

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008343.D
 Acq On : 23 Oct 2019 08:42
 Operator : JU
 Sample : K5223-20
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPA8

Manual Integrations
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mohammad
 10/24/2019 8:06:21 AM

Quant Time: Oct 23 09:38:25 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 : Mon Oct 21 23:58:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1781	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.34	136	8751	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.22	164	5501	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	11992	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	11033	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	9172	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2125	0.14	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	6359	0.15	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	698	0.028	ng/ul#	75
7) Acenaphthylene	13.93	152	2346	0.090	ng/ul#	93
8) Acenaphthene	14.28	153	786	0.039	ng/ul	96
9) Fluorene	15.27	166	1301	0.056	ng/ul#	96
12) Phenanthrene	17.01	178	26054	0.742	ng/ul	99
13) Anthracene	17.10	178	5248	0.170	ng/ul	97
15) Fluoranthene	19.03	202	62298	1.343	ng/ul	98
17) Pyrene	19.39	202	63478	1.445	ng/ul	96
18) Benzo(a)anthracene	21.16	228	33948	0.846	ng/ul	97
19) Chrysene	21.21	228	36931	0.750	ng/ul	99
21) Benzo(b)fluoranthene	22.70	252	35726m	1.197	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	13508m	0.399	ng/ul	
23) Benzo(a)pyrene	23.25	252	25670	0.817	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.50	276	14878	0.402	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.50	278	3694	0.126	ng/ul#	80
26) Benzo(a,h,i)perylene	26.15	276	12572	0.370	ng/ul	98

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

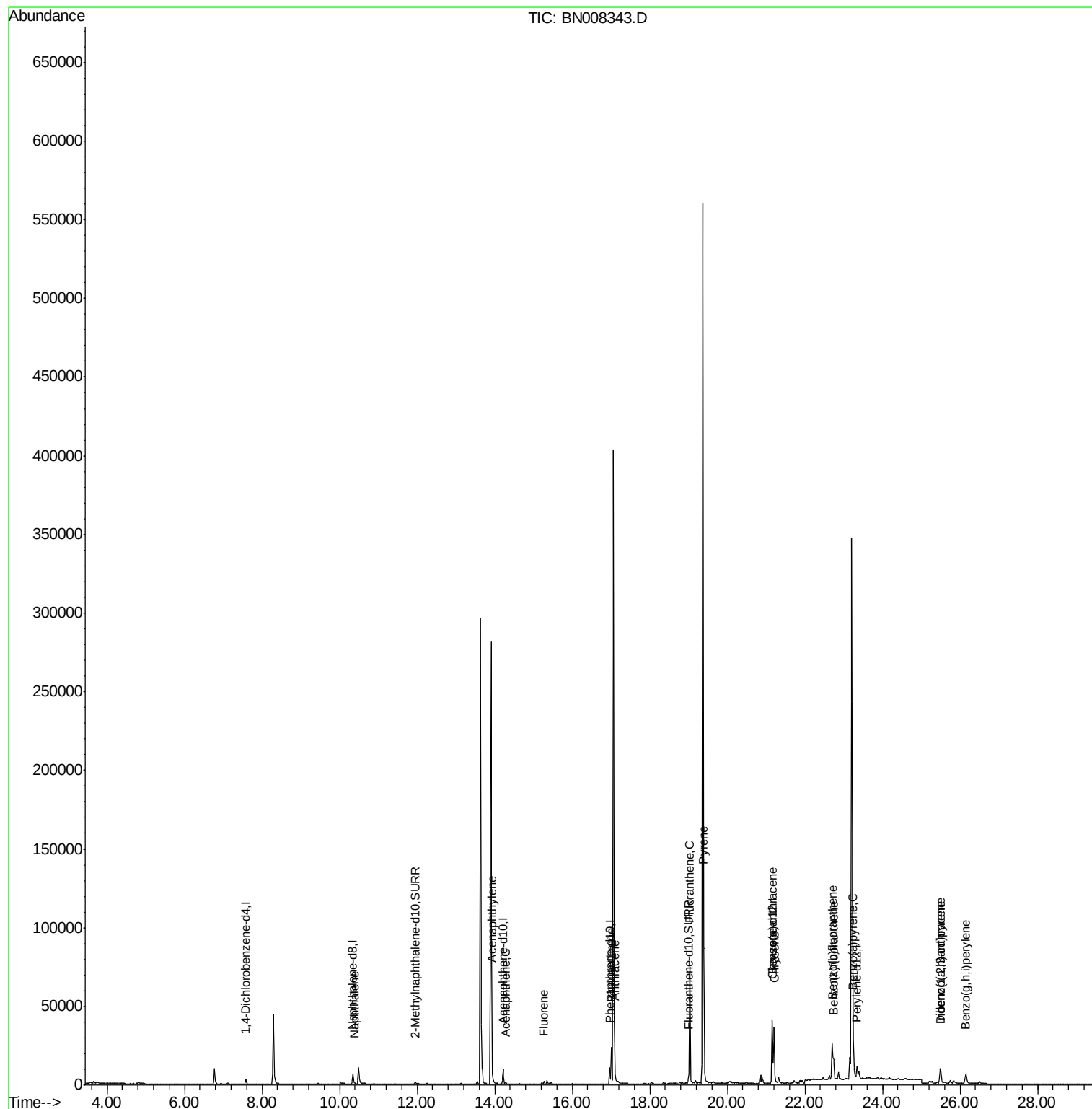
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008343.D
Acq On : 23 Oct 2019 08:42
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ALS Vial : 37 Sample Multiplier: 1

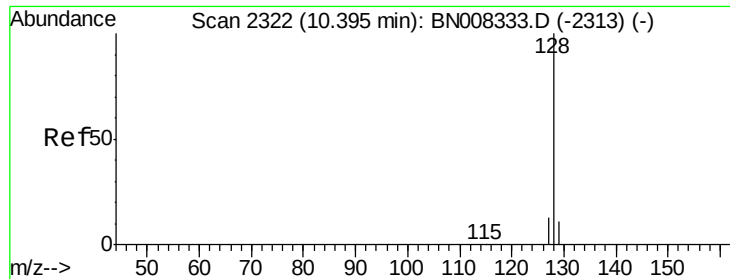
Instrument :
BNA_N
ClientSampleId :
BEPAS

