

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120219\
 Data File : BN008816.D
 Acq On : 02 Dec 2019 16:06
 Operator : JU
 Sample : K5851-04DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA2DL

Manual Integrations
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Quant Time: Dec 02 16:43:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 02 12:46:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	5460	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	22508	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	12626	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	25658	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	19072	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	16765	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.94	152	1366	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	3406	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	7615	0.112	ng/ul	99
5) 2-Methylnaphthalene	12.01	142	6251	0.132	ng/ul	100
7) Acenaphthylene	13.93	152	15666	0.224	ng/ul	98
8) Acenaphthene	14.27	153	15864	0.306	ng/ul	100
9) Fluorene	15.27	166	20485	0.337	ng/ul	98
12) Phenanthrene	17.00	178	466779	5.394	ng/ul	99
13) Anthracene	17.09	178	60825	0.744	ng/ul	99
15) Fluoranthene	19.02	202	686173	6.454	ng/ul	100
17) Pyrene	19.39	202	535636	7.000	ng/ul	99
18) Benzo(a)anthracene	21.15	228	219824	2.866	ng/ul	98
19) Chrysene	21.20	228	234967	3.119	ng/ul	98
21) Benzo(b)fluoranthene	22.69	252	254652m	3.684	ng/ul	
22) Benzo(k)fluoranthene	22.72	252	88456m	1.290	ng/ul	
23) Benzo(a)pyrene	23.23	252	157079	2.421	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.45	276	97625	1.286	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.46	278	23708	0.387	ng/ul#	85
26) Benzo(a,h,i)perylene	26.10	276	93873	1.479	ng/ul	98

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

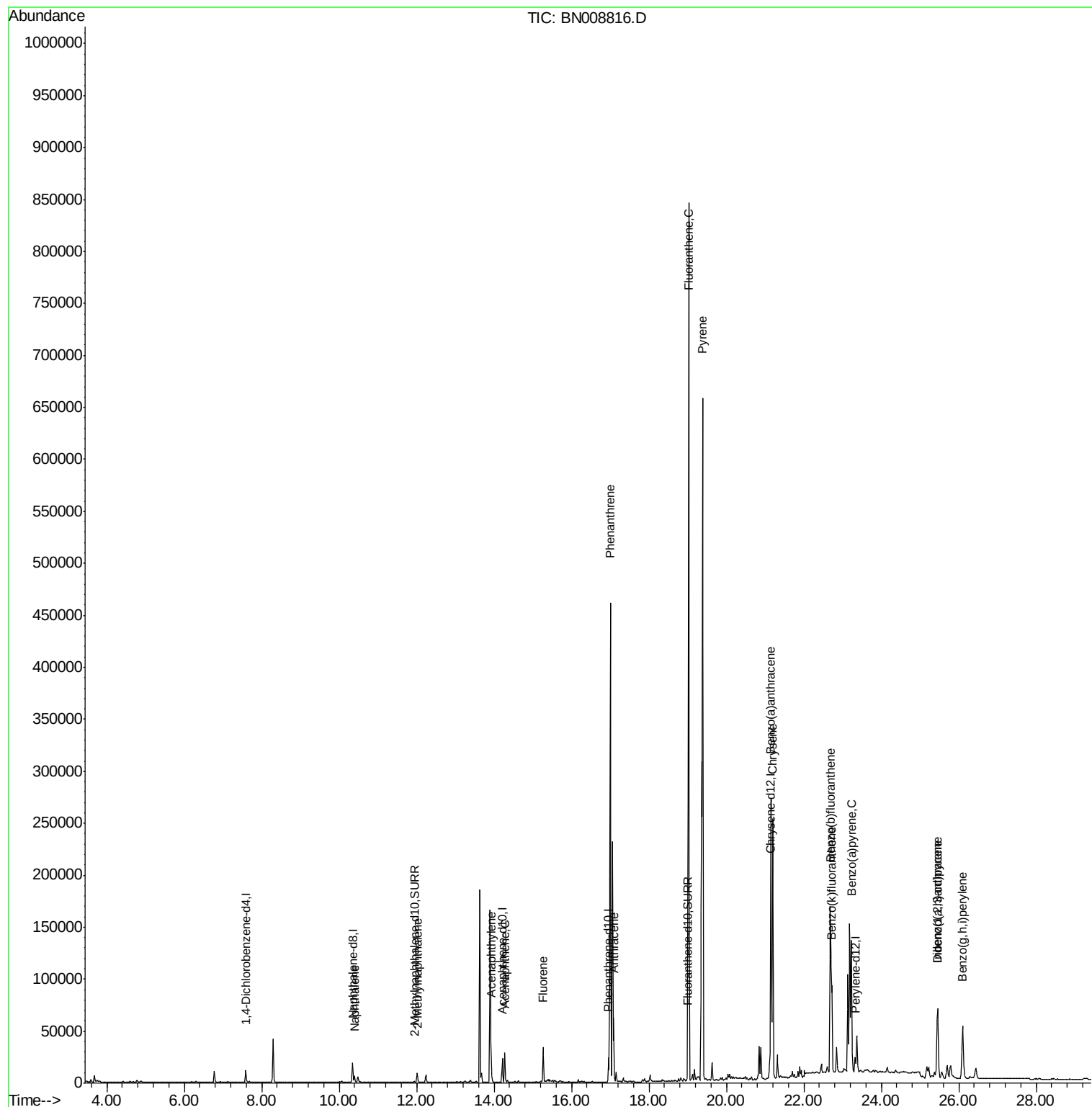
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120219\
Data File : BN008816.D
Acq On : 02 Dec 2019 16:06
Operator : JU
Sample : K5851-04DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

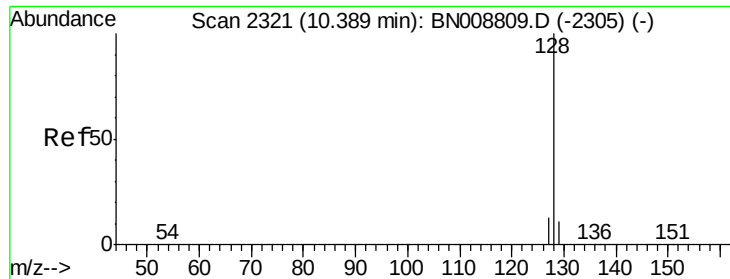
Instrument :
BNA_N
ClientSampleId :
C0AA2DL

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Quant Time: Dec 02 16:43:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 02 12:46:36 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.112 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. 0.01 min

Lab File: BN008816.D

Acq: 02 Dec 2019 16:06

Instrument :

