

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\
 Data File : BN006675.D
 Acq On : 02 Jul 2019 01:08
 Operator : HP/JU
 Sample : K3505-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-SW107-062019-1

Manual Integrations
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 7/2/2019 2:52:54 PM

Quant Time: Jul 02 06:01:22 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	4291	0.40	ng	0.00
7) Naphthalene-d8	10.39	136	17151	0.40	ng	-0.01
13) Acenaphthene-d10	14.27	164	9403	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	20012	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	18440	0.40	ng	-0.02
34) Perylene-d12	23.47	264	21337	0.40	ng	-0.05

System Monitoring Compounds

4) 2-Fluorophenol	5.24	112	2511	0.24	ng	0.00
5) Phenol-d6	6.82	99	3484	0.25	ng	0.00
8) Nitrobenzene-d5	8.79	82	2340	0.20	ng	0.00
11) 2-Methylnaphthalene-d10	11.99	152	5786	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	1296	0.29	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	7753	0.22	ng	-0.01
25) Fluoranthene-d10	19.07	212	11190	0.19	ng	-0.01
29) Terphenyl-d14	19.67	244	8785	0.23	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.44	128	4400	0.098	ng	# 92
12) 2-Methylnaphthalene	12.07	142	2539	0.082	ng	# 94
16) Acenaphthylene	13.99	152	47490	1.059	ng	100
17) Acenaphthene	14.33	154	5592	0.189	ng	98
18) Fluorene	15.32	166	11158	0.299	ng	# 87
23) Phenanthrene	17.07	178	221761	3.897	ng	100
24) Anthracene	17.16	178	73862	1.496	ng	99
26) Fluoranthene	19.10	202	586932	8.487	ng	99
28) Pyrene	19.46	202	539095	8.355	ng	# 96
30) Benzo(a)anthracene	21.23	228	318478	5.283	ng	97
31) Chrysene	21.28	228	305702	4.704	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	602785	19.865	ng	99
33) Indeno(1,2,3-cd)pyrene	25.71	276	181550	2.760	ng	97
35) Benzo(b)fluoranthene	22.81	252	386864	5.330	ng	100
36) Benzo(k)fluoranthene	22.85	252	130826m	1.691	ng	
37) Benzo(a)pyrene	23.38	252	272206	4.012	ng	100
38) Dibenzo(a,h)anthracene	25.70	278	51388	0.867	ng	# 86
39) Benzo(a,h,i)perylene	26.39	276	178642	3.019	ng	99

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



#1

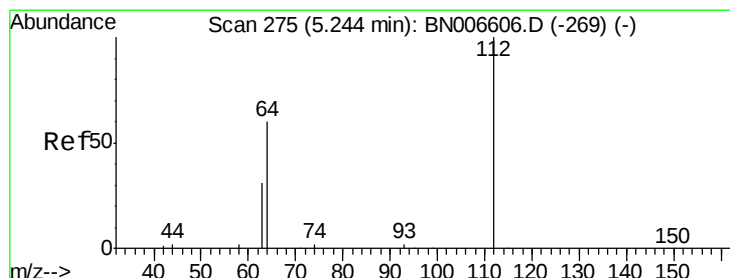
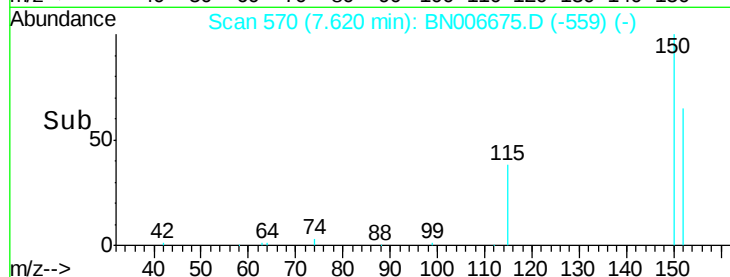
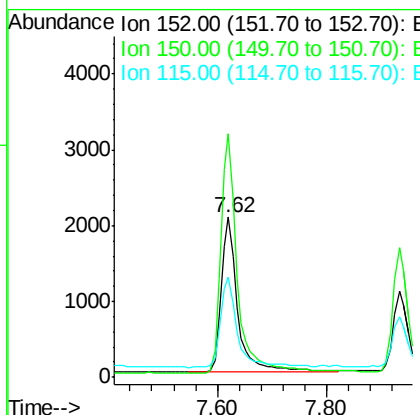
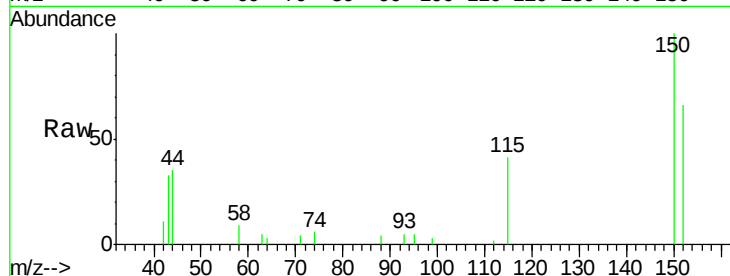
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	122.2	183.2
115	62.9	50.0	75.0

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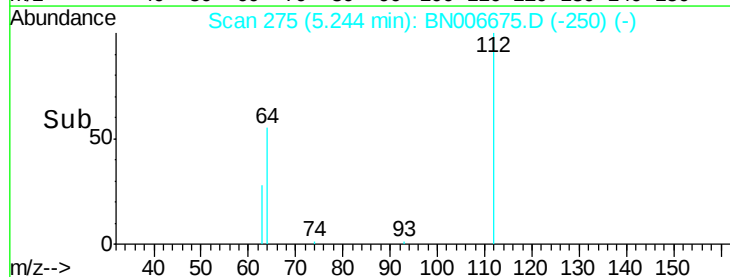
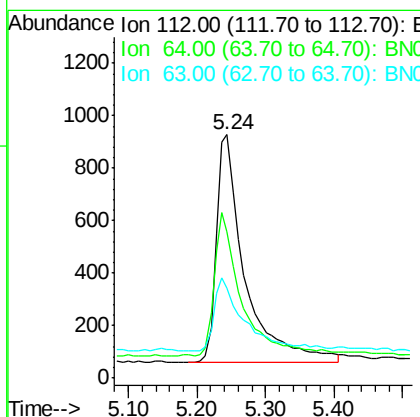
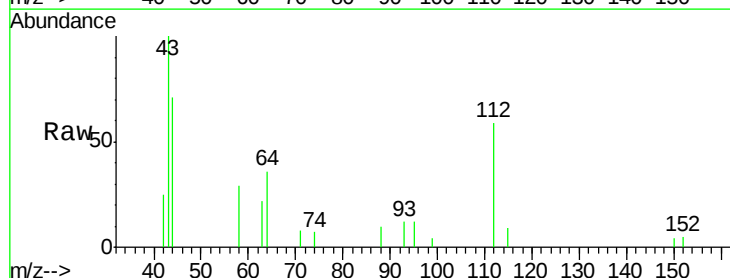
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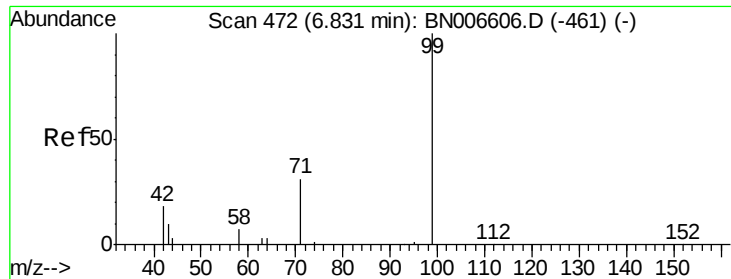


#4

2-Fluorophenol
Concen: 0.239 ng
RT: 5.24 min Scan# 275
Delta R.T. 0.00 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	48.9	73.3
63	33.2	24.3	36.5





#5

Phenol-d6

Concen: 0.250 ng

RT: 6.82 min Scan# 471

Delta R.T. -0.01 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Instrument :

BNA_N

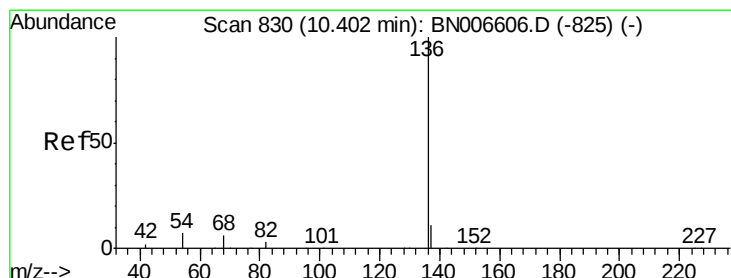
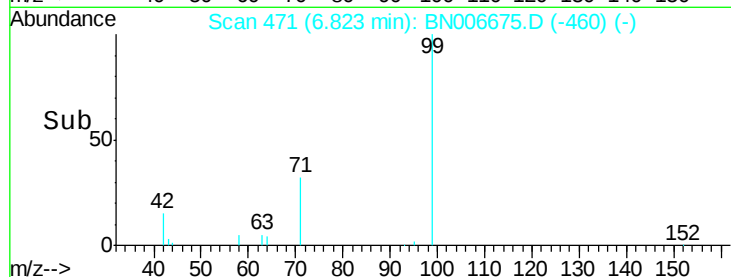
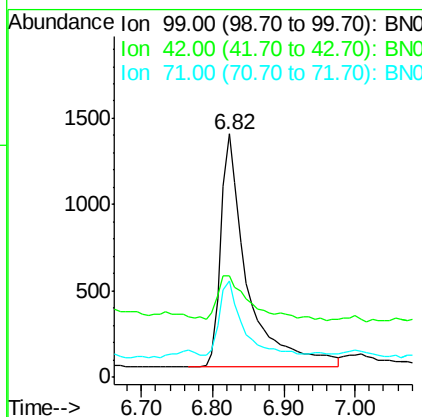
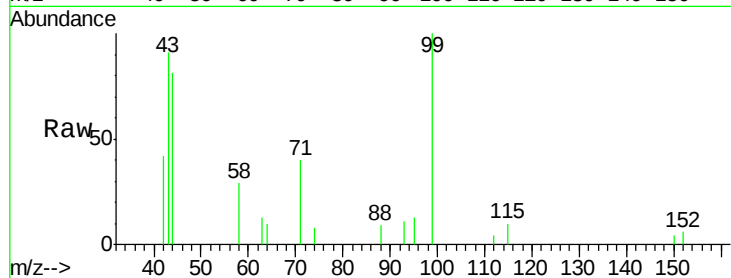
ClientSampleId :

PST-013-SW107-062019-1

Tot Ion:	99	Resp:	3484
Ion	Ratio	Lower	Upper
99	100		
42	22.6	16.4	24.6
71	27.8	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