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Quant Time: Oct 23 09:38:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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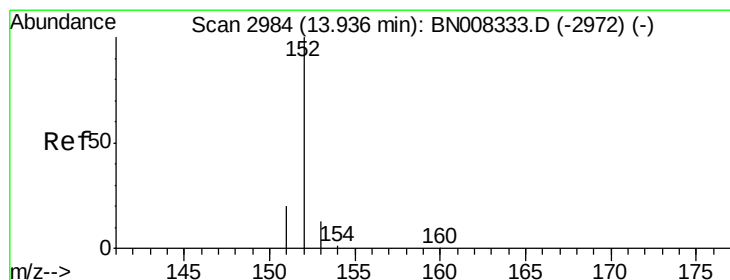
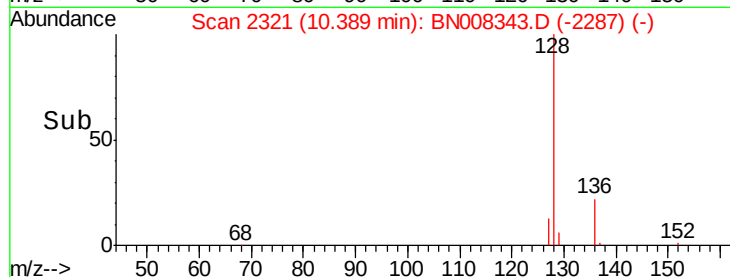
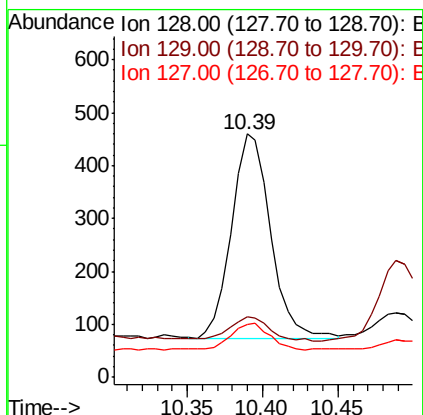
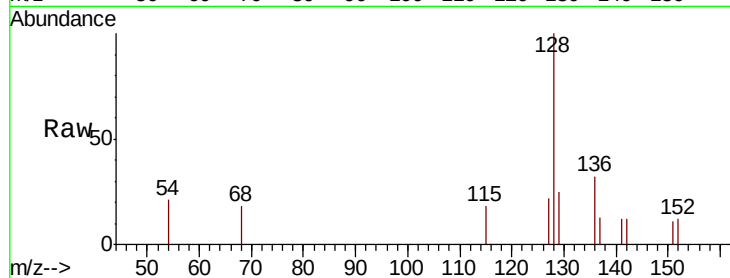
#3
Naphthalene
Concen: 0.028 ng/ul
RT: 10.39 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BN008343.D
Acq: 23 Oct 2019 08:42

Instrument :
BNA_N
ClientSampleId :
BEPa8

Tot Ion	Ratio	Lower	Upper
128	100		
129	25.0	9.8	14.8#
127	21.7	11.1	16.7#

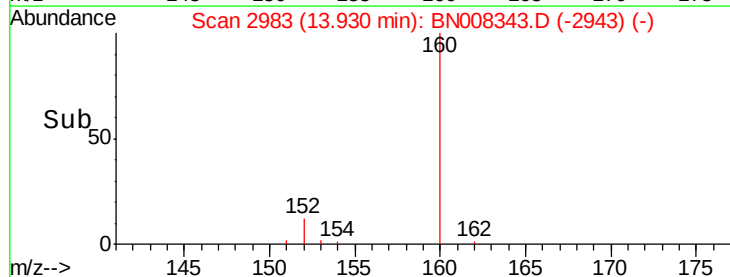
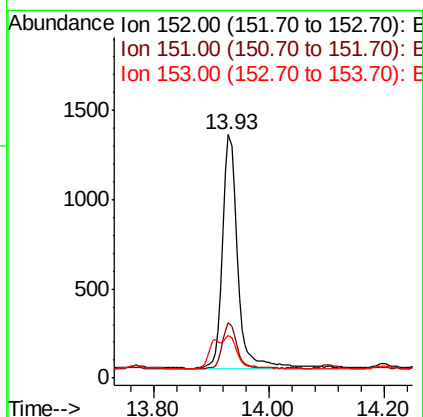
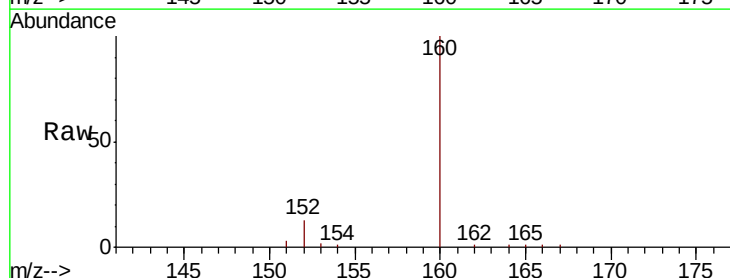
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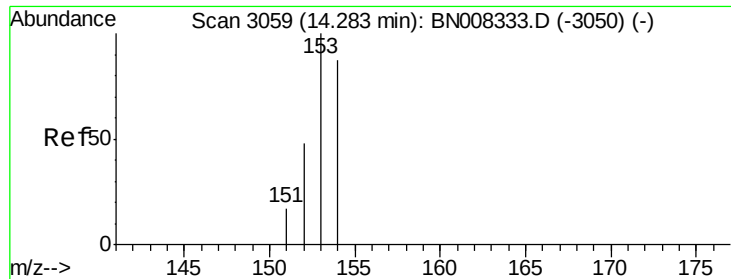
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#7
Acenaphthylene
Concen: 0.090 ng/ul
RT: 13.93 min Scan# 2983
Delta R.T. -0.01 min
Lab File: BN008343.D
Acq: 23 Oct 2019 08:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.2	24.4
153	17.4	11.0	16.4#





#8

Acenaphthene

Concen: 0.039 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008343.D

Acq: 23 Oct 2019 08:42

Instrument :

BNA_N

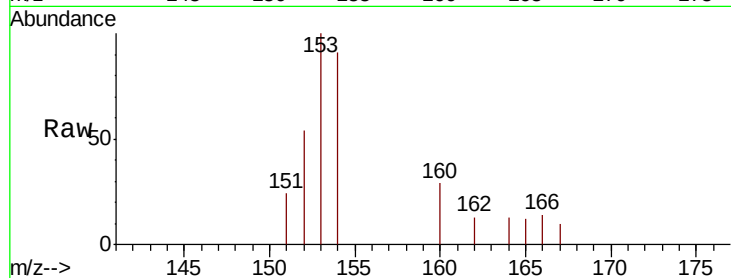
ClientSampleId :

