

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102219\
 Data File : BN008359.D
 Acq On : 23 Oct 2019 20:55
 Operator : JU
 Sample : K5223-17DL 2X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPA5DL

Manual Integrations
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mohammad
 10/24/2019 8:06:57 AM

Quant Time: Oct 24 02:03:02 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	2080	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.34	136	10028	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	6359	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	13781	0.40	ng/ul	-0.01
16) Chrysene-d12	21.17	240	11905	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	10063	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	1779	0.11	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	5239	0.11	ng/ul	-0.01
Target Compounds				Qvalue		
3) Naphthalene	10.39	128	640	0.022	ng/ul#	73
7) Acenaphthylene	13.93	152	936	0.031	ng/ul#	83
8) Acenaphthene	14.27	153	744	0.032	ng/ul	94
9) Fluorene	15.27	166	799	0.030	ng/ul#	95
12) Phenanthrene	17.00	178	15494	0.384	ng/ul	100
13) Anthracene	17.09	178	3001	0.085	ng/ul#	94
15) Fluoranthene	19.03	202	35733	0.671	ng/ul	96
17) Pyrene	19.40	202	41901	0.884	ng/ul	99
18) Benzo(a)anthracene	21.15	228	20591	0.476	ng/ul	97
19) Chrysene	21.21	228	23611	0.445	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	21588m	0.659	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	8172m	0.220	ng/ul	
23) Benzo(a)pyrene	23.25	252	16156	0.469	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.49	276	8638	0.213	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.49	278	2100	0.065	ng/ul#	71
26) Benzo(g,h,i)perylene	26.14	276	6957	0.187	ng/ul#	94

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

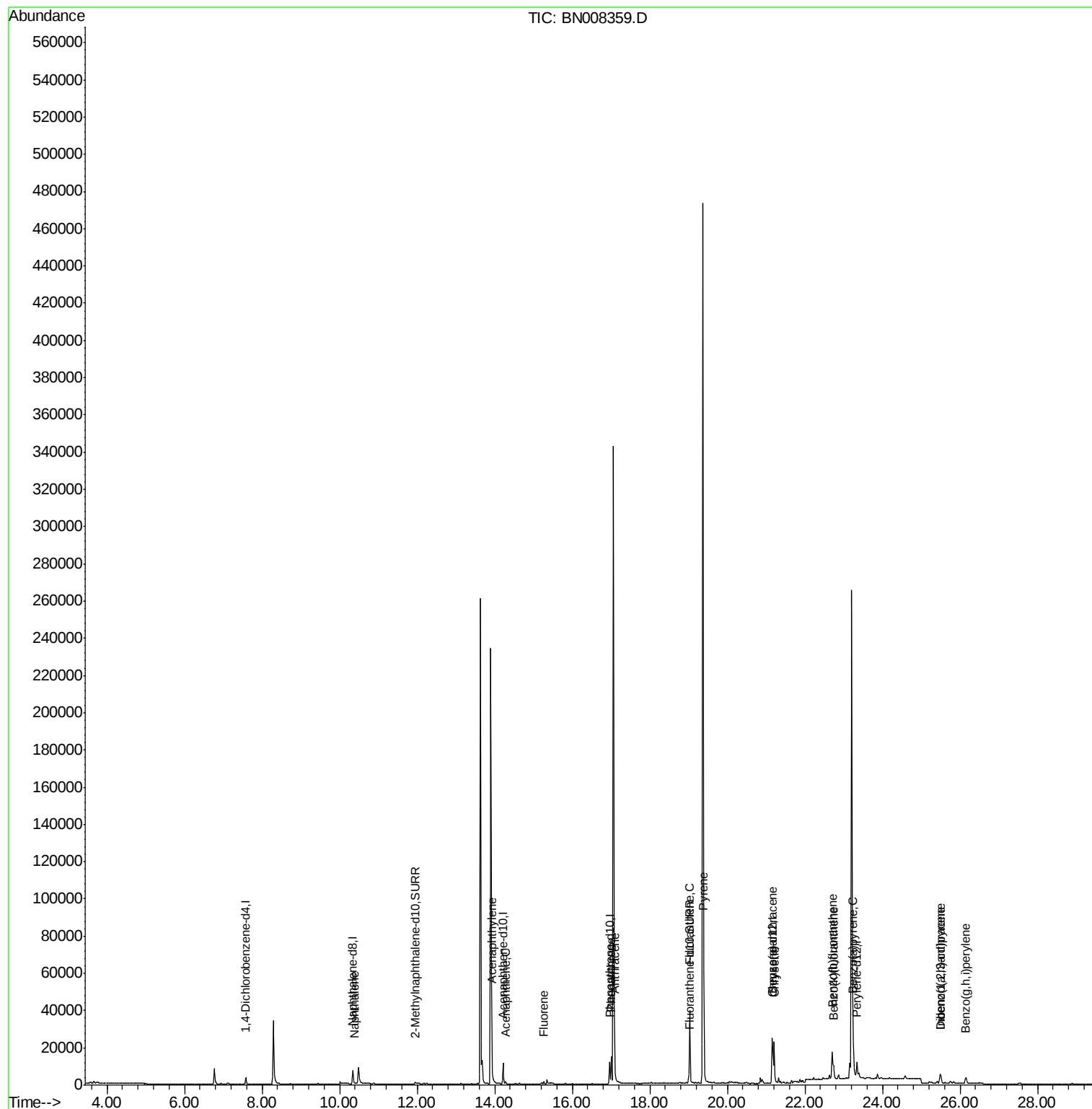
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102219\
Data File : BN008359.D
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Misc :
ALS Vial : 52 Sample Multiplier: 1

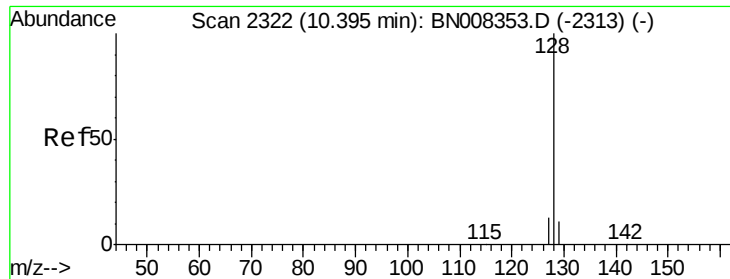
Instrument :
BNA_N
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BEPASDL