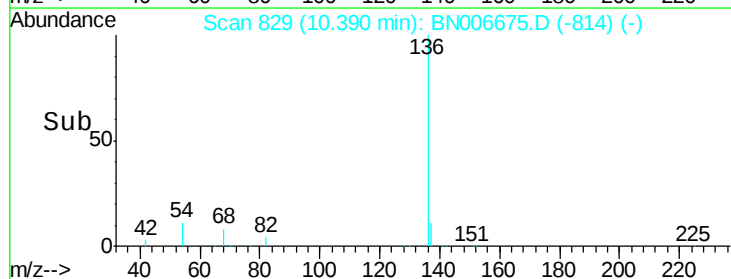
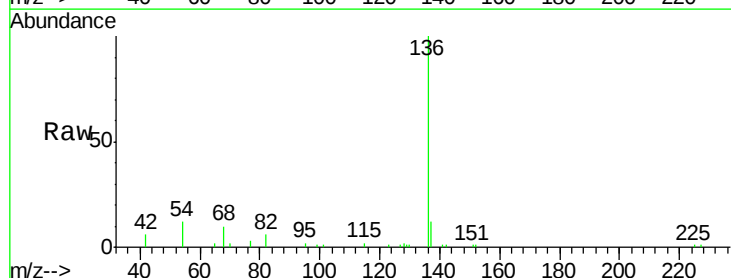
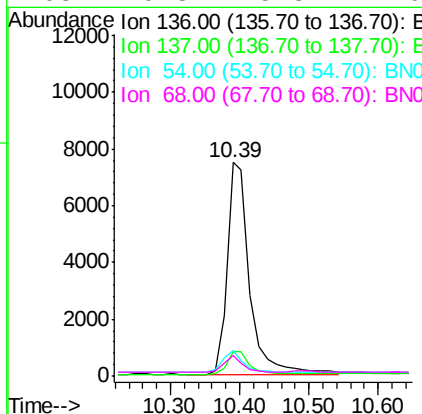
RT: 10.39 min Scan# 829

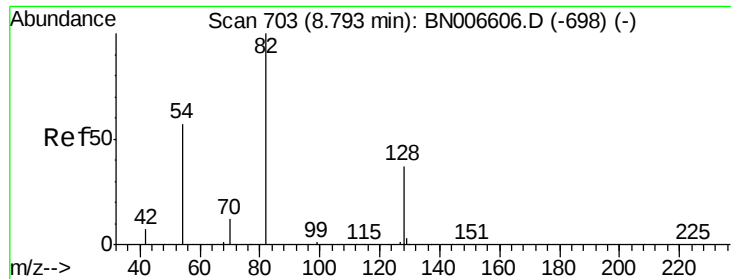
Delta R.T. -0.01 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Tgt Ion:	136	Resp:	17151
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	12.3	6.7	10.1#
68	9.8	5.3	7.9#





#8

Nitrobenzene-d5

Concen: 0.203 ng

RT: 8.79 min Scan# 703

Delta R.T. 0.00 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Instrument :

BNA_N

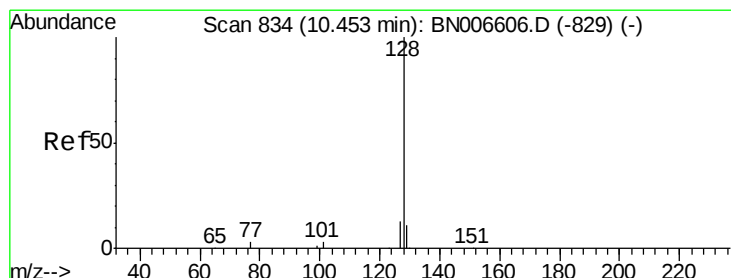
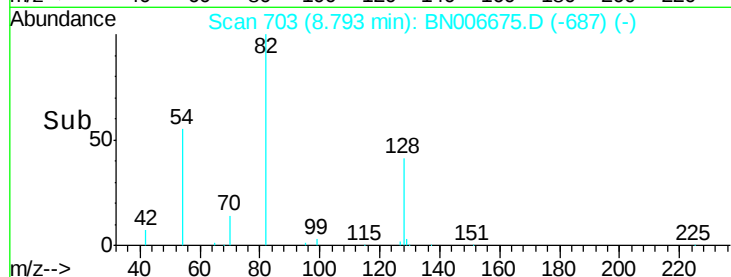
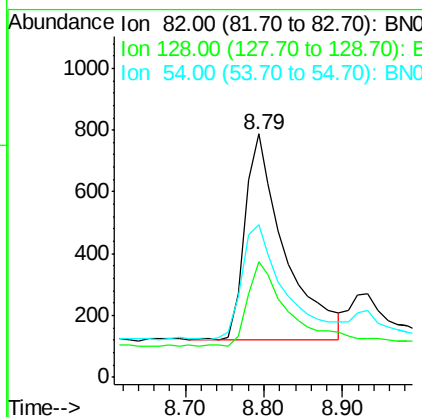
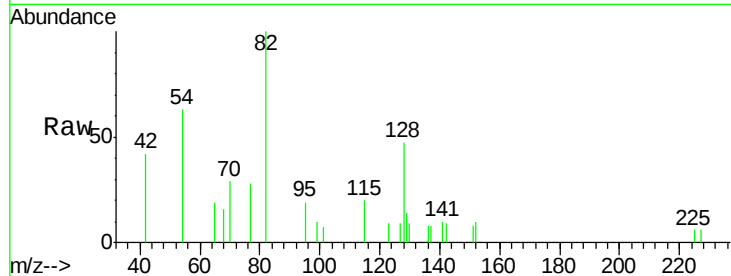
ClientSampleId :

PST-013-SW107-062019-1

Tot Ion:	82	Resp:	2340
Ion	Ratio	Lower	Upper
82	100		
128	47.3	32.6	49.0
54	62.6	48.2	72.4

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#9

Naphthalene

Concen: 0.098 ng

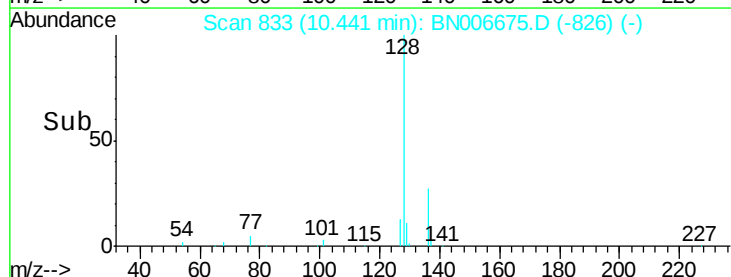
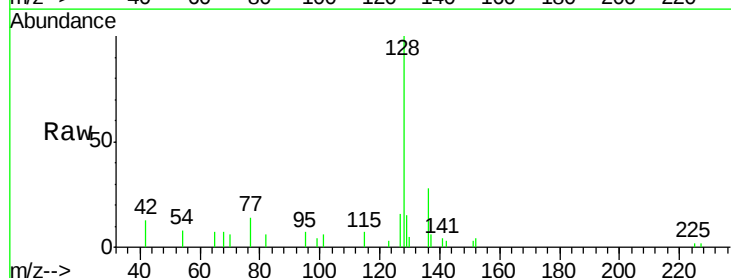
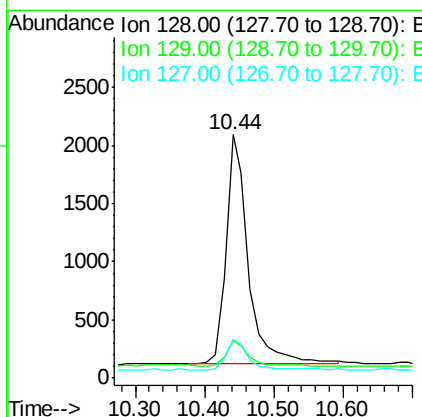
RT: 10.44 min Scan# 833

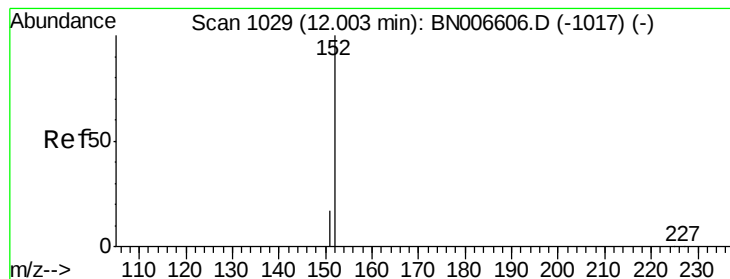
Delta R.T. -0.01 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Tgt Ion:	128	Resp:	4400
Ion	Ratio	Lower	Upper
128	100		
129	15.4	9.3	13.9#
127	15.8	10.8	16.2





#11

2-Methylnaphthalene-d10

Concen: 0.214 ng

RT: 11.99 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Instrument :

BNA_N

ClientSampleId :

PST-013-SW107-062019-1

Tot Ion:152 Resp: 5786

Ion Ratio Lower Upper

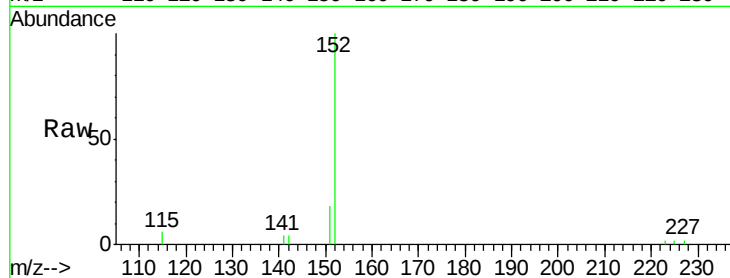
152 100

151 19.0 15.0 22.4

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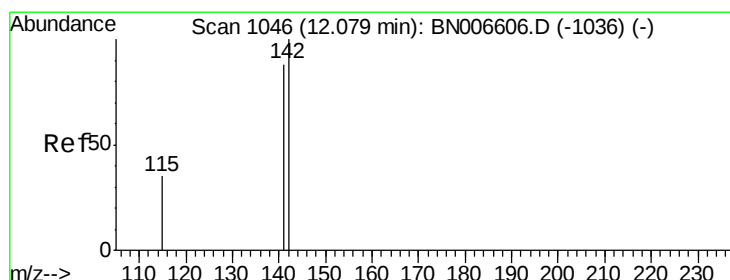
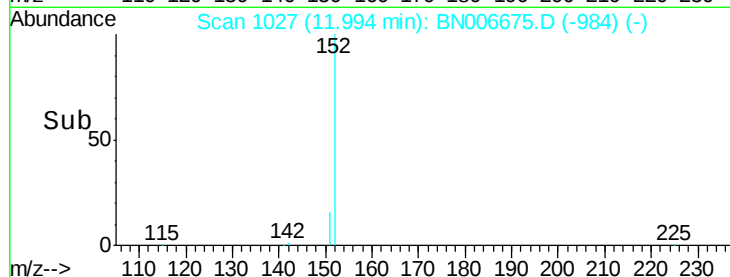
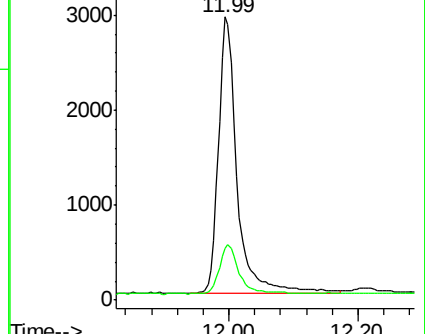
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.082 ng

