

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006644.D
 Acq On : 29 Jun 2019 09:41
 Operator : HP/JU
 Sample : K3446-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-008-B253-061819

Manual Integrations
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Quant Time: Jul 01 08:28:05 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	5380	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	23469	0.40	ng	-0.01
13) Acenaphthene-d10	14.27	164	15067	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	31902	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	23595	0.40	ng	-0.01
34) Perylene-d12	23.50	264	27675	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	4371	0.33	ng	0.00
5) Phenol-d6	6.81	99	6542	0.37	ng	-0.02
8) Nitrobenzene-d5	8.78	82	5434	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	11.99	152	13614	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	2373	0.33	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	18466	0.33	ng	-0.01
25) Fluoranthene-d10	19.08	212	33295	0.36	ng	0.00
29) Terphenyl-d14	19.68	244	27411	0.55	ng	0.00

Target Compounds					Qvalue	
9) Naphthalene	10.44	128	252890	4.101	ng	99
12) 2-Methylnaphthalene	12.07	142	127516	2.992	ng	98
16) Acenaphthylene	13.99	152	274986	3.828	ng	99
17) Acenaphthene	14.33	154	187656	3.965	ng	99
18) Fluorene	15.32	166	388630	6.509	ng	96
23) Phenanthrene	17.07	178	4603815	50.752	ng	99
24) Anthracene	17.16	178	1328163	16.875	ng	# 93
26) Fluoranthene	19.11	202	5493778	49.834	ng	96
28) Pyrene	19.48	202	4831039	58.514	ng	# 93
30) Benzo(a)anthracene	21.25	228	2557917	33.159	ng	97
31) Chrysene	21.30	228	2128823	25.599	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	164143	4.228	ng	91
33) Indeno(1,2,3-cd)pyrene	25.74	276	1058691	12.578	ng	98
35) Benzo(b)fluoranthene	22.84	252	2350857	24.972	ng	# 95
36) Benzo(k)fluoranthene	22.88	252	919560m	9.163	ng	
37) Benzo(a)pyrene	23.41	252	1743494	19.811	ng	# 96
38) Dibenzo(a,h)anthracene	25.74	278	311984	4.058	ng	# 86
39) Benzo(g,h,i)perylene	26.43	276	953719	12.427	ng	99

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

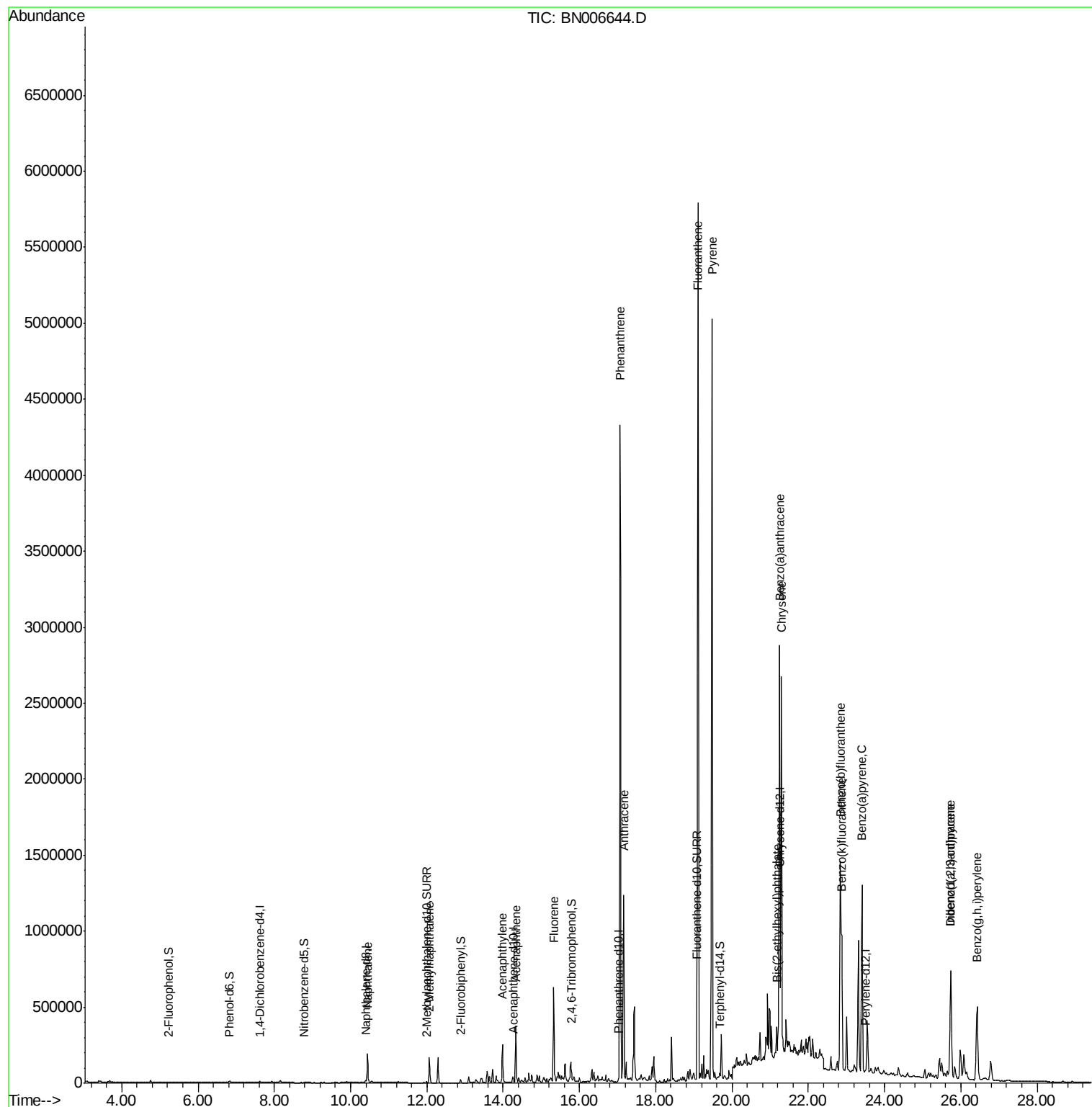
Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
Data File : BN006644.D
Acq On : 29 Jun 2019 09:41
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Misc :
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Quant Time: Jul 01 08:28:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration





#1

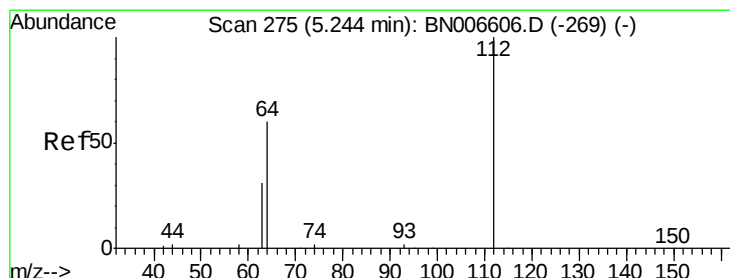
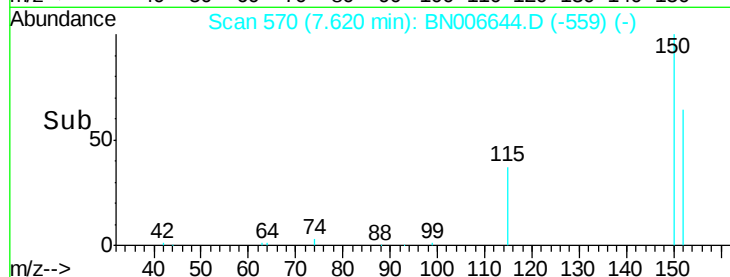
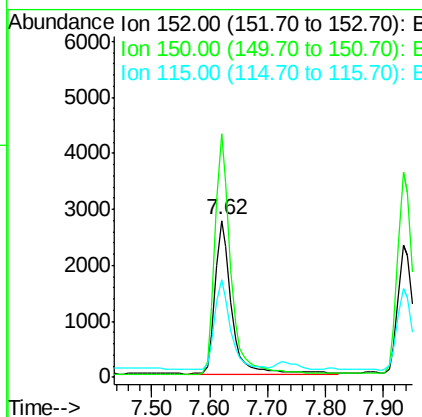
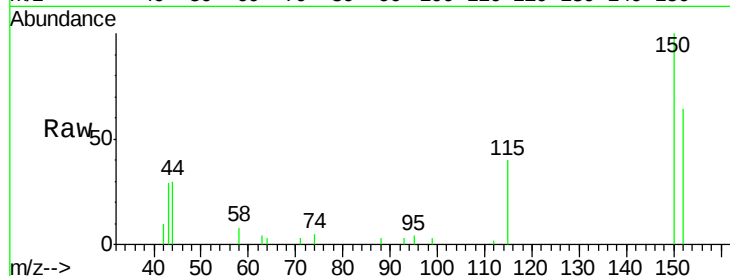
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.2	183.2
115	62.3	50.0	75.0

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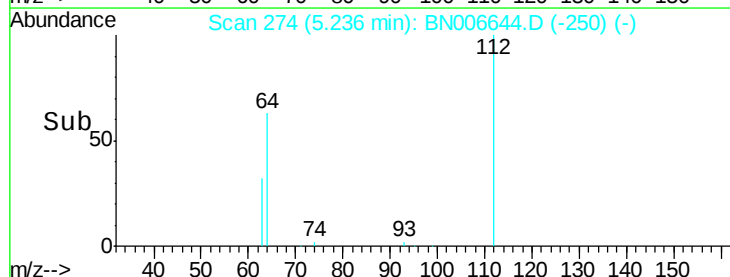
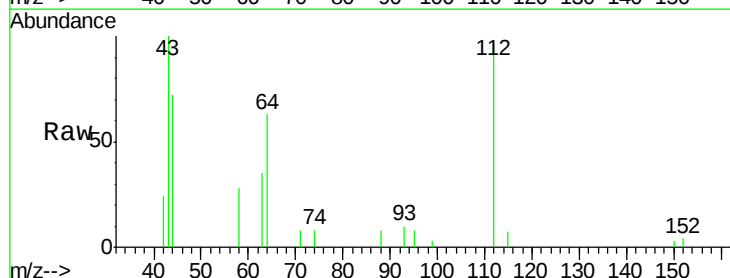
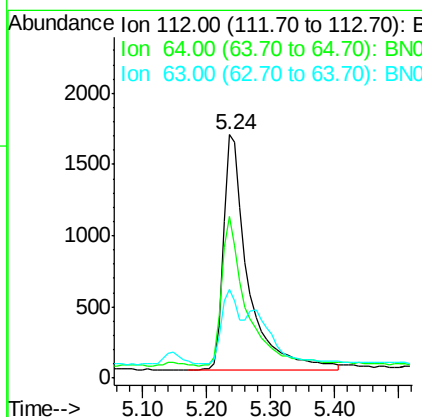
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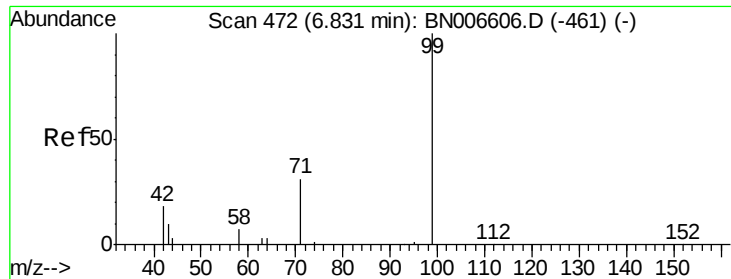