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Quant Time: Oct 24 02:03:02 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





#3

Naphthalene

Concen: 0.022 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Instrument :

BNA_N

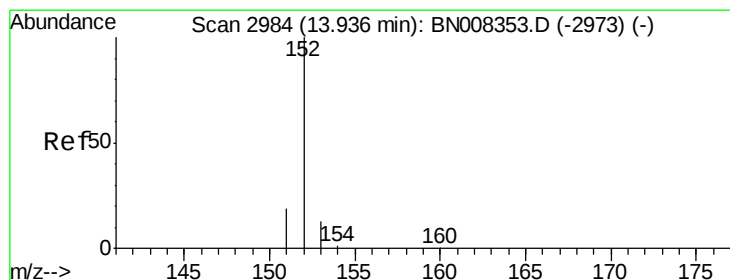
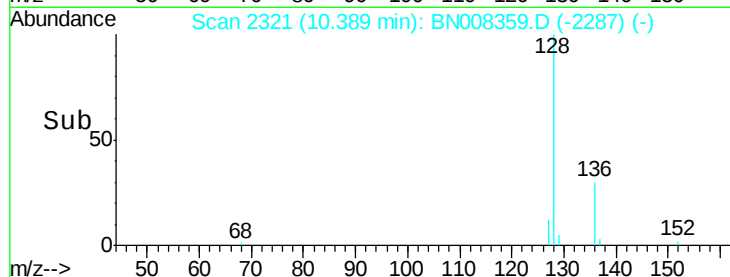
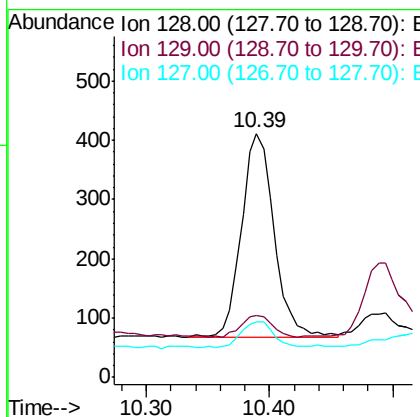
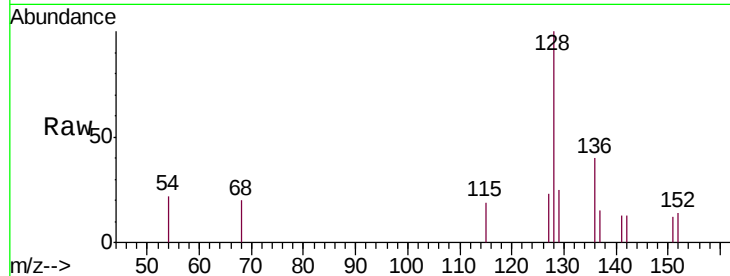
ClientSampled :

BEPA5DL

Tgt Ion:	128	Resp:	640
Ion Ratio	Lower	Upper	
128	100		
129	25.3	9.8	14.8#
127	22.9	11.1	16.7#

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#7

Acenaphthylene

Concen: 0.031 ng/ul

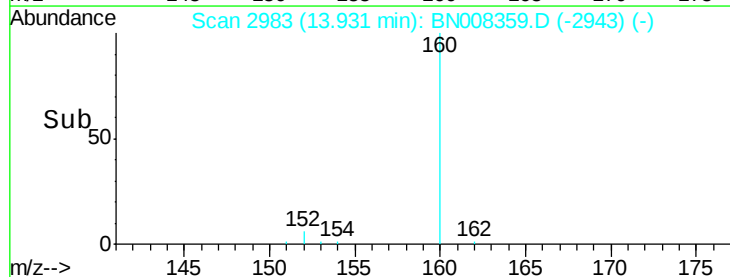
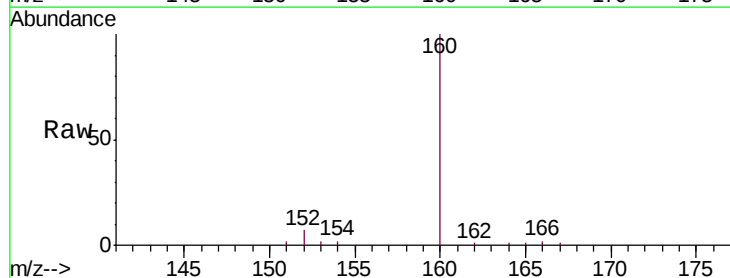
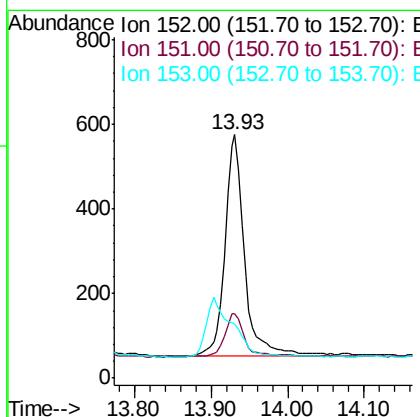
RT: 13.93 min Scan# 2983

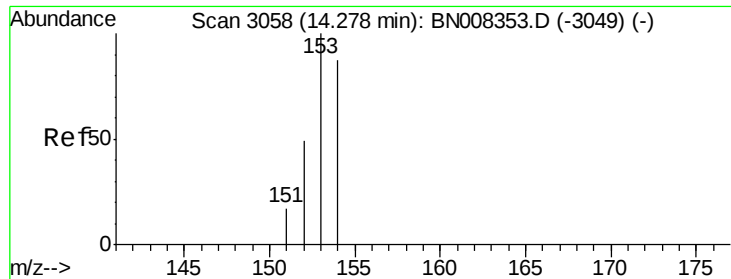
Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Tgt Ion:	152	Resp:	936
Ion Ratio	Lower	Upper	
152	100		
151	26.6	16.2	24.4#
153	22.4	11.0	16.4#





#8

Acenaphthene

Concen: 0.032 ng/ul

RT: 14.27 min Scan# 3057

Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Instrument :

