

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
 Data File : BN008602.D
 Acq On : 18 Nov 2019 14:06
 Operator : JU
 Sample : K5678-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM69

Manual Integrations
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mohammad
 11/19/2019 2:44:33 PM

Quant Time: Nov 18 14:49:48 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 : Fri Nov 15 22:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	3160	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11090	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	7529	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	12897	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	9428	0.40	ng/ul	0.01
20) Perylene-d12	23.40	264	10996	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3766	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	7958	0.20	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	17131	0.512	ng/ul	100
5) 2-Methylnaphthalene	12.06	142	6317	0.271	ng/ul	100
7) Acenaphthylene	13.96	152	5238	0.126	ng/ul#	87
8) Acenaphthene	14.31	153	1574	0.051	ng/ul#	92
9) Fluorene	15.30	166	2630	0.073	ng/ul#	74
11) Pentachlorophenol	16.65	266	3600	0.738	ng/ul	96
12) Phenanthrene	17.03	178	49646	1.141	ng/ul#	93
13) Anthracene	17.12	178	9168	0.223	ng/ul#	45
15) Fluoranthene	19.06	202	64190	1.201	ng/ul	89
17) Pyrene	19.42	202	125192	3.310	ng/ul	98
18) Benzo(a)anthracene	21.19	228	38039	1.003	ng/ul#	59
19) Chrysene	21.24	228	102214	2.745	ng/ul#	79
21) Benzo(b)fluoranthene	22.75	252	96732m	2.133	ng/ul	
22) Benzo(k)fluoranthene	22.78	252	18954m	0.421	ng/ul	
23) Benzo(a)pyrene	23.31	252	81755	1.921	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.57	276	49372	0.992	ng/ul#	78
25) Dibenzo(a,h)anthracene	25.57	278	16801	0.418	ng/ul#	1
26) Benzo(g,h,i)perylene	26.23	276	141514	3.399	ng/ul#	86

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

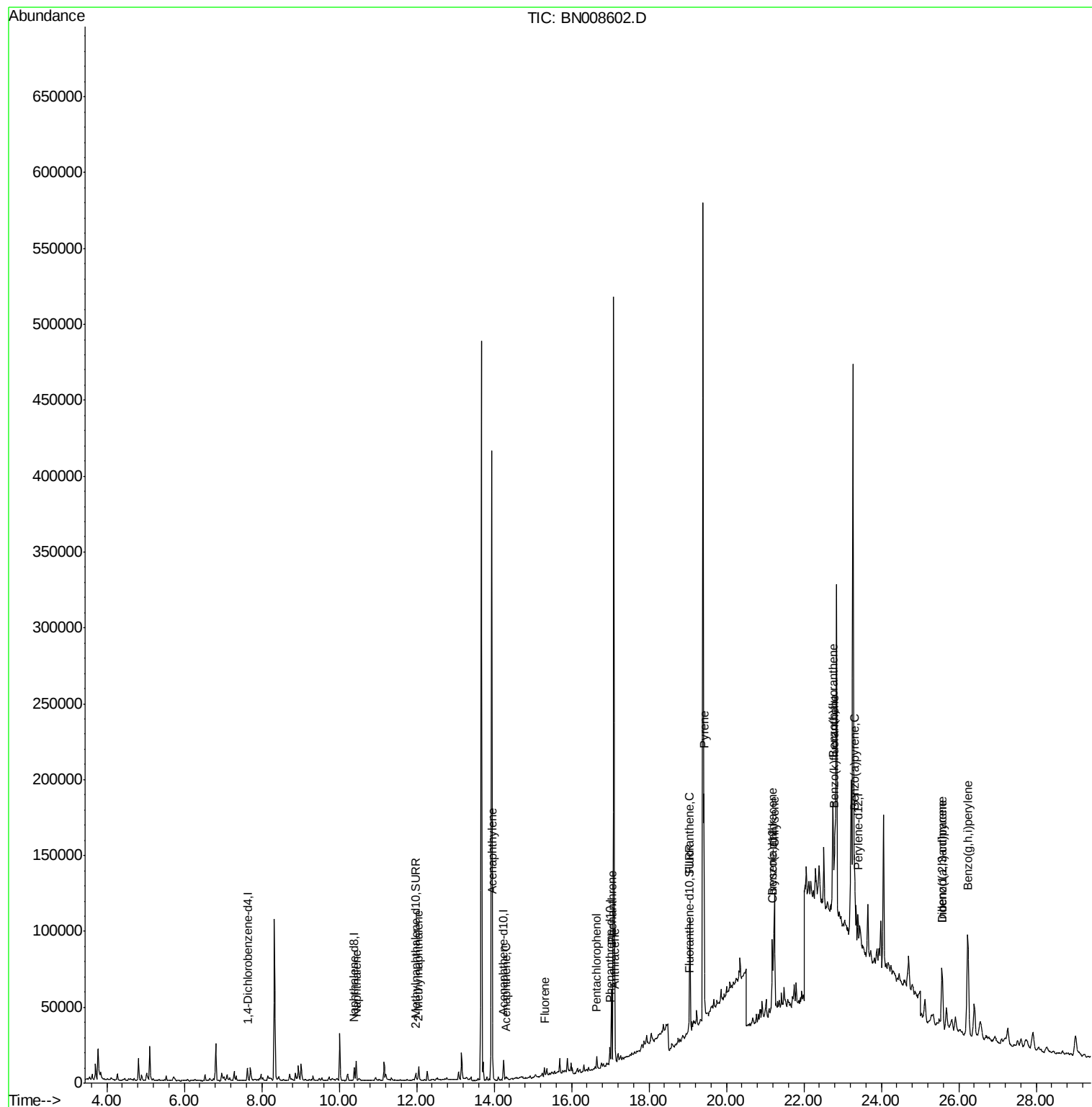
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
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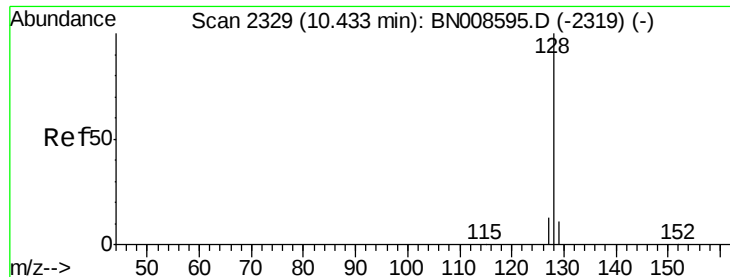
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#3

Naphthalene

Concen: 0.512 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. 0.00 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Instrument :

