

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
 Data File : BN008615.D
 Acq On : 18 Nov 2019 21:55
 Operator : JU
 Sample : K5678-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLMA0

Manual Integrations
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Quant Time: Nov 19 03:02:19 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 : Tue Nov 19 01:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	3342	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11882	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	7207	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	13807	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	10897	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	11382	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3812	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	8378	0.20	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	7009	0.196	ng/ul	97
5) 2-Methylnaphthalene	12.06	142	3187	0.127	ng/ul	100
7) Acenaphthylene	13.97	152	2994	0.075	ng/ul#	86
8) Acenaphthene	14.32	153	1637	0.055	ng/ul	94
9) Fluorene	15.31	166	1563	0.045	ng/ul#	81
11) Pentachlorophenol	16.66	266	4314	0.826	ng/ul	100
12) Phenanthrene	17.04	178	52250	1.122	ng/ul	97
13) Anthracene	17.13	178	5534	0.126	ng/ul#	66
15) Fluoranthene	19.06	202	95541	1.670	ng/ul	99
17) Pyrene	19.42	202	90786	2.077	ng/ul	98
18) Benzo(a)anthracene	21.18	228	32345	0.738	ng/ul#	88
19) Chrysene	21.23	228	44052	1.023	ng/ul#	92
21) Benzo(b)fluoranthene	22.73	252	51931m	1.106	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	19369m	0.416	ng/ul	
23) Benzo(a)pyrene	23.28	252	33587	0.762	ng/ul#	45
24) Indeno(1,2,3-cd)pyrene	25.53	276	24673	0.479	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.55	278	5700	0.137	ng/ul#	1
26) Benzo(g,h,i)perylene	26.19	276	26519	0.615	ng/ul#	69

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

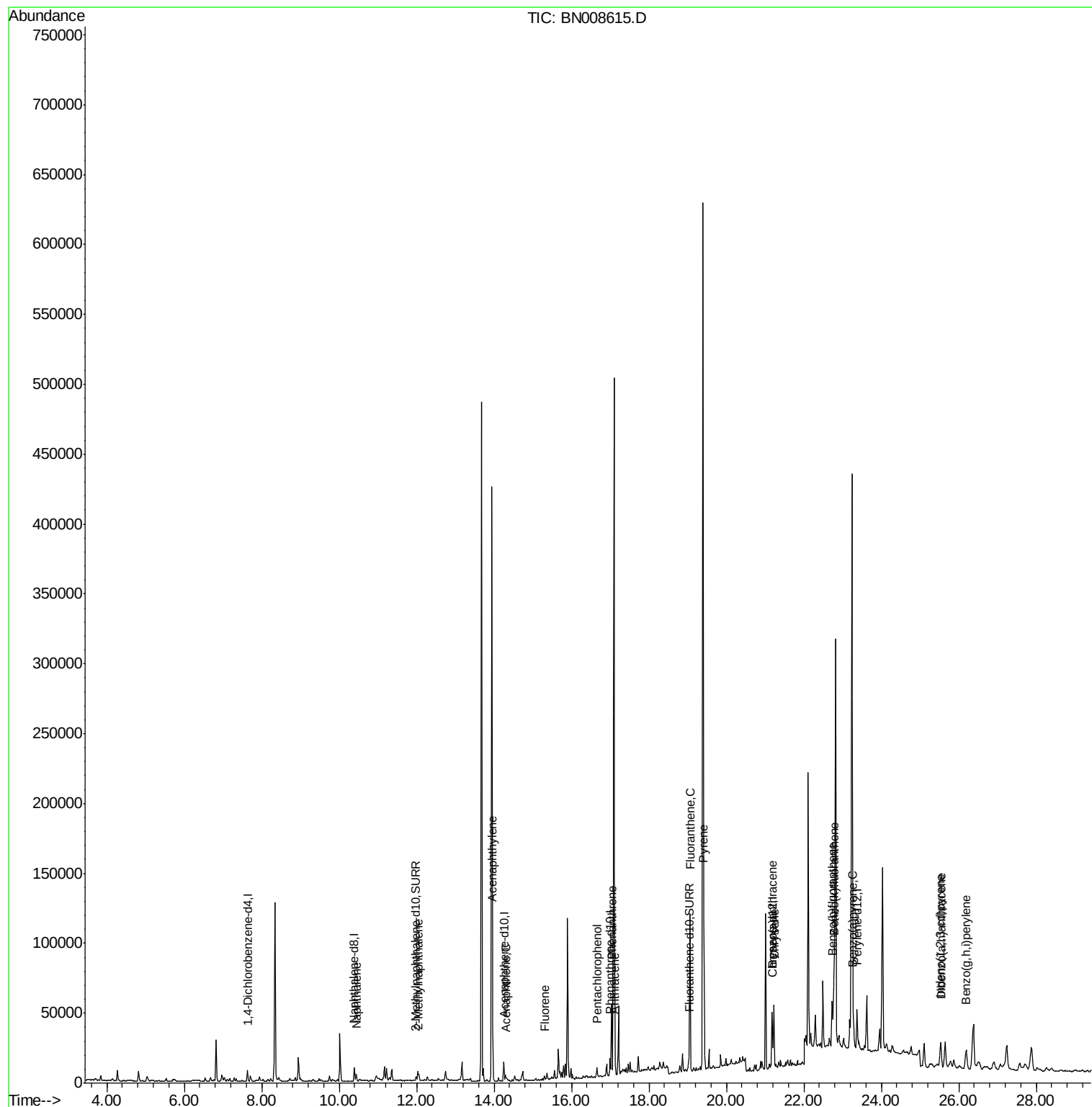
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
Data File : BN008615.D
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ALS Vial : 21 Sample Multiplier: 1

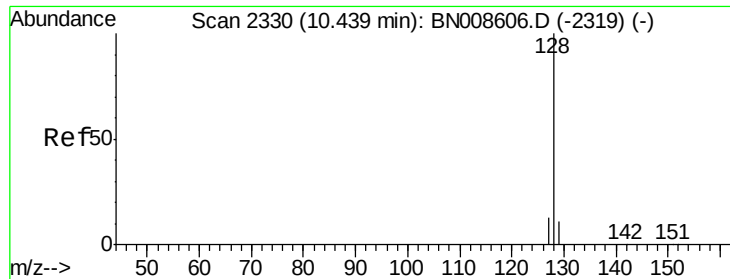
Instrument :
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JLMA0

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Quant Time: Nov 19 03:02:19 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 : Tue Nov 19 01:47:58 2019
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#3

Naphthalene

Concen: 0.196 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

ClientSampleId :