BNA_N

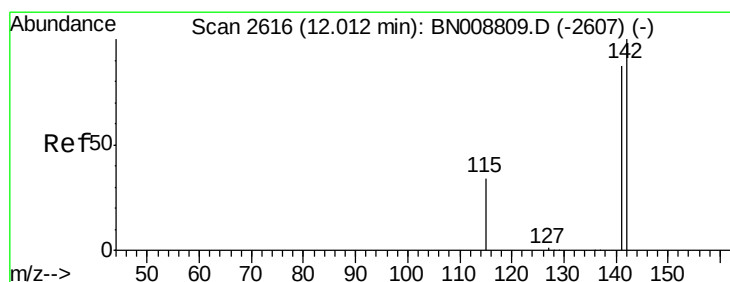
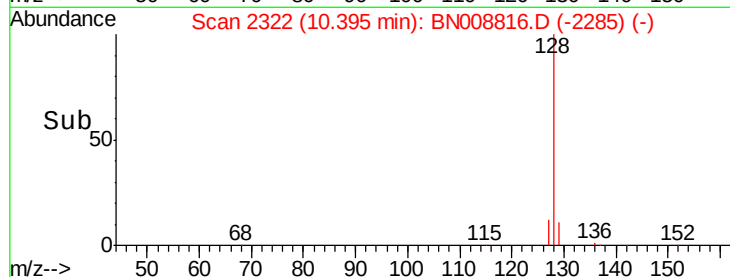
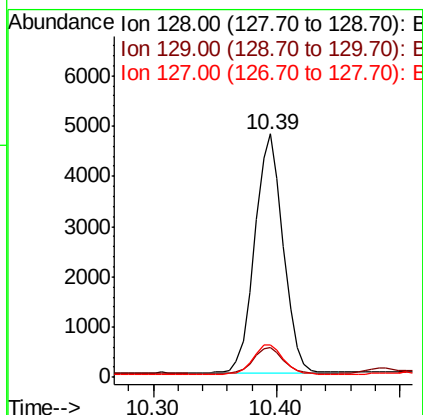
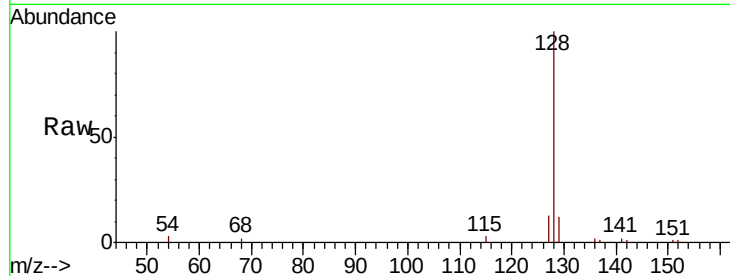
ClientSampleId :

C0AA2DL

Tot Ion:	128	Resp:	7615
Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.1	13.7
127	13.4	10.7	16.1

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#5

2-Methylnaphthalene

Concen: 0.132 ng/ul

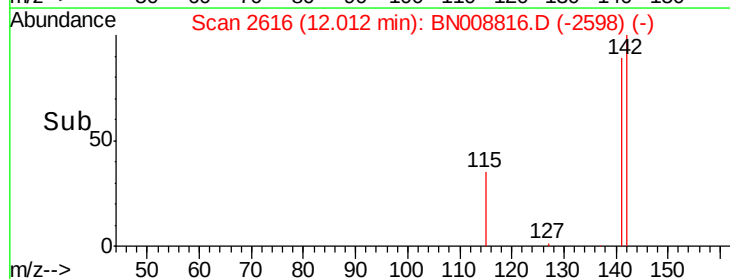
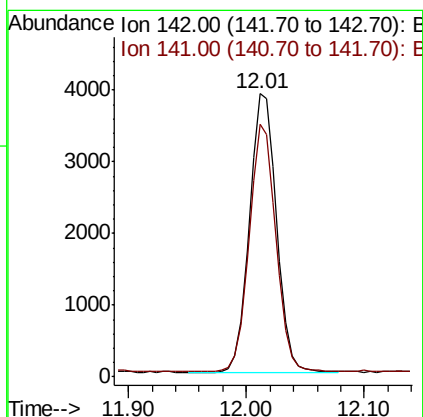
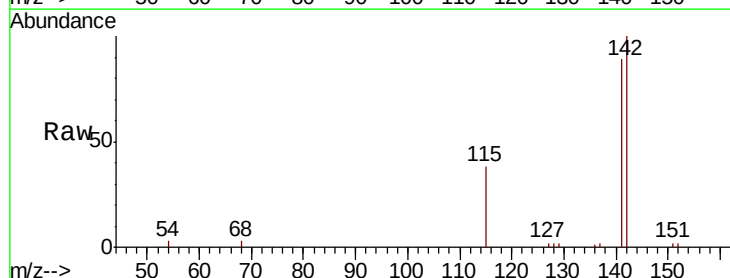
RT: 12.01 min Scan# 2616

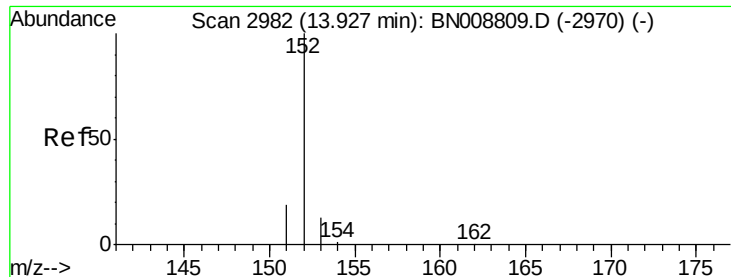
Delta R.T. 0.00 min

Lab File: BN008816.D

Acq: 02 Dec 2019 16:06

Tgt Ion:	142	Resp:	6251
Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.1	105.1





#7

Acenaphthylene

Concen: 0.224 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BN008816.D

Acq: 02 Dec 2019 16:06

Instrument :

