

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008340.D
 Acq On : 23 Oct 2019 06:55
 Operator : JU
 Sample : K5223-19
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPA7

Manual Integrations
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mohammad
 10/24/2019 8:06:13 AM

Quant Time: Oct 23 07:49:34 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	1779	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8546	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5253	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	11427m	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	10710	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	9085	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	3546	0.25	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	10617	0.27	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.39	128	1113	0.046	ng/ul#	83
5) 2-Methylnaphthalene	12.02	142	576	0.035	ng/ul	97
7) Acenaphthylene	13.93	152	3493	0.140	ng/ul	94
8) Acenaphthene	14.28	153	1112	0.057	ng/ul	98
9) Fluorene	15.27	166	1454	0.066	ng/ul#	95
12) Phenanthrene	17.00	178	35757	1.069	ng/ul	99
13) Anthracene	17.10	178	6647	0.226	ng/ul	99
15) Fluoranthene	19.03	202	78470	1.776	ng/ul	99
17) Pyrene	19.40	202	85008	1.993	ng/ul	98
18) Benzo(a)anthracene	21.15	228	49150	1.262	ng/ul	97
19) Chrysene	21.21	228	53278	1.115	ng/ul	99
21) Benzo(b)fluoranthene	22.70	252	47565m	1.608	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	17211m	0.514	ng/ul	
23) Benzo(a)pyrene	23.25	252	34229	1.100	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.49	276	17687	0.483	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.50	278	4867	0.168	ng/ul#	85
26) Benzo(a,h,i)perylene	26.15	276	14563	0.433	ng/ul	97

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

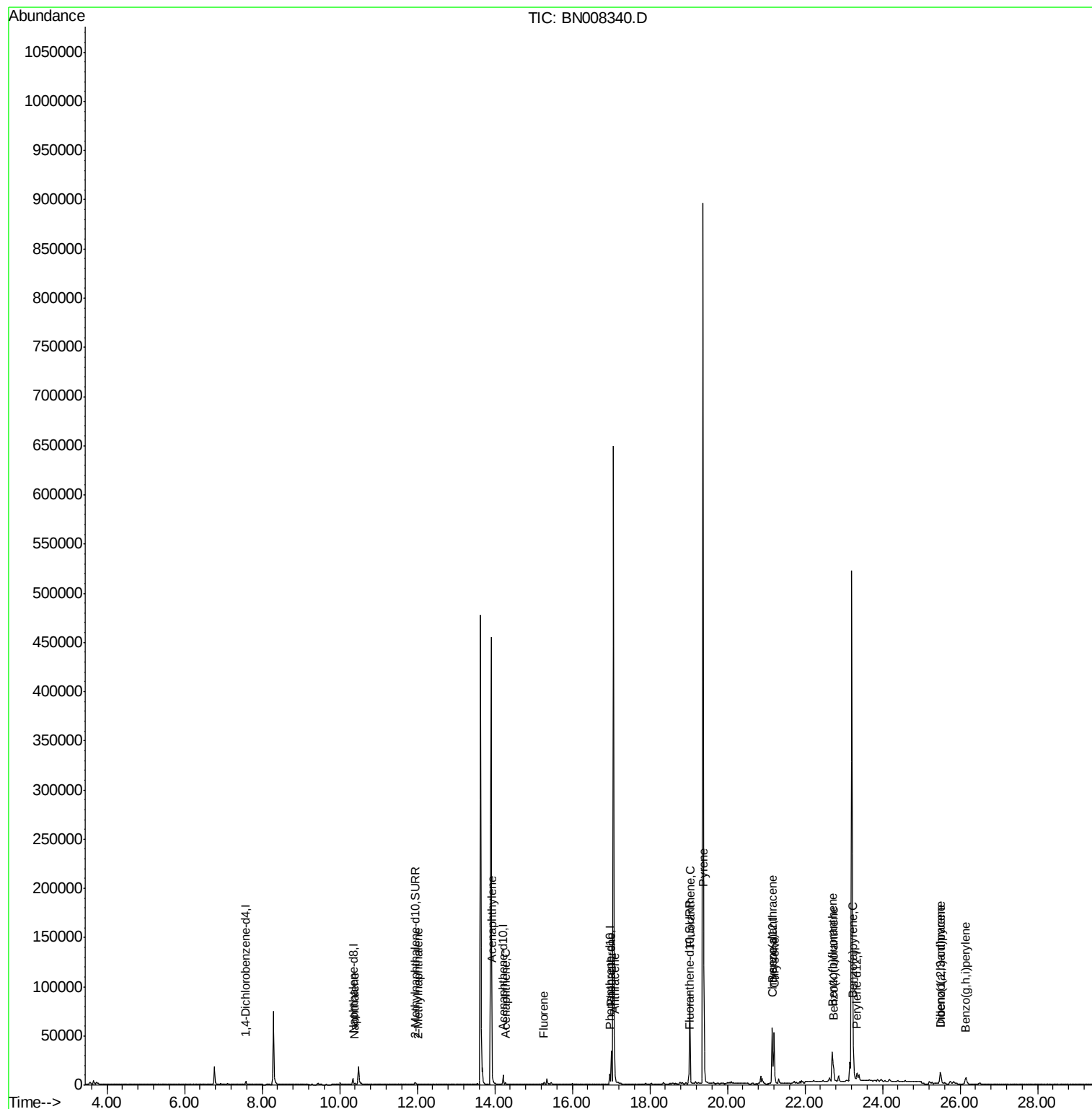
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008340.D
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ALS Vial : 34 Sample Multiplier: 1

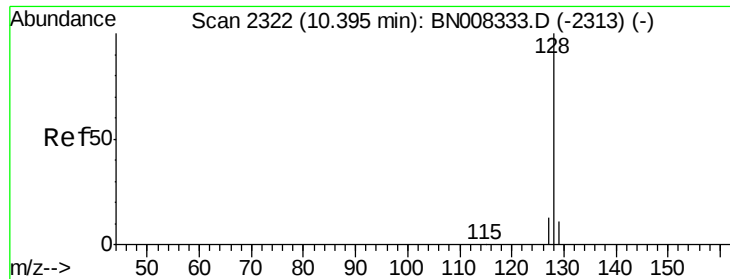
Instrument :
BNA_N
ClientSampleId :
BEP A7

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Quant Time: Oct 23 07:49:34 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