BNA_N

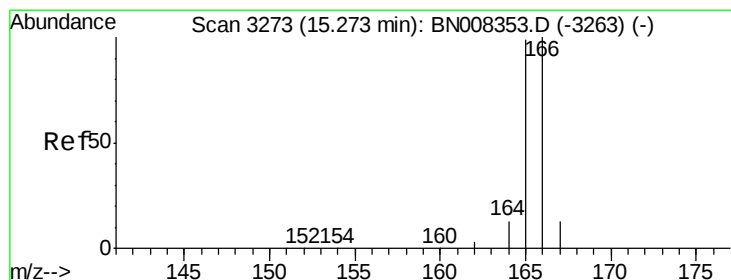
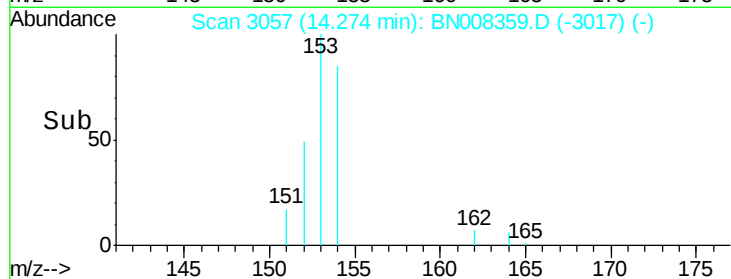
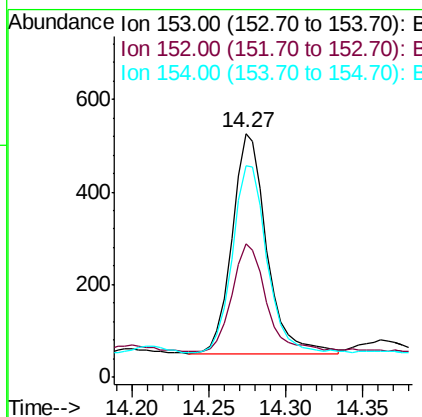
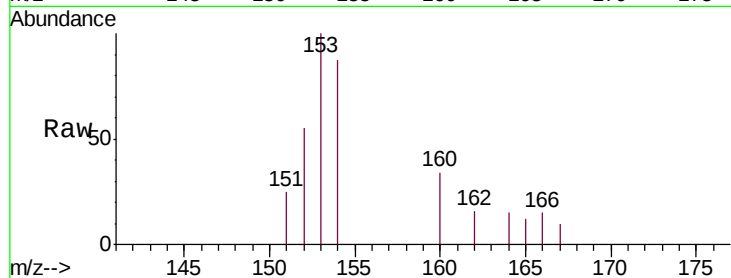
ClientSampleId :

BEPASDL

Tgt Ion:	153	Resp:	744
Ion	Ratio	Lower	Upper
153	100		
152	54.9	38.2	57.2
154	86.9	71.8	107.8

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#9

Fluorene

Concen: 0.030 ng/ul

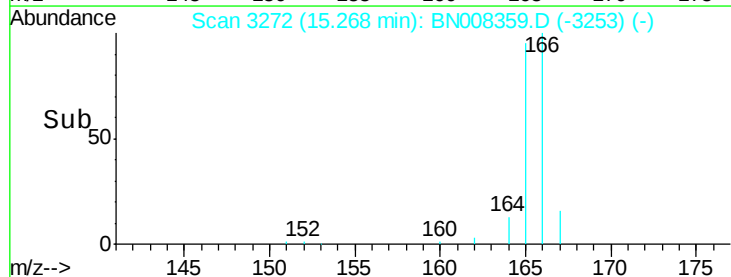
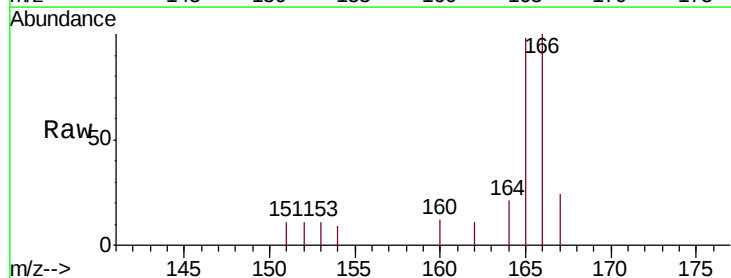
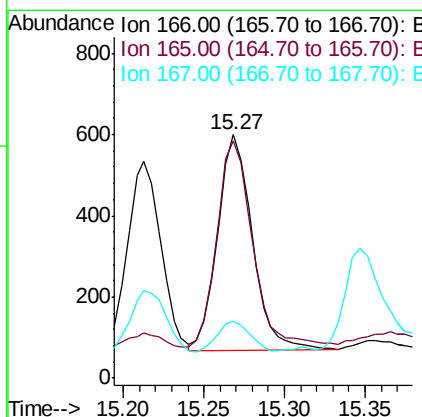
RT: 15.27 min Scan# 3272

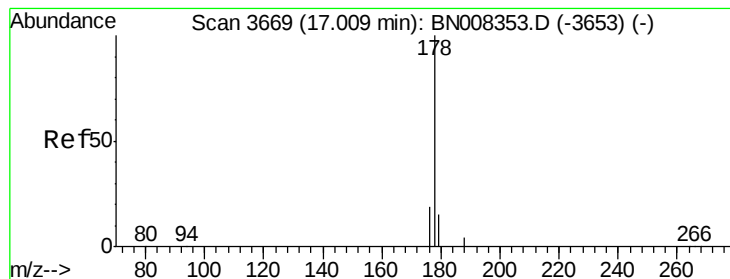
Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Tgt Ion:	166	Resp:	799
Ion	Ratio	Lower	Upper
166	100		
165	97.7	76.6	115.0
167	23.5	11.7	17.5





#12

Phenanthrene

Concen: 0.384 ng/ul

RT: 17.00 min Scan# 3668

Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Instrument :