RT: 12.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

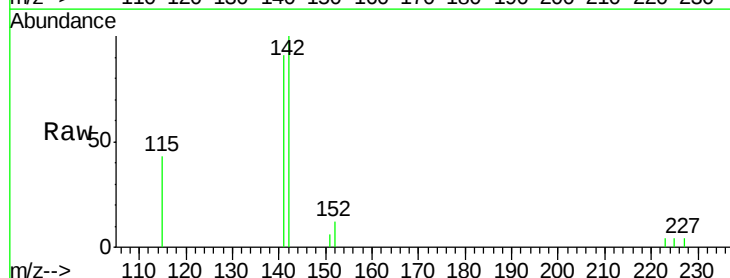
Tgt Ion:142 Resp: 2539

Ion Ratio Lower Upper

142 100

141 90.9 70.2 105.4

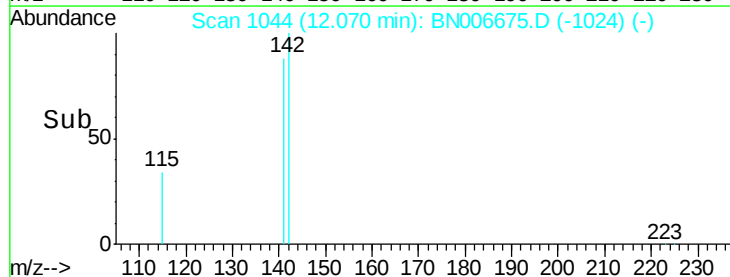
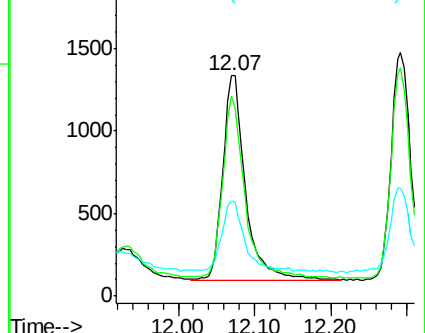
115 42.9 28.5 42.7#



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





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Instrument :

BNA_N

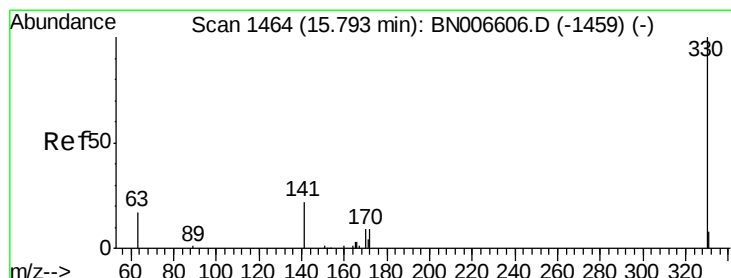
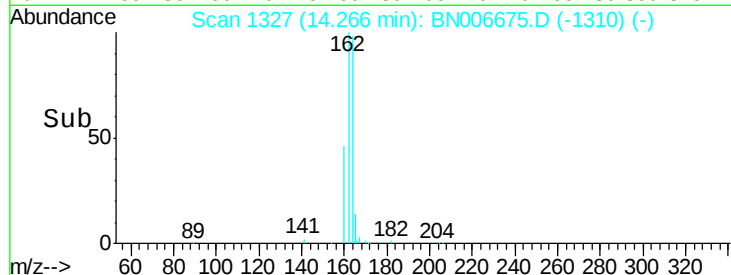
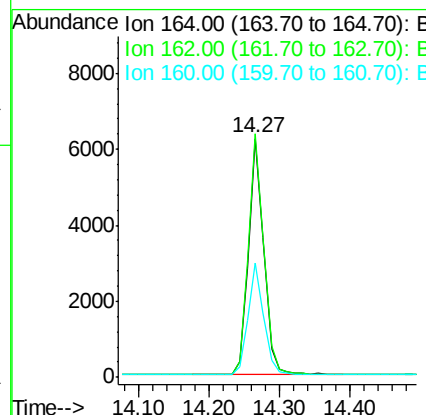
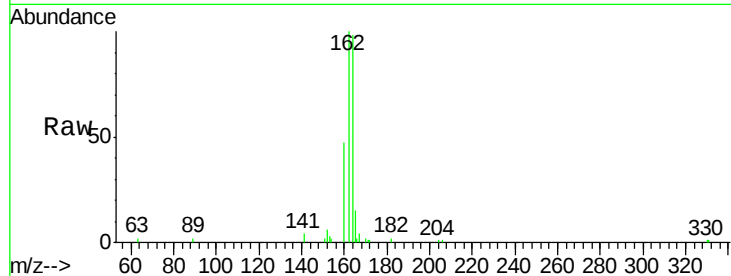
ClientSampleId :

PST-013-SW107-062019-1

Tot Ion:	164	Resp:	9403
Ion Ratio	Lower	Upper	
164	100		
162	102.0	80.0	120.0
160	47.6	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.293 ng

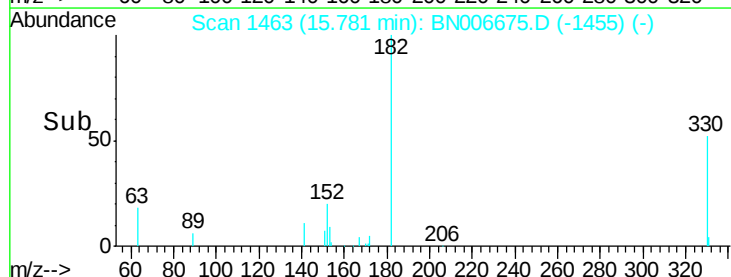
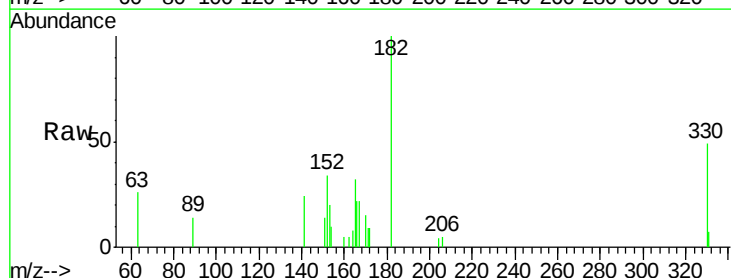
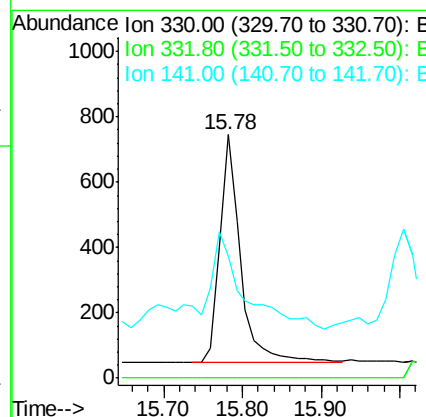
RT: 15.78 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Tgt Ion:	330	Resp:	1296
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	62.3	26.5	39.7#





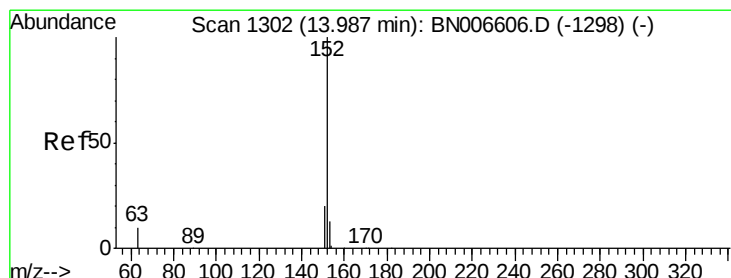
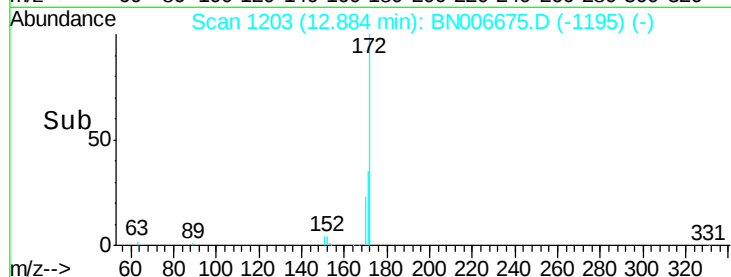
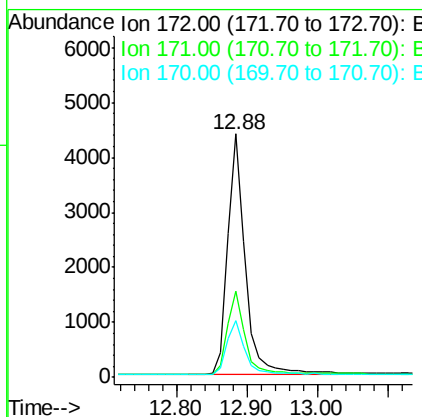
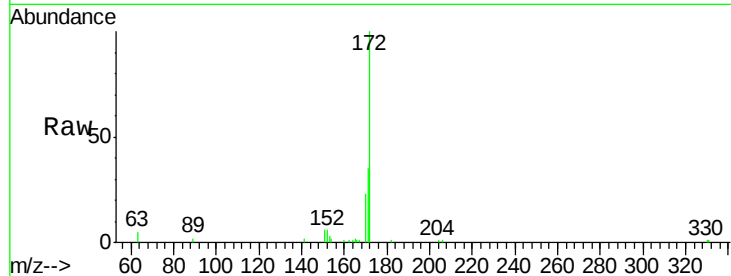
#15
2-Fluorobiphenyl
Concen: 0.223 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.0	40.4
170	23.5	17.7	26.5