#3

Naphthalene

Concen: 0.046 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

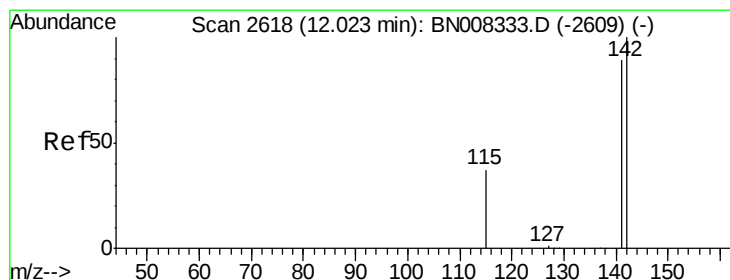
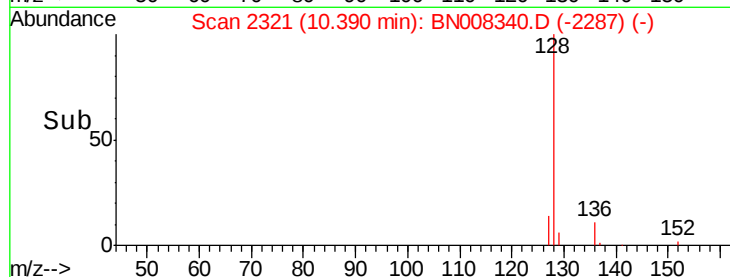
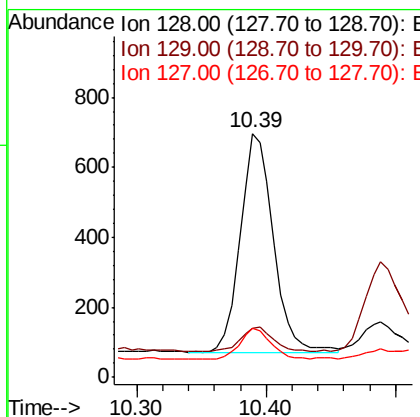
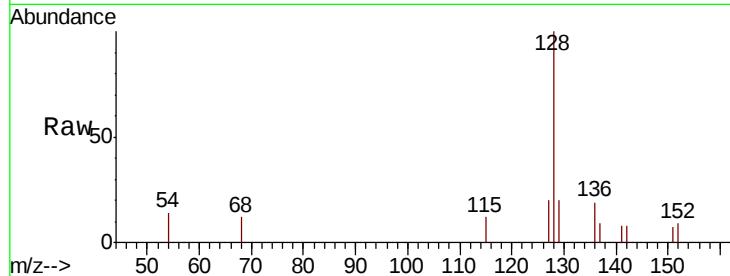
ClientSampleId :

BEPA7

Tot Ion:	128	Resp:	1113
Ion Ratio	Lower	Upper	
128	100		
129	20.0	9.8	14.8#
127	20.0	11.1	16.7#

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#5

2-Methylnaphthalene

Concen: 0.035 ng/ul

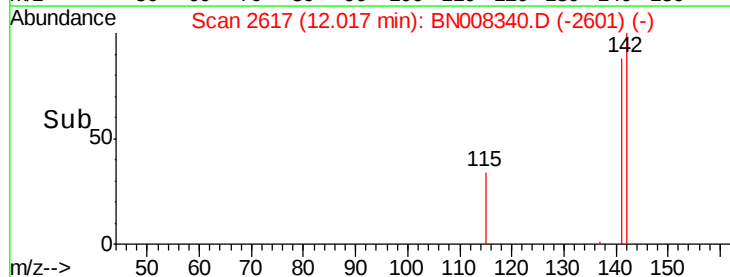
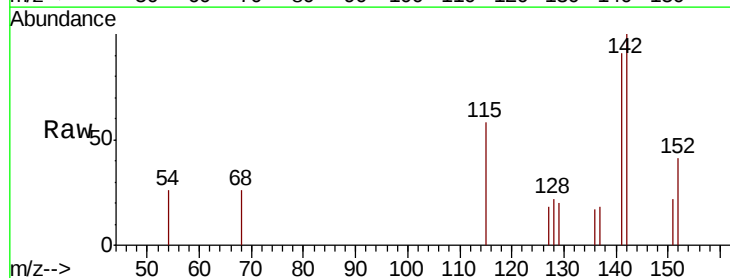
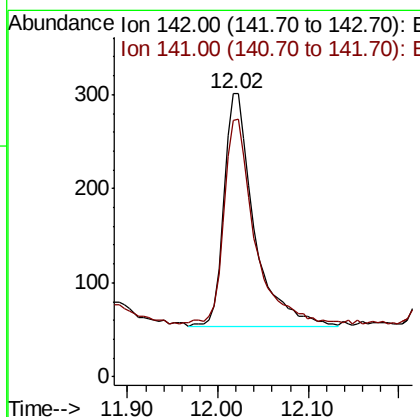
RT: 12.02 min Scan# 2617

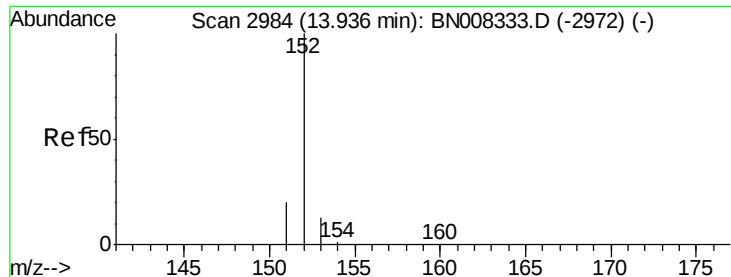
Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Tgt Ion:	142	Resp:	576
Ion Ratio	Lower	Upper	
142	100		
141	86.8	71.4	107.2





#7

Acenaphthylene

Concen: 0.140 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

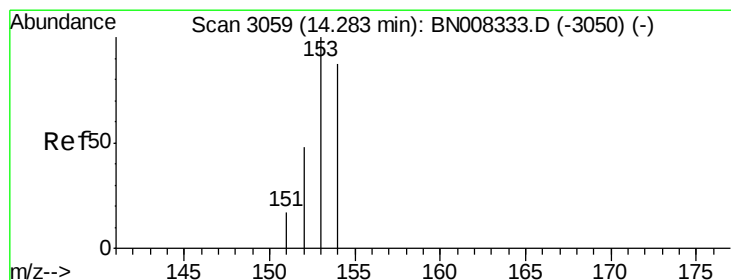
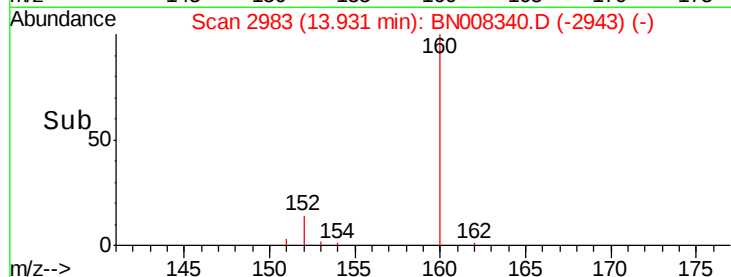
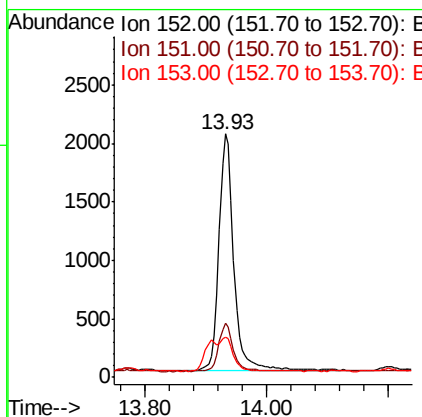
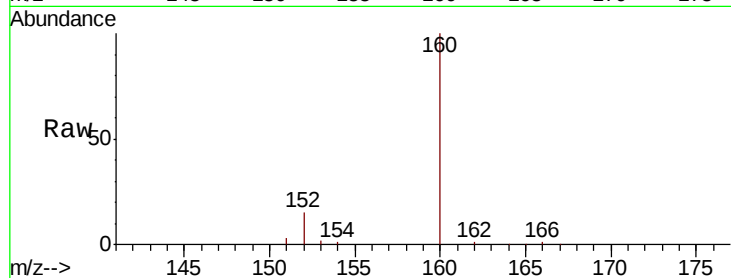
ClientSampleId :

