

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008312.D
 Acq On : 22 Oct 2019 13:02
 Operator : JU
 Sample : K5199-05DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP72DL

Manual Integrations
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Quant Time: Oct 22 13:56:02 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 : Tue Oct 22 13:04:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	2058	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	9971	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	6376	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	13996	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	12656	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	12051	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	923	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	2963	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	3081	0.109	ng/ul#	95
5) 2-Methylnaphthalene	12.02	142	1991	0.102	ng/ul	99
7) Acenaphthylene	13.94	152	8376	0.276	ng/ul	98
8) Acenaphthene	14.28	153	6485	0.275	ng/ul	98
9) Fluorene	15.27	166	7093	0.264	ng/ul	96
12) Phenanthrene	17.01	178	161196	3.934	ng/ul	99
13) Anthracene	17.10	178	30575	0.848	ng/ul	99
15) Fluoranthene	19.04	202	377007	6.966	ng/ul	99
17) Pyrene	19.40	202	398379	7.906	ng/ul	98
18) Benzo(a)anthracene	21.16	228	216311	4.701	ng/ul	98
19) Chrysene	21.21	228	237153	4.200	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	250147m	6.376	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	92911m	2.091	ng/ul	
23) Benzo(a)pyrene	23.26	252	178943	4.335	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.50	276	98918	2.034	ng/ul	99
25) Dibenzo(a,h)anthracene	25.51	278	26771	0.697	ng/ul	98
26) Benzo(a,h,i)perylene	26.16	276	97789	2.193	ng/ul	98

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

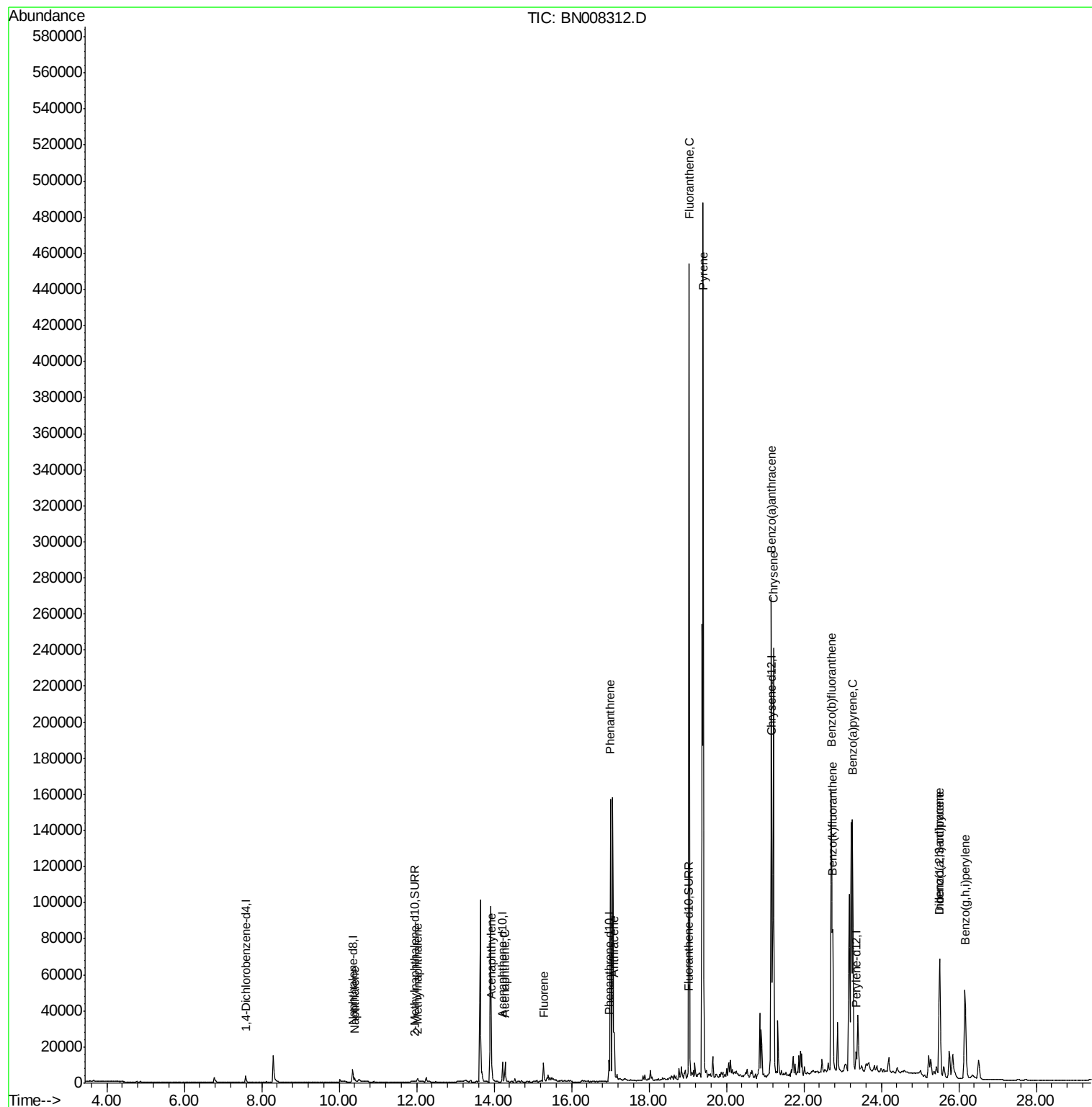
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

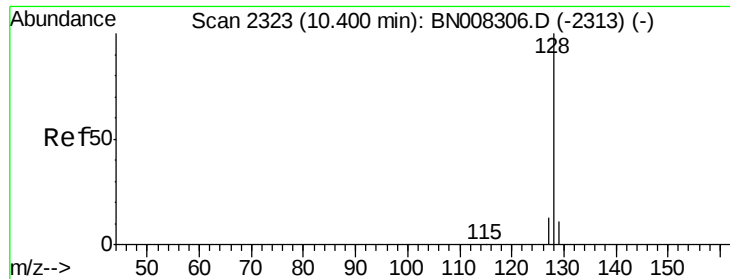
Instrument :
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Quant Time: Oct 22 13:56:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 13:04:25 2019
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#3

Naphthalene

Concen: 0.109 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN008312.D

Acq: 22 Oct 2019 13:02

Instrument :

BNA_N

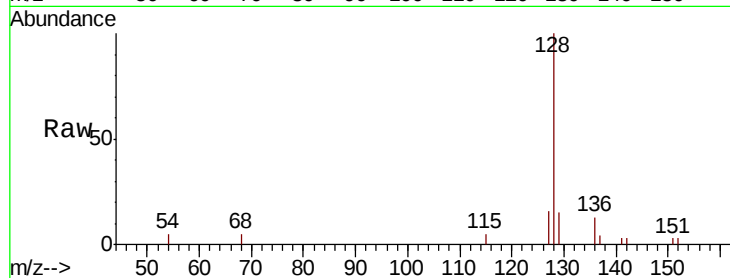
ClientSampleId :