JLMA0

Tot Ion:128 Resp: 7009

Ion Ratio Lower Upper

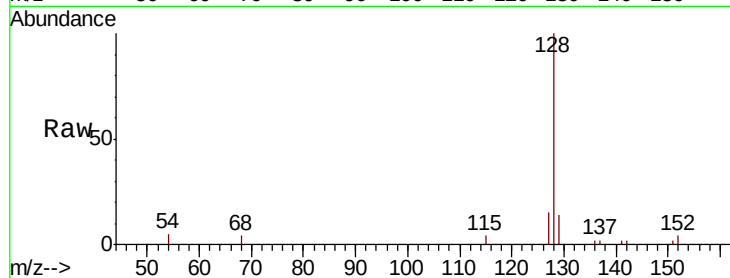
128 100

129 13.6 9.7 14.5

127 14.8 10.8 16.2

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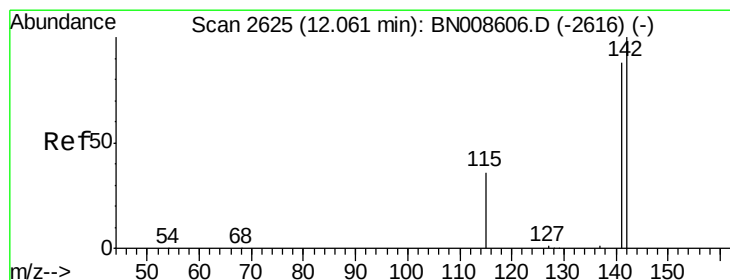
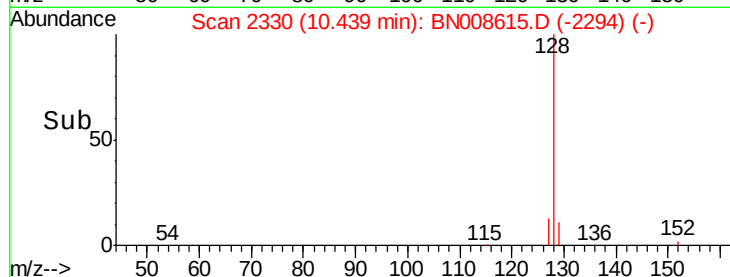
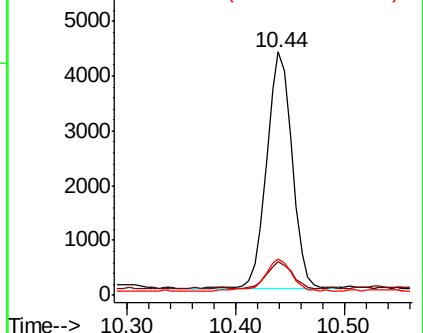
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.127 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BN008615.D

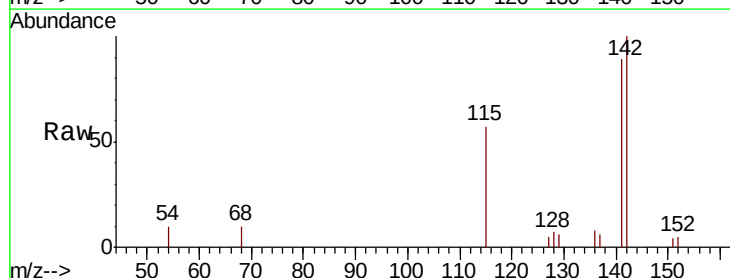
Acq: 18 Nov 2019 21:55

Tgt Ion:142 Resp: 3187

Ion Ratio Lower Upper

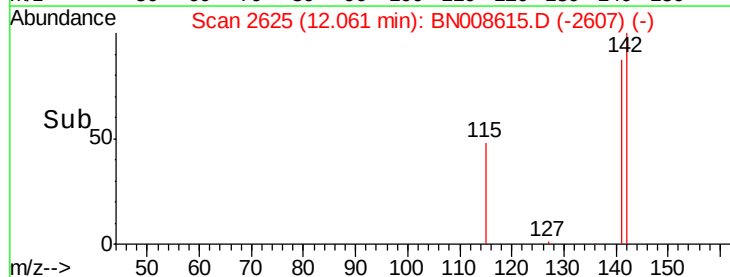
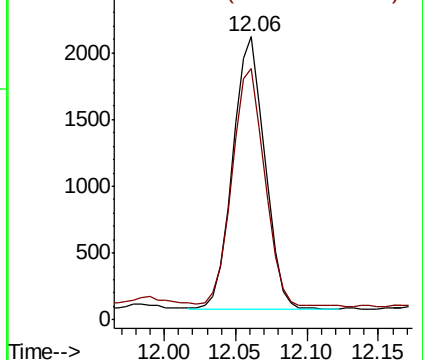
142 100

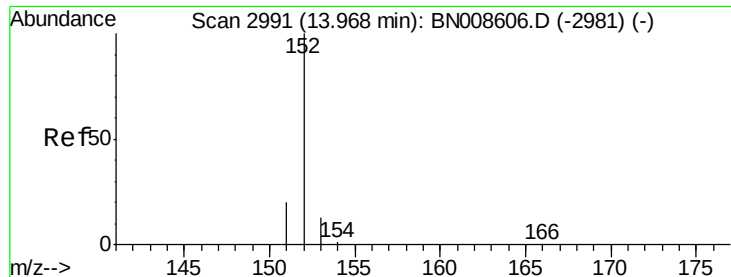
141 88.2 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.075 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

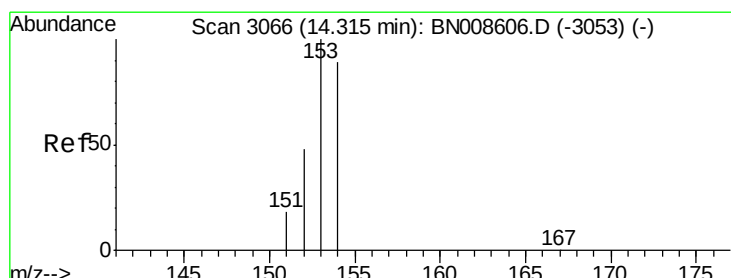
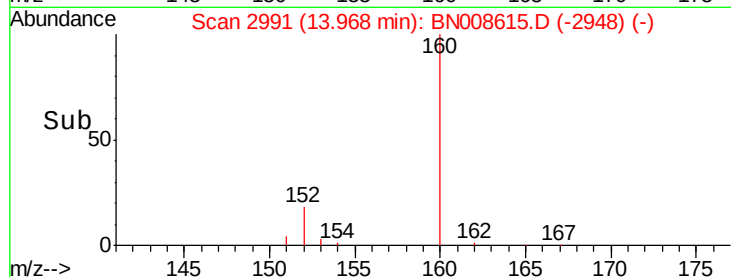
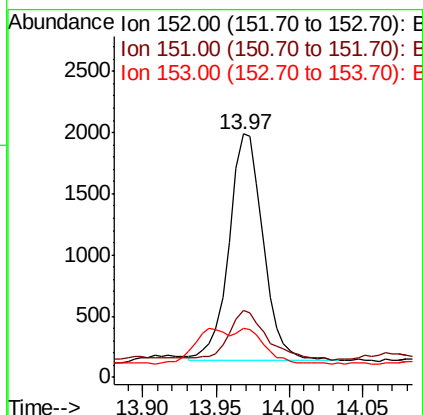
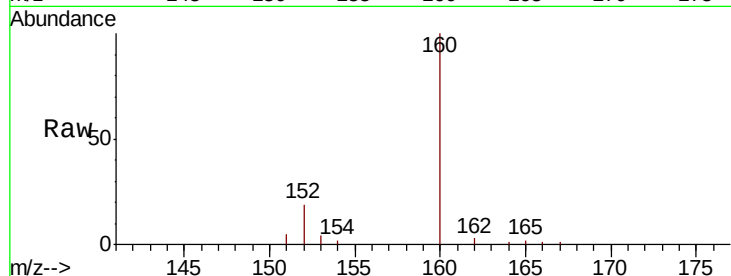
ClientSampleId :

