

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120219\
 Data File : BN008820.D
 Acq On : 02 Dec 2019 18:29
 Operator : JU
 Sample : K5851-10DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AA8DL

Manual Integrations
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 12/3/2019 2:39:02 PM

Quant Time: Dec 03 00:23:57 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	5473	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	22285	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	12545	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	25236	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	16976	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	16187	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.94	152	959	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	2143	0.03	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.39	128	18967	0.282	ng/ul	100
5) 2-Methylnaphthalene	12.02	142	8279	0.176	ng/ul	99
7) Acenaphthylene	13.93	152	72284	1.042	ng/ul	99
8) Acenaphthene	14.27	153	17354	0.337	ng/ul	100
9) Fluorene	15.27	166	110779	1.833	ng/ul	99
12) Phenanthrene	17.00	178	1101292	12.940	ng/ul	99
13) Anthracene	17.09	178	246168	3.061	ng/ul	100
15) Fluoranthene	19.02	202	1574184	15.055	ng/ul	99
17) Pyrene	19.39	202	1182980	17.370	ng/ul	99
18) Benzo(a)anthracene	21.15	228	514233	7.532	ng/ul	97
19) Chrysene	21.20	228	465580	6.943	ng/ul	97
21) Benzo(b)fluoranthene	22.69	252	486806m	7.293	ng/ul	
22) Benzo(k)fluoranthene	22.73	252	179233m	2.707	ng/ul	
23) Benzo(a)pyrene	23.23	252	339542	5.419	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.45	276	193343	2.639	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.46	278	47431	0.801	ng/ul#	90
26) Benzo(a,h,i)perylene	26.11	276	180558	2.946	ng/ul	98

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

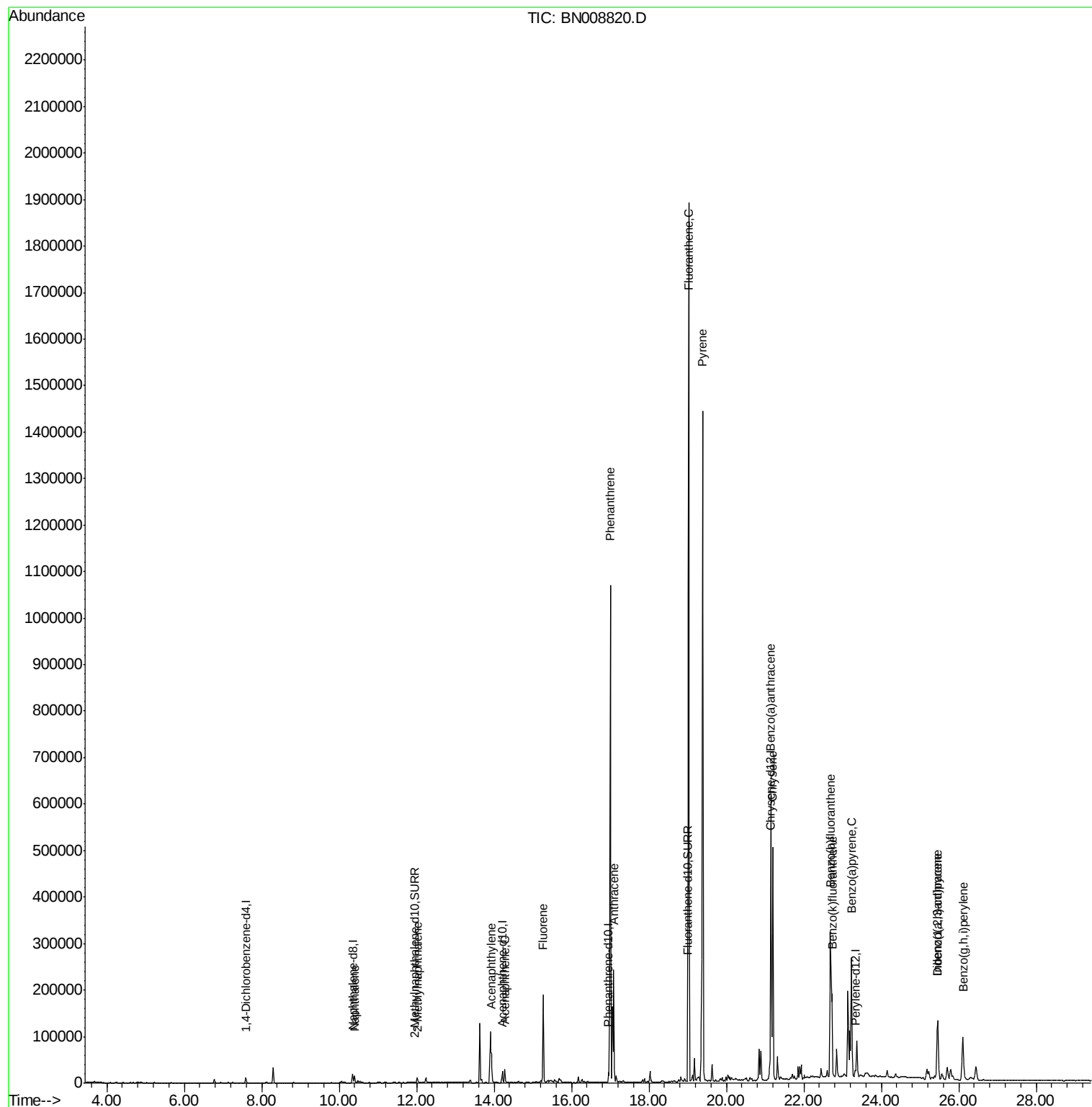
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120219\
Data File : BN008820.D
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ALS Vial : 13 Sample Multiplier: 1

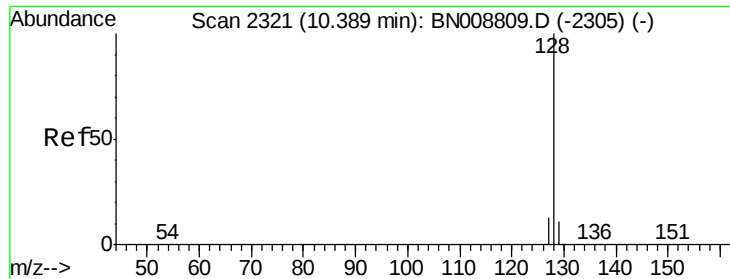
Instrument :
BNA_N
ClientSampleId :
C0AA8DL

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Quant Time: Dec 03 00:23:57 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: 0.282 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. 0.01 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

