

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102419\
 Data File : BN008392.D
 Acq On : 24 Oct 2019 17:50
 Operator : JU
 Sample : K5235-16DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPB6DL

Manual Integrations
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mohammad
 10/25/2019 8:05:49 AM

Quant Time: Oct 24 18:25:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 14:07:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1996	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.34	136	9666	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	6084	0.40	ng/ul	-0.01
10) Phenanthrene-d10	16.96	188	12918	0.40	ng/ul	-0.02
16) Chrysene-d12	21.17	240	10994	0.40	ng/ul	-0.01
20) Perylene-d12	23.33	264	8801	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	484	0.03	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	1836	0.04	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.38	128	1174	0.043	ng/ul#	84
5) 2-Methylnaphthalene	12.02	142	558	0.030	ng/ul	99
7) Acenaphthylene	13.93	152	4316	0.149	ng/ul	96
8) Acenaphthene	14.27	153	1794	0.080	ng/ul	97
9) Fluorene	15.26	166	2249	0.088	ng/ul#	94
12) Phenanthrene	17.00	178	55288	1.462	ng/ul	99
13) Anthracene	17.09	178	11641	0.350	ng/ul	99
15) Fluoranthene	19.03	202	154294	3.089	ng/ul	99
17) Pyrene	19.39	202	170499	3.895	ng/ul	99
18) Benzo(a)anthracene	21.15	228	92904	2.324	ng/ul	98
19) Chrysene	21.20	228	99672	2.032	ng/ul	98
21) Benzo(b)fluoranthene	22.69	252	92890m	3.242	ng/ul	
22) Benzo(k)fluoranthene	22.73	252	33688m	1.038	ng/ul	
23) Benzo(a)pyrene	23.24	252	68680	2.278	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.48	276	36604	1.031	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.49	278	9926	0.354	ng/ul	93
26) Benzo(g,h,i)perylene	26.14	276	37998	1.167	ng/ul	98

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

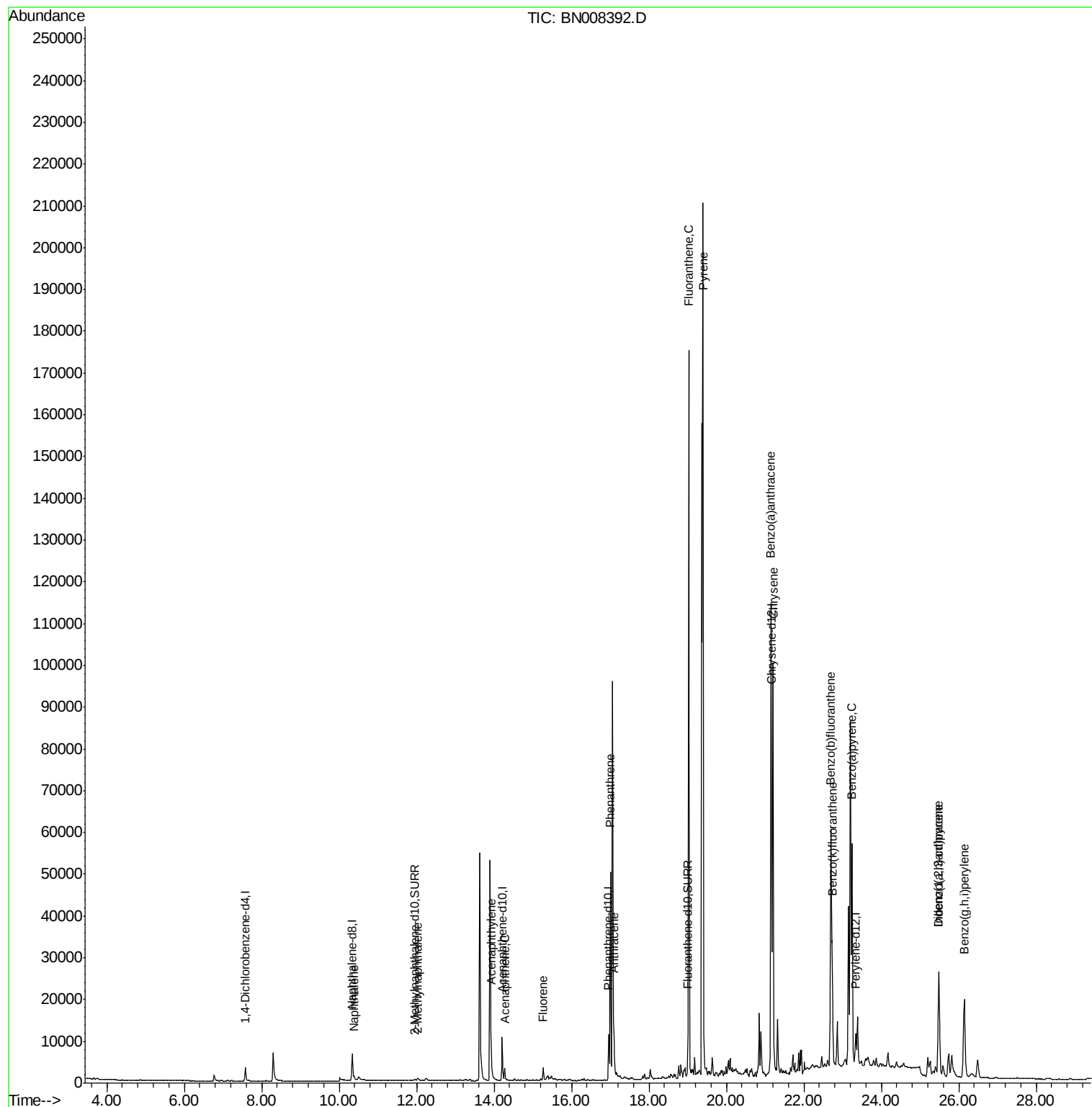
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102419\
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ALS Vial : 15 Sample Multiplier: 1

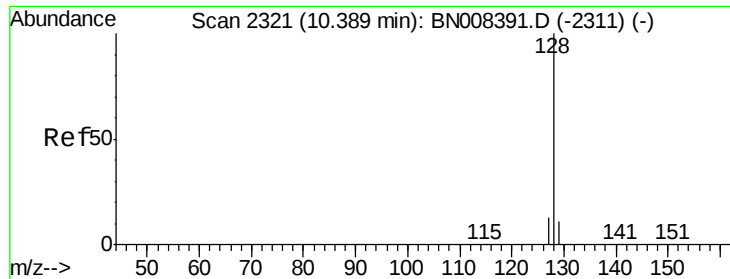
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
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QLast Update : Wed Oct 23 14:07:55 2019
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#3

Naphthalene

Concen: 0.043 ng/ul

RT: 10.38 min Scan# 2320

Delta R.T. -0.02 min

Lab File: BN008392.D

Acq: 24 Oct 2019 17:50

Instrument :