JLMA0

Tot Ion:	152	Resp:	2994
Ion Ratio	Lower	Upper	
152	100		
151	27.3	16.6	24.8#
153	19.9	11.1	16.7#

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#8

Acenaphthene

Concen: 0.055 ng/ul

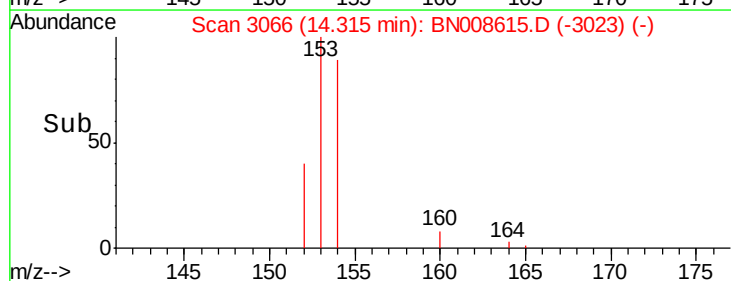
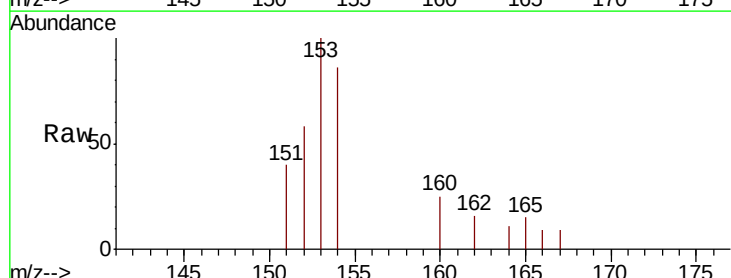
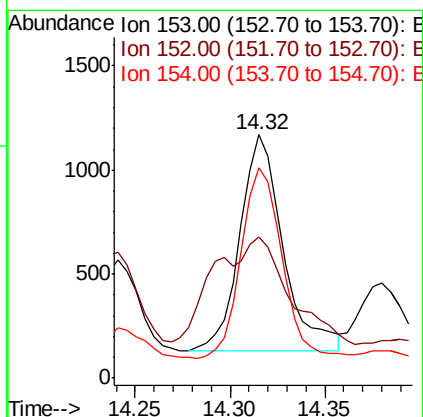
RT: 14.32 min Scan# 3066

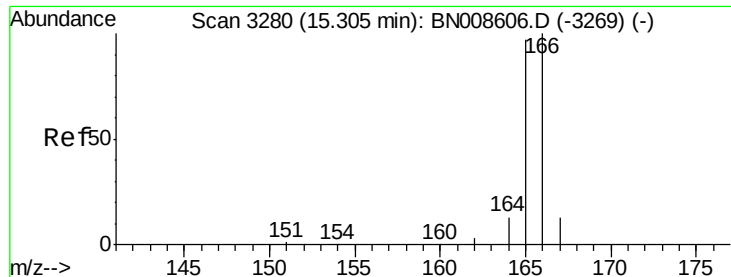
Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Tgt Ion:	153	Resp:	1637
Ion Ratio	Lower	Upper	
153	100		
152	58.0	39.6	59.4
154	86.5	70.6	106.0





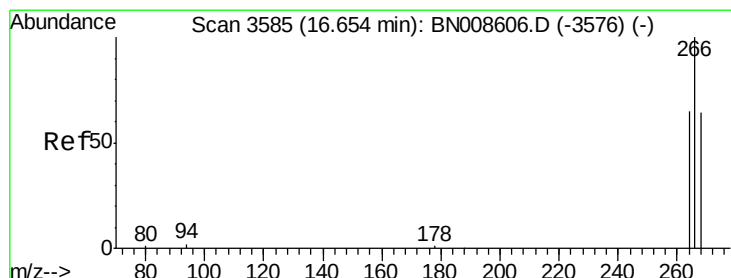
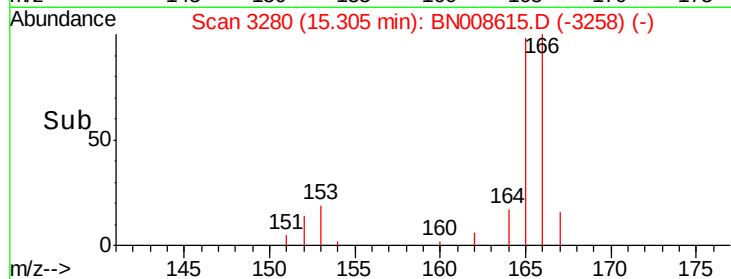
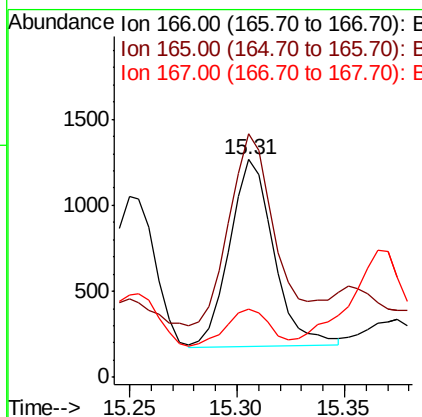
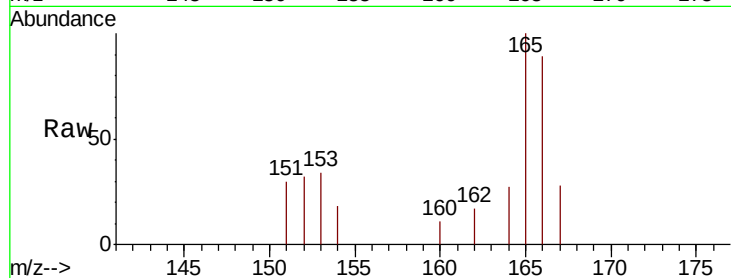
#9
Fluorene
 Concen: 0.045 ng/ul
 RT: 15.31 min Scan# 3280
 Delta R.T. -0.00 min
 Lab File: BN008615.D
 Acq: 18 Nov 2019 21:55

