

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051219\
 Data File : BN005632.D
 Acq On : 11 May 2019 18:24
 Operator : JU/SJ
 Sample : K2606-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5138

Manual Integrations
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mohammad
 5/14/2019 3:45:53 AM

Quant Time: May 12 01:03:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 12 00:36:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1687	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.35	136	6704	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.22	164	4030	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	9543m	0.40	ng/ul	-0.01
16) Chrysene-d12	21.21	240	6895m	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	6007m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	2845	0.27	ng/ul	-0.01
14) Fluoranthene-d10	19.02	212	7418m	0.25	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.39	128	1272	0.072	ng/ul#	89
5) 2-Methylnaphthalene	12.04	142	520	0.043	ng/ul	100
7) Acenaphthylene	13.94	152	4350	0.214	ng/ul	99
8) Acenaphthene	14.28	153	2428	0.169	ng/ul	98
9) Fluorene	15.28	166	4283	0.255	ng/ul	99
12) Phenanthrene	17.01	178	152290m	5.857	ng/ul	
13) Anthracene	17.11	178	14562m	0.561	ng/ul	
15) Fluoranthene	19.05	202	404658m	11.244	ng/ul	
17) Pyrene	19.42	202	307839	12.090	ng/ul	95
18) Benzo(a)anthracene	21.20	228	114624	4.822	ng/ul	99
19) Chrysene	21.24	228	157113	5.382	ng/ul	98
21) Benzo(b)fluoranthene	22.76	252	197278m	10.923	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	70444m	3.112	ng/ul	
23) Benzo(a)pyrene	23.32	252	111024m	5.501	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.60	276	90812m	4.022	ng/ul	
25) Dibenzo(a,h)anthracene	25.61	278	20747m	1.112	ng/ul	
26) Benzo(g,h,i)perylene	26.27	276	87004m	4.519	ng/ul	

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

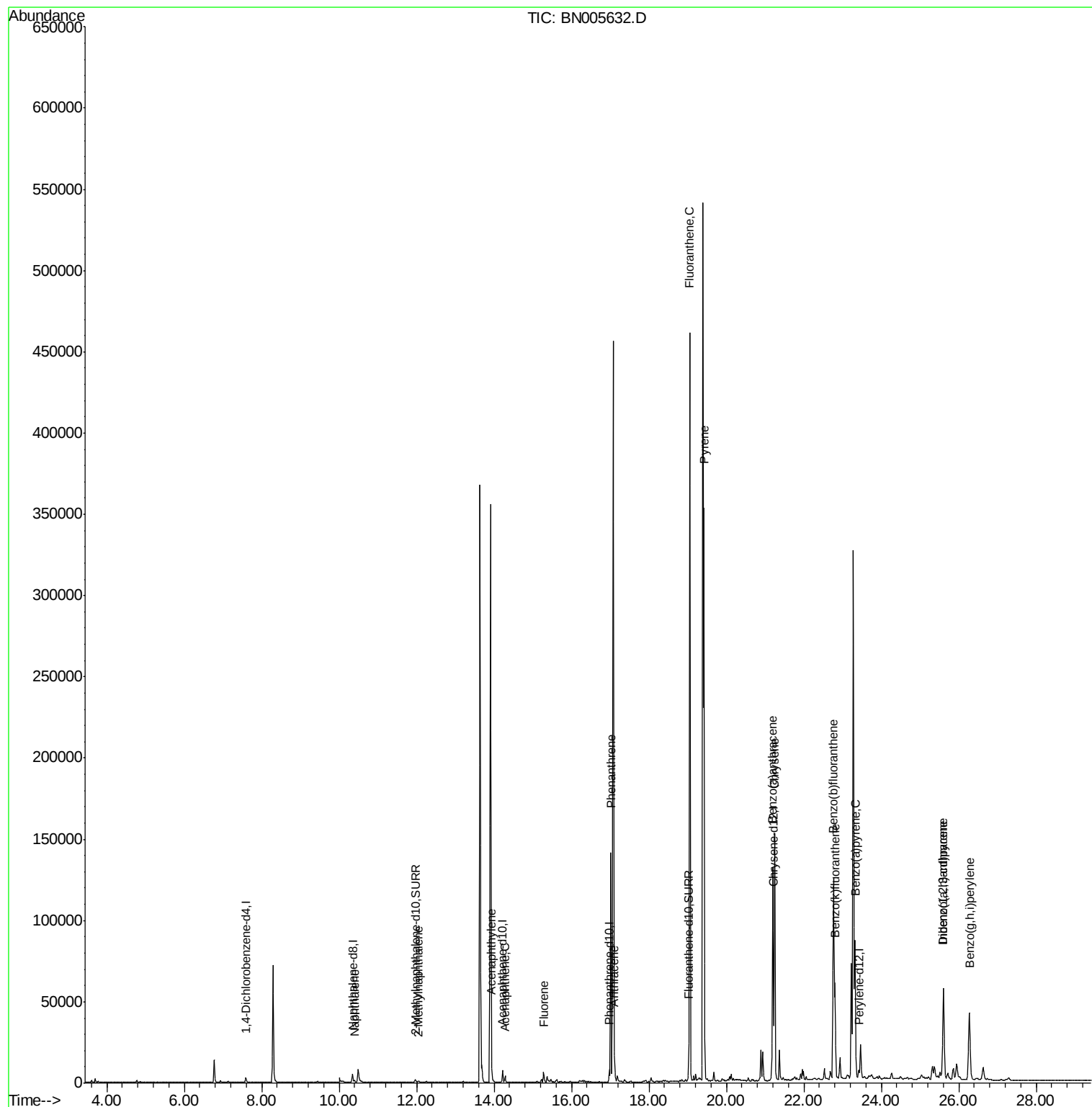
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051219\
Data File : BN005632.D
Acq On : 11 May 2019 18:24
Operator : JU/SJ
Sample : K2606-04
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ALS Vial : 5 Sample Multiplier: 1

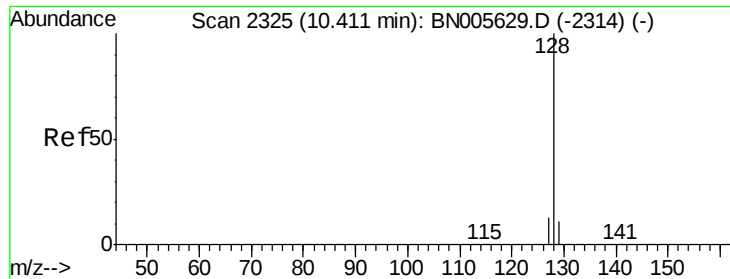
Instrument :
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Quant Time: May 12 01:03:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
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#3

Naphthalene

Concen: 0.072 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.02 min

Lab File: BN005632.D

Acq: 11 May 2019 18:24

Instrument :