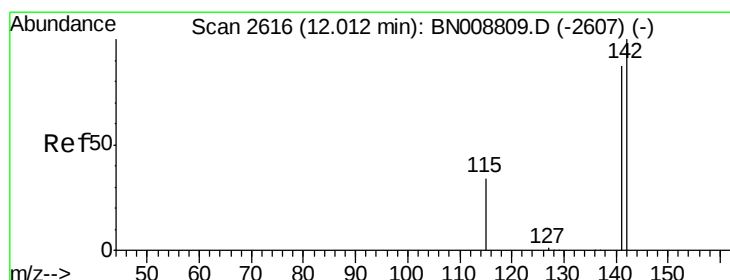
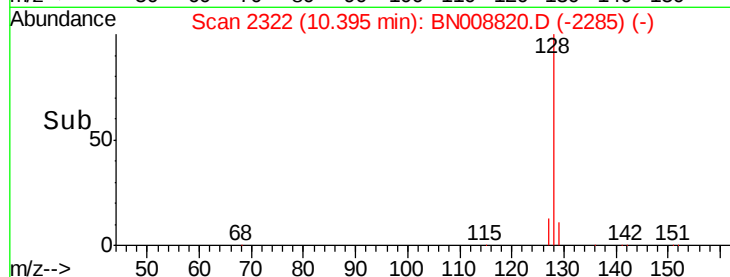
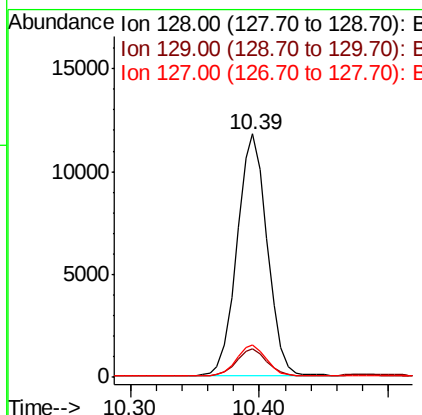
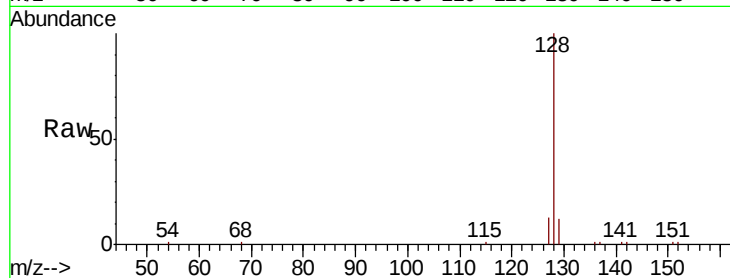
ClientSampleId :

C0AA8DL

Tot Ion:	128	Resp:	18967
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.1	13.7
127	13.2	10.7	16.1

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#5

2-Methylnaphthalene

Concen: 0.176 ng/ul

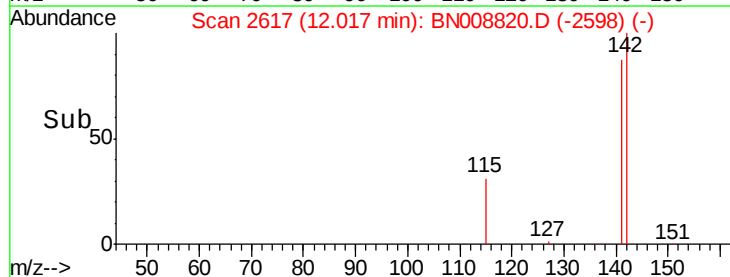
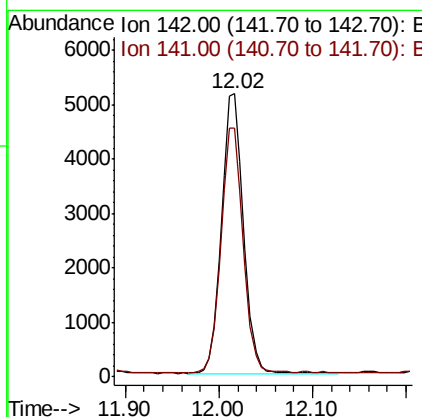
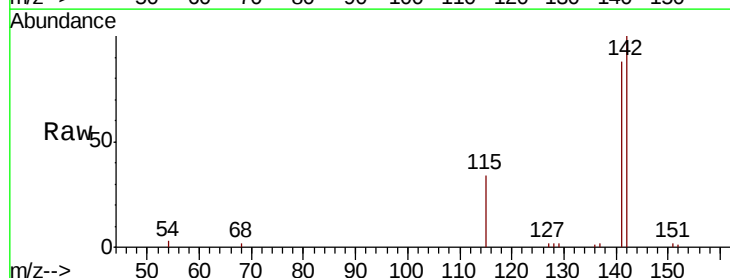
RT: 12.02 min Scan# 2617

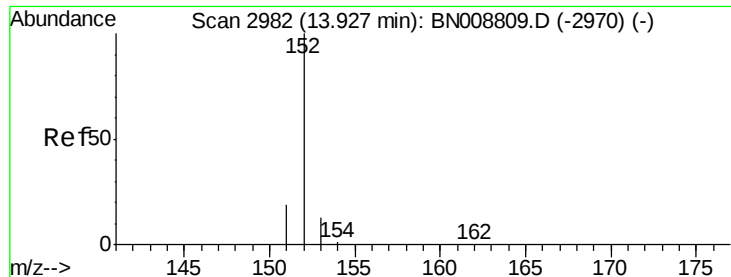
Delta R.T. 0.01 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Tgt Ion:	142	Resp:	8279
Ion Ratio	Lower	Upper	
142	100		
141	88.3	70.1	105.1





#7

Acenaphthylene

Concen: 1.042 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

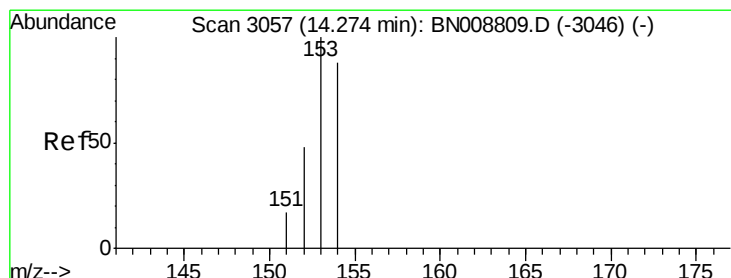
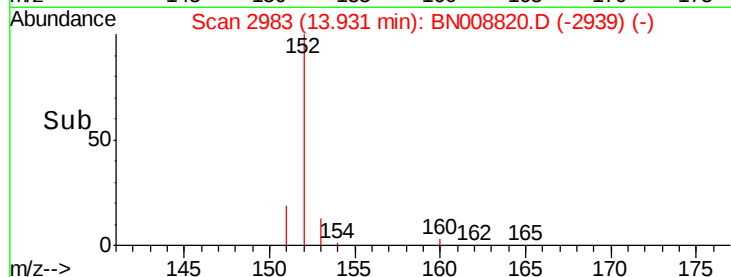
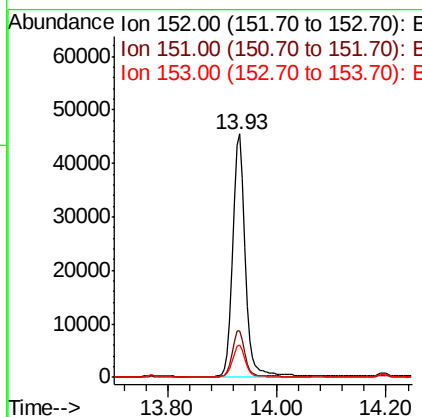
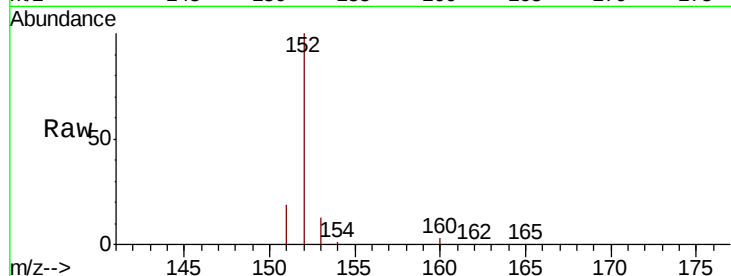
ClientSampleId :