BNA_N

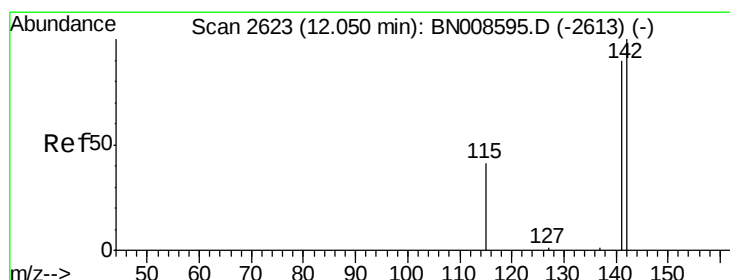
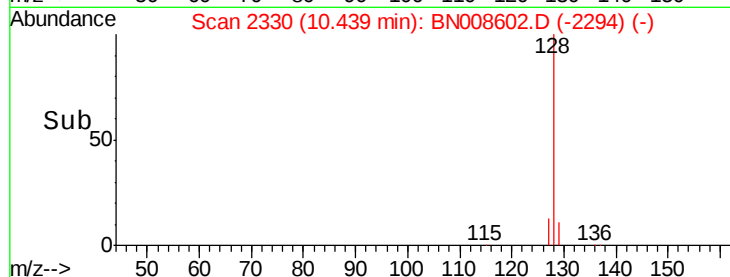
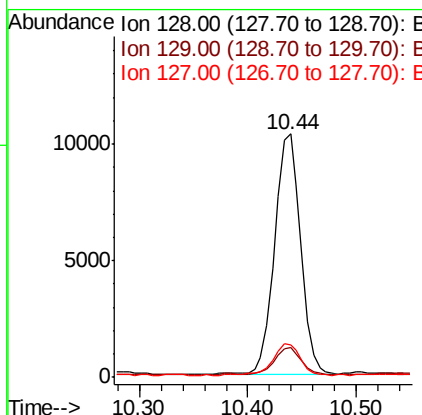
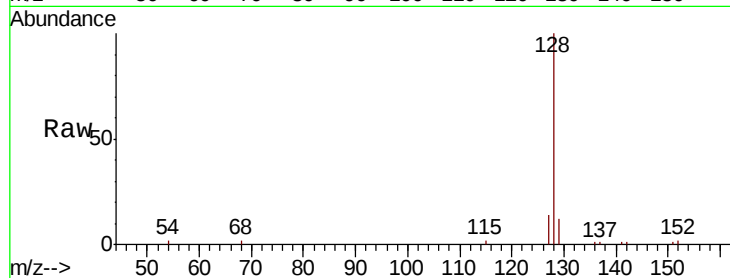
ClientSampleId :

JLM69

Tot Ion:128	Resp:	17131
Ion Ratio	Lower	Upper
128	100	
129	12.0	9.7 14.5
127	13.6	10.8 16.2

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#5

2-Methylnaphthalene

Concen: 0.271 ng/ul

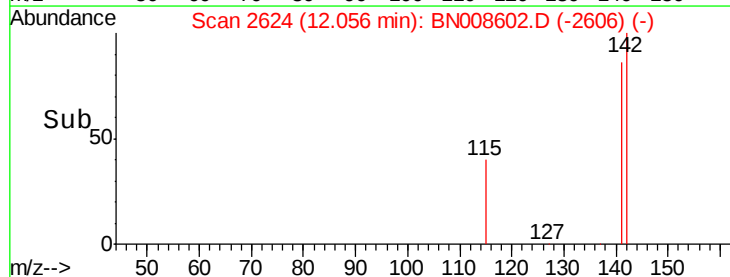
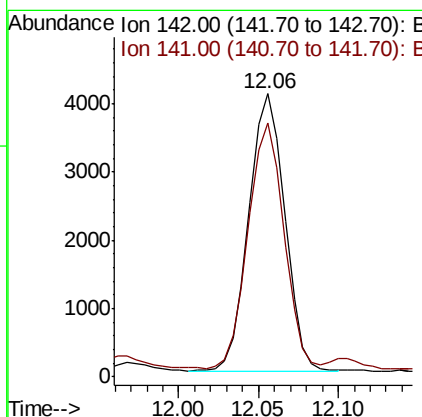
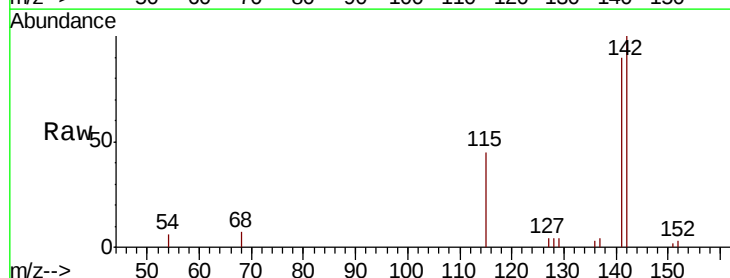
RT: 12.06 min Scan# 2624

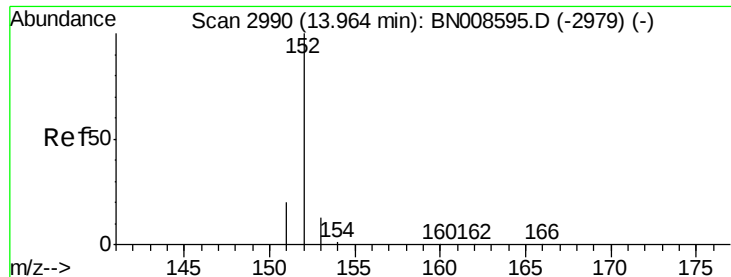
Delta R.T. 0.00 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Tgt Ion:142	Resp:	6317
Ion Ratio	Lower	Upper
142	100	
141	88.4	70.5 105.7





#7

Acenaphthylene

Concen: 0.126 ng/ul

RT: 13.96 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Instrument :

BNA_N

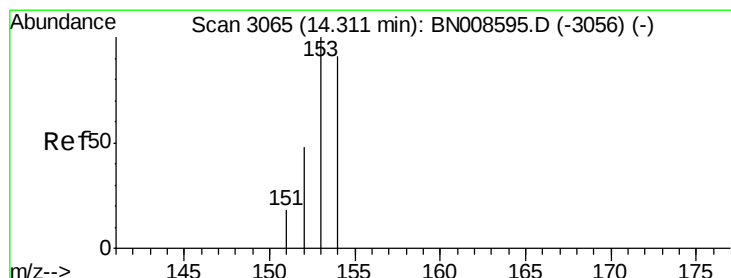
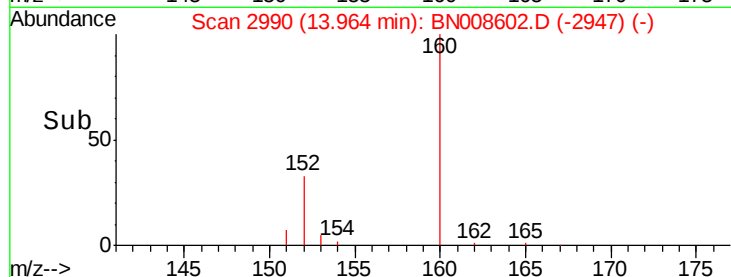
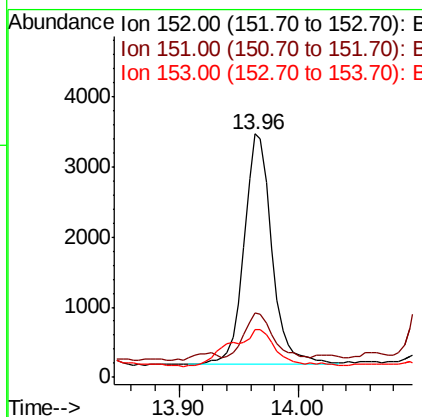
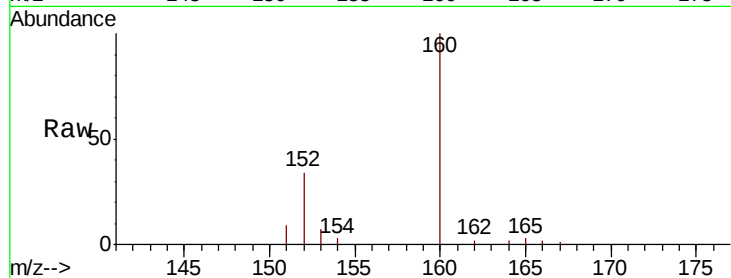
ClientSampleId :

