

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007118.D
 Acq On : 13 Aug 2019 06:55
 Operator : HP/JU
 Sample : K4240-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B245-080619

Manual Integrations
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mohammad
 8/14/2019 2:52:36 AM

Quant Time: Aug 13 08:41:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9372	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	36671	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21330	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	49089	0.40	ng	0.00
26) Chrysene-d12	21.05	240	46755	0.40	ng	-0.01
32) Perylene-d12	23.16	264	52759	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	7321	0.33	ng	0.00
4) Phenol-d6	6.62	99	10099	0.36	ng	0.00
7) Nitrobenzene-d5	8.56	82	8235	0.28	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	17094	0.25	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2934	0.26	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4191	0.14	ng	0.00
24) Fluoranthene-d10	18.87	212	34449	0.20	ng	0.00
28) Terphenyl-d14	19.49	244	27692	0.22	ng	-0.01

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	12776	0.124	ng	97
11) 2-Methylnaphthalene	11.86	142	5927	0.081	ng	# 92
15) Acenaphthylene	13.79	152	66211	0.594	ng	99
16) Acenaphthene	14.13	154	3228	0.045	ng	# 70
17) Fluorene	15.13	166	10871	0.102	ng	# 77
22) Phenanthrene	16.87	178	135322	0.920	ng	99
23) Anthracene	16.95	178	125855	0.936	ng	99
25) Fluoranthene	18.90	202	367462	1.953	ng	99
27) Pyrene	19.26	202	642151	3.916	ng	98
29) Benzo(a)anthracene	21.02	228	272468	1.594	ng	92
30) Chrysene	21.08	228	375259	2.259	ng	96
31) Indeno(1,2,3-cd)pyrene	25.24	276	160909	0.879	ng	99
33) Benzo(b)fluoranthene	22.54	252	559737	3.094	ng	99
34) Benzo(k)fluoranthene	22.58	252	175463m	0.982	ng	
35) Benzo(a)pyrene	23.07	252	224124	1.366	ng	98
36) Dibenzo(a,h)anthracene	25.25	278	43659	0.267	ng	# 79
37) Benzo(a,h,i)perylene	25.87	276	145001	0.861	ng	97

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

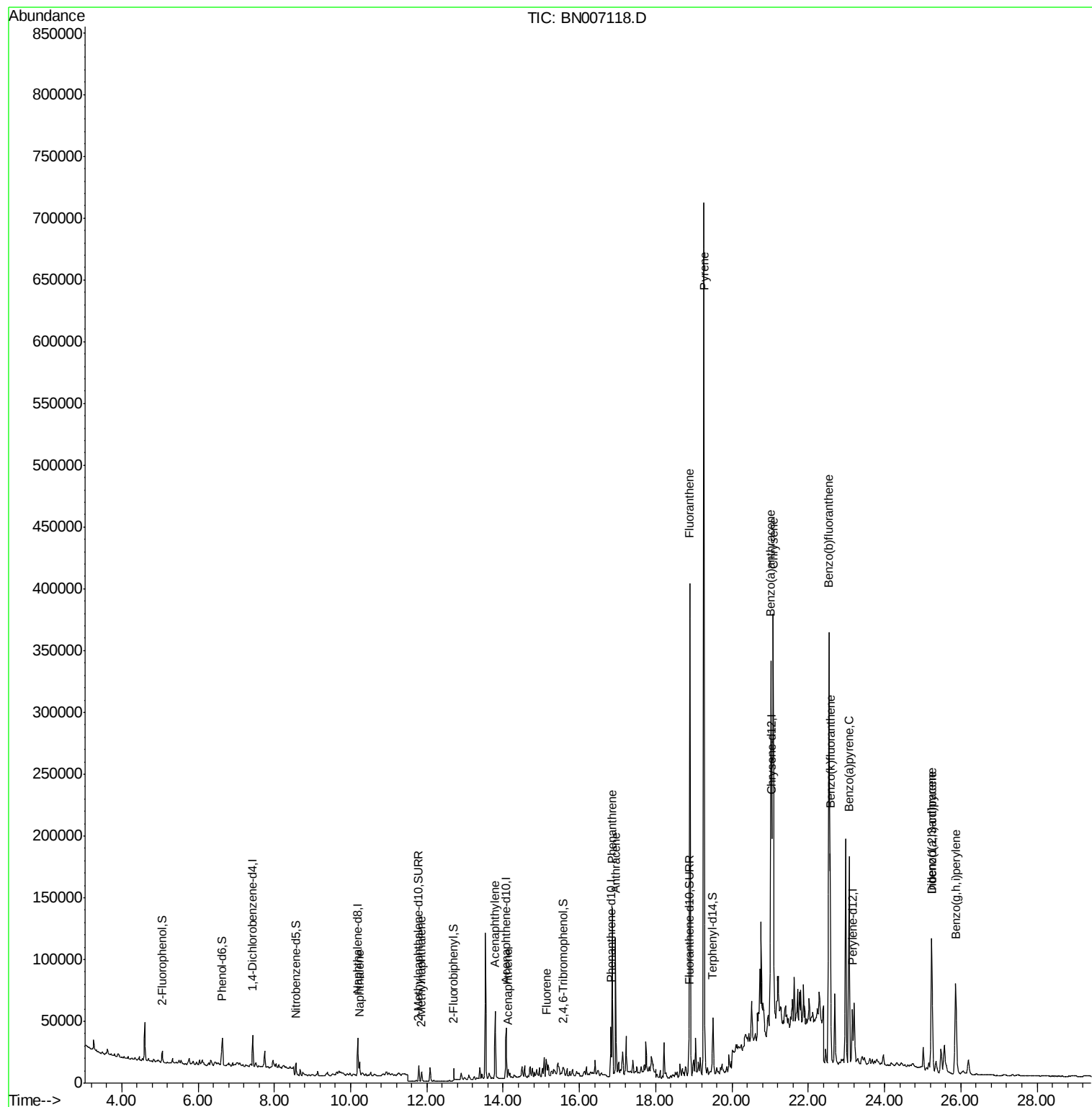
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007118.D
Acq On : 13 Aug 2019 06:55
Operator : HP/JU
Sample : K4240-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