#4

2-Fluorophenol
Concen: 0.331 ng
RT: 5.24 min Scan# 274
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	48.9	73.3
63	24.8	24.3	36.5





#5

Phenol-d6

Concen: 0.375 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

Instrument :

BNA_N

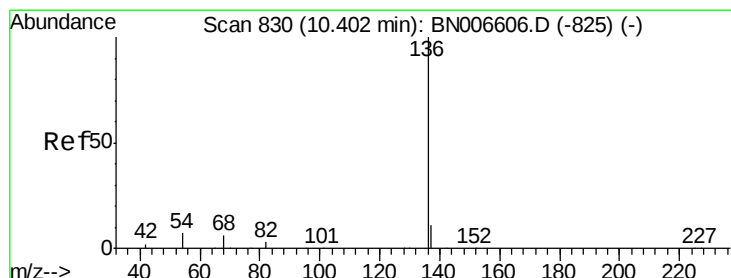
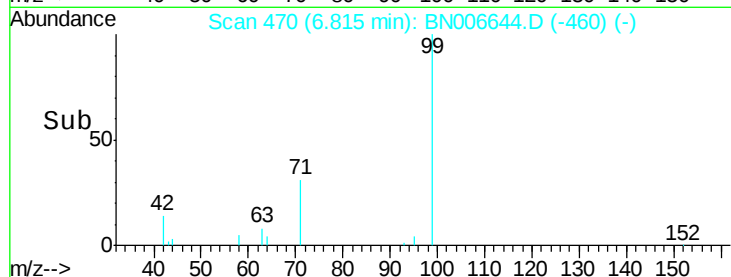
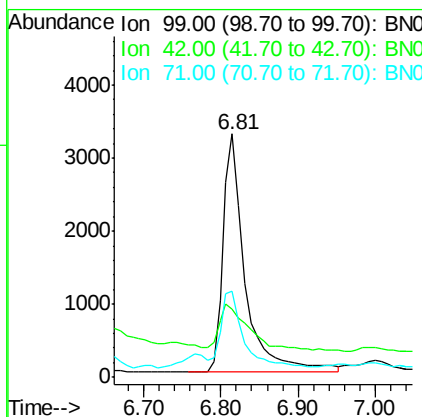
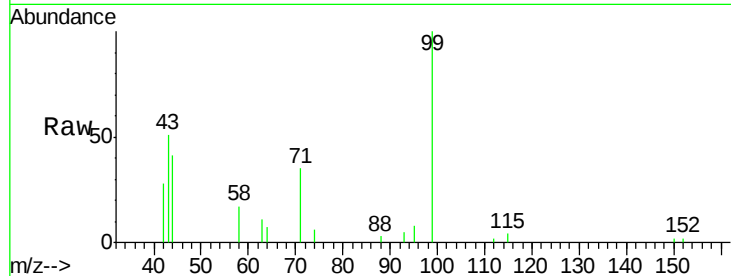
ClientSampleId :

PST-008-B253-061819

Tgt Ion:	99	Resp:	6542
Ion	Ratio	Lower	Upper
99	100		
42	27.1	16.4	24.6#
71	31.6	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

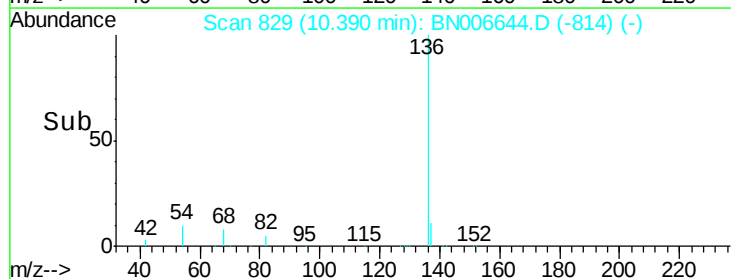
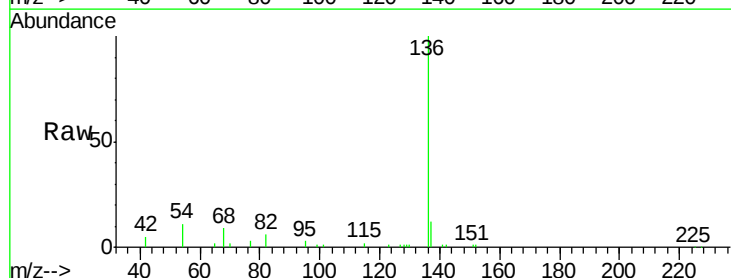
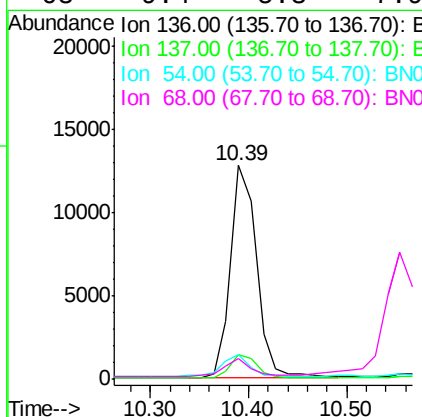
RT: 10.39 min Scan# 829

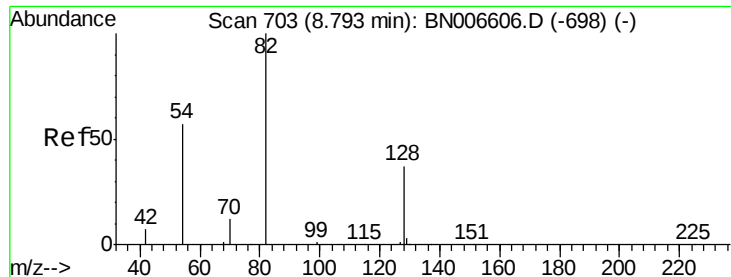
Delta R.T. -0.01 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

Tgt Ion:	136	Resp:	23469
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	11.5	6.7	10.1#
68	9.4	5.3	7.9#





#8

Nitrobenzene-d5

Concen: 0.344 ng

RT: 8.78 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

Instrument :

BNA_N

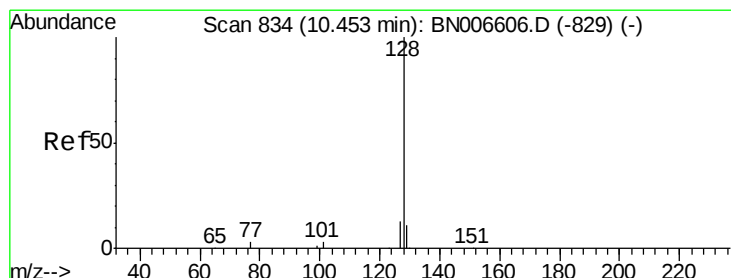
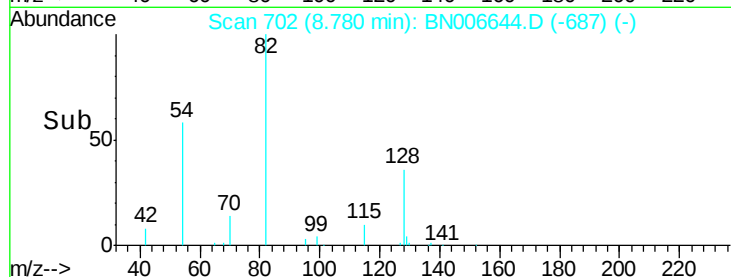
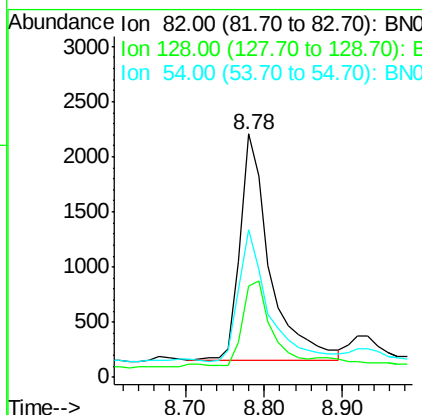
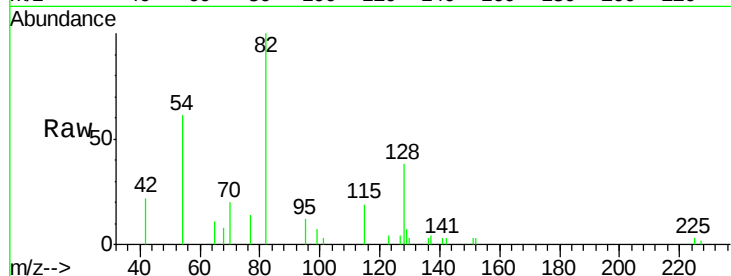
ClientSampleId :

PST-008-B253-061819

Tgt Ion:	82	Resp:	5434
Ion Ratio	Lower	Upper	
82	100		
128	37.6	32.6	49.0
54	60.7	48.2	72.4

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#9

Naphthalene

Concen: 4.101 ng

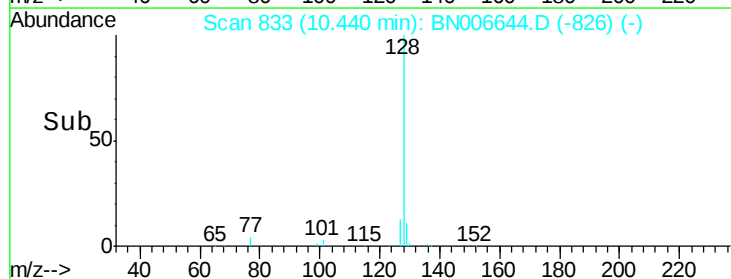
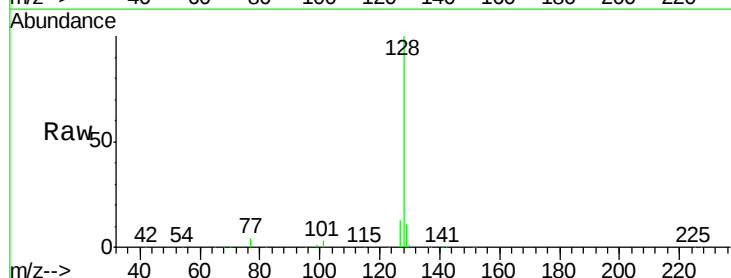
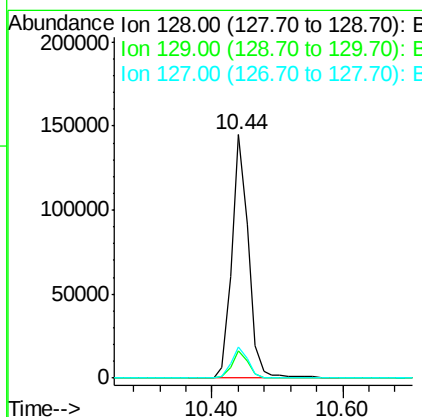
RT: 10.44 min Scan# 833

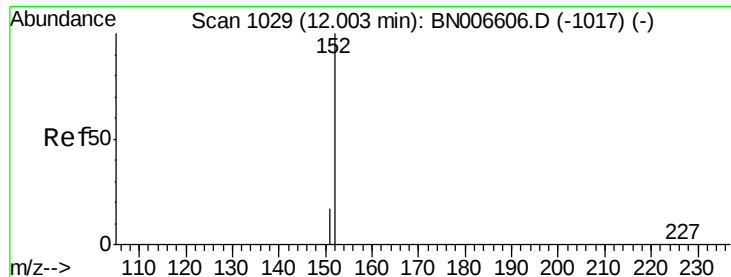
Delta R.T. -0.01 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