BEPA7

Tot Ion:	152	Resp:	3493
Ion Ratio	Lower	Upper	
152	100		
151	22.5	16.2	24.4
153	16.4	11.0	16.4

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#8

Acenaphthene

Concen: 0.057 ng/ul

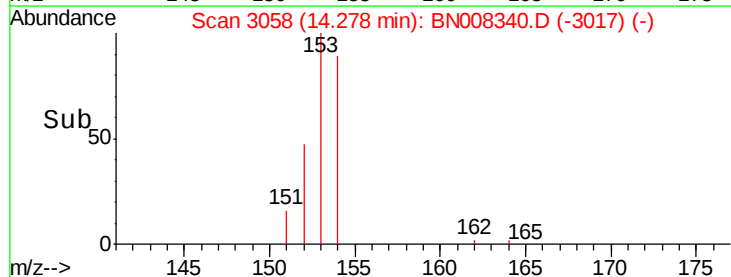
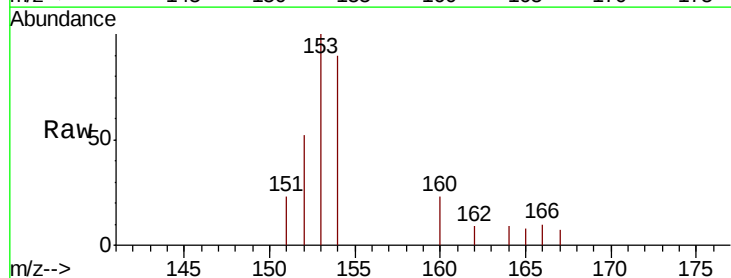
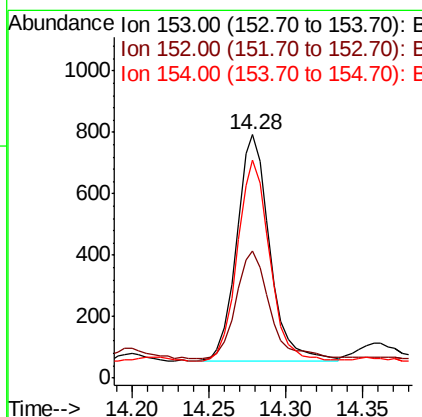
RT: 14.28 min Scan# 3058

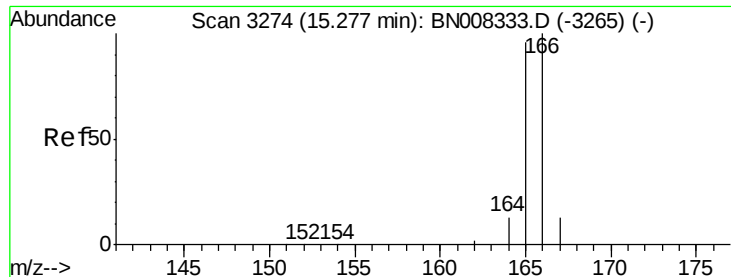
Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Tgt Ion:	153	Resp:	1112
Ion Ratio	Lower	Upper	
153	100		
152	52.0	38.2	57.2
154	89.5	71.8	107.8





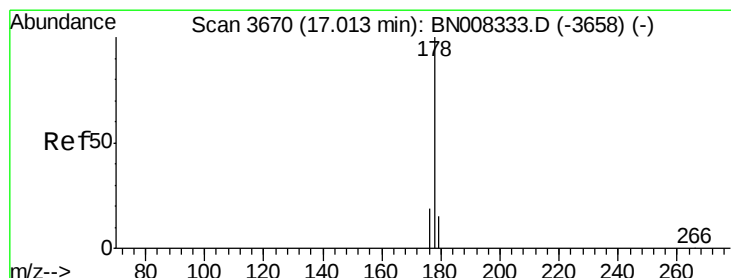
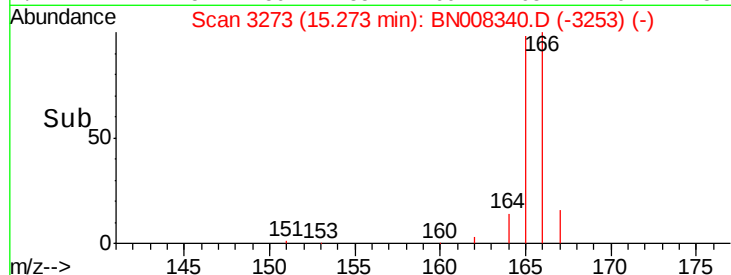
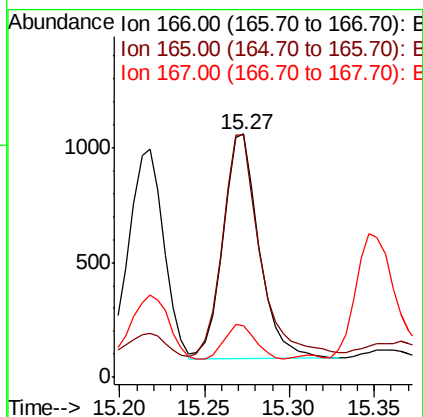
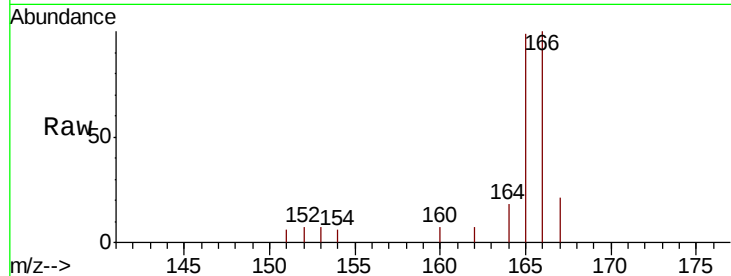
#9
Fluorene
 Concen: 0.066 ng/ul
 RT: 15.27 min Scan# 3273
 Delta R.T. -0.01 min
 Lab File: BN008340.D
 Acq: 23 Oct 2019 06:55

