

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006646.D
 Acq On : 29 Jun 2019 10:50
 Operator : HP/JU
 Sample : K3446-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B252-061819

Manual Integrations
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Quant Time: Jul 01 08:26:44 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 13:47:56 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	5272	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	22662	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	13050	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	29079	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	22865	0.40	ng	-0.01
34) Perylene-d12	23.50	264	21372	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	4511	0.35	ng	0.00
5) Phenol-d6	6.81	99	6755	0.39	ng	-0.02
8) Nitrobenzene-d5	8.78	82	5726	0.38	ng	-0.01
11) 2-Methylnaphthalene-d10	11.99	152	12466	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	2189	0.36	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	15436	0.32	ng	-0.01
25) Fluoranthene-d10	19.07	212	29010	0.34	ng	0.00
29) Terphenyl-d14	19.68	244	14489	0.30	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.44	128	6488	0.109	ng	95
12) 2-Methylnaphthalene	12.07	142	3113	0.076	ng	97
16) Acenaphthylene	13.99	152	27370	0.440	ng	99
17) Acenaphthene	14.33	154	6271	0.153	ng	100
18) Fluorene	15.32	166	9763	0.189	ng	# 94
23) Phenanthrene	17.07	178	248923	3.011	ng	100
24) Anthracene	17.16	178	51278	0.715	ng	# 93
26) Fluoranthene	19.10	202	500916	4.985	ng	99
28) Pyrene	19.47	202	437751	5.471	ng	96
30) Benzo(a)anthracene	21.24	228	235479	3.150	ng	97
31) Chrysene	21.29	228	191857	2.381	ng	96
32) Bis(2-ethylhexyl)phthalate	21.16	149	93205	2.477	ng	100
33) Indeno(1,2,3-cd)pyrene	25.73	276	98652	1.209	ng	97
35) Benzo(b)fluoranthene	22.84	252	235369	3.238	ng	98
36) Benzo(k)fluoranthene	22.87	252	78682m	1.015	ng	
37) Benzo(a)pyrene	23.40	252	156851	2.308	ng	98
38) Dibenzo(a,h)anthracene	25.73	278	27638	0.465	ng	# 79
39) Benzo(g,h,i)perylene	26.42	276	91138	1.538	ng	98

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

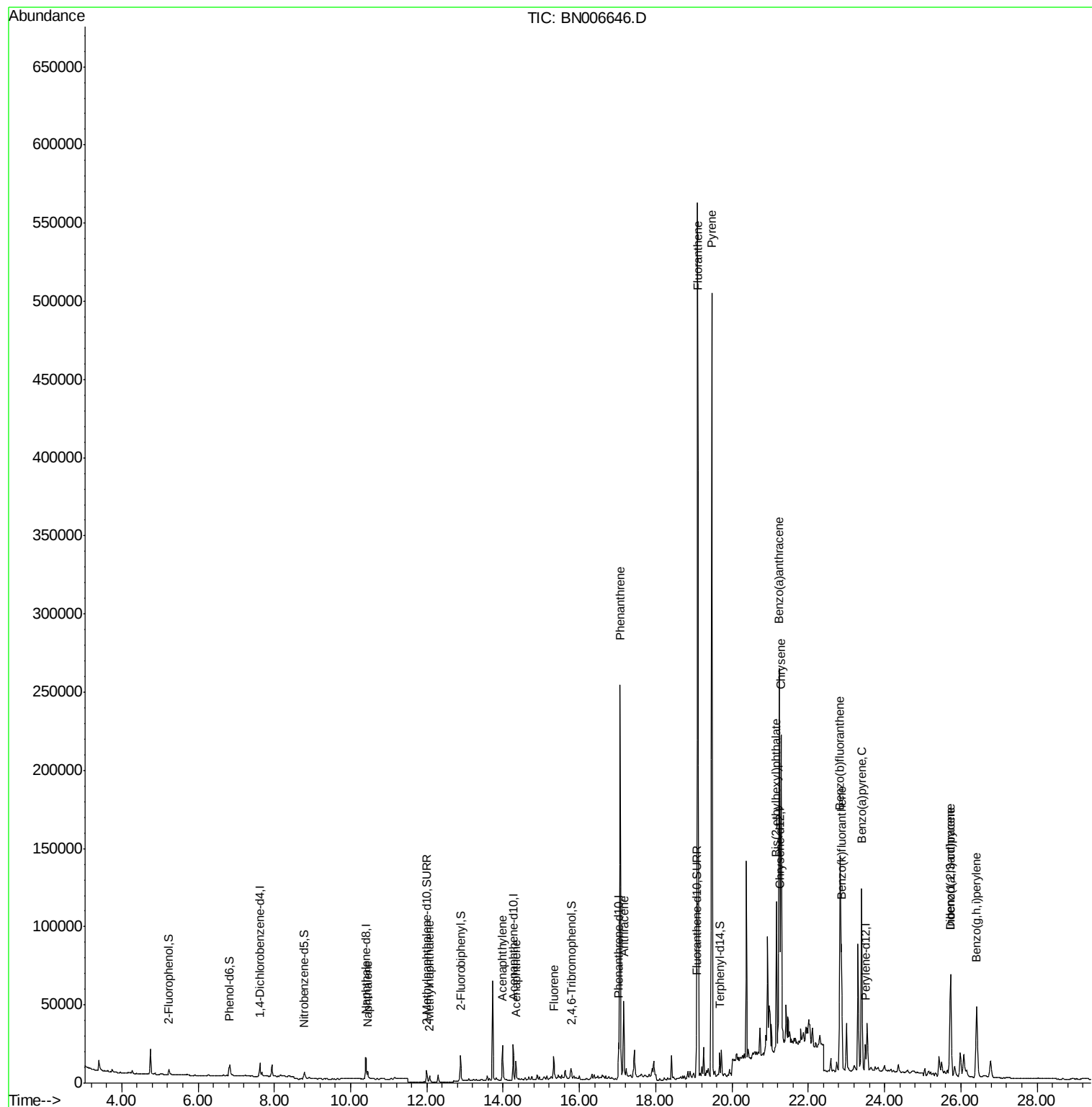
Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006646.D
Acq On : 29 Jun 2019 10:50
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Sample : K3446-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

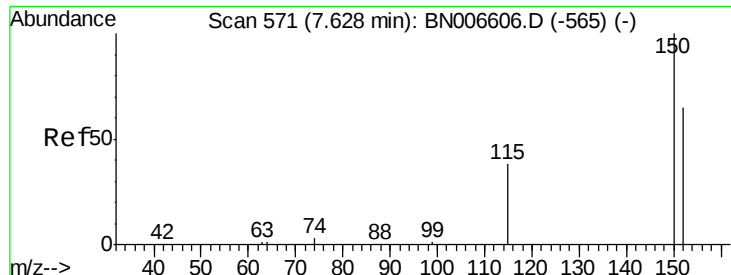
Instrument :
BNA_N
ClientSampleId :
PST-008-B252-061819

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Quant Time: Jul 01 08:26:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
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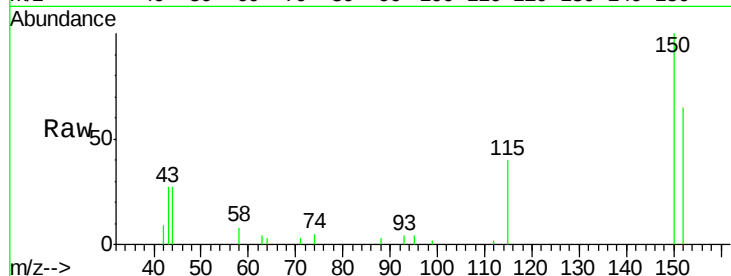




#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.62 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: BN006646.D
 Acq: 29 Jun 2019 10:50

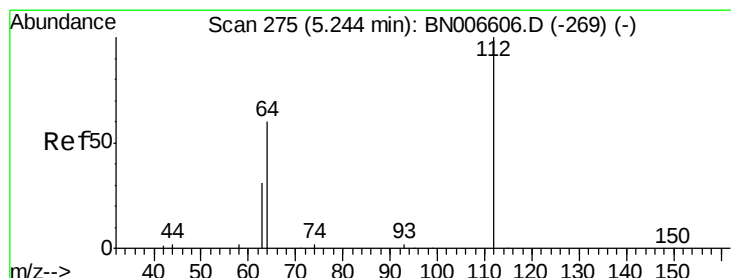
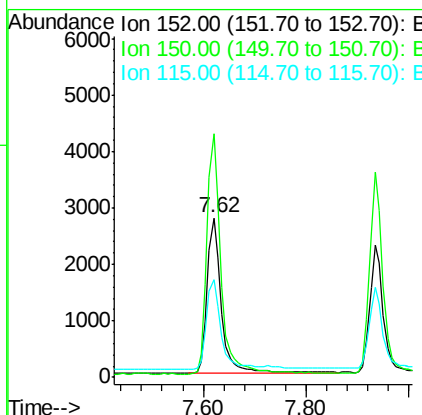
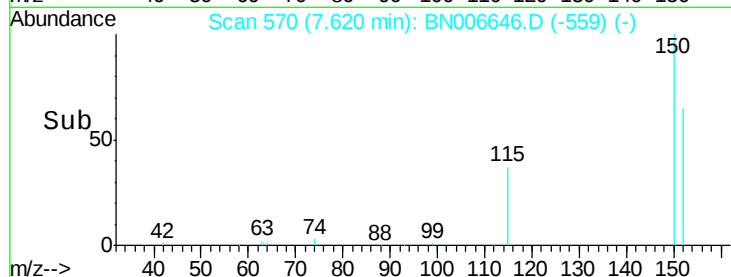
Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B252-061819



Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.7	122.2	183.2
115	61.5	50.0	75.0

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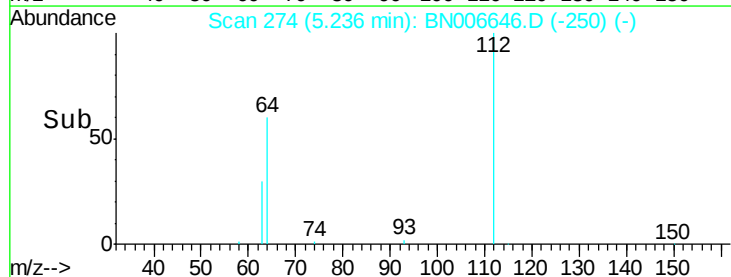
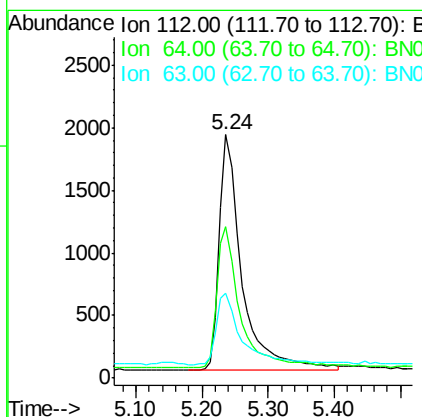
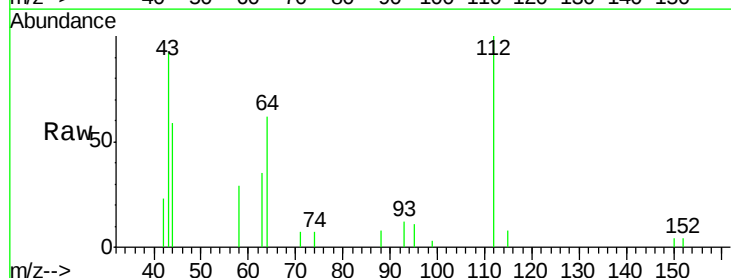
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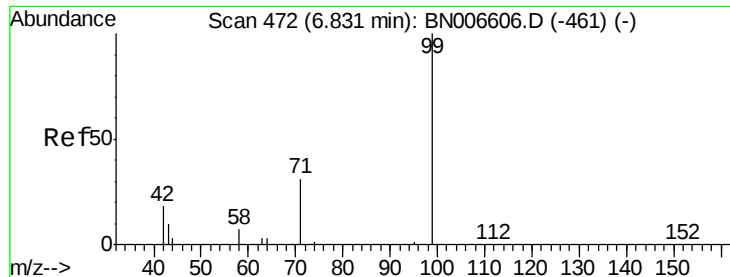