Tgt Ion:	128	Resp:	252890
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.3	13.9
127	13.1	10.8	16.2





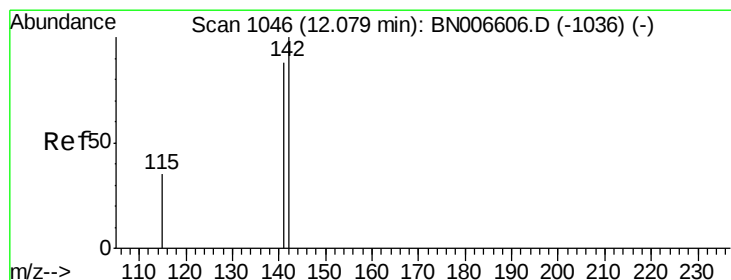
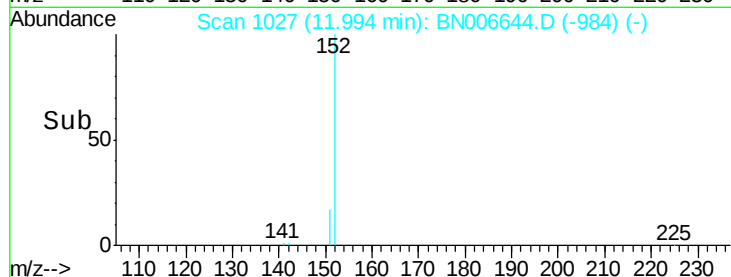
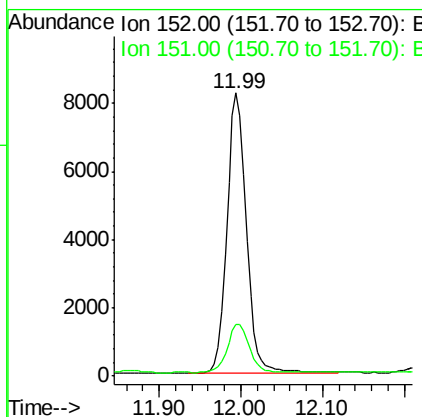
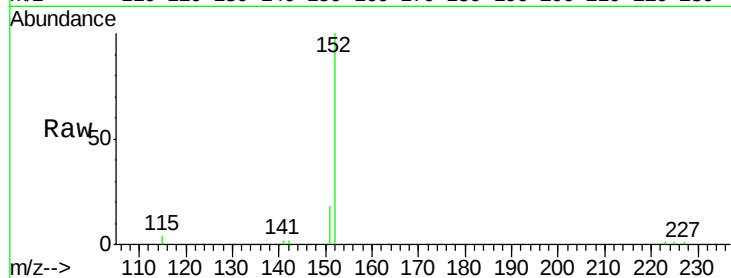
#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 11.99 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.0	22.4

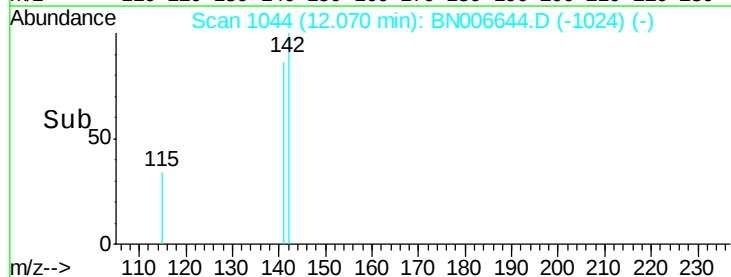
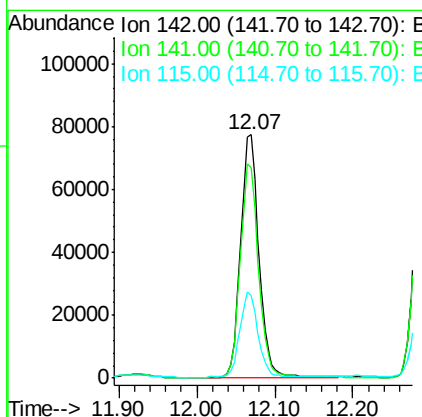
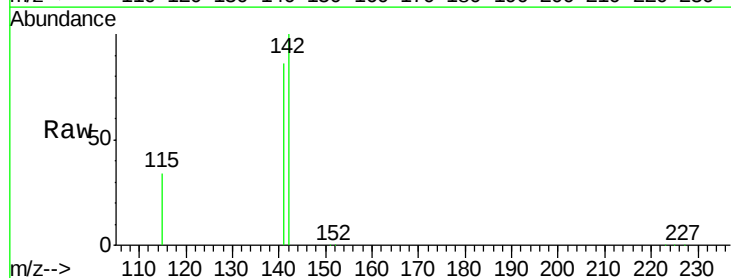
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#12
2-Methylnaphthalene
Concen: 2.992 ng
RT: 12.07 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	70.2	105.4
115	33.9	28.5	42.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN006644.D

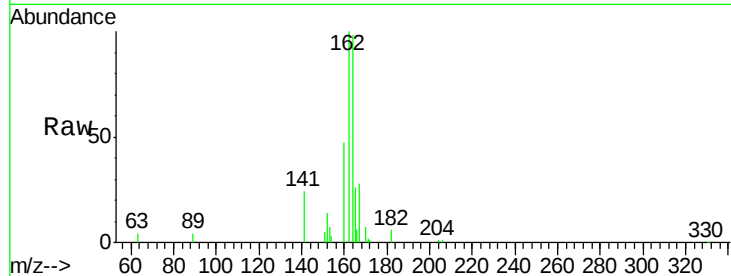
Acq: 29 Jun 2019 09:41

Instrument :

BNA_N

ClientSampleId :

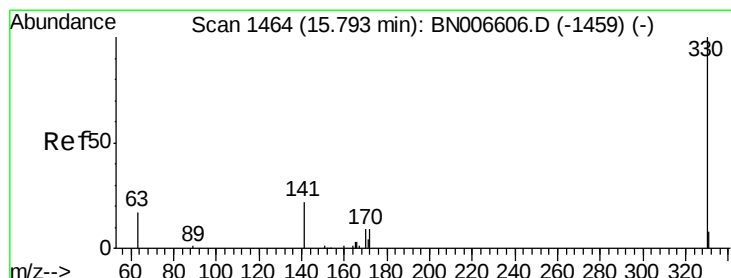
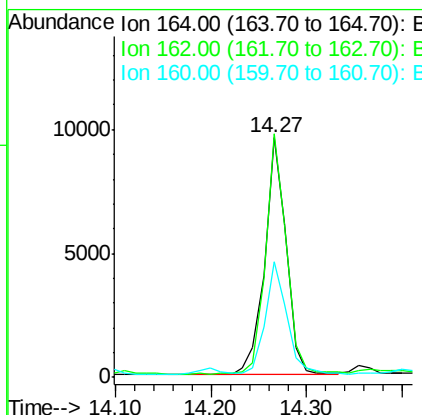
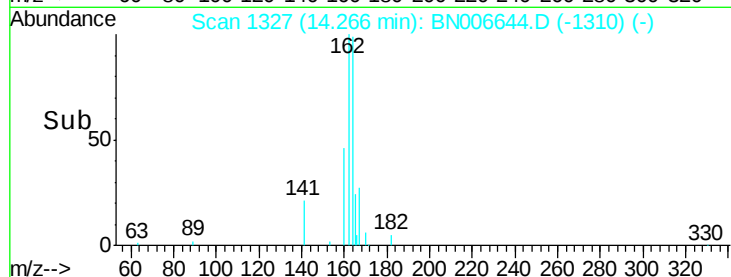
PST-008-B253-061819



Tgt Ion:	164	Resp:	15067
Ion Ratio	Lower	Upper	
164	100		
162	101.6	80.0	120.0
160	48.1	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.334 ng

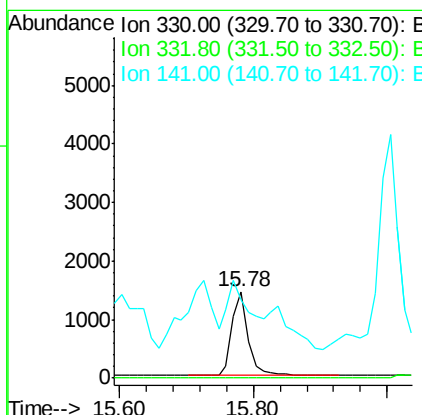
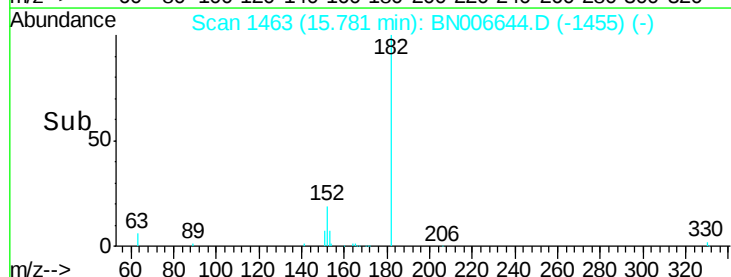
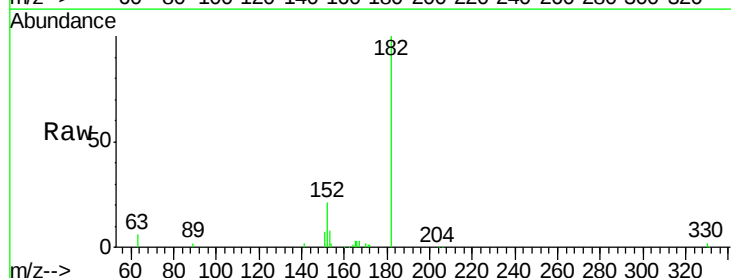
RT: 15.78 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

Tgt Ion:	330	Resp:	2373
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	65.6	26.5	39.7#





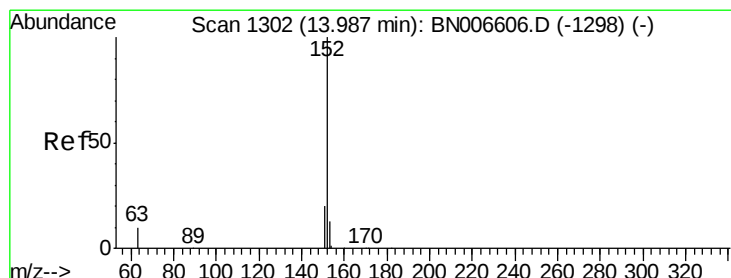
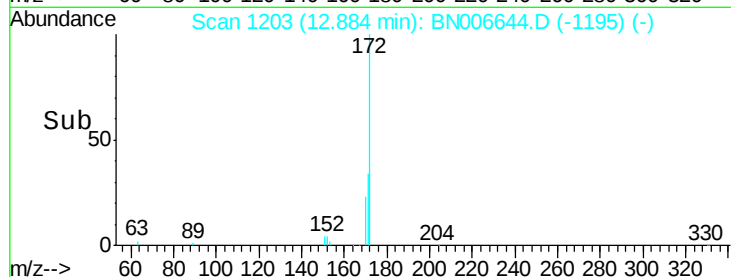
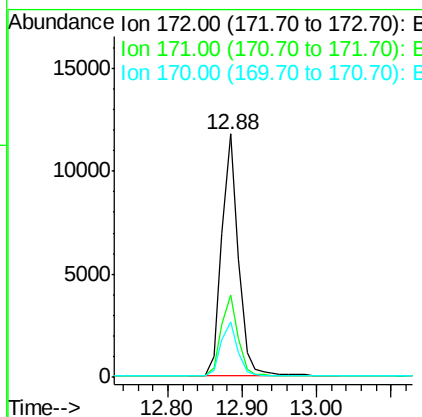
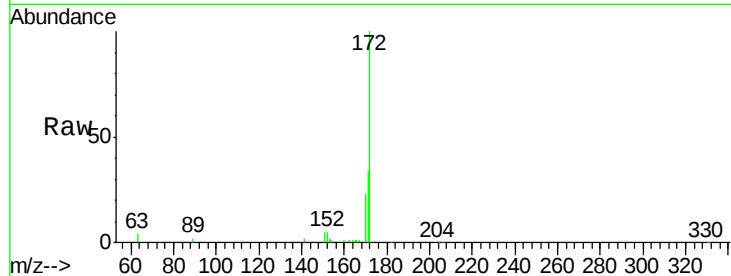
#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.0	40.4
170	22.8	17.7	26.5