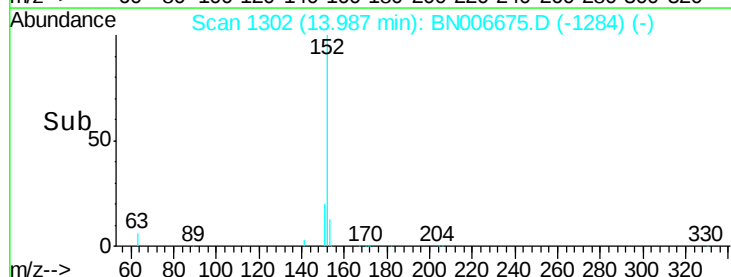
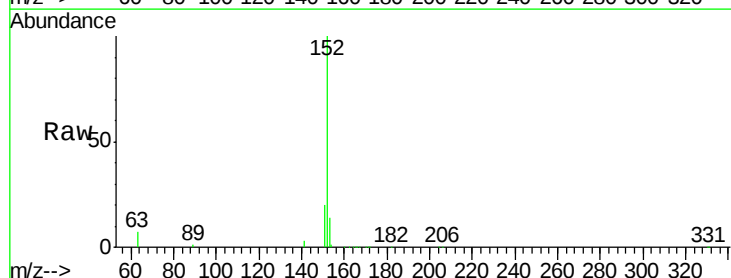
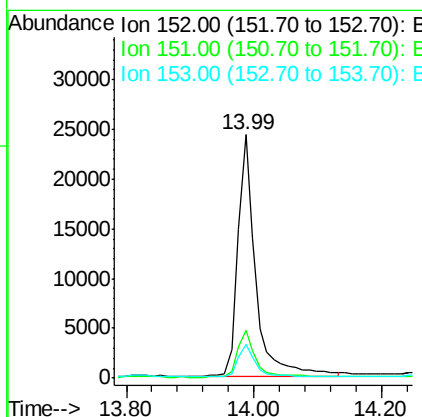
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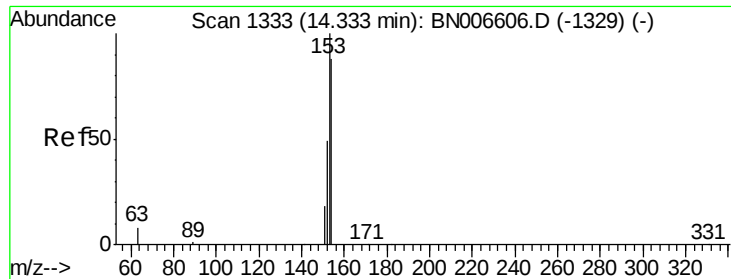
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#16
Acenaphthylene
Concen: 1.059 ng
RT: 13.99 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.2	10.5	15.7





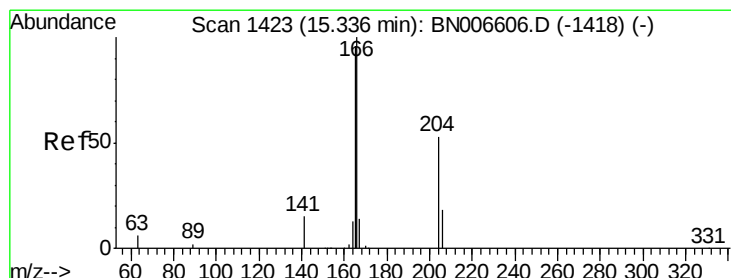
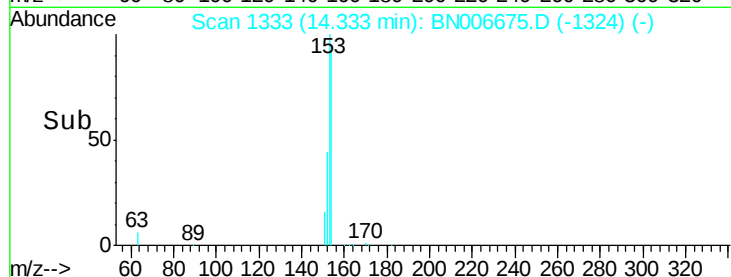
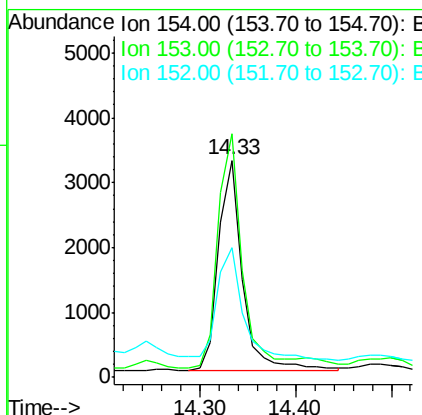
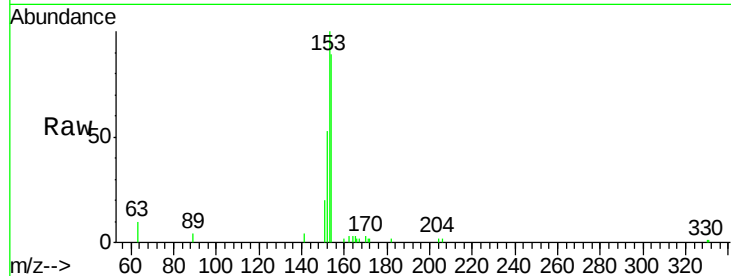
#17
Acenaphthene
Concen: 0.189 ng
RT: 14.33 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.2	135.4
152	59.2	44.2	66.4

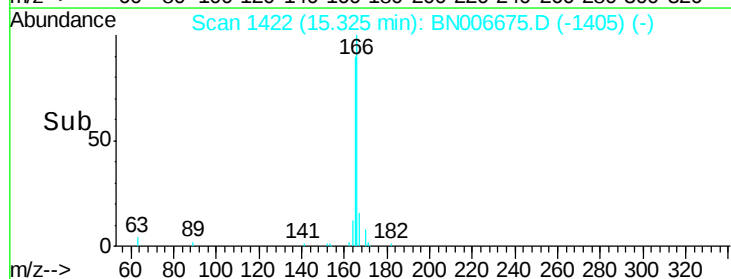
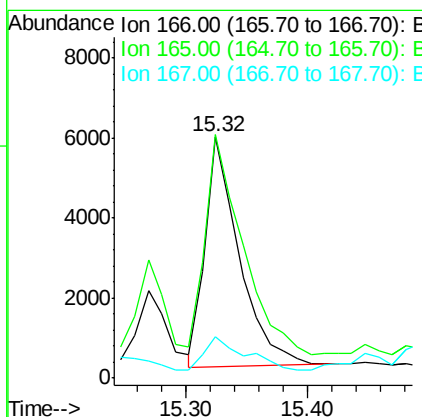
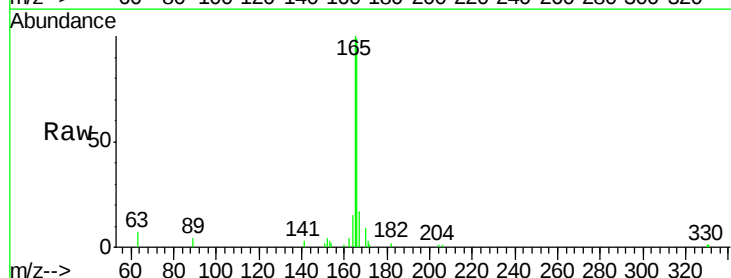
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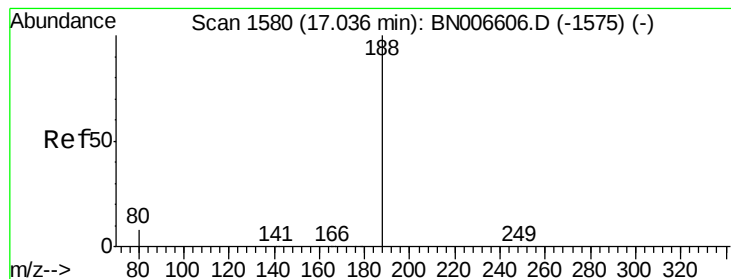
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#18
Fluorene
Concen: 0.299 ng
RT: 15.32 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.5	78.4	117.6
167	17.6	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: BN006675.D

Acq: 02 Jul 2019 01:08

Instrument :

BNA_N

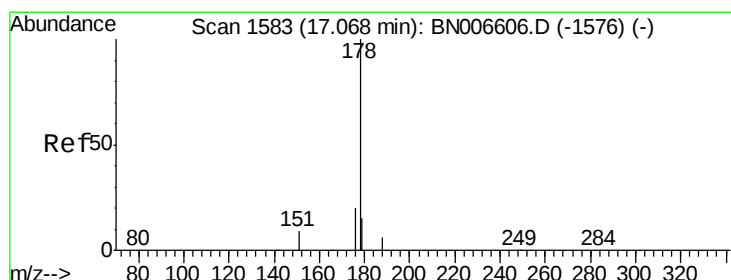
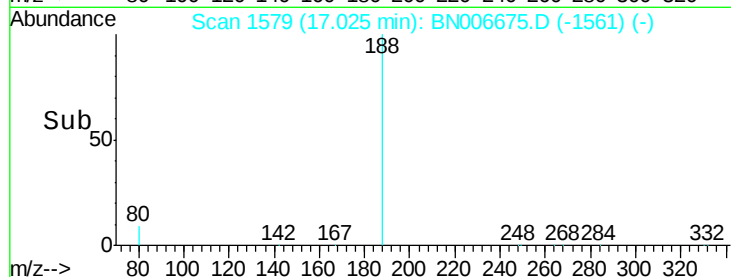
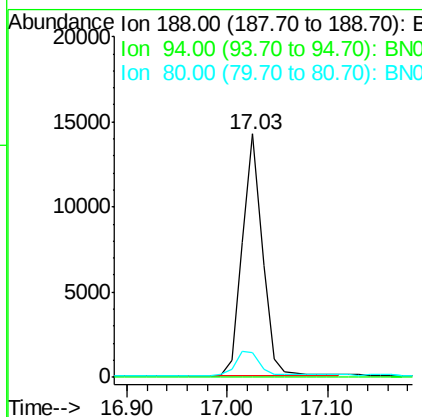
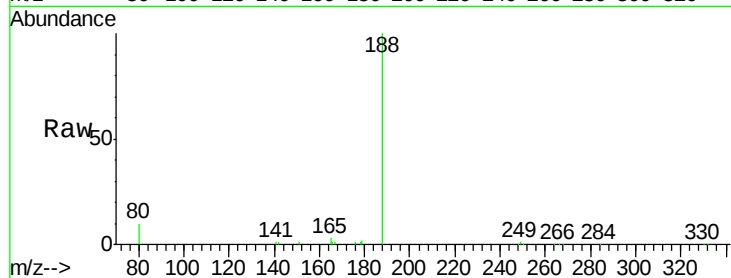
ClientSampleId :

PST-013-SW107-062019-1

Tot Ion:	188	Resp:	20012
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.3	7.1	10.7

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#23

Phenanthrene

Concen: 3.897 ng

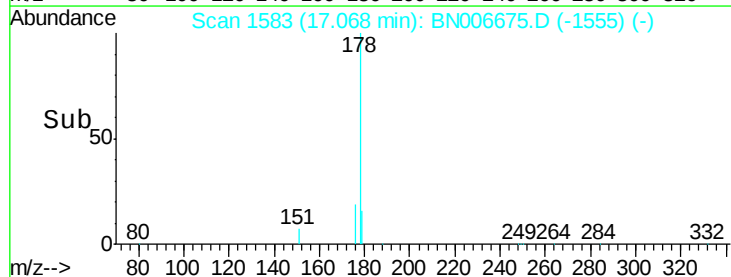
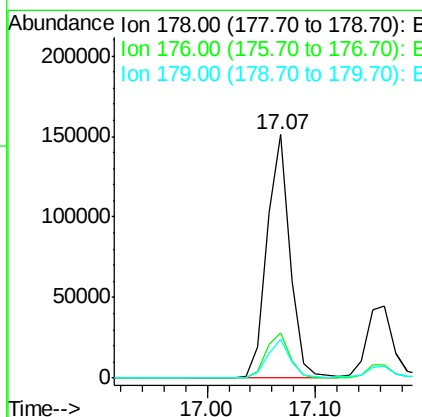
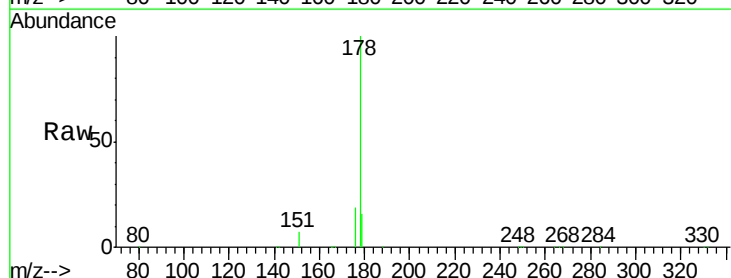
RT: 17.07 min Scan# 1583