BEPAS

Tot Ion:	153	Resp:	786
Ion	Ratio	Lower	Upper
153	100		
152	54.5	38.2	57.2
154	91.0	71.8	107.8

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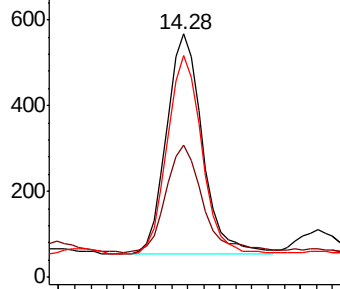


Abundance

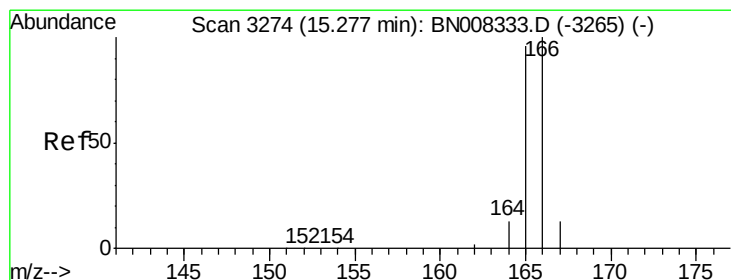
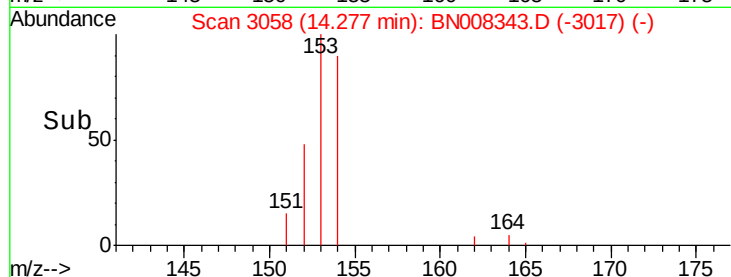
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.056 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008343.D

Acq: 23 Oct 2019 08:42

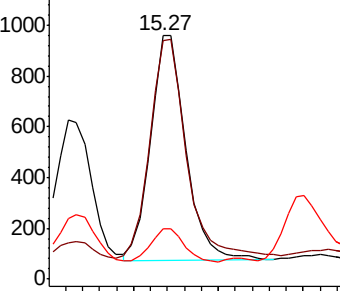
Tgt Ion:	166	Resp:	1301
Ion	Ratio	Lower	Upper
166	100		
165	97.8	76.6	115.0
167	20.5	11.7	17.5

Abundance

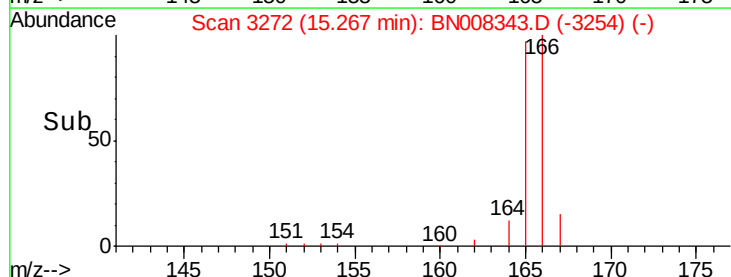
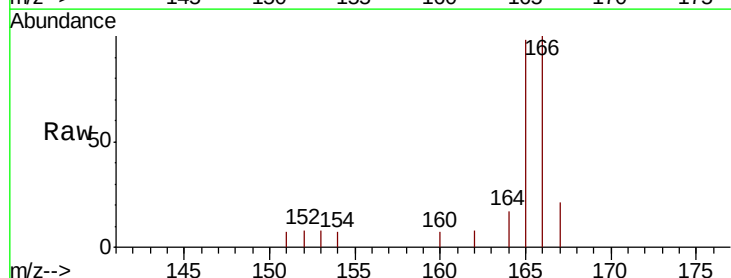
Ion 166.00 (165.70 to 166.70): E

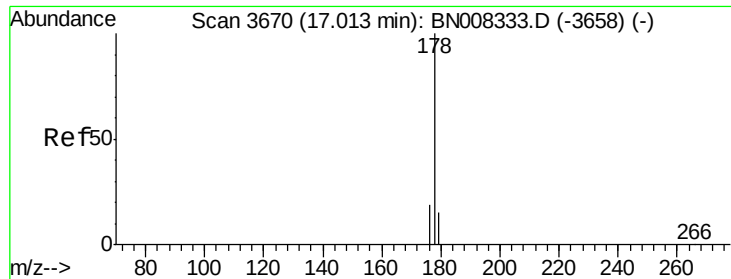
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





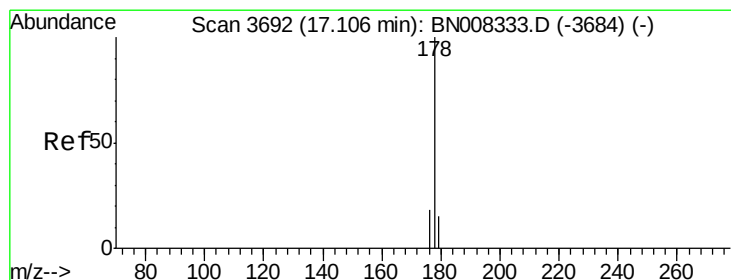
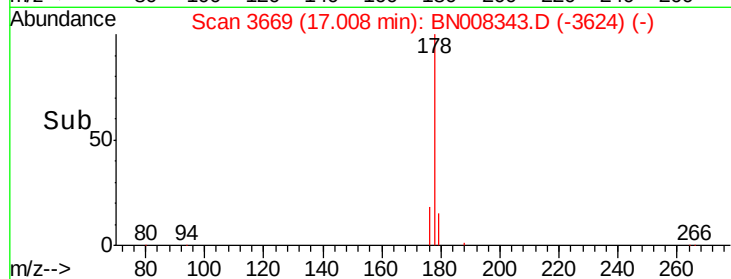
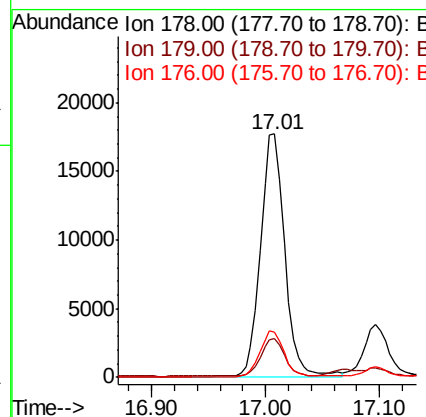
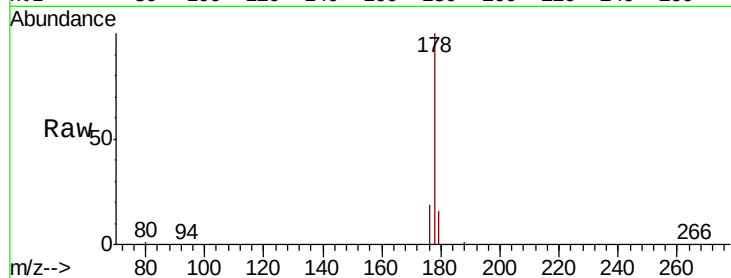
#12
Phenanthrene
Concen: 0.742 ng/ul
RT: 17.01 min Scan# 3669
Delta R.T. -0.01 min
Lab File: BN008343.D
Acq: 23 Oct 2019 08:42