BEP72DL

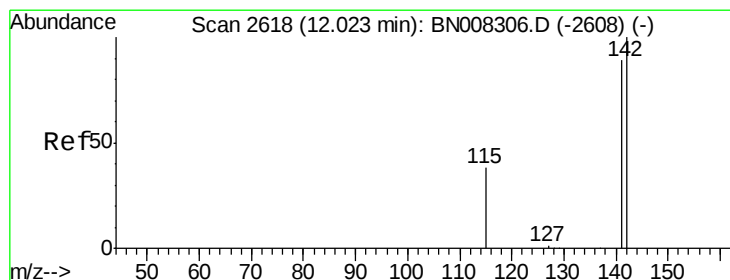
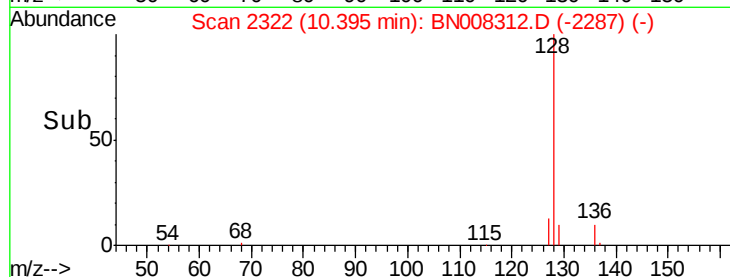
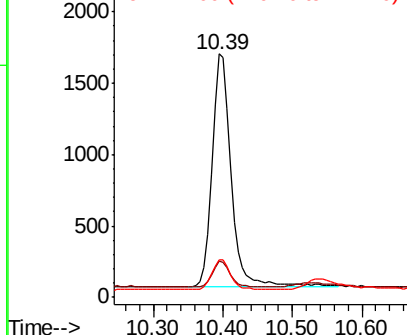
Tot Ion:	128	Resp:	3081
Ion	Ratio	Lower	Upper
128	100		
129	14.8	9.8	14.8#
127	15.7	11.1	16.7

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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



#5

2-Methylnaphthalene

Concen: 0.102 ng/ul

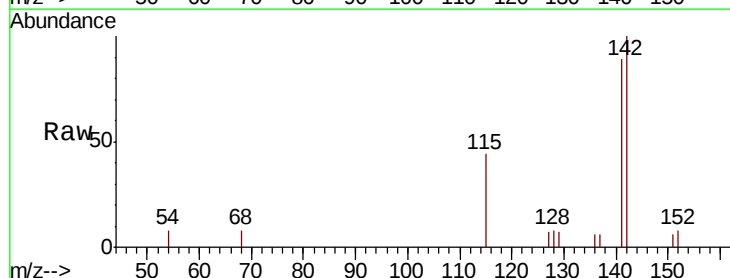
RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

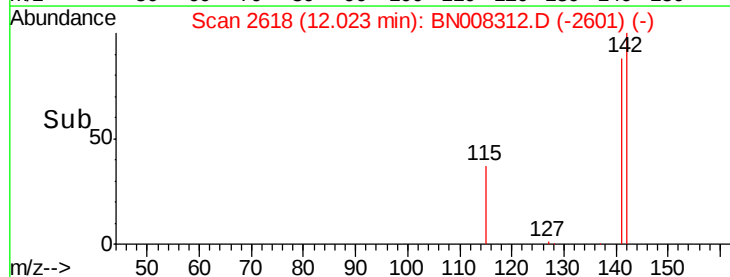
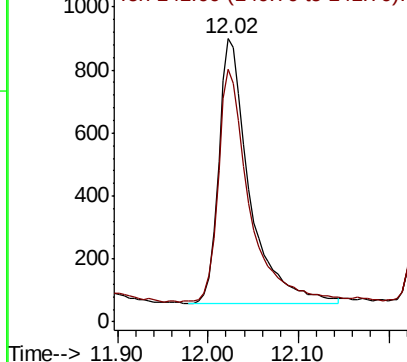
Lab File: BN008312.D

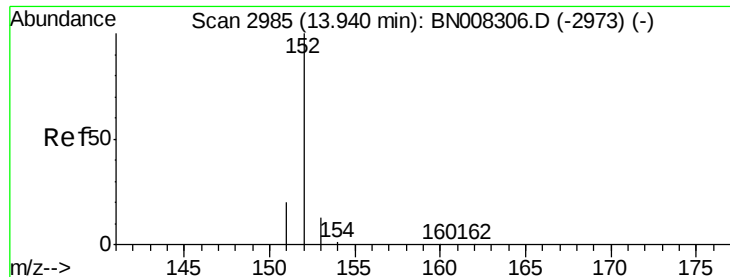
Acq: 22 Oct 2019 13:02

Tgt Ion:	142	Resp:	1991
Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.4	107.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.276 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008312.D

Acq: 22 Oct 2019 13:02

Instrument :

BNA_N

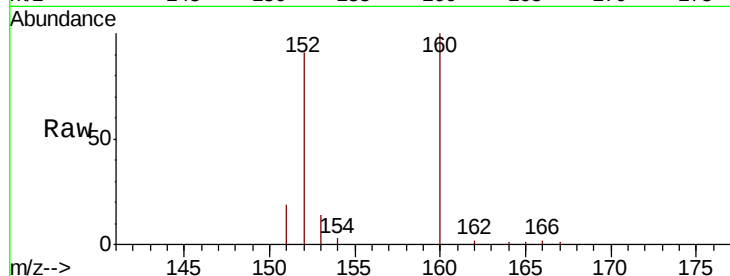
ClientSampleId :

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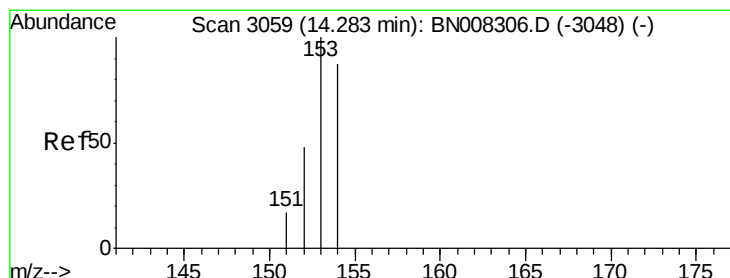
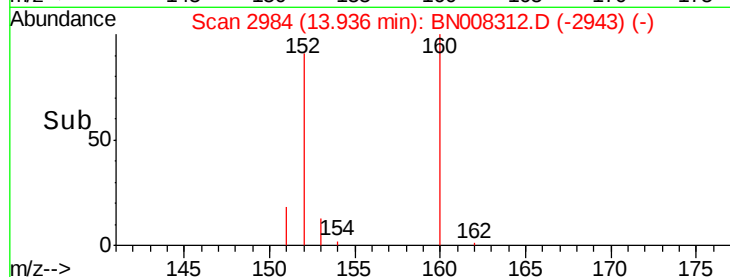
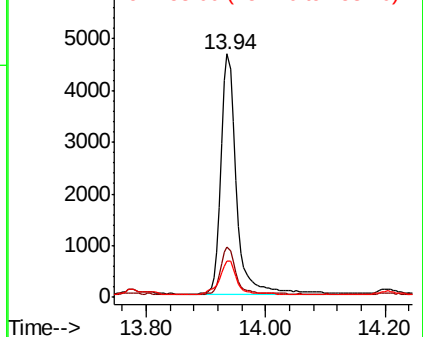
Tot Ion:	152	Resp:	8376
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.2	24.4
153	15.1	11.0	16.4