#4

2-Fluorophenol
 Concen: 0.349 ng
 RT: 5.24 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: BN006646.D
 Acq: 29 Jun 2019 10:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	48.9	73.3
63	33.1	24.3	36.5





#5

Phenol-d6

Concen: 0.395 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Instrument :

BNA_N

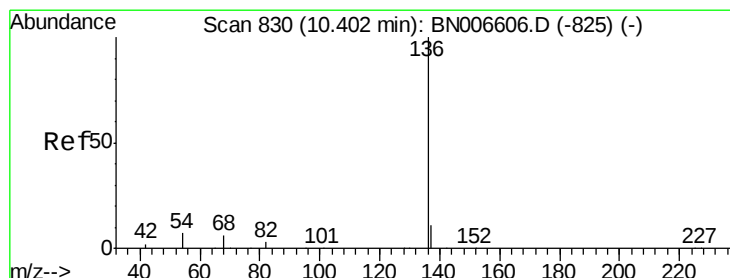
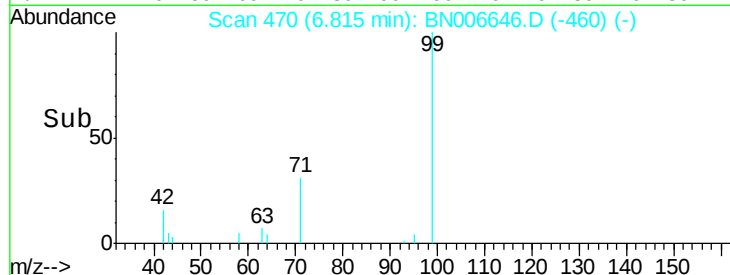
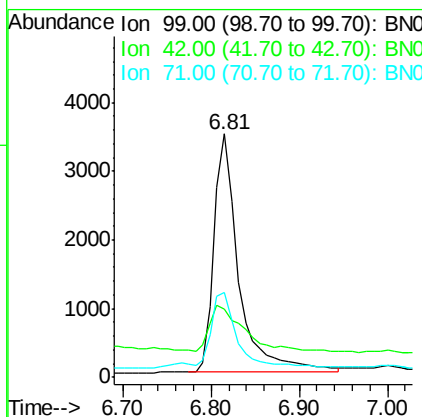
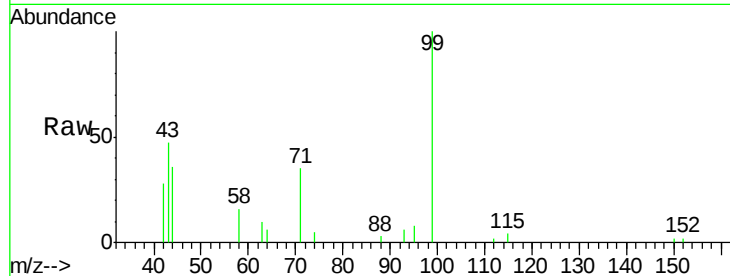
ClientSampleId :

PST-008-B252-061819

Tgt Ion:	99	Resp:	6755
Ion Ratio	Lower	Upper	
99	100		
42	28.2	16.4	24.6#
71	32.4	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

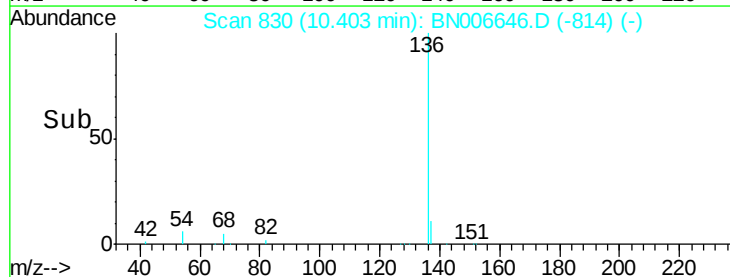
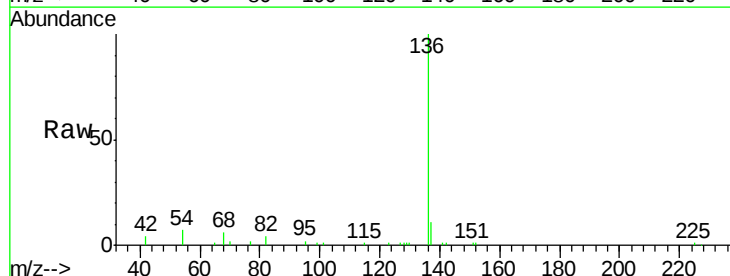
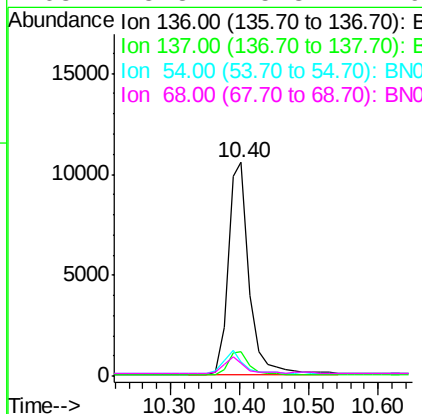
RT: 10.40 min Scan# 830

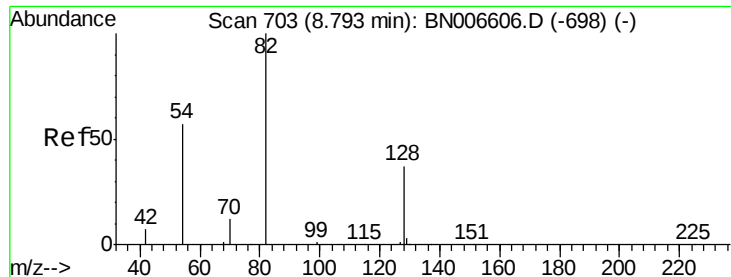
Delta R.T. 0.00 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Tgt Ion:	136	Resp:	22662
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.3	13.9
54	6.9	6.7	10.1
68	5.8	5.3	7.9





#8

Nitrobenzene-d5

Concen: 0.376 ng

RT: 8.78 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Instrument :

BNA_N

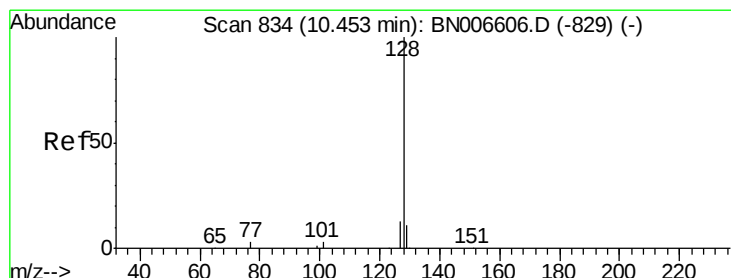
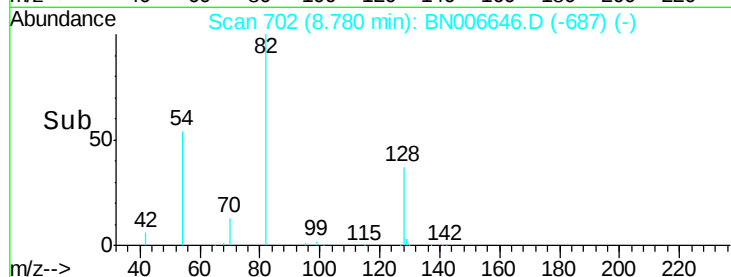
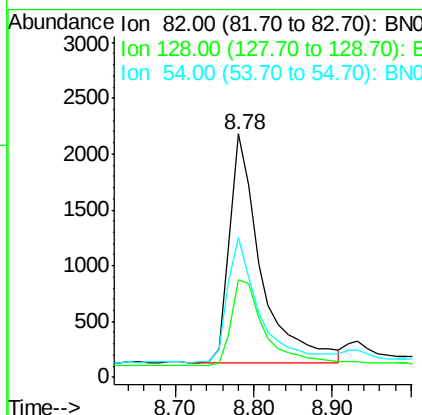
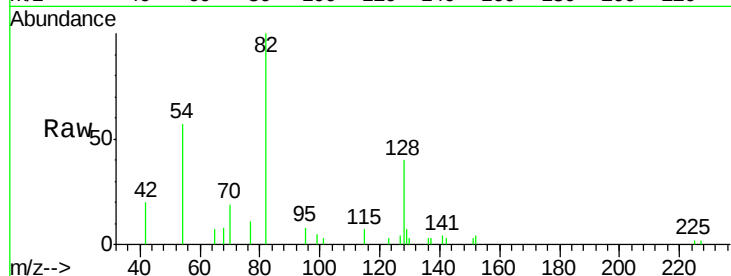
ClientSampleId :

PST-008-B252-061819

Tgt Ion:	82	Resp:	5726
Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.6	49.0
54	57.4	48.2	72.4

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#9

Naphthalene

Concen: 0.109 ng

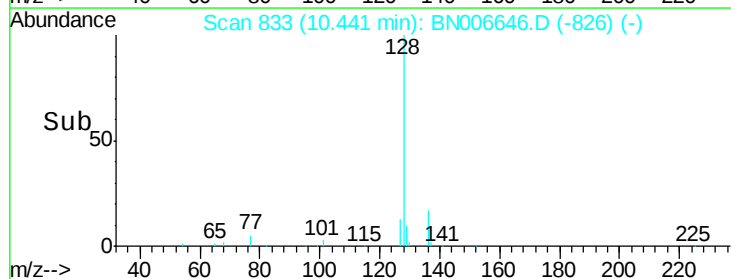
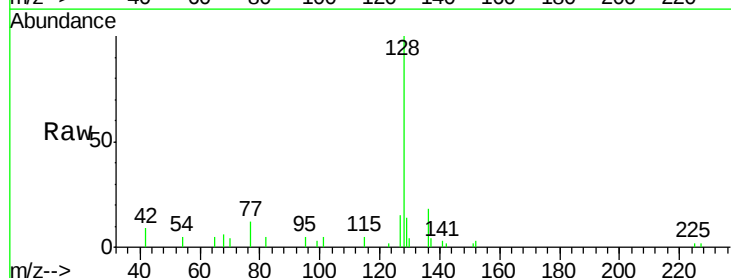
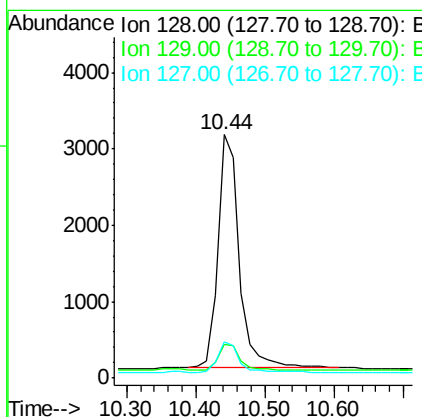
RT: 10.44 min Scan# 833