Instrument :
BNA_N
ClientSampleId :
BEPAS

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.8	19.2
176	18.6	15.4	23.2

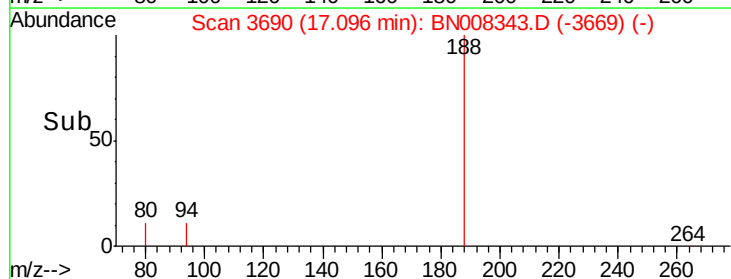
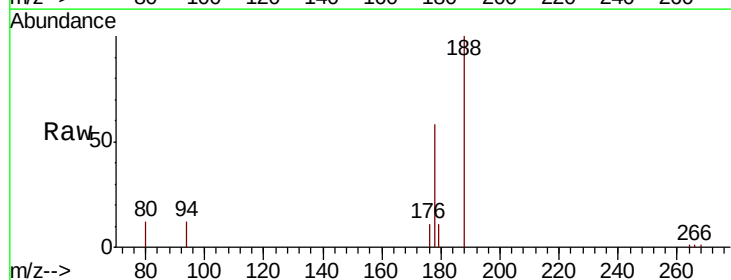
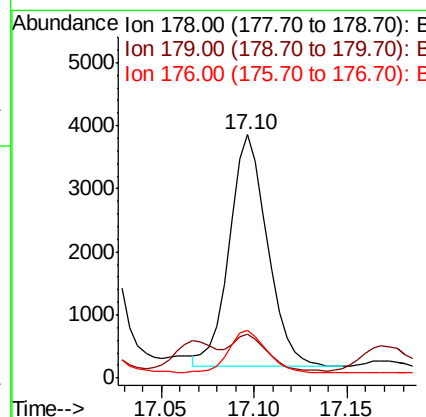
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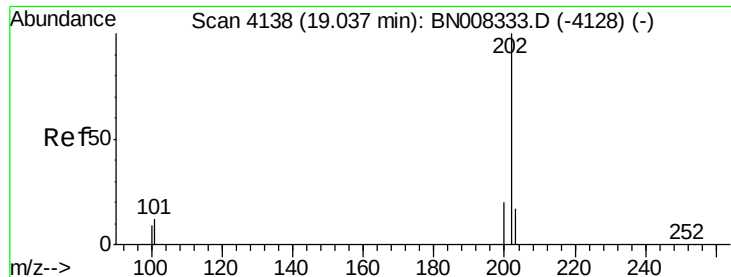
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#13
Anthracene
Concen: 0.170 ng/ul
RT: 17.10 min Scan# 3690
Delta R.T. -0.01 min
Lab File: BN008343.D
Acq: 23 Oct 2019 08:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.1	13.0	19.6
176	19.4	15.0	22.6





#15

Fluoranthene

Concen: 1.343 ng/ul

RT: 19.03 min Scan# 4137

Delta R.T. -0.01 min

Lab File: BN008343.D

Acq: 23 Oct 2019 08:42

Instrument :

BNA_N

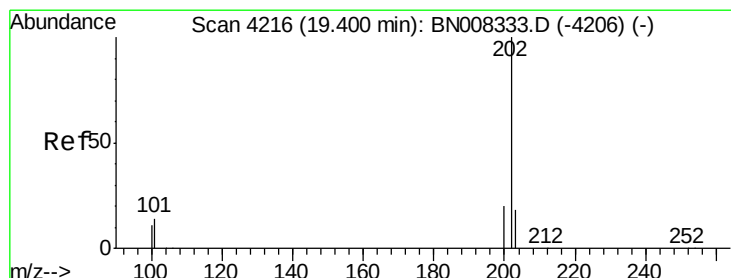
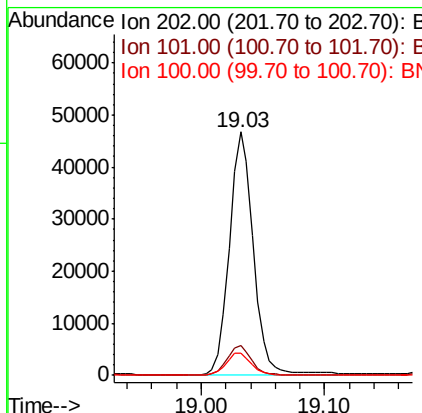
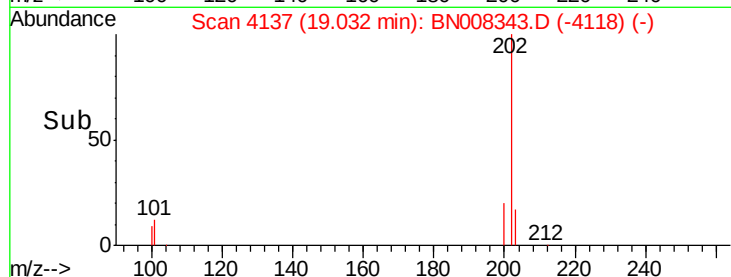
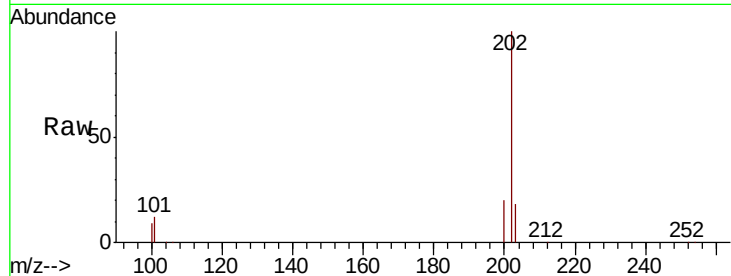
ClientSampleId :