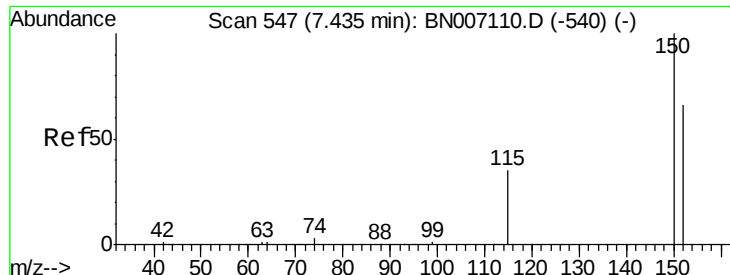
Instrument :
BNA_N
ClientSampleId :
PST-035-B245-080619

Manual Integrations
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Quant Time: Aug 13 08:41:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration





#1

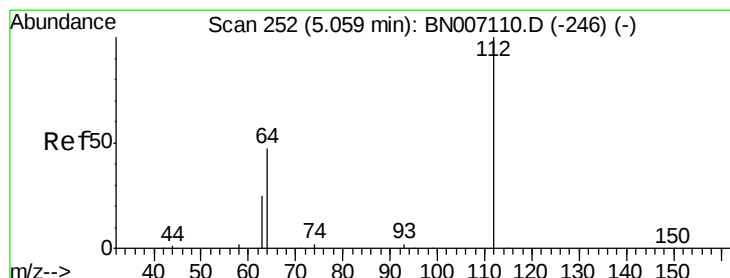
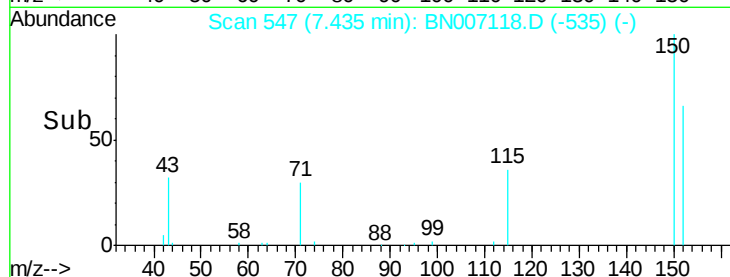
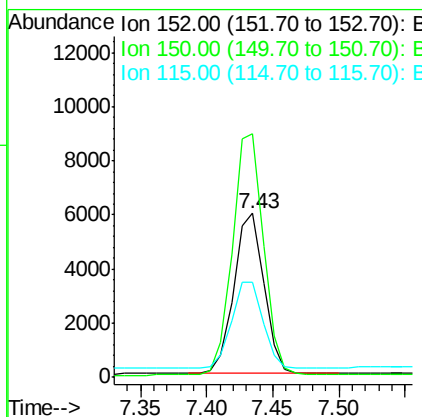
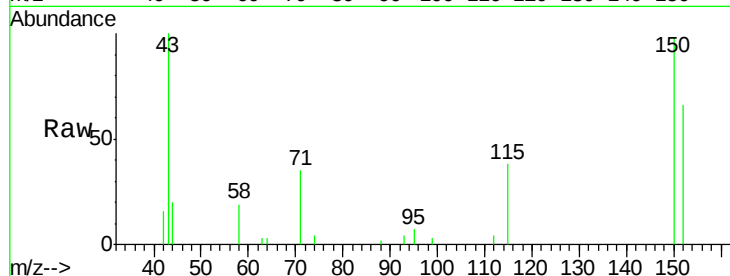
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Instrument :
BNA_N
ClientSampleId :
PST-035-B245-080619

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	121.7	182.5
115	58.2	46.2	69.4