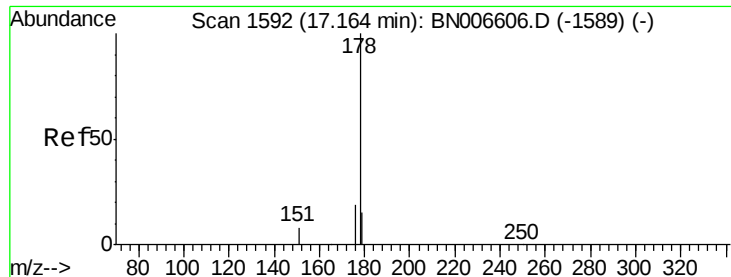
Delta R.T. 0.00 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Tgt Ion:	178	Resp:	221761
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	15.6	12.2	18.4





#24

Anthracene

Concen: 1.496 ng

RT: 17.16 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Instrument :

BNA_N

ClientSampleId :

PST-013-SW107-062019-1

Tot Ion:178 Resp: 73862

Ion Ratio Lower Upper

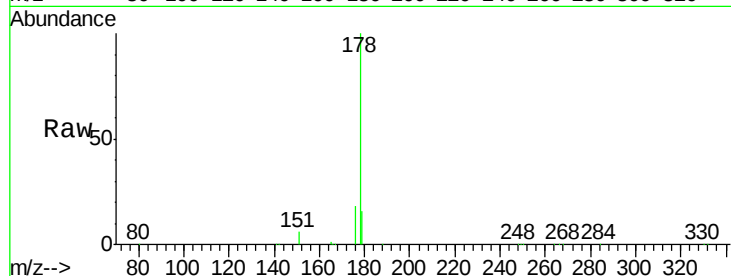
178 100

176 18.3 15.0 22.4

179 15.0 12.2 18.2

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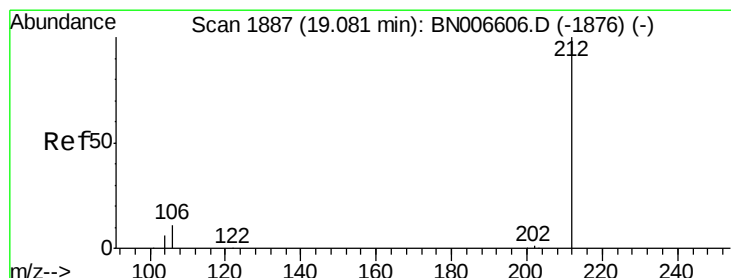
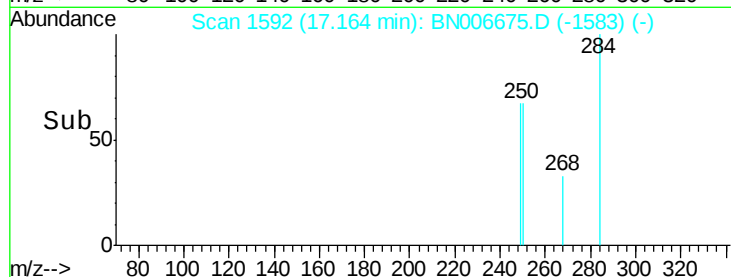
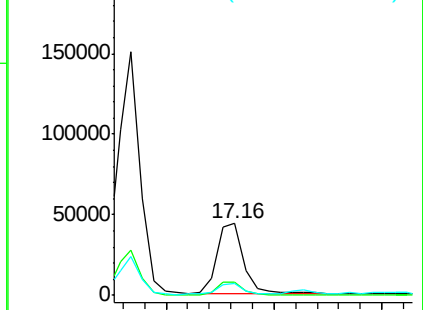
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.190 ng

RT: 19.07 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

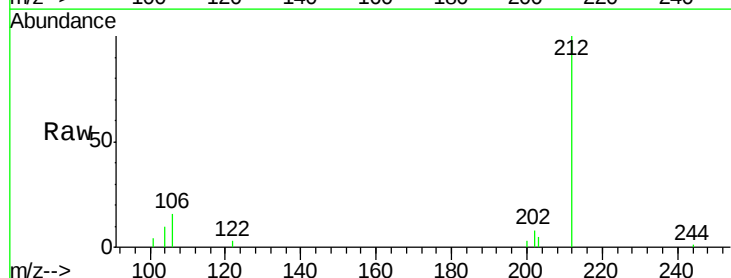
Tgt Ion:212 Resp: 11190

Ion Ratio Lower Upper

212 100

106 14.6 10.6 15.8

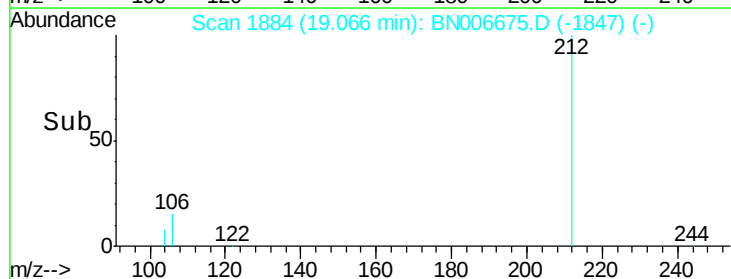
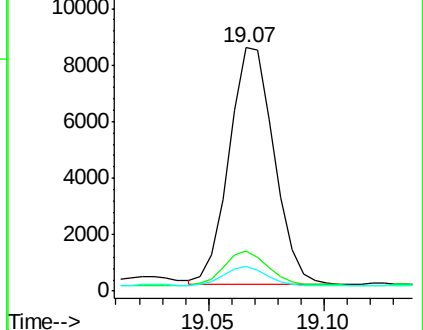
104 8.3 5.8 8.6

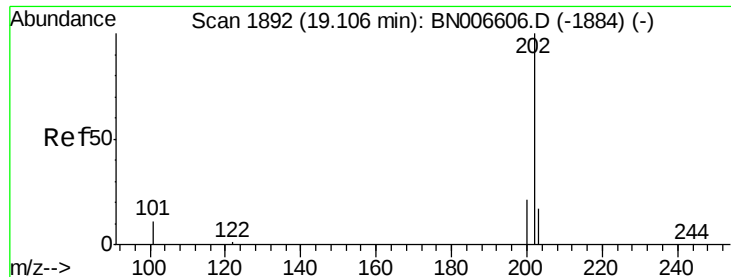


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





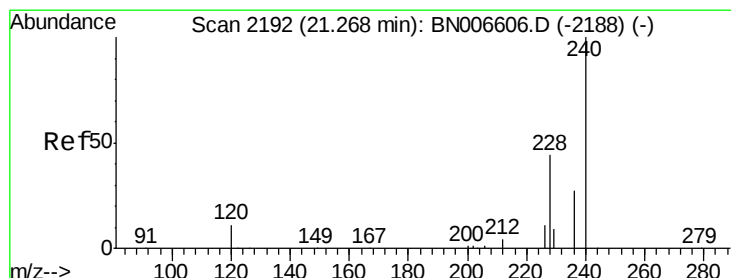
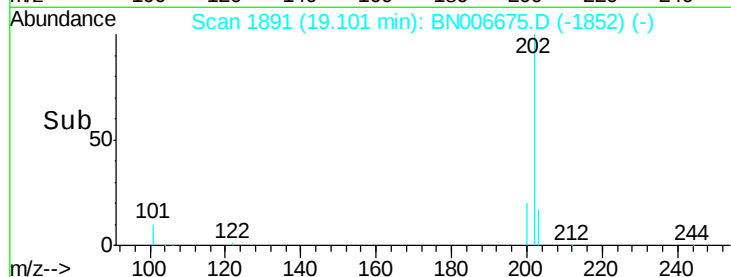
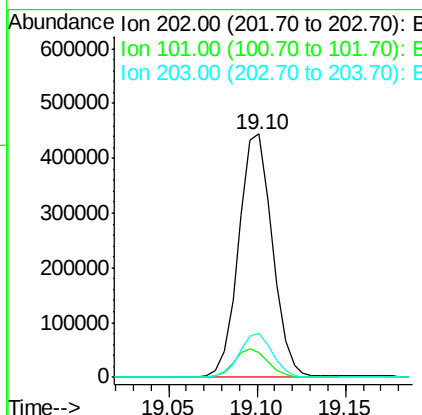
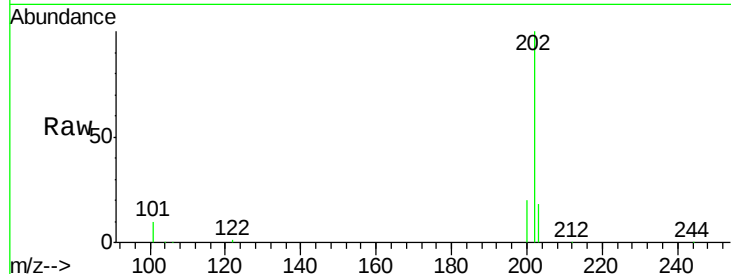
#26
Fluoranthene
Concen: 8.487 ng
RT: 19.10 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	586932		
101	11.6		8.9	13.3
203	17.7		13.6	20.4