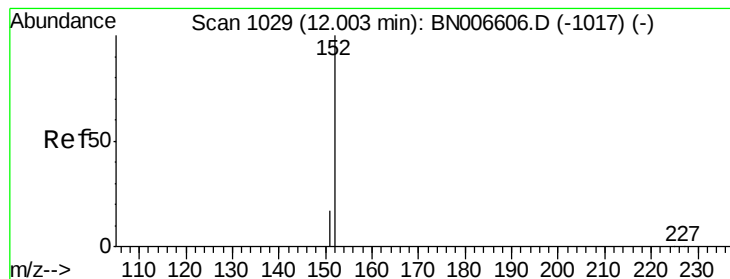
Delta R.T. -0.01 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Tgt Ion:	128	Resp:	6488
Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.3	13.9
127	15.1	10.8	16.2





#11

2-Methylnaphthalene-d10

Concen: 0.349 ng

RT: 11.99 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Instrument :

BNA_N

ClientSampleId :

PST-008-B252-061819

Tgt Ion:152 Resp: 12466

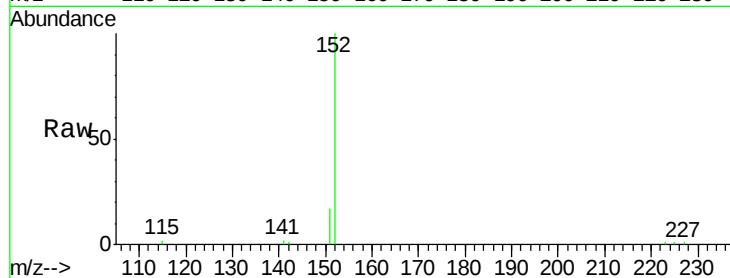
Ion Ratio Lower Upper

152 100

151 19.1 15.0 22.4

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.99

8000

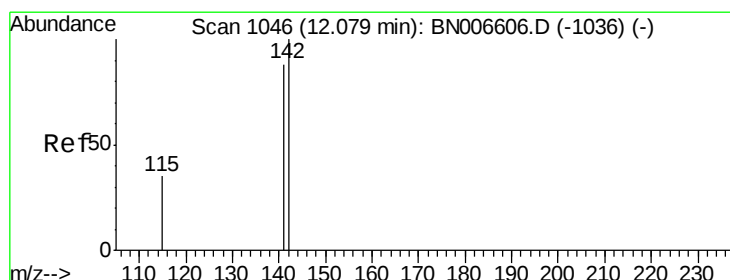
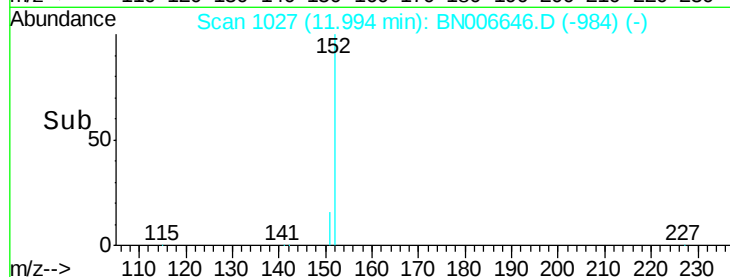
6000

4000

2000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.076 ng

RT: 12.07 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

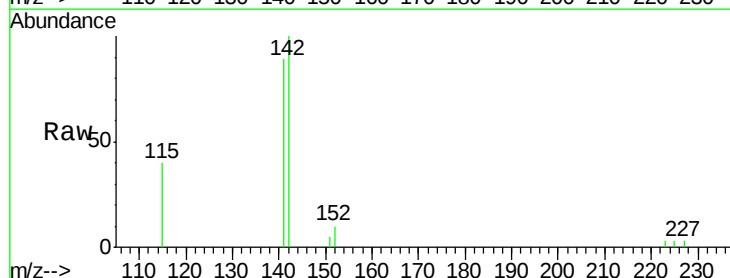
Tgt Ion:142 Resp: 3113

Ion Ratio Lower Upper

142 100

141 88.6 70.2 105.4

115 39.9 28.5 42.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.07

2500

2000

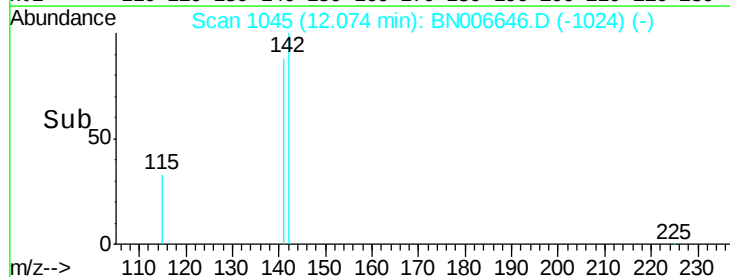
1500

1000

500

0

Time-->





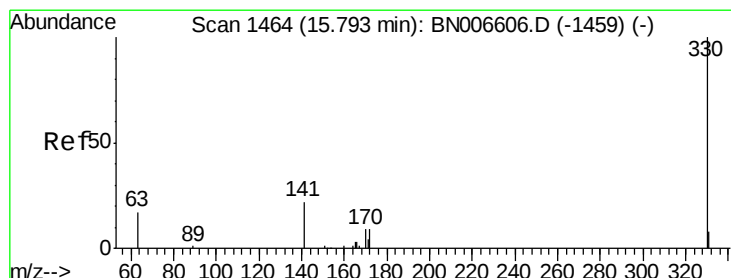
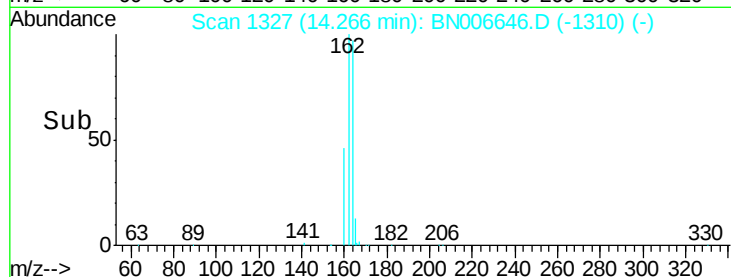
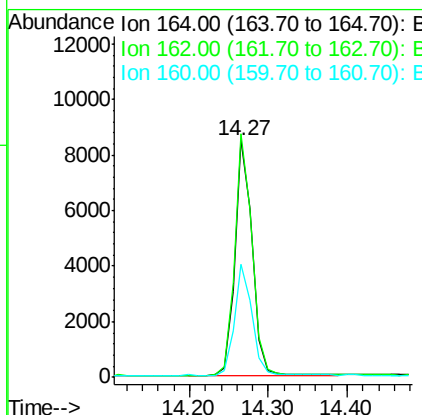
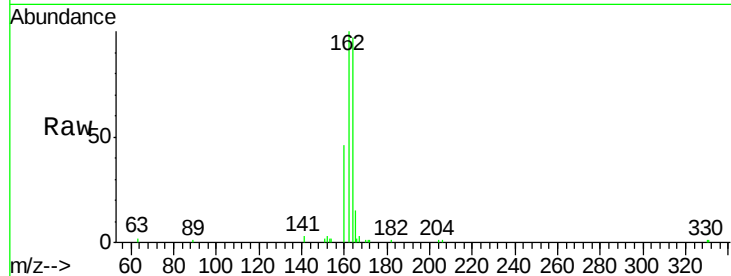
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.27 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BN006646.D
Acq: 29 Jun 2019 10:50

Instrument :
BNA_N
ClientSampleId :
PST-008-B252-061819

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.0	120.0
160	47.5	37.0	55.4

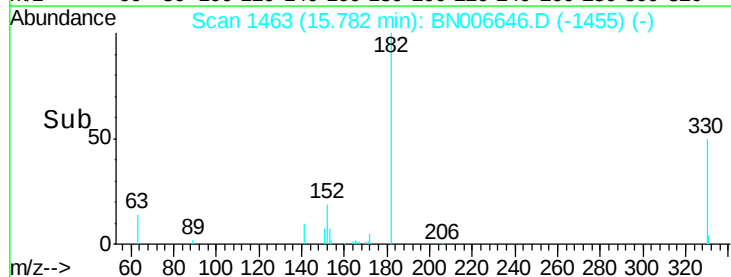
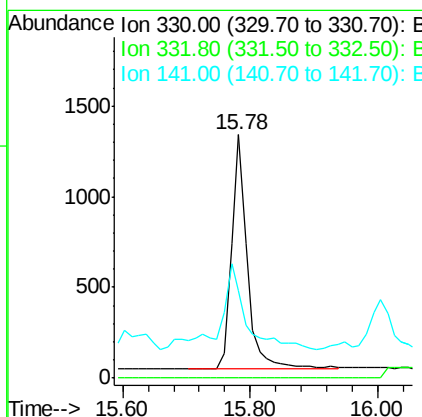
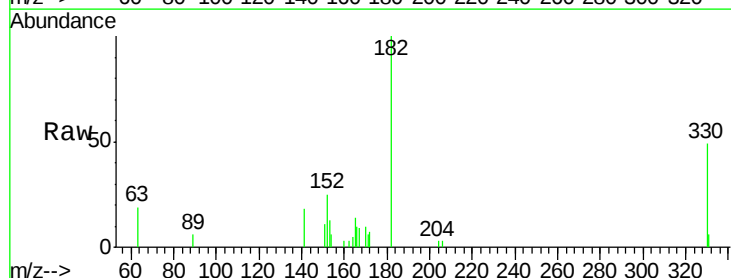
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#14
2,4,6-Tribromophenol
Concen: 0.356 ng
RT: 15.78 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BN006646.D
Acq: 29 Jun 2019 10:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	53.8	26.5	39.7#





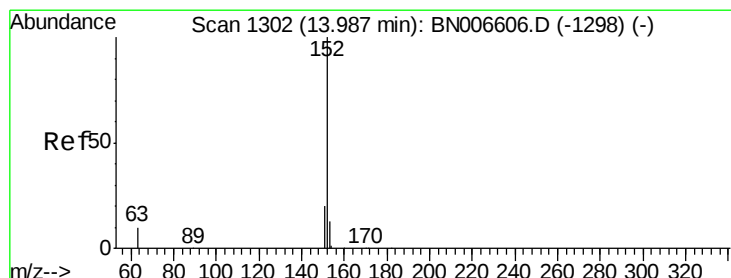
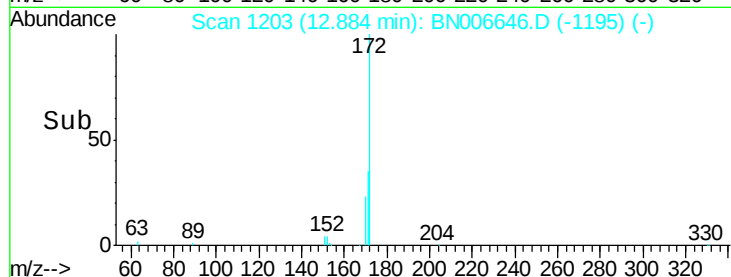
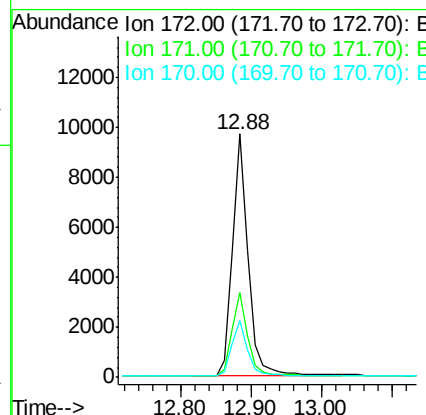
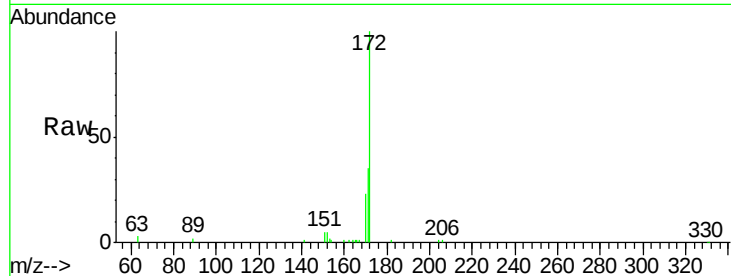
#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006646.D
Acq: 29 Jun 2019 10:50