JLM69

Tot Ion:	152	Resp:	5238
Ion Ratio	Lower	Upper	
152	100		
151	26.4	16.6	24.8#
153	19.4	11.1	16.7#

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#8

Acenaphthene

Concen: 0.051 ng/ul

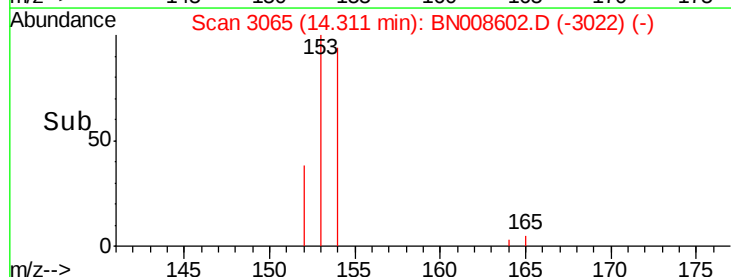
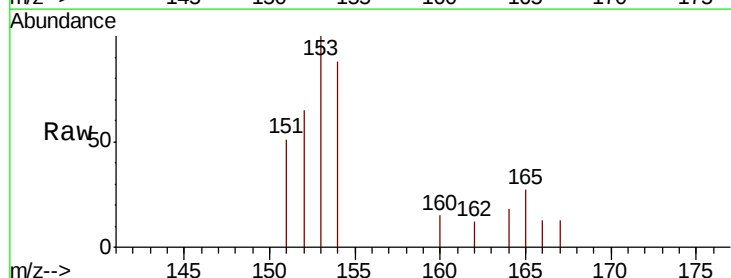
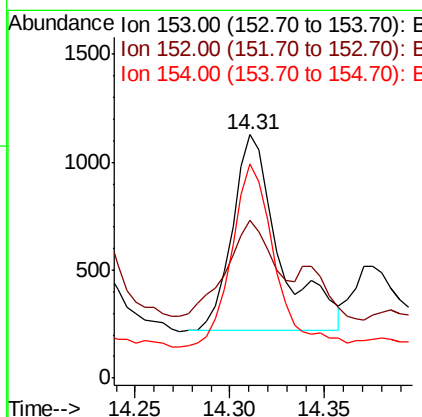
RT: 14.31 min Scan# 3065

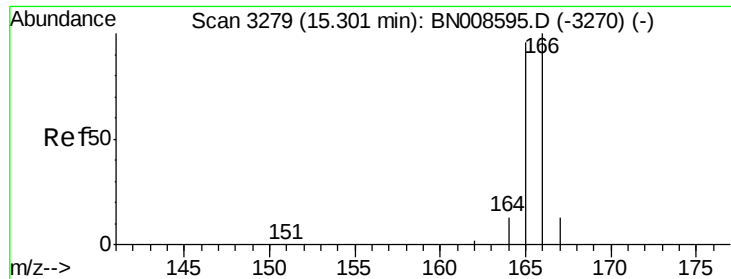
Delta R.T. 0.00 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Tgt Ion:	153	Resp:	1574
Ion Ratio	Lower	Upper	
153	100		
152	65.1	39.6	59.4#
154	87.9	70.6	106.0





#9

Fluorene

Concen: 0.073 ng/ul

RT: 15.30 min Scan# 3279

Delta R.T. 0.00 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Instrument :

BNA_N

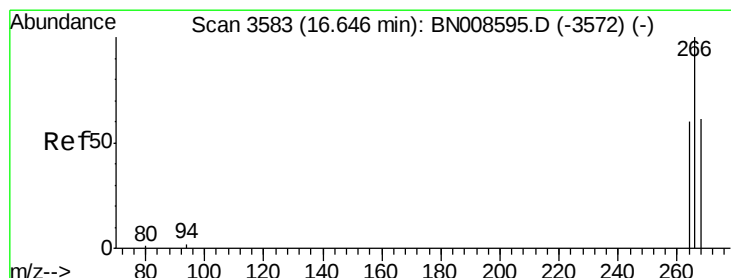
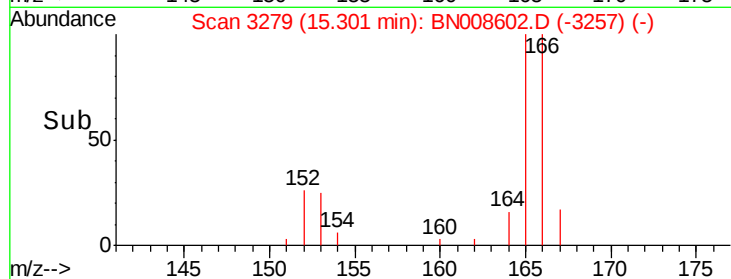
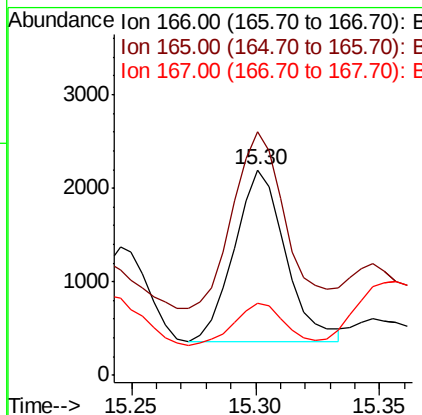
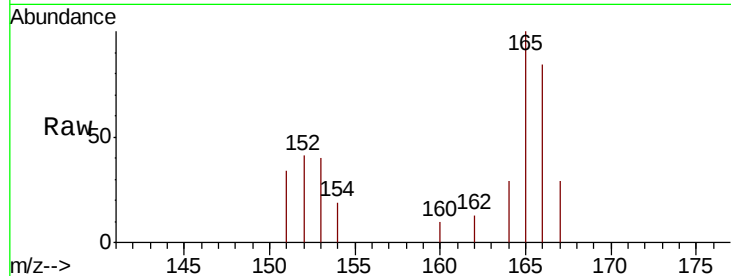
ClientSampleId :

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Tot Ion:	166	Resp:	2630
Ion Ratio	Lower	Upper	
166	100		
165	118.4	77.4	116.0#
167	34.7	11.4	17.0#