Instrument :
 BNA_N
 ClientSampleId :
 BEPA7

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	76.6	115.0
167	21.2	11.7	17.5

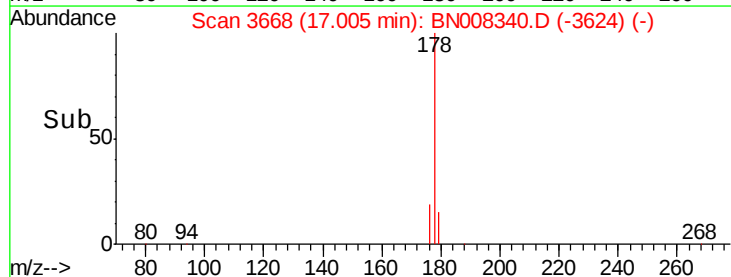
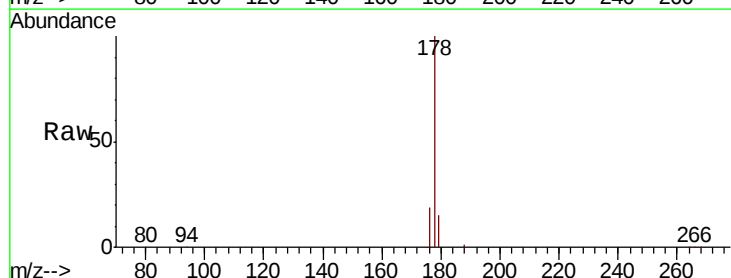
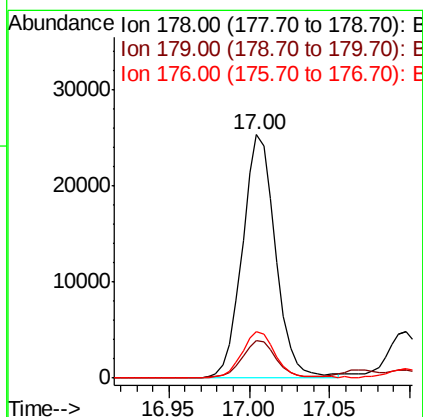
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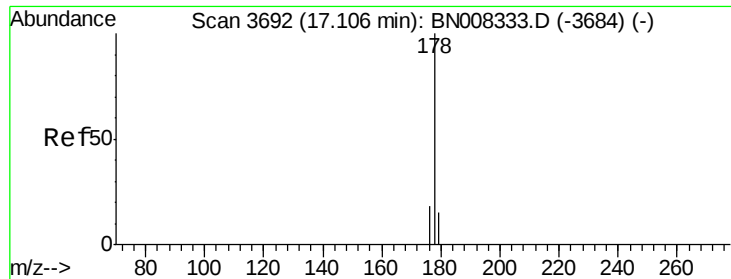
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#12
Phenanthrene
 Concen: 1.069 ng/ul
 RT: 17.00 min Scan# 3668
 Delta R.T. -0.01 min
 Lab File: BN008340.D
 Acq: 23 Oct 2019 06:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.8	19.2
176	18.9	15.4	23.2





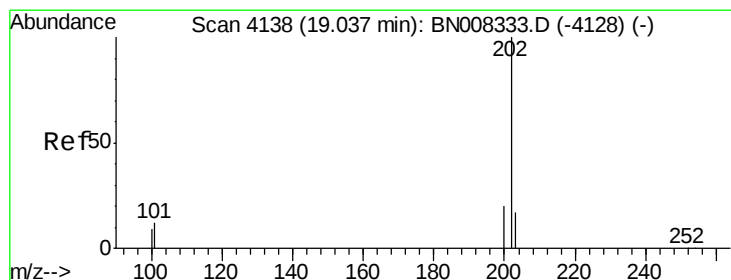
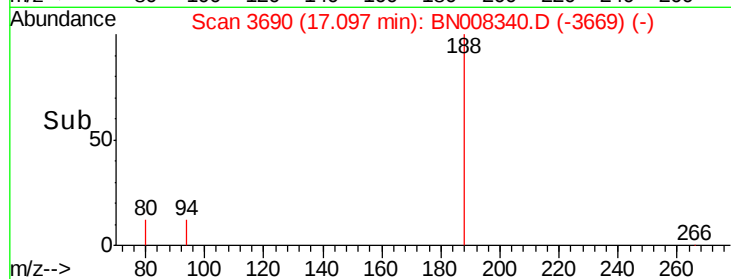
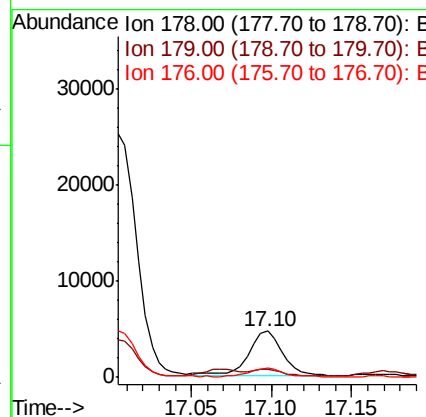
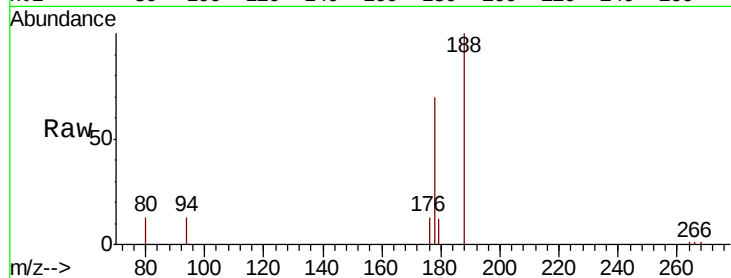
#13
 Anthracene
 Concen: 0.226 ng/ul
 RT: 17.10 min Scan# 3690
 Delta R.T. -0.01 min
 Lab File: BN008340.D
 Acq: 23 Oct 2019 06:55

Instrument :
 BNA_N
 ClientSampleId :
 BEPA7

Tot Ion:178 Resp: 6647
 Ion Ratio Lower Upper
 178 100
 179 17.4 13.0 19.6
 176 19.0 15.0 22.6

