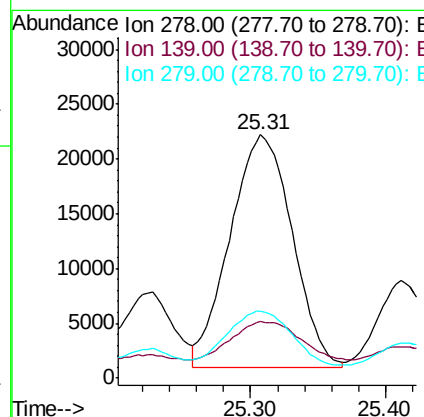
Manual Integrations
 APPROVED

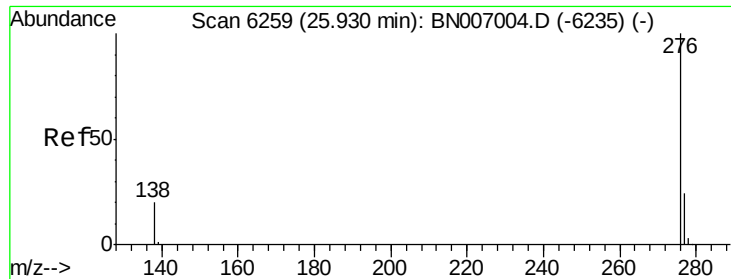
mohammad
 8/9/2019 6:15:55 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.696 ng/ul
 RT: 25.31 min Scan# 6073
 Delta R.T. -0.02 min
 Lab File: BN007009.D
 Acq: 08 Aug 2019 05:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	23.2	14.3	21.5#
279	27.7	19.6	29.4





#26
 Benzo(g,h,i)perylene
 Concen: 2.788 ng/ul
 RT: 25.93 min Scan# 6260
 Delta R.T. -0.00 min
 Lab File: BN007009.D
 Acq: 08 Aug 2019 05:05

Instrument :
 BNA_N
 ClientSampleId :
 BENZ5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.7	28.1
277	24.3	19.3	28.9

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:15:55 AM