BNA_N

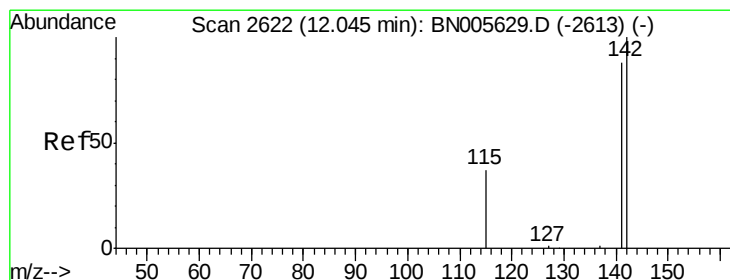
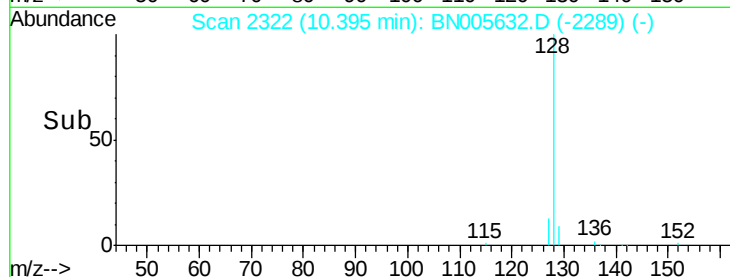
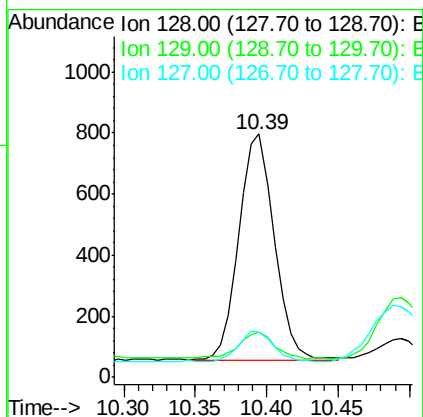
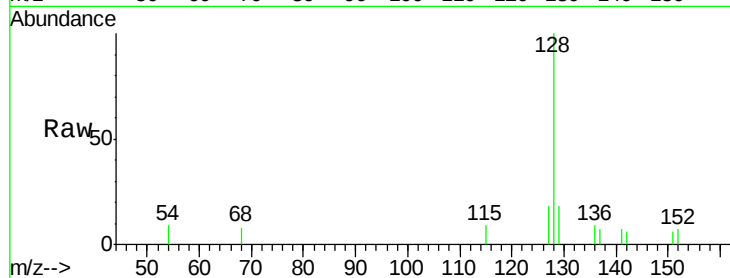
ClientSampled :

A5138

Tgt Ion:	128	Resp:	1272
Ion Ratio	Lower	Upper	
128	100		
129	18.4	10.2	15.2#
127	18.4	11.8	17.8#

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#5

2-Methylnaphthalene

Concen: 0.043 ng/ul

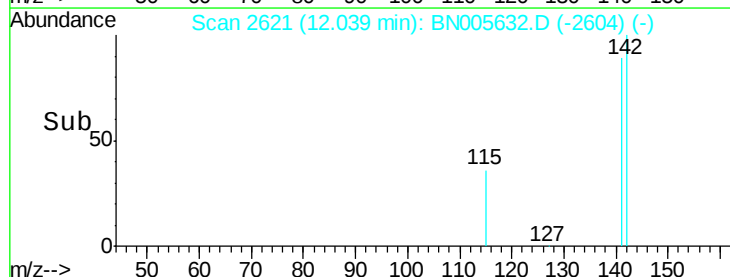
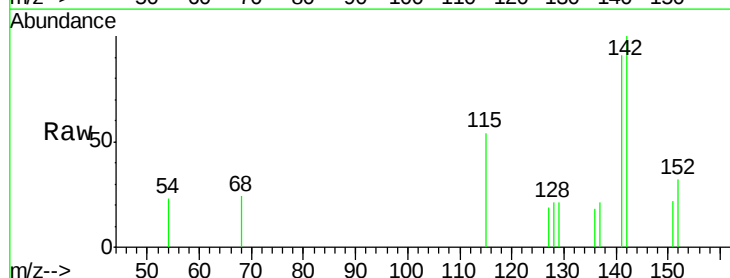
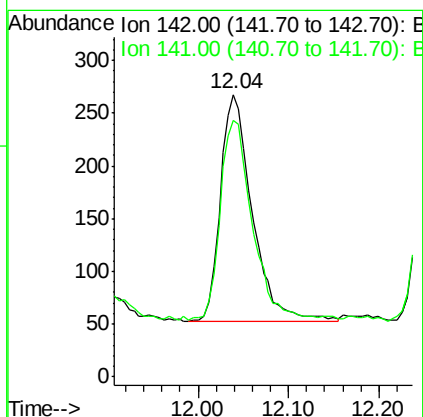
RT: 12.04 min Scan# 2621

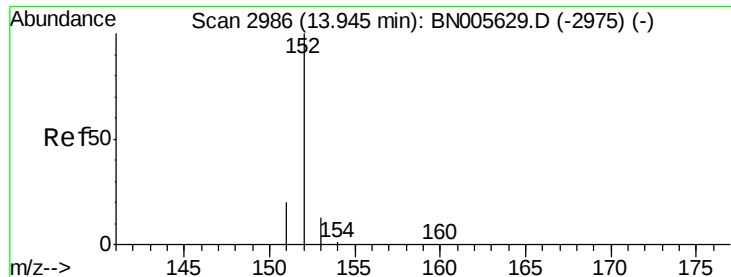
Delta R.T. -0.01 min

Lab File: BN005632.D

Acq: 11 May 2019 18:24

Tgt Ion:	142	Resp:	520
Ion Ratio	Lower	Upper	
142	100		
141	90.0	72.2	108.2





#7

Acenaphthylene

Concen: 0.214 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BN005632.D

Acq: 11 May 2019 18:24

Instrument :