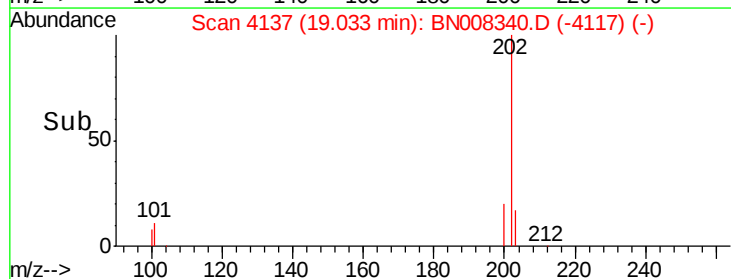
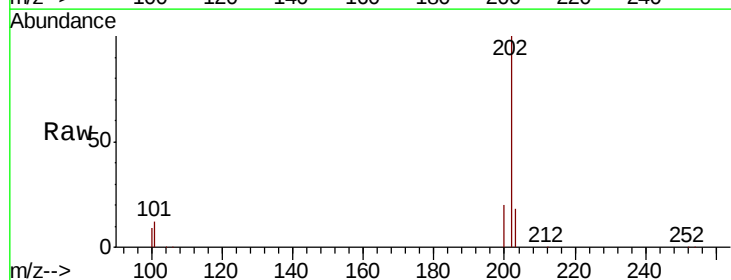
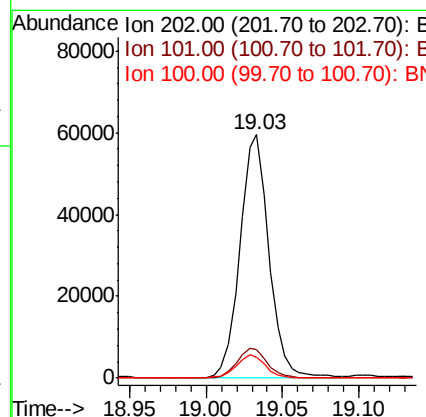
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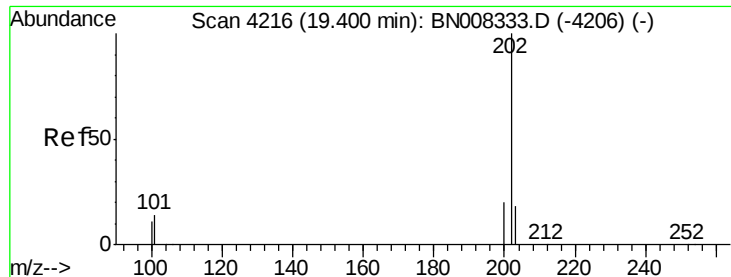
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#15
 Fluoranthene
 Concen: 1.776 ng/ul
 RT: 19.03 min Scan# 4137
 Delta R.T. -0.01 min
 Lab File: BN008340.D
 Acq: 23 Oct 2019 06:55

Tgt Ion:202 Resp: 78470
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 31.2
 100 8.6 0.0 28.5





#17

Pvrene

Concen: 1.993 ng/ul

RT: 19.40 min Scan# 4215

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

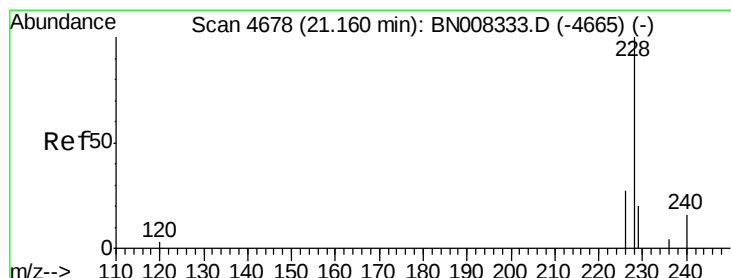
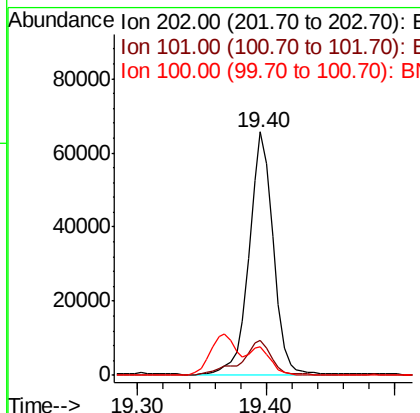
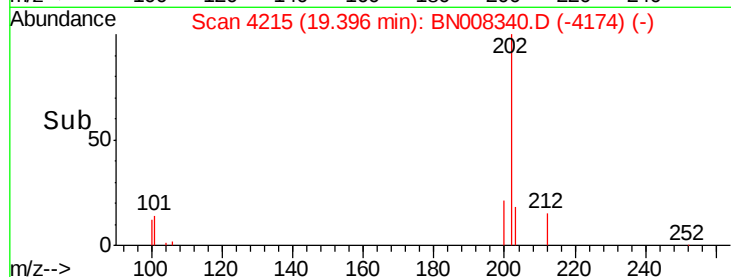
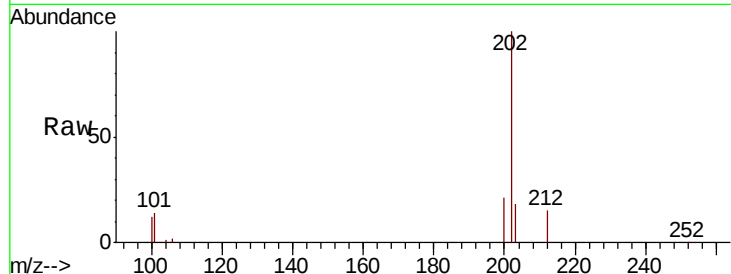
ClientSampleId :

BEPA7

Tot Ion:	202	Resp:	85008
Ion Ratio	Lower	Upper	
202	100		
101	14.3	10.9	16.3
100	11.9	8.7	13.1