BNA_N

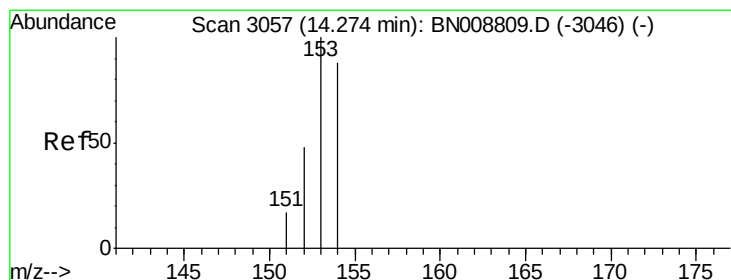
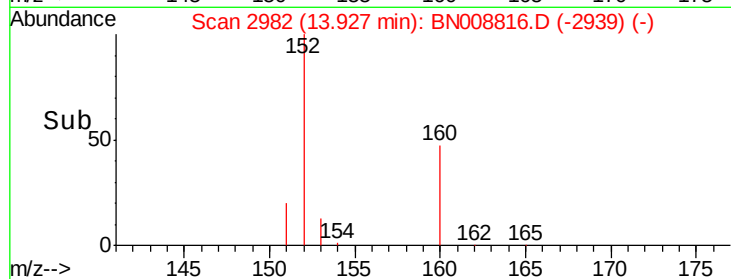
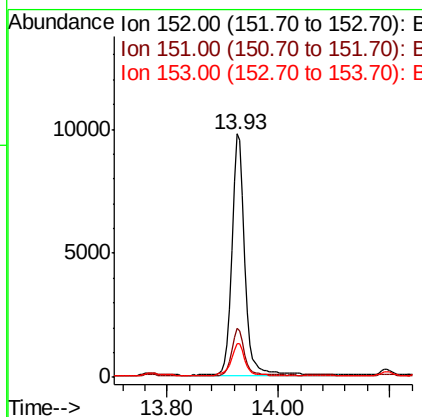
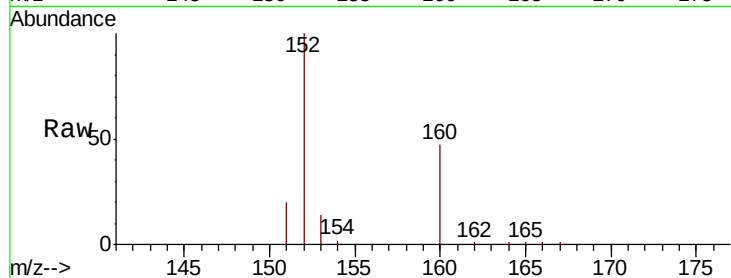
ClientSampled :

C0AA2DL

Tot Ion:	152	Resp:	15666
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.8	23.6
153	14.1	10.6	15.8

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#8

Acenaphthene

Concen: 0.306 ng/ul

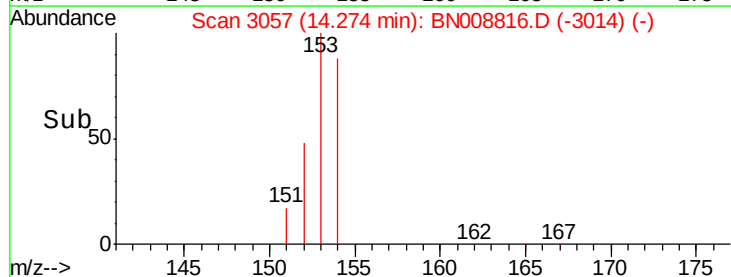
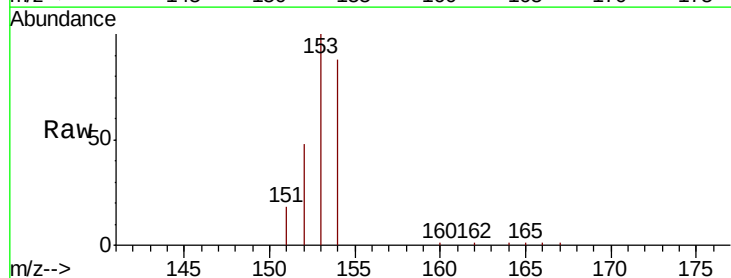
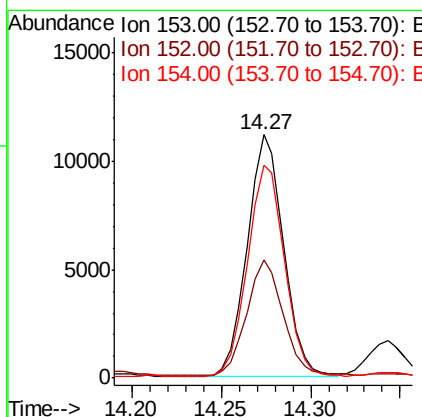
RT: 14.27 min Scan# 3057

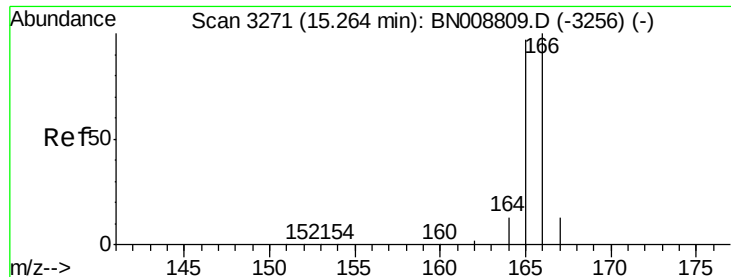
Delta R.T. 0.00 min

Lab File: BN008816.D

Acq: 02 Dec 2019 16:06

Tgt Ion:	153	Resp:	15864
Ion Ratio	Lower	Upper	
153	100		
152	48.5	38.6	58.0
154	87.7	70.6	105.8





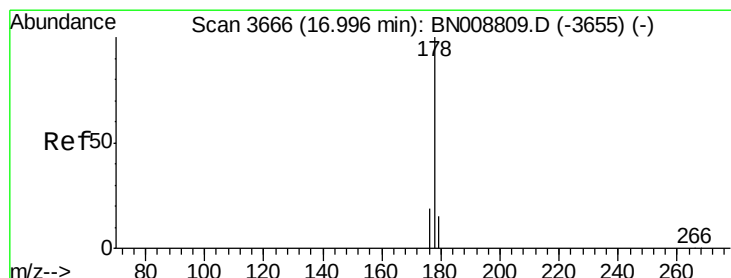
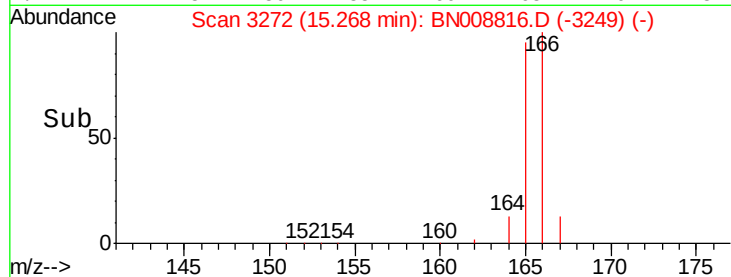
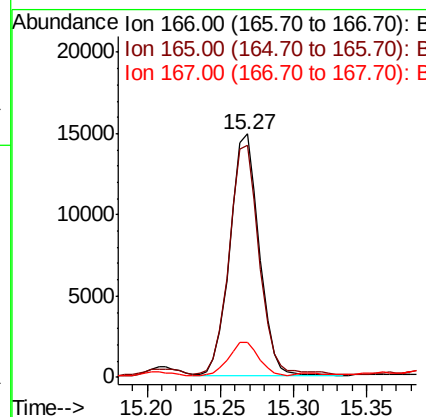
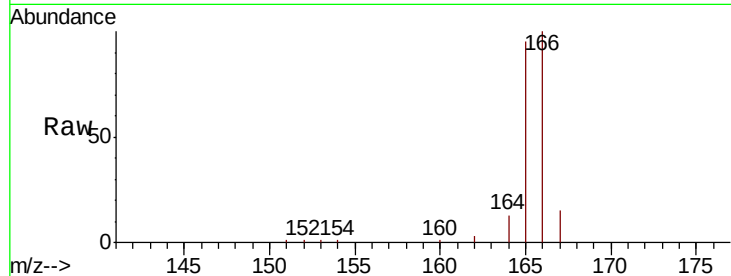
#9
Fluorene
 Concen: 0.337 ng/ul
 RT: 15.27 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: BN008816.D
 Acq: 02 Dec 2019 16:06