BNA_N

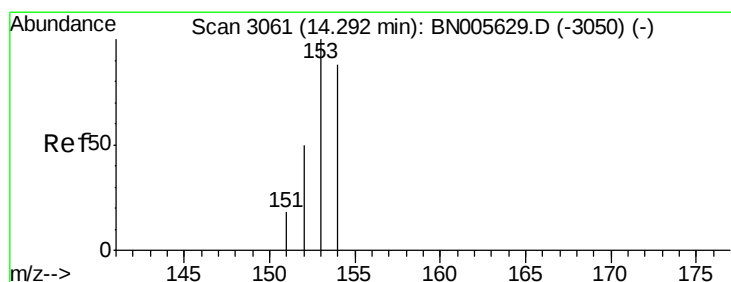
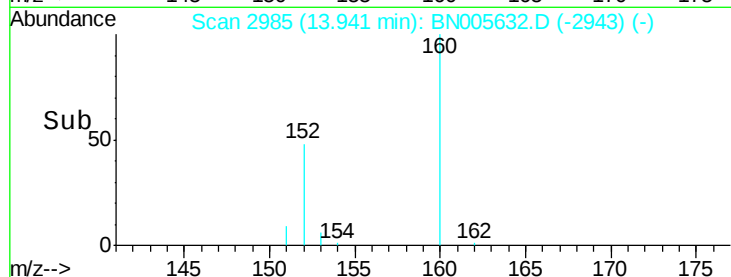
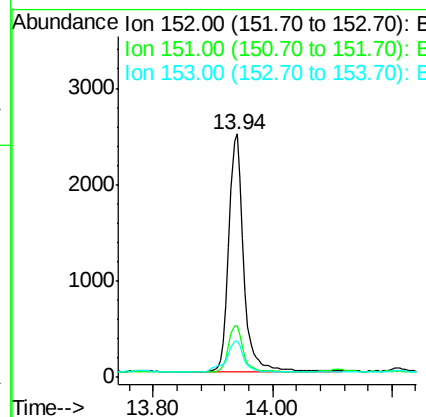
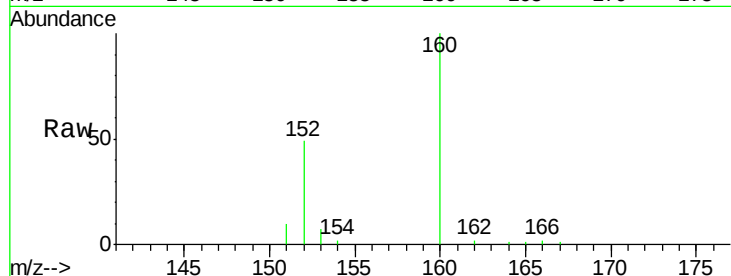
ClientSampleId :

A5138

Tgt Ion:	152	Resp:	4350
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.7	25.1
153	14.9	11.6	17.4

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#8

Acenaphthene

Concen: 0.169 ng/ul

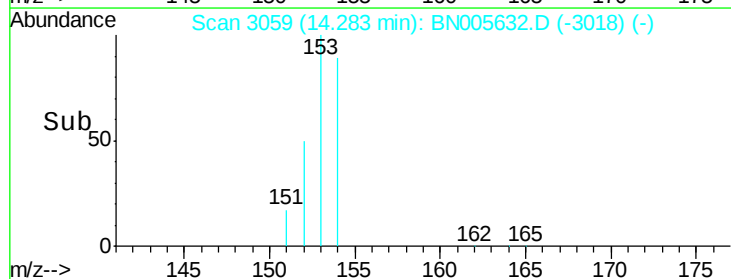
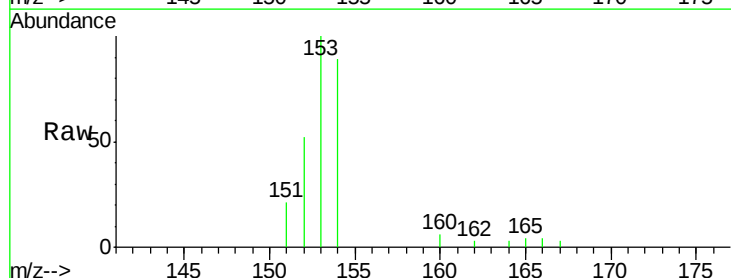
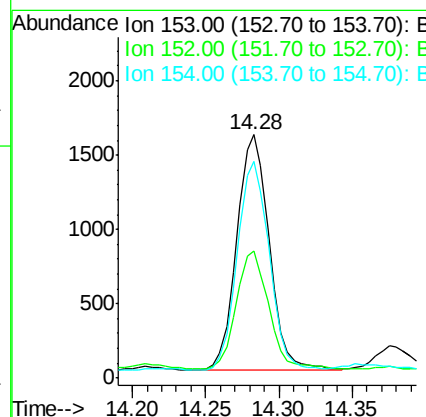
RT: 14.28 min Scan# 3059

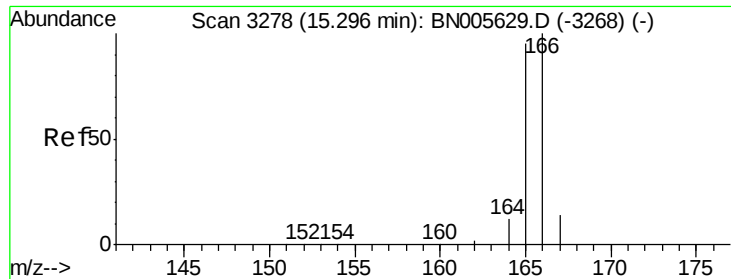
Delta R.T. -0.01 min

Lab File: BN005632.D

Acq: 11 May 2019 18:24

Tgt Ion:	153	Resp:	2428
Ion Ratio	Lower	Upper	
153	100		
152	52.0	40.8	61.2
154	89.1	73.2	109.8





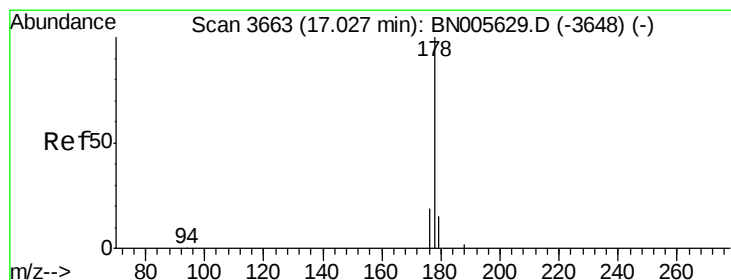
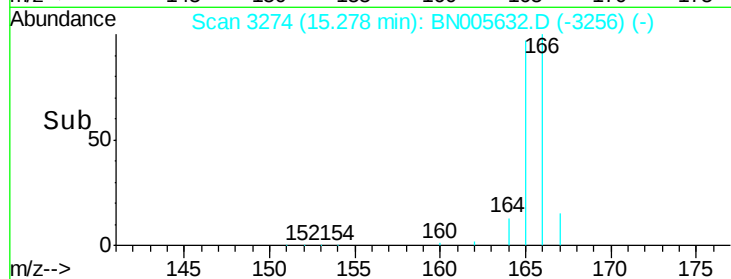
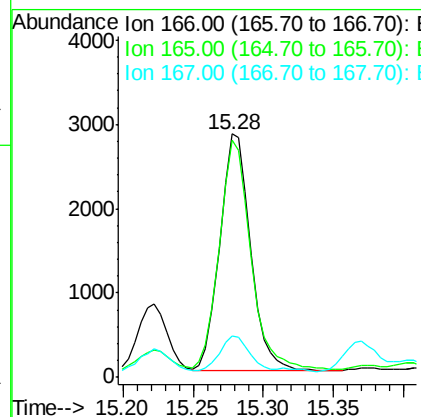
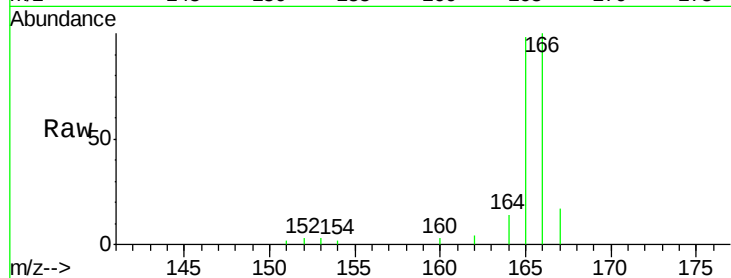
#9
Fluorene
 Concen: 0.255 ng/ul
 RT: 15.28 min Scan# 3274
 Delta R.T. -0.02 min
 Lab File: BN005632.D
 Acq: 11 May 2019 18:24