Instrument :
 BNA_N
 ClientSampleId :
 JLMA0

Tot Ion	Ratio	Lower	Upper
166	100		
165	111.9	77.4	116.0
167	31.4	11.4	17.0

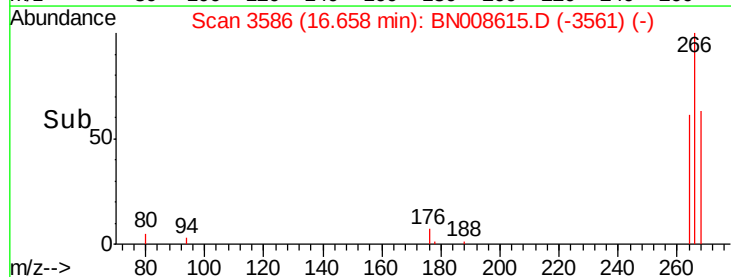
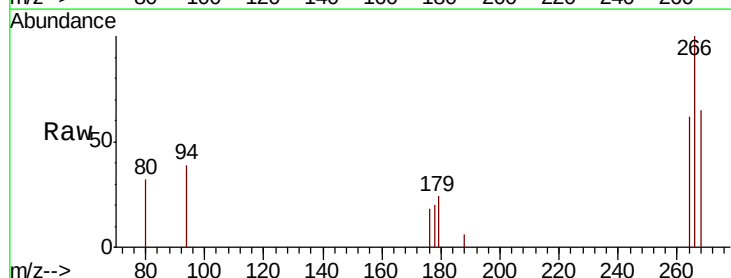
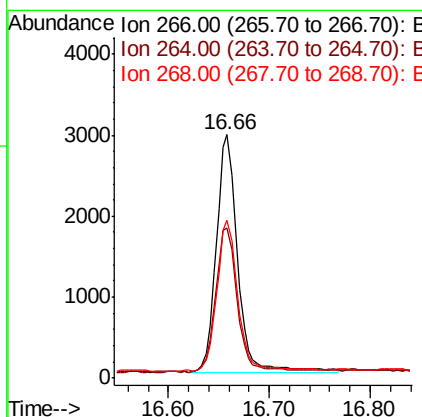
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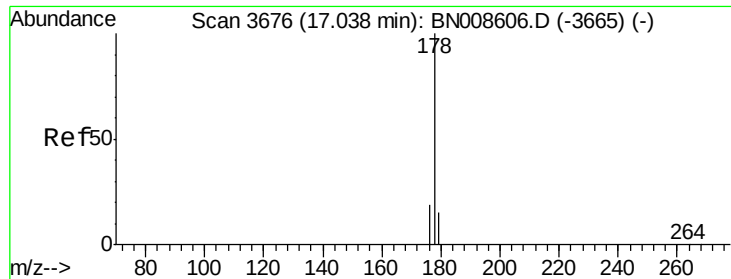
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#11
Pentachlorophenol
 Concen: 0.826 ng/ul
 RT: 16.66 min Scan# 3586
 Delta R.T. 0.00 min
 Lab File: BN008615.D
 Acq: 18 Nov 2019 21:55

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.7	49.2	73.8
268	64.0	50.9	76.3





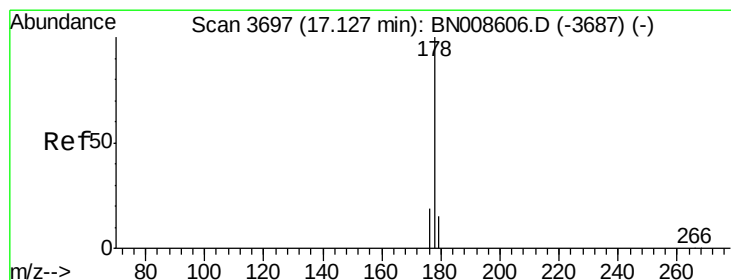
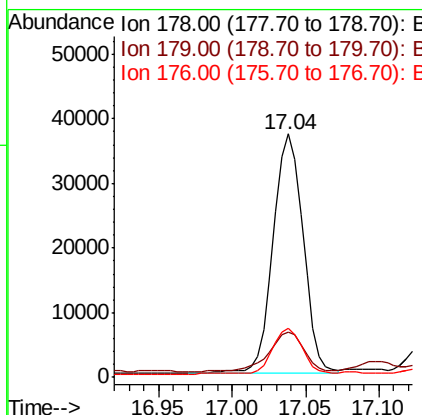
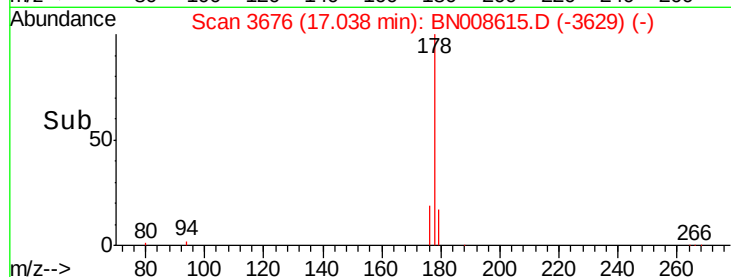
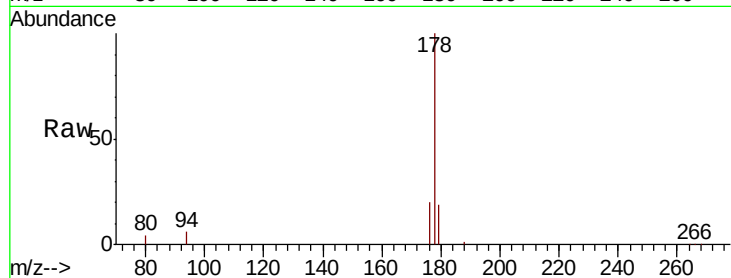
#12
Phenanthrene
Concen: 1.122 ng/ul
RT: 17.04 min Scan# 3676
Delta R.T. -0.00 min
Lab File: BN008615.D
Acq: 18 Nov 2019 21:55