Instrument :
 BNA_N
 ClientSampleId :
 C0AA2DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.4	77.7	116.5
167	14.5	11.1	16.7

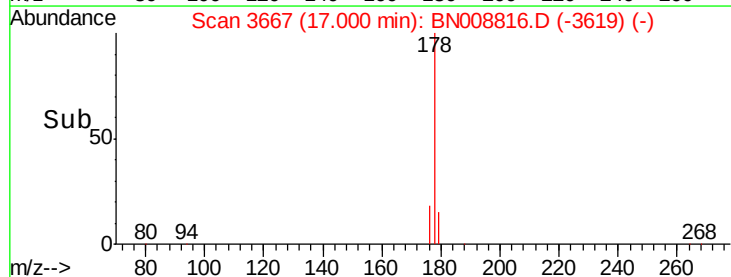
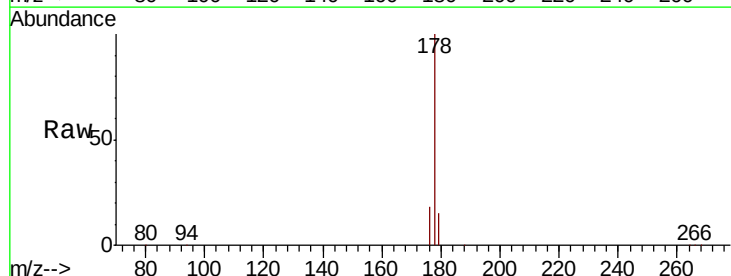
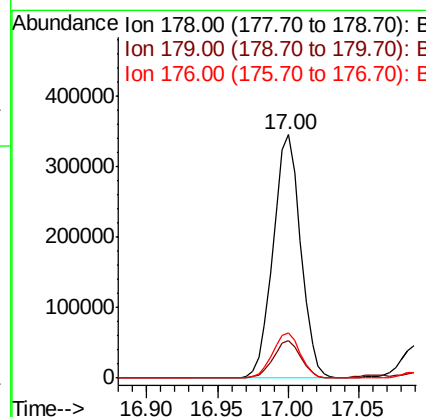
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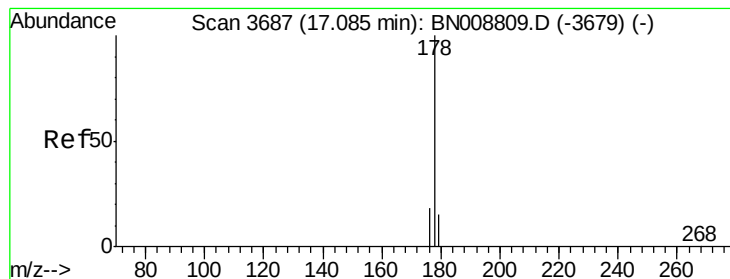
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#12
Phenanthrene
 Concen: 5.394 ng/ul
 RT: 17.00 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: BN008816.D
 Acq: 02 Dec 2019 16:06

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	18.8
176	18.4	15.3	22.9





#13

Anthracene

Concen: 0.744 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. 0.00 min

Lab File: BN008816.D

Acq: 02 Dec 2019 16:06

Instrument :

BNA_N

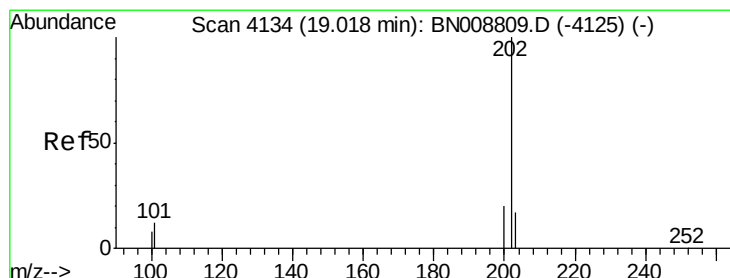
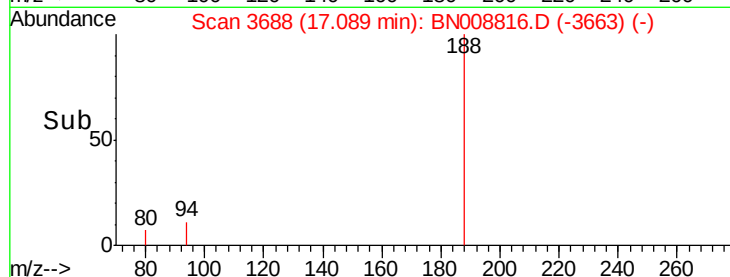
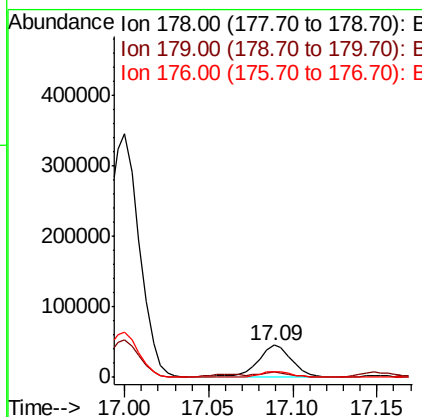
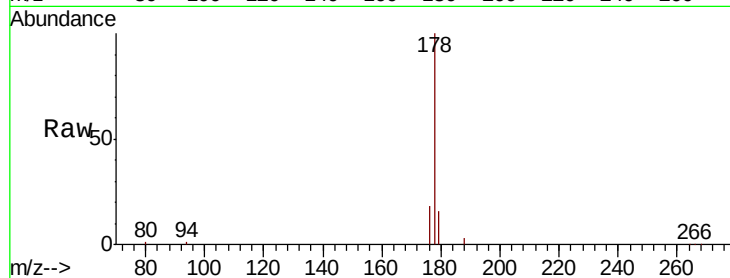
ClientSampleId :

C0AA2DL

Tot Ion:	178	Resp:	60825
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.2	18.4
176	18.2	14.7	22.1