BEPAS

Tot Ion:	202	Resp:	62298
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	31.2
100	9.3	0.0	28.5

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#17

Pyrene

Concen: 1.445 ng/ul

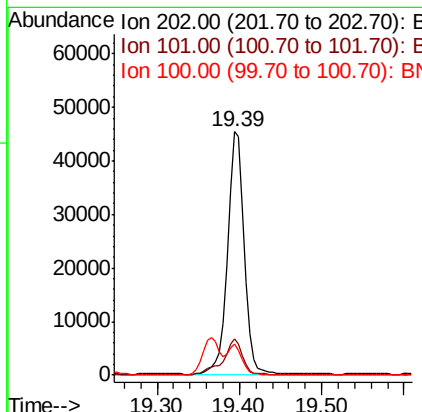
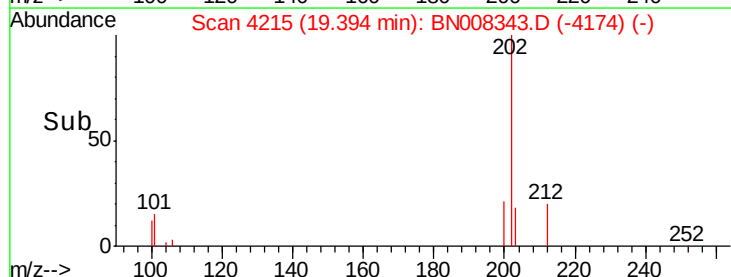
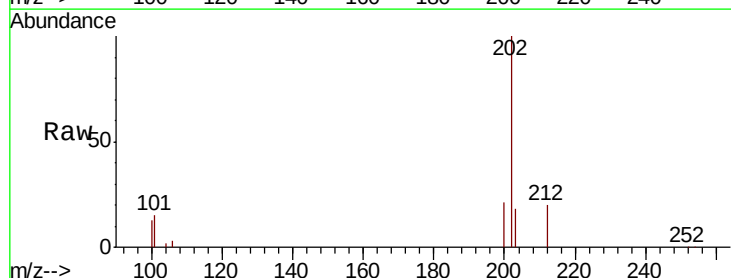
RT: 19.39 min Scan# 4215

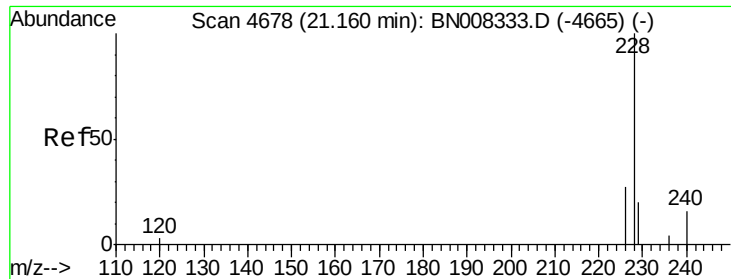
Delta R.T. -0.01 min

Lab File: BN008343.D

Acq: 23 Oct 2019 08:42

Tgt Ion:	202	Resp:	63478
Ion Ratio	Lower	Upper	
202	100		
101	14.9	10.9	16.3
100	12.6	8.7	13.1





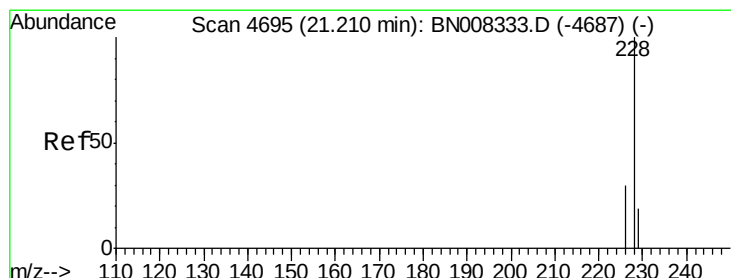
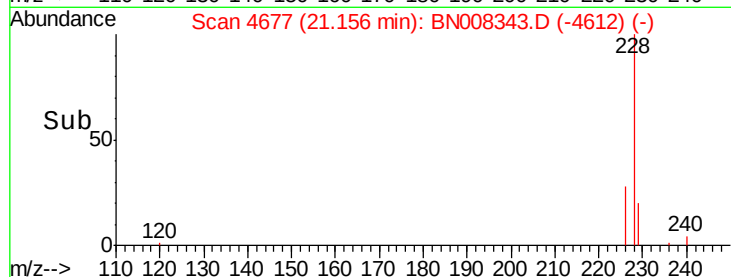
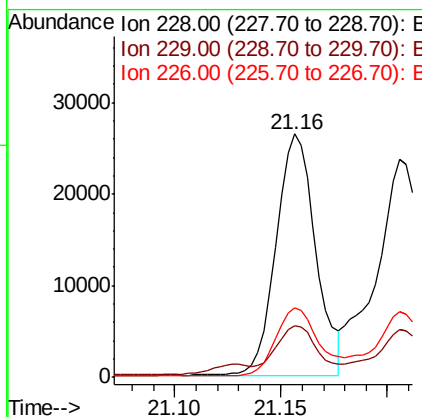
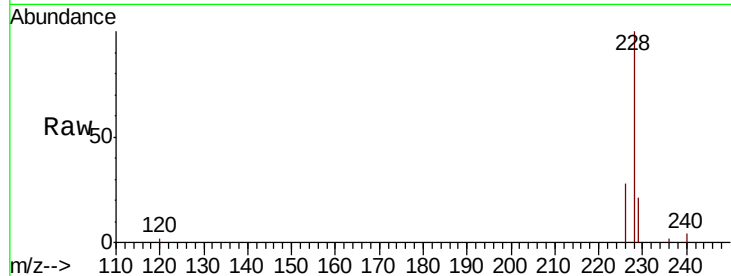
#18
Benzo(a)anthracene
Concen: 0.846 ng/ul
RT: 21.16 min Scan# 4677
Delta R.T. -0.01 min
Lab File: BN008343.D
Acq: 23 Oct 2019 08:42