Instrument :
 BNA_N
 ClientSampleId :
 A5138

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.0	117.0
167	16.9	12.2	18.4

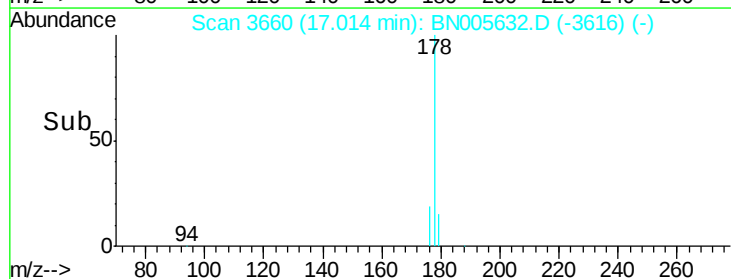
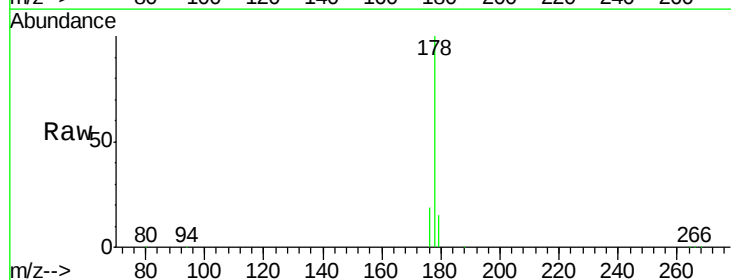
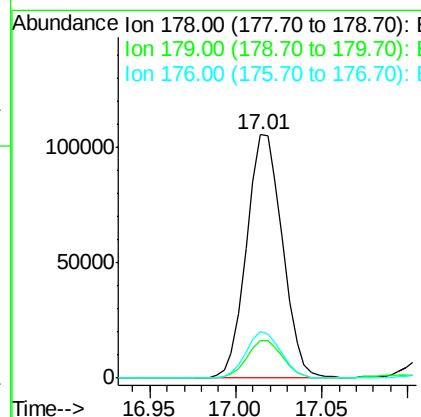
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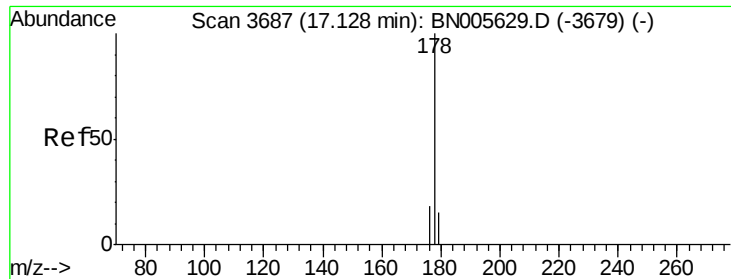
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#12
Phenanthrene
 Concen: 5.857 ng/ul m
 RT: 17.01 min Scan# 3660
 Delta R.T. -0.01 min
 Lab File: BN005632.D
 Acq: 11 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.8	19.2
176	19.0	15.3	22.9





#13

Anthracene

Concen: 0.561 ng/ul m

RT: 17.11 min Scan# 3683

Delta R.T. -0.02 min

Lab File: BN005632.D

Acq: 11 May 2019 18:24

Instrument :

BNA_N

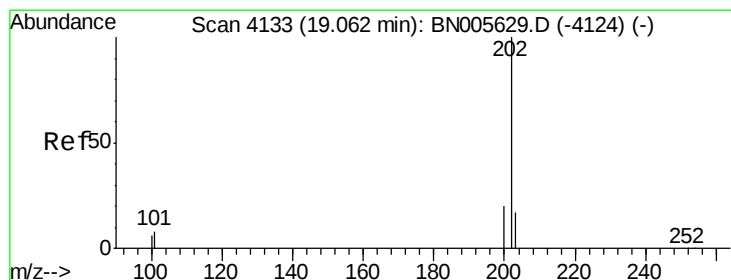
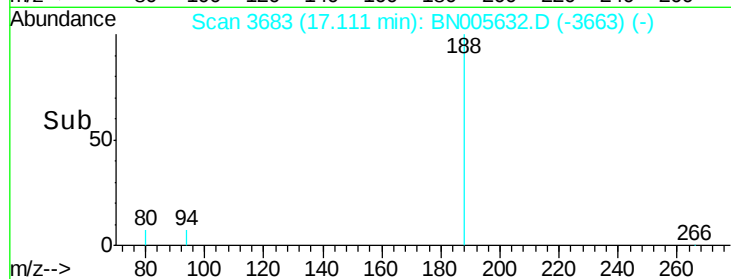
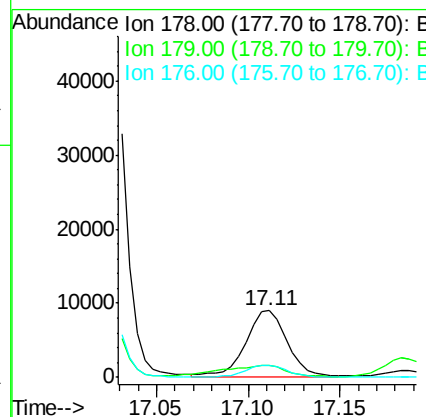
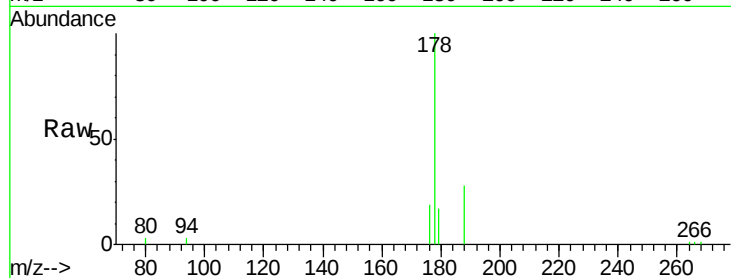
ClientSampleId :

A5138

Tgt Ion:	178	Resp:	14562
Ion Ratio	Lower	Upper	
178	100		
179	17.4	13.4	20.2
176	18.5	15.1	22.7