BNA_N

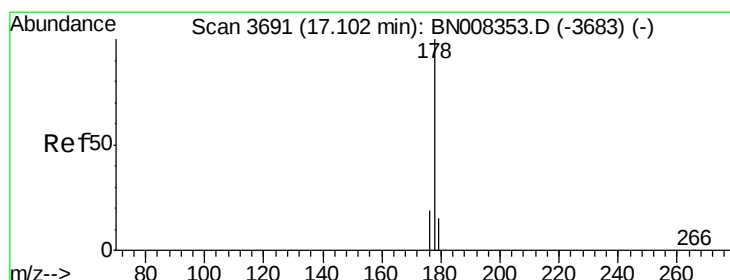
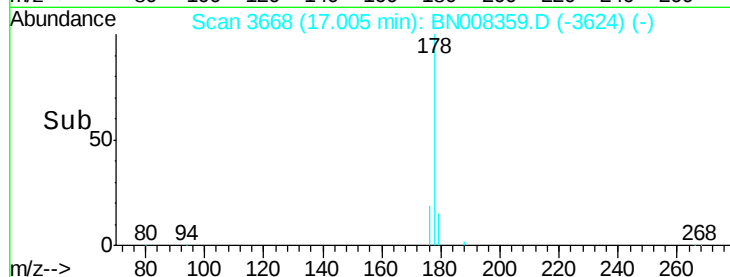
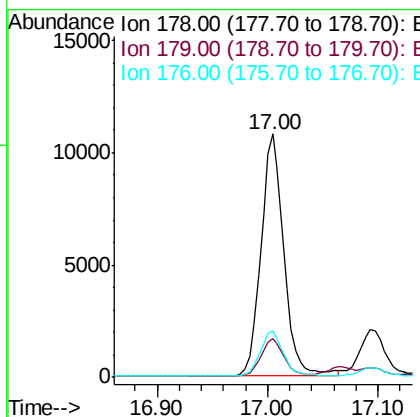
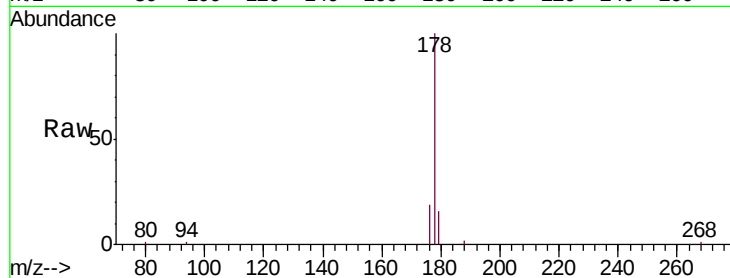
ClientSampleId :

BEPA5DL

Tgt Ion:	178	Resp:	15494
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.8	19.2
176	19.0	15.4	23.2

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#13

Anthracene

Concen: 0.085 ng/ul

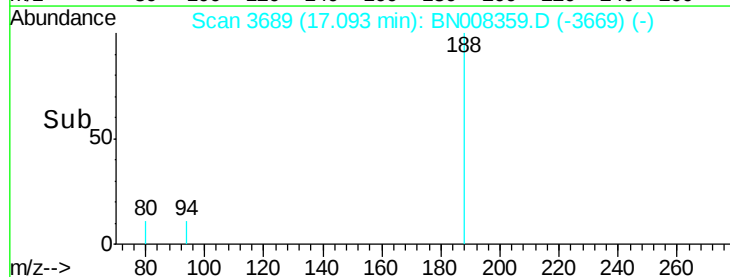
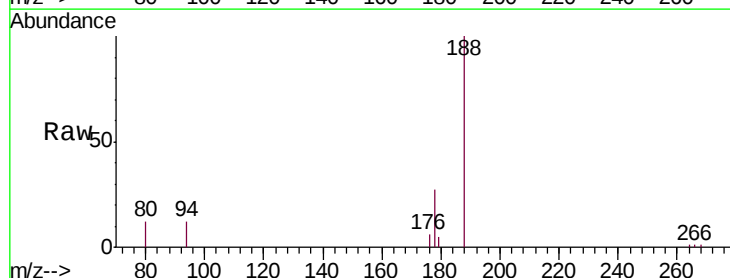
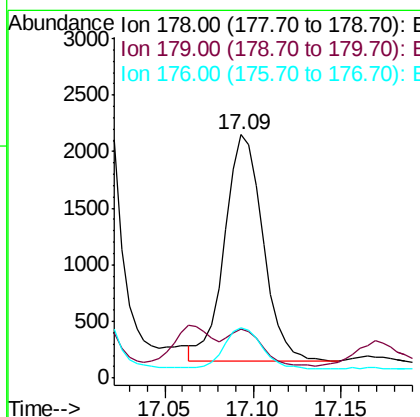
RT: 17.09 min Scan# 3689

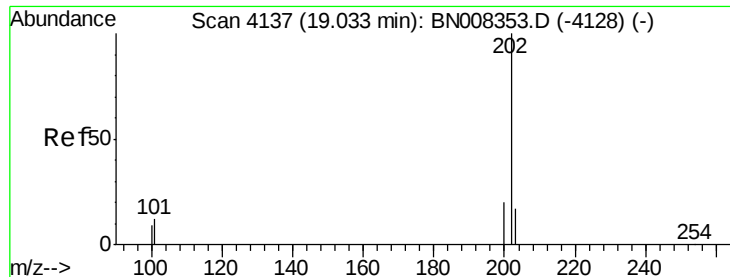
Delta R.T. -0.02 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Tgt Ion:	178	Resp:	3001
Ion Ratio	Lower	Upper	
178	100		
179	19.9	13.0	19.6#
176	20.7	15.0	22.6





#15

Fluoranthene

Concen: 0.671 ng/ul

RT: 19.03 min Scan# 4136

Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Instrument :

BNA_N

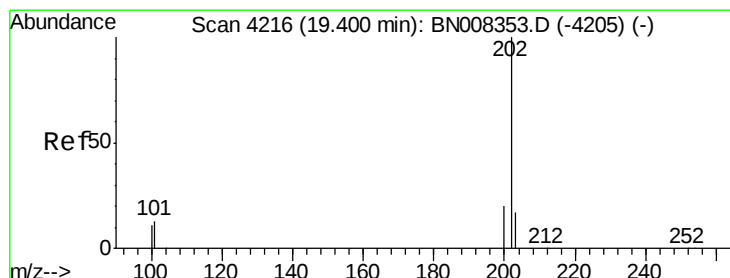
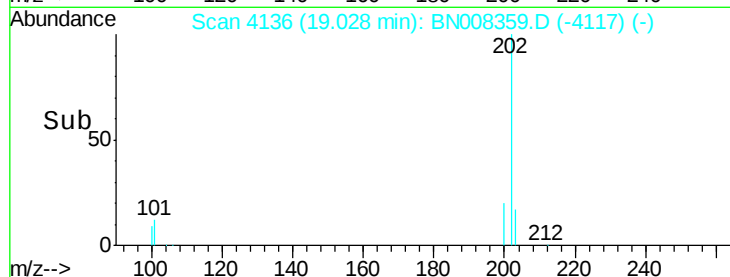
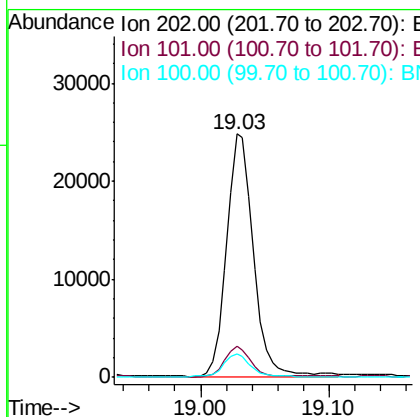
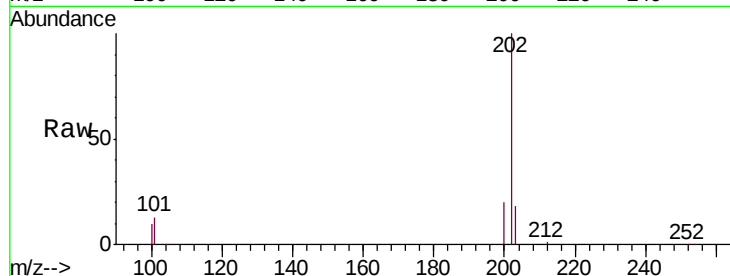
ClientSampleId :