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#18

Benzo(a)anthracene

Concen: 1.262 ng/ul

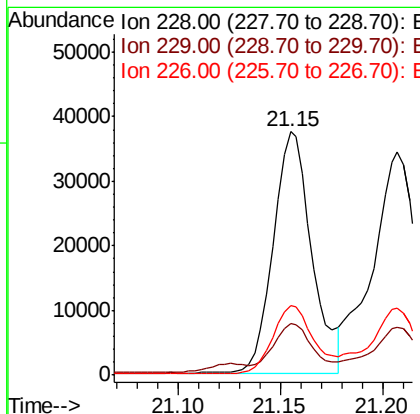
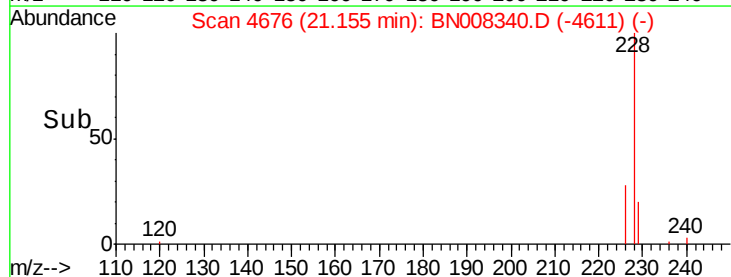
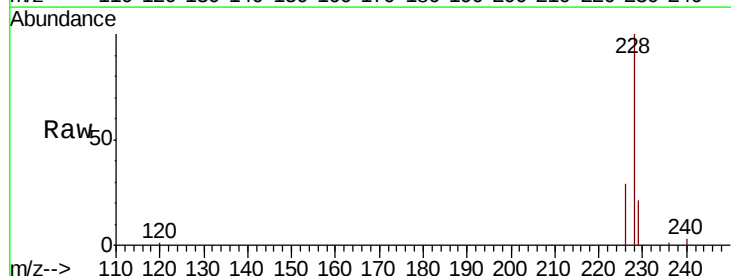
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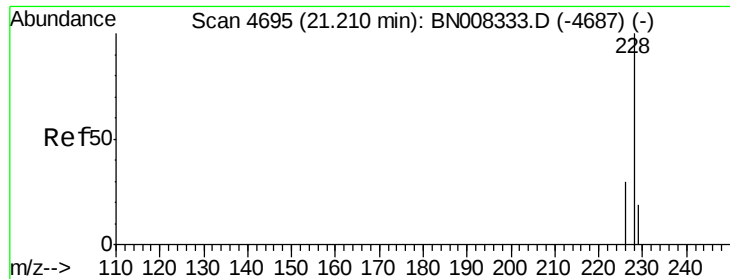
Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Tgt Ion:	228	Resp:	49150
Ion Ratio	Lower	Upper	
228	100		
229	21.1	16.2	24.2
226	28.5	21.4	32.0





#19

Chrysene

Concen: 1.115 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

ClientSampleId :

BEPA7

Tot Ion:228 Resp: 53278

Ion Ratio Lower Upper

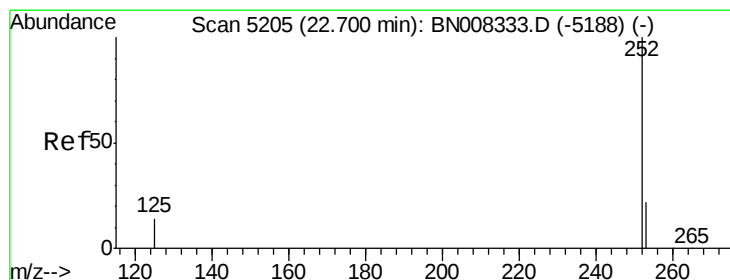
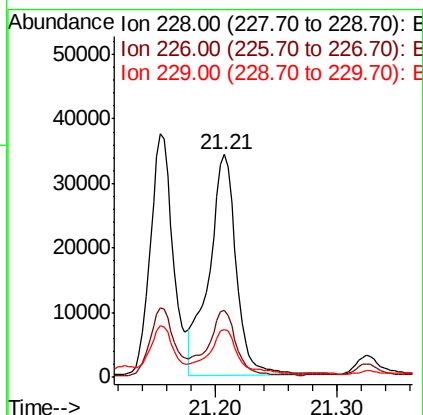
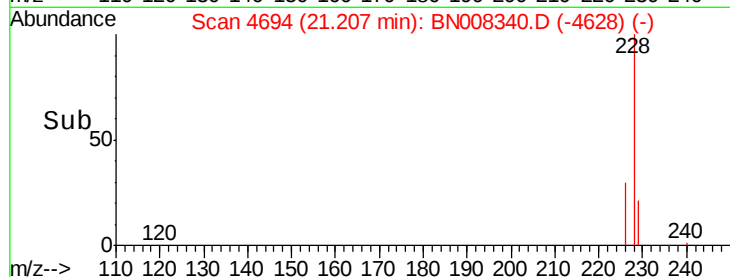
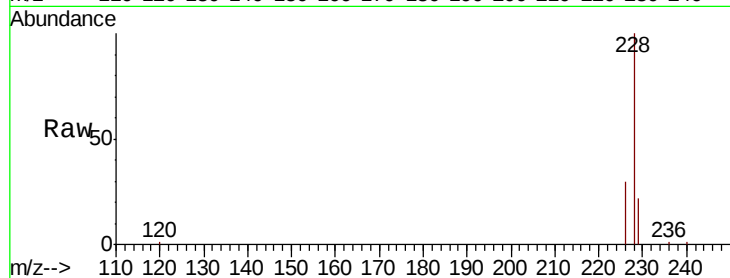
228 100

226 30.1 24.1 36.1

229 21.7 16.2 24.2

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#21

Benzo(b)fluoranthene

Concen: 1.608 ng/ul m

RT: 22.70 min Scan# 5205

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

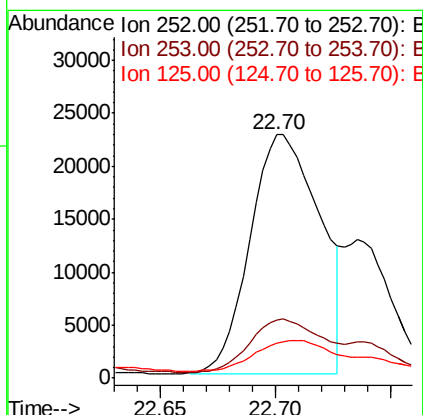
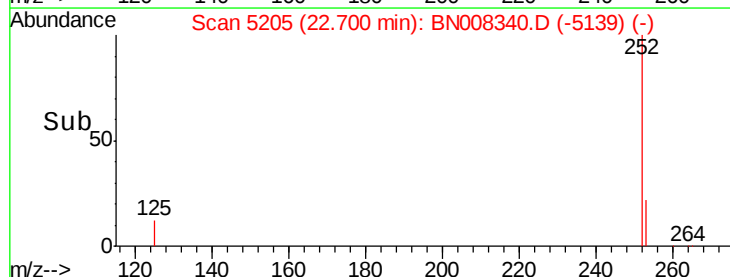
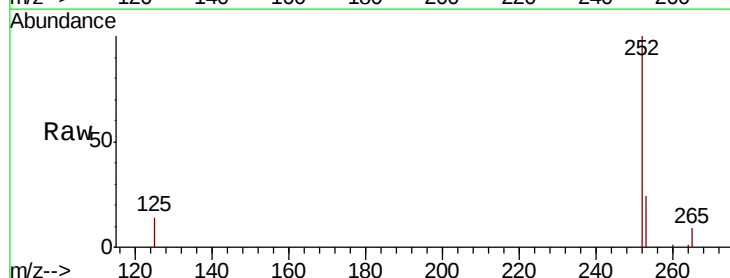
Tgt Ion:252 Resp: 47565