Instrument :
BNA_N
ClientSampleId :
PST-008-B252-061819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.0	40.4
170	23.3	17.7	26.5

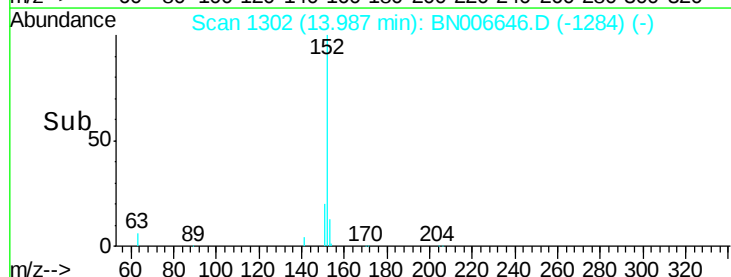
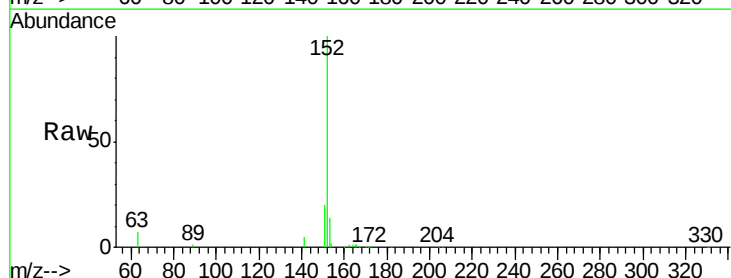
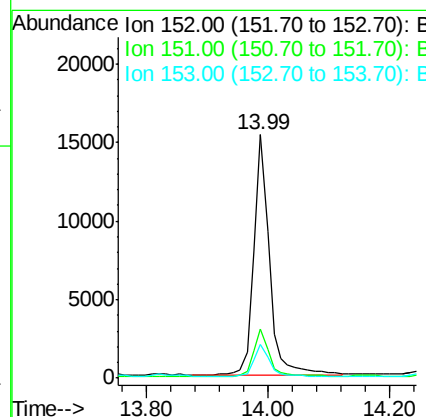
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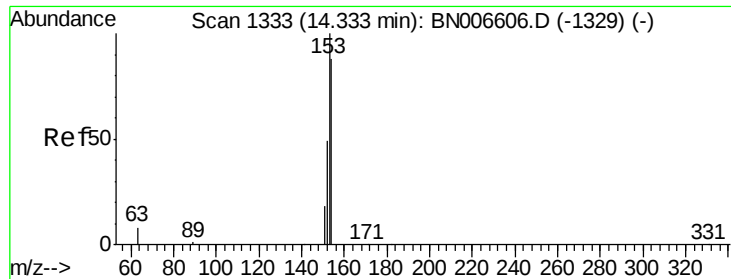
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#16
Acenaphthylene
Concen: 0.440 ng
RT: 13.99 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN006646.D
Acq: 29 Jun 2019 10:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.6	23.4
153	12.9	10.5	15.7





#17

Acenaphthene

Concen: 0.153 ng

RT: 14.33 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Instrument :

BNA_N

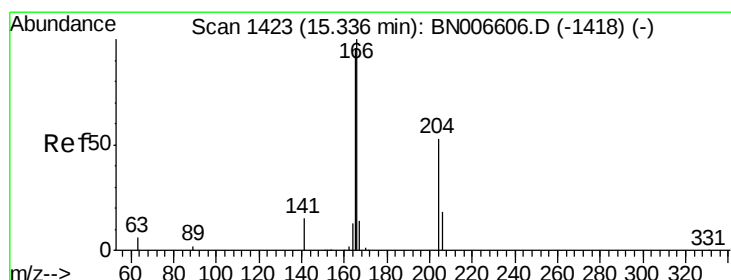
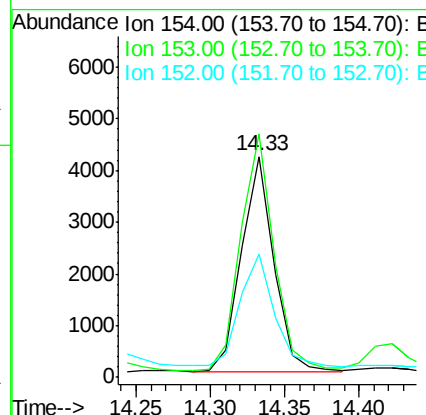
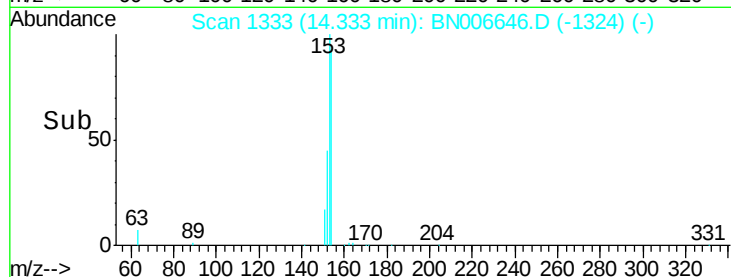
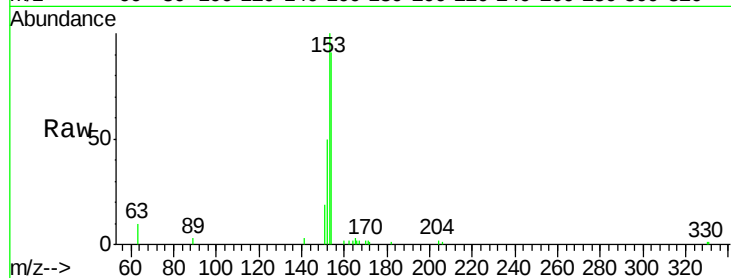
ClientSampleId :

PST-008-B252-061819

Tgt Ion:	154	Resp:	6271
Ion Ratio	Lower	Upper	
154	100		
153	113.1	90.2	135.4
152	54.9	44.2	66.4

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#18

Fluorene

Concen: 0.189 ng

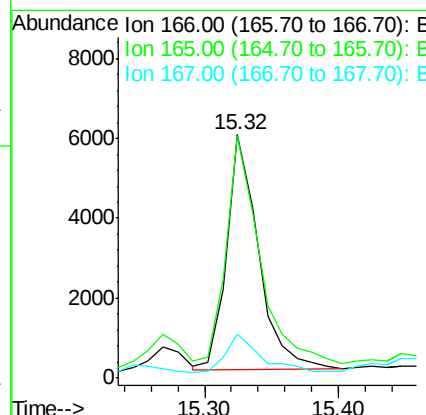
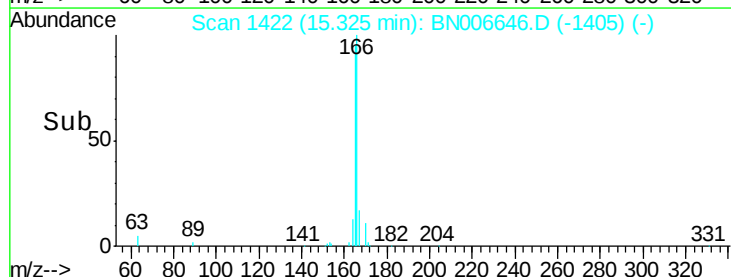
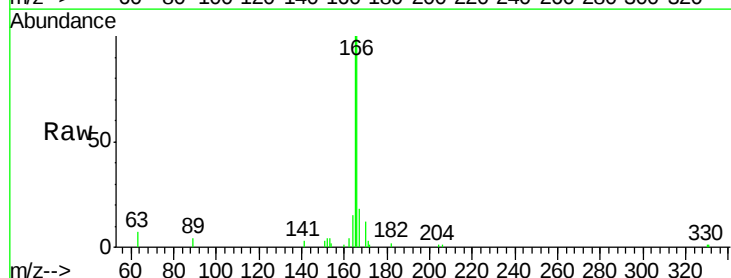
RT: 15.32 min Scan# 1422

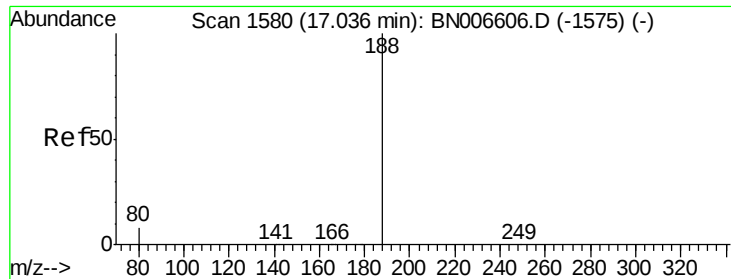
Delta R.T. -0.01 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Tgt Ion:	166	Resp:	9763
Ion Ratio	Lower	Upper	
166	100		
165	103.0	78.4	117.6
167	18.3	10.8	16.2#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Instrument :

BNA_N

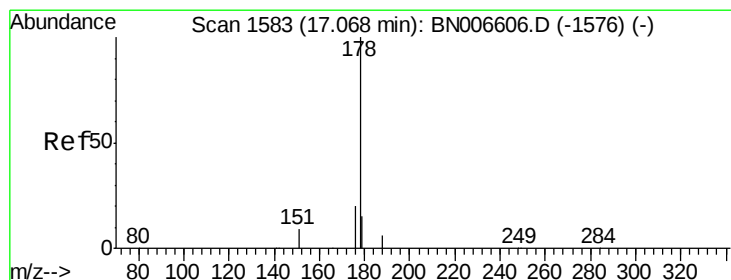
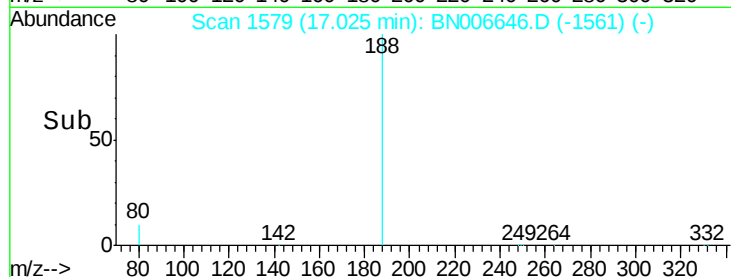
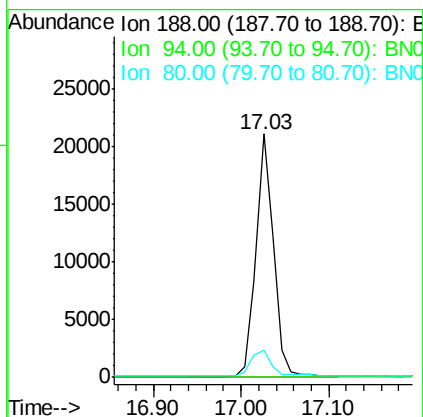
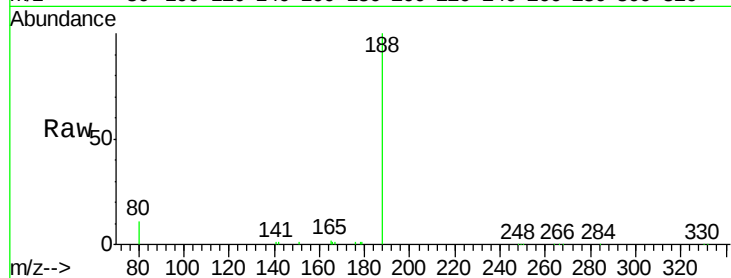
ClientSampleId :