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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



#8

Acenaphthene

Concen: 0.275 ng/ul

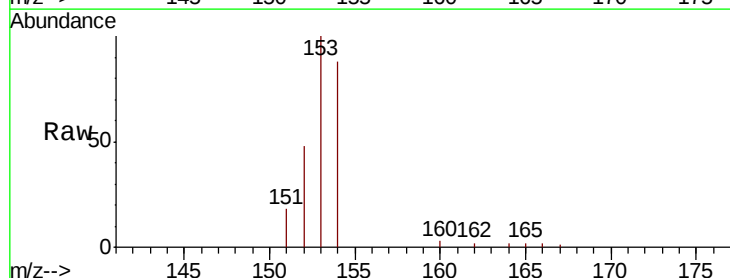
RT: 14.28 min Scan# 3059

Delta R.T. -0.00 min

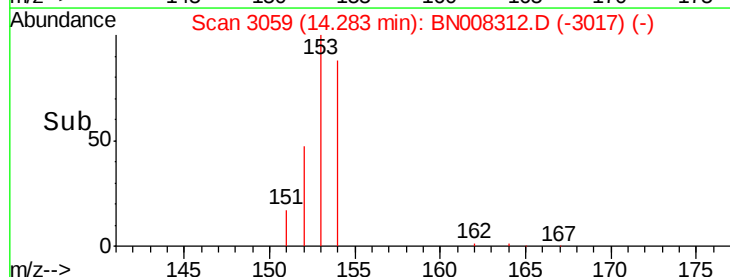
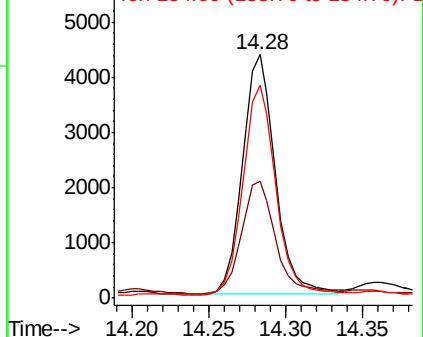
Lab File: BN008312.D

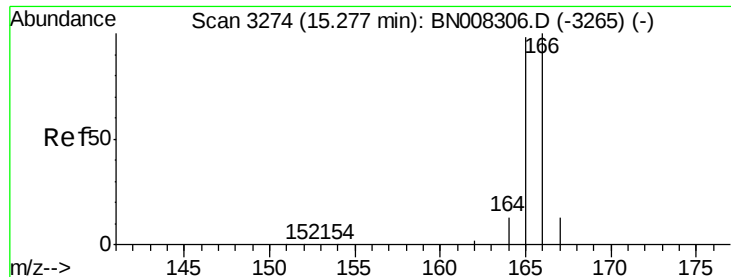
Acq: 22 Oct 2019 13:02

Tgt Ion:	153	Resp:	6485
Ion Ratio	Lower	Upper	
153	100		
152	48.1	38.2	57.2
154	87.6	71.8	107.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.264 ng/ul

RT: 15.27 min Scan# 3273

Delta R.T. -0.01 min

Lab File: BN008312.D

Acq: 22 Oct 2019 13:02

Instrument :

BNA_N

ClientSampleId :

BEP72DL

Tot Ion:166 Resp: 7093

Ion Ratio Lower Upper

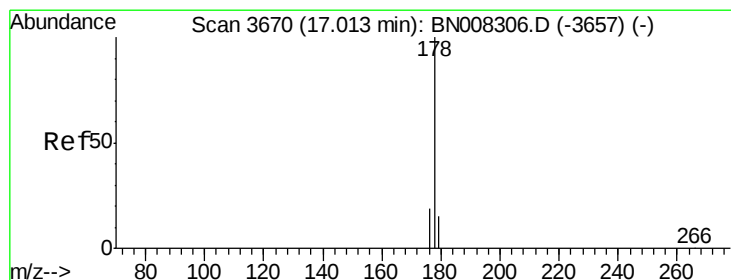
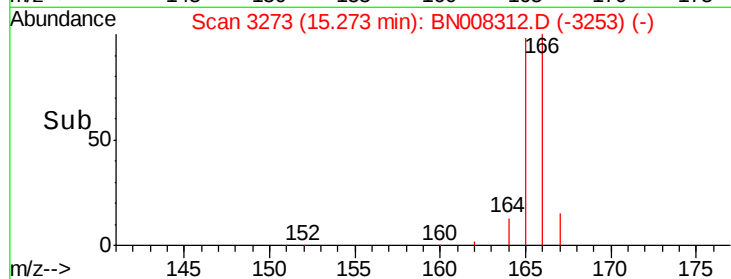
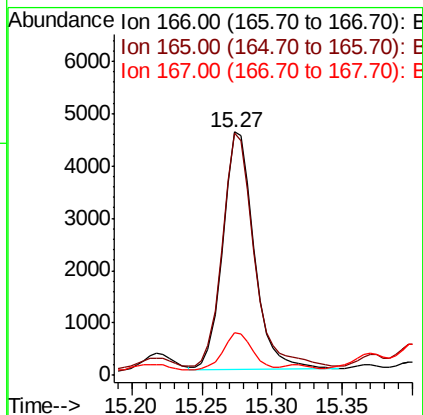
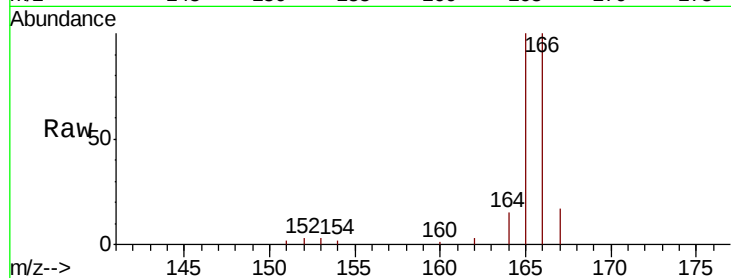
166 100