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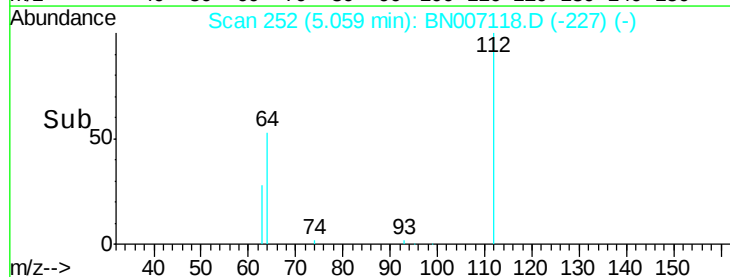
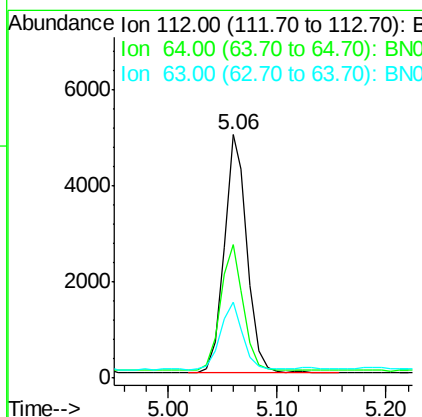
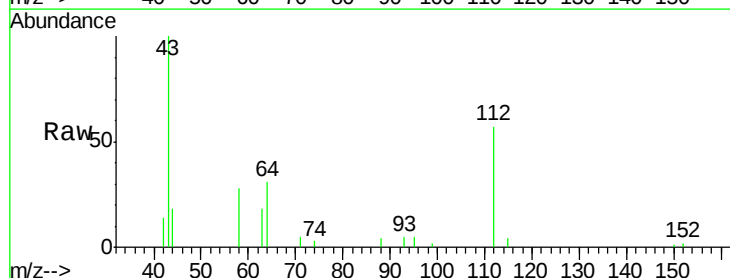
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#3

2-Fluorophenol
Concen: 0.325 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	42.6	63.8
63	27.2	22.2	33.2





#4

Phenol-d6

Concen: 0.362 ng

RT: 6.62 min Scan# 446

Delta R.T. 0.01 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

Instrument :

BNA_N

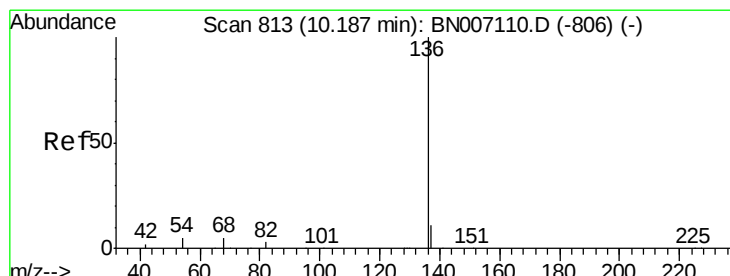
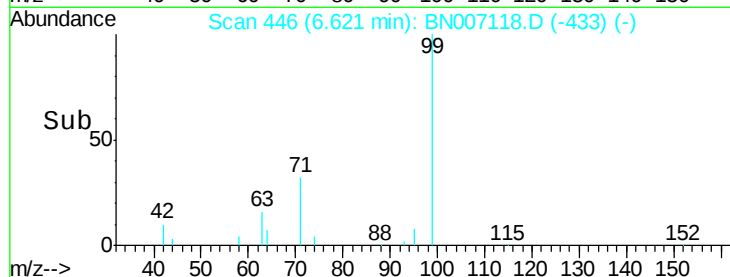
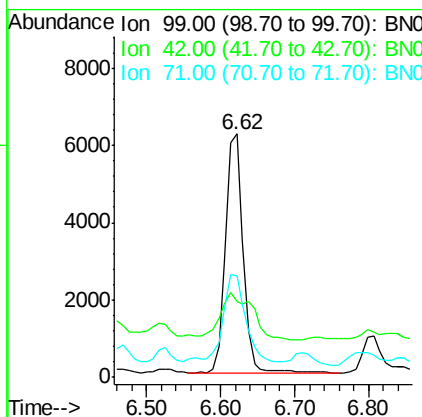
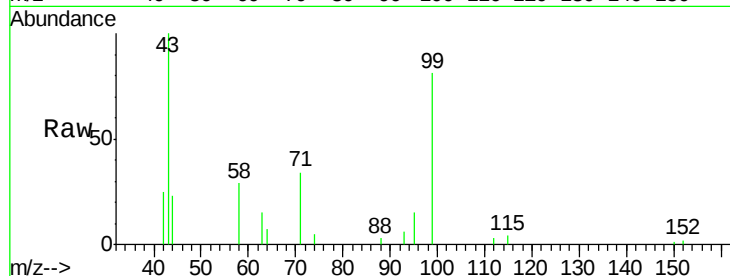
ClientSampleId :

PST-035-B245-080619

Tot Ion:	99	Resp:	10099
Ion Ratio	Lower	Upper	
99	100		
42	36.0	15.8	23.6#
71	50.0	27.0	40.4#