BNA_N

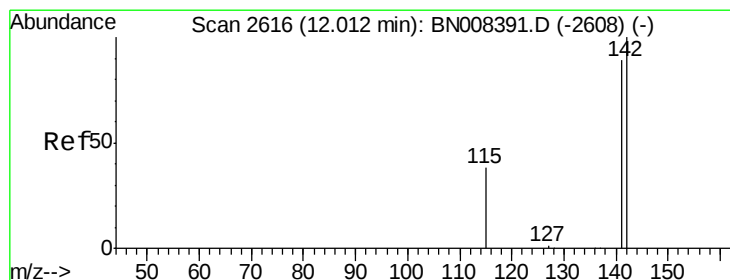
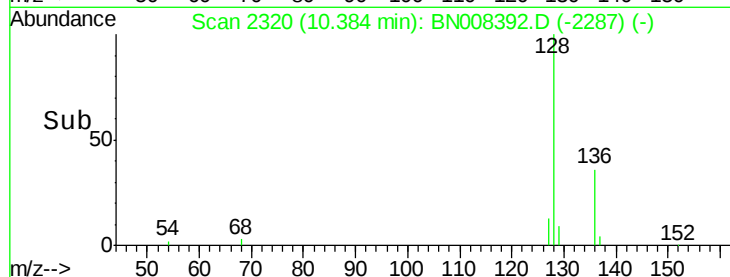
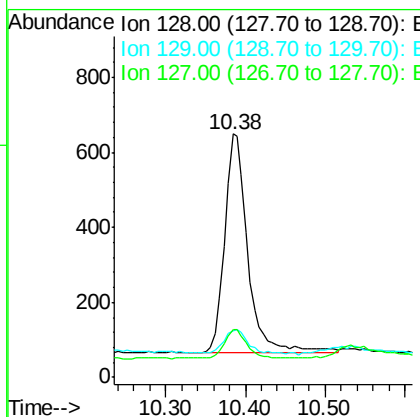
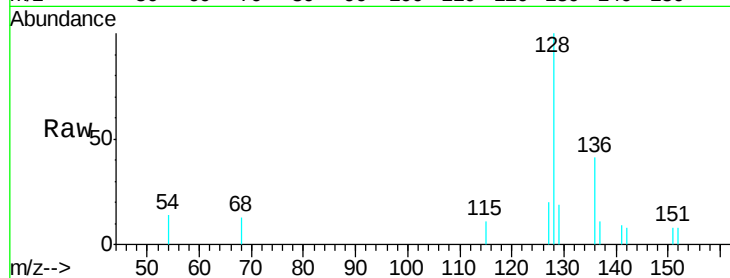
ClientSampleId :

BEPB6DL

Tgt Ion:	128	Resp:	1174
Ion Ratio	Lower	Upper	
128	100		
129	19.4	9.8	14.8#
127	19.7	11.1	16.7#

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#5

2-Methylnaphthalene

Concen: 0.030 ng/ul

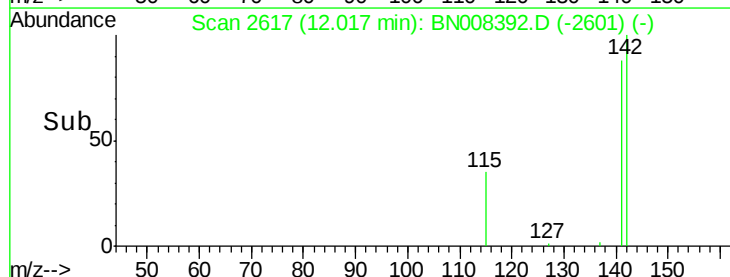
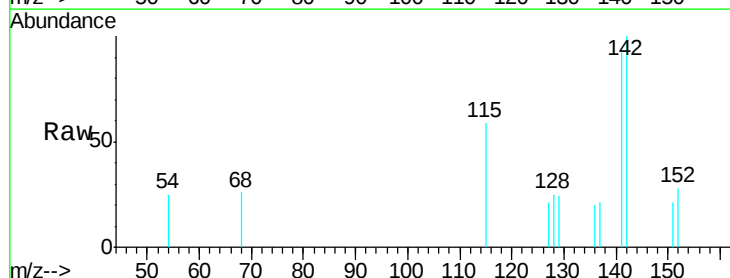
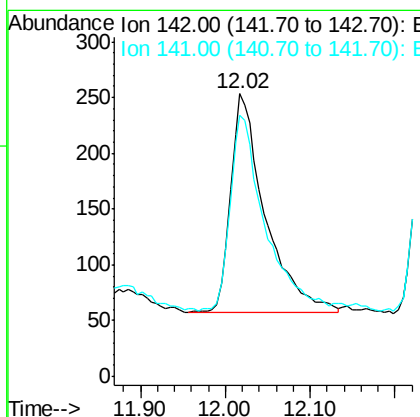
RT: 12.02 min Scan# 2617

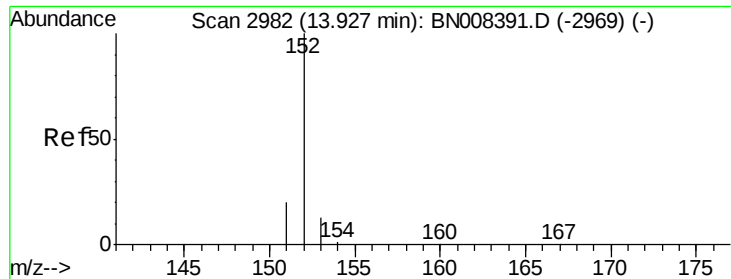
Delta R.T. -0.01 min

Lab File: BN008392.D

Acq: 24 Oct 2019 17:50

Tgt Ion:	142	Resp:	558
Ion Ratio	Lower	Upper	
142	100		
141	88.7	71.4	107.2





#7

Acenaphthylene

Concen: 0.149 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BN008392.D

Acq: 24 Oct 2019 17:50

Instrument :