Instrument :
BNA_N
ClientSampleId :
JLMA0

Tot Ion	Ratio	Lower	Upper
178	100		
179	18.8	12.8	19.2
176	19.9	16.0	24.0

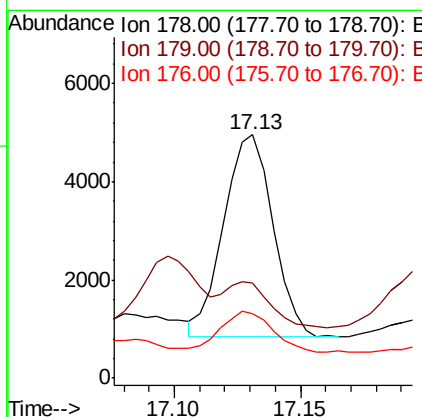
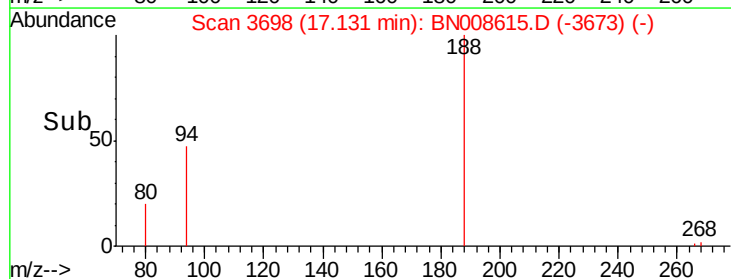
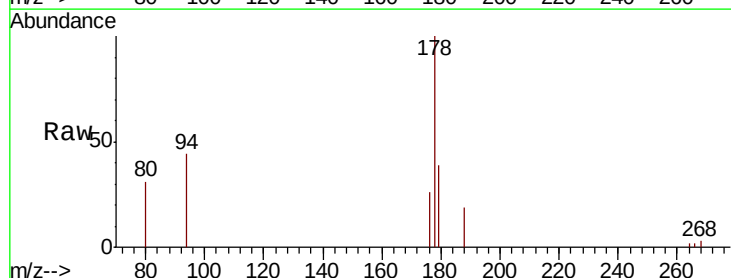
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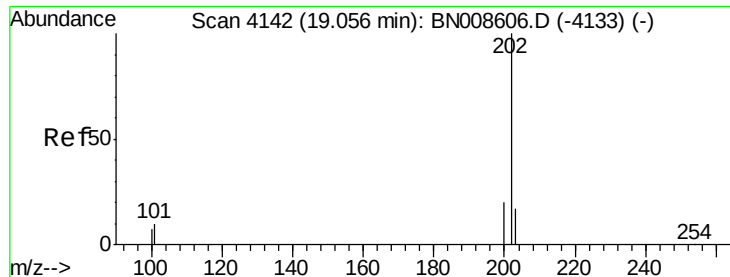
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#13
Anthracene
Concen: 0.126 ng/ul
RT: 17.13 min Scan# 3698
Delta R.T. 0.00 min
Lab File: BN008615.D
Acq: 18 Nov 2019 21:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	39.2	13.0	19.4#
176	26.4	15.3	22.9#





#15

Fluoranthene

Concen: 1.670 ng/ul

RT: 19.06 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

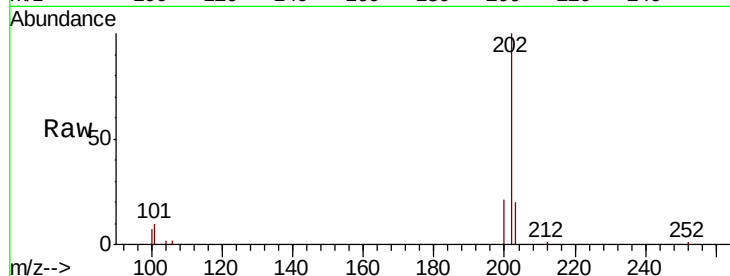
ClientSampleId :

JLMA0

Tot Ion:	202	Resp:	95541
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	29.6
100	7.2	0.0	27.0

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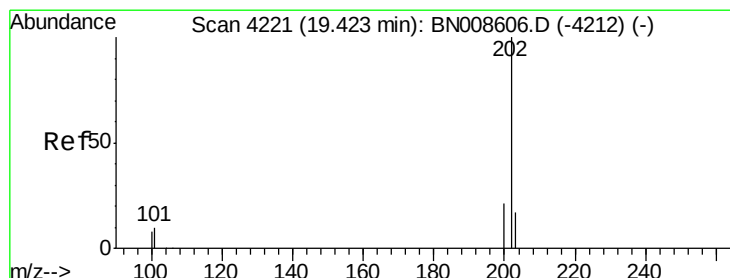
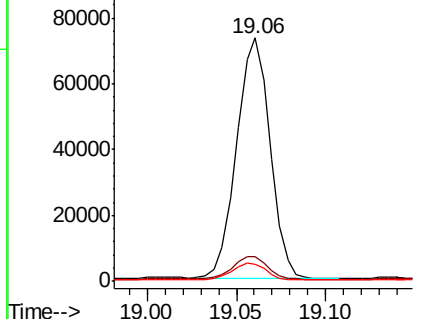
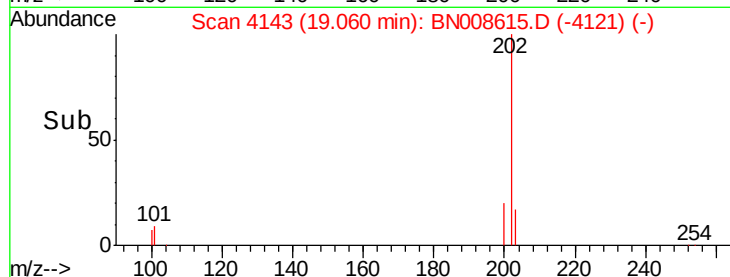
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 2.077 ng/ul

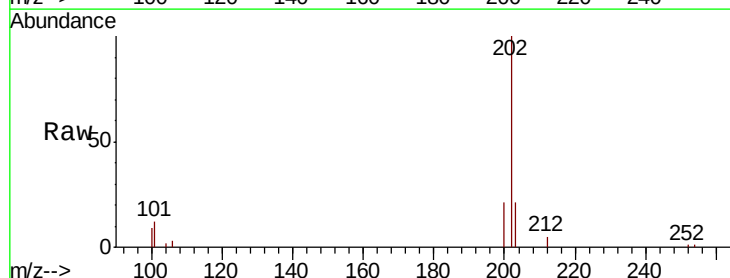
RT: 19.42 min Scan# 4221

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

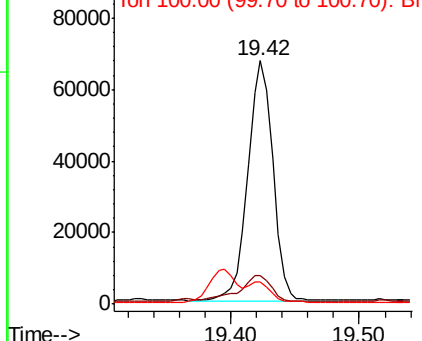
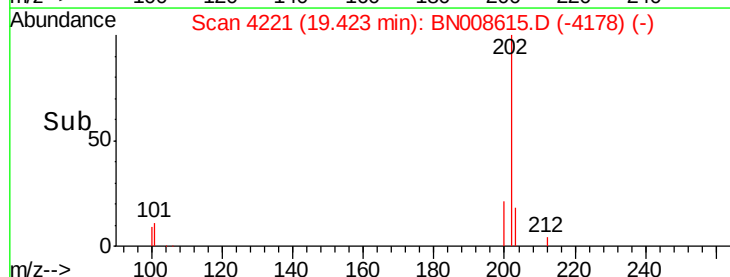
Tgt Ion:	202	Resp:	90786
Ion Ratio	Lower	Upper	
202	100		
101	11.9	10.2	15.2
100	9.2	8.2	12.2