C0AA8DL

Tot Ion:	152	Resp:	72284
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.8	23.6
153	13.4	10.6	15.8

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#8

Acenaphthene

Concen: 0.337 ng/ul

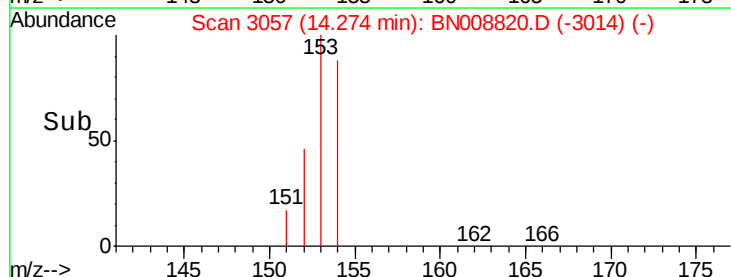
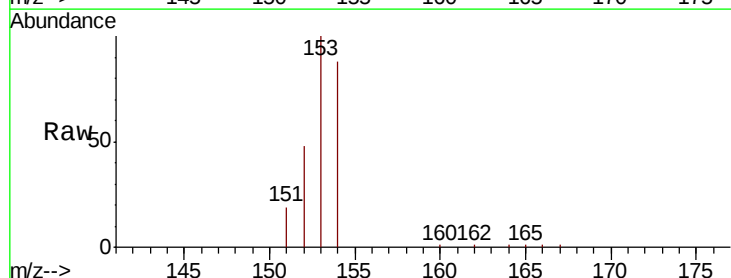
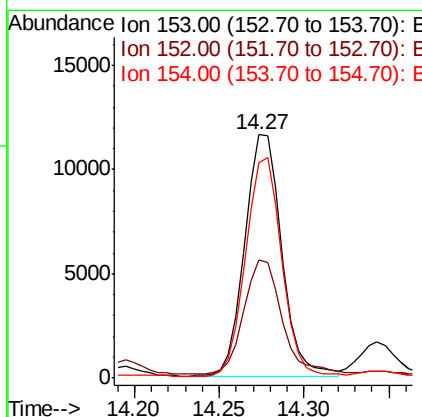
RT: 14.27 min Scan# 3057

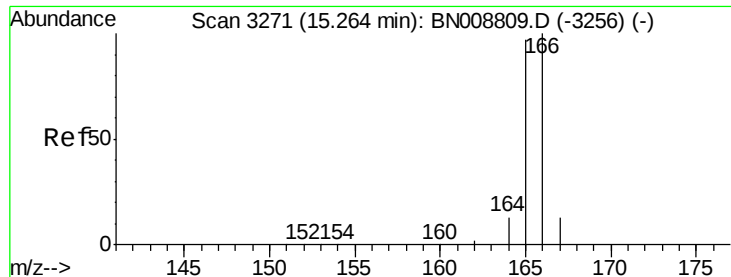
Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Tgt Ion:	153	Resp:	17354
Ion Ratio	Lower	Upper	
153	100		
152	48.4	38.6	58.0
154	88.3	70.6	105.8





#9

Fluorene

Concen: 1.833 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

ClientSampled :

C0AA8DL

Tot Ion:166 Resp: 110779

Ion Ratio Lower Upper

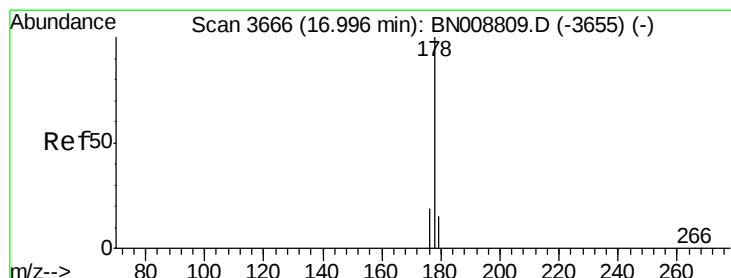
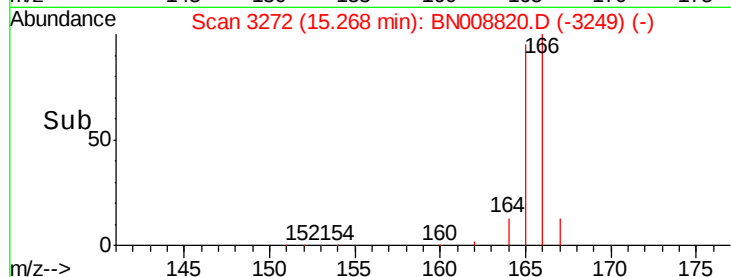
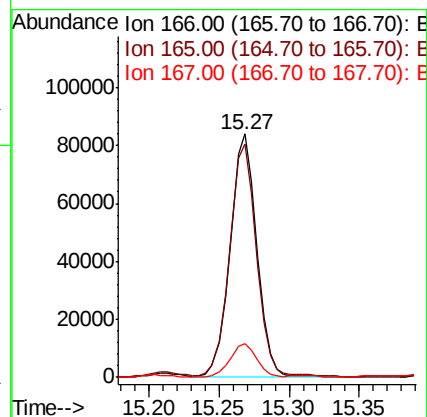
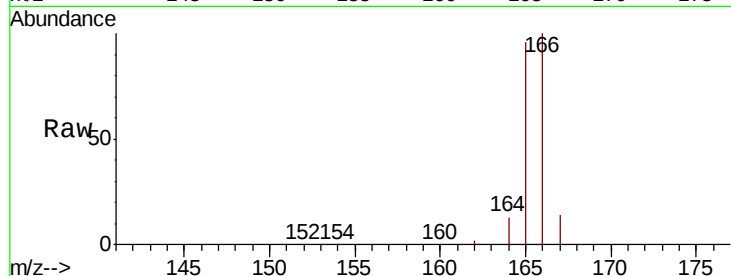
166 100