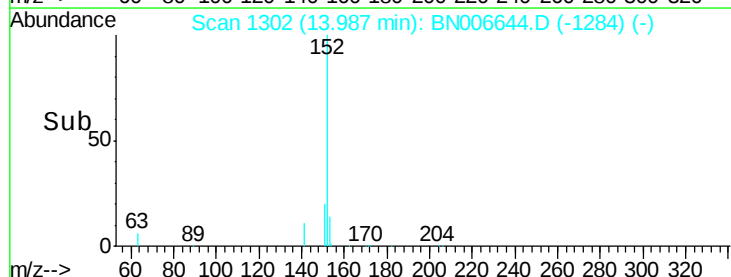
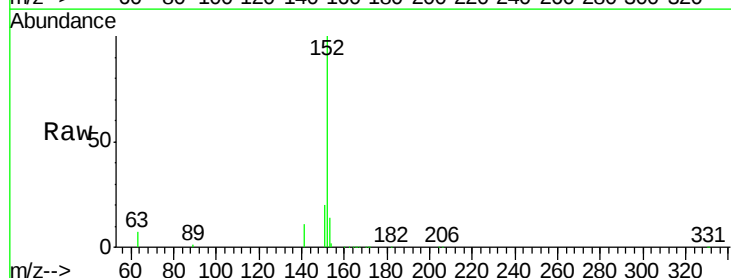
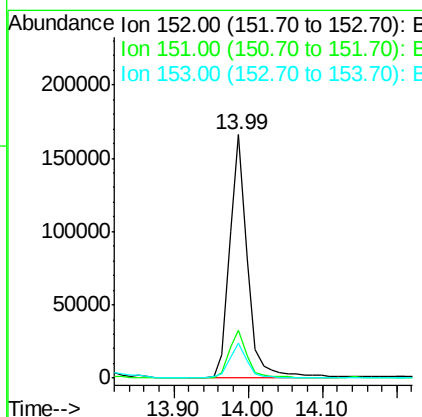
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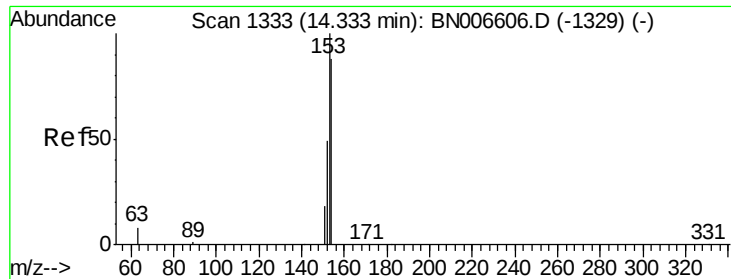
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#16
Acenaphthylene
Concen: 3.828 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	14.2	10.5	15.7





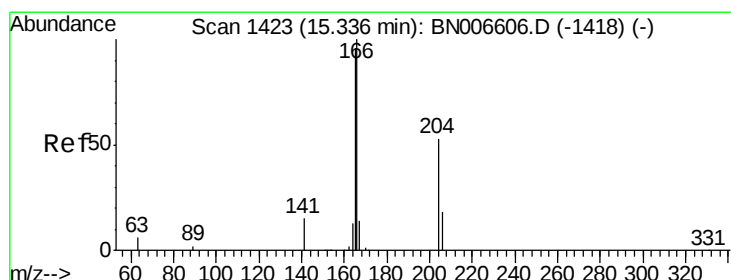
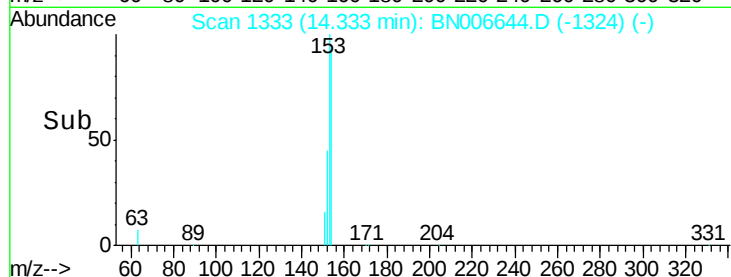
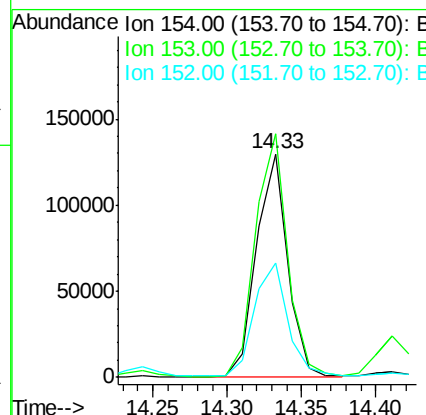
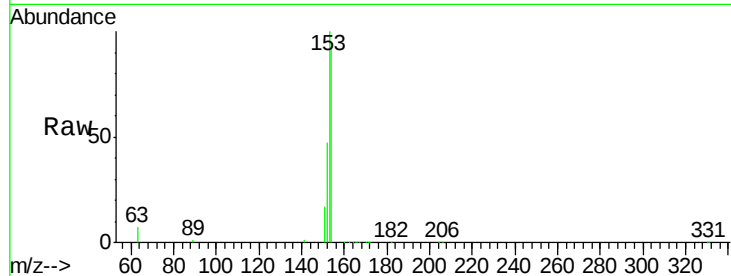
#17
Acenaphthene
Concen: 3.965 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.2	135.4
152	54.6	44.2	66.4

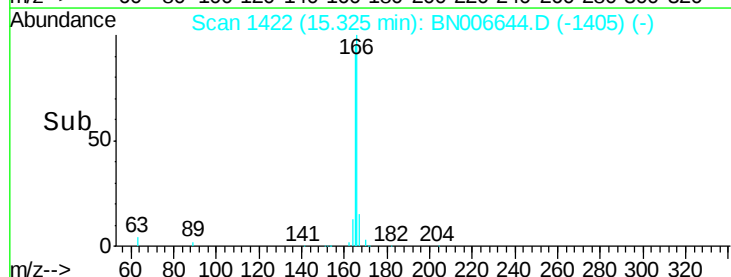
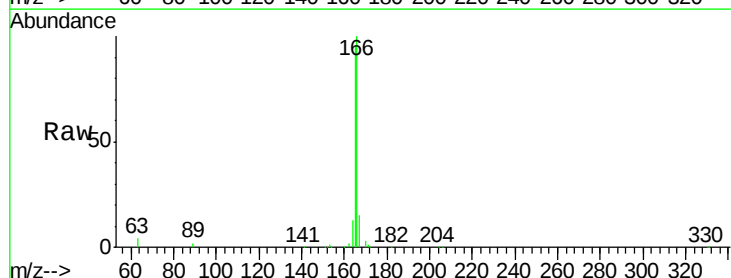
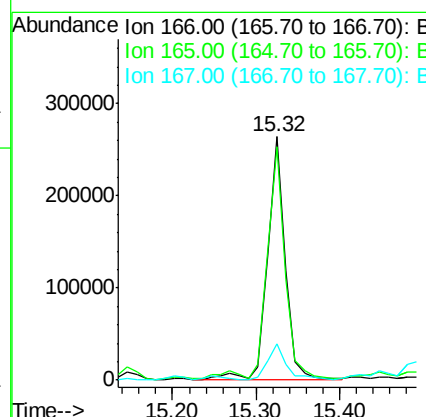
Manual Integrations
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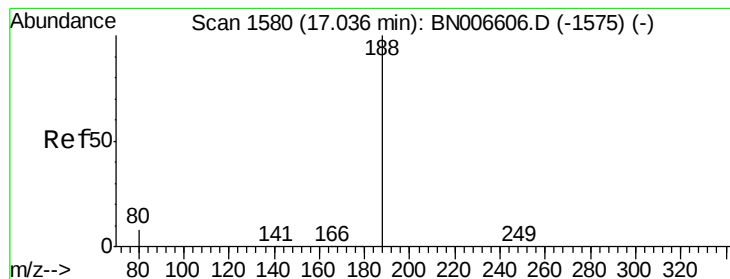
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#18
Fluorene
Concen: 6.509 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.8	78.4	117.6
167	15.7	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: BN006644.D

Acq: 29 Jun 2019 09:41

Instrument :

BNA_N

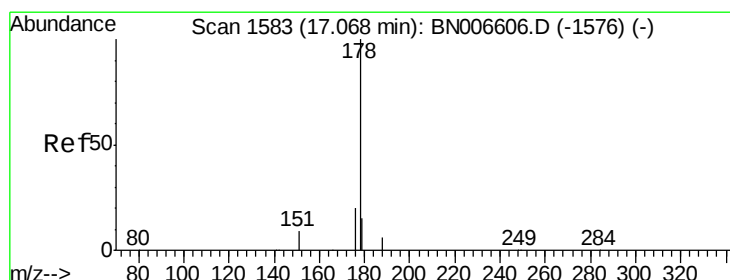
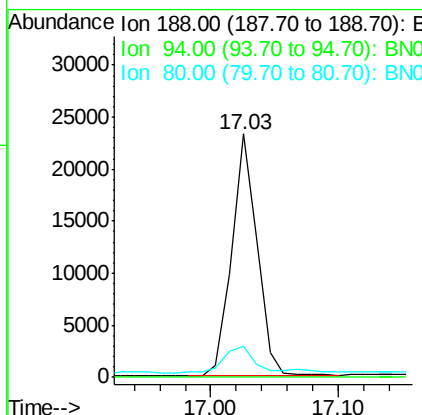
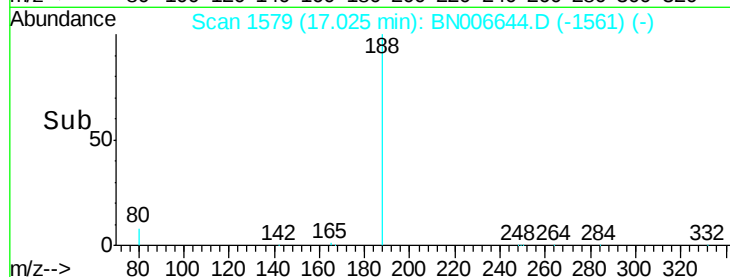
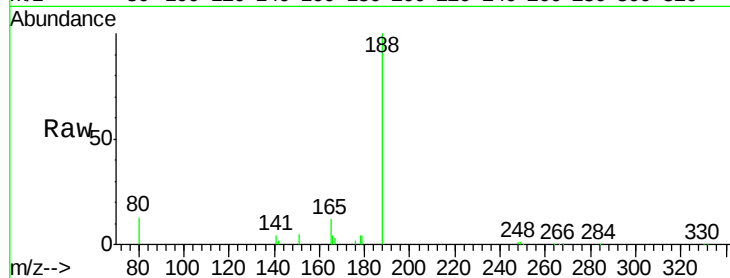
ClientSampleId :