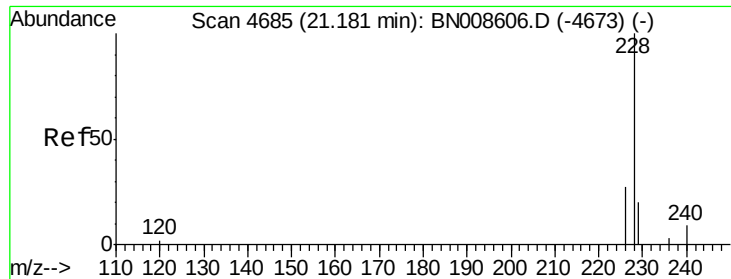


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





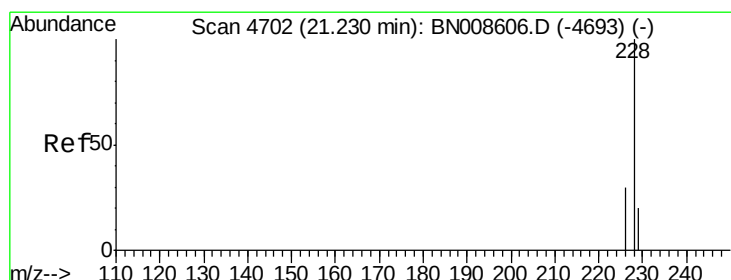
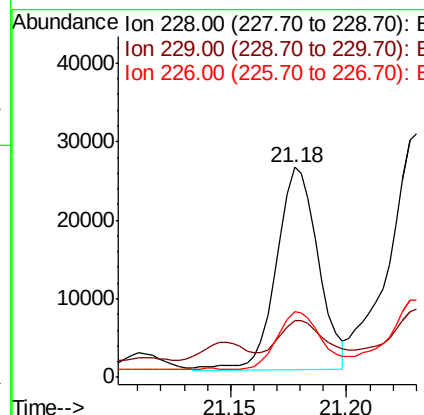
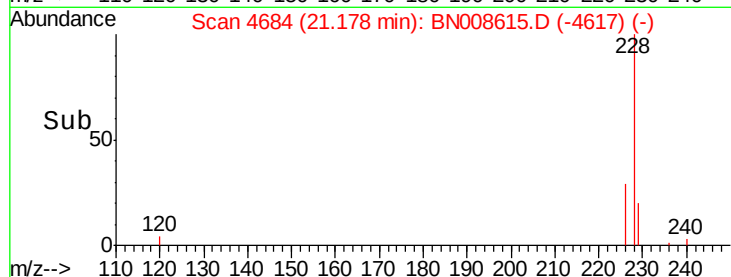
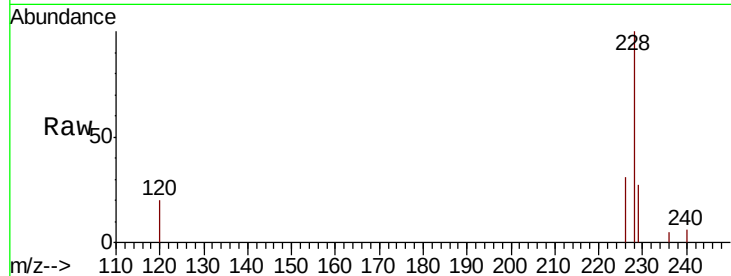
#18
Benzo(a)anthracene
Concen: 0.738 ng/ul
RT: 21.18 min Scan# 4684
Delta R.T. -0.00 min
Lab File: BN008615.D
Acq: 18 Nov 2019 21:55

Instrument :
BNA_N
ClientSampleId :
JLMA0

Tot Ion	Ratio	Lower	Upper
228	100		
229	27.0	15.8	23.6#
226	31.4	21.6	32.4

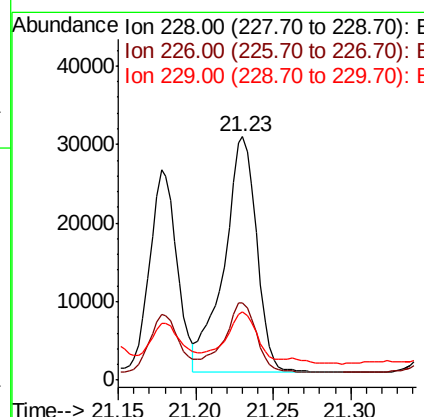
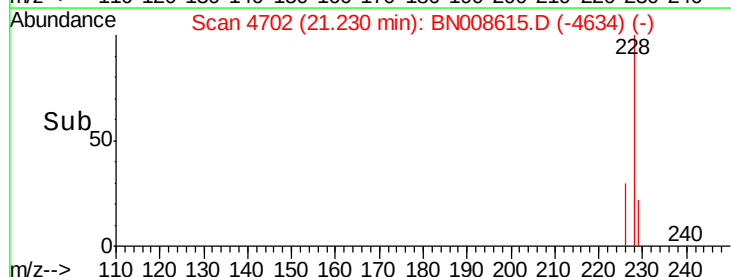
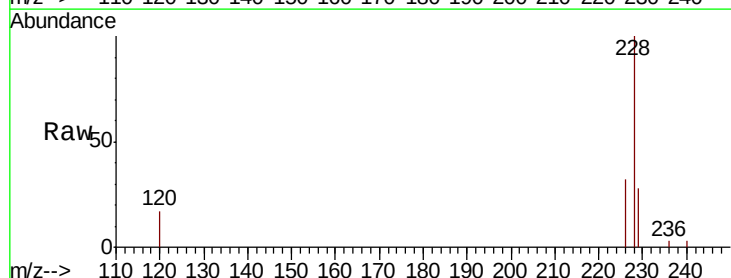
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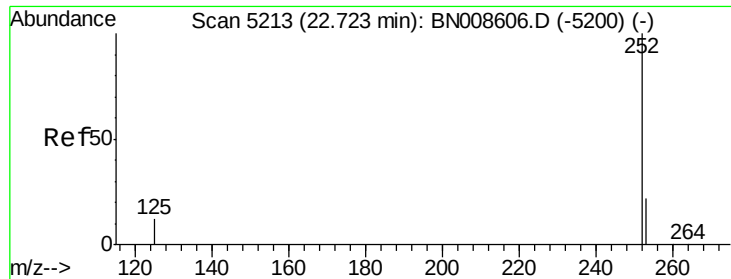
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#19
Chrysene
Concen: 1.023 ng/ul
RT: 21.23 min Scan# 4702
Delta R.T. -0.00 min
Lab File: BN008615.D
Acq: 18 Nov 2019 21:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.5	36.7
229	27.9	15.5	23.3#