165 95.7 77.7 116.5

167 13.8 11.1 16.7

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#12

Phenanthrene

Concen: 12.940 ng/ul

RT: 17.00 min Scan# 3667

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

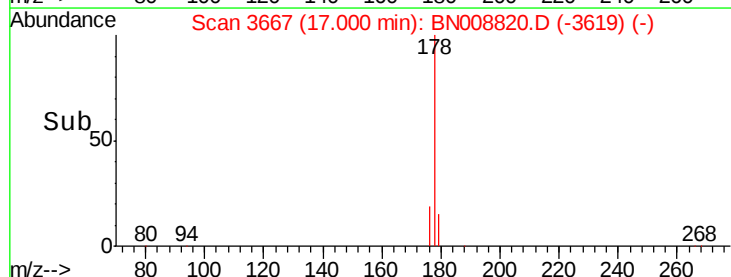
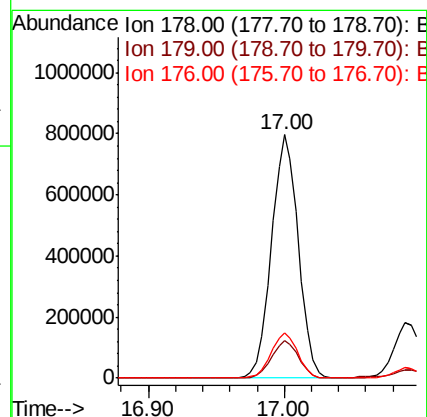
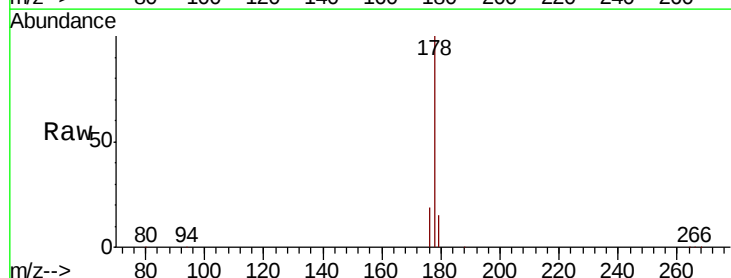
Tgt Ion:178 Resp: 1101292

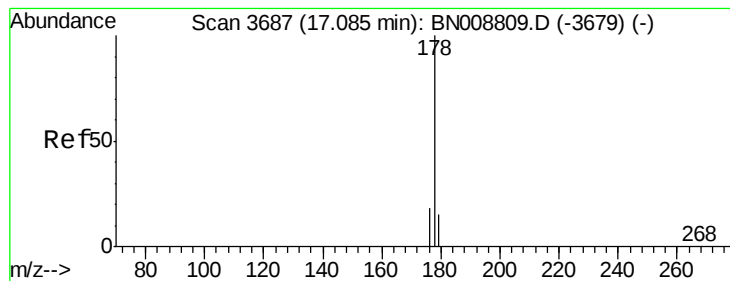
Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 18.7 15.3 22.9





#13

Anthracene

Concen: 3.061 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

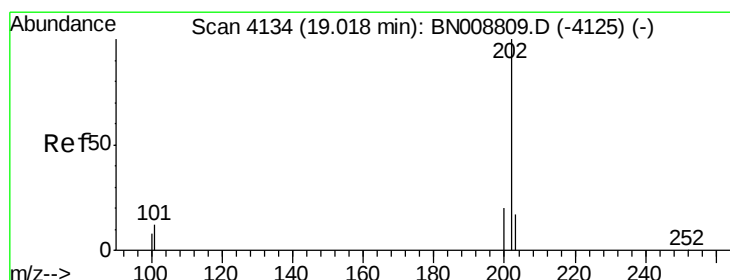
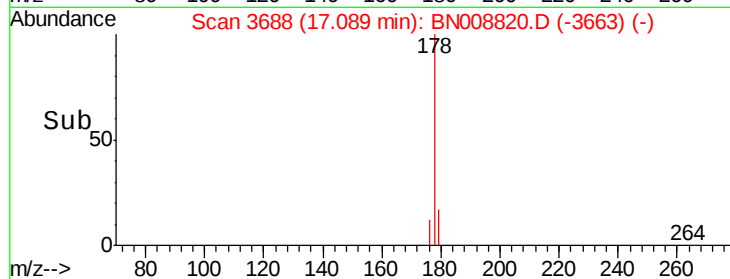
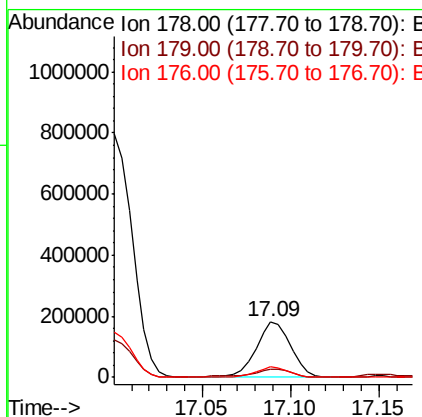
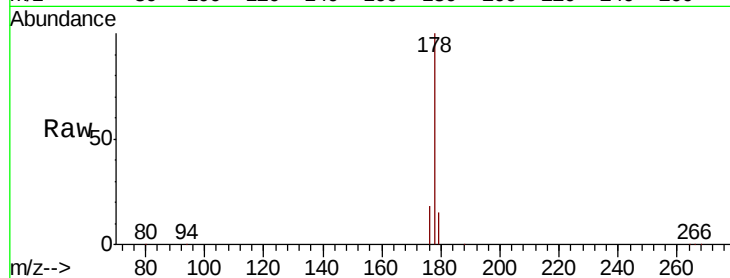
ClientSampleId :

C0AA8DL

Tot Ion:	178	Resp:	246168
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.2	18.4
176	18.2	14.7	22.1