PST-008-B253-061819

Tgt Ion:	188	Resp:	31902
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.6	7.1	10.7#

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#23

Phenanthrene

Concen: 50.752 ng

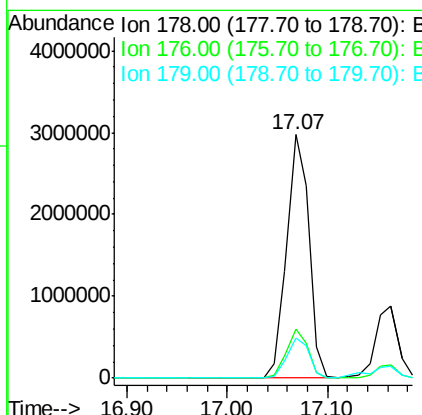
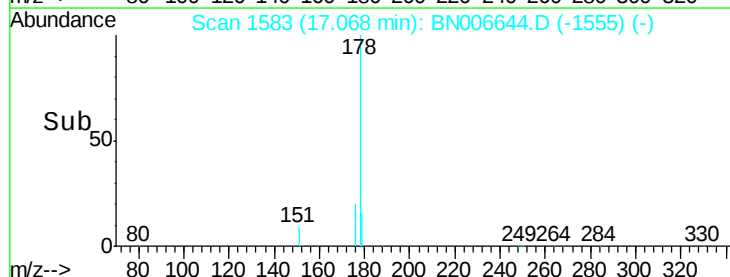
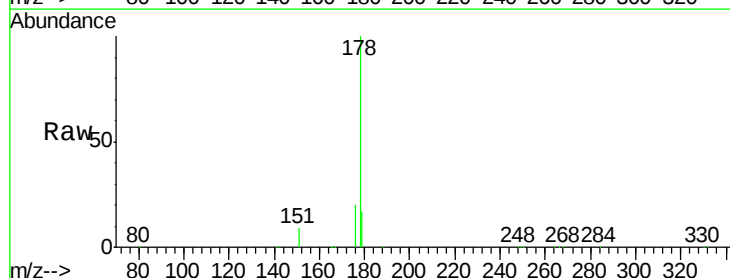
RT: 17.07 min Scan# 1583

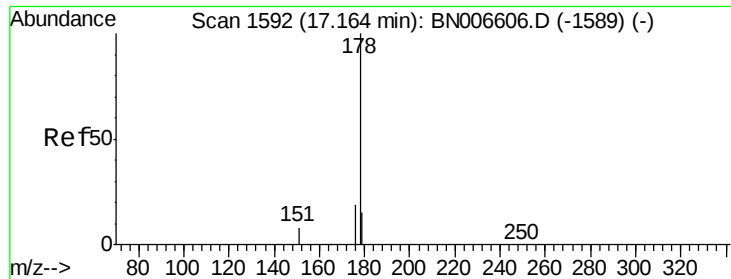
Delta R.T. -0.00 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

Tgt Ion:	178	Resp:	4603815
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.3	22.9
179	16.3	12.2	18.4





#24

Anthracene

Concen: 16.875 ng

RT: 17.16 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

Instrument :

BNA_N

ClientSampleId :

PST-008-B253-061819

Tgt Ion:178 Resp: 1328163

Ion Ratio Lower Upper

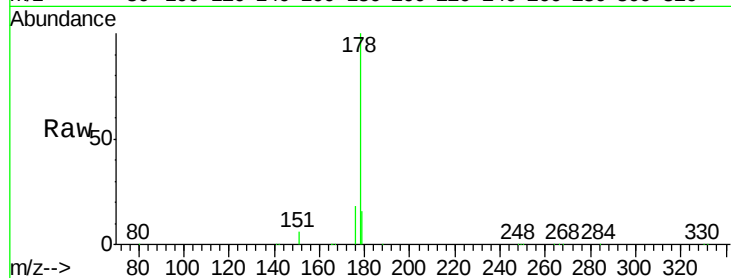
178 100

176 18.3 15.0 22.4

179 21.3 12.2 18.2#

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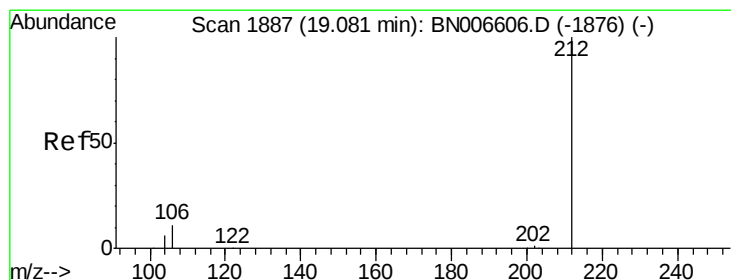
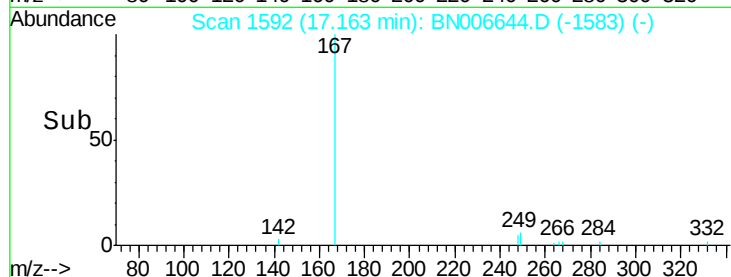
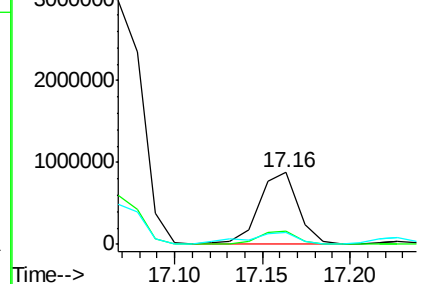
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.355 ng

RT: 19.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

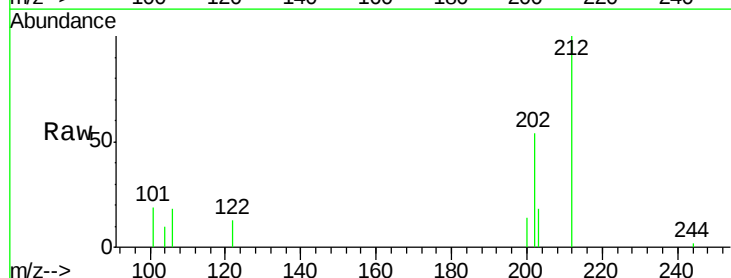
Tgt Ion:212 Resp: 33295

Ion Ratio Lower Upper

212 100

106 15.0 10.6 15.8

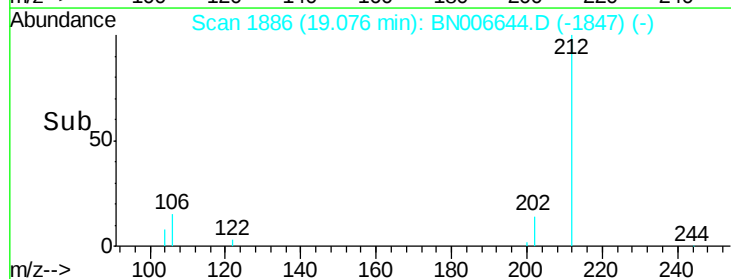
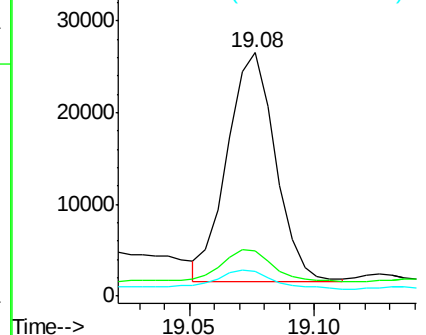
104 12.0 5.8 8.6#

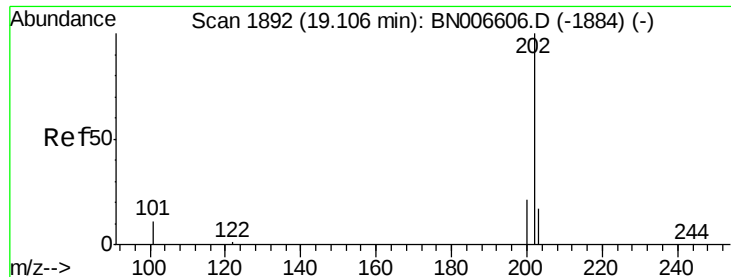


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





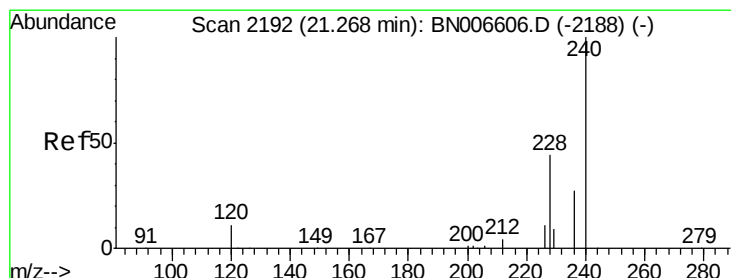
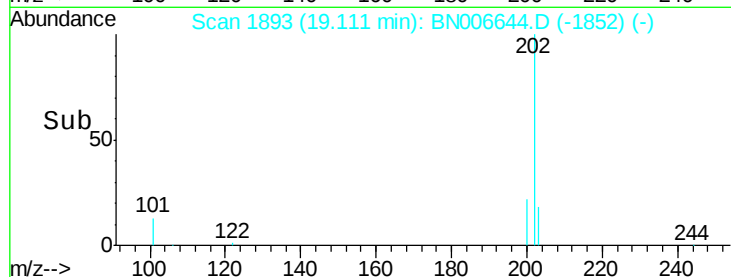
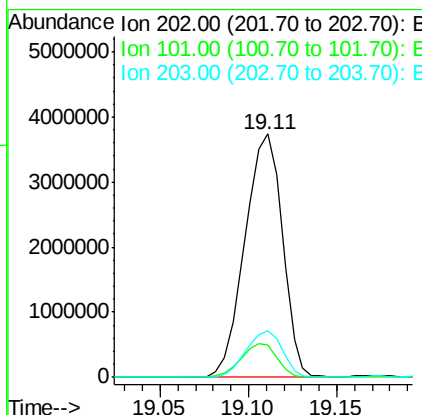
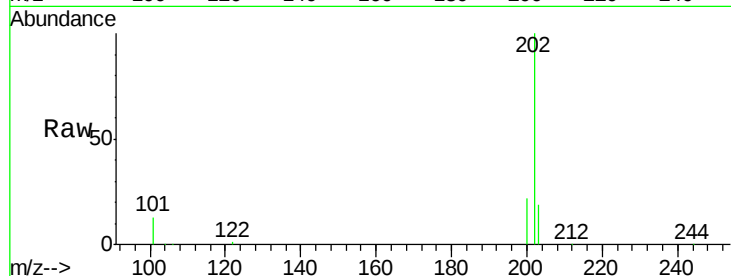
#26
Fluoranthene
Concen: 49.834 ng
RT: 19.11 min Scan# 1893
Delta R.T. 0.00 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion: 202 Resp: 5493778
Ion Ratio Lower Upper
202 100
101 13.3 8.9 13.3
203 18.6 13.6 20.4