165 99.5 76.6 115.0

167 17.3 11.7 17.5

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#12

Phenanthrene

Concen: 3.934 ng/ul

RT: 17.01 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BN008312.D

Acq: 22 Oct 2019 13:02

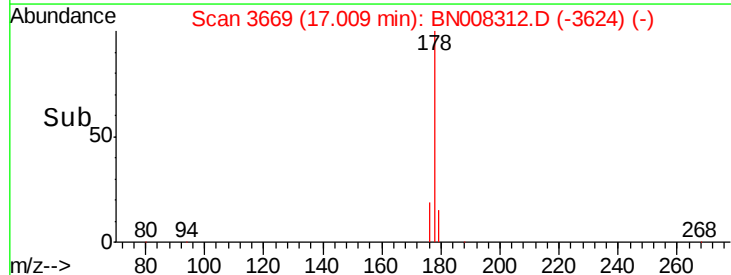
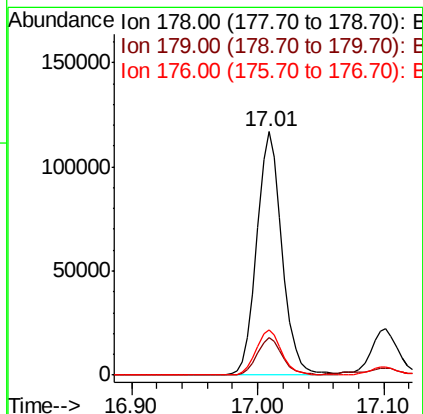
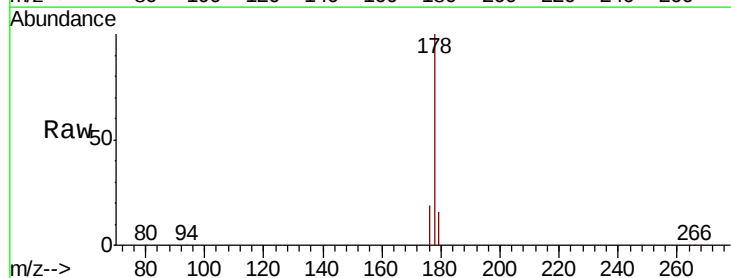
Tgt Ion:178 Resp: 161196

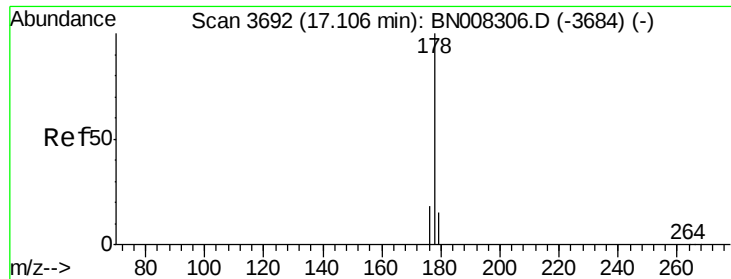
Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 18.7 15.4 23.2





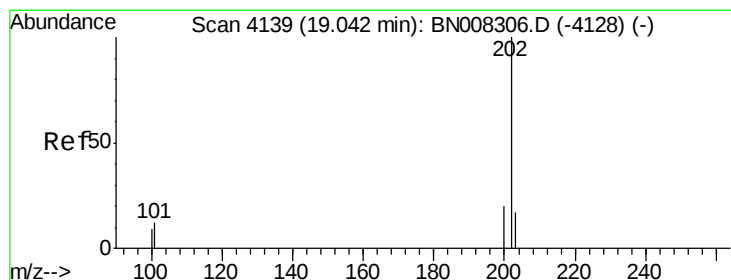
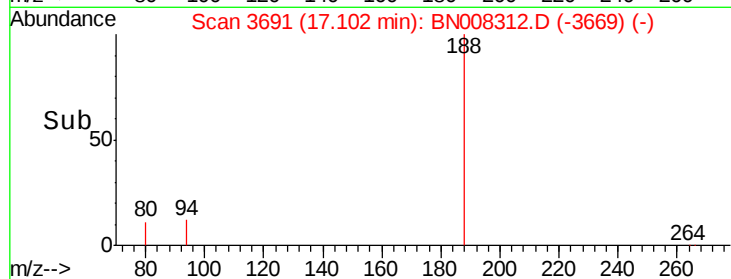
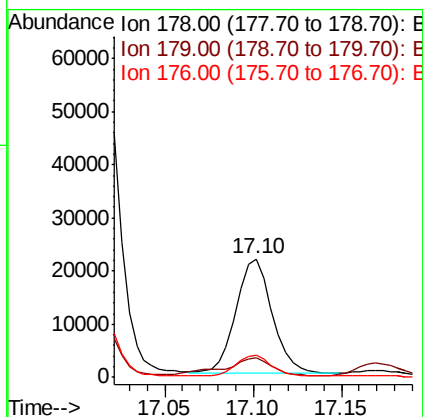
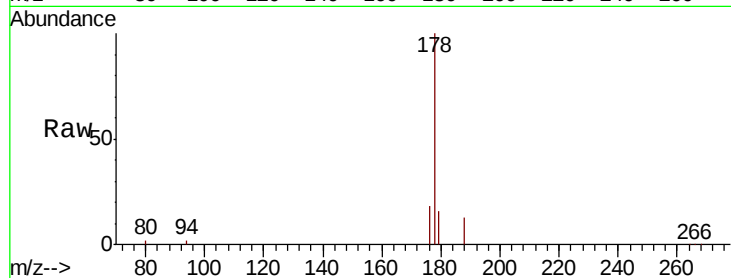
#13
 Anthracene
 Concen: 0.848 ng/ul
 RT: 17.10 min Scan# 3691
 Delta R.T. -0.01 min
 Lab File: BN008312.D
 Acq: 22 Oct 2019 13:02

Instrument :
 BNA_N
 ClientSampleId :
 BEP72DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.0	19.6
176	18.3	15.0	22.6