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#15

Fluoranthene

Concen: 15.055 ng/ul

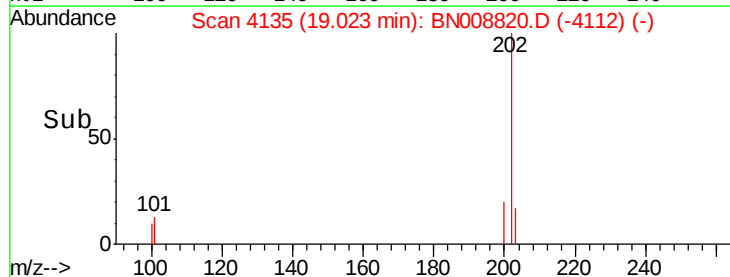
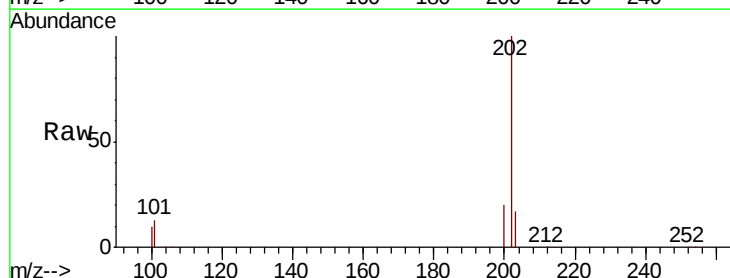
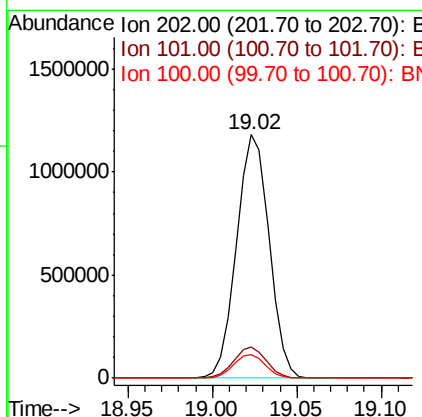
RT: 19.02 min Scan# 4135

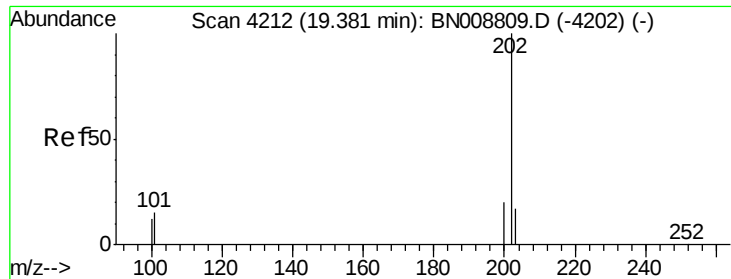
Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Tgt Ion:	202	Resp:	1574184
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	32.4
100	9.8	0.0	29.2





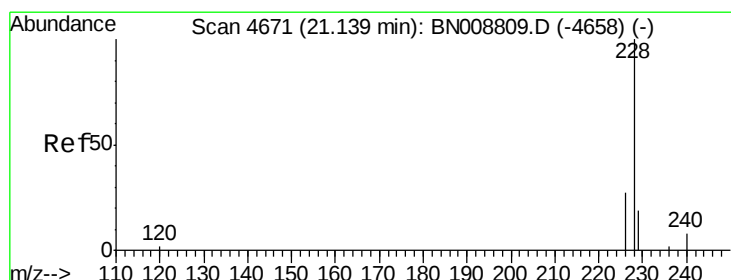
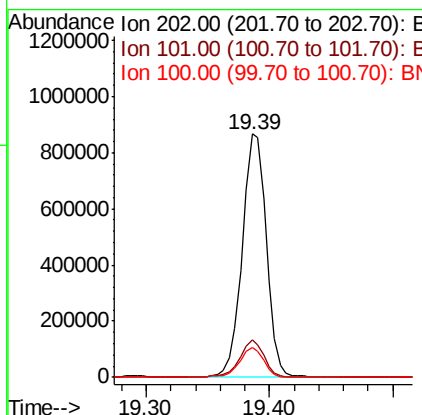
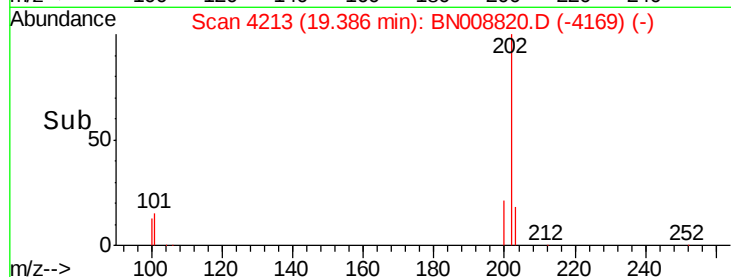
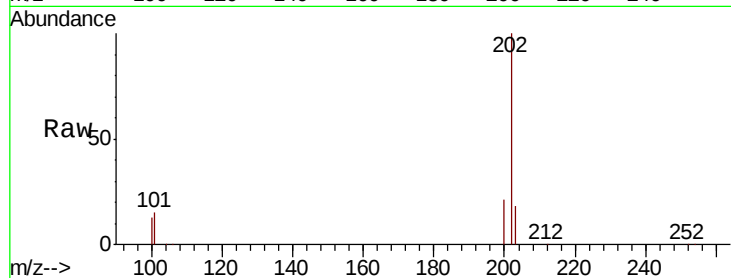
#17
Pvrene
Concen: 17.370 ng/ul
RT: 19.39 min Scan# 4213
Delta R.T. 0.00 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

Instrument :
BNA_N
ClientSampled :
C0AA8DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.3	12.2	18.4
100	12.5	9.5	14.3

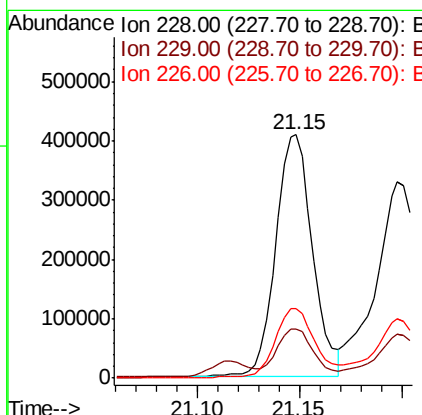
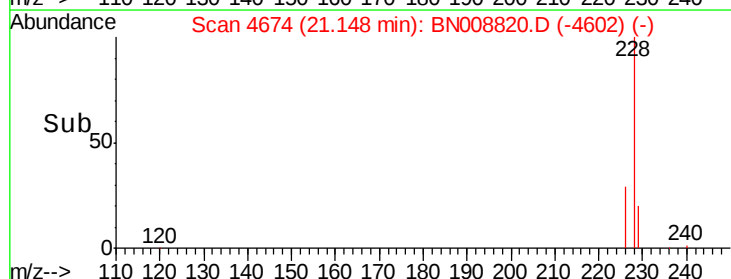
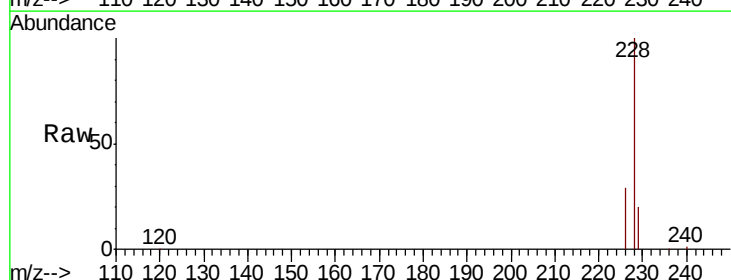
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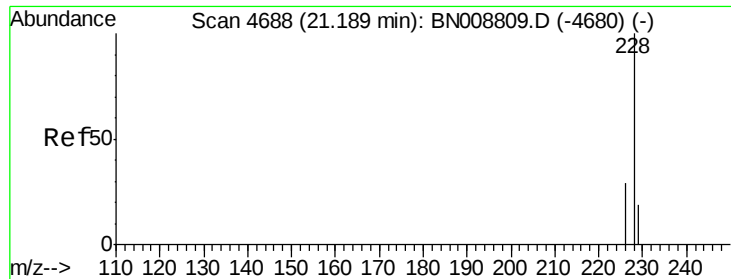
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#18
Benzo(a)anthracene
Concen: 7.532 ng/ul
RT: 21.15 min Scan# 4674
Delta R.T. 0.01 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.7	23.5
226	28.8	21.5	32.3