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#6

Naphthalene-d8

Concen: 0.400 ng

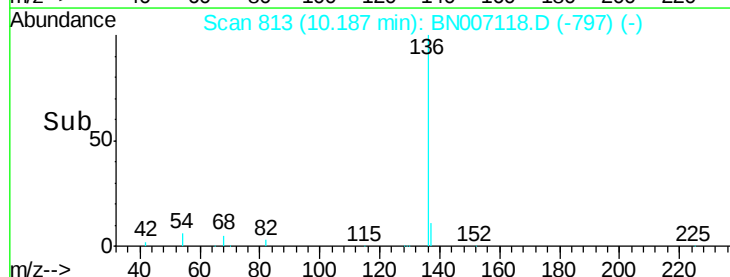
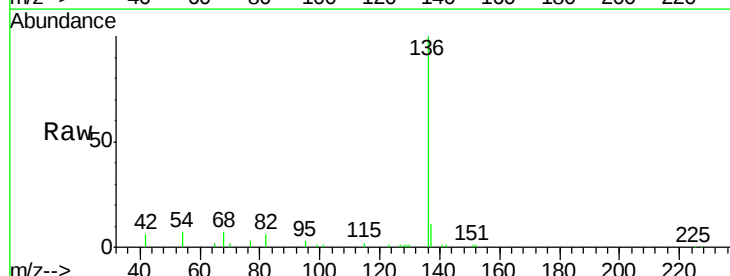
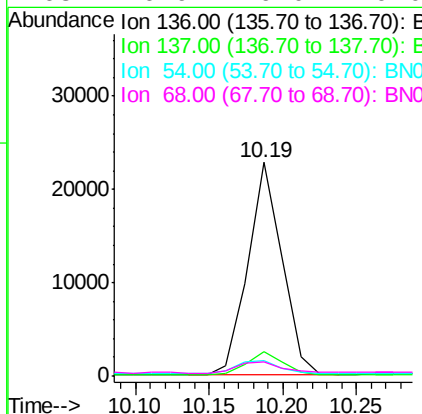
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

Tgt Ion:	136	Resp:	36671
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.4	14.0
54	7.0	6.6	9.8
68	6.9	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.279 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

Instrument :

BNA_N

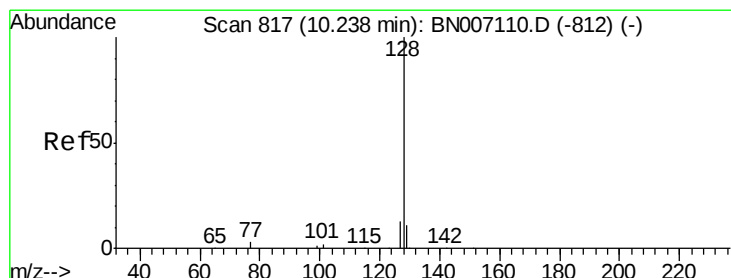
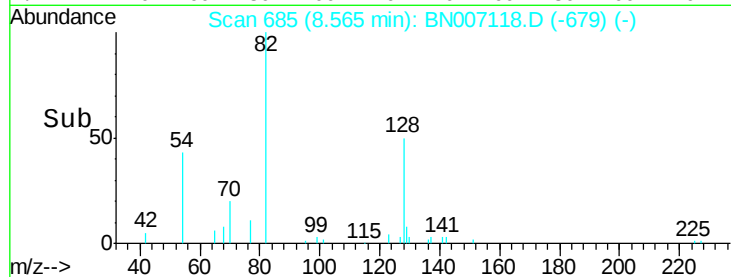
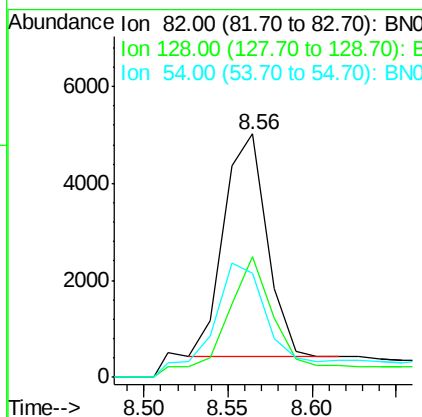
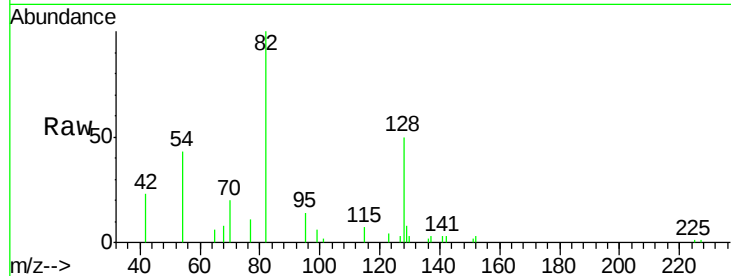
ClientSampleId :

PST-035-B245-080619

Tot Ion:	82	Resp:	8235
Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.6	51.8
54	42.8	36.2	54.4