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#15

Fluoranthene

Concen: 6.454 ng/ul

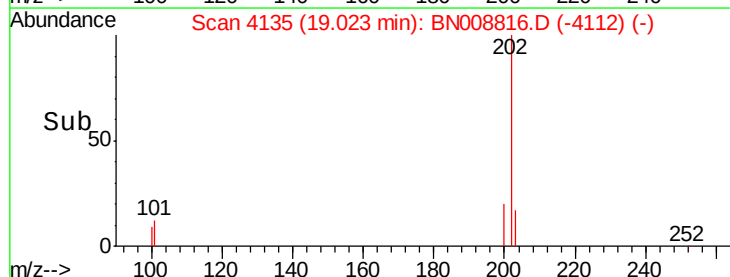
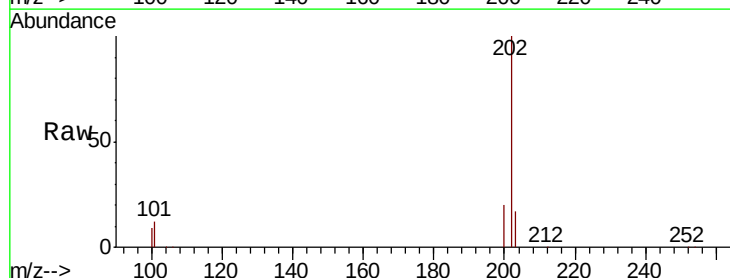
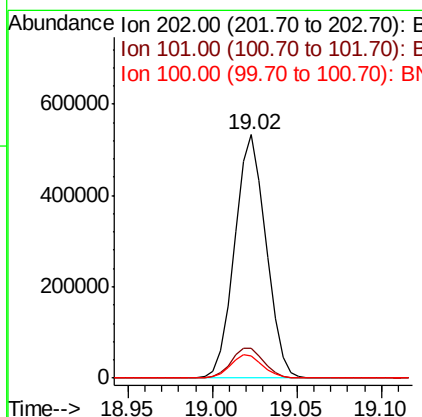
RT: 19.02 min Scan# 4135

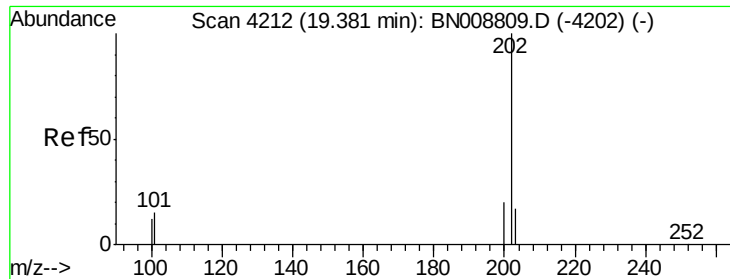
Delta R.T. 0.00 min

Lab File: BN008816.D

Acq: 02 Dec 2019 16:06

Tgt Ion:	202	Resp:	686173
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	32.4
100	9.1	0.0	29.2





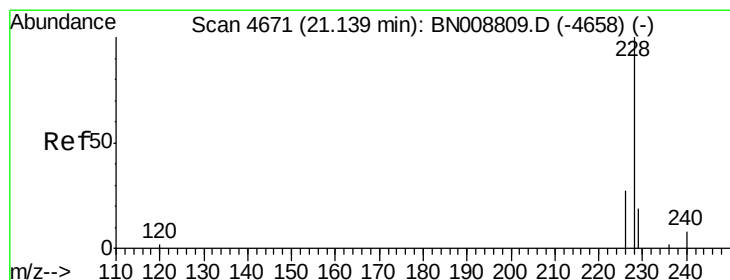
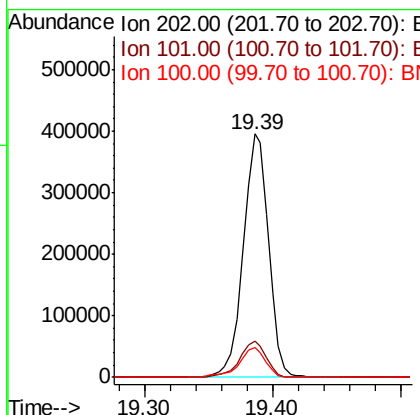
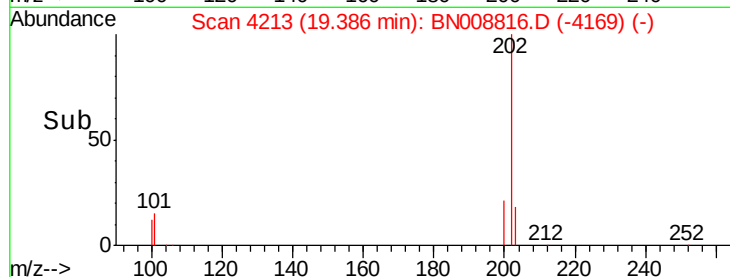
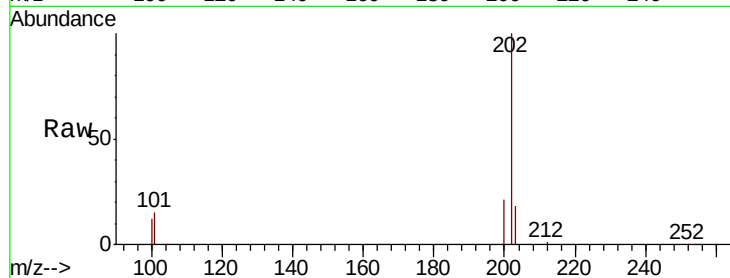
#17
Pvrene
Concen: 7.000 ng/ul
RT: 19.39 min Scan# 4213
Delta R.T. 0.00 min
Lab File: BN008816.D
Acq: 02 Dec 2019 16:06

Instrument :
BNA_N
ClientSampled :
C0AA2DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.2	12.2	18.4
100	12.3	9.5	14.3

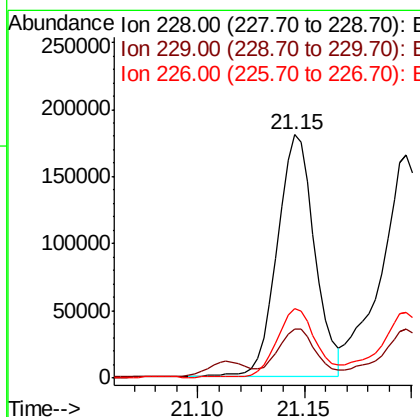
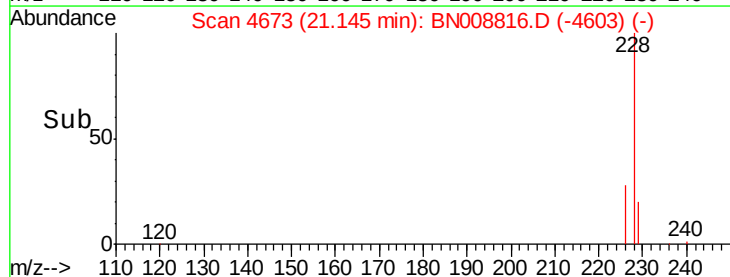
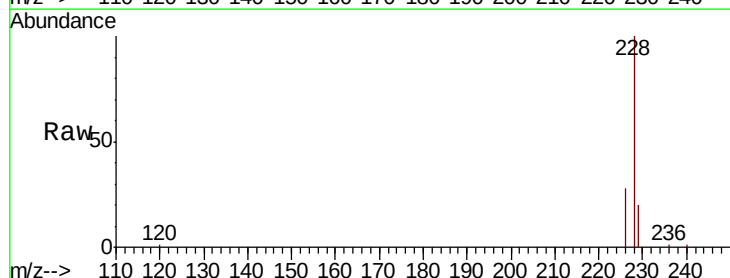
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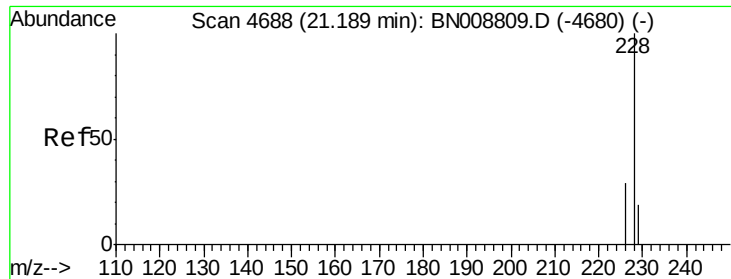
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#18
Benzo(a)anthracene
Concen: 2.866 ng/ul
RT: 21.15 min Scan# 4673
Delta R.T. 0.01 min
Lab File: BN008816.D
Acq: 02 Dec 2019 16:06