PST-008-B252-061819

Tgt Ion:	188	Resp:	29079
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.0	7.1	10.7#

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#23

Phenanthrene

Concen: 3.011 ng

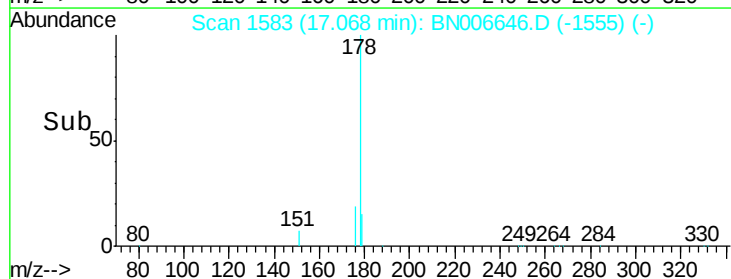
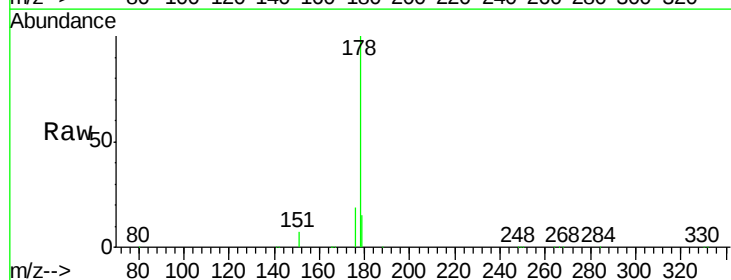
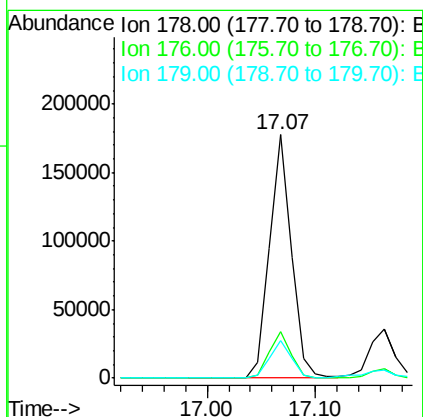
RT: 17.07 min Scan# 1583

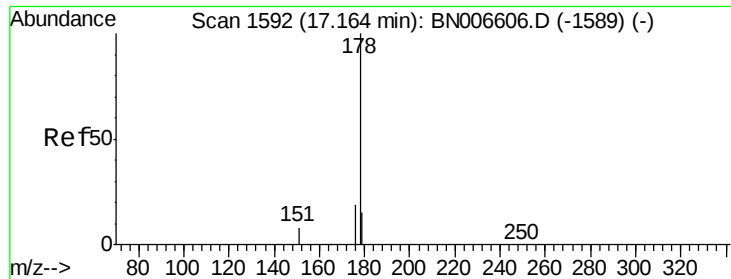
Delta R.T. 0.00 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Tgt Ion:	178	Resp:	248923
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	15.4	12.2	18.4





#24

Anthracene

Concen: 0.715 ng

RT: 17.16 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Instrument :

BNA_N

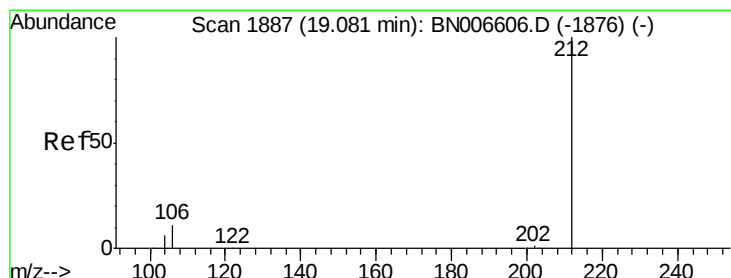
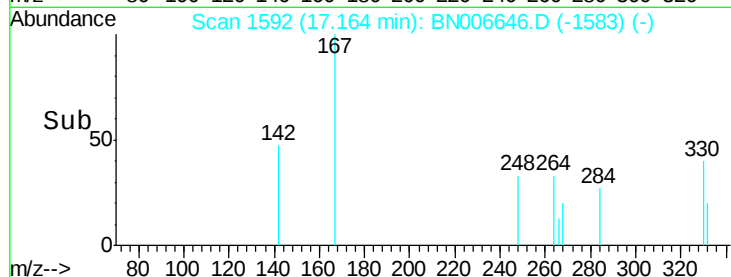
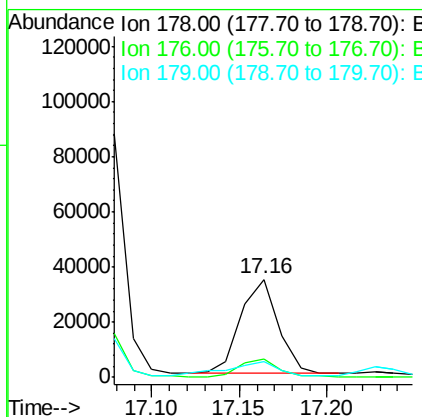
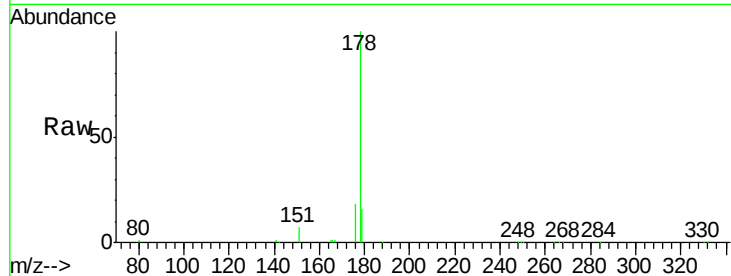
ClientSampleId :

PST-008-B252-061819

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.0	22.4
179	20.2	12.2	18.2

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.340 ng

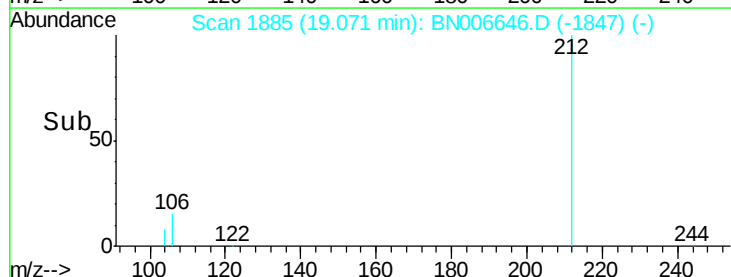
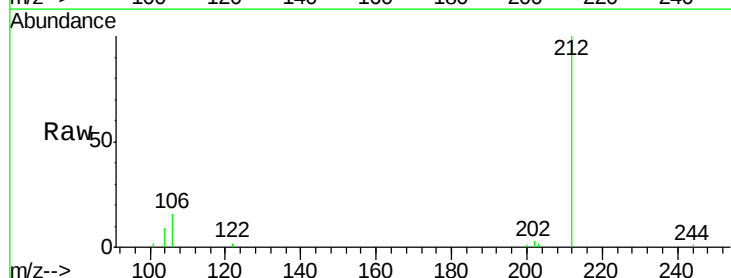
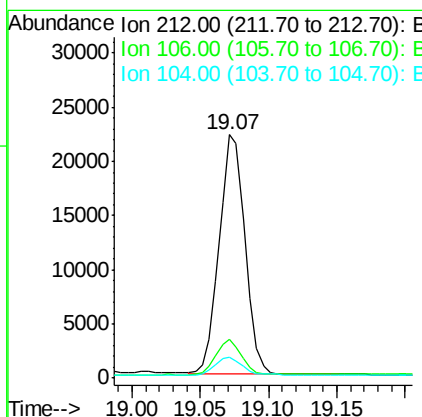
RT: 19.07 min Scan# 1885

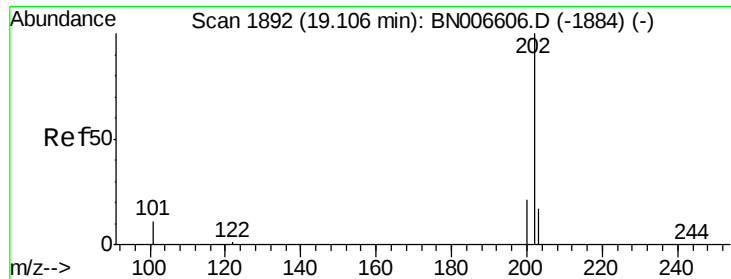
Delta R.T. -0.01 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.3	10.6	15.8
104	8.0	5.8	8.6





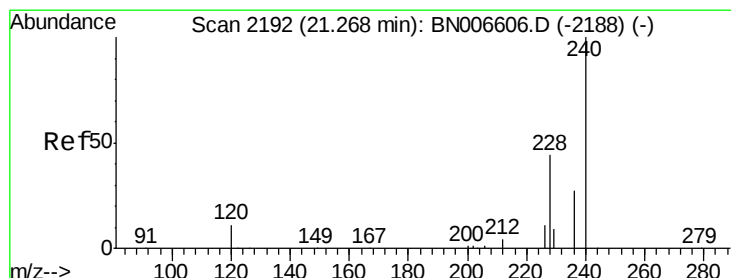
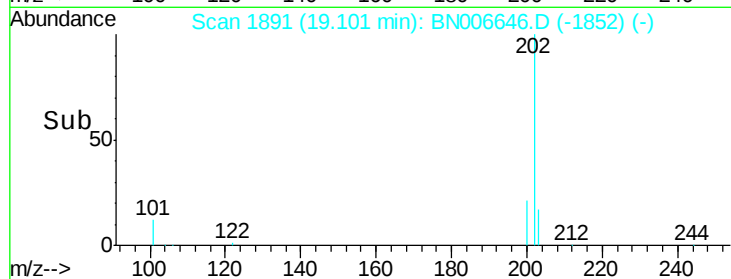
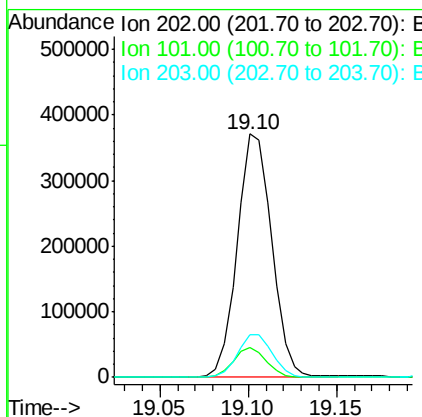
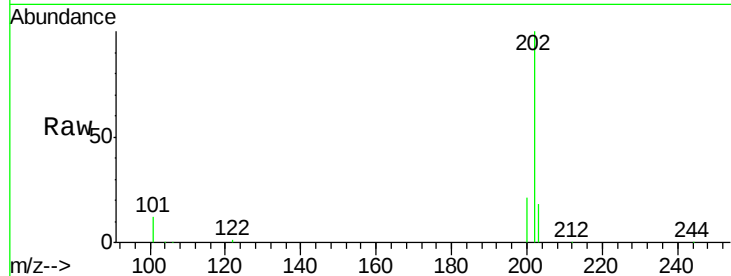
#26
Fluoranthene
 Concen: 4.985 ng
 RT: 19.10 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: BN006646.D
 Acq: 29 Jun 2019 10:50