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#8

Naphthalene

Concen: 0.124 ng

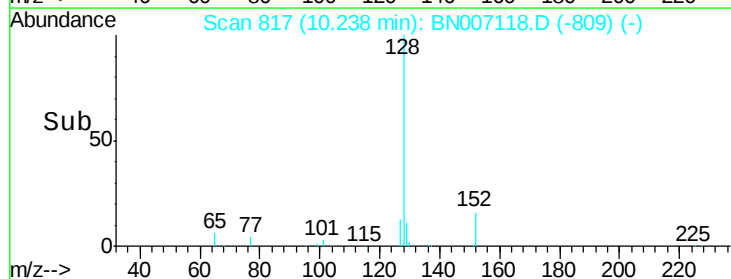
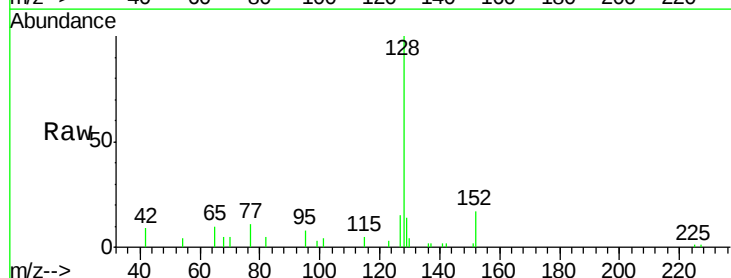
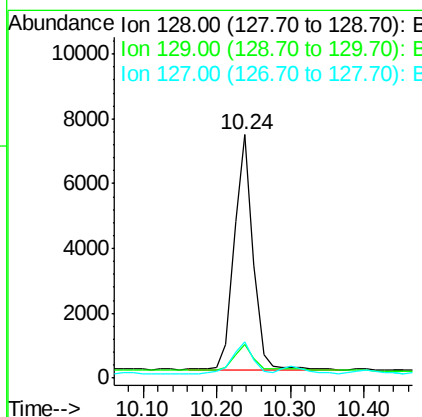
RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

Tgt Ion:	128	Resp:	12776
Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.4	14.2
127	14.8	11.0	16.6





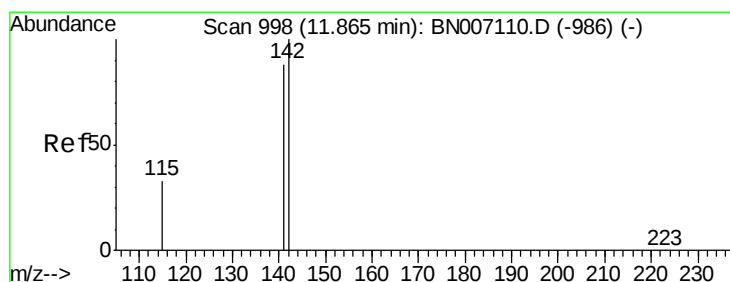
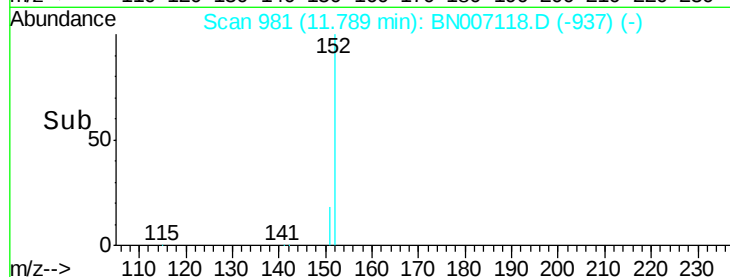
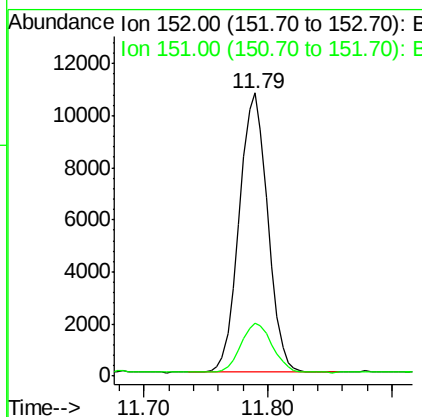
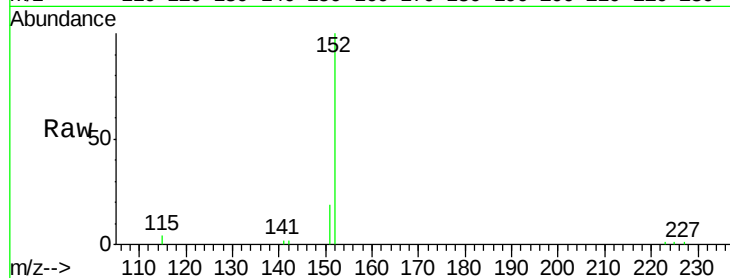
#10
2-Methylnaphthalene-d10
Concen: 0.250 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Instrument :
BNA_N
ClientSampleId :
PST-035-B245-080619