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#15

Fluoranthene

Concen: 11.244 ng/ul m

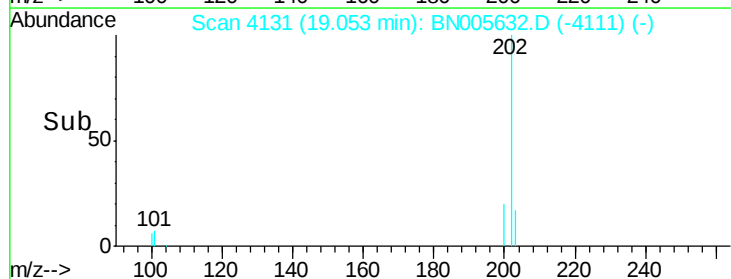
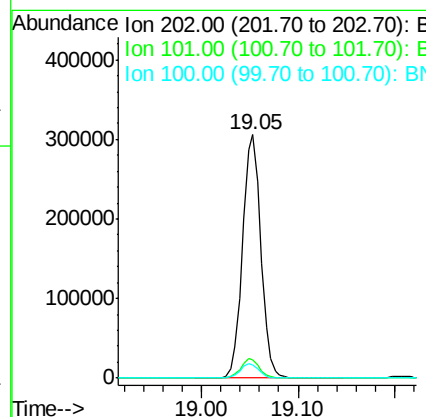
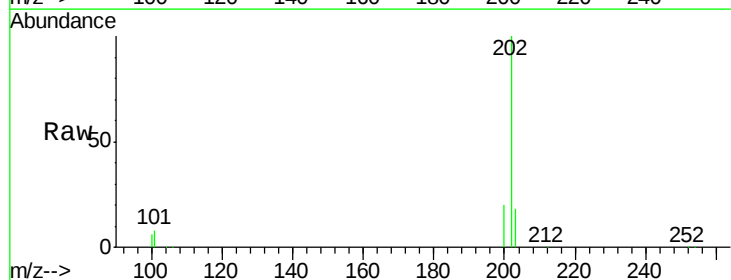
RT: 19.05 min Scan# 4131

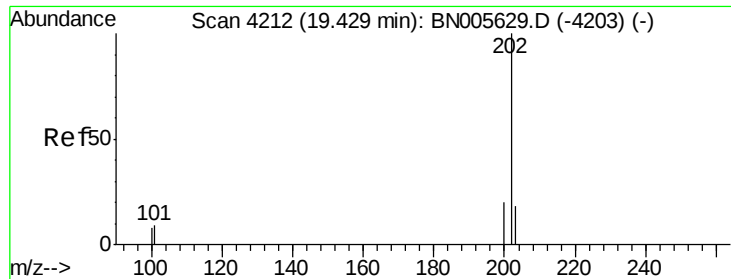
Delta R.T. -0.01 min

Lab File: BN005632.D

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Tgt Ion:	202	Resp:	404658
Ion Ratio	Lower	Upper	
202	100		
101	7.5	0.0	29.4
100	5.6	0.0	27.1





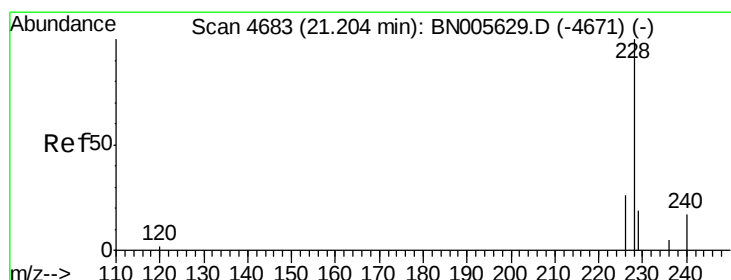
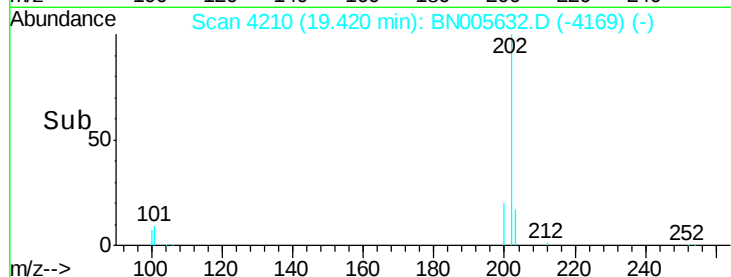
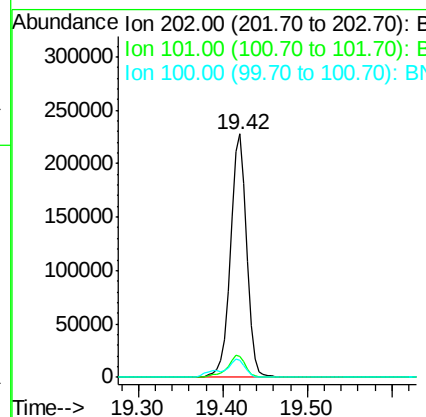
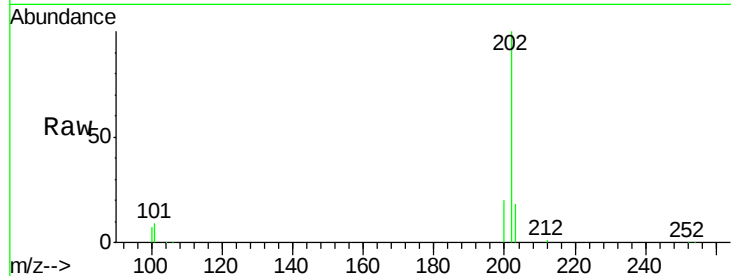
#17
 Pyrene
 Concen: 12.090 ng/ul
 RT: 19.42 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: BN005632.D
 Acq: 11 May 2019 18:24

Instrument :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.7	8.5	12.7
100	7.0	6.9	10.3