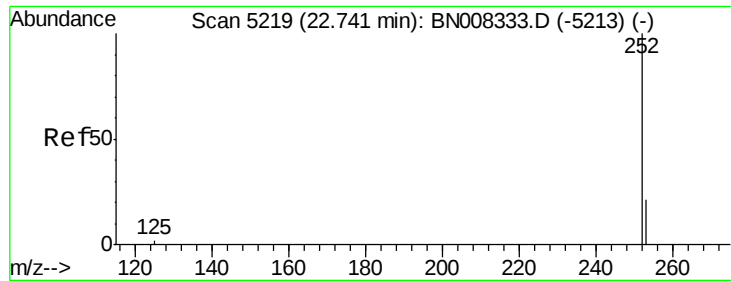
Ion Ratio Lower Upper

252 100

253 24.1 0.0 53.4

125 14.4 0.0 32.4





#22

Benzo(k)fluoranthene

Concen: 0.514 ng/ul m

RT: 22.74 min Scan# 5217

Delta R.T. -0.02 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

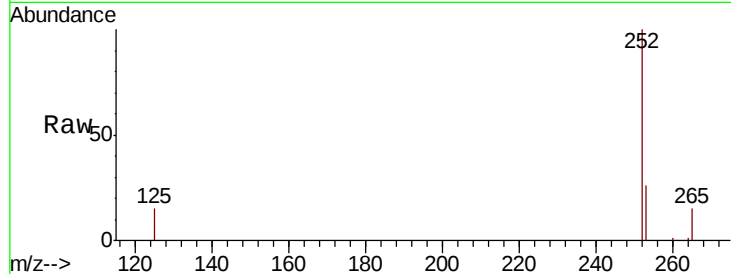
ClientSampleId :

BEPA7

Tot Ion:	252	Resp:	17211
Ion Ratio	Lower	Upper	
252	100		
253	26.1	21.3	31.9
125	15.5	12.3	18.5

Manual Integrations
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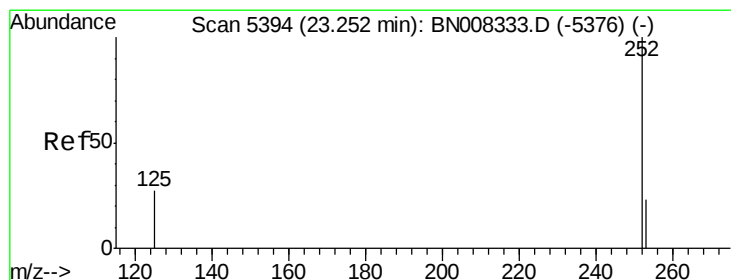
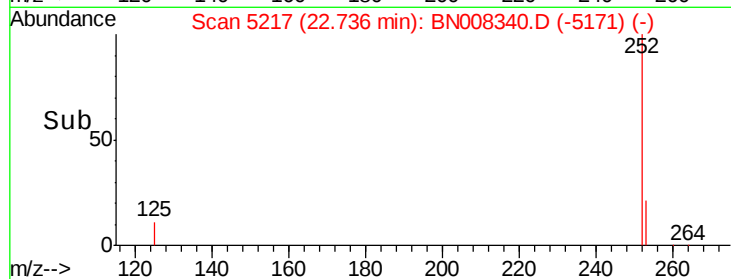
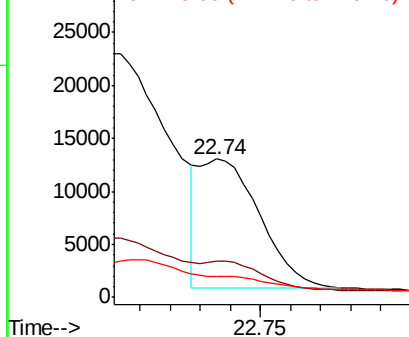


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 1.100 ng/ul

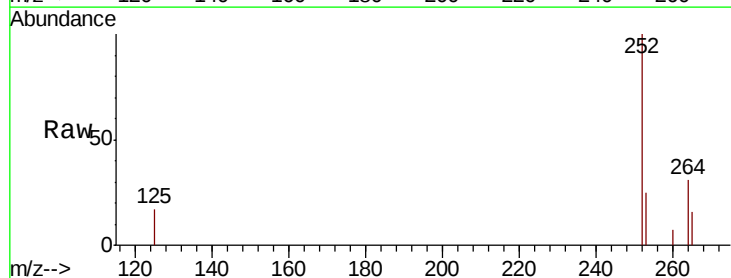
RT: 23.25 min Scan# 5393

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Tgt Ion:	252	Resp:	34229
Ion Ratio	Lower	Upper	
252	100		
253	24.5	22.8	34.2
125	16.7	18.4	27.6#

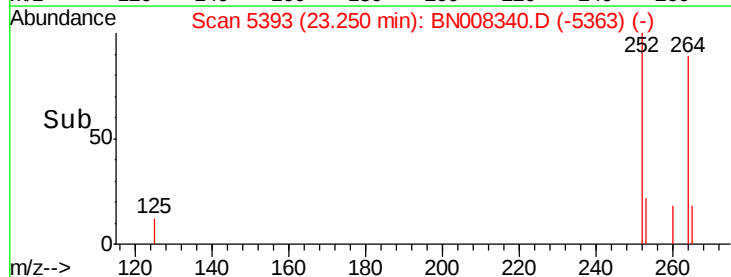
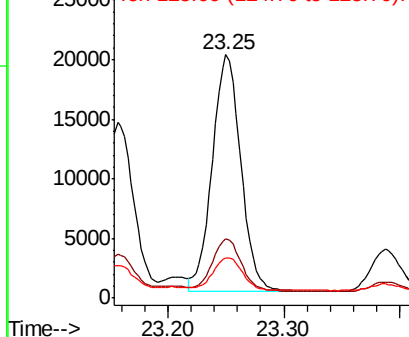


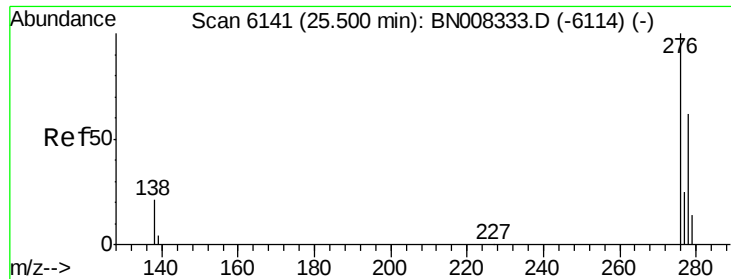
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