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

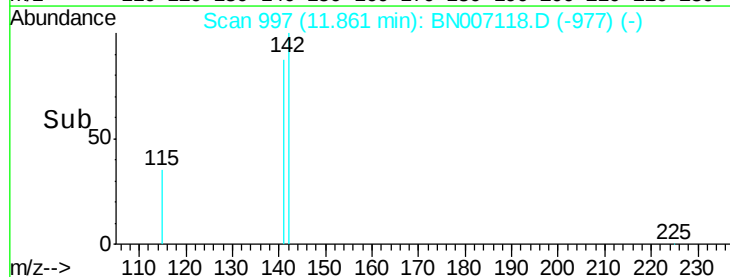
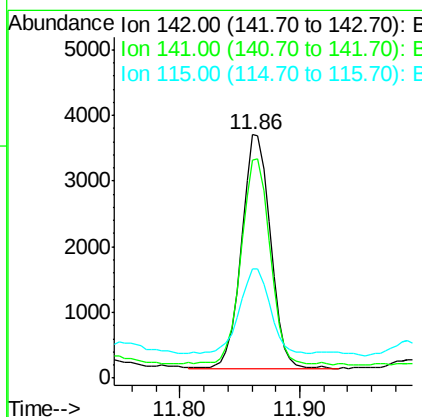
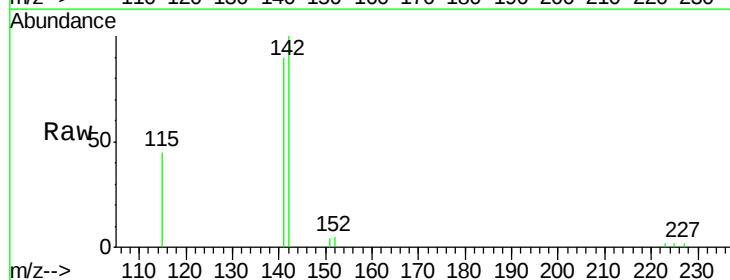
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#11
2-Methylnaphthalene
Concen: 0.081 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	69.0	103.6
115	44.8	27.1	40.7





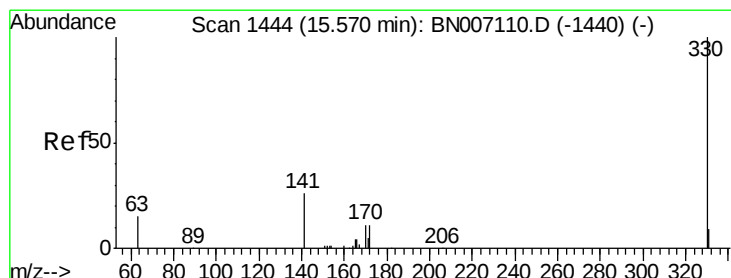
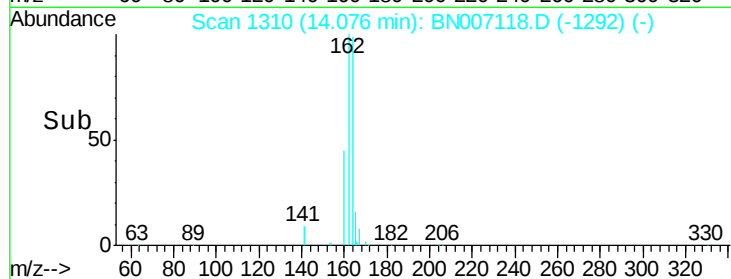
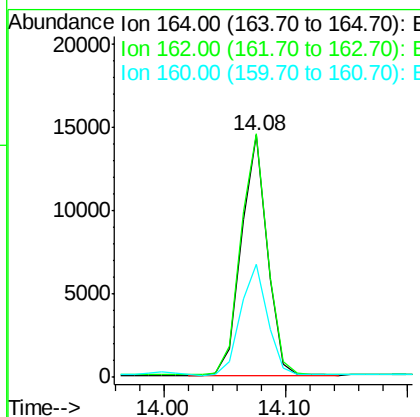
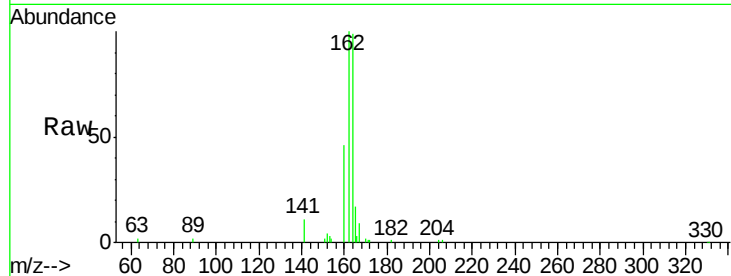
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Instrument :
BNA_N
ClientSampleId :
PST-035-B245-080619

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.2	123.4
160	46.6	38.3	57.5

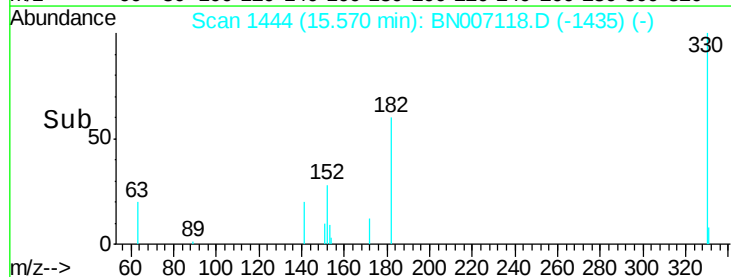
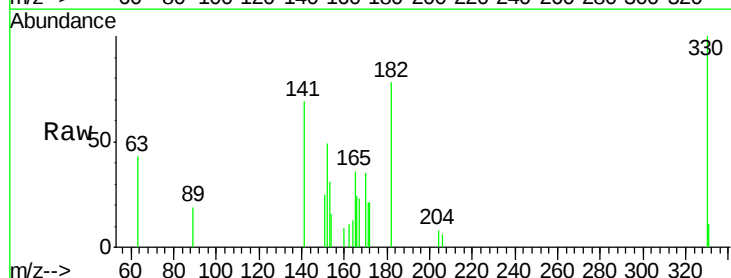
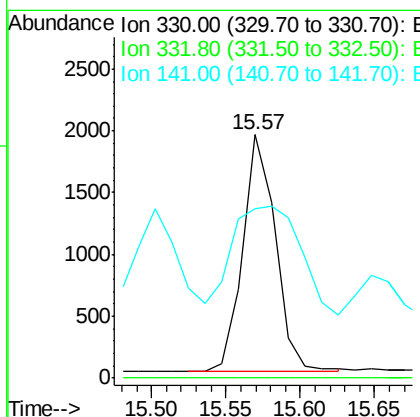
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#13
2,4,6-Tribromophenol
Concen: 0.255 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	94.2	33.6	50.4#