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Tgt Ion:	202	Resp:	35733
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	31.2
100	9.7	0.0	28.5

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#17

Pyrene

Concen: 0.884 ng/ul

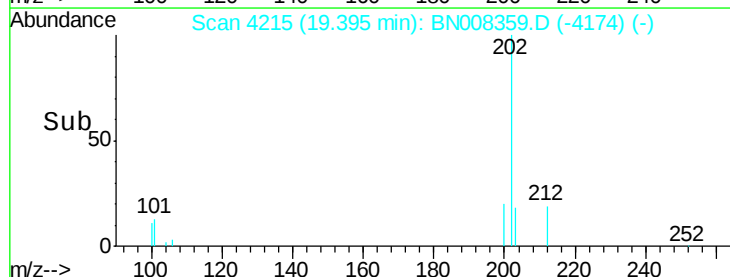
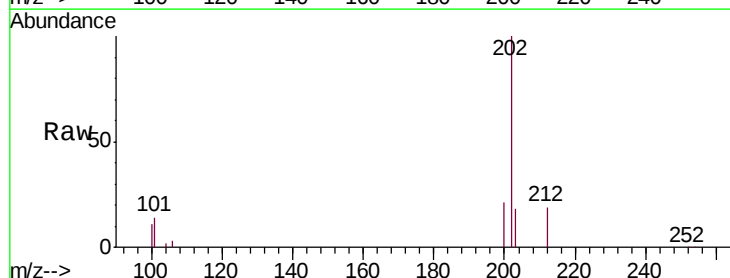
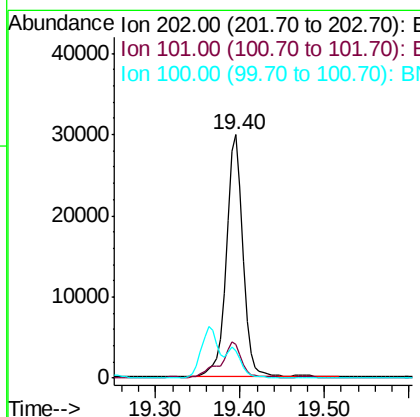
RT: 19.40 min Scan# 4215

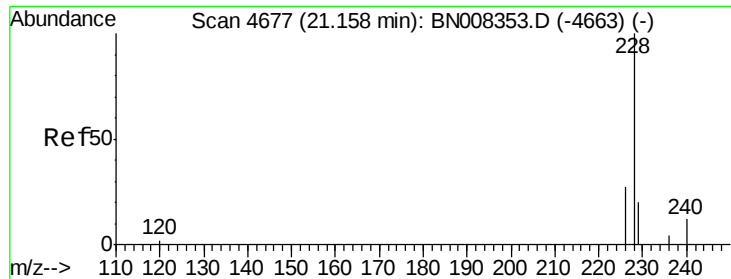
Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Tgt Ion:	202	Resp:	41901
Ion Ratio	Lower	Upper	
202	100		
101	13.8	10.9	16.3
100	11.4	8.7	13.1





#18

Benzo(a)anthracene

Concen: 0.476 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.01 min

Lab File: BN008359.D

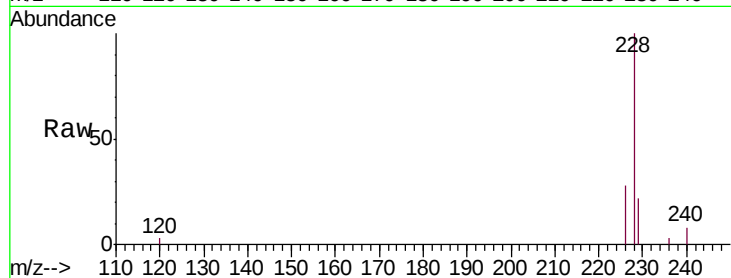
Acq: 23 Oct 2019 20:55

Instrument :

BNA_N

ClientSampleId :

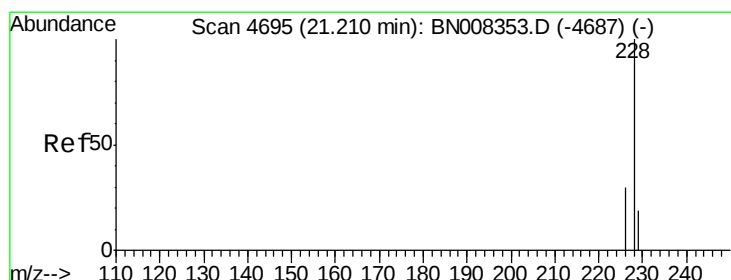
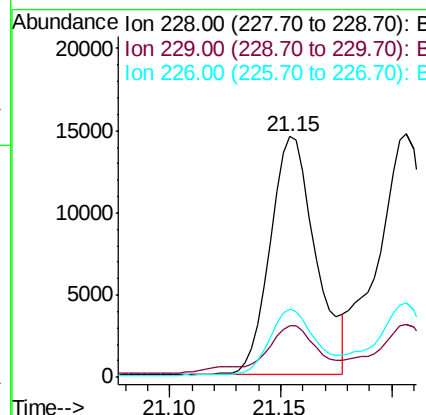
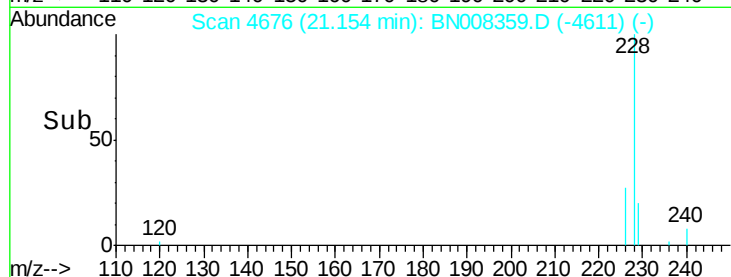
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Tgt Ion:	228	Resp:	20591
Ion Ratio	Lower	Upper	
228	100		
229	21.5	16.2	24.2
226	28.3	21.4	32.0