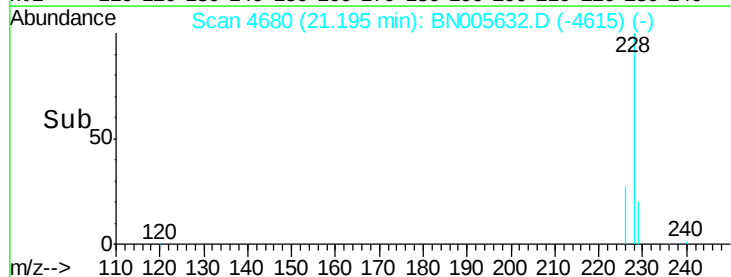
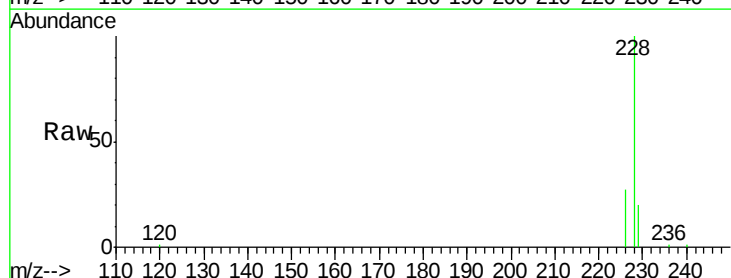
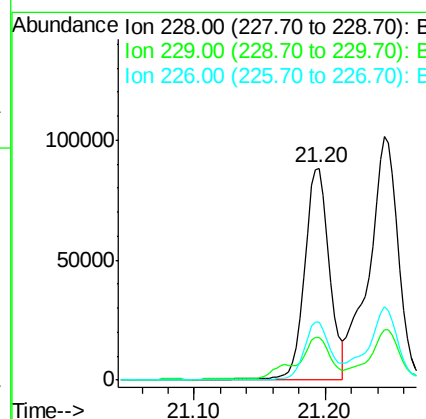
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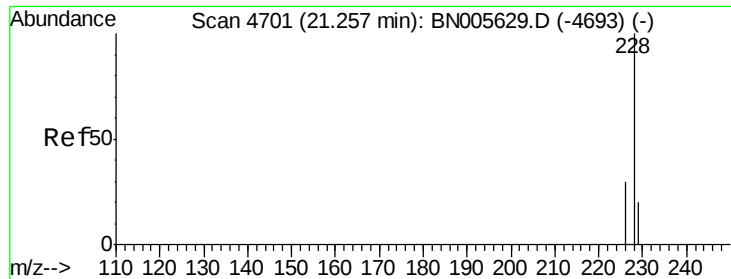
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#18
 Benzo(a)anthracene
 Concen: 4.822 ng/ul
 RT: 21.20 min Scan# 4680
 Delta R.T. -0.01 min
 Lab File: BN005632.D
 Acq: 11 May 2019 18:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.4	15.8	23.8
226	27.4	21.7	32.5





#19

Chrysene

Concen: 5.382 ng/ul

RT: 21.24 min Scan# 4697

Delta R.T. -0.01 min

Lab File: BN005632.D

Acq: 11 May 2019 18:24

Instrument :

BNA_N

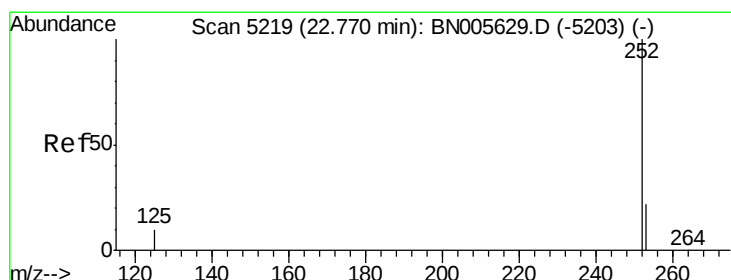
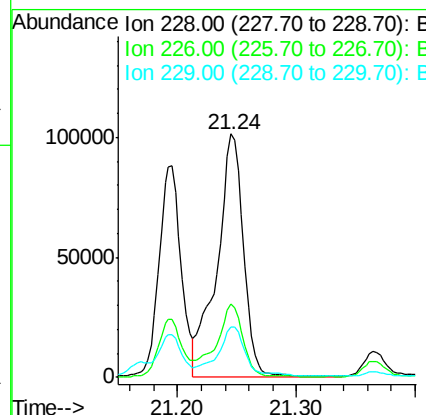
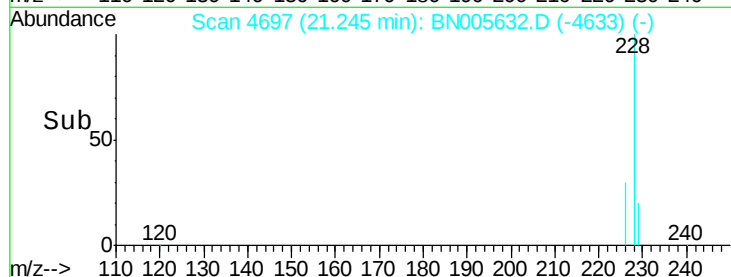
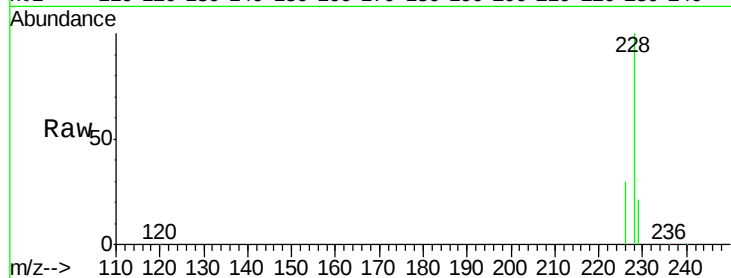
ClientSampleId :

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Tgt Ion:	228	Resp:	157113
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.2	34.8
229	20.7	16.0	24.0

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#21

Benzo(b)fluoranthene

Concen: 10.923 ng/ul m

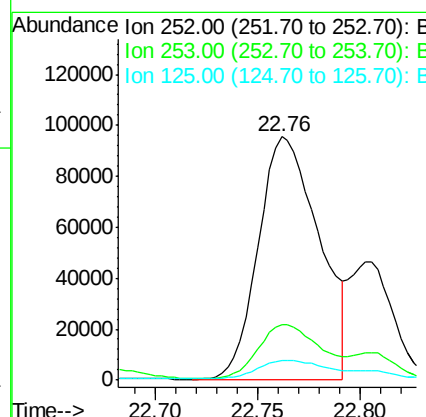
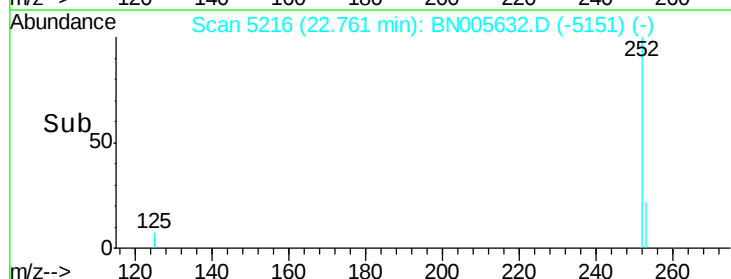
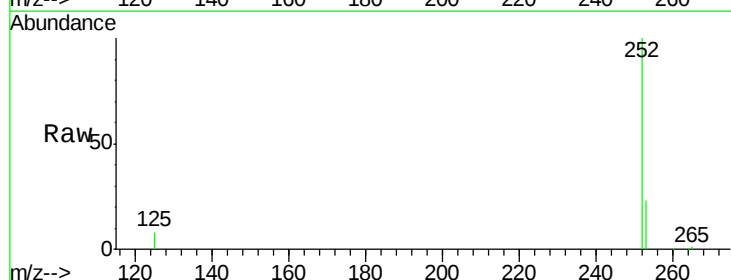
RT: 22.76 min Scan# 5216