BNA_N

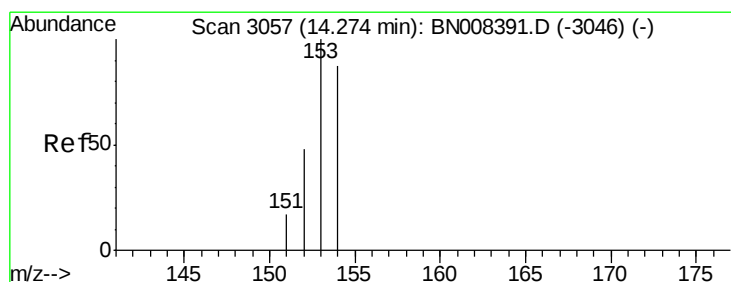
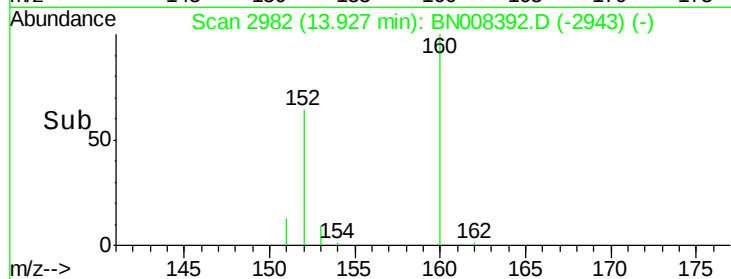
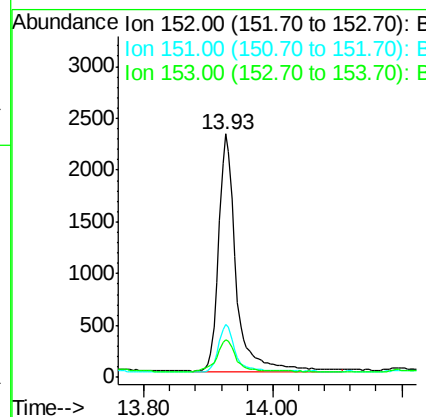
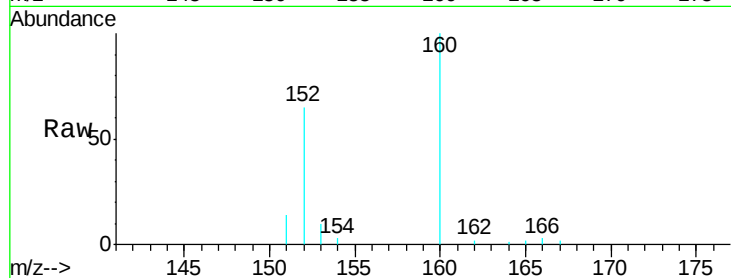
ClientSampleId :

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Tgt Ion:	152	Resp:	4316
Ion Ratio	Lower	Upper	
152	100		
151	21.9	16.2	24.4
153	15.7	11.0	16.4

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#8

Acenaphthene

Concen: 0.080 ng/ul

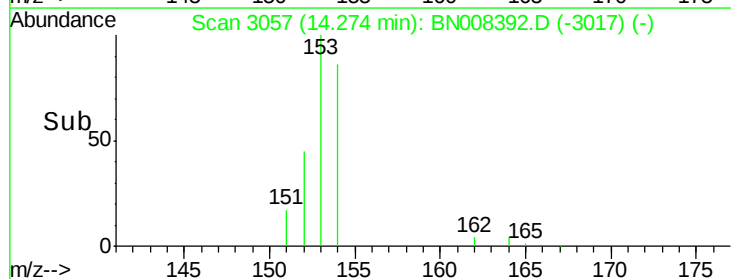
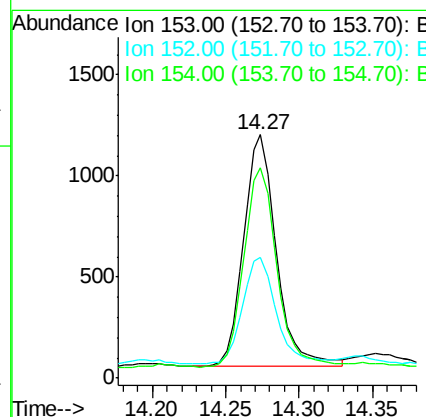
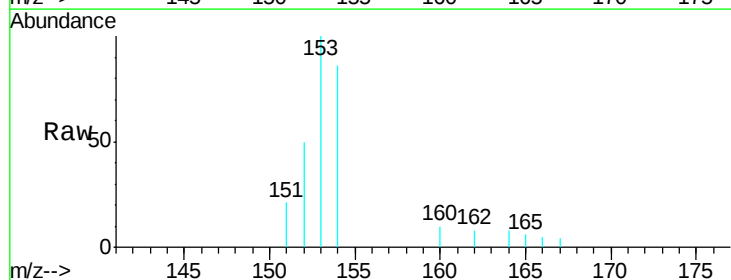
RT: 14.27 min Scan# 3057

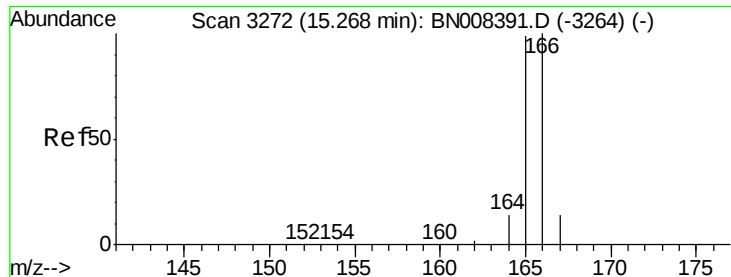
Delta R.T. -0.01 min

Lab File: BN008392.D

Acq: 24 Oct 2019 17:50

Tgt Ion:	153	Resp:	1794
Ion Ratio	Lower	Upper	
153	100		
152	49.7	38.2	57.2
154	86.5	71.8	107.8





#9

Fluorene

Concen: 0.088 ng/ul

RT: 15.26 min Scan# 3271

Delta R.T. -0.02 min

Lab File: BN008392.D

Acq: 24 Oct 2019 17:50

Instrument :

BNA_N

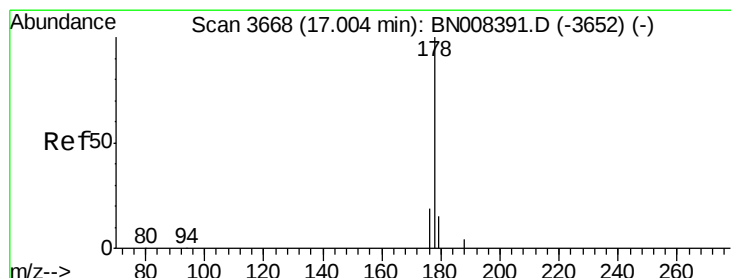
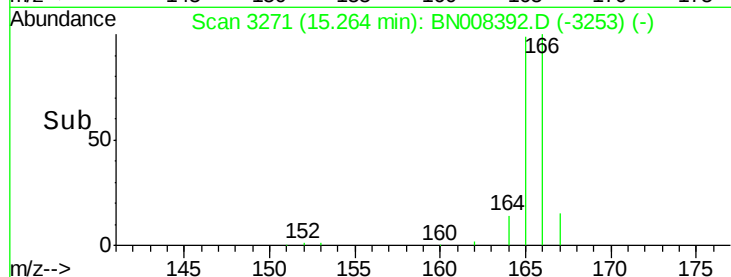
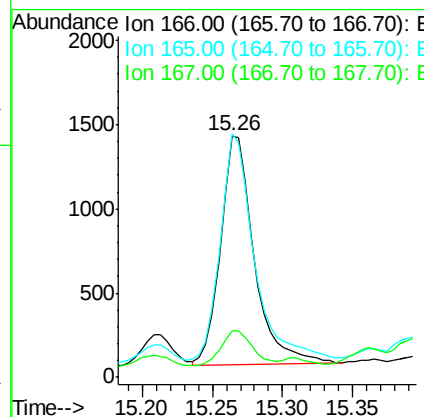
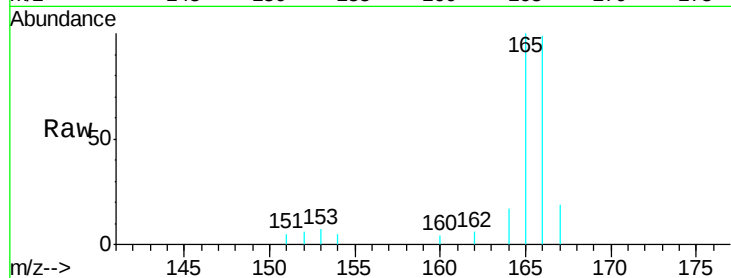
ClientSampleId :