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#11

Pentachlorophenol

Concen: 0.738 ng/ul

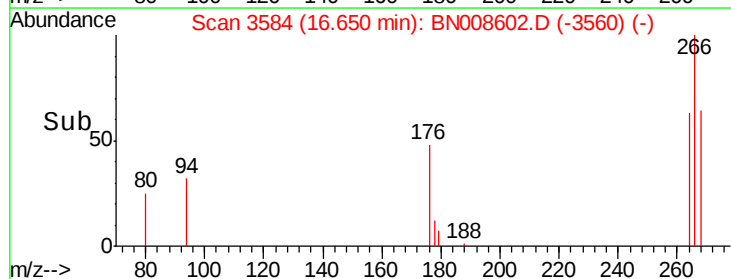
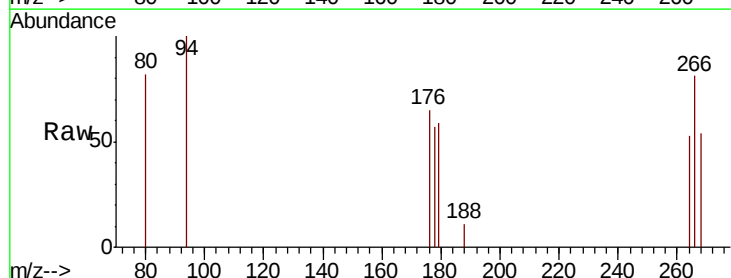
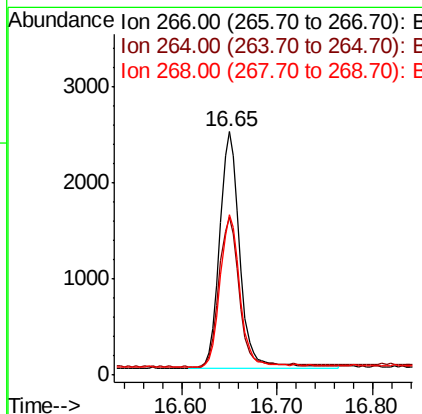
RT: 16.65 min Scan# 3584

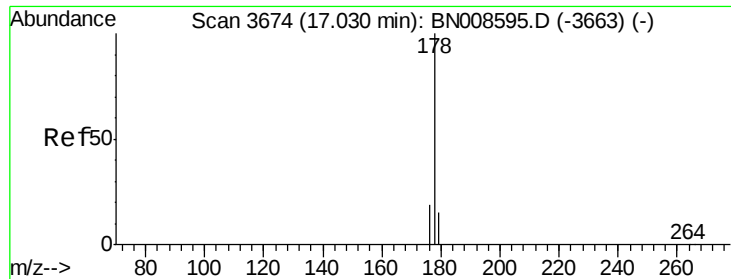
Delta R.T. 0.00 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Tgt Ion:	266	Resp:	3600
Ion Ratio	Lower	Upper	
266	100		
264	65.7	49.2	73.8
268	64.9	50.9	76.3





#12

Phenanthrene

Concen: 1.141 ng/ul

RT: 17.03 min Scan# 3675

Delta R.T. 0.00 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Instrument :

BNA_N

ClientSampleId :

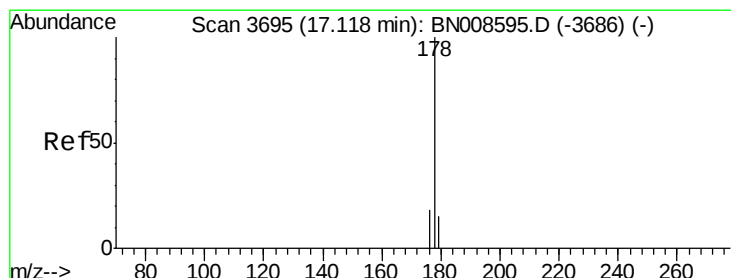
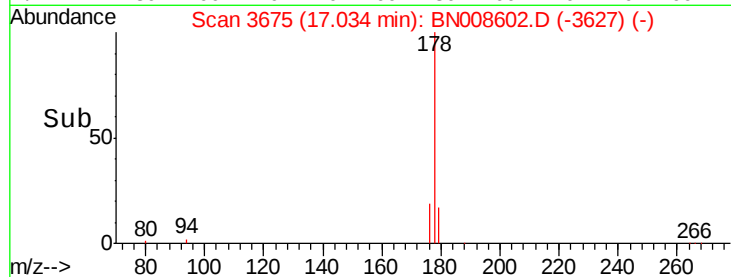
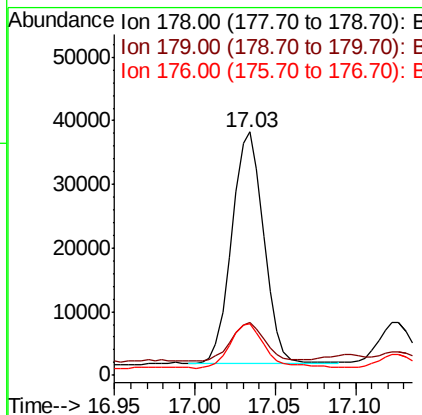
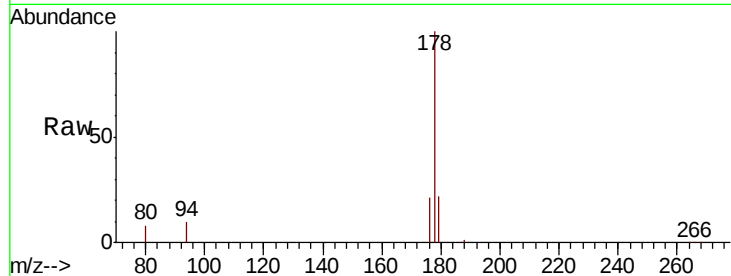
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Tot Ion:178 Resp: 49646

Ion	Ratio	Lower	Upper
178	100		
179	21.6	12.8	19.2#
176	21.2	16.0	24.0

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#13

Anthracene

Concen: 0.223 ng/ul

RT: 17.12 min Scan# 3696

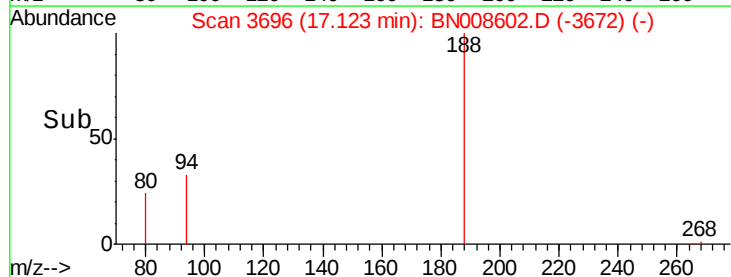
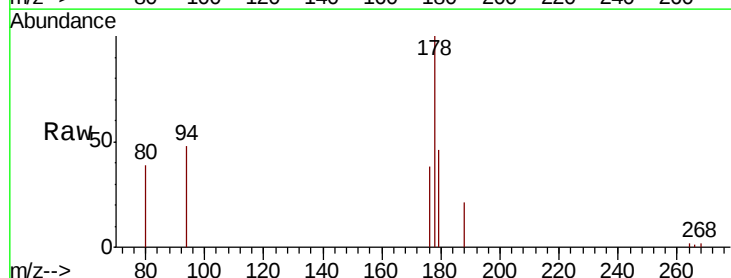
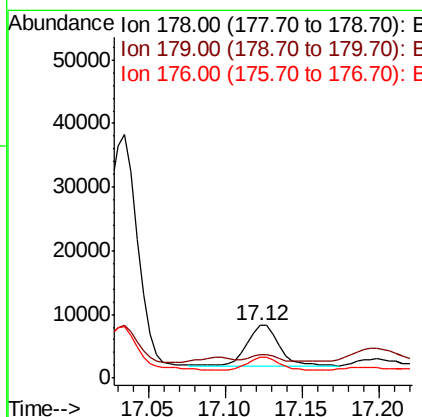
Delta R.T. 0.00 min