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B252-061819

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.6	8.9	13.3
203	17.6	13.6	20.4

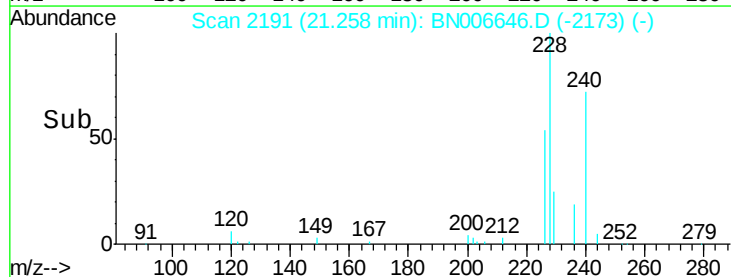
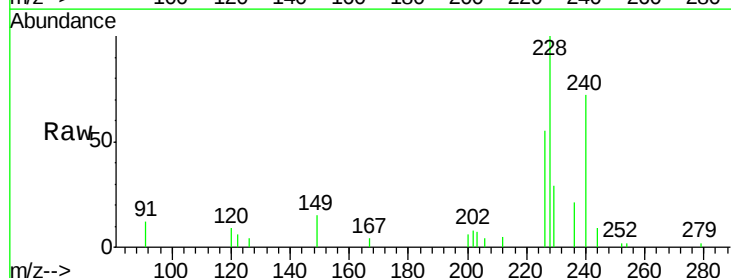
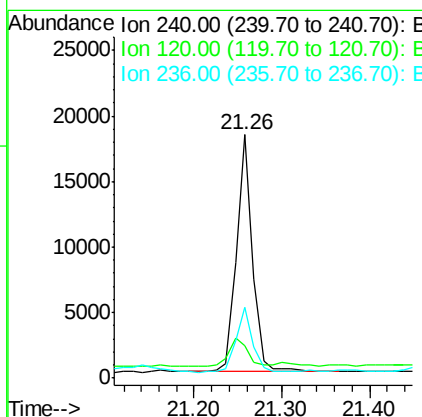
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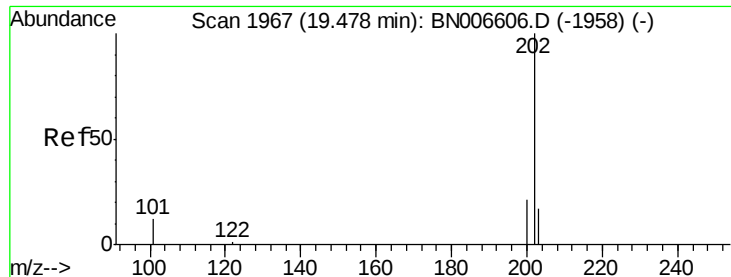
mohammad
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BN006646.D
 Acq: 29 Jun 2019 10:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.3	9.9	14.9
236	29.2	22.2	33.4





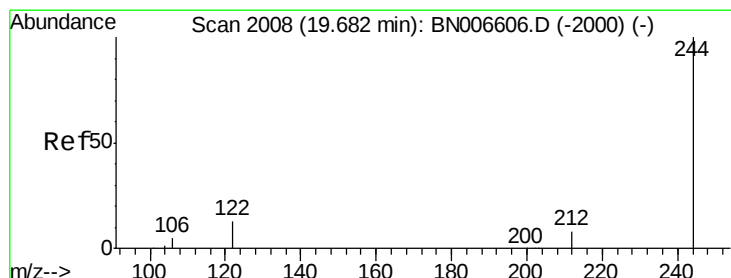
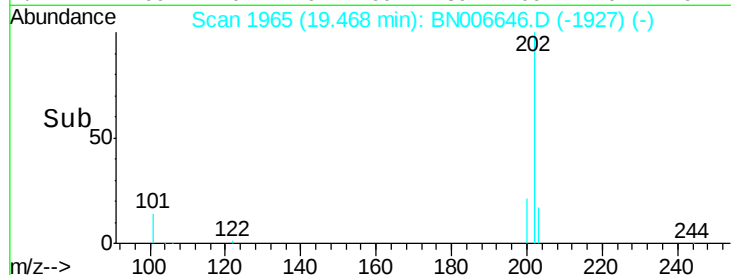
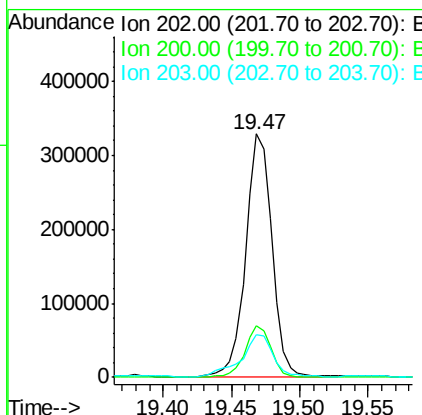
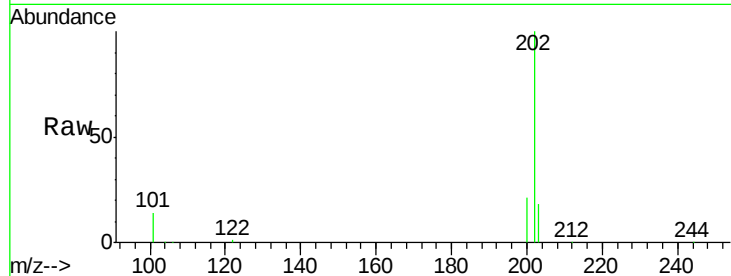
#28
Pyrene
Concen: 5.471 ng
RT: 19.47 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BN006646.D
Acq: 29 Jun 2019 10:50

Instrument :
BNA_N
ClientSampleId :
PST-008-B252-061819

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	437751		
200	20.8	16.7	25.1	
203	21.1	14.1	21.1	

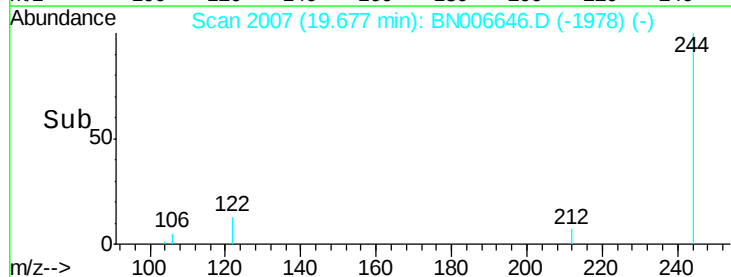
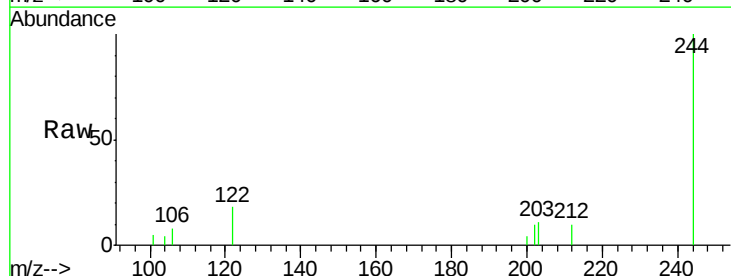
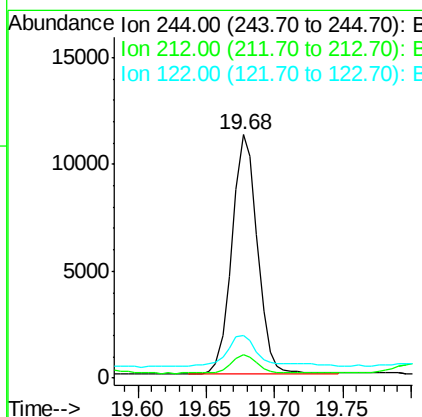
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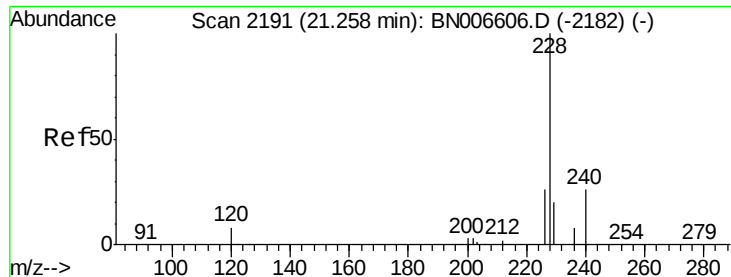
mohammad
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#29
Terphenyl-d14
Concen: 0.303 ng
RT: 19.68 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BN006646.D
Acq: 29 Jun 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	14489		
212	9.7	6.7	10.1	
122	17.6	11.0	16.6	





#30

Benzo(a)anthracene

Concen: 3.150 ng

RT: 21.24 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Instrument :

BNA_N

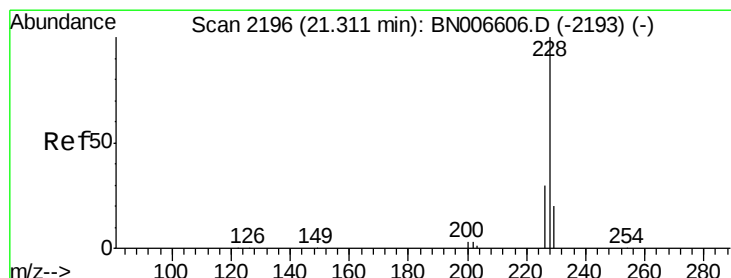
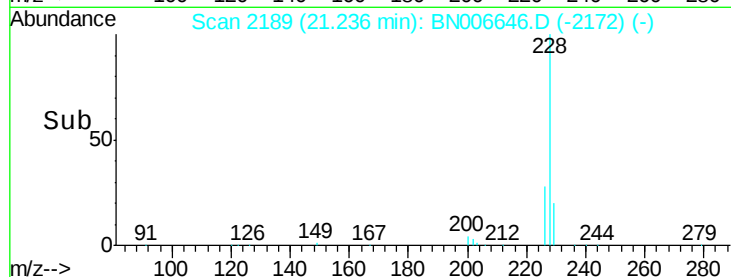
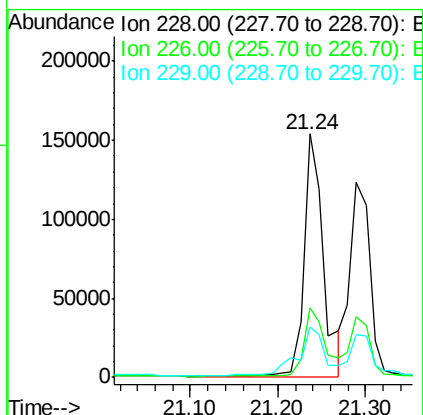
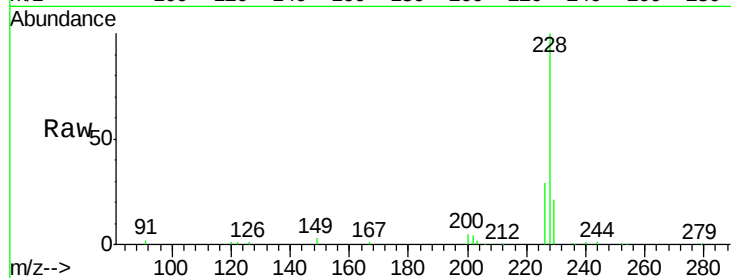
ClientSampleId :