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Tgt Ion:	166	Resp:	2249
Ion Ratio	Lower	Upper	
166	100		
165	100.8	76.6	115.0
167	19.1	11.7	17.5#

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#12

Phenanthrene

Concen: 1.462 ng/ul

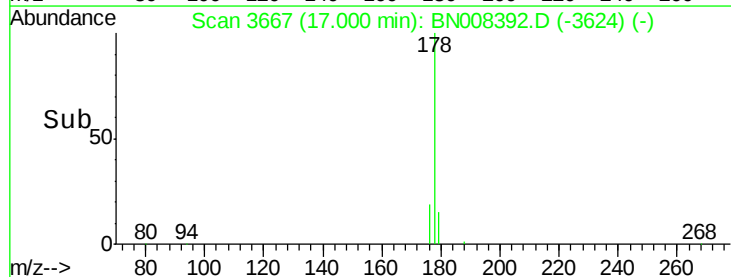
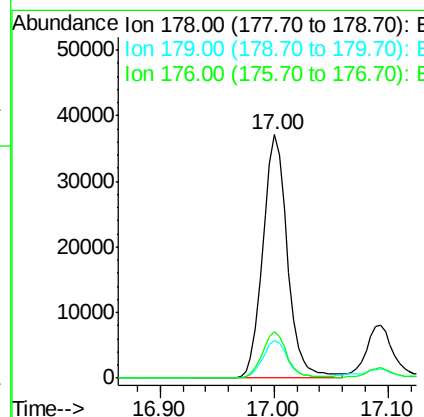
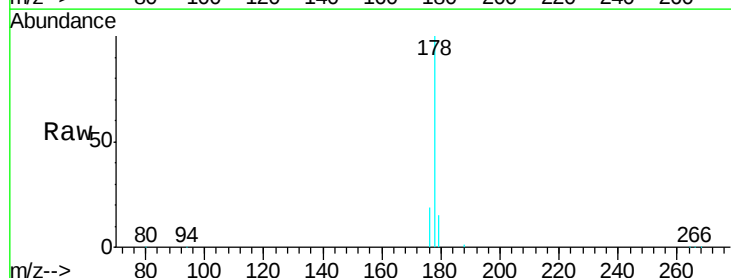
RT: 17.00 min Scan# 3667

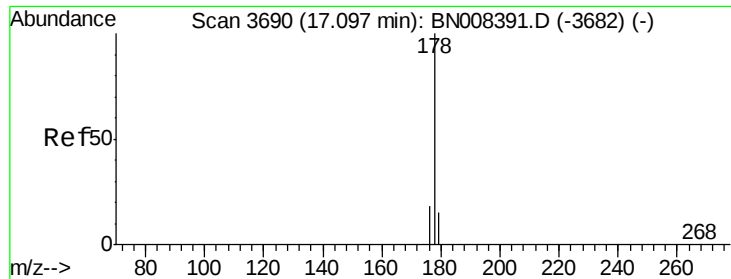
Delta R.T. -0.02 min

Lab File: BN008392.D

Acq: 24 Oct 2019 17:50

Tgt Ion:	178	Resp:	55288
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.8	19.2
176	19.0	15.4	23.2





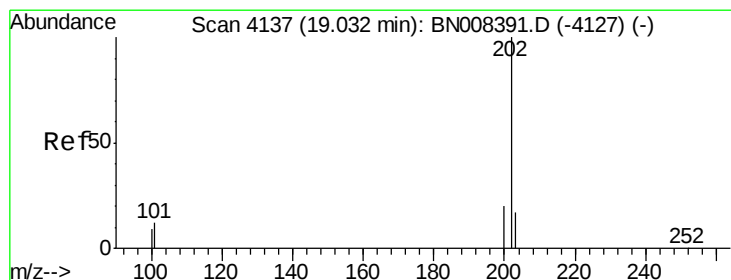
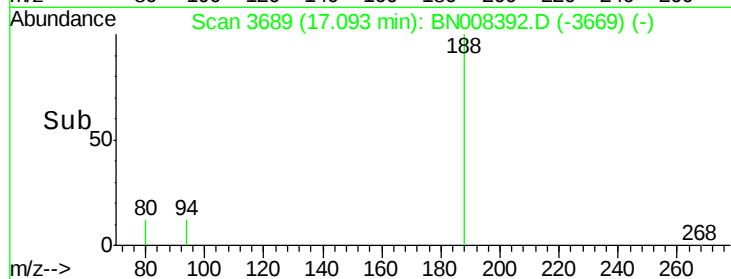
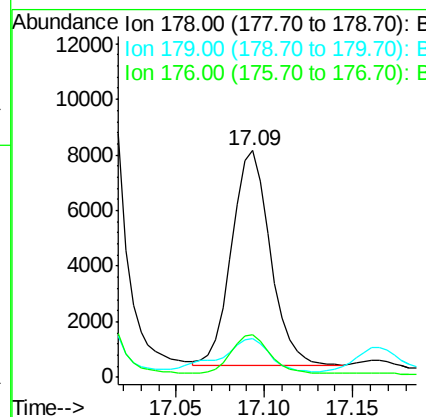
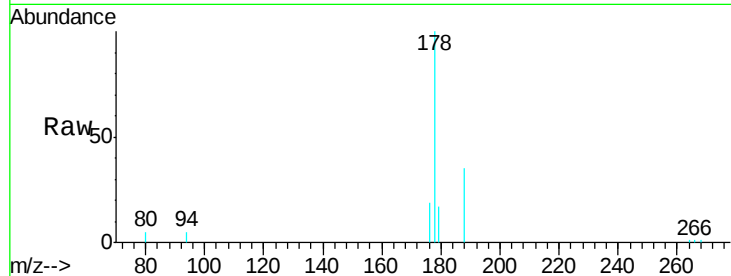
#13
 Anthracene
 Concen: 0.350 ng/ul
 RT: 17.09 min Scan# 3689
 Delta R.T. -0.02 min
 Lab File: BN008392.D
 Acq: 24 Oct 2019 17:50

Instrument :
 BNA_N
 ClientSampleId :
 BEPB6DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.1	13.0	19.6
176	18.9	15.0	22.6