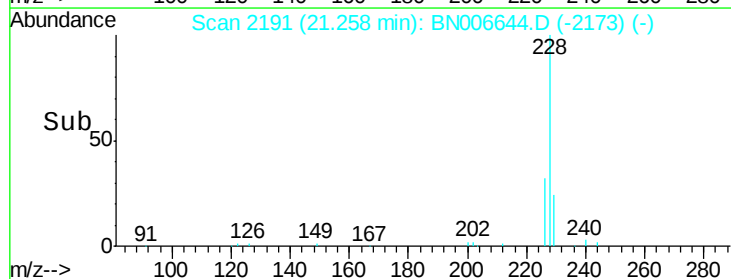
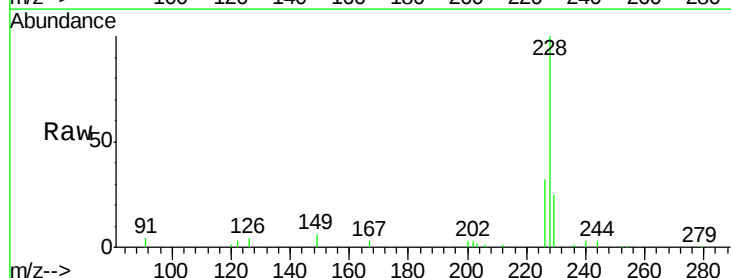
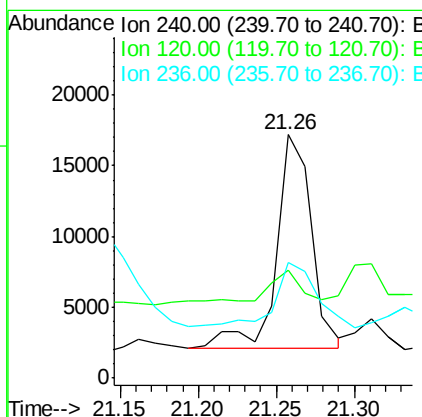
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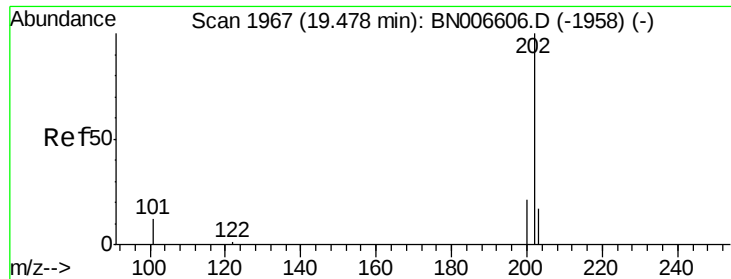
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion: 240 Resp: 23595
Ion Ratio Lower Upper
240 100
120 44.5 9.9 14.9#
236 47.6 22.2 33.4#





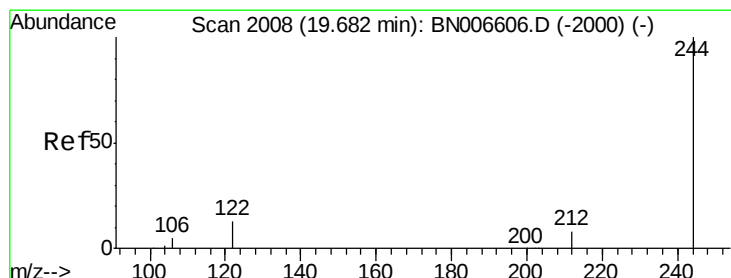
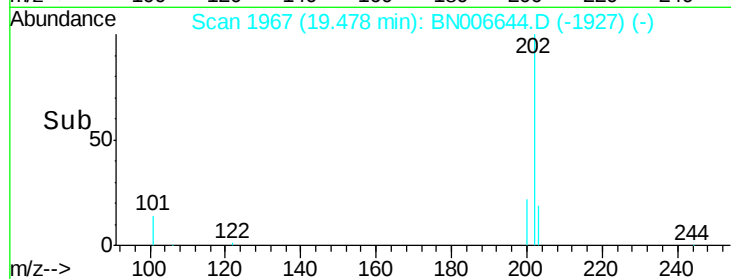
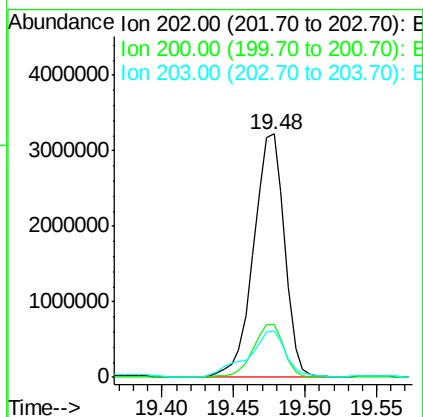
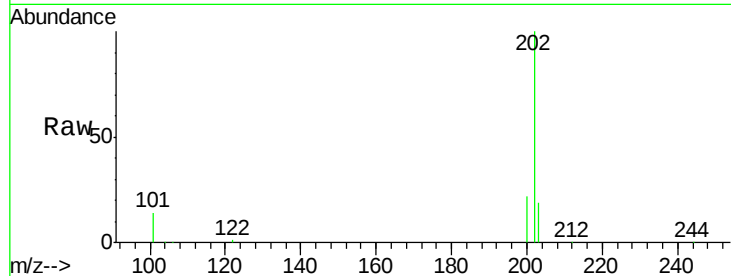
#28
Pyrene
Concen: 58.514 ng
RT: 19.48 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion:202 Resp: 4831039
Ion Ratio Lower Upper
202 100
200 21.7 16.7 25.1
203 23.0 14.1 21.1#

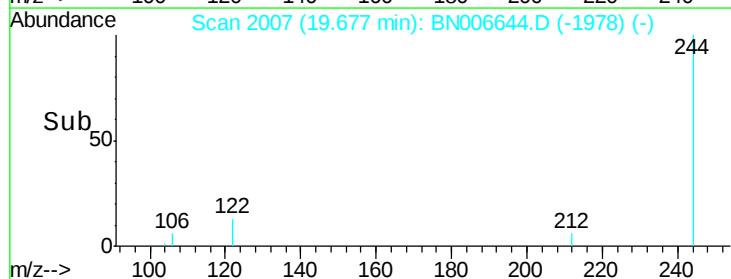
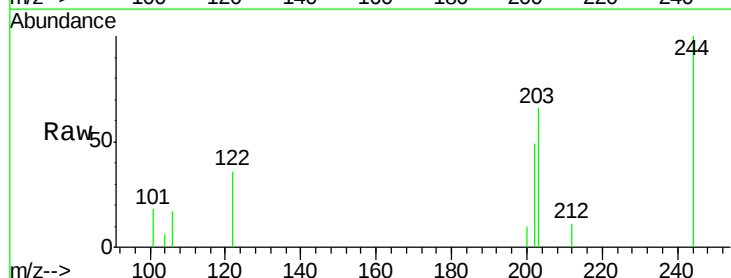
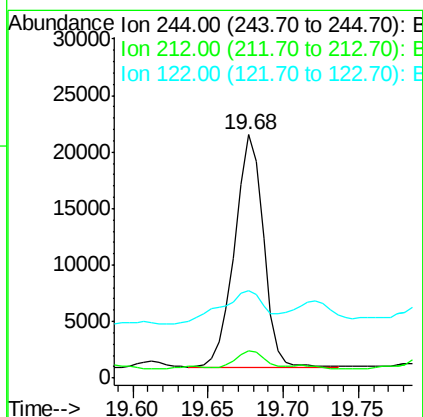
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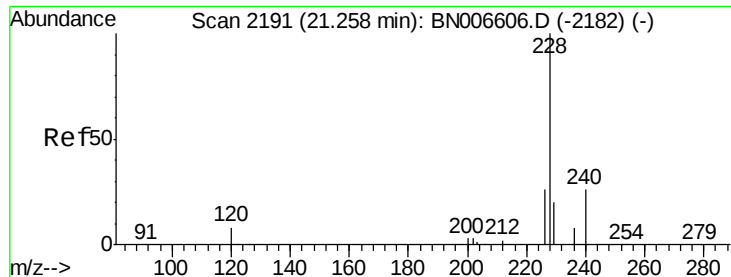
mohammad
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#29
Terphenyl-d14
Concen: 0.555 ng
RT: 19.68 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion:244 Resp: 27411
Ion Ratio Lower Upper
244 100
212 11.4 6.7 10.1#
122 36.1 11.0 16.6#





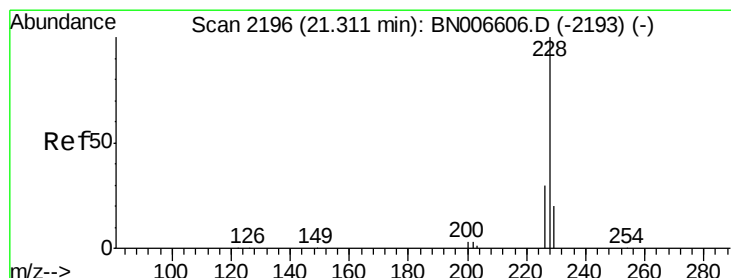
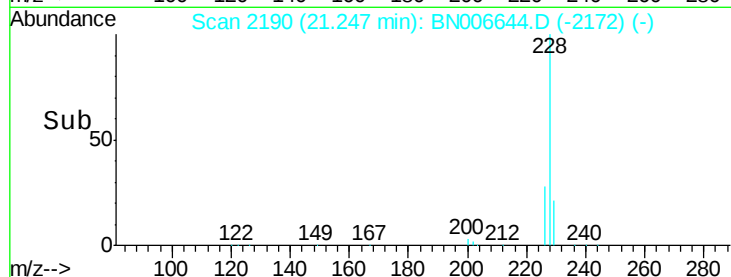
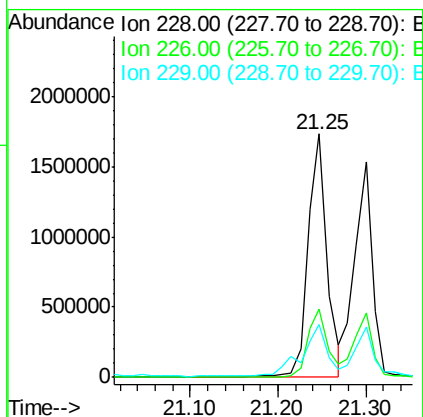
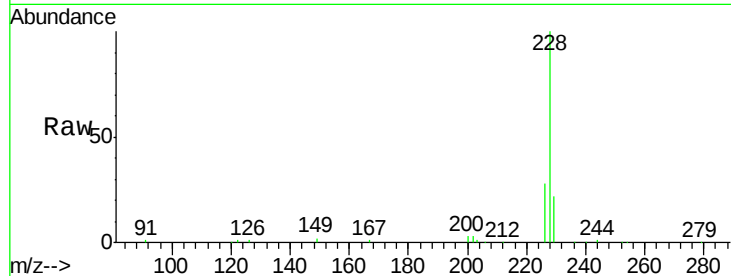
#30
Benzo(a)anthracene
Concen: 33.159 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion:228 Resp: 2557917
Ion Ratio Lower Upper
228 100
226 27.9 21.2 31.8
229 21.6 16.1 24.1