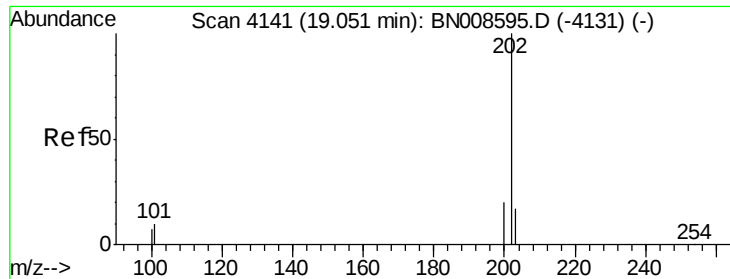
Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Tgt Ion:178 Resp: 9168

Ion	Ratio	Lower	Upper
178	100		
179	45.6	13.0	19.4#
176	38.3	15.3	22.9#





#15

Fluoranthene

Concen: 1.201 ng/ul

RT: 19.06 min Scan# 4142

Delta R.T. 0.00 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Instrument :

BNA_N

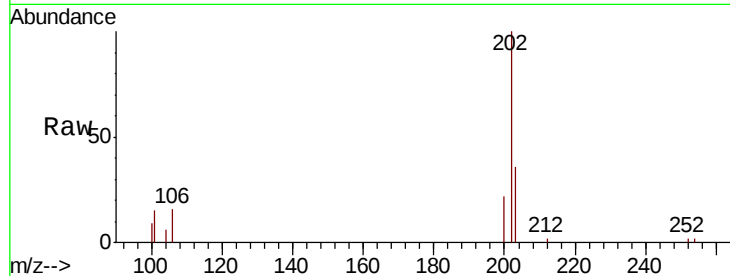
ClientSampleId :

JLM69

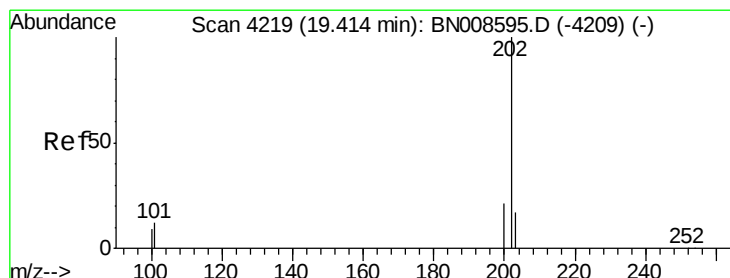
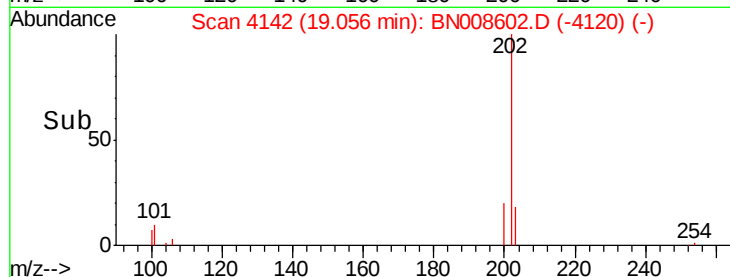
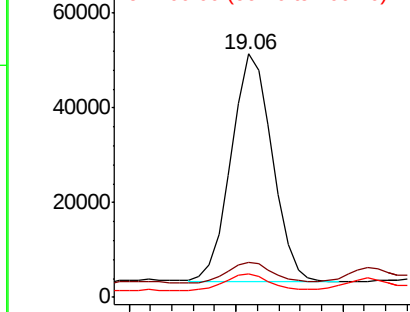
Tot Ion:	202	Resp:	64190
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	29.6
100	9.4	0.0	27.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 3.310 ng/ul

RT: 19.42 min Scan# 4221

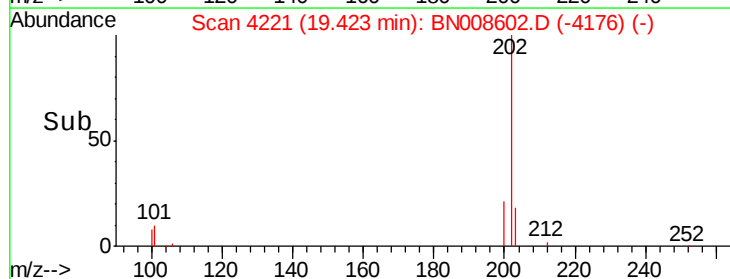
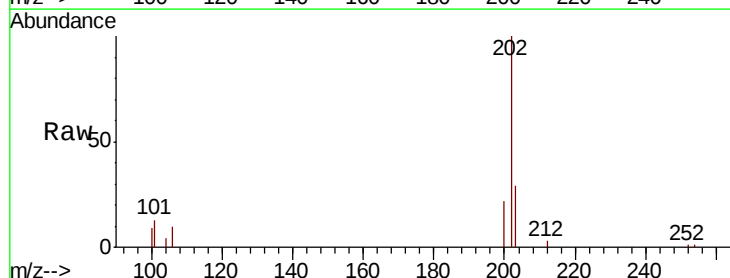
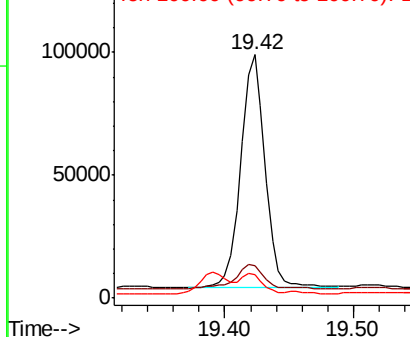
Delta R.T. 0.01 min

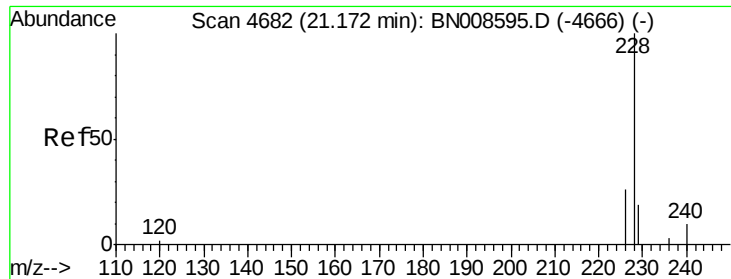
Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Tgt Ion:	202	Resp:	125192
Ion Ratio	Lower	Upper	
202	100		
101	13.4	10.2	15.2
100	9.4	8.2	12.2