Instrument :
BNA_N
ClientSampleId :
BEPAS

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.2	24.2
226	28.4	21.4	32.0

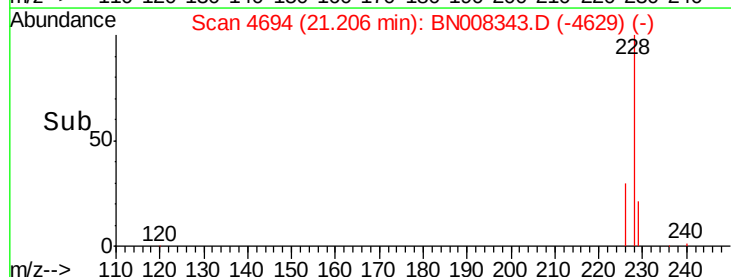
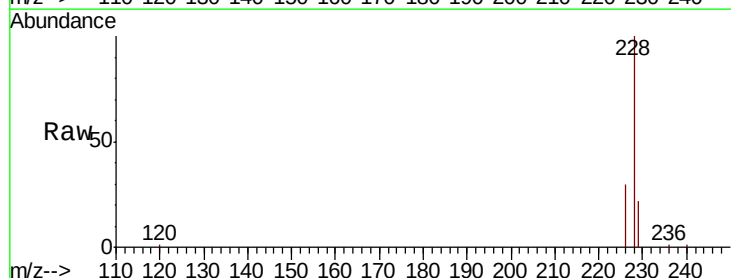
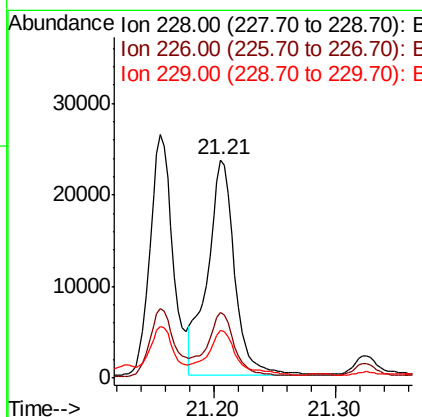
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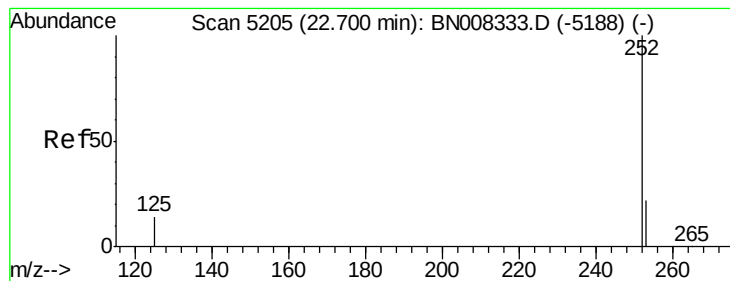
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#19
Chrysene
Concen: 0.750 ng/ul
RT: 21.21 min Scan# 4694
Delta R.T. -0.01 min
Lab File: BN008343.D
Acq: 23 Oct 2019 08:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	21.8	16.2	24.2





#21

Benzo(b)fluoranthene

Concen: 1.197 ng/ul m

RT: 22.70 min Scan# 5206

Delta R.T. -0.01 min

Lab File: BN008343.D

Acq: 23 Oct 2019 08:42

Instrument :

BNA_N

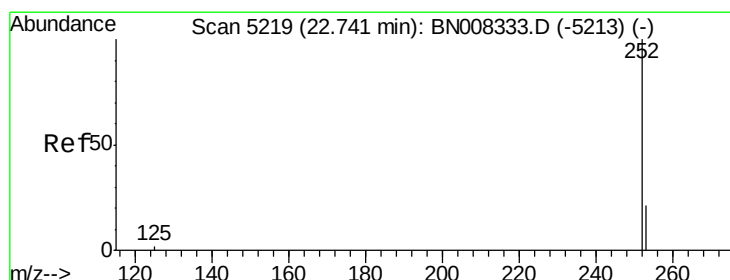
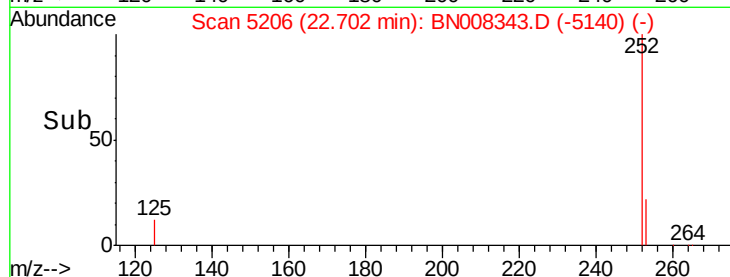
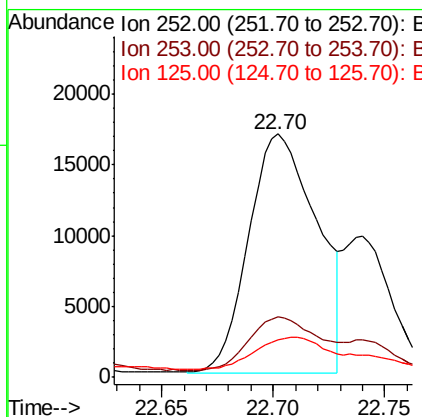
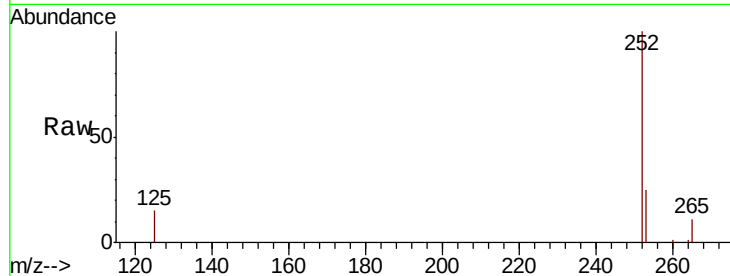
ClientSampleId :