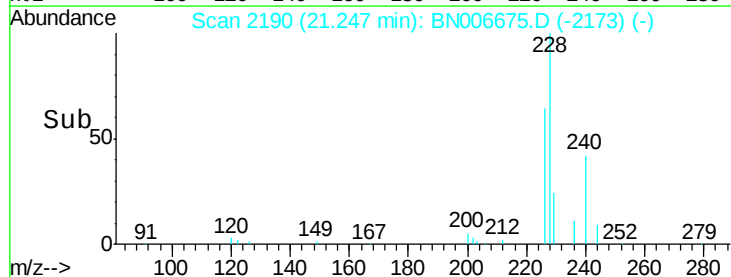
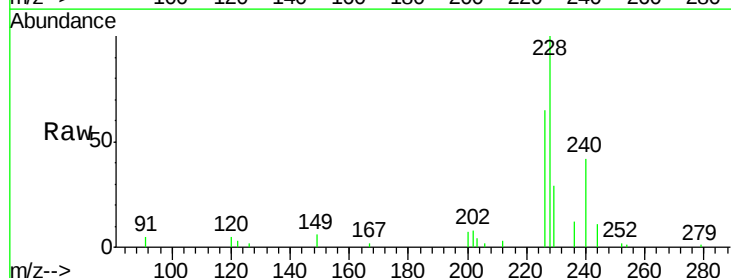
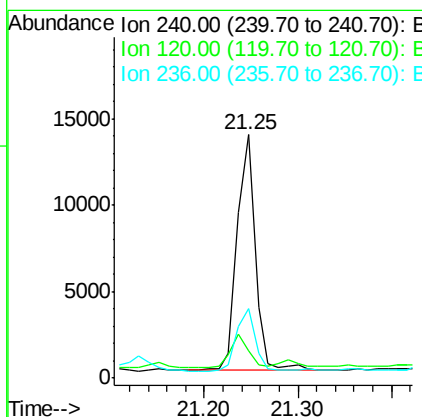
Manual Integrations
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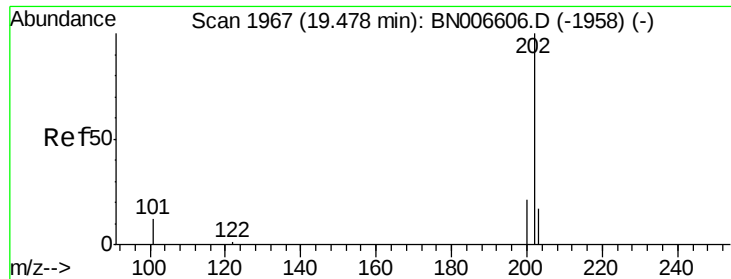
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	18440		
120	11.1		9.9	14.9
236	28.7		22.2	33.4





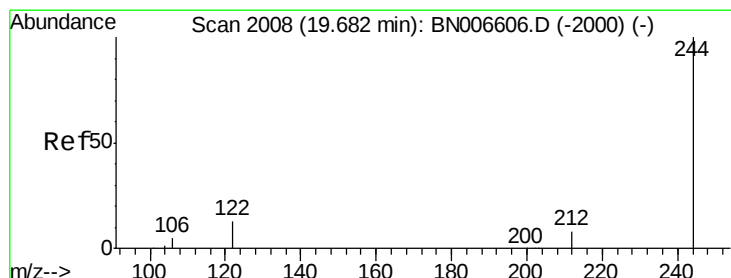
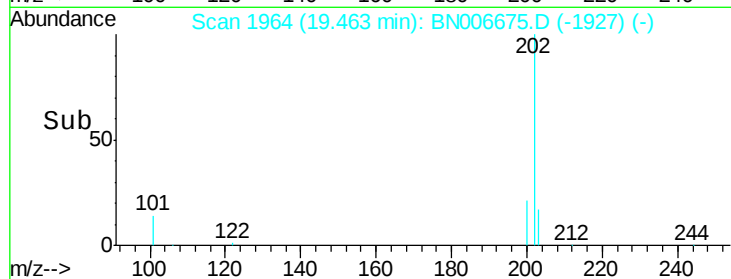
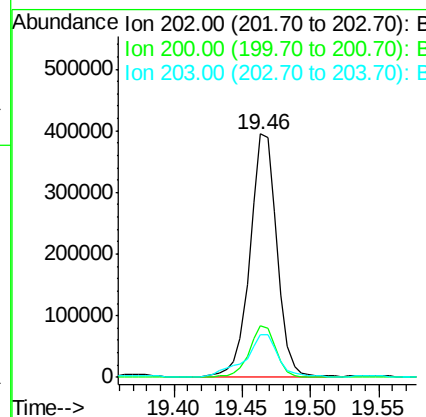
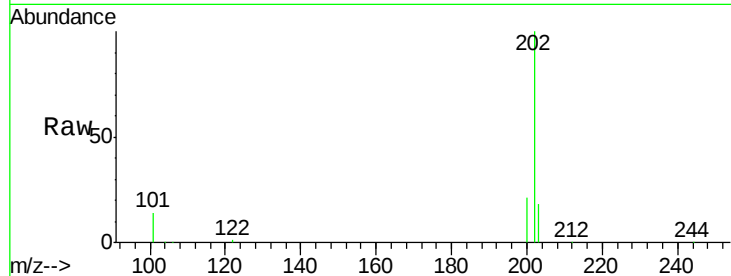
#28
Pvrene
Concen: 8.355 ng
RT: 19.46 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	16.7	25.1
203	21.4	14.1	21.1

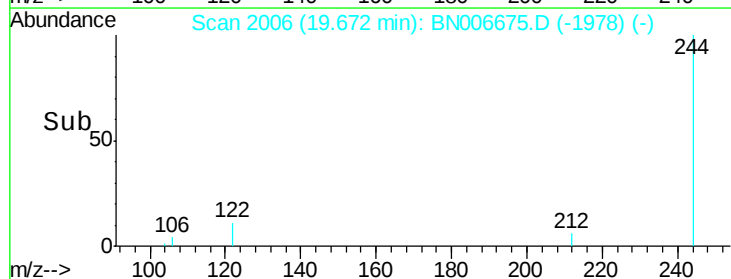
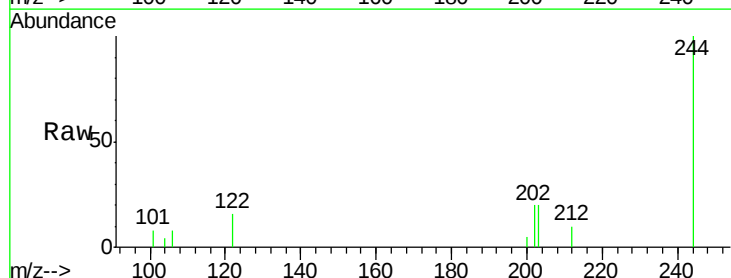
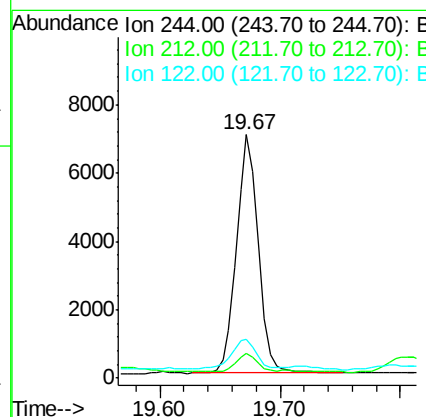
Manual Integrations
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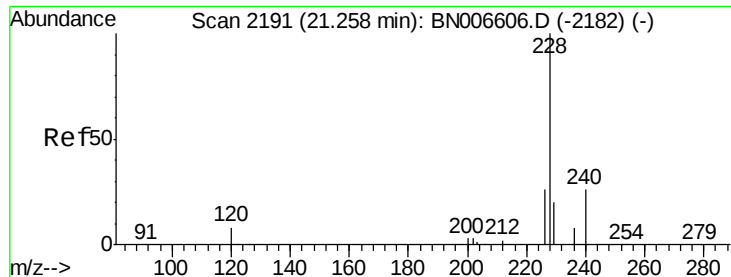
mohammad
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#29
Terphenyl-d14
Concen: 0.227 ng
RT: 19.67 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.0	6.7	10.1
122	16.0	11.0	16.6





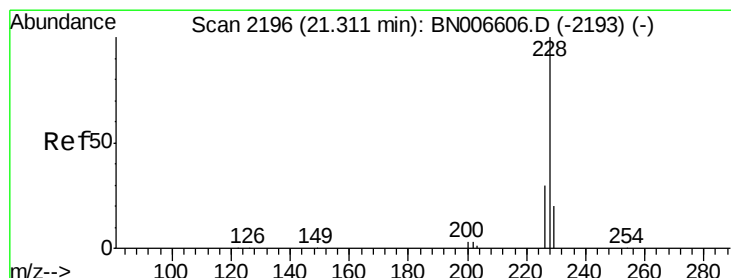
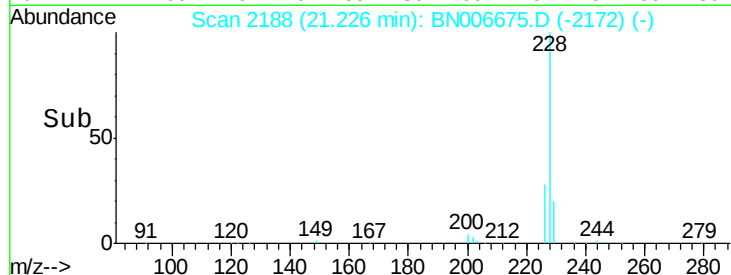
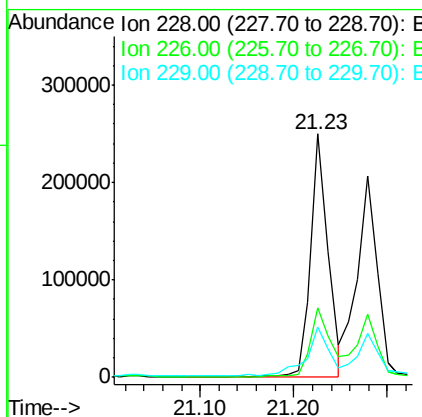
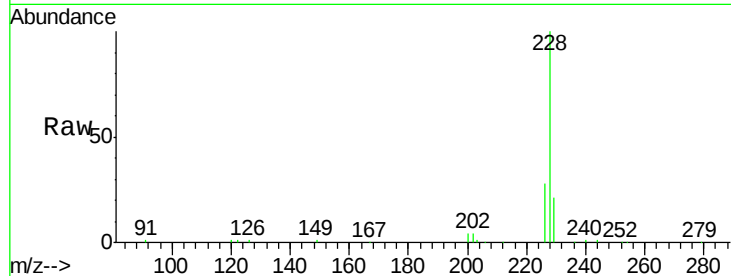
#30
Benzo(a)anthracene
Concen: 5.283 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019-1

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	28.4	21.2	31.8	
229	20.6	16.1	24.1	