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





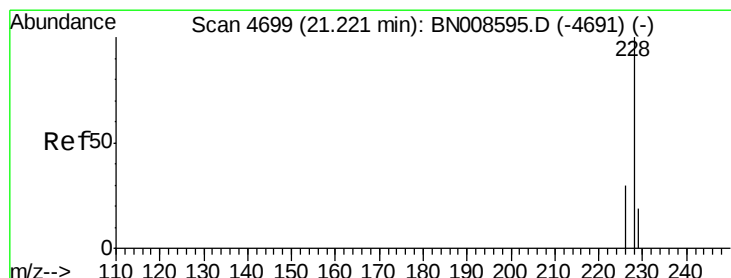
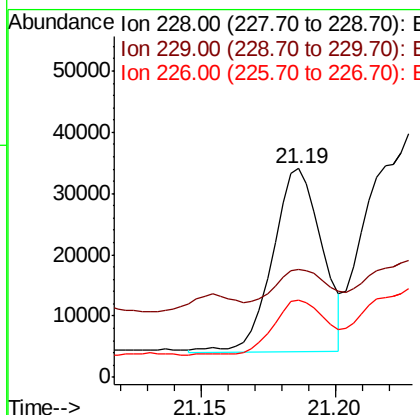
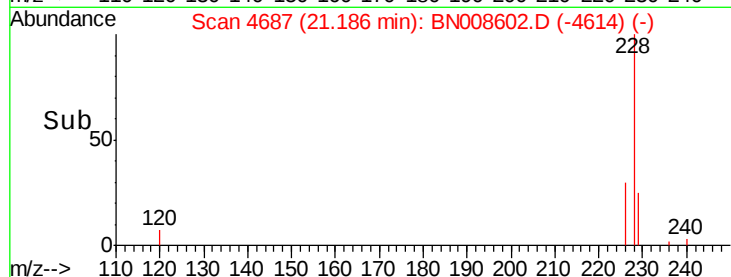
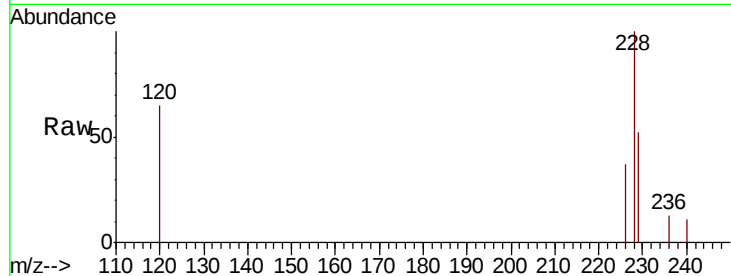
#18
Benzo(a)anthracene
Concen: 1.003 ng/ul
RT: 21.19 min Scan# 4687
Delta R.T. 0.01 min
Lab File: BN008602.D
Acq: 18 Nov 2019 14:06

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
228	100		
229	51.8	15.8	23.6#
226	37.1	21.6	32.4#

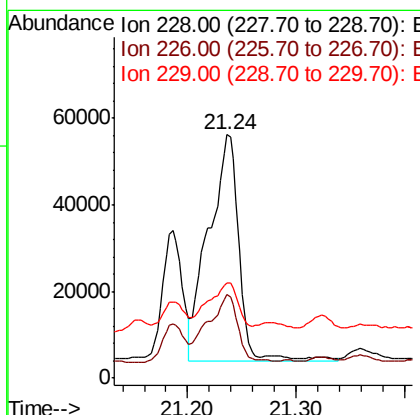
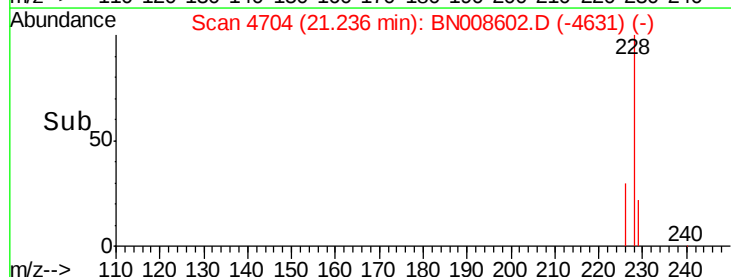
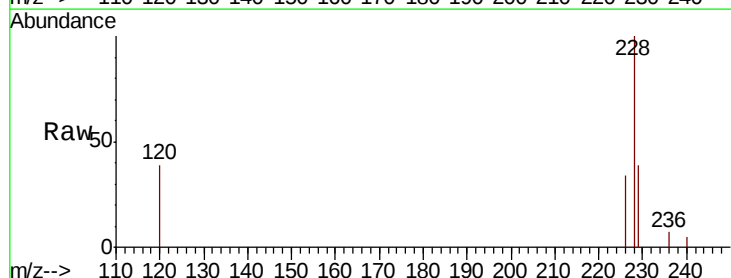
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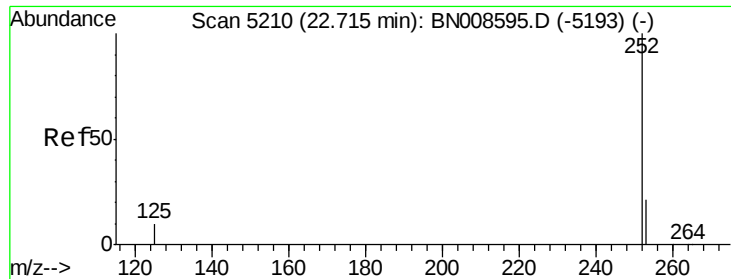
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#19
Chrysene
Concen: 2.745 ng/ul
RT: 21.24 min Scan# 4704
Delta R.T. 0.01 min
Lab File: BN008602.D
Acq: 18 Nov 2019 14:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	24.5	36.7
229	38.9	15.5	23.3#