#21

Benzo(b)fluoranthene

Concen: 1.106 ng/ul m

RT: 22.73 min Scan# 5215

Delta R.T. 0.01 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

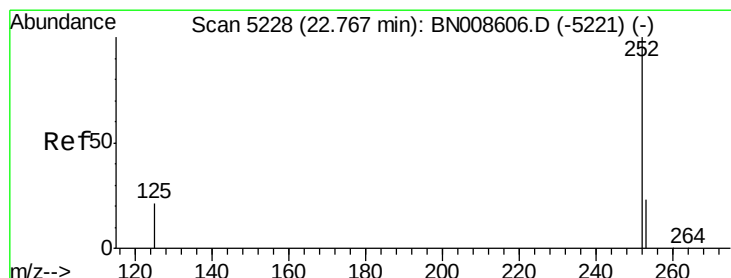
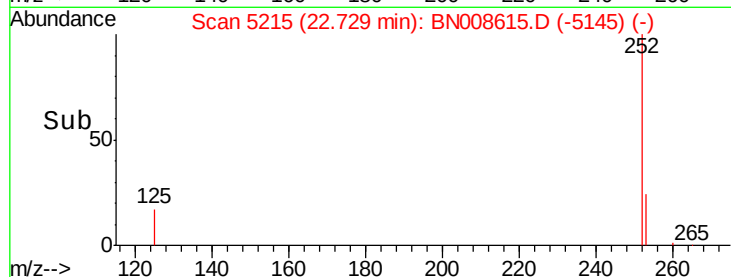
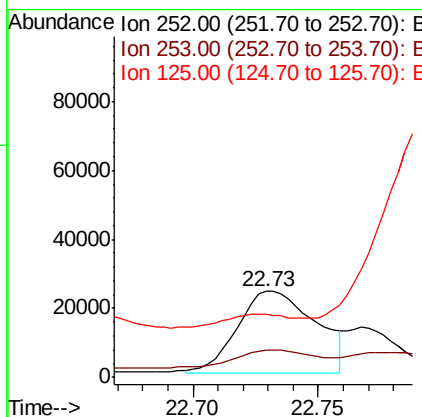
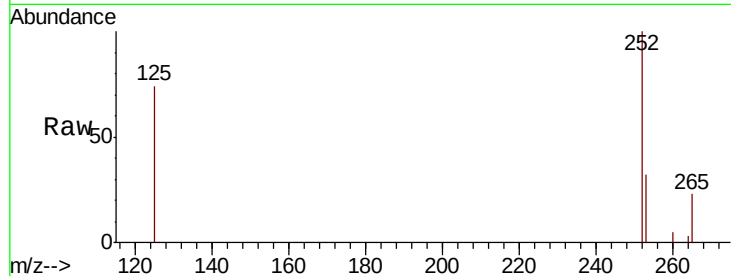
ClientSampleId :

JLMA0

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	31.7	0.0	50.2
125	73.5	0.0	30.0#

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#22

Benzo(k)fluoranthene

Concen: 0.416 ng/ul m

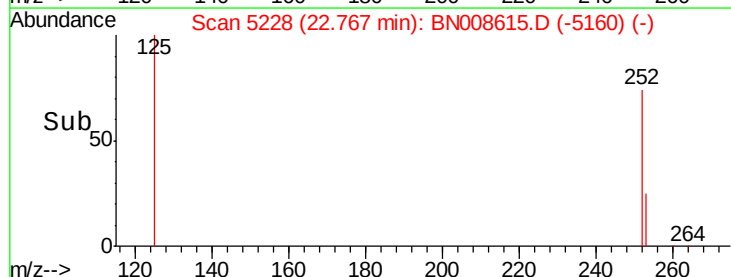
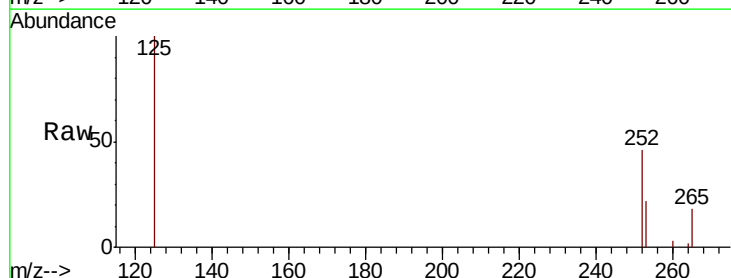
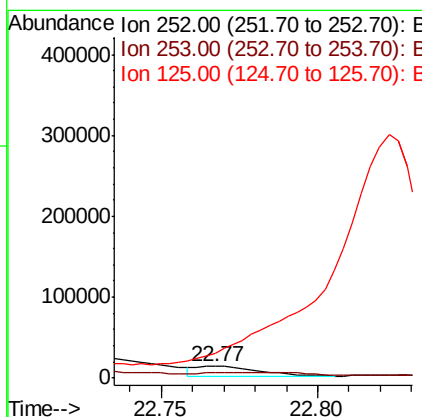
RT: 22.77 min Scan# 5228

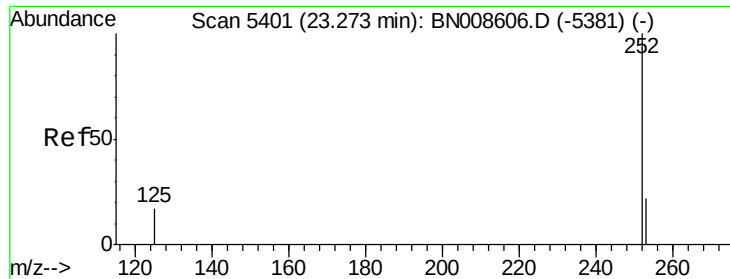
Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	46.8	20.5	30.7#
125	215.6	15.0	22.4#





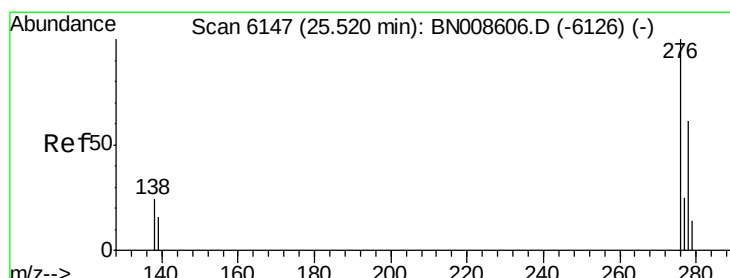
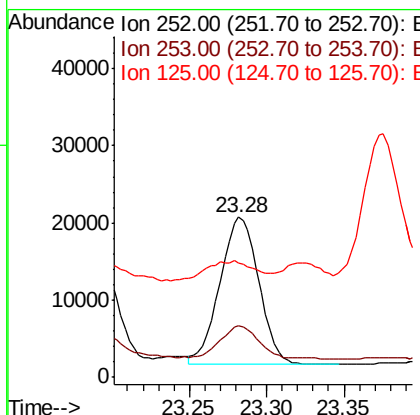
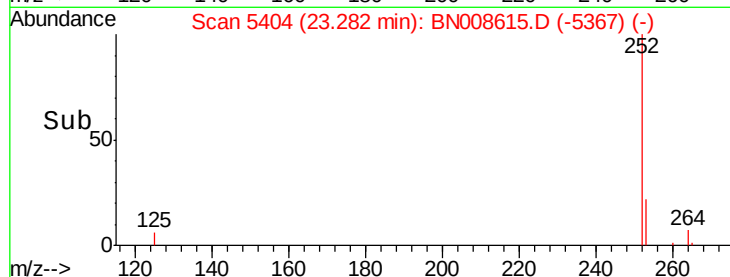
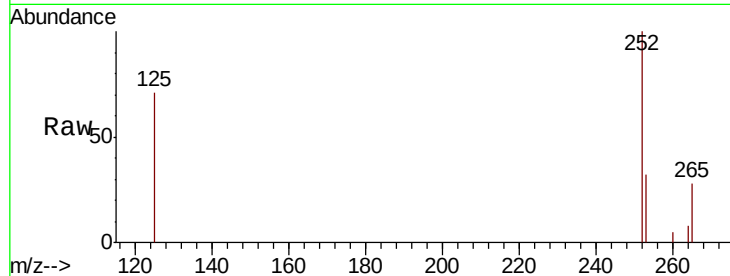
#23
Benzo(a)pyrene
Concen: 0.762 ng/ul
RT: 23.28 min Scan# 5404
Delta R.T. 0.01 min
Lab File: BN008615.D
Acq: 18 Nov 2019 21:55