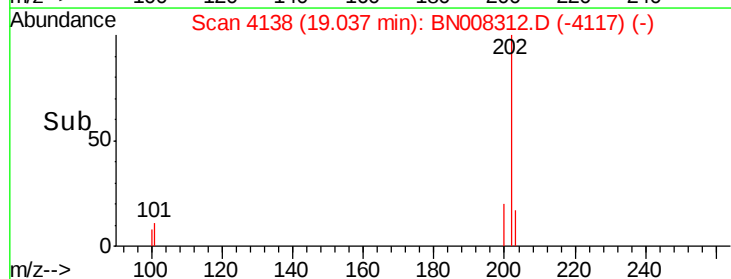
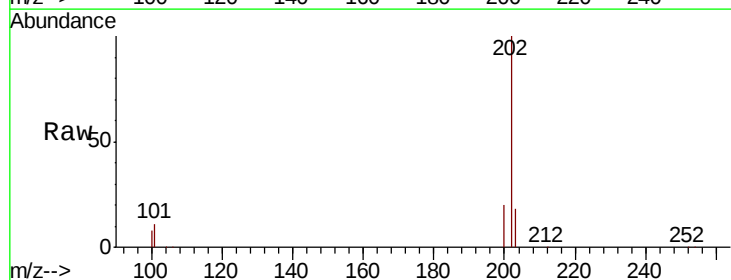
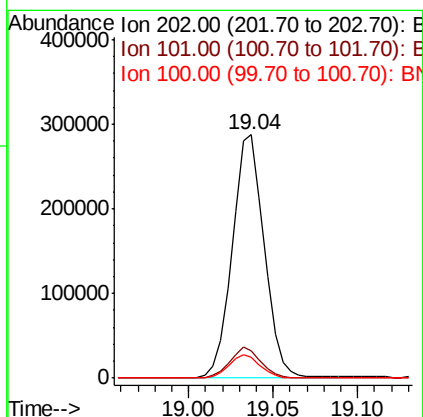
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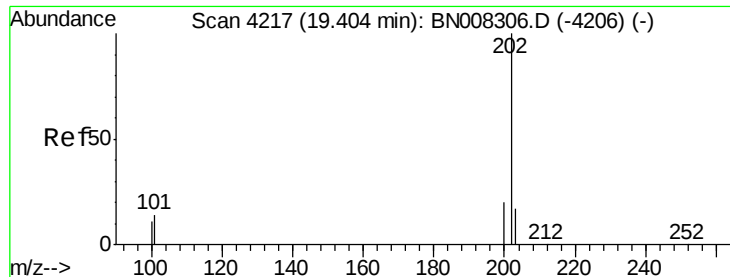
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#15
 Fluoranthene
 Concen: 6.966 ng/ul
 RT: 19.04 min Scan# 4138
 Delta R.T. -0.00 min
 Lab File: BN008312.D
 Acq: 22 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.2
100	8.4	0.0	28.5





#17

Pvrene

Concen: 7.906 ng/ul

RT: 19.40 min Scan# 4216

Delta R.T. -0.00 min

Lab File: BN008312.D

Acq: 22 Oct 2019 13:02

Instrument :

BNA_N

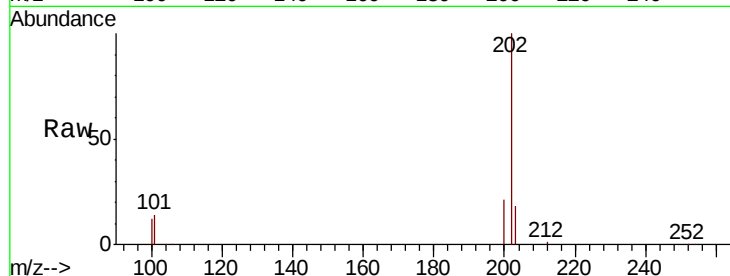
ClientSampleId :

BEP72DL

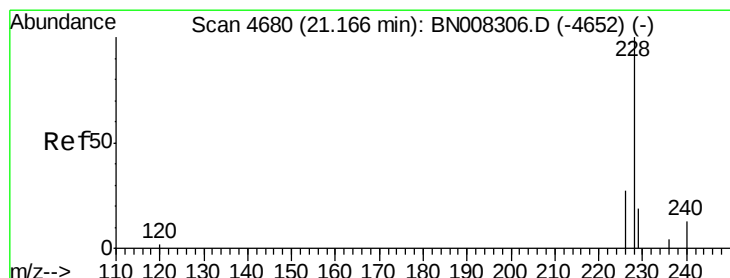
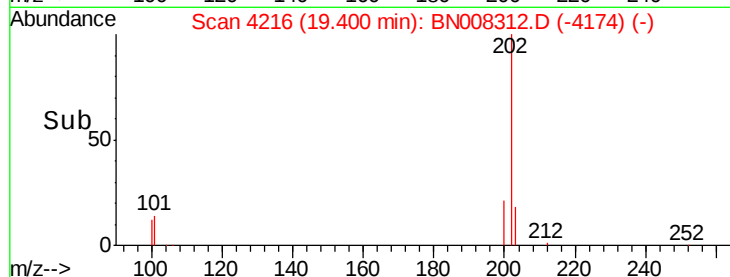
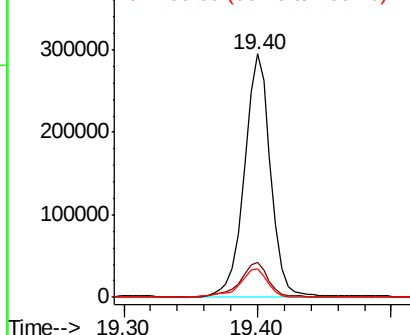
Tot Ion:	202	Resp:	398379
Ion Ratio	Lower	Upper	
202	100		
101	14.2	10.9	16.3
100	11.6	8.7	13.1

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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



#18

Benzo(a)anthracene

Concen: 4.701 ng/ul

RT: 21.16 min Scan# 4678

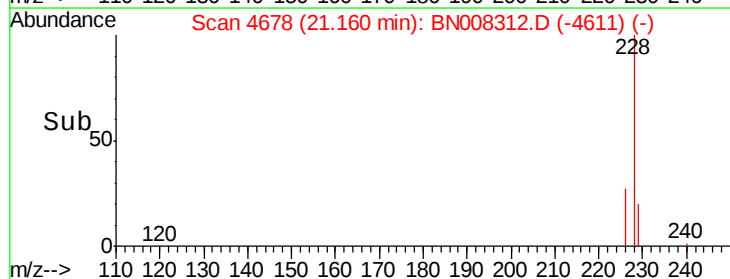
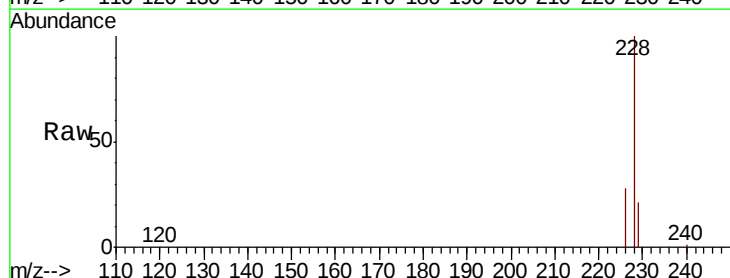
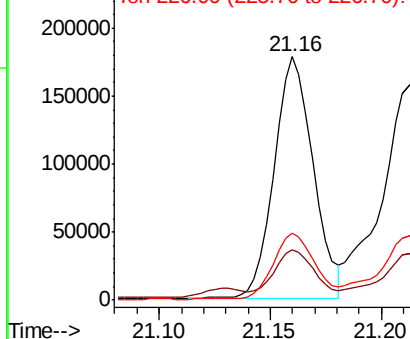
Delta R.T. -0.01 min