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#19

Chrysene

Concen: 0.445 ng/ul

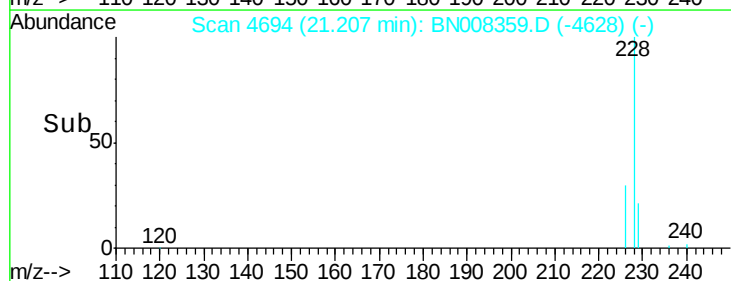
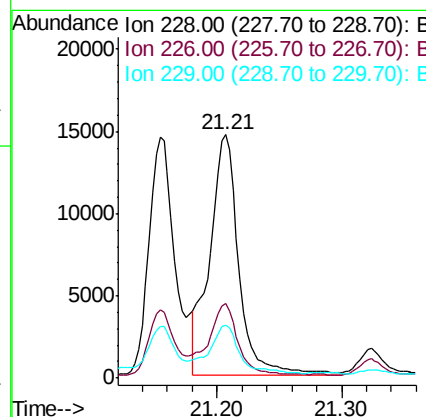
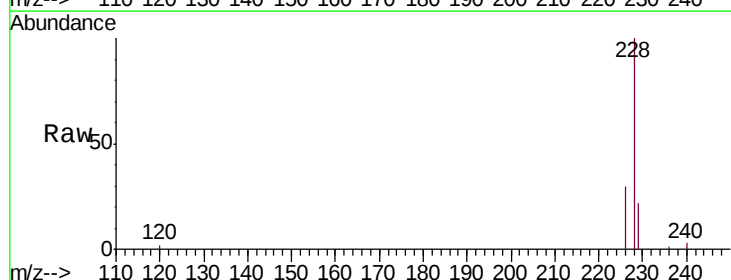
RT: 21.21 min Scan# 4694

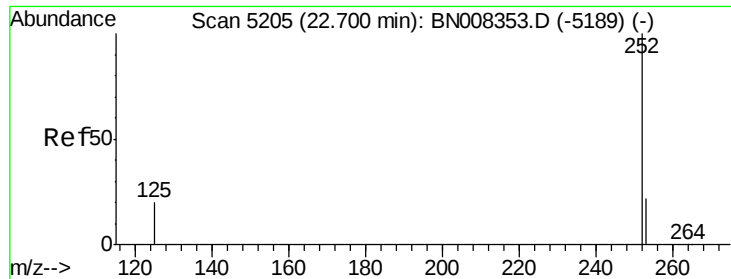
Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Tgt Ion:	228	Resp:	23611
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.1	36.1
229	21.7	16.2	24.2





#21

Benzo(b)fluoranthene

Concen: 0.659 ng/ul m

RT: 22.70 min Scan# 5205

Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Instrument :

BNA_N

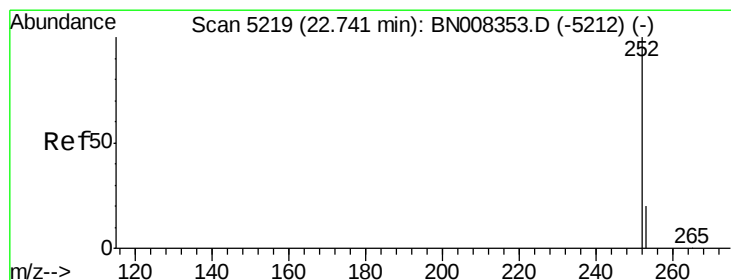
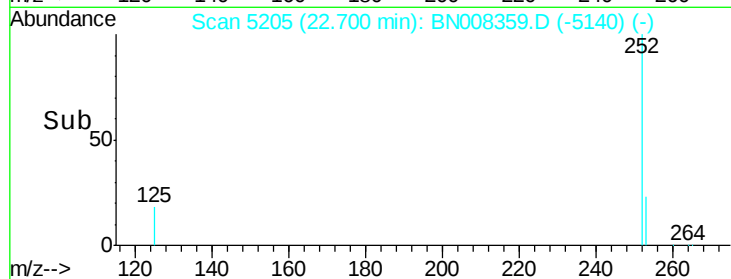
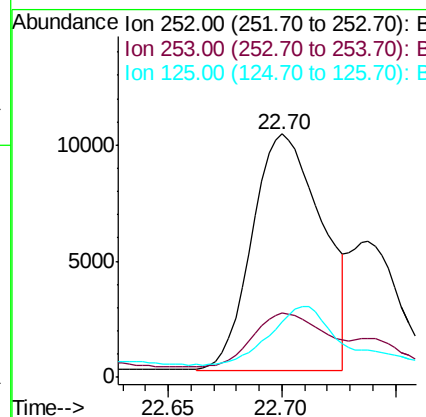
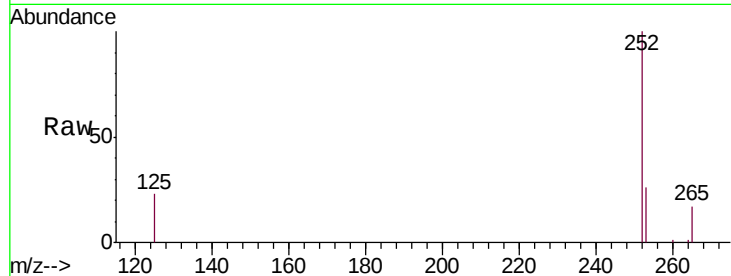
ClientSampleId :