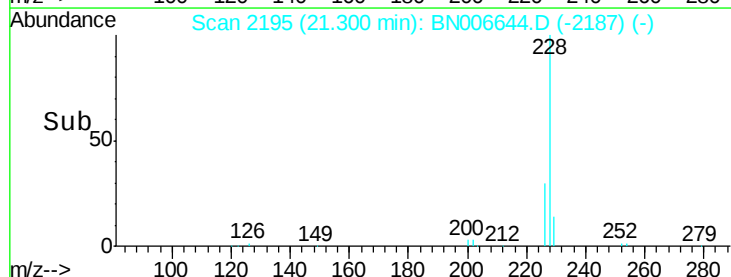
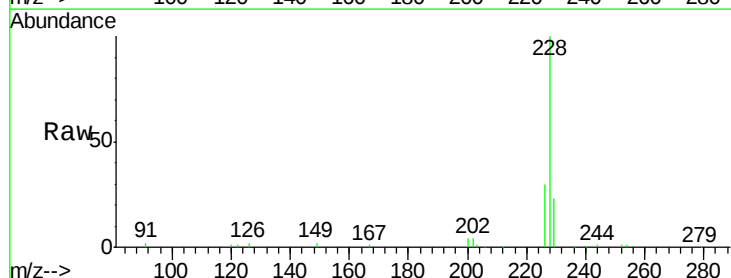
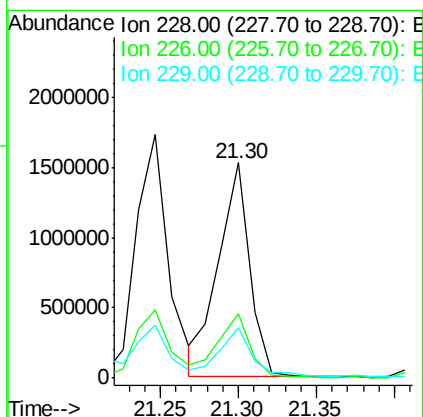
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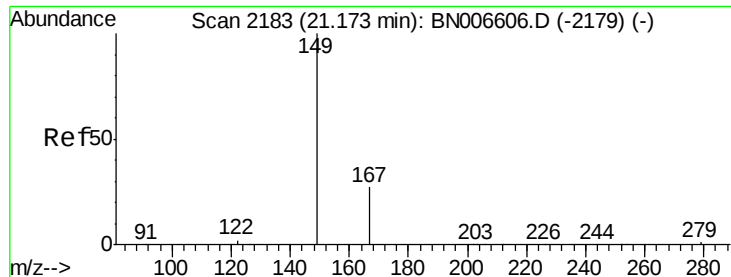
mohammad
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#31
Chrysene
Concen: 25.599 ng
RT: 21.30 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion:228 Resp: 2128823
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.6
229 23.4 15.9 23.9





#32

Bis(2-ethylhexyl)phthalate

Concen: 4.228 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

Instrument :

BNA_N

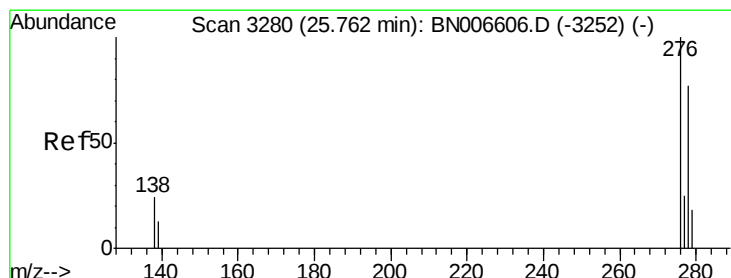
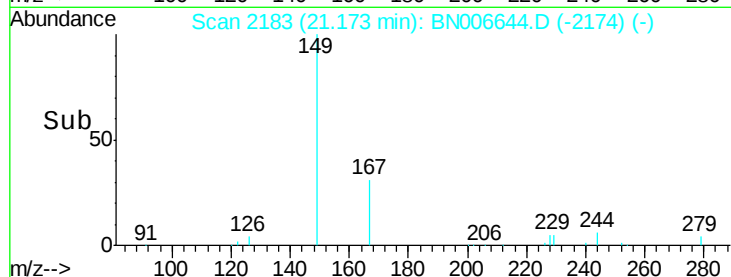
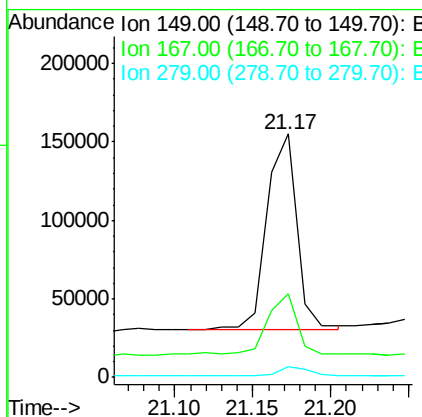
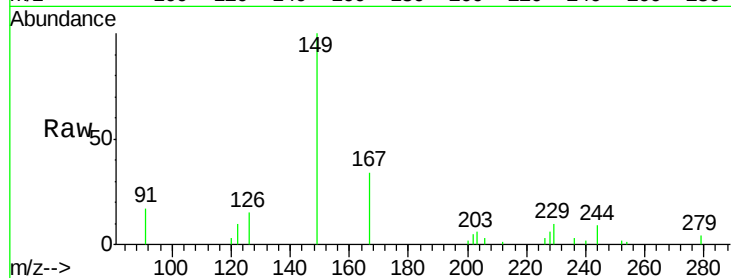
ClientSampleId :

PST-008-B253-061819

Tgt Ion:	149	Resp:	164143
Ion Ratio	Lower	Upper	
149	100		
167	34.0	22.9	34.3
279	4.4	3.3	4.9

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#33

Indeno(1,2,3-cd)pyrene

Concen: 12.578 ng

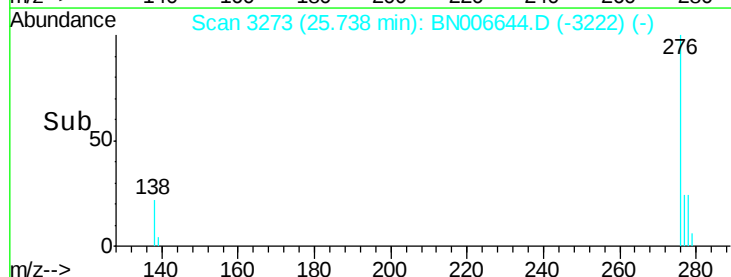
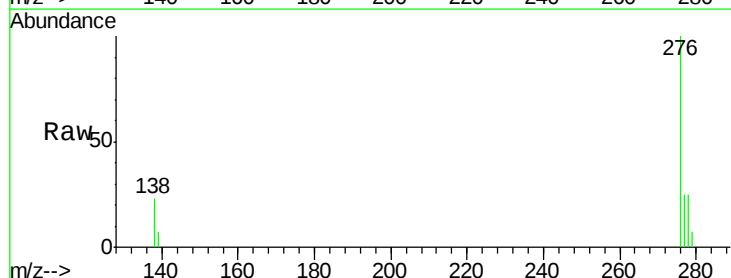
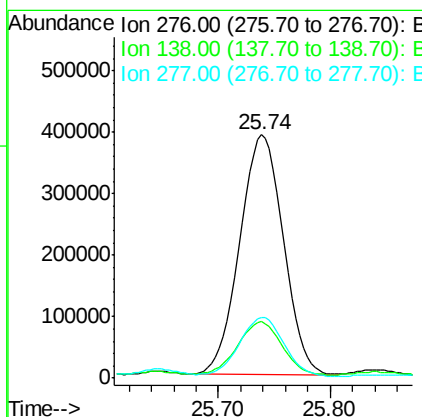
RT: 25.74 min Scan# 3273

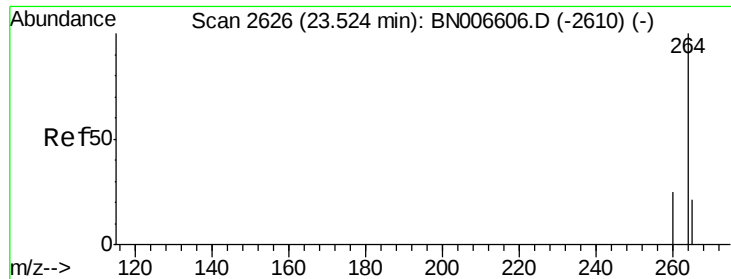
Delta R.T. -0.02 min

Lab File: BN006644.D

Acq: 29 Jun 2019 09:41

Tgt Ion:	276	Resp:	1058691
Ion Ratio	Lower	Upper	
276	100		
138	22.3	19.3	28.9
277	24.9	19.9	29.9





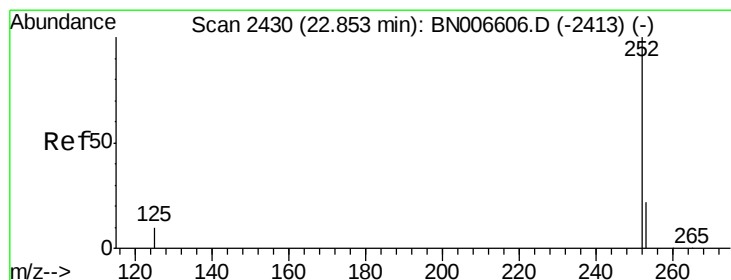
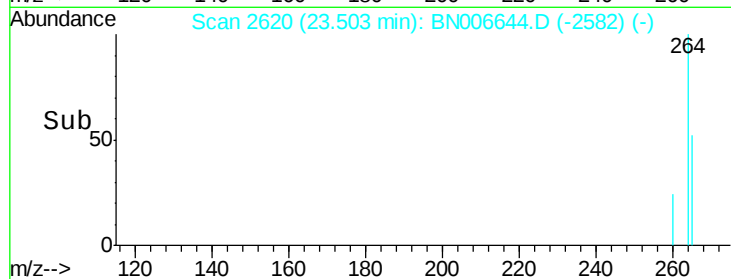
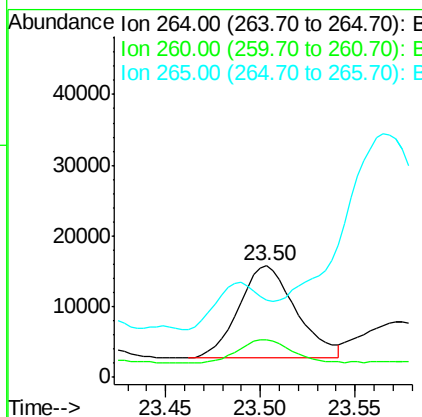
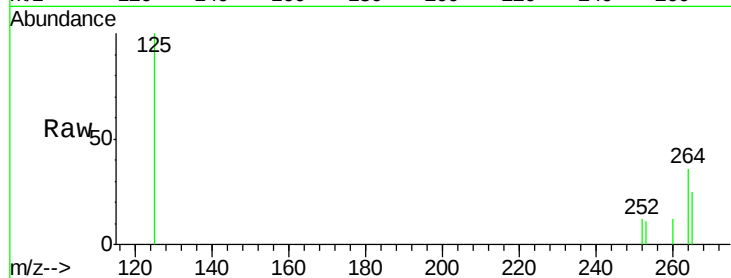
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2620
Delta R.T. -0.02 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion	Ratio	Lower	Upper
264	100		
260	34.2	20.2	30.2#
265	69.7	23.3	34.9#