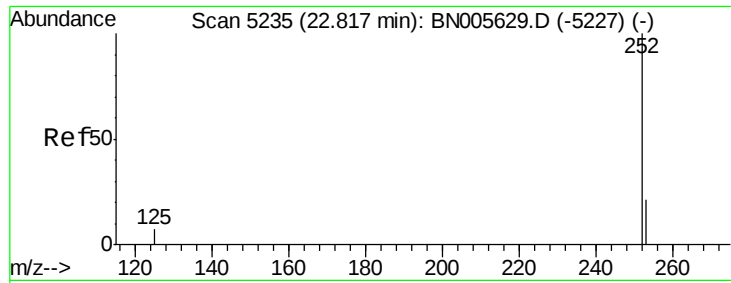
Delta R.T. -0.01 min

Lab File: BN005632.D

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Tgt Ion:	252	Resp:	197278
Ion Ratio	Lower	Upper	
252	100		
253	22.8	0.0	47.6
125	8.2	0.0	20.8





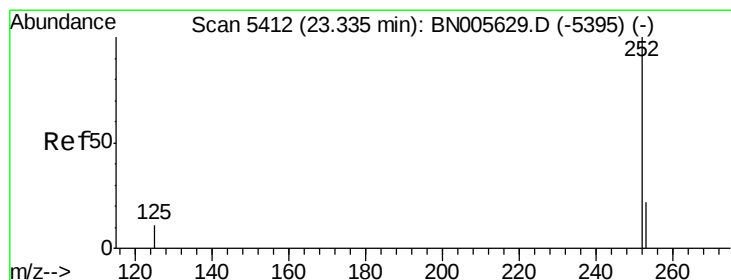
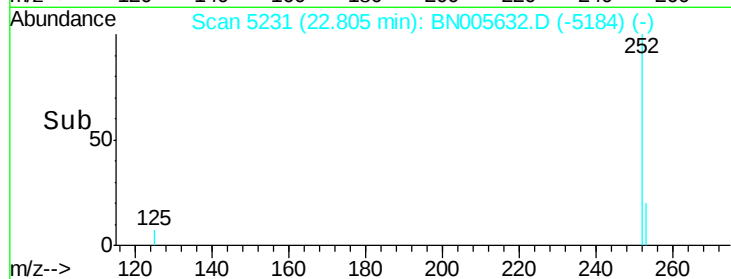
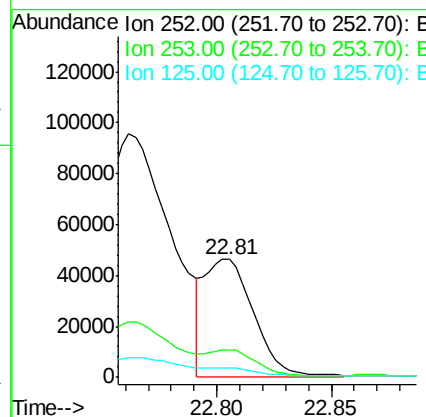
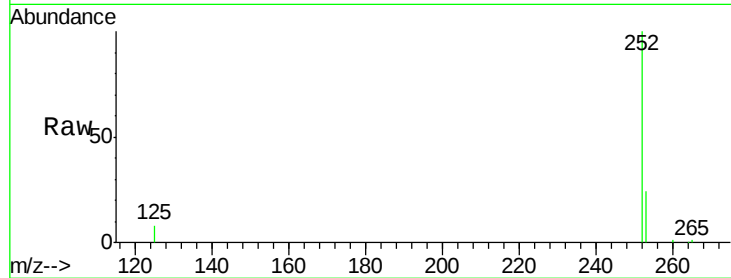
#22
Benzo(k)fluoranthene
Concen: 3.112 ng/ul m
RT: 22.81 min Scan# 5231
Delta R.T. -0.01 min
Lab File: BN005632.D
Acq: 11 May 2019 18:24

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.8	28.2
125	8.4	7.6	11.4

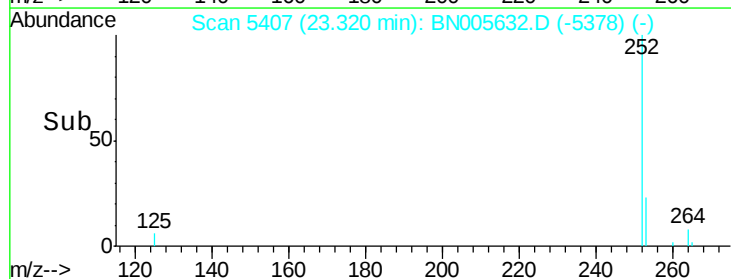
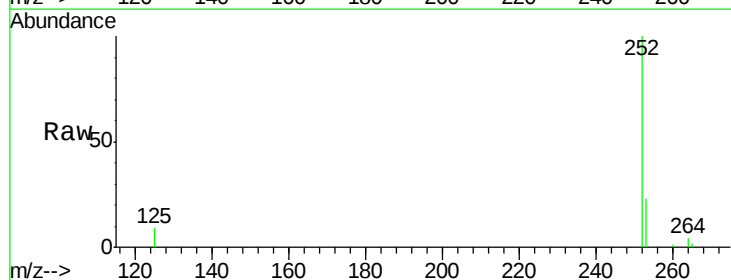
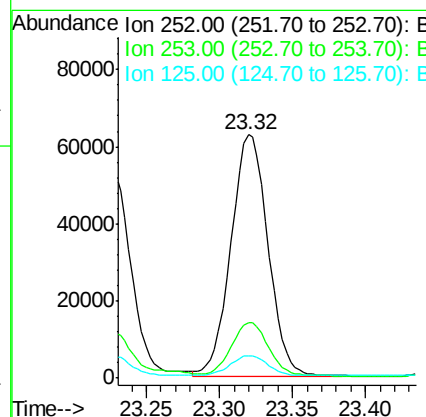
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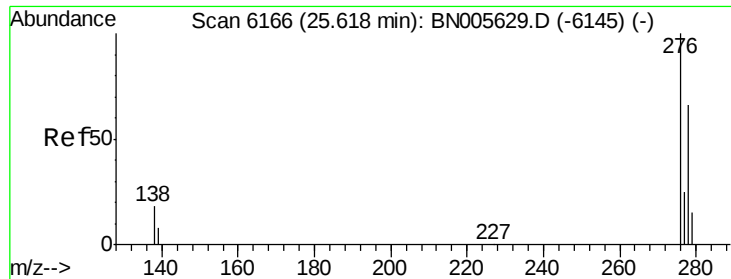
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#23
Benzo(a)pyrene
Concen: 5.501 ng/ul m
RT: 23.32 min Scan# 5407
Delta R.T. -0.01 min
Lab File: BN005632.D
Acq: 11 May 2019 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.6	29.4
125	9.4	10.1	15.1#