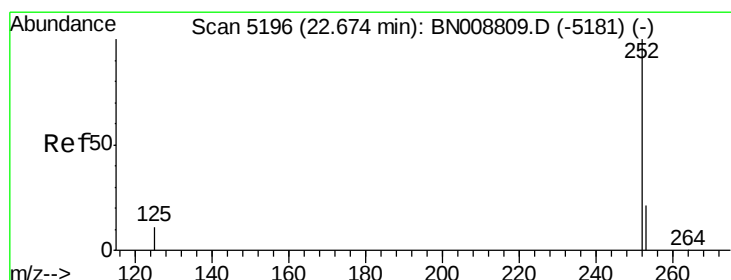
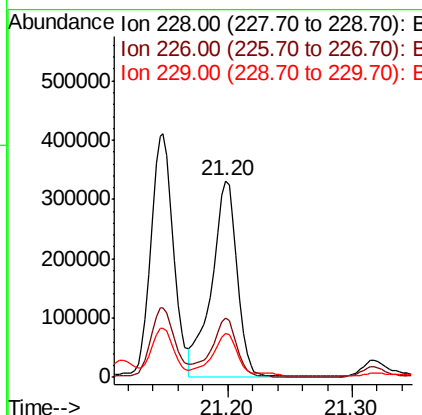
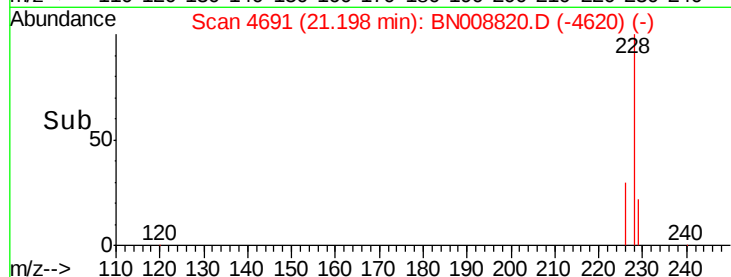
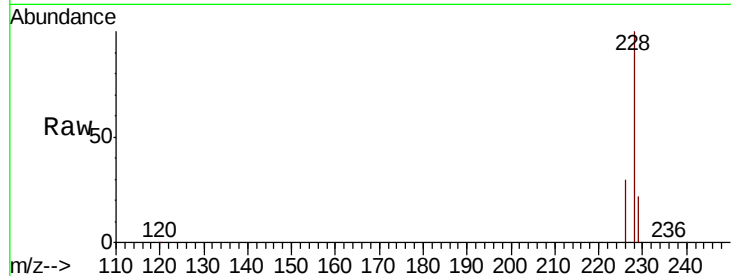
#19
Chrysene
Concen: 6.943 ng/ul
RT: 21.20 min Scan# 4691
Delta R.T. 0.01 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

Instrument :
BNA_N
ClientSampleId :
C0AA8DL

Tot Ion:228	Resp:	465580
Ion Ratio	Lower	Upper
228 100		
226 30.2	23.8	35.6
229 22.3	15.6	23.4

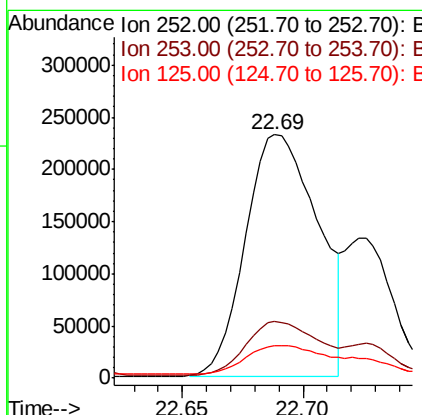
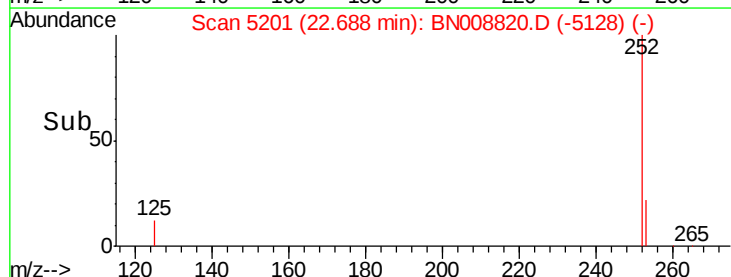
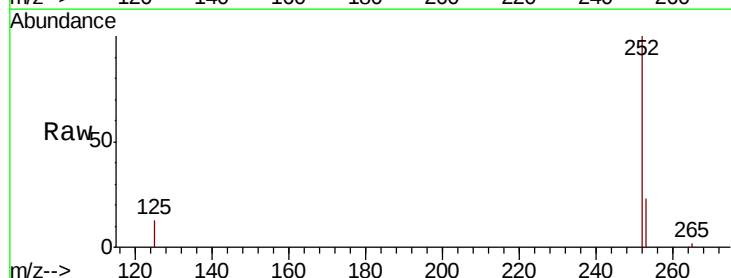
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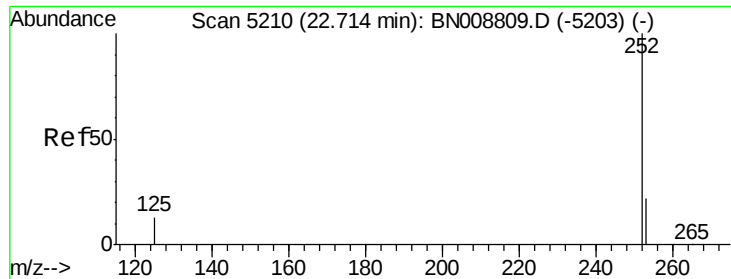
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#21
Benzo(b)fluoranthene
Concen: 7.293 ng/ul m
RT: 22.69 min Scan# 5201
Delta R.T. 0.01 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

Tgt Ion:252	Resp:	486806
Ion Ratio	Lower	Upper
252 100		
253 23.1	0.0	48.6
125 13.3	0.0	31.6