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.3	15.7	23.5
226	28.3	21.5	32.3





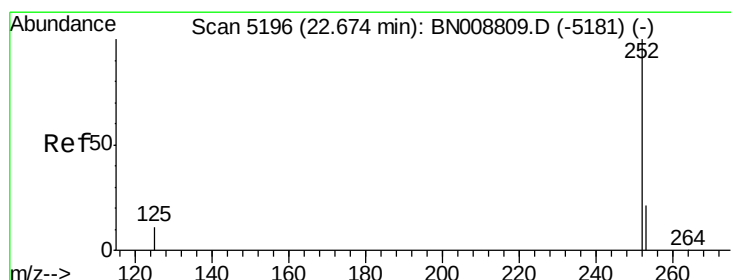
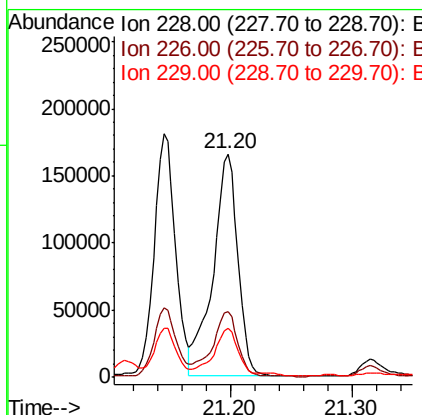
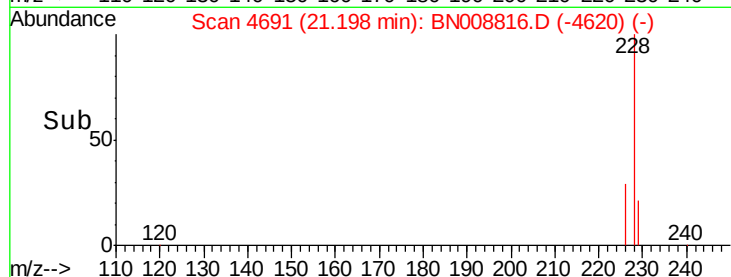
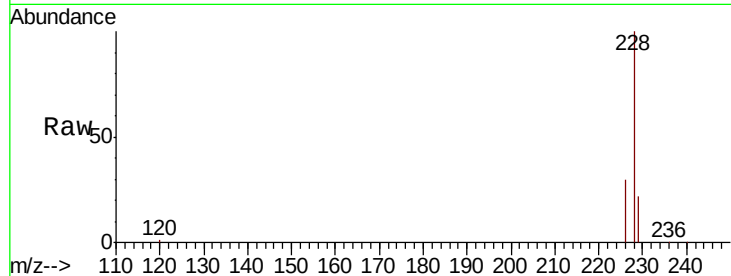
#19
Chrysene
Concen: 3.119 ng/ul
RT: 21.20 min Scan# 4691
Delta R.T. 0.01 min
Lab File: BN008816.D
Acq: 02 Dec 2019 16:06

Instrument :
BNA_N
ClientSampleId :
C0AA2DL

Tot Ion:228	Resp:	234967
Ion Ratio	Lower	Upper
228 100		
226 29.7	23.8	35.6
229 22.1	15.6	23.4

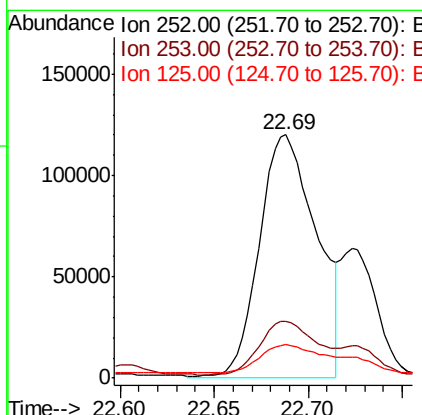
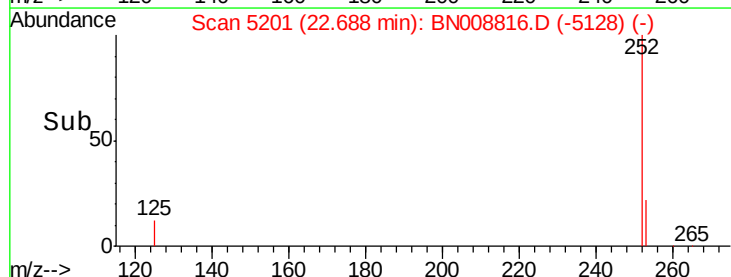
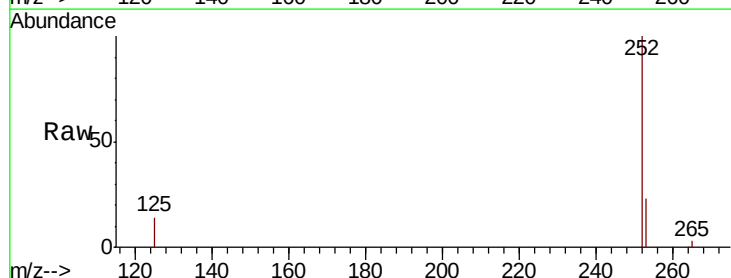
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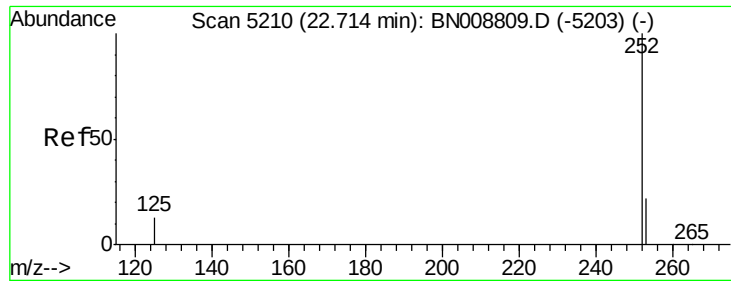
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#21
Benzo(b)fluoranthene
Concen: 3.684 ng/ul m
RT: 22.69 min Scan# 5201
Delta R.T. 0.01 min
Lab File: BN008816.D
Acq: 02 Dec 2019 16:06