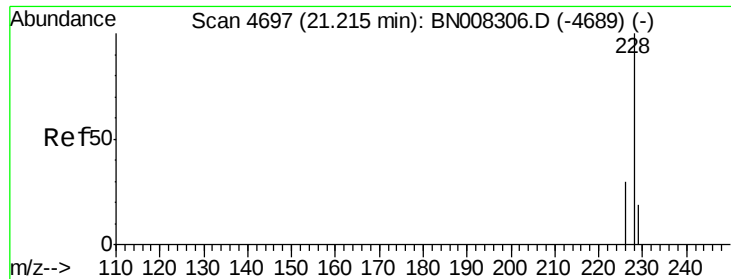
Lab File: BN008312.D

Acq: 22 Oct 2019 13:02

Tgt Ion:	228	Resp:	216311
Ion Ratio	Lower	Upper	
228	100		
229	20.9	16.2	24.2
226	27.7	21.4	32.0

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





#19

Chrysene

Concen: 4.200 ng/ul

RT: 21.21 min Scan# 4696

Delta R.T. -0.00 min

Lab File: BN008312.D

Acq: 22 Oct 2019 13:02

Instrument :

BNA_N

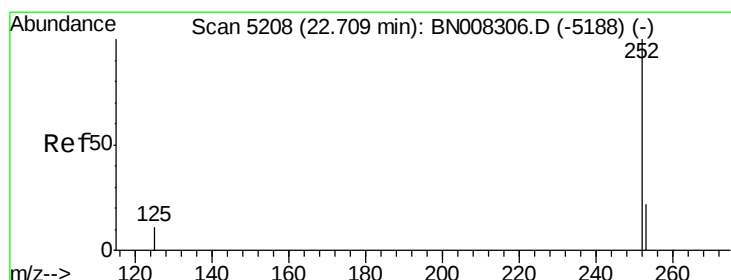
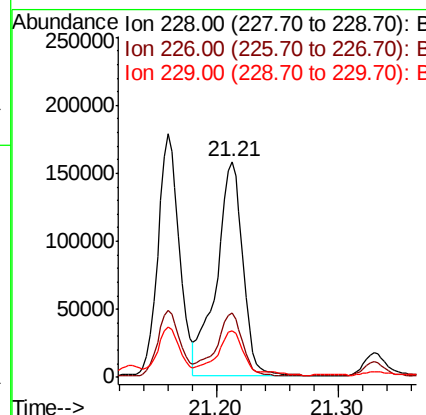
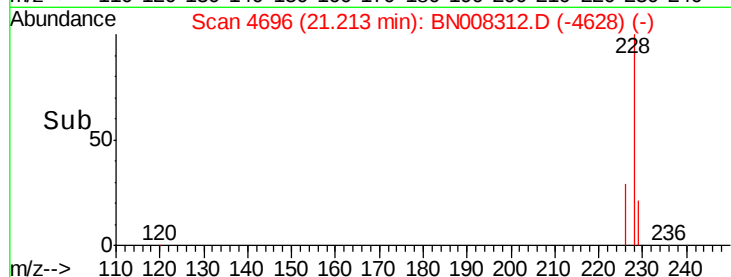
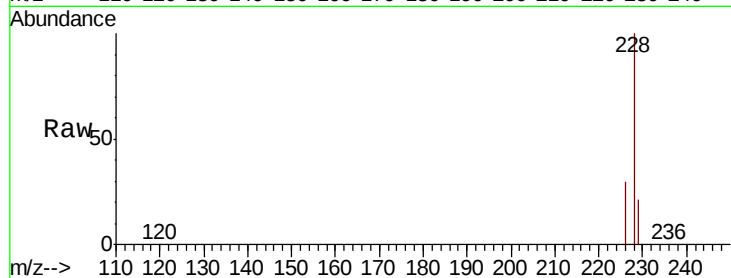
ClientSampleId :

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Tot Ion:	228	Resp:	237153
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.1	36.1
229	21.5	16.2	24.2

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#21

Benzo(b)fluoranthene

Concen: 6.376 ng/ul m

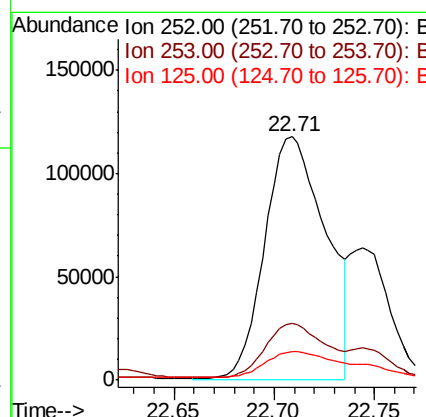
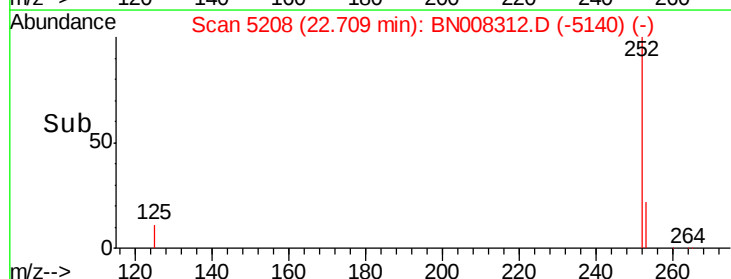
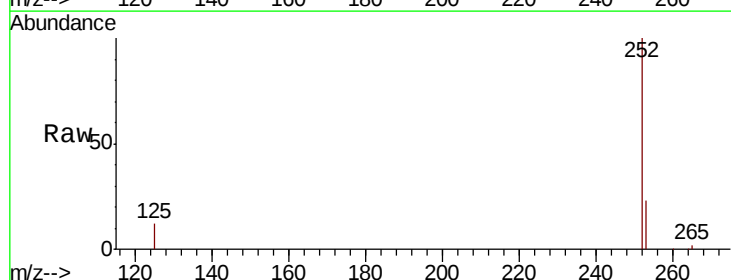
RT: 22.71 min Scan# 5208

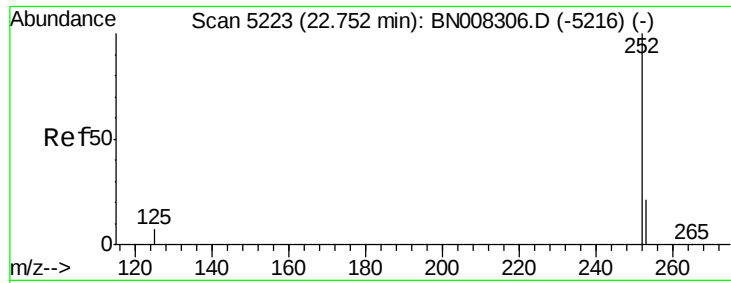
Delta R.T. 0.00 min

Lab File: BN008312.D

Acq: 22 Oct 2019 13:02

Tgt Ion:	252	Resp:	250147
Ion Ratio	Lower	Upper	
252	100		
253	23.1	0.0	53.4
125	11.8	0.0	32.4