#22

Benzo(k)fluoranthene

Concen: 2.707 ng/ul

RT: 22.73 min Scan# 5214

Delta R.T. 0.01 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

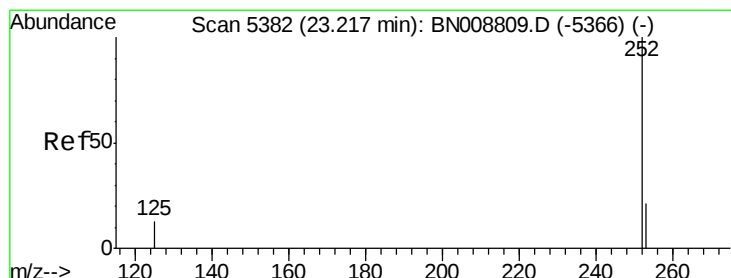
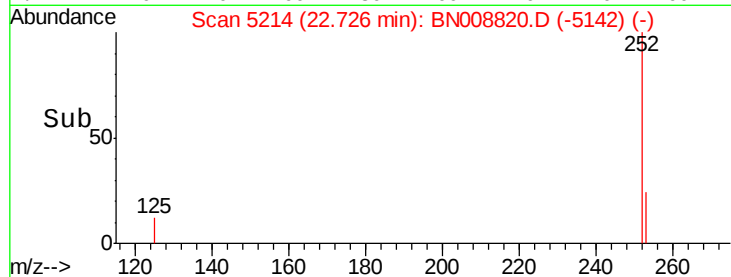
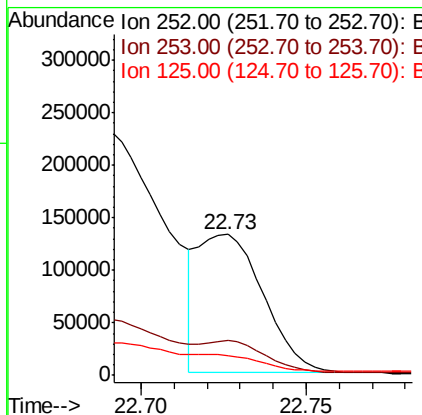
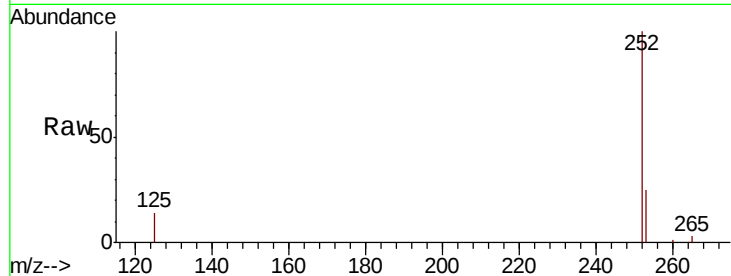
ClientSampleId :

C0AA8DL

Tot Ion:	252	Resp:	179233
Ion Ratio	Lower	Upper	
252	100		
253	24.8	19.6	29.4
125	14.2	13.8	20.6

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#23

Benzo(a)pyrene

Concen: 5.419 ng/ul

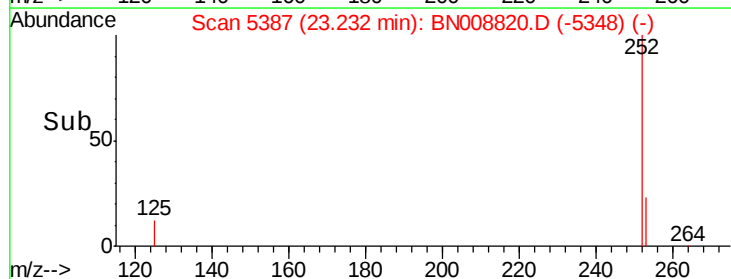
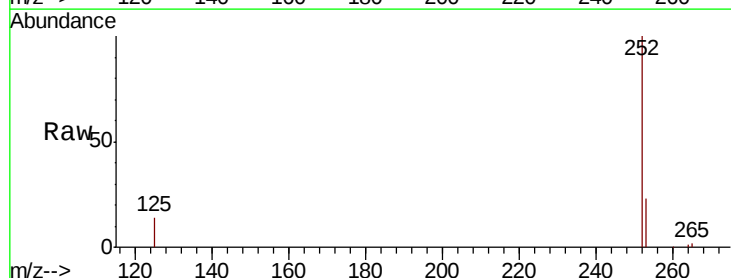
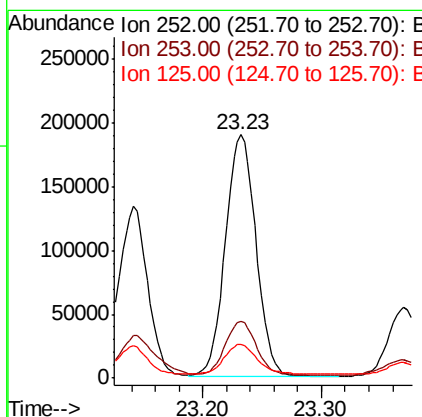
RT: 23.23 min Scan# 5387

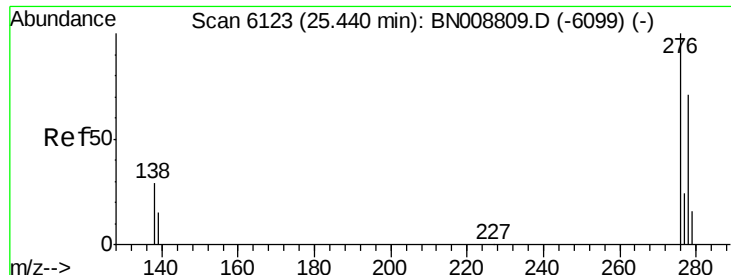
Delta R.T. 0.01 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Tgt Ion:	252	Resp:	339542
Ion Ratio	Lower	Upper	
252	100		
253	23.4	19.9	29.9
125	14.0	14.6	22.0