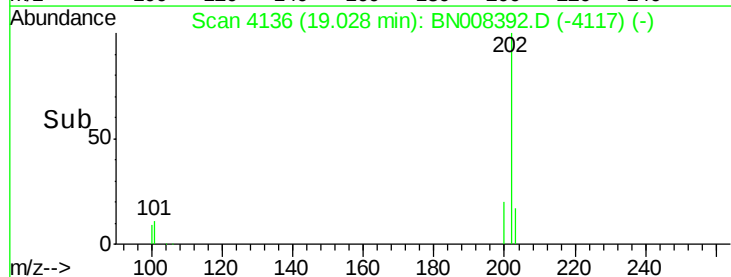
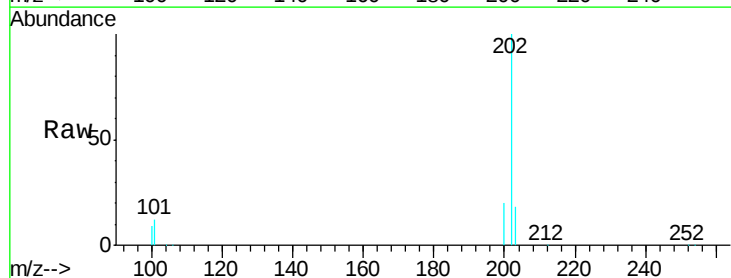
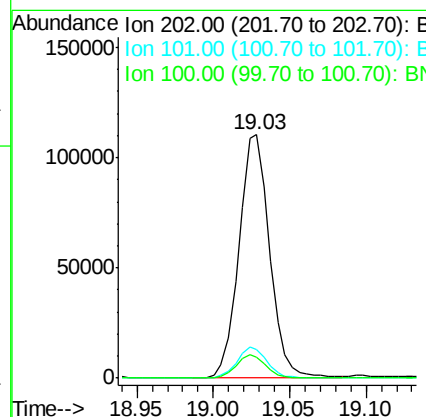
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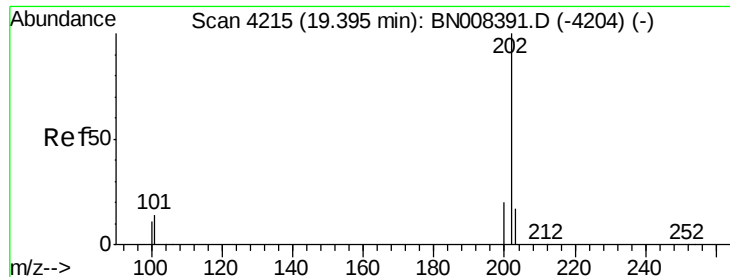
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#15
 Fluoranthene
 Concen: 3.089 ng/ul
 RT: 19.03 min Scan# 4136
 Delta R.T. -0.01 min
 Lab File: BN008392.D
 Acq: 24 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.2
100	8.7	0.0	28.5





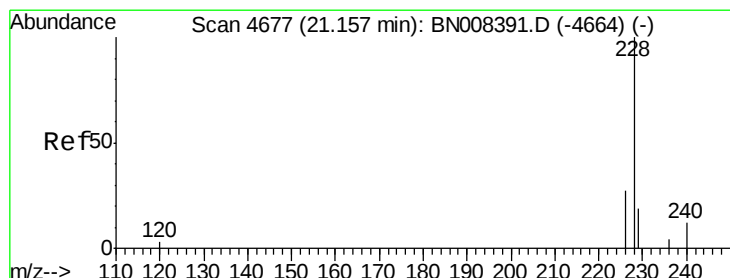
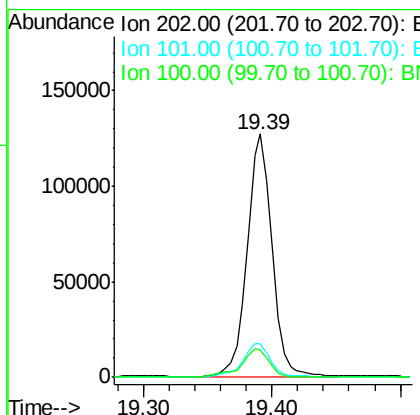
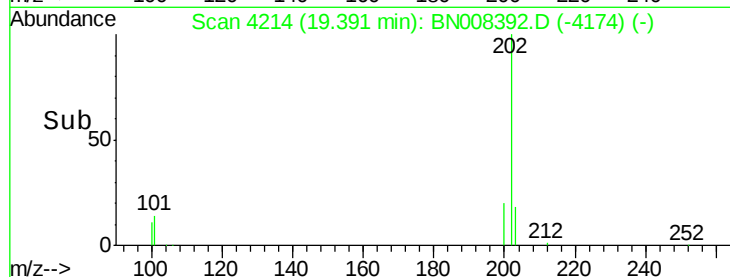
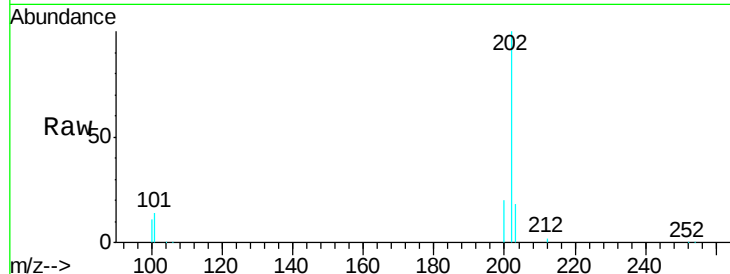
#17
Pyrene
Concen: 3.895 ng/ul
RT: 19.39 min Scan# 4214
Delta R.T. -0.01 min
Lab File: BN008392.D
Acq: 24 Oct 2019 17:50

Instrument :
BNA_N
ClientSampleId :
BEPB6DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.8	10.9	16.3
100	11.2	8.7	13.1