BEPa8

Tot Ion:	252	Resp:	35726
Ion Ratio	Lower	Upper	
252	100		
253	24.7	0.0	53.4
125	15.3	0.0	32.4

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#22

Benzo(k)fluoranthene

Concen: 0.399 ng/ul m

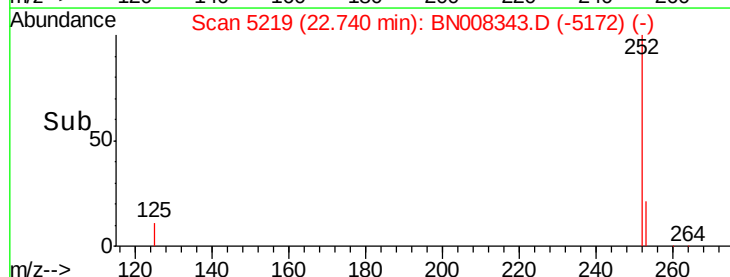
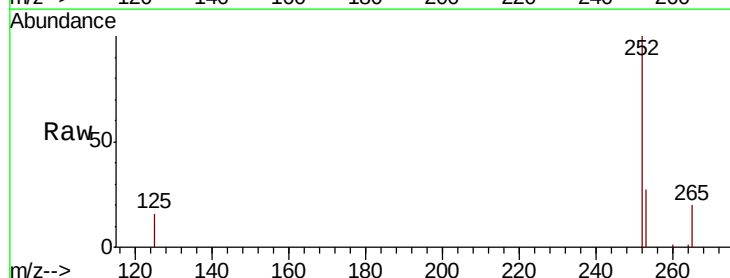
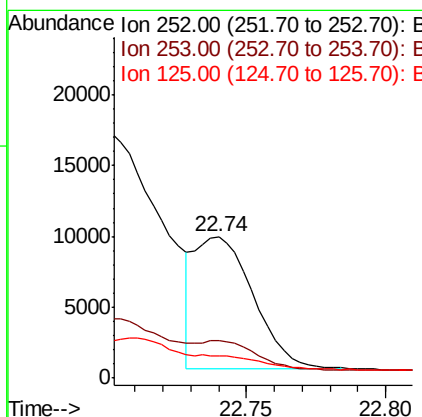
RT: 22.74 min Scan# 5219

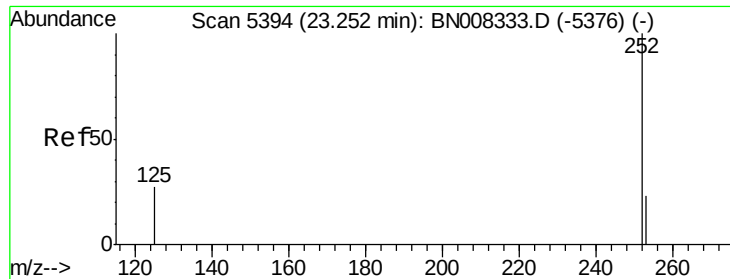
Delta R.T. -0.01 min

Lab File: BN008343.D

Acq: 23 Oct 2019 08:42

Tgt Ion:	252	Resp:	13508
Ion Ratio	Lower	Upper	
252	100		
253	26.8	21.3	31.9
125	16.1	12.3	18.5





#23

Benzo(a)pyrene

Concen: 0.817 ng/ul

RT: 23.25 min Scan# 5393

Delta R.T. -0.01 min

Lab File: BN008343.D

Acq: 23 Oct 2019 08:42

Instrument :

BNA_N

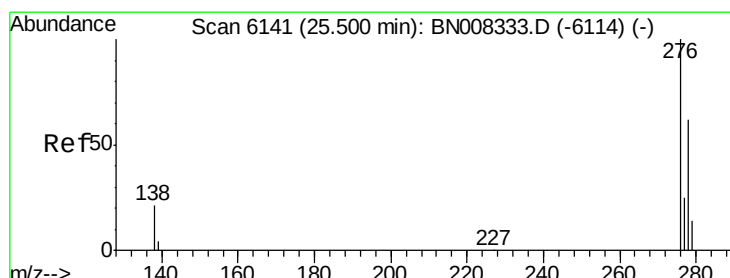
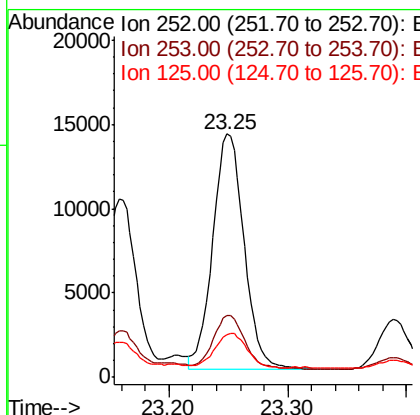
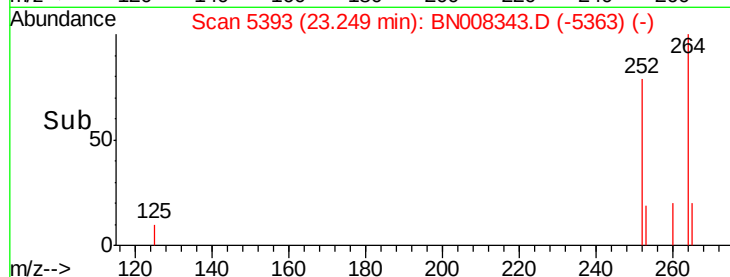
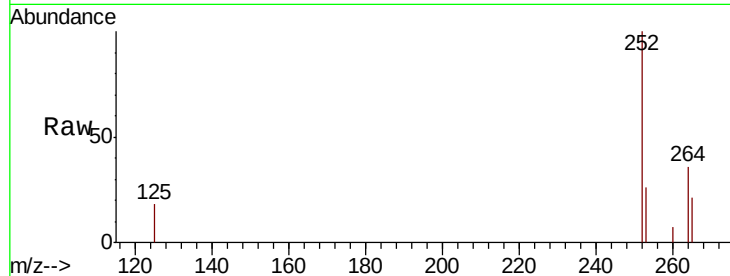
ClientSampleId :