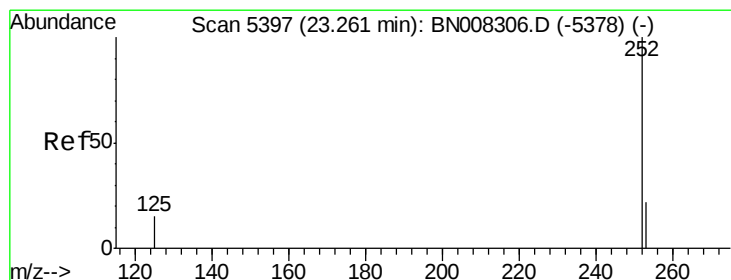
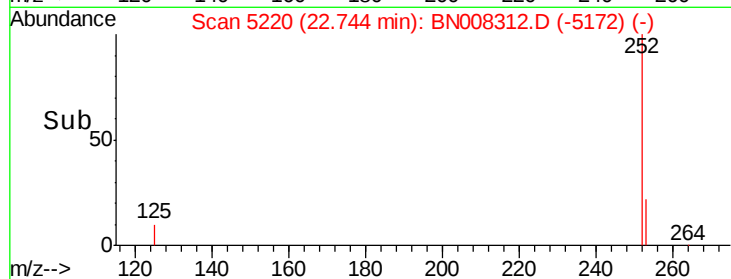
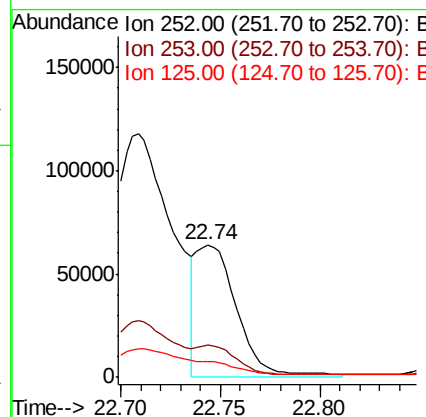
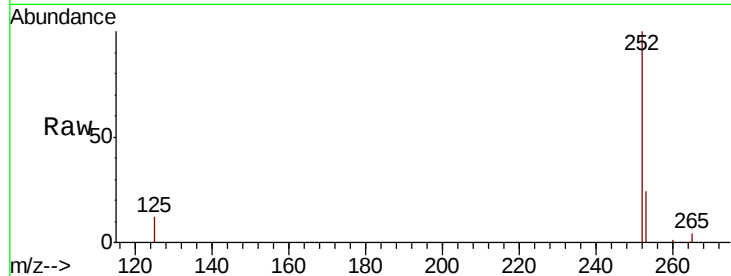
#22
Benzo(k)fluoranthene
Concen: 2.091 ng/ul m
RT: 22.74 min Scan# 5220
Delta R.T. -0.01 min
Lab File: BN008312.D
Acq: 22 Oct 2019 13:02

Instrument :
BNA_N
ClientSampleId :
BEP72DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	21.3	31.9
125	12.1	12.3	18.5#

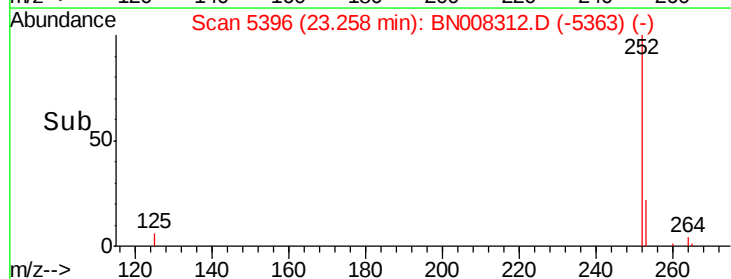
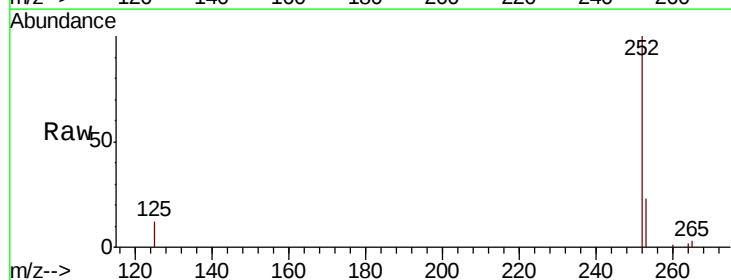
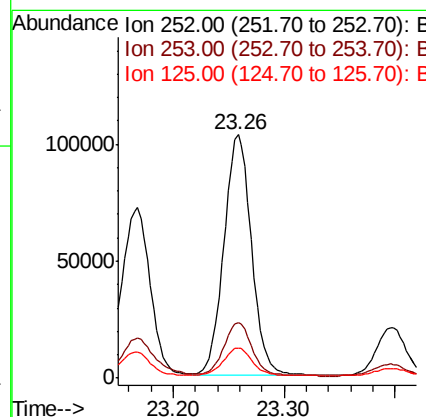
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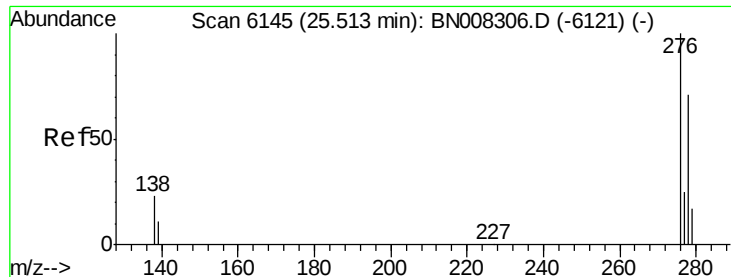
mohammad
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#23
Benzo(a)pyrene
Concen: 4.335 ng/ul
RT: 23.26 min Scan# 5396
Delta R.T. -0.00 min
Lab File: BN008312.D
Acq: 22 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	22.8	34.2
125	12.4	18.4	27.6#