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Tgt Ion:	252	Resp:	21588
Ion Ratio	Lower	Upper	
252	100		
253	26.4	0.0	53.4
125	22.9	0.0	32.4

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#22

Benzo(k)fluoranthene

Concen: 0.220 ng/ul m

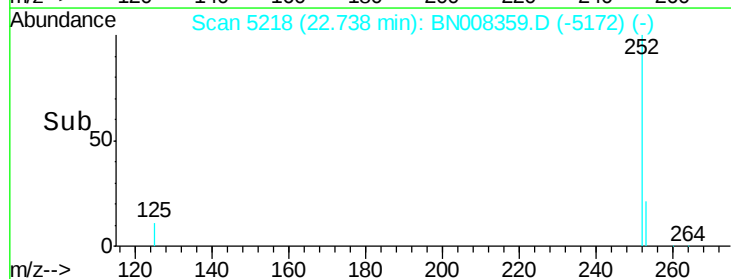
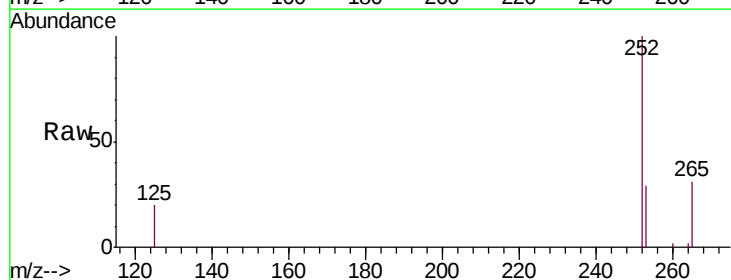
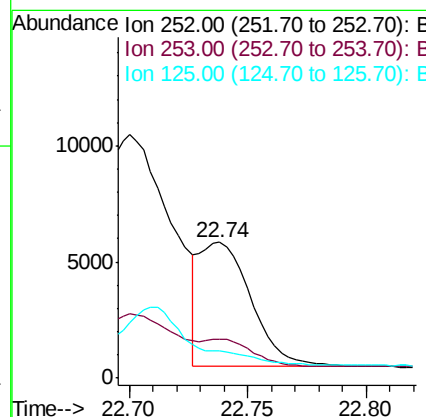
RT: 22.74 min Scan# 5218

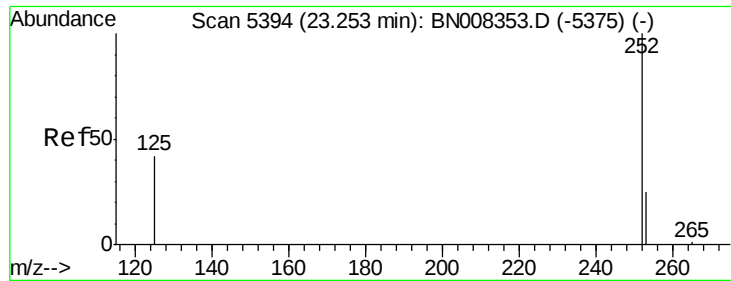
Delta R.T. -0.01 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Tgt Ion:	252	Resp:	8172
Ion Ratio	Lower	Upper	
252	100		
253	28.9	21.3	31.9
125	19.8	12.3	18.5#





#23

Benzo(a)pyrene

Concen: 0.469 ng/u1

RT: 23.25 min Scan# 5392

Delta R.T. -0.01 min

Lab File: BN008359.D

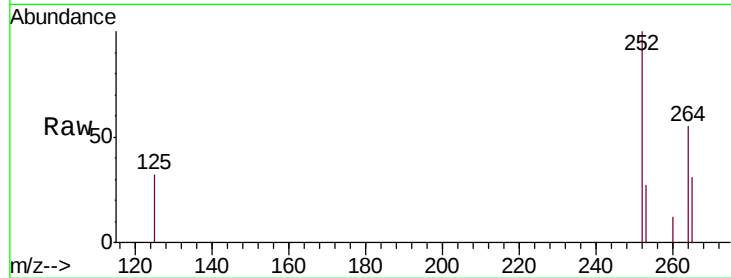
Acq: 23 Oct 2019 20:55

Instrument :

BNA_N

ClientSampleId :

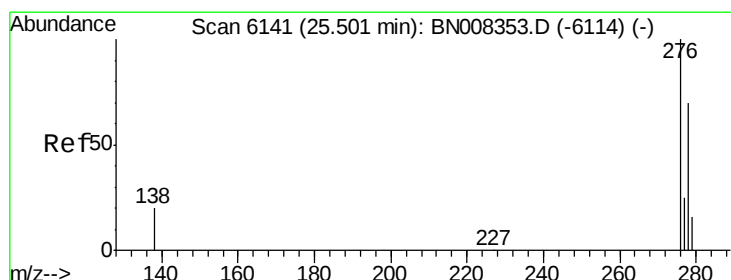
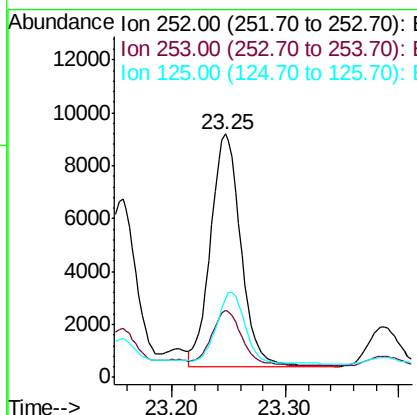
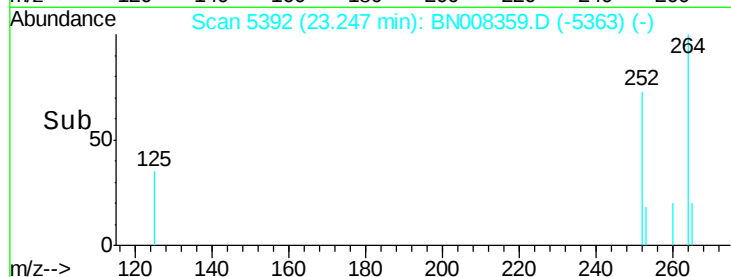
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Tgt Ion:	252	Resp:	16156
Ion Ratio	Lower	Upper	
252	100		
253	27.3	22.8	34.2
125	32.2	18.4	27.6#