PST-008-B252-061819

Tgt Ion:	228	Resp:	235479
Ion Ratio	Lower	Upper	
228	100		
226	28.7	21.2	31.8
229	20.7	16.1	24.1

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#31

Chrysene

Concen: 2.381 ng

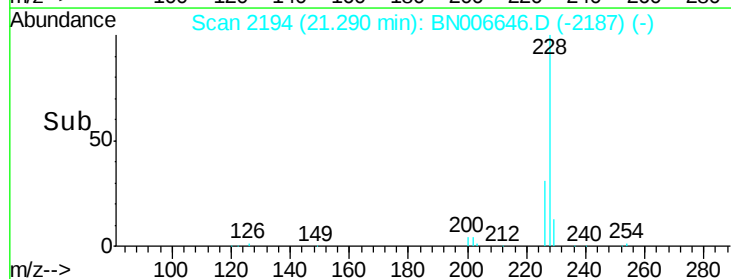
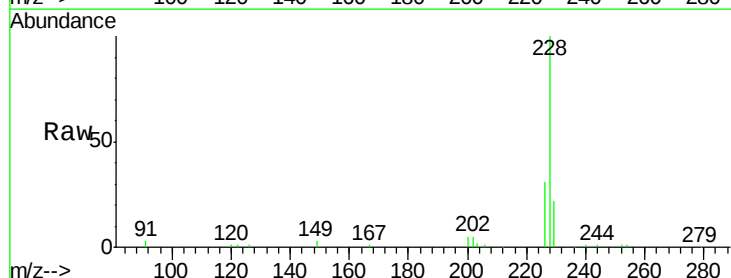
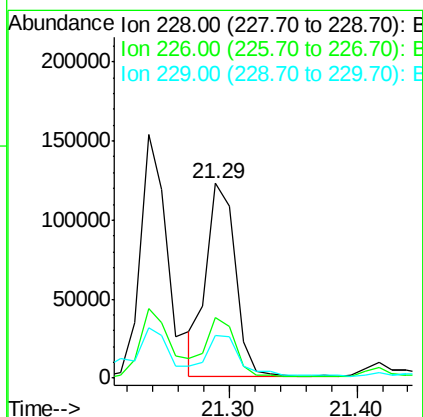
RT: 21.29 min Scan# 2194

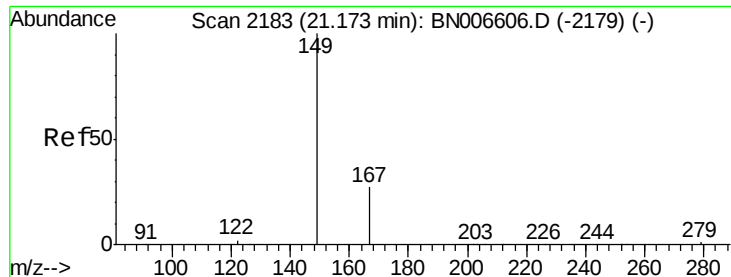
Delta R.T. -0.02 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Tgt Ion:	228	Resp:	191857
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.8	35.6
229	22.0	15.9	23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 2.477 ng

RT: 21.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Instrument :

BNA_N

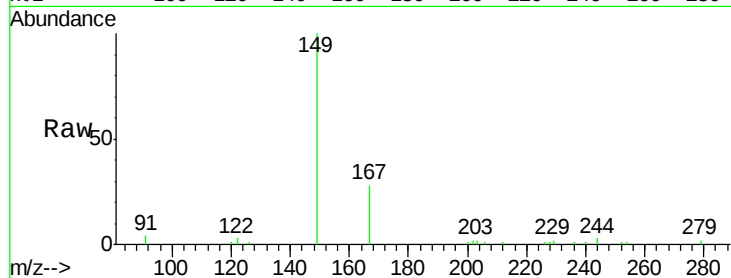
ClientSampleId :

PST-008-B252-061819

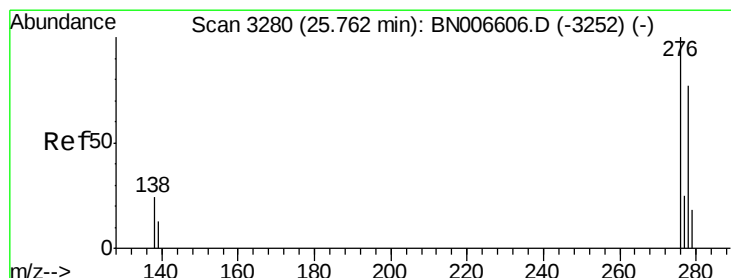
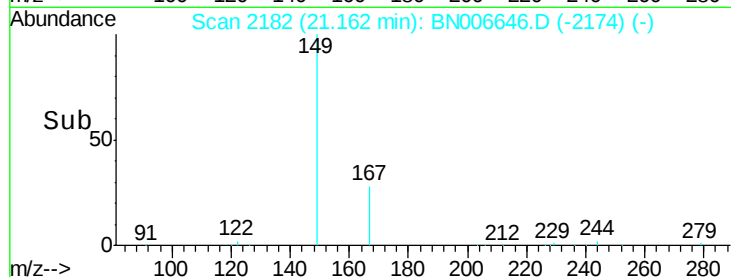
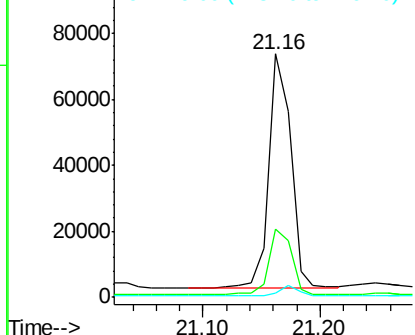
Tgt Ion:	149	Resp:	93205
Ion Ratio	Lower	Upper	
149	100		
167	28.4	22.9	34.3
279	3.9	3.3	4.9

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.209 ng

RT: 25.73 min Scan# 3271

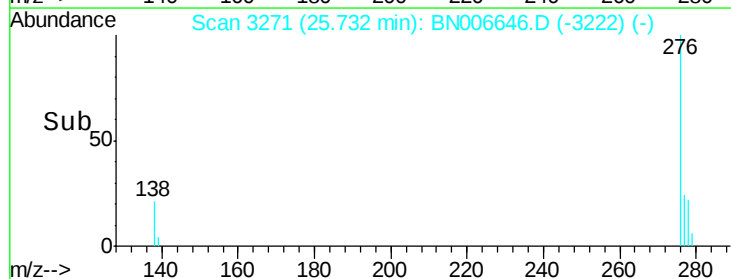
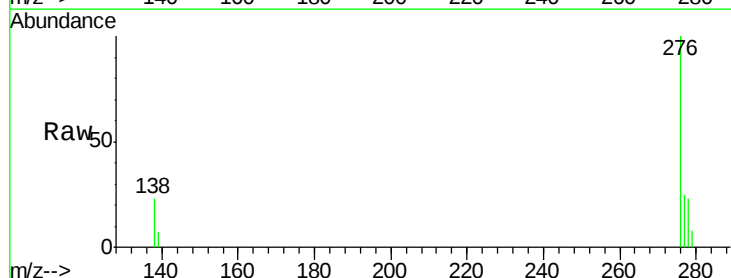
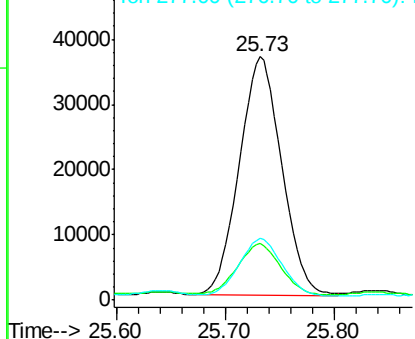
Delta R.T. -0.03 min

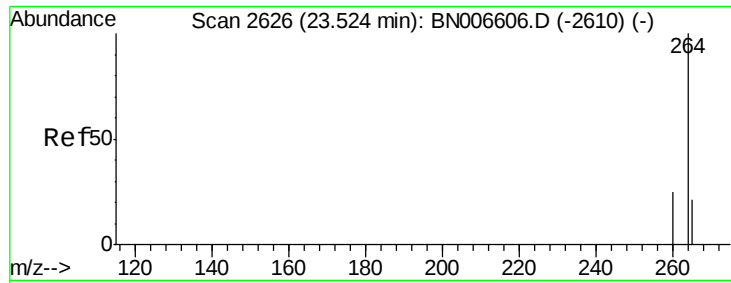
Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Tgt Ion:	276	Resp:	98652
Ion Ratio	Lower	Upper	
276	100		
138	21.6	19.3	28.9
277	24.5	19.9	29.9

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





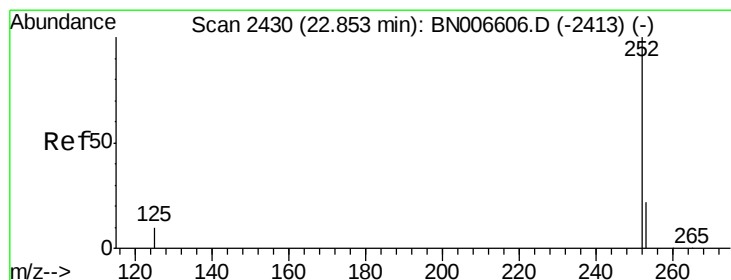
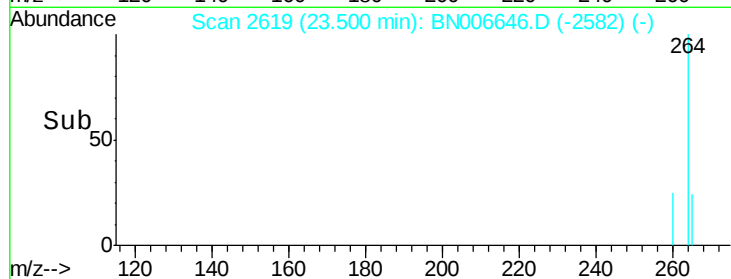
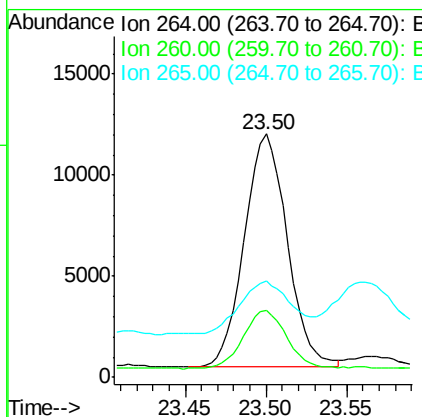
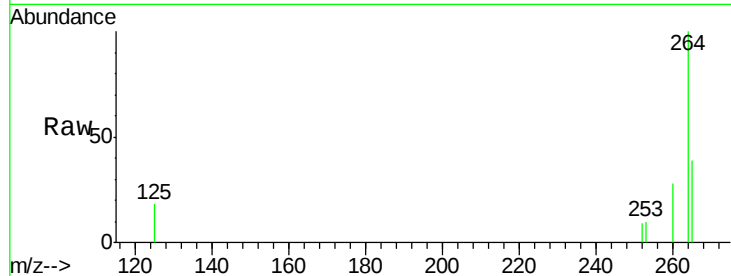
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.50 min Scan# 2619
 Delta R.T. -0.02 min
 Lab File: BN006646.D
 Acq: 29 Jun 2019 10:50

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B252-061819

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.7	20.2	30.2
265	39.4	23.3	34.9