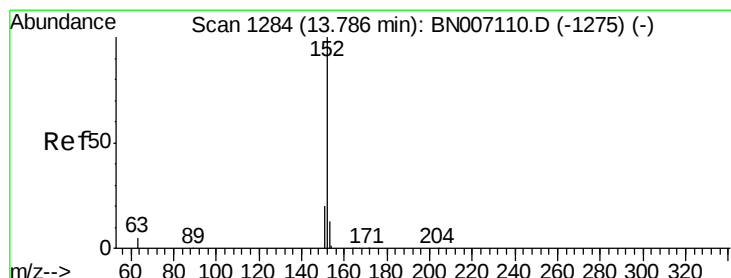
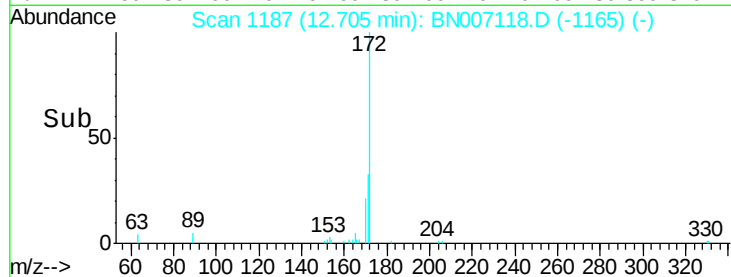
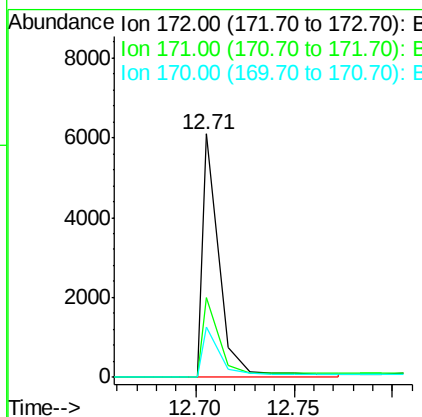
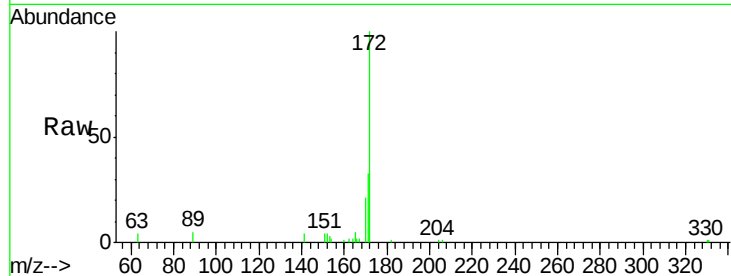
#14
2-Fluorobiphenyl
Concen: 0.135 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Instrument :
BNA_N
ClientSampleId :
PST-035-B245-080619

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.6	26.3	39.5
170	20.8	17.0	25.4