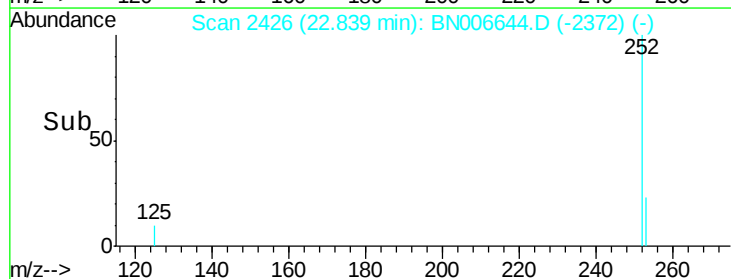
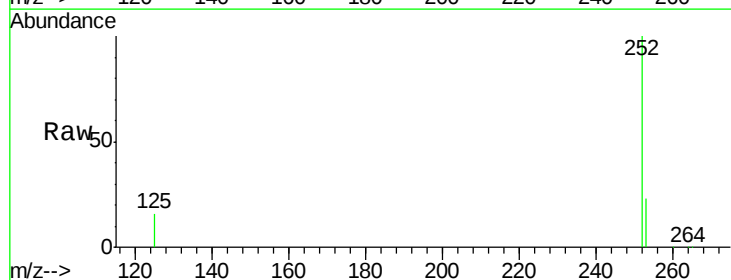
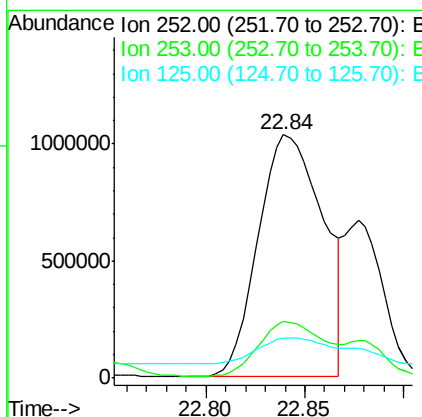
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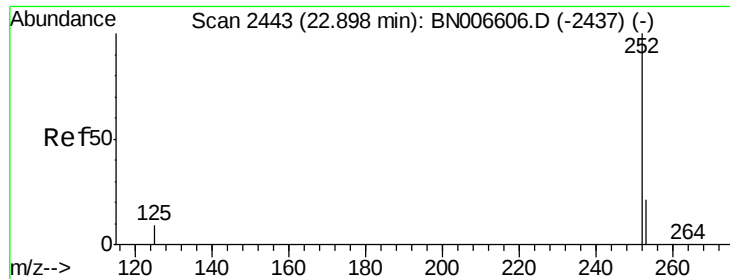
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#35
Benzo(b)fluoranthene
Concen: 24.972 ng
RT: 22.84 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	16.3	8.7	13.1#





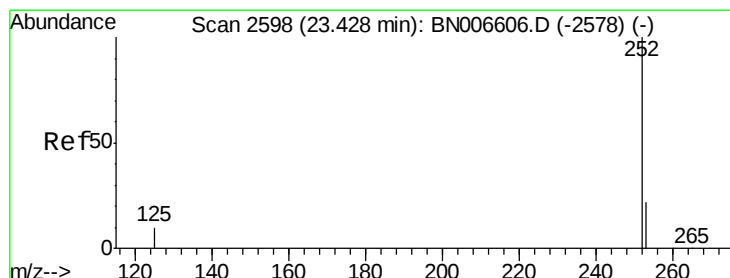
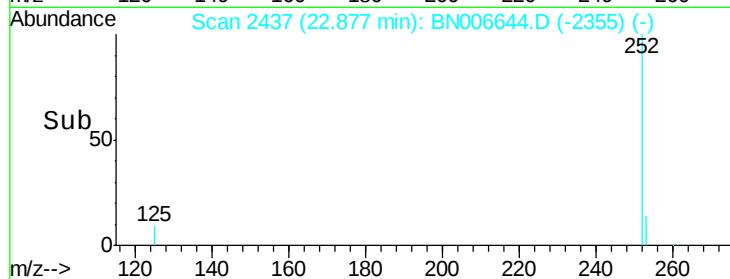
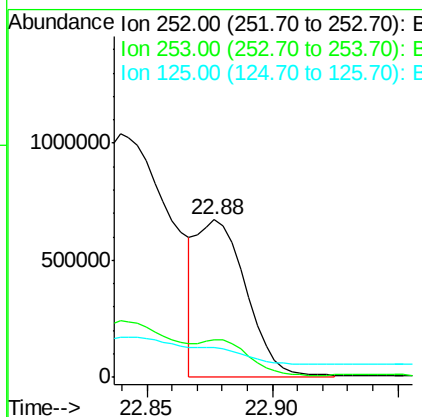
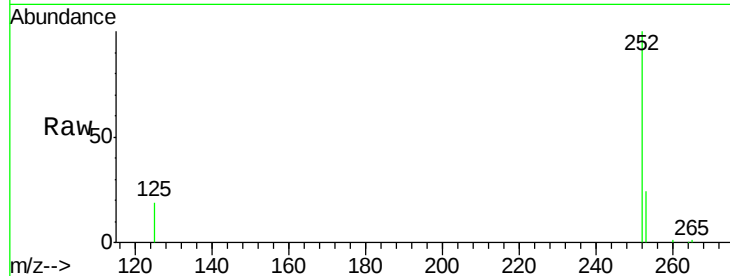
#36
Benzo(k)fluoranthene
Concen: 9.163 ng m
RT: 22.88 min Scan# 2437
Delta R.T. -0.02 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.3	27.5
125	19.2	8.4	12.6

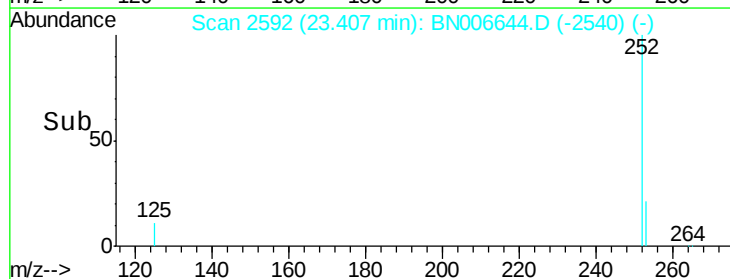
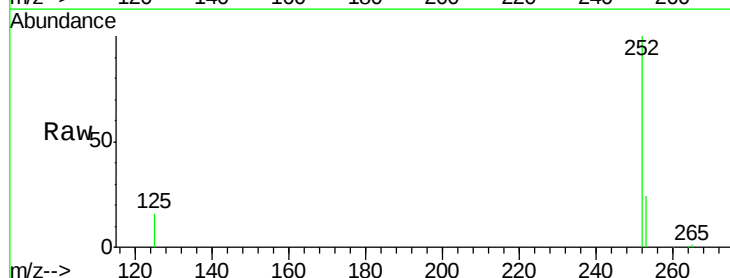
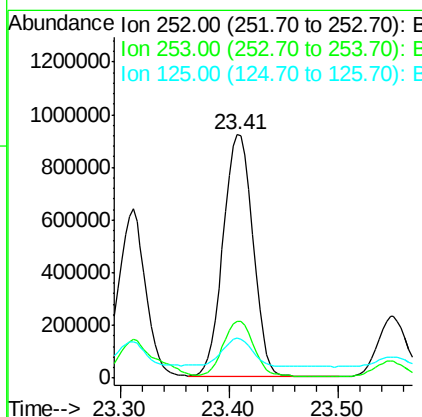
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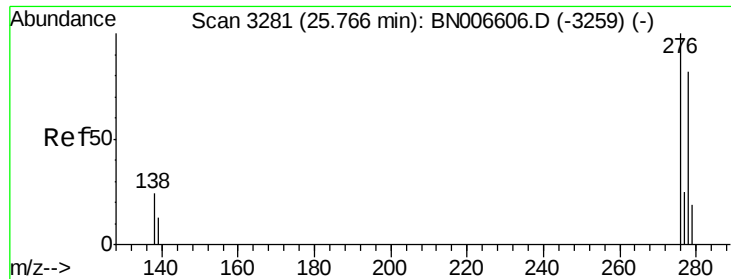
mohammad
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#37
Benzo(a)pyrene
Concen: 19.811 ng
RT: 23.41 min Scan# 2592
Delta R.T. -0.02 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.8	28.2
125	16.2	9.4	14.2





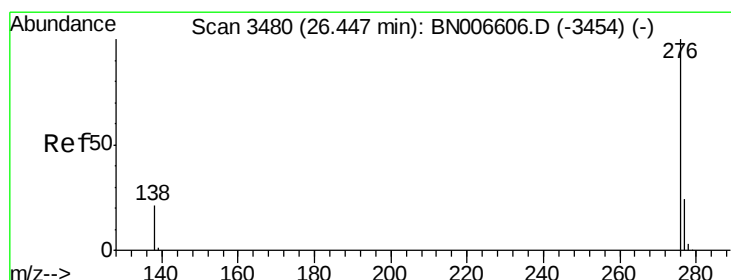
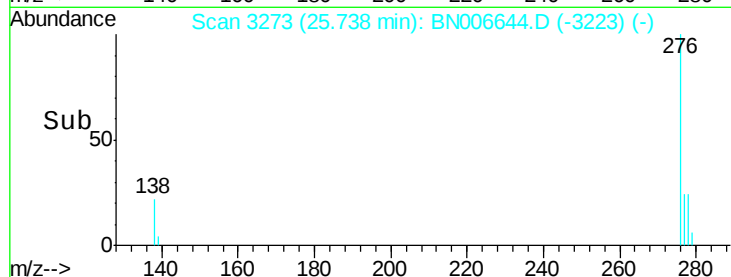
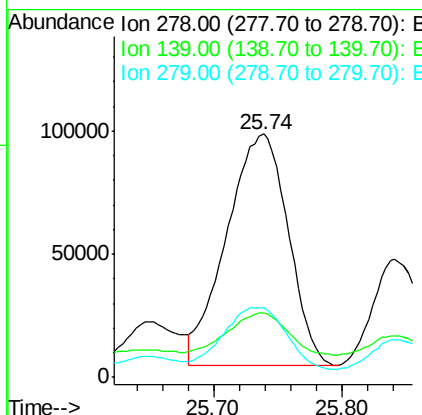
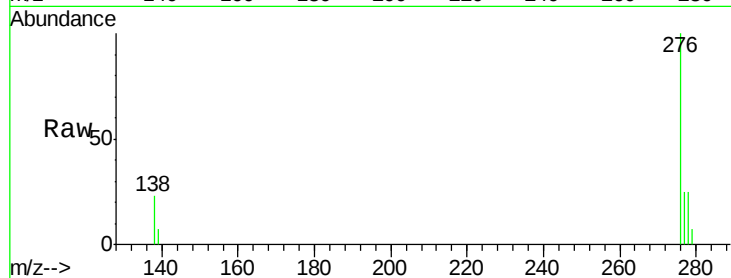
#38
Dibenzo(a,h)anthracene
Concen: 4.058 ng
RT: 25.74 min Scan# 3273
Delta R.T. -0.03 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Instrument :
BNA_N
ClientSampleId :
PST-008-B253-061819

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.2	13.5	20.3
279	28.3	19.4	29.2

Manual Integrations
APPROVED

mohammad
7/1/2019 3:08:58 PM



#39
Benzo(g,h,i)perylene
Concen: 12.427 ng
RT: 26.43 min Scan# 3475
Delta R.T. -0.02 min
Lab File: BN006644.D
Acq: 29 Jun 2019 09:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	23.0	17.7	26.5