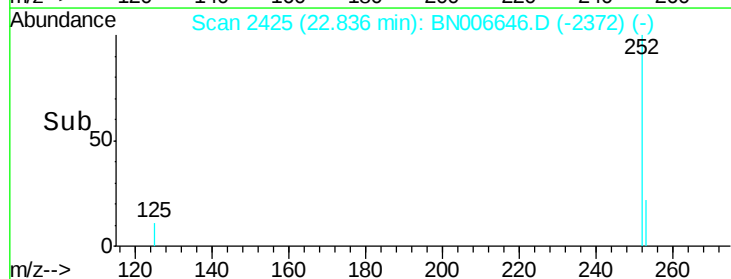
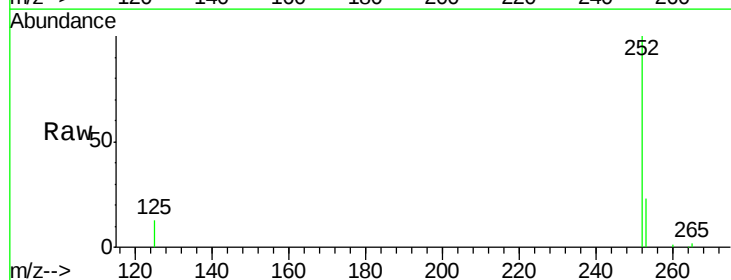
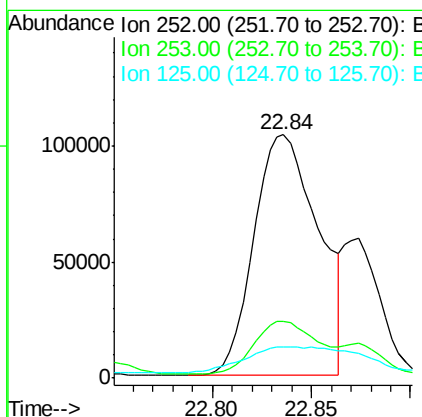
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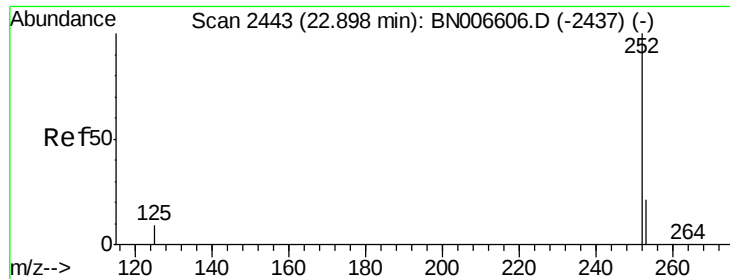
mohammad
 7/1/2019 3:09:03 PM



#35
 Benzo(b)fluoranthene
 Concen: 3.238 ng
 RT: 22.84 min Scan# 2425
 Delta R.T. -0.02 min
 Lab File: BN006646.D
 Acq: 29 Jun 2019 10:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	13.1	8.7	13.1





#36

Benzo(k)fluoranthene

Concen: 1.015 ng m

RT: 22.87 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BN006646.D

Acq: 29 Jun 2019 10:50

Instrument :

BNA_N

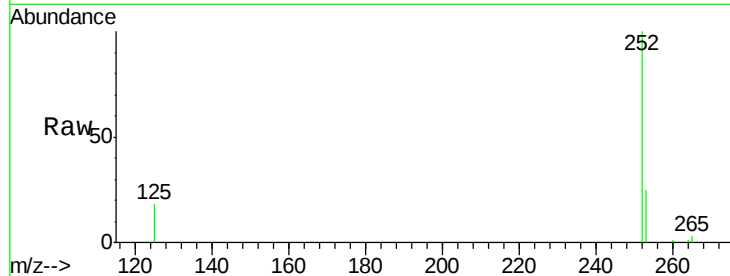
ClientSampleId :

PST-008-B252-061819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.3	27.5
125	17.7	8.4	12.6

Manual Integrations
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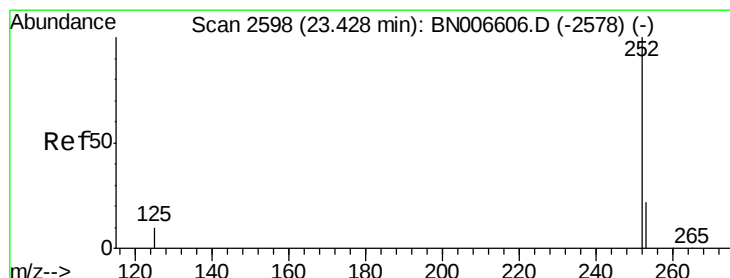
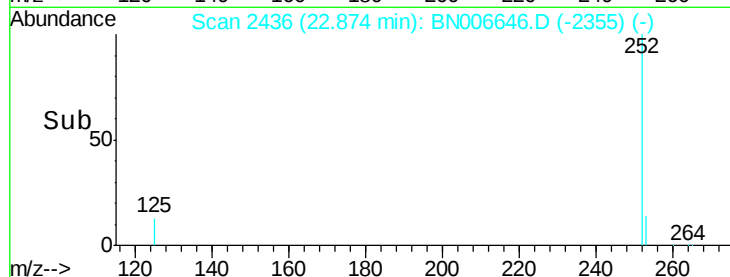
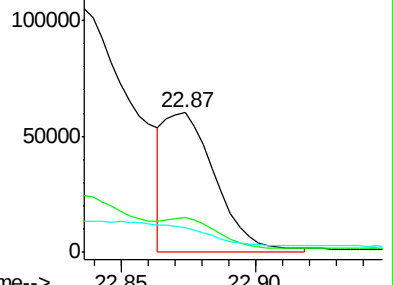
mohammad
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 2.308 ng

RT: 23.40 min Scan# 2590

Delta R.T. -0.03 min

Lab File: BN006646.D

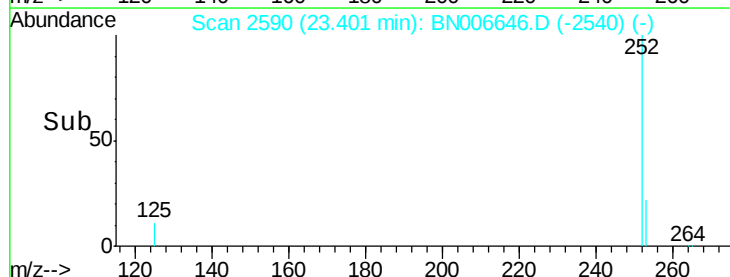
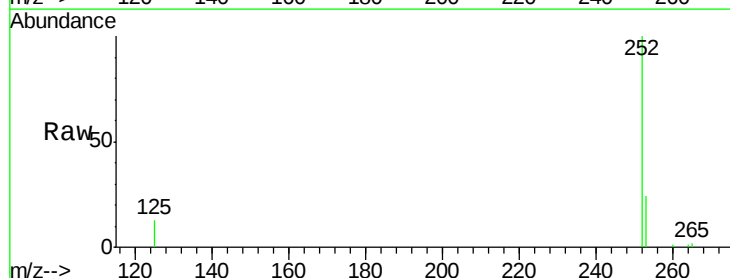
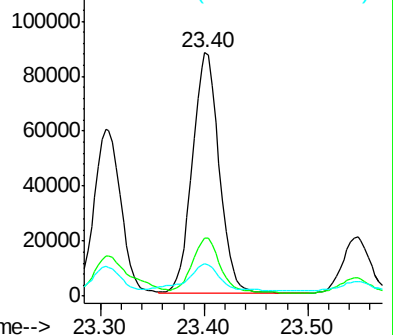
Acq: 29 Jun 2019 10:50

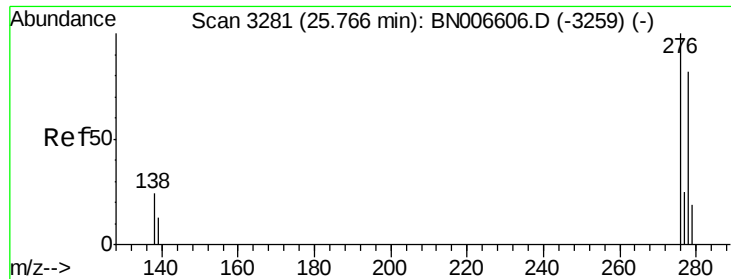
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.8	28.2
125	13.2	9.4	14.2

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





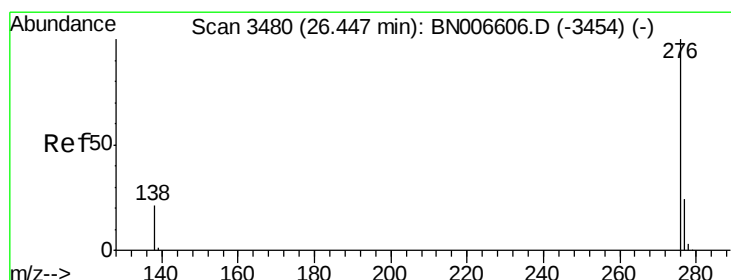
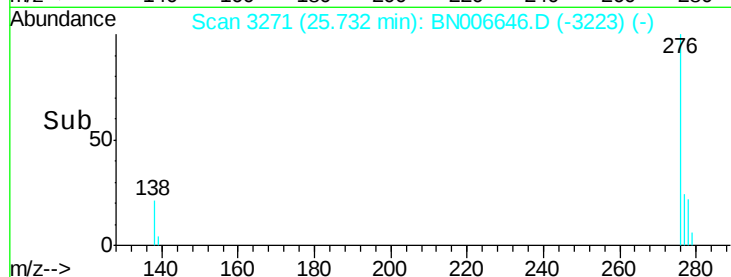
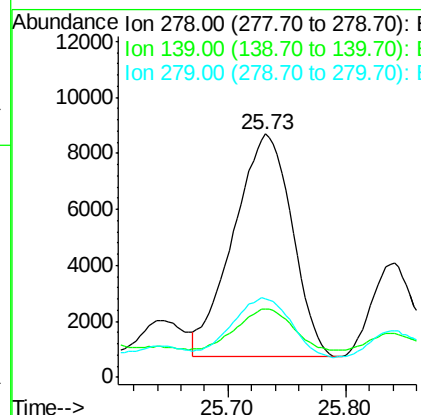
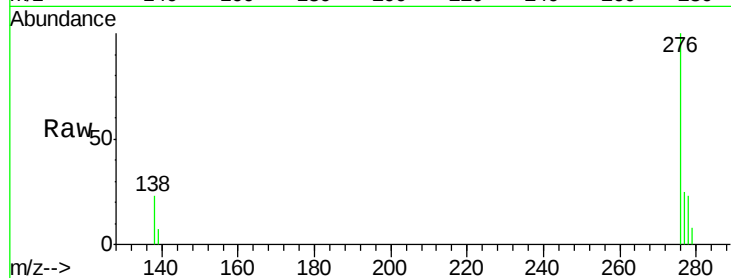
#38
Dibenzo(a,h)anthracene
Concen: 0.465 ng
RT: 25.73 min Scan# 3271
Delta R.T. -0.03 min
Lab File: BN006646.D
Acq: 29 Jun 2019 10:50

Instrument :
BNA_N
ClientSampleId :
PST-008-B252-061819

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.3	13.5	20.3#
279	32.5	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/1/2019 3:09:03 PM



#39
Benzo(g,h,i)perylene
Concen: 1.538 ng
RT: 26.42 min Scan# 3471
Delta R.T. -0.03 min
Lab File: BN006646.D
Acq: 29 Jun 2019 10:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	23.6	17.7	26.5