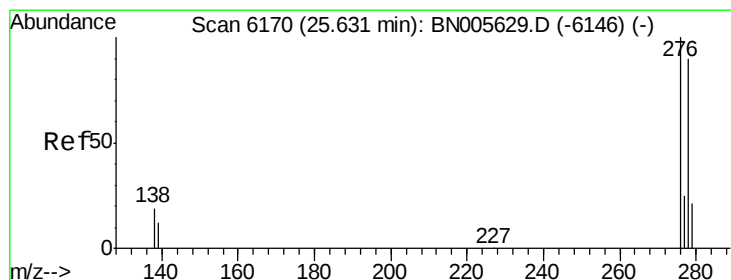
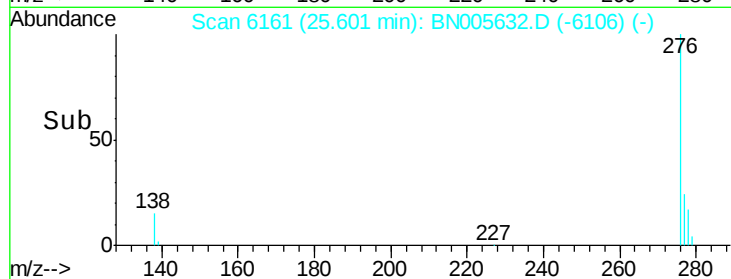
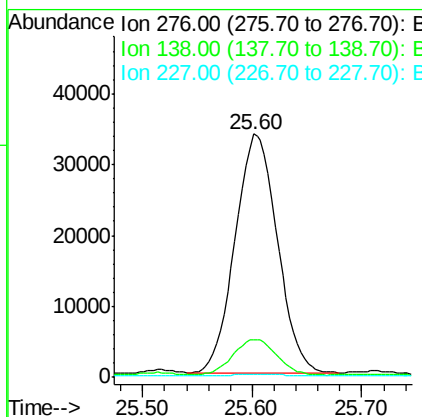
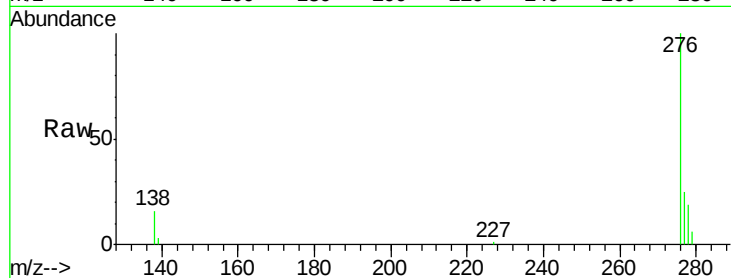
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.022 ng/ul m
 RT: 25.60 min Scan# 6161
 Delta R.T. -0.02 min
 Lab File: BN005632.D
 Acq: 11 May 2019 18:24

Instrument :
 BNA_N
 ClientSampleId :
 A5138

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	1.3	15.8	23.8#
227	0.0	0.1	0.1#

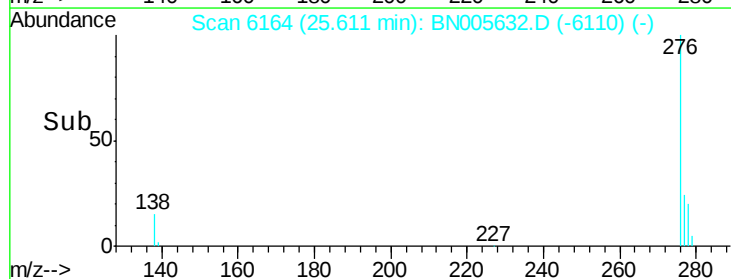
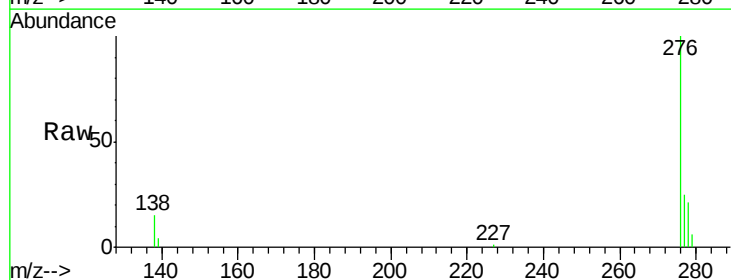
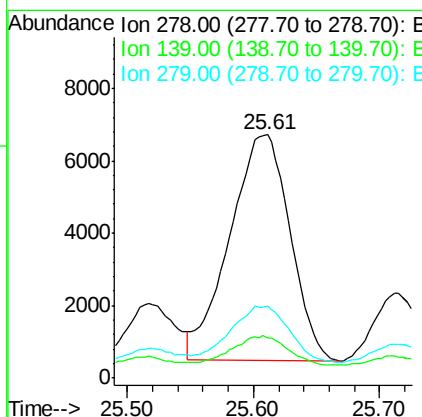
Manual Integrations
 APPROVED

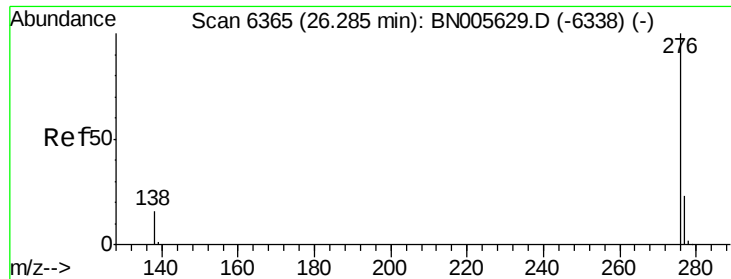
mohammad
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#25
 Dibenzo(a,h)anthracene
 Concen: 1.112 ng/ul m
 RT: 25.61 min Scan# 6164
 Delta R.T. -0.02 min
 Lab File: BN005632.D
 Acq: 11 May 2019 18:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	16.5	12.4	18.6
279	29.7	21.0	31.4





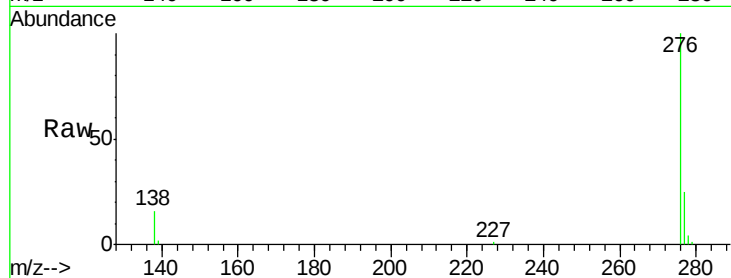
#26
Benzo(g,h,i)perylene
Concen: 4.519 ng/ul m
RT: 26.27 min Scan# 6361
Delta R.T. -0.01 min
Lab File: BN005632.D
Acq: 11 May 2019 18:24

Instrument :
BNA_N
ClientSampleId :
A5138

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	15.6	23.4
277	24.6	20.6	31.0

Manual Integrations
APPROVED

mohammad
5/14/2019 3:45:53 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