Tgt Ion:252	Resp:	254652
Ion Ratio	Lower	Upper
252 100		
253 23.5	0.0	48.6
125 13.8	0.0	31.6





#22

Benzo(k)fluoranthene

Concen: 1.290 ng/ul m

RT: 22.72 min Scan# 5213

Delta R.T. 0.01 min

Lab File: BN008816.D

Acq: 02 Dec 2019 16:06

Instrument :

BNA_N

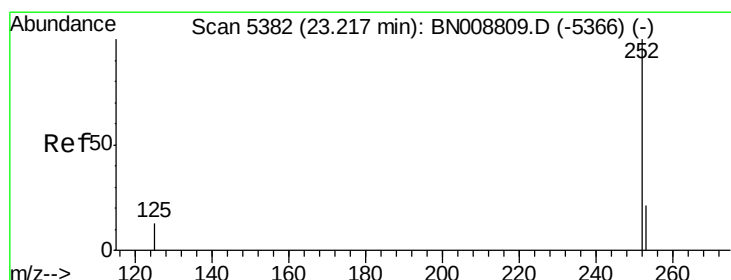
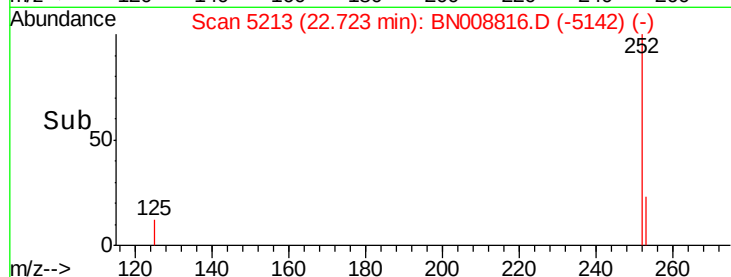
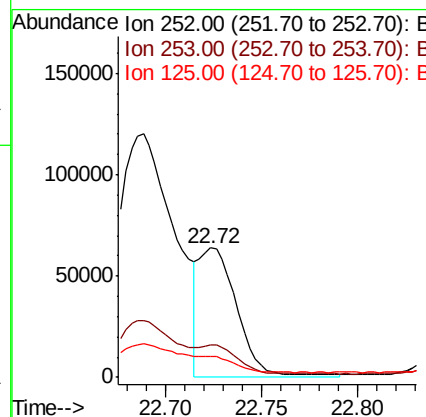
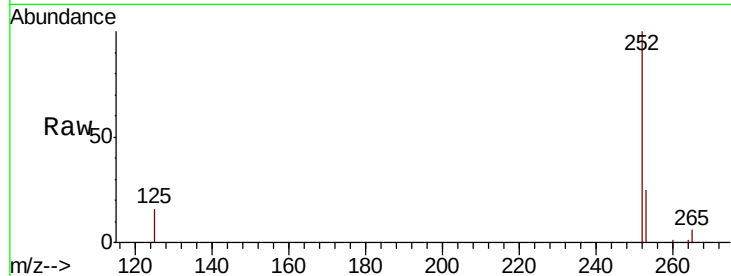
ClientSampleId :

C0AA2DL

Tot Ion:	252	Resp:	88456
Ion Ratio	Lower	Upper	
252	100		
253	25.1	19.6	29.4
125	16.2	13.8	20.6

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#23

Benzo(a)pyrene

Concen: 2.421 ng/ul

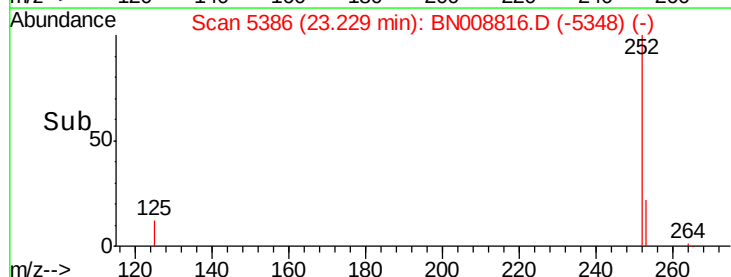
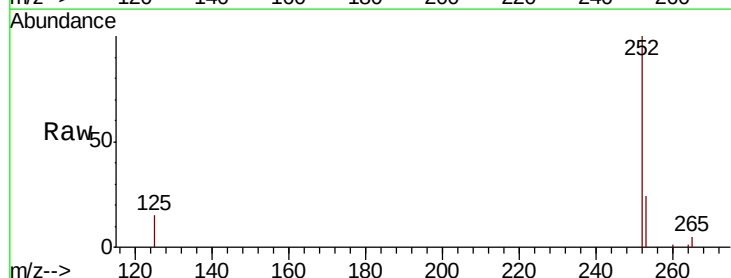
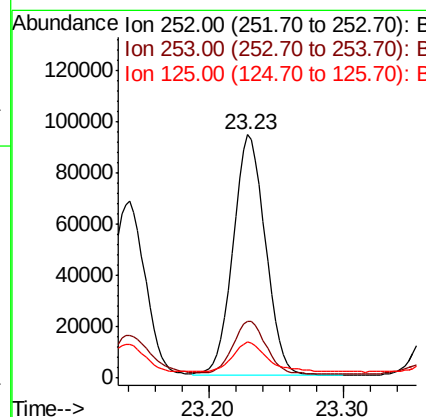
RT: 23.23 min Scan# 5386

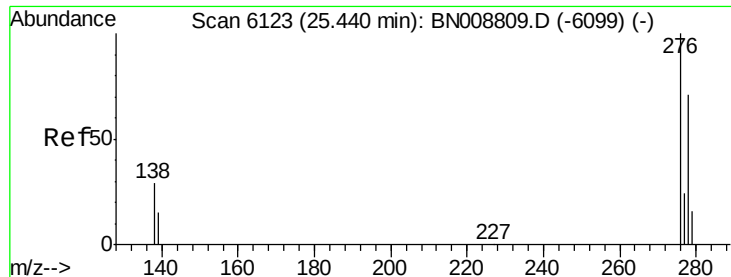
Delta R.T. 0.01 min

Lab File: BN008816.D

Acq: 02 Dec 2019 16:06

Tgt Ion:	252	Resp:	157079
Ion Ratio	Lower	Upper	
252	100		
253	23.5	19.9	29.9
125	14.7	14.6	22.0