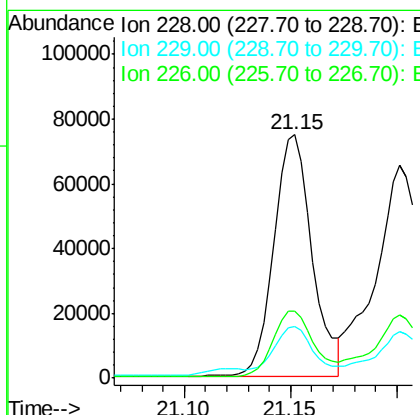
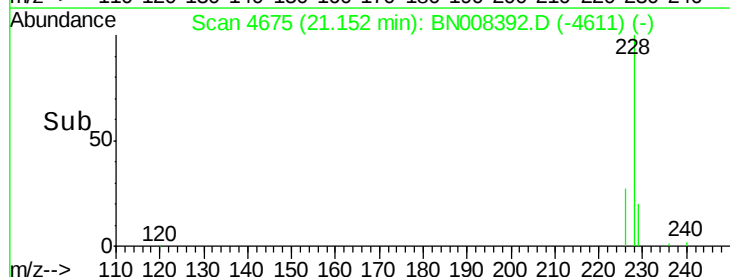
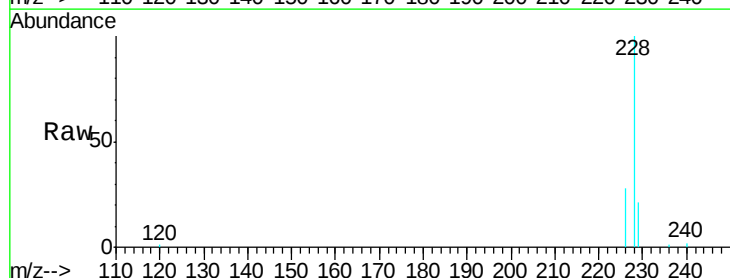
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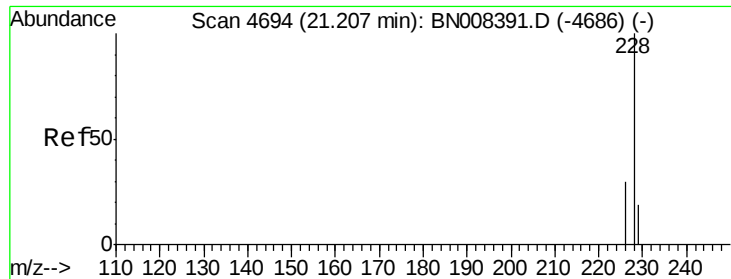
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#18
Benzo(a)anthracene
Concen: 2.324 ng/ul
RT: 21.15 min Scan# 4675
Delta R.T. -0.01 min
Lab File: BN008392.D
Acq: 24 Oct 2019 17:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.2	16.2	24.2
226	27.7	21.4	32.0





#19

Chrysene

Concen: 2.032 ng/ul

RT: 21.20 min Scan# 4692

Delta R.T. -0.01 min

Lab File: BN008392.D

Acq: 24 Oct 2019 17:50

Instrument :

BNA_N

ClientSampleId :

BEPB6DL

Tgt Ion:228 Resp: 99672

Ion Ratio Lower Upper

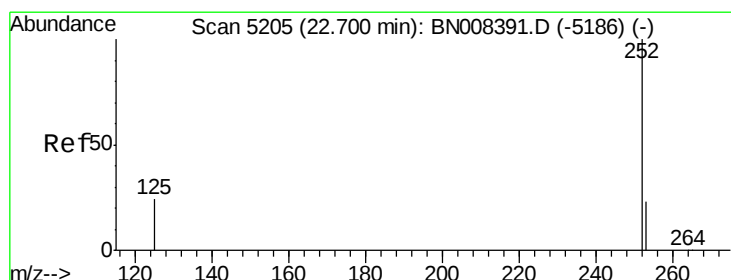
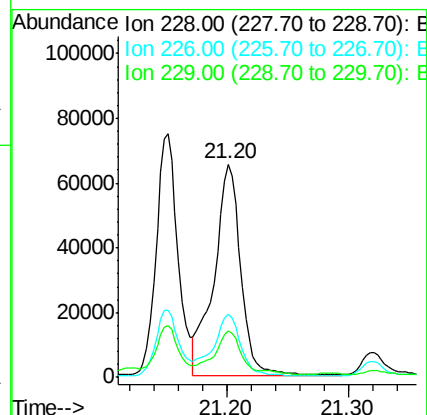
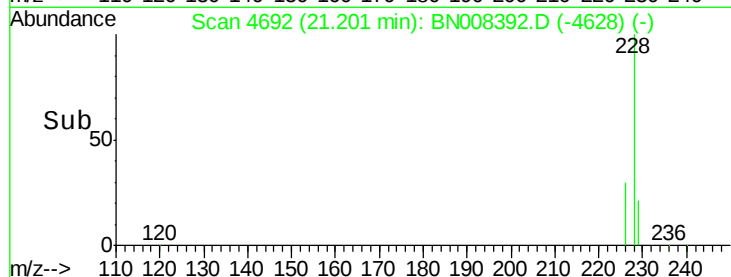
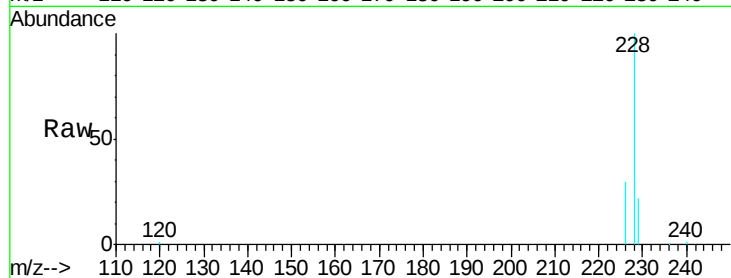
228 100

226 29.9 24.1 36.1

229 21.7 16.2 24.2

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#21

Benzo(b)fluoranthene

Concen: 3.242 ng/ul m

RT: 22.69 min Scan# 5203

Delta R.T. -0.01 min

Lab File: BN008392.D

Acq: 24 Oct 2019 17:50

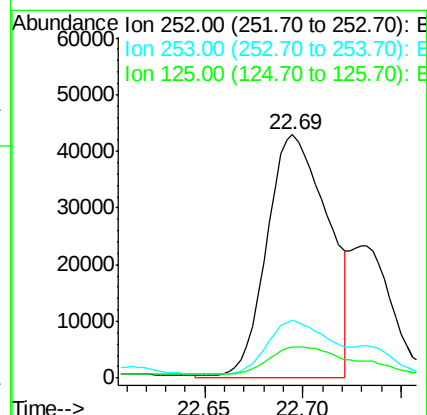
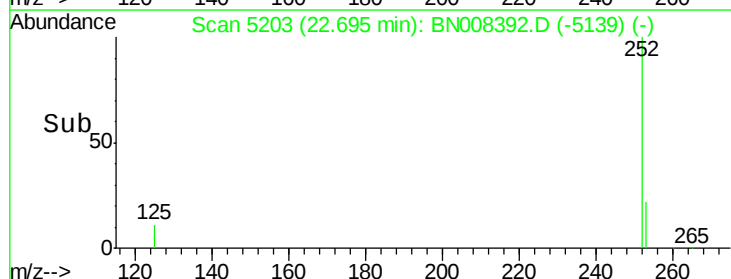
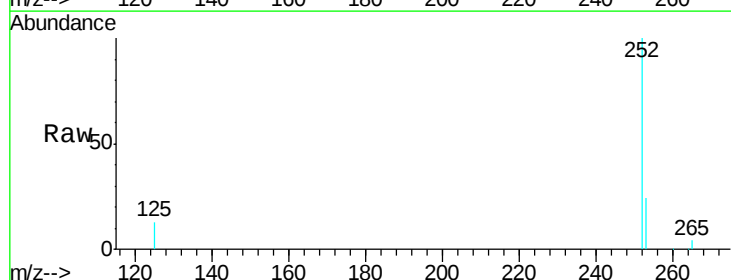
Tgt Ion:252 Resp: 92890