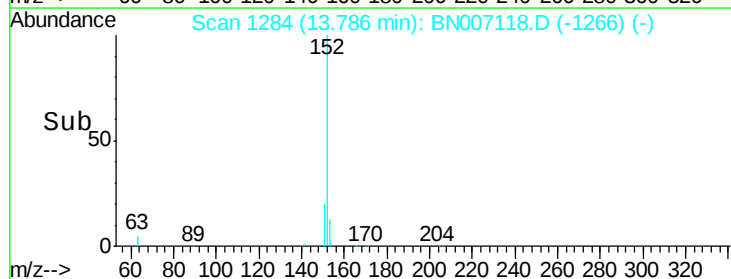
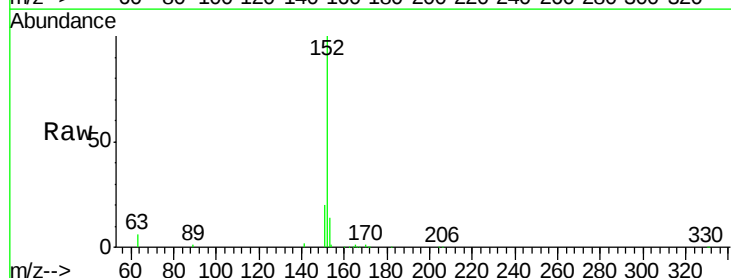
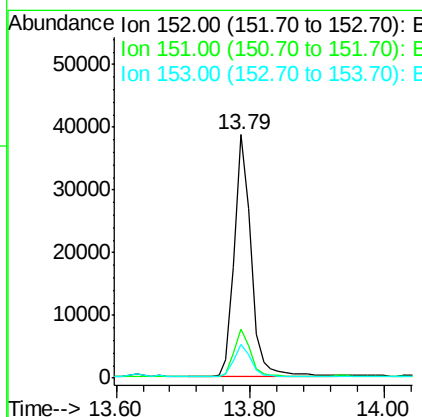
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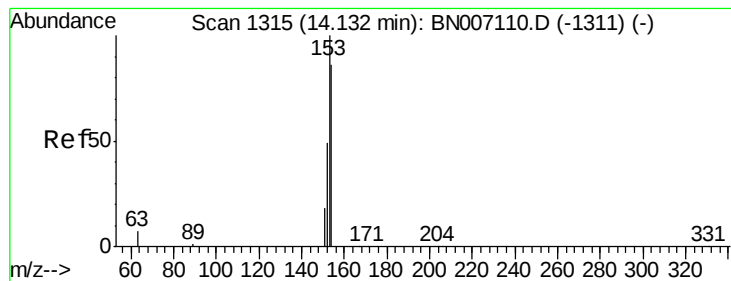
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#15
Acenaphthylene
Concen: 0.594 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.8	10.4	15.6





#16

Acenaphthene

Concen: 0.045 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

Instrument :

BNA_N

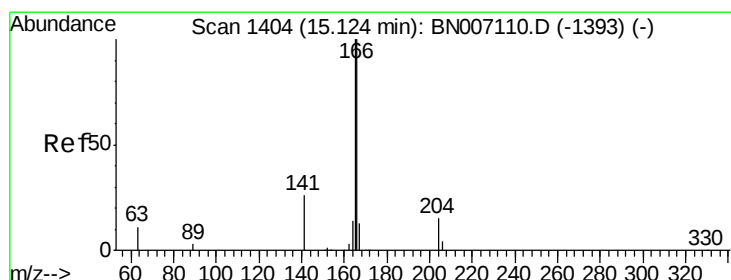
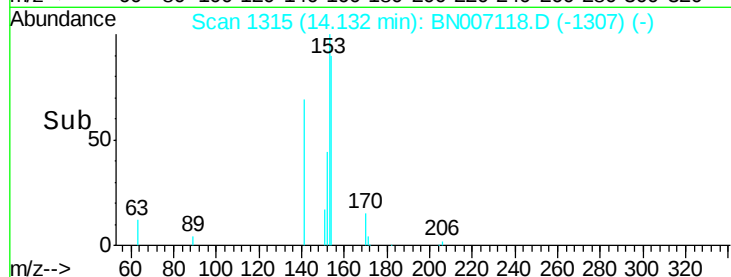
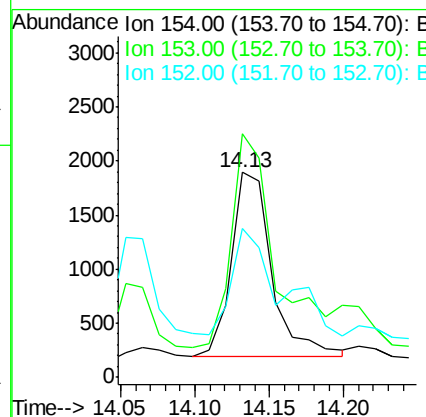
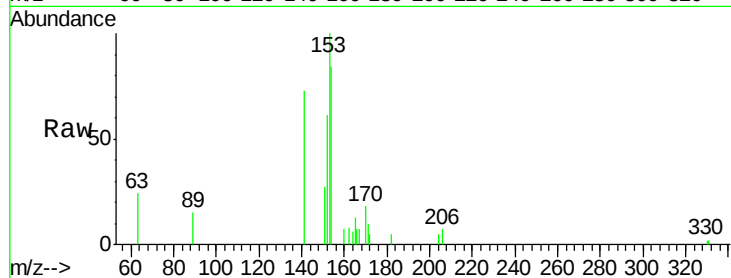
ClientSampleId :

PST-035-B245-080619

Tot Ion:	154	Resp:	3228
Ion	Ratio	Lower	Upper
154	100		
153	150.8	89.5	134.3#
152	68.1	44.8	67.2#

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#17

Fluorene

Concen: 0.102 ng

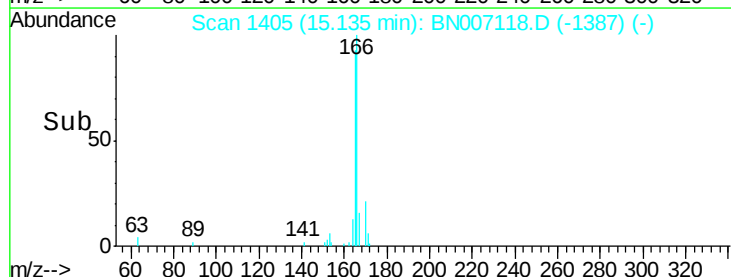