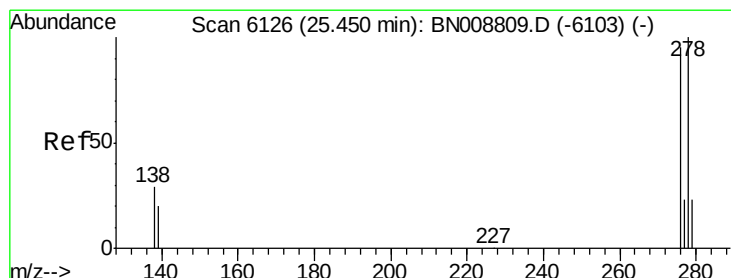
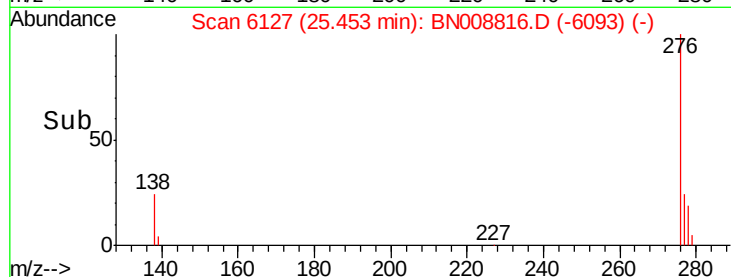
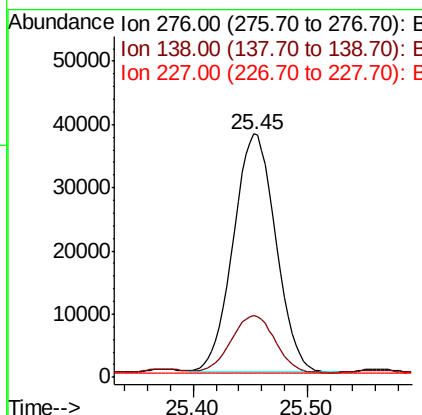
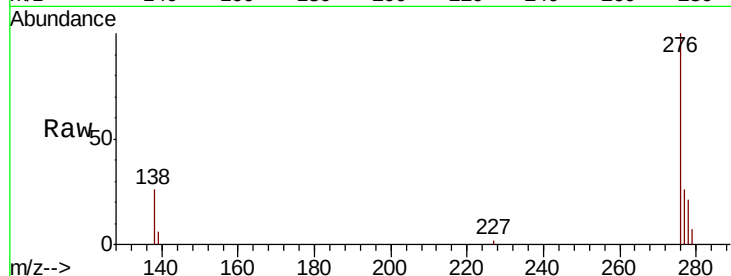
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.286 ng/ul
 RT: 25.45 min Scan# 6127
 Delta R.T. 0.01 min
 Lab File: BN008816.D
 Acq: 02 Dec 2019 16:06

Instrument :
 BNA_N
 ClientSampled :
 C0AA2DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	23.8	35.6
227	0.0	0.2	0.2

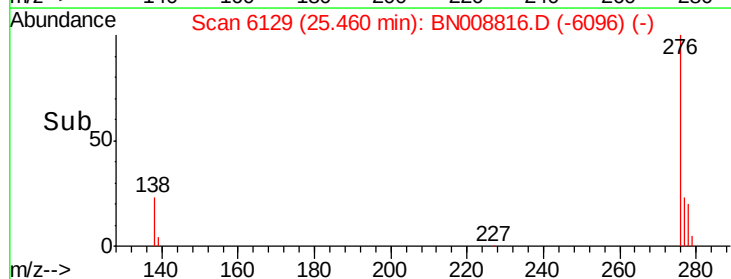
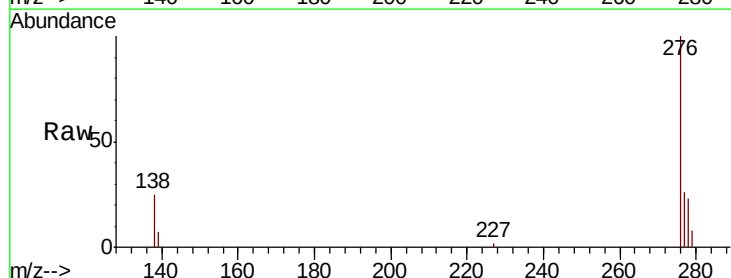
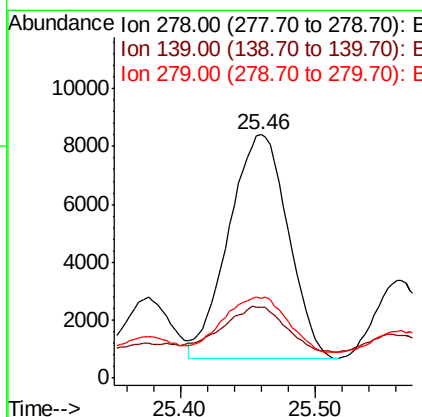
Manual Integrations
 APPROVED

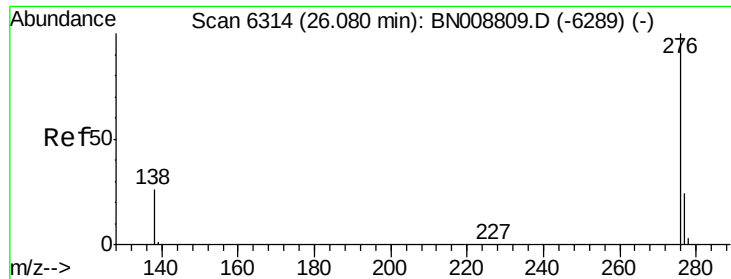
mohammad
 12/3/2019 2:39:06 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.387 ng/ul
 RT: 25.46 min Scan# 6129
 Delta R.T. 0.01 min
 Lab File: BN008816.D
 Acq: 02 Dec 2019 16:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.2	17.4	26.0
279	32.9	20.5	30.7





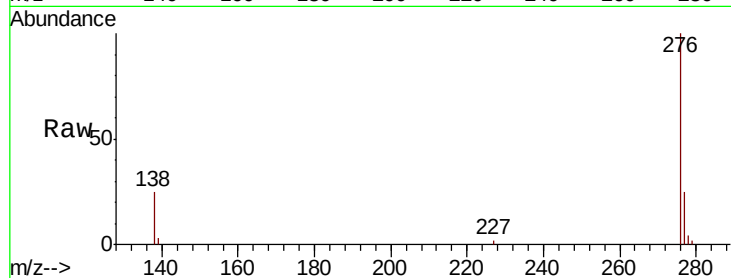
#26
 Benzo(a,h,i)perylene
 Concen: 1.479 ng/ul
 RT: 26.10 min Scan# 6321
 Delta R.T. 0.02 min
 Lab File: BN008816.D
 Acq: 02 Dec 2019 16:06

Instrument :
 BNA_N
 ClientSampleId :
 C0AA2DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	21.9	32.9
277	25.1	19.9	29.9

Manual Integrations
 APPROVED

mohammad
 12/3/2019 2:39:06 PM



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