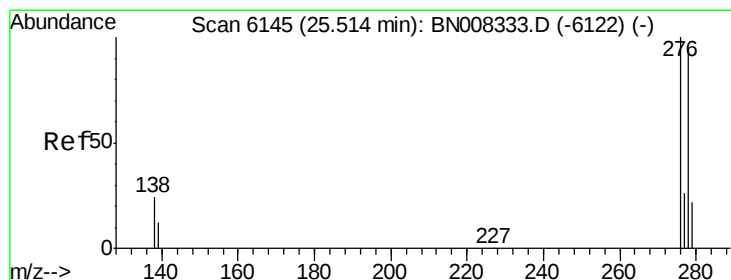
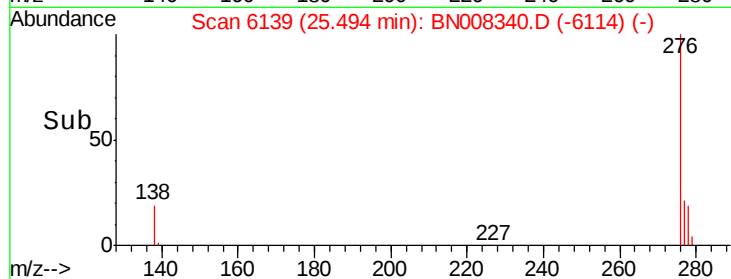
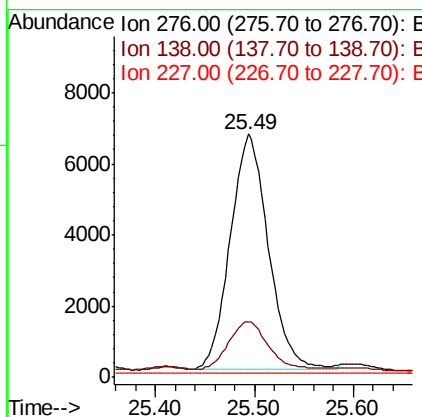
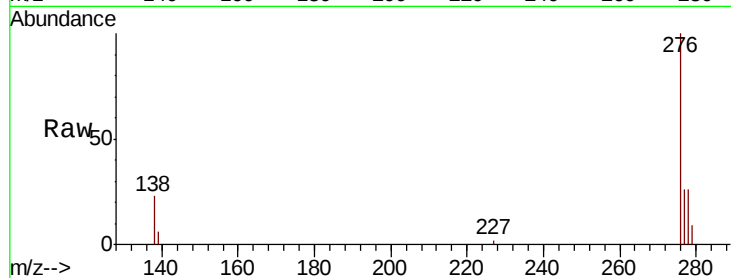
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.483 ng/ul
 RT: 25.49 min Scan# 6139
 Delta R.T. -0.02 min
 Lab File: BN008340.D
 Acq: 23 Oct 2019 06:55

Instrument :
 BNA_N
 ClientSampleId :
 BEPA7

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	16.1	24.1#
227	0.2	0.2	0.2#

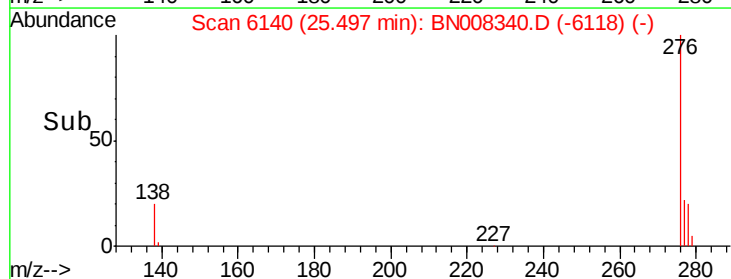
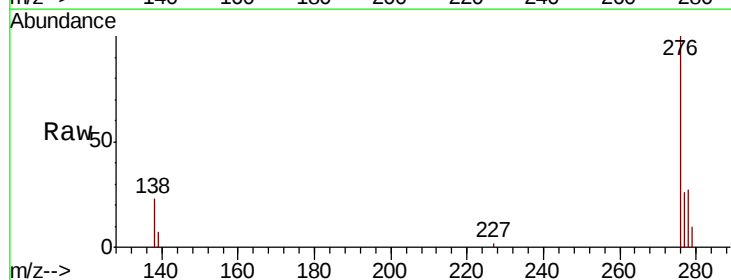
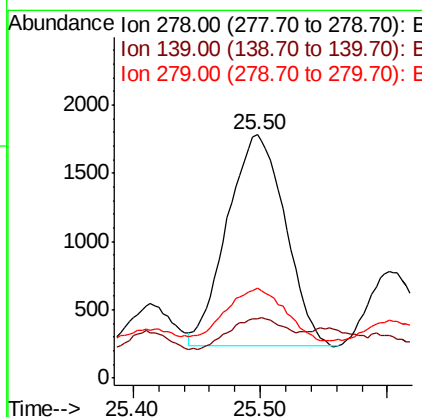
Manual Integrations
 APPROVED

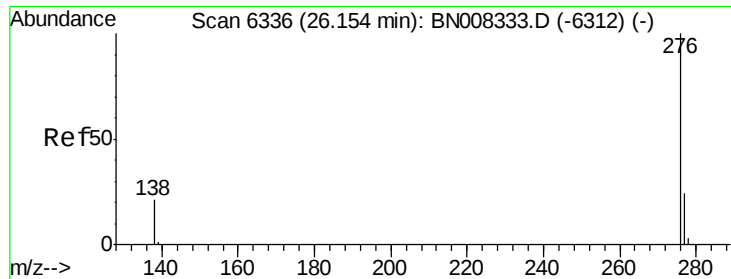
mohammad
 10/24/2019 8:06:13 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.168 ng/ul
 RT: 25.50 min Scan# 6140
 Delta R.T. -0.03 min
 Lab File: BN008340.D
 Acq: 23 Oct 2019 06:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.5	15.0	22.6#
279	36.8	22.4	33.6#





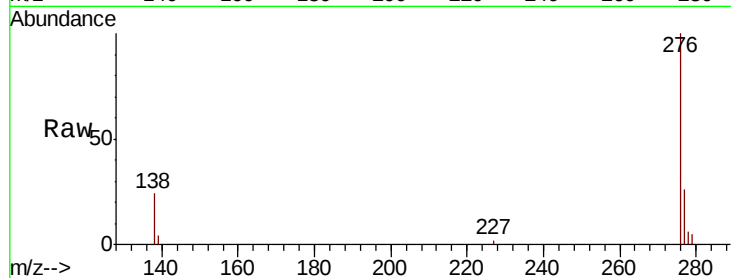
#26
 Benzo(a,h,i)perylene
 Concen: 0.433 ng/ul
 RT: 26.15 min Scan# 6334
 Delta R.T. -0.02 min
 Lab File: BN008340.D
 Acq: 23 Oct 2019 06:55

Instrument :
 BNA_N
 ClientSampleId :
 BEPA7

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	17.0	25.4
277	26.2	20.4	30.6

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:06:13 AM



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