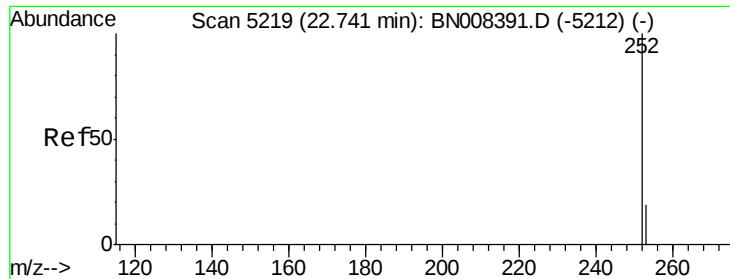
Ion Ratio Lower Upper

252 100

253 23.7 0.0 53.4

125 12.6 0.0 32.4





#22

Benzo(k)fluoranthene

Concen: 1.038 ng/ul m

RT: 22.73 min Scan# 5216

Delta R.T. -0.02 min

Lab File: BN008392.D

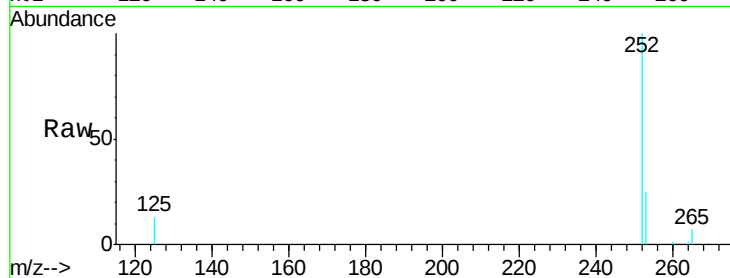
Acq: 24 Oct 2019 17:50

Instrument :

BNA_N

ClientSampleId :

BEPB6DL



Tgt Ion:252 Resp: 33688

Ion Ratio Lower Upper

252 100

253 24.7 21.3 31.9

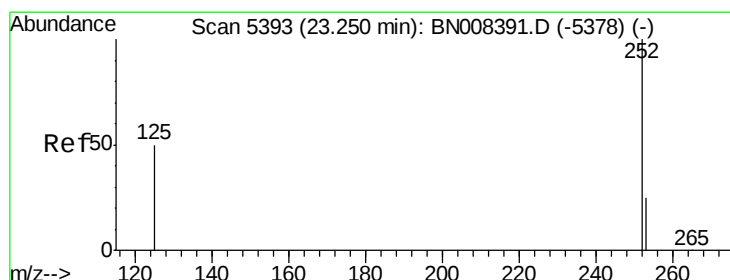
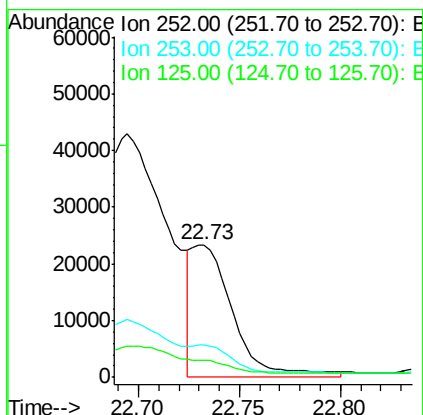
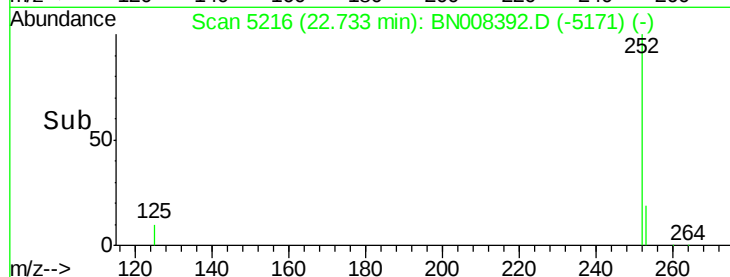
125 12.9 12.3 18.5

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#23

Benzo(a)pyrene

Concen: 2.278 ng/ul

RT: 23.24 min Scan# 5390

Delta R.T. -0.02 min

Lab File: BN008392.D

Acq: 24 Oct 2019 17:50

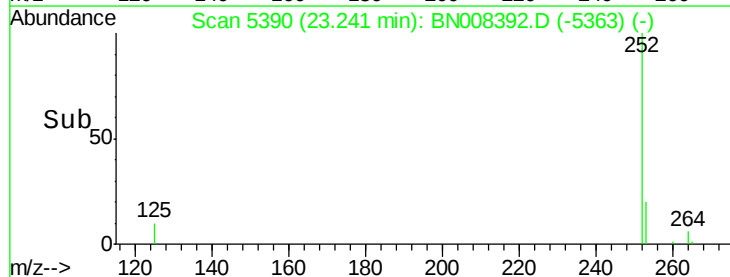
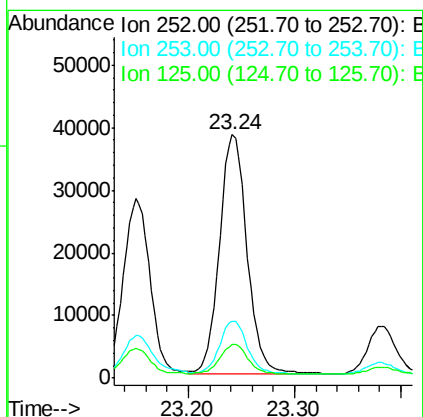
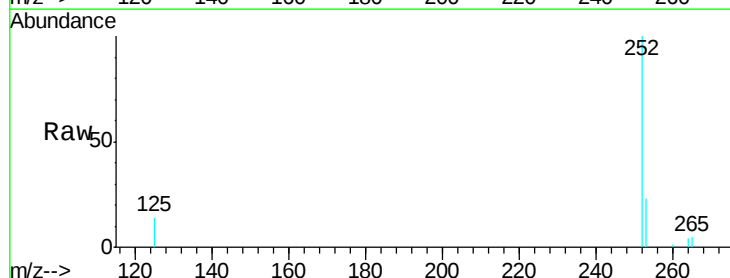
Tgt Ion:252 Resp: 68680