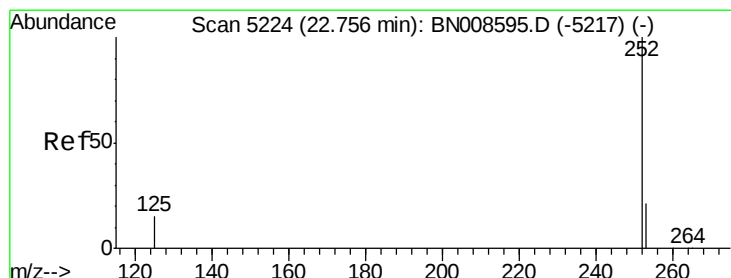
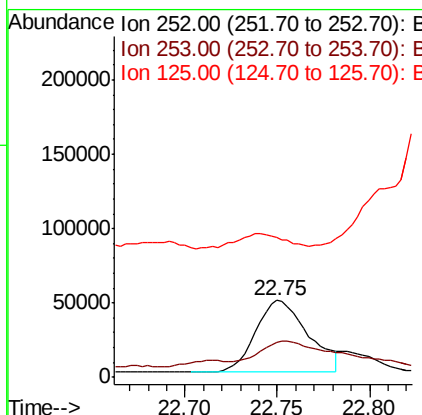
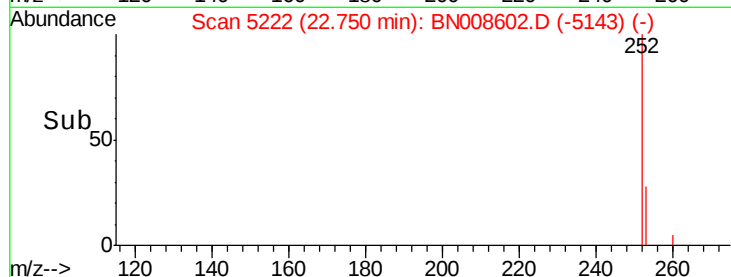
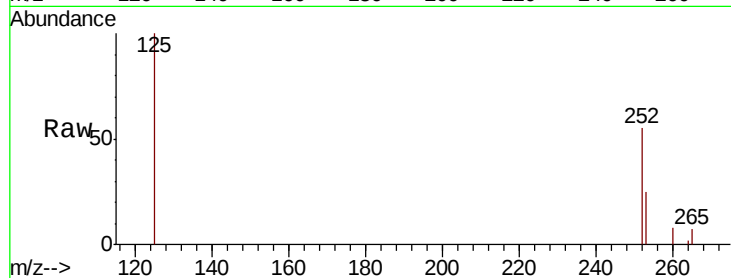
#21
Benzo(b)fluoranthene
Concen: 2.133 ng/ul m
RT: 22.75 min Scan# 5222
Delta R.T. 0.03 min
Lab File: BN008602.D
Acq: 18 Nov 2019 14:06

Instrument :
BNA_N
ClientSampleId :
JLM69

Tot Ion	Ratio	Lower	Upper
252	100		
253	45.3	0.0	50.2
125	181.3	0.0	30.0#

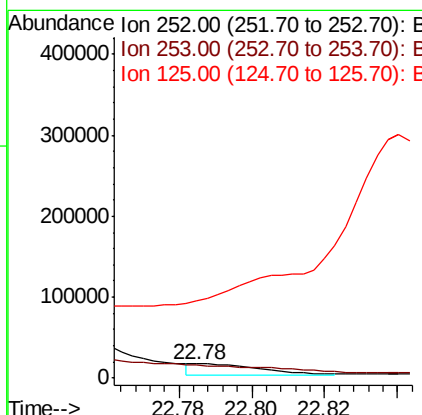
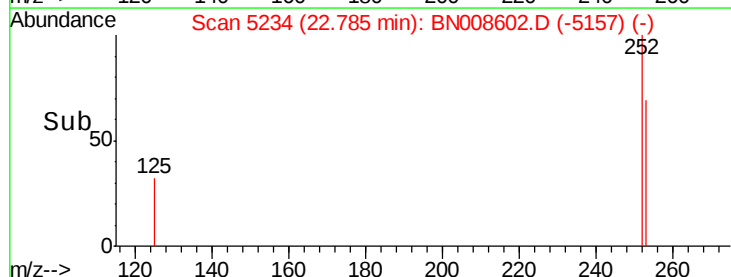
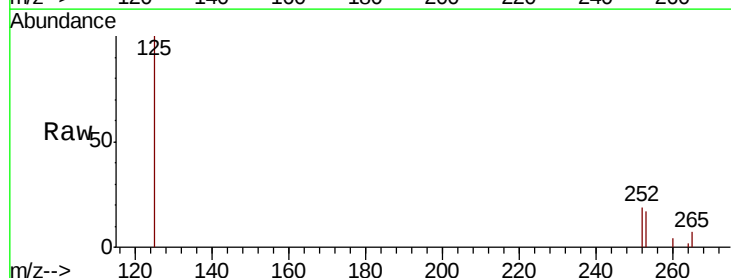
Manual Integrations
APPROVED

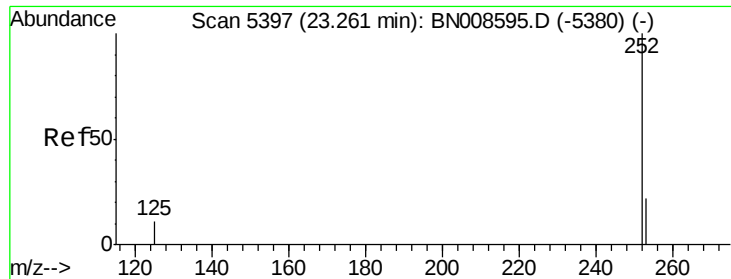
mohammad
11/19/2019 2:44:33 PM



#22
Benzo(k)fluoranthene
Concen: 0.421 ng/ul m
RT: 22.78 min Scan# 5234
Delta R.T. 0.03 min
Lab File: BN008602.D
Acq: 18 Nov 2019 14:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	92.0	20.5	30.7#
125	540.3	15.0	22.4#





#23

Benzo(a)pyrene

Concen: 1.921 ng/u1

RT: 23.31 min Scan# 5413

Delta R.T. 0.04 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Instrument :

BNA_N

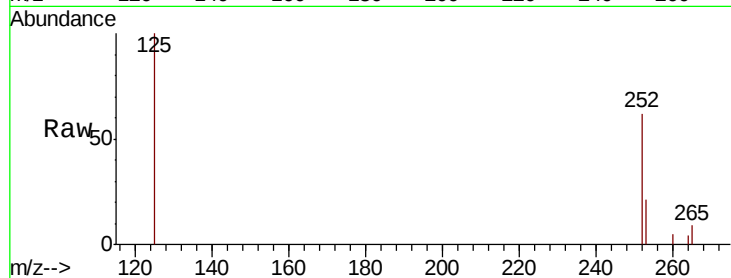
ClientSampleId :

JLM69

Tot Ion:	252	Resp:	81755
Ion Ratio	Lower	Upper	
252	100		
253	33.7	21.4	32.2#
125	160.6	13.8	20.8#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:44:33 PM