Instrument :
BNA_N
ClientSampleId :
JLMA0

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.9	21.4	32.2
125	71.4	13.8	20.8#

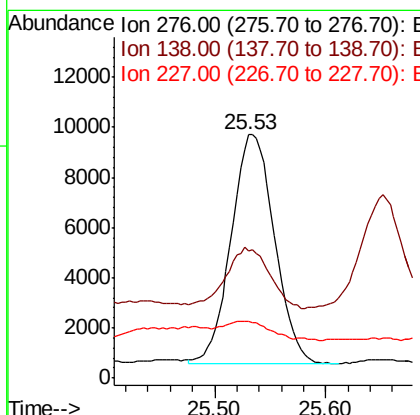
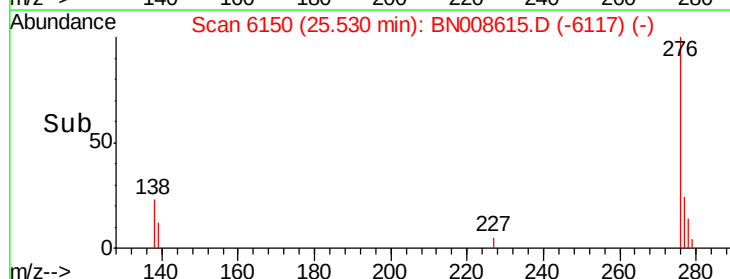
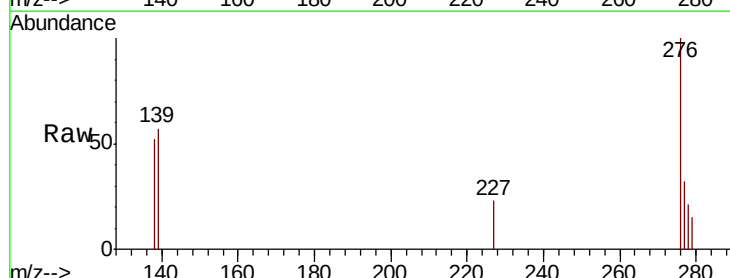
Manual Integrations
APPROVED

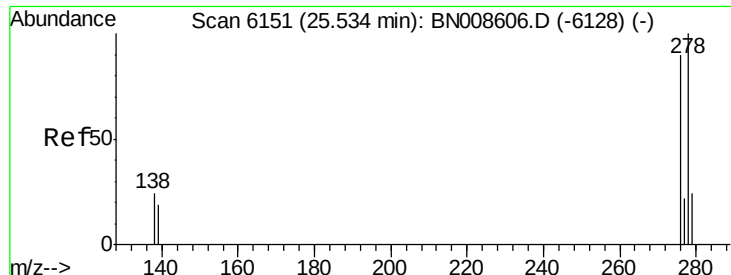
mohammad
11/19/2019 2:45:26 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.479 ng/ul
RT: 25.53 min Scan# 6150
Delta R.T. 0.01 min
Lab File: BN008615.D
Acq: 18 Nov 2019 21:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.7	32.5
227	0.0	0.2	0.2#





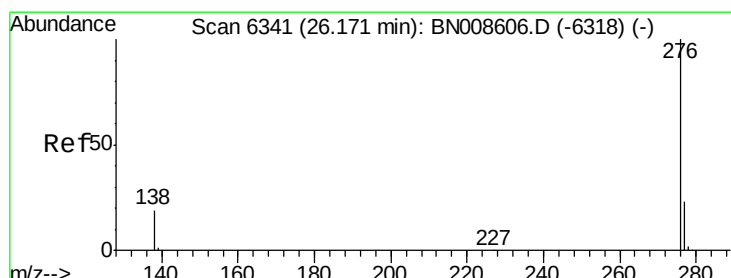
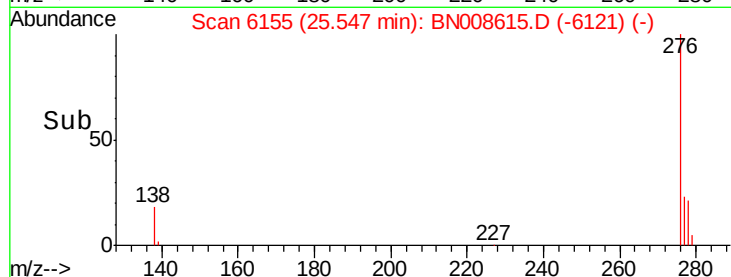
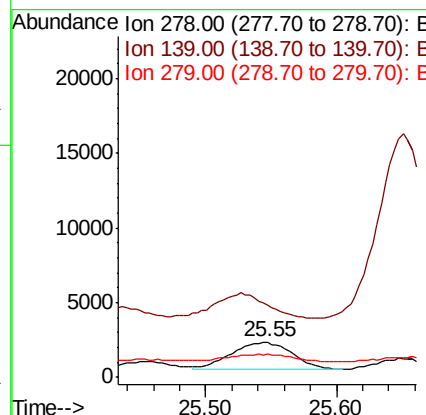
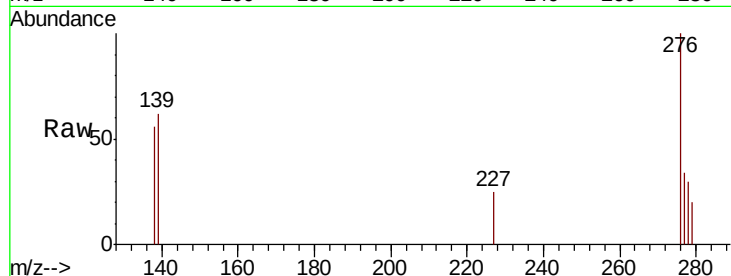
#25
Dibenzo(a,h)anthracene
Concen: 0.137 ng/ul
RT: 25.55 min Scan# 6155
Delta R.T. 0.01 min
Lab File: BN008615.D
Acq: 18 Nov 2019 21:55

Instrument :
BNA_N
ClientSampleId :
JLMA0

Tot Ion:278 Resp: 5700
Ion Ratio Lower Upper
278 100
139 205.4 18.7 28.1#
279 65.3 20.8 31.2#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:45:26 PM



#26
Benzo(g,h,i)perylene
Concen: 0.615 ng/ul
RT: 26.19 min Scan# 6347
Delta R.T. 0.02 min
Lab File: BN008615.D
Acq: 18 Nov 2019 21:55

Tgt Ion:276 Resp: 26519
Ion Ratio Lower Upper
276 100
138 50.5 20.0 30.0#
277 30.3 20.0 30.0#