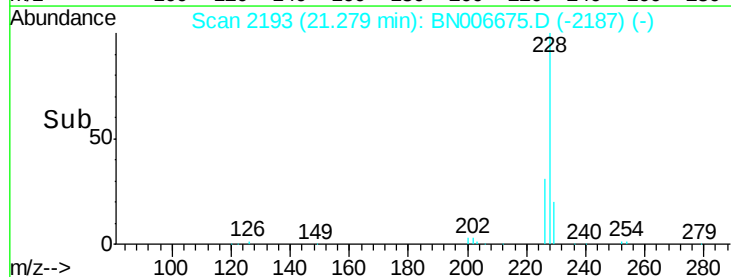
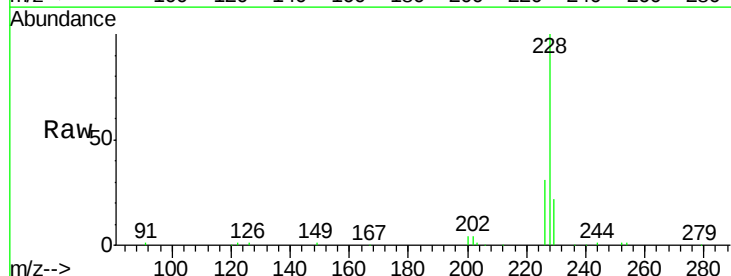
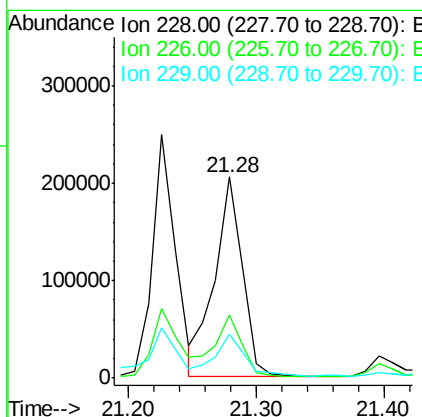
Manual Integrations
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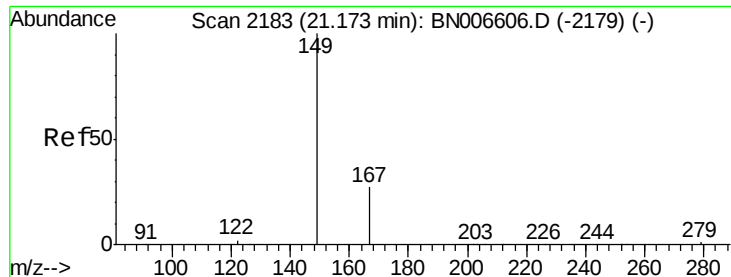
mohammad
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#31
Chrysene
Concen: 4.704 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	31.2	23.8	35.6	
229	21.8	15.9	23.9	





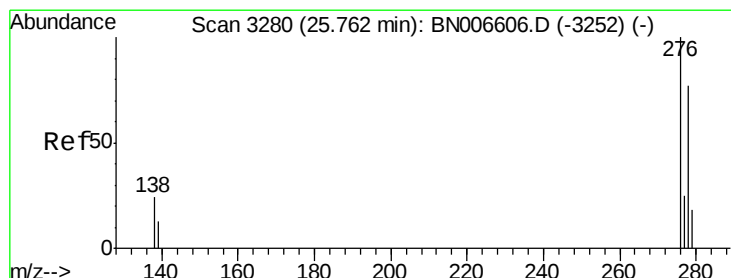
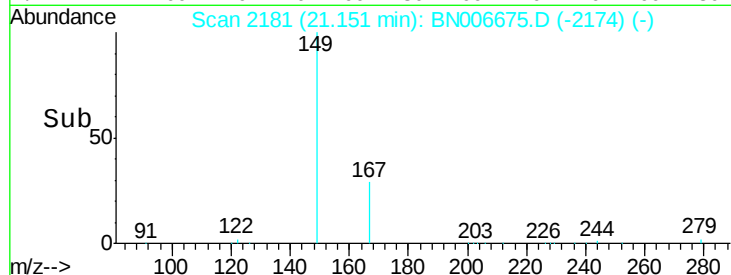
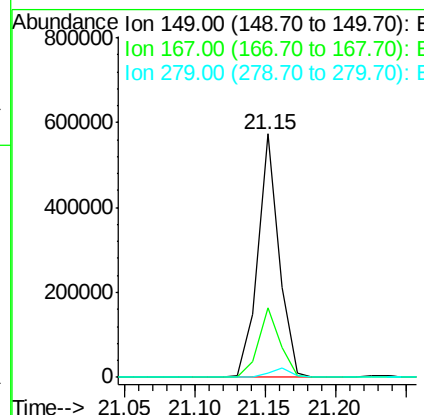
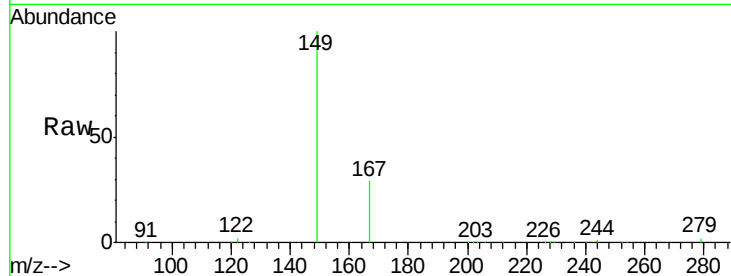
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 19.865 ng
 RT: 21.15 min Scan# 2181
 Delta R.T. -0.02 min
 Lab File: BN006675.D
 Acq: 02 Jul 2019 01:08

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-SW107-062019-1

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.9	34.3
279	4.0	3.3	4.9

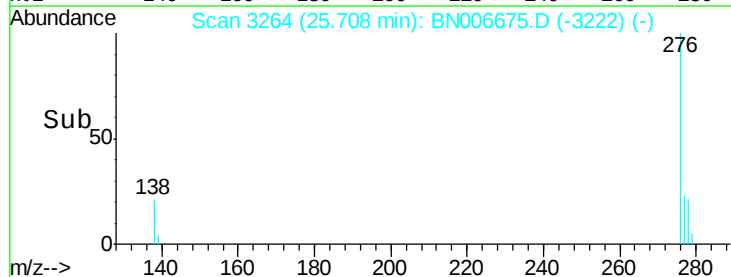
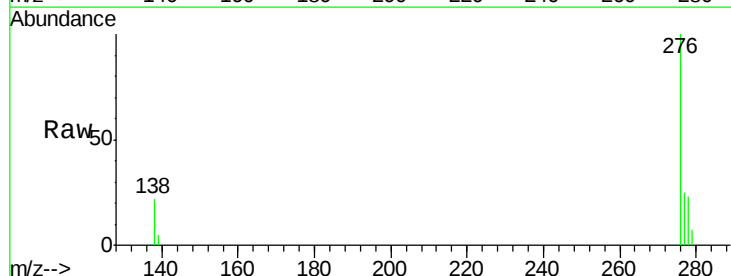
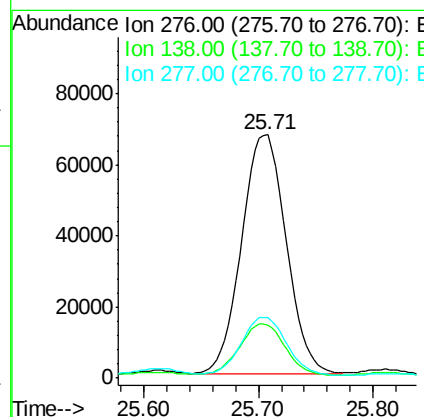
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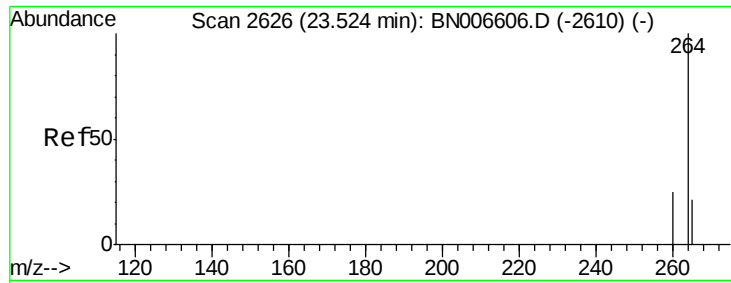
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 2.760 ng
 RT: 25.71 min Scan# 3264
 Delta R.T. -0.05 min
 Lab File: BN006675.D
 Acq: 02 Jul 2019 01:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.3	28.9
277	24.4	19.9	29.9





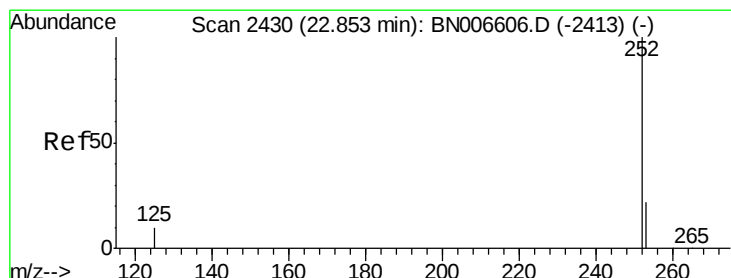
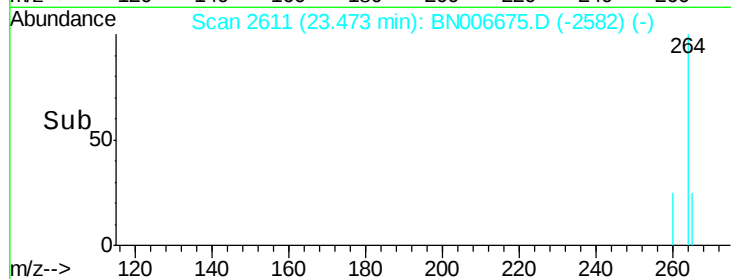
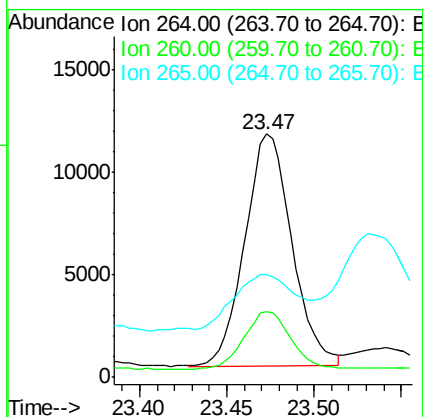
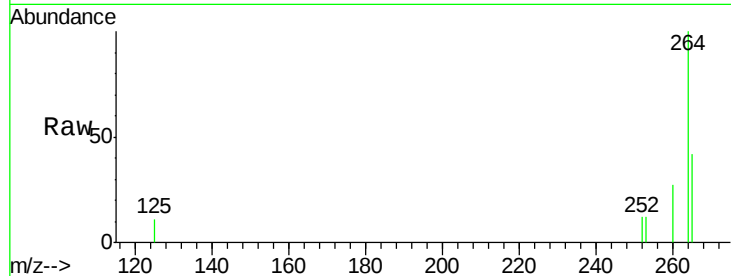
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2611
Delta R.T. -0.05 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.2	20.2	30.2
265	42.2	23.3	34.9