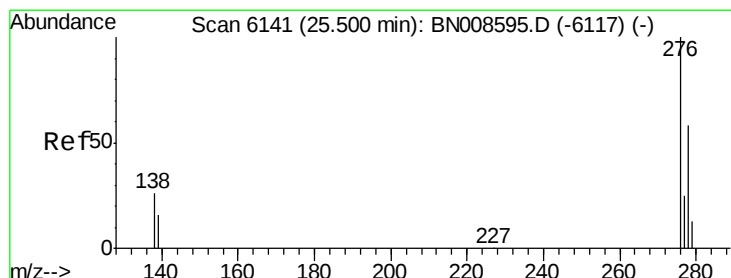
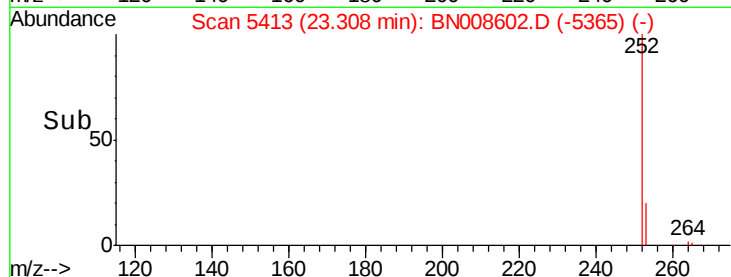
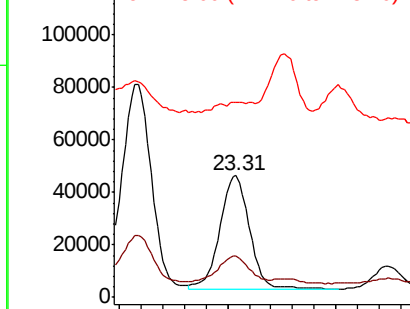


Abundance

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: 0.992 ng/u1

RT: 25.57 min Scan# 6162

Delta R.T. 0.06 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

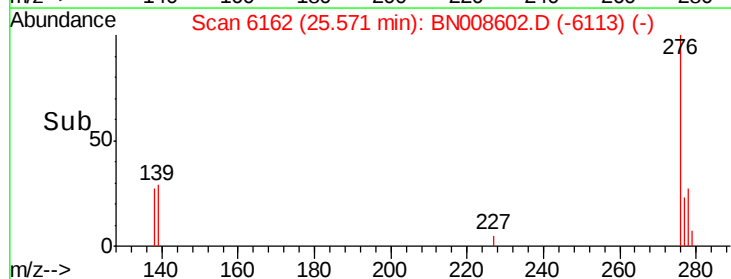
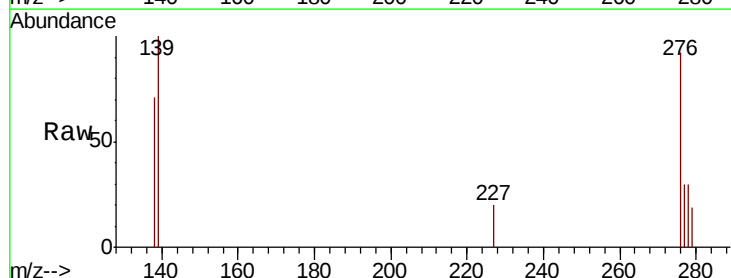
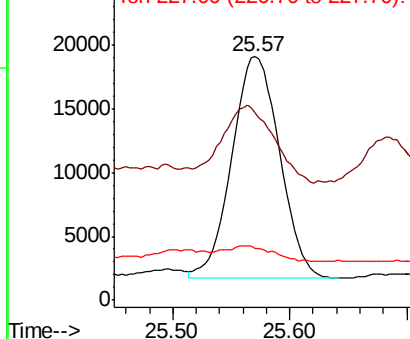
Tgt Ion:	276	Resp:	49372
Ion Ratio	Lower	Upper	
276	100		
138	38.8	21.7	32.5#
227	0.0	0.2	0.2#

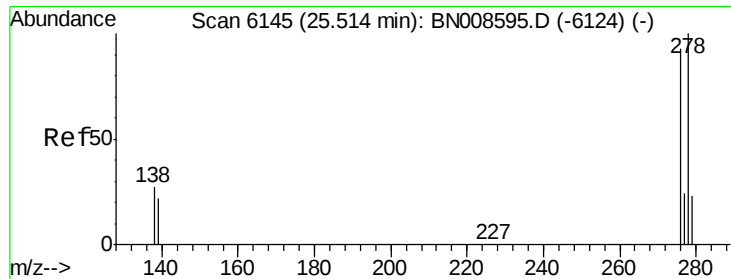
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.418 ng/ul

RT: 25.57 min Scan# 6163

Delta R.T. 0.05 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Instrument :

BNA_N

ClientSampleId :

JLM69

Tot Ion:278 Resp: 16801

Ion Ratio Lower Upper

278 100

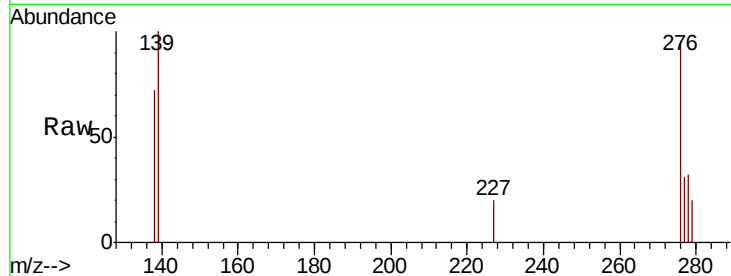
139 310.2 18.7 28.1#

279 62.3 20.8 31.2#

Manual Integrations
APPROVED

mohammad

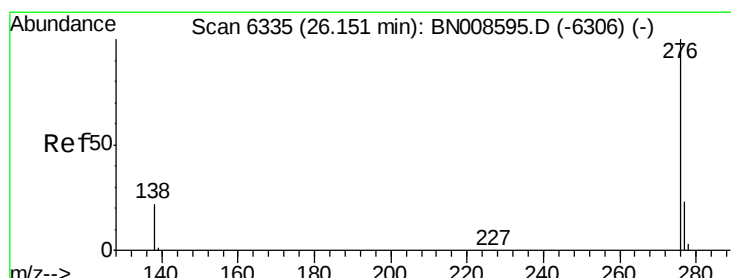
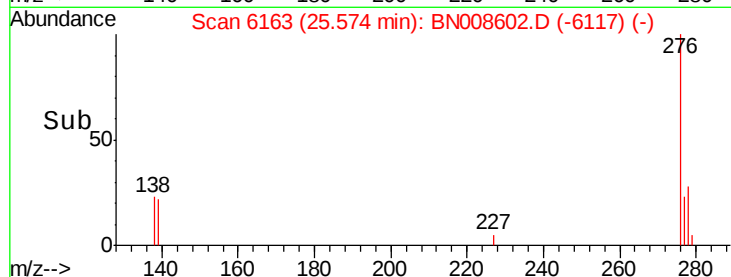
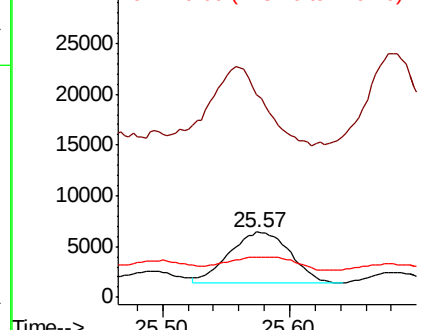
11/19/2019 2:44:33 PM



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: 3.399 ng/ul

RT: 26.23 min Scan# 6360

Delta R.T. 0.08 min

Lab File: BN008602.D

Acq: 18 Nov 2019 14:06

Tgt Ion:276 Resp: 141514

Ion Ratio Lower Upper

276 100

138 36.3 20.0 30.0#

277 27.3 20.0 30.0

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