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.213 ng/u1

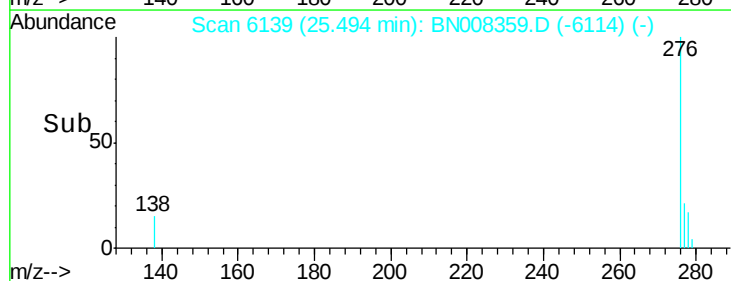
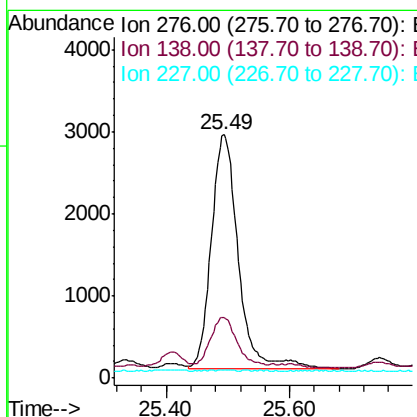
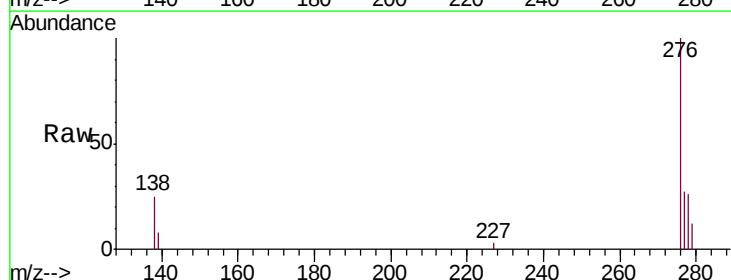
RT: 25.49 min Scan# 6139

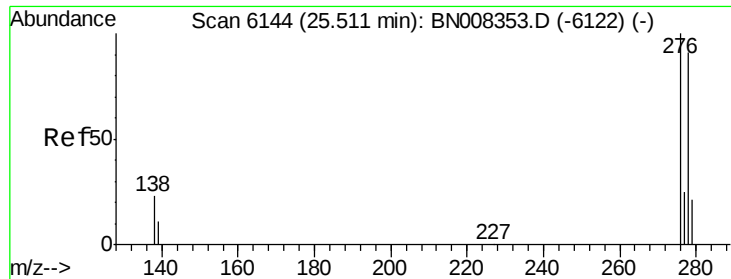
Delta R.T. -0.02 min

Lab File: BN008359.D

Acq: 23 Oct 2019 20:55

Tgt Ion:	276	Resp:	8638
Ion Ratio	Lower	Upper	
276	100		
138	23.9	16.1	24.1
227	0.0	0.2	0.2#





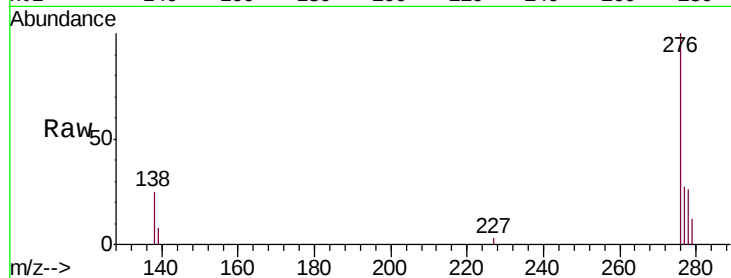
#25
Dibenzo(a,h)anthracene
Concen: 0.065 ng/u1
RT: 25.49 min Scan# 6139
Delta R.T. -0.03 min
Lab File: BN008359.D
Acq: 23 Oct 2019 20:55

Instrument :
BNA_N
ClientSampleId :
BEPASDL

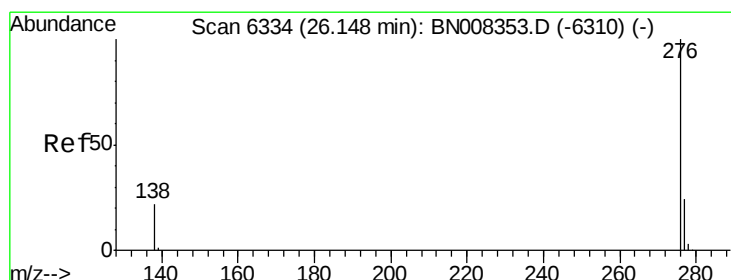
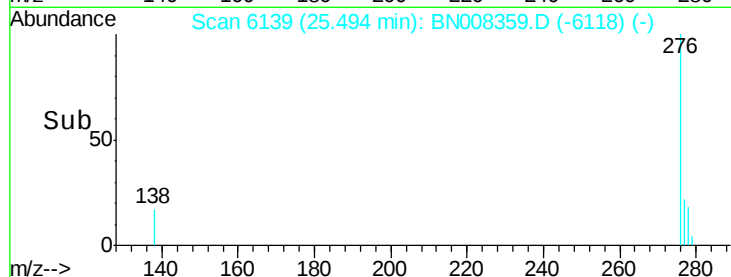
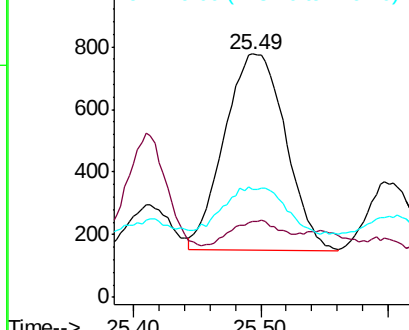
Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.1	15.0	22.6#
279	44.1	22.4	33.6#

Manual Integrations
APPROVED

mohammad
10/24/2019 8:06:57 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.187 ng/u1
RT: 26.14 min Scan# 6333
Delta R.T. -0.02 min
Lab File: BN008359.D
Acq: 23 Oct 2019 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	17.0	25.4#
277	27.0	20.4	30.6

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