BEPAS

Tot Ion:	252	Resp:	25670
Ion Ratio	Lower	Upper	
252	100		
253	25.5	22.8	34.2
125	17.7	18.4	27.6#

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.402 ng/ul

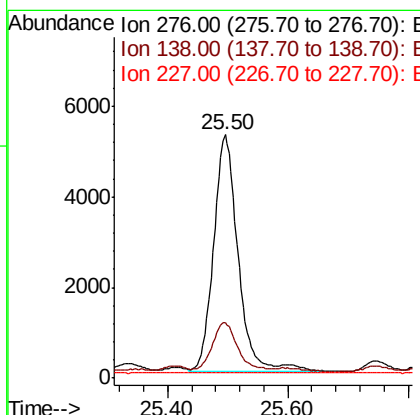
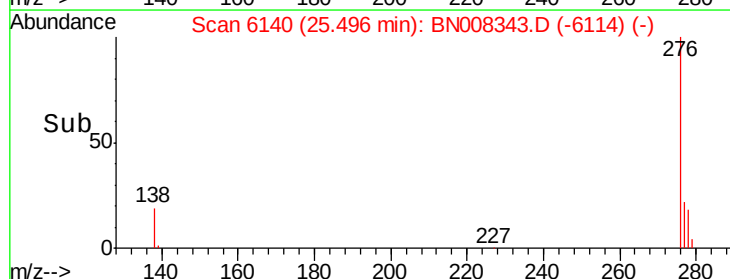
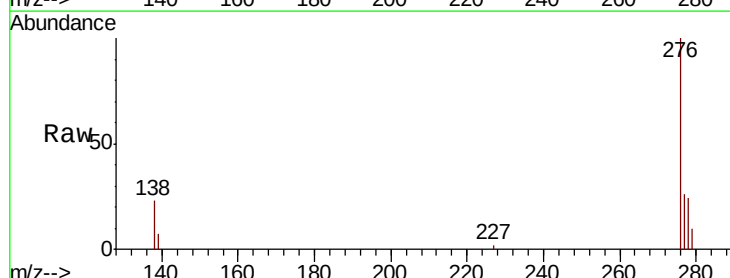
RT: 25.50 min Scan# 6140

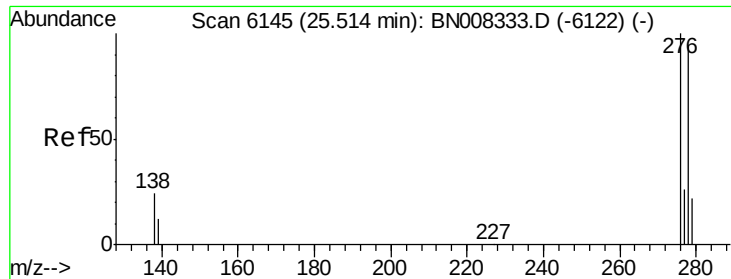
Delta R.T. -0.01 min

Lab File: BN008343.D

Acq: 23 Oct 2019 08:42

Tgt Ion:	276	Resp:	14878
Ion Ratio	Lower	Upper	
276	100		
138	19.8	16.1	24.1
227	0.1	0.2	0.2#





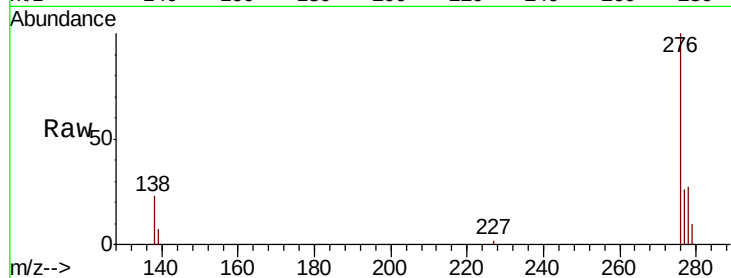
#25
Dibenzo(a,h)anthracene
Concen: 0.126 ng/ul
RT: 25.50 min Scan# 6142
Delta R.T. -0.02 min
Lab File: BN008343.D
Acq: 23 Oct 2019 08:42

Instrument :
BNA_N
ClientSampleId :
BEPa8

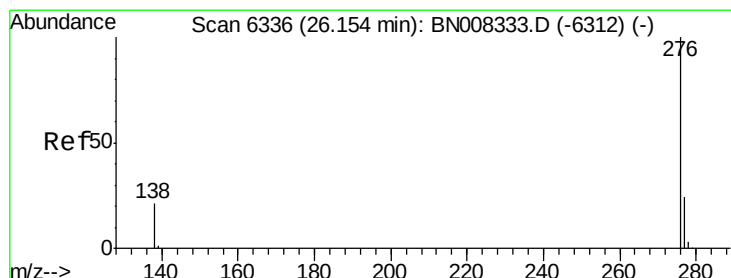
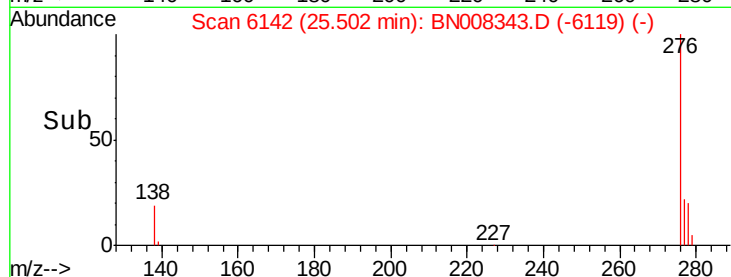
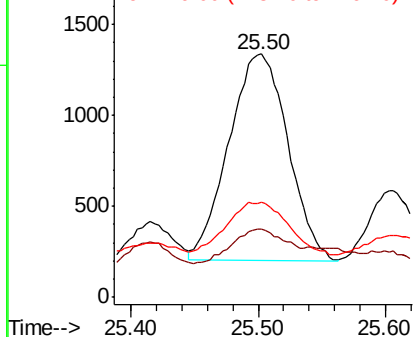
Tot Ion	Ratio	Lower	Upper
278	100		
139	27.8	15.0	22.6#
279	38.9	22.4	33.6#

Manual Integrations
APPROVED

mohammad
10/24/2019 8:06:21 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: 0.370 ng/ul
RT: 26.15 min Scan# 6336
Delta R.T. -0.01 min
Lab File: BN008343.D
Acq: 23 Oct 2019 08:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	17.0	25.4
277	25.8	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