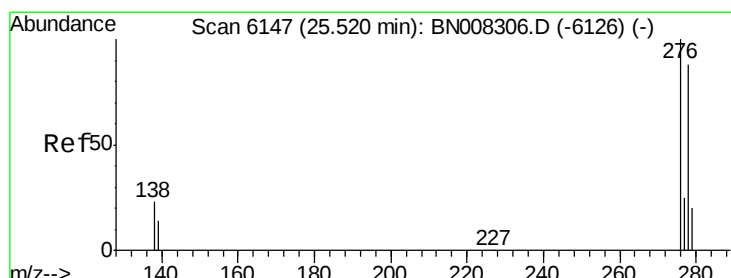
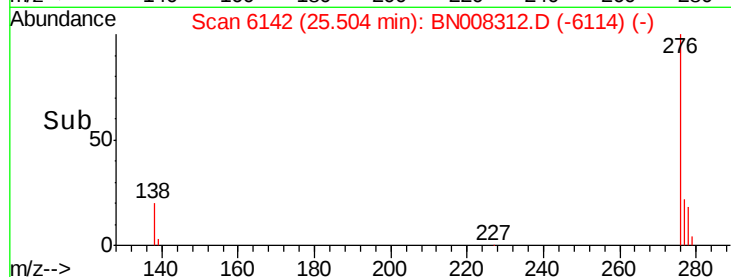
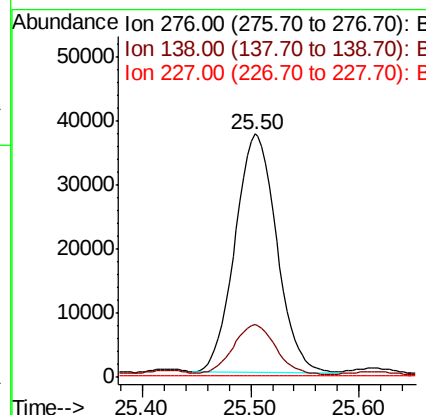
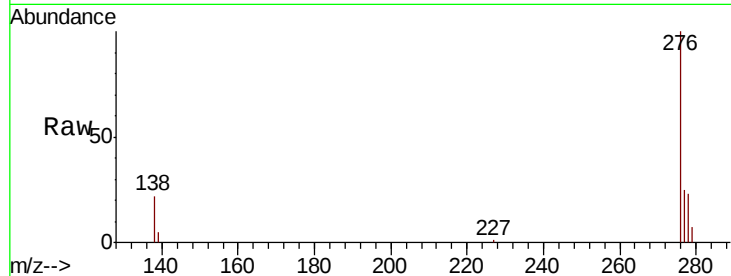
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.034 ng/ul
 RT: 25.50 min Scan# 6142
 Delta R.T. -0.01 min
 Lab File: BN008312.D
 Acq: 22 Oct 2019 13:02

Instrument :
 BNA_N
 ClientSampleID :
 BEP72DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	16.1	24.1
227	0.2	0.2	0.2

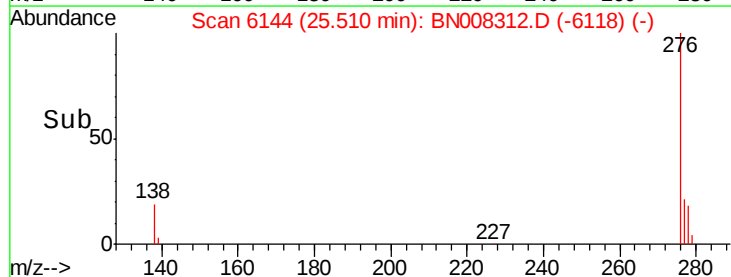
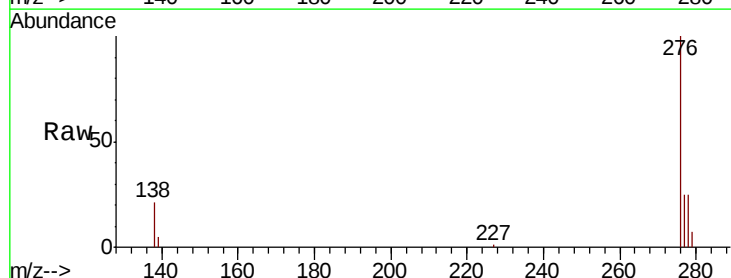
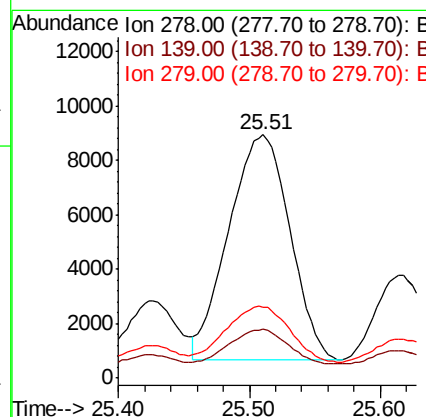
Manual Integrations
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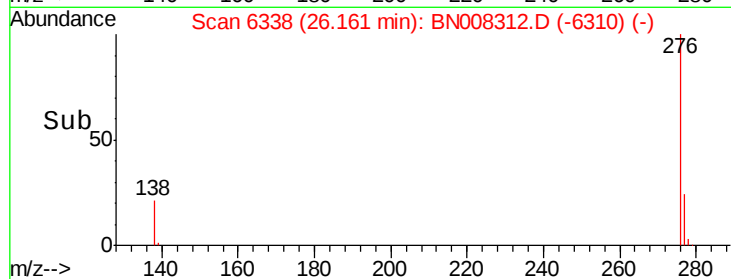
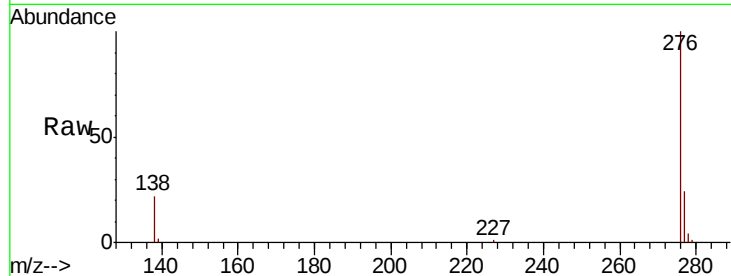
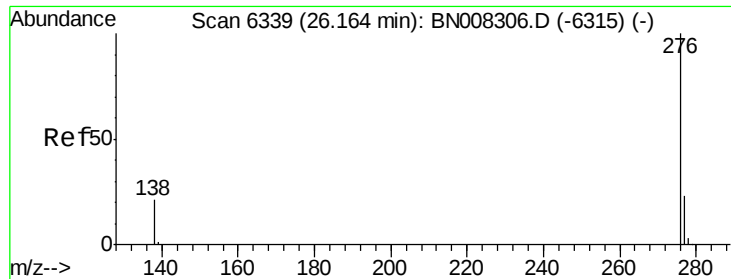
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#25
 Dibenzo(a,h)anthracene
 Concen: 0.697 ng/ul
 RT: 25.51 min Scan# 6144
 Delta R.T. -0.01 min
 Lab File: BN008312.D
 Acq: 22 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.0	15.0	22.6
279	29.2	22.4	33.6





#26
Benzo(a,h,i)perylene
Concen: 2.193 ng/ul
RT: 26.16 min Scan# 6338
Delta R.T. -0.01 min
Lab File: BN008312.D
Acq: 22 Oct 2019 13:02

Instrument :
BNA_N
ClientSampleId :
BEP72DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	17.0	25.4
277	24.3	20.4	30.6

Manual Integrations
APPROVED

mohammad
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