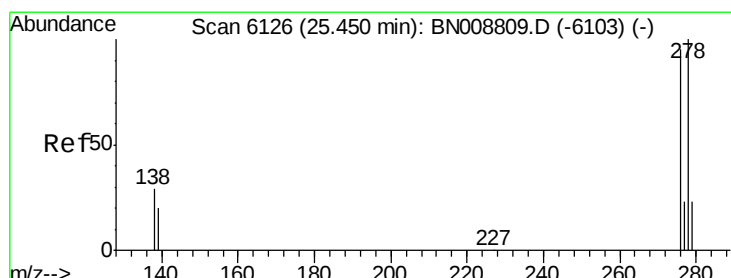
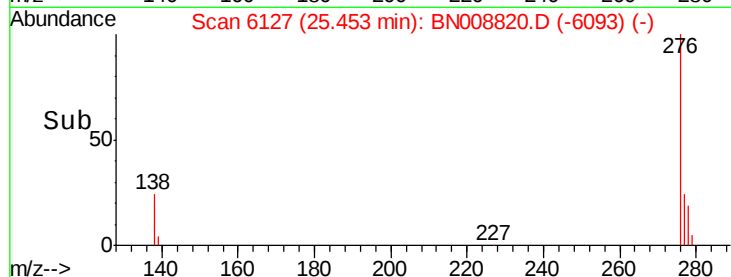
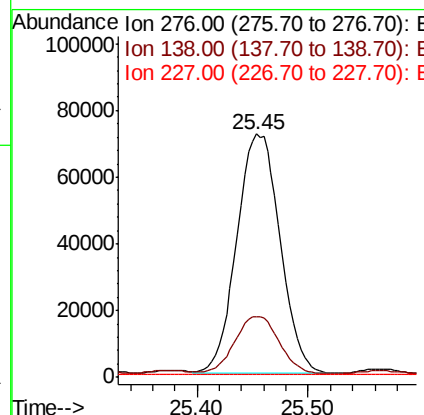
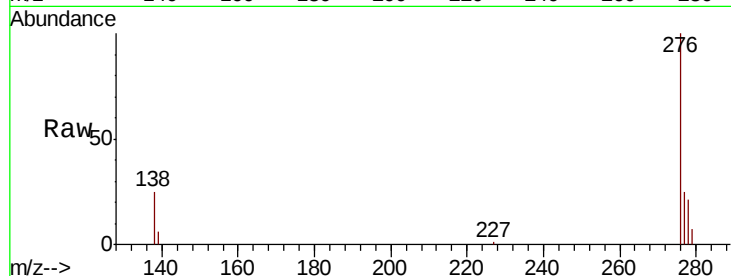
#24
Indeno(1,2,3-cd)pyrene
Concen: 2.639 ng/ul
RT: 25.45 min Scan# 6127
Delta R.T. 0.01 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

Instrument :
BNA_N
ClientSampleId :
C0AA8DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	193343		
138	24.6	23.8	35.6	
227	0.3	0.2	0.2	

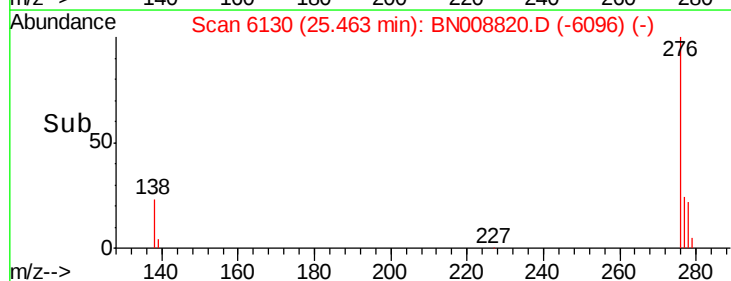
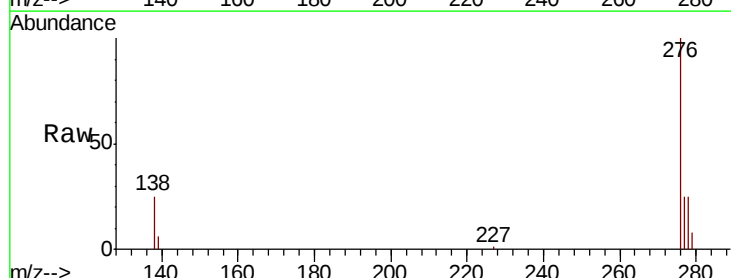
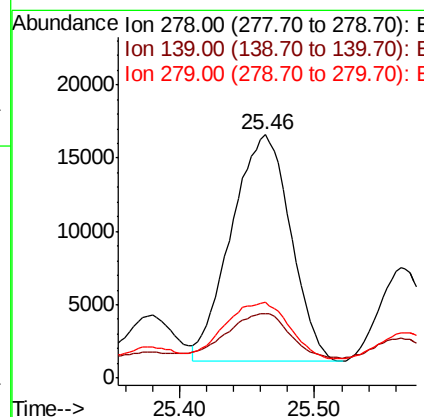
Manual Integrations
APPROVED

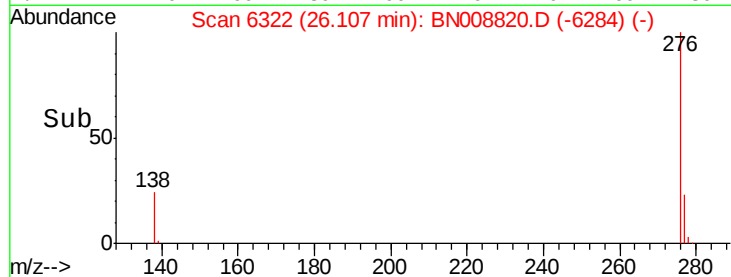
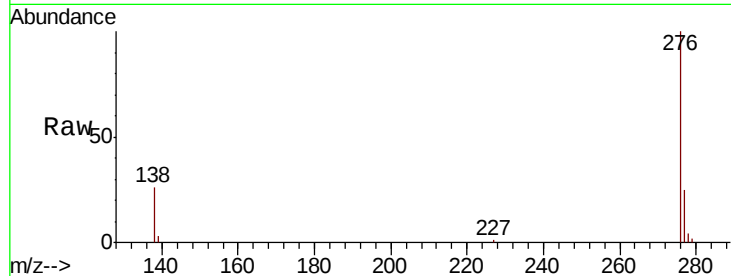
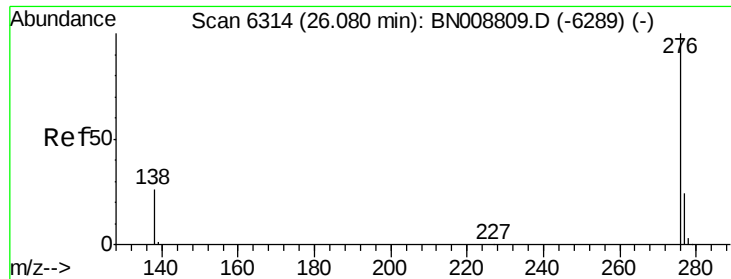
mohammad
12/3/2019 2:39:02 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.801 ng/ul
RT: 25.46 min Scan# 6130
Delta R.T. 0.01 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	47431		
139	26.5	17.4	26.0	
279	31.0	20.5	30.7	





#26

Benzo(a,h,i)perylene

Concen: 2.946 ng/ul

RT: 26.11 min Scan# 6322

Delta R.T. 0.03 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Tot Ion:	276	Resp:	180558
Ion Ratio	Lower	Upper	
276	100		
138	25.7	21.9	32.9
277	24.6	19.9	29.9

Instrument :

BNA_N

ClientSampleId :

C0AA8DL

Manual Integrations
APPROVED

mohammad
12/3/2019 2:39:02 PM