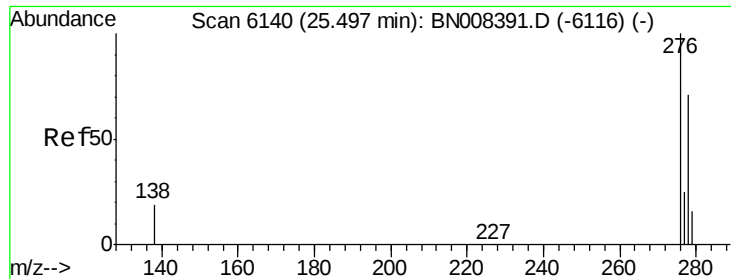
Ion Ratio Lower Upper

252 100

253 23.4 22.8 34.2

125 13.7 18.4 27.6#





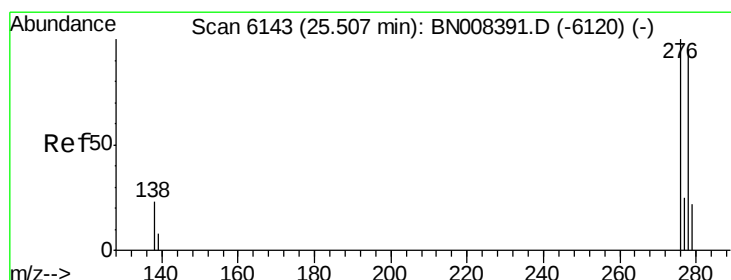
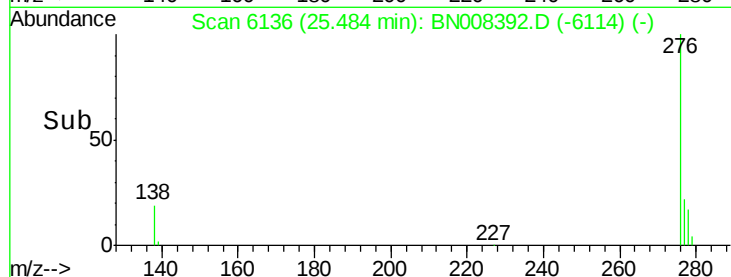
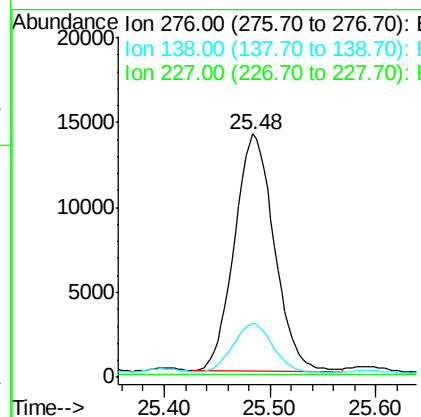
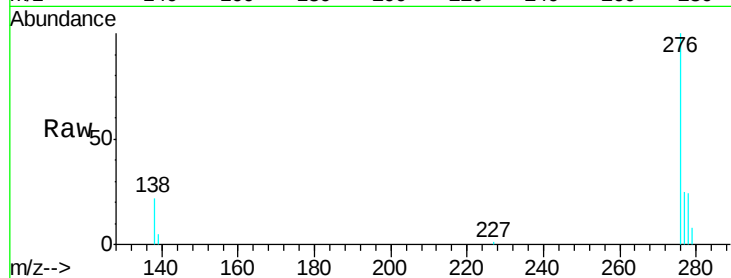
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.031 ng/u1
 RT: 25.48 min Scan# 6136
 Delta R.T. -0.03 min
 Lab File: BN008392.D
 Acq: 24 Oct 2019 17:50

Instrument :
 BNA_N
 ClientSampleId :
 BEPB6DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	36604		
138	21.0	16.1	24.1	
227	0.3	0.2	0.2	

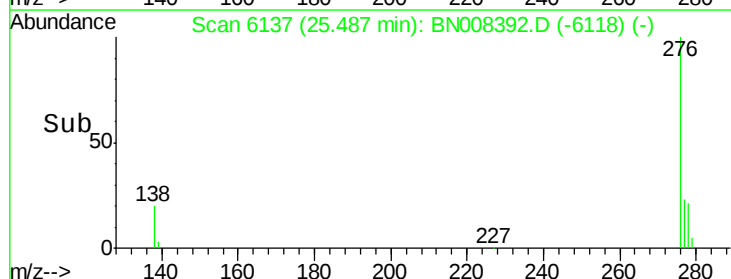
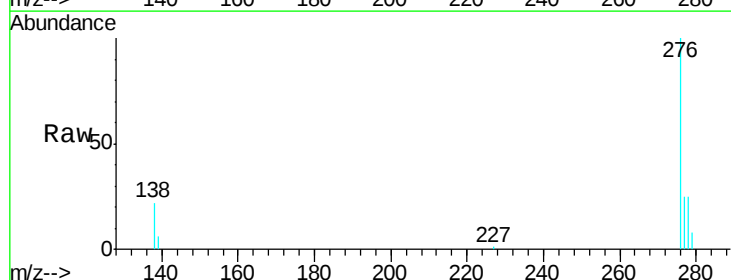
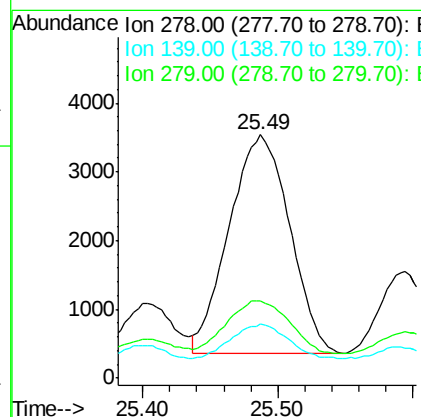
Manual Integrations
 APPROVED

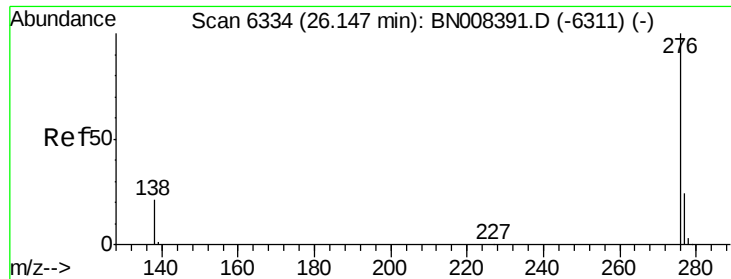
mohammad
 10/25/2019 8:05:49 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.354 ng/u1
 RT: 25.49 min Scan# 6137
 Delta R.T. -0.04 min
 Lab File: BN008392.D
 Acq: 24 Oct 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	9926		
139	22.0	15.0	22.6	
279	31.7	22.4	33.6	





#26

Benzo(g,h,i)perylene

Concen: 1.167 ng/ul

RT: 26.14 min Scan# 6332

Delta R.T. -0.03 min

Lab File: BN008392.D

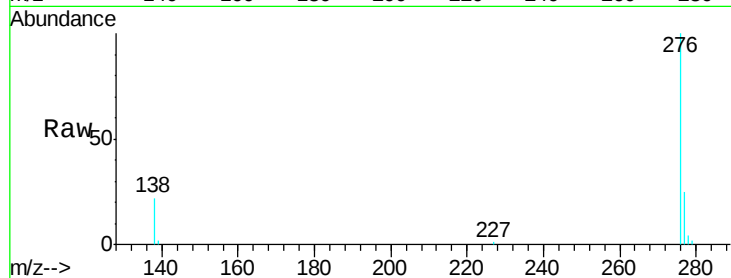
Acq: 24 Oct 2019 17:50

Instrument :

BNA_N

ClientSampleId :

BEPB6DL



Tgt Ion:	276	Resp:	37998
Ion Ratio	Lower	Upper	
276	100		
138	21.9	17.0	25.4
277	24.7	20.4	30.6

Manual Integrations
APPROVED

mohammad
10/25/2019 8:05:49 AM