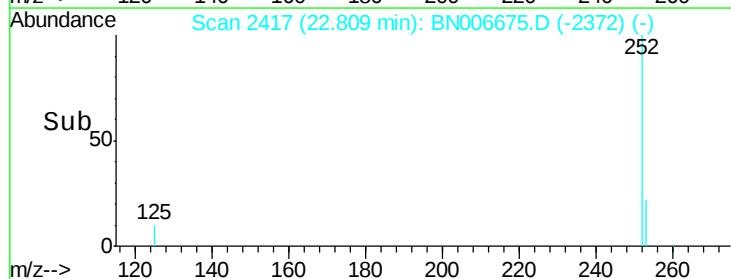
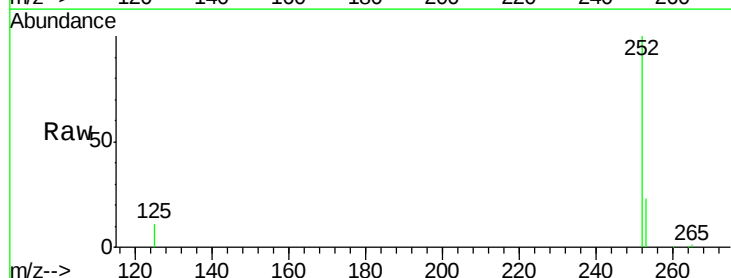
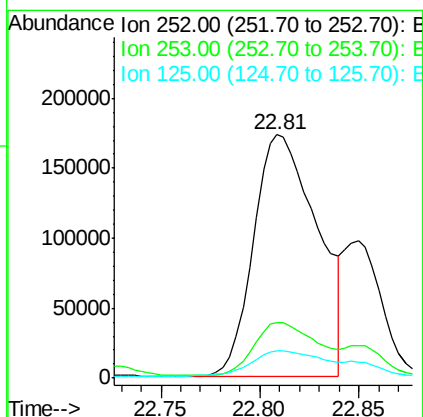
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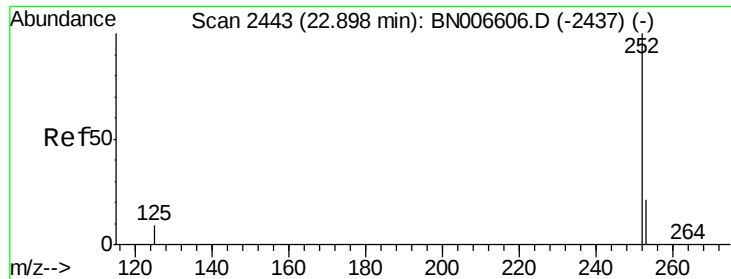
mohammad
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#35
Benzo(b)fluoranthene
Concen: 5.330 ng
RT: 22.81 min Scan# 2417
Delta R.T. -0.04 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	11.1	8.7	13.1





#36

Benzo(k)fluoranthene

Concen: 1.691 ng

RT: 22.85 min Scan# 2429

Delta R.T. -0.05 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Instrument :

BNA_N

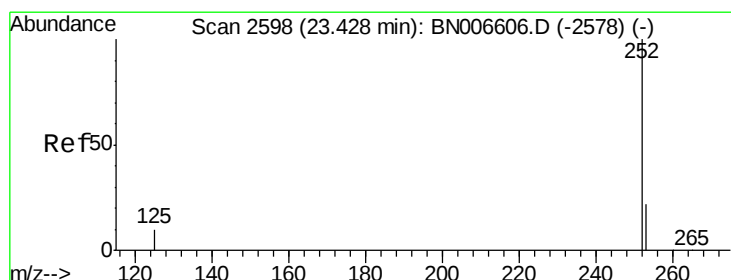
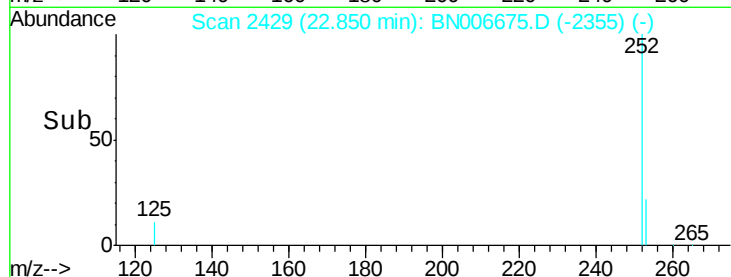
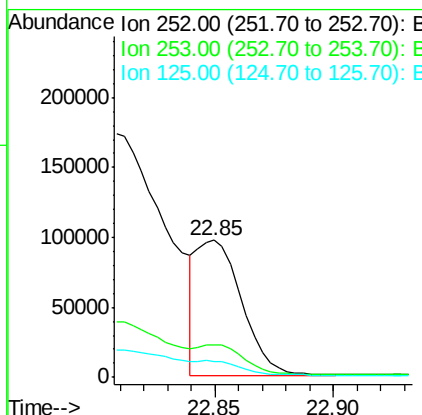
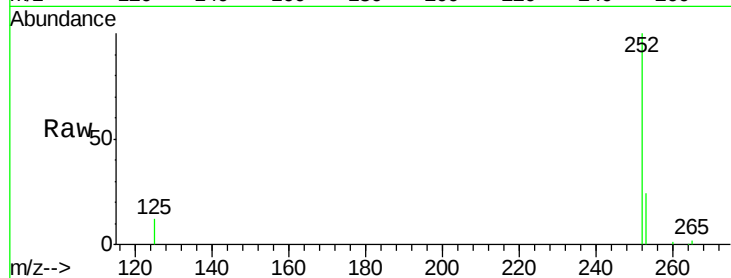
ClientSampleId :

PST-013-SW107-062019-1

Tot Ion:	252	Resp:	130826
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.3	27.5
125	11.9	8.4	12.6

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#37

Benzo(a)pyrene

Concen: 4.012 ng

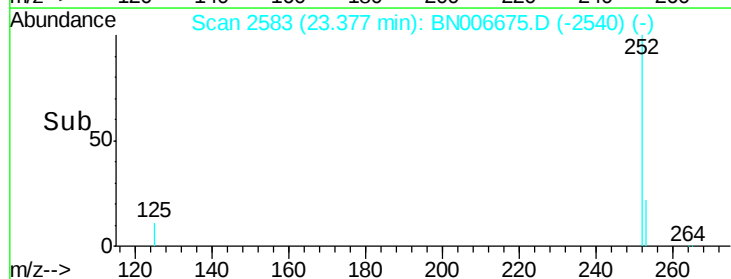
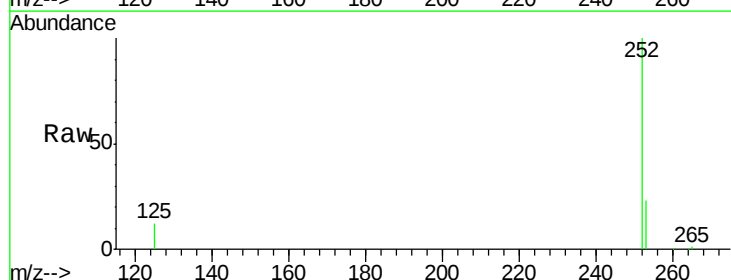
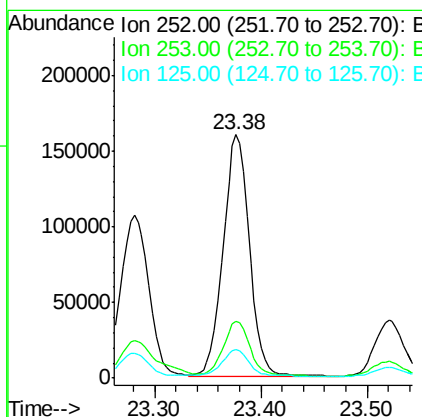
RT: 23.38 min Scan# 2583

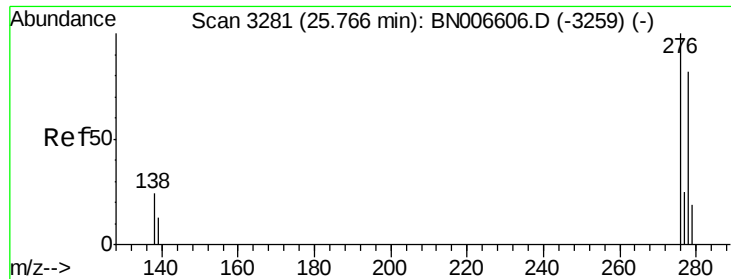
Delta R.T. -0.05 min

Lab File: BN006675.D

Acq: 02 Jul 2019 01:08

Tgt Ion:	252	Resp:	272206
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.8	28.2
125	11.7	9.4	14.2





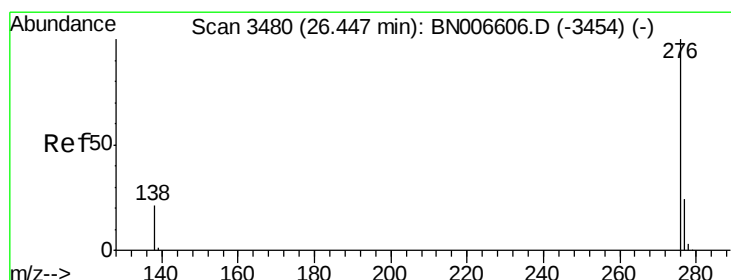
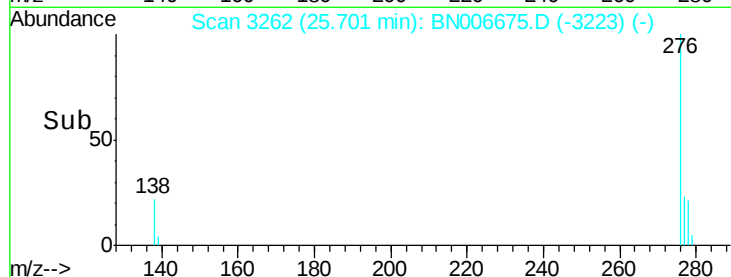
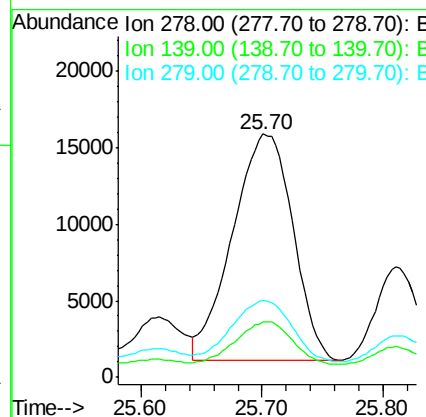
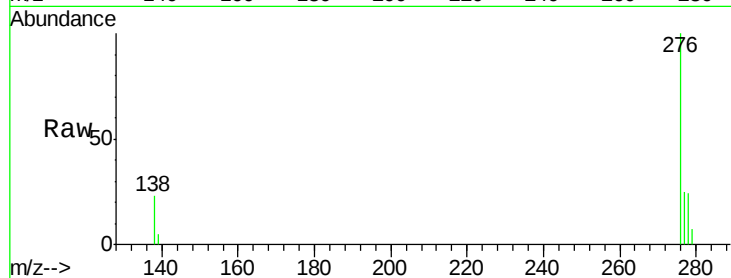
#38
Dibenzo(a,h)anthracene
Concen: 0.867 ng
RT: 25.70 min Scan# 3262
Delta R.T. -0.07 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Instrument :
BNA_N
ClientSampleId :
PST-013-SW107-062019-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.8	13.5	20.3#
279	31.5	19.4	29.2#

Manual Integrations
APPROVED

mohammad
7/2/2019 2:52:54 PM



#39
Benzo(g,h,i)perylene
Concen: 3.019 ng
RT: 26.39 min Scan# 3463
Delta R.T. -0.06 min
Lab File: BN006675.D
Acq: 02 Jul 2019 01:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.6	29.4
138	23.0	17.7	26.5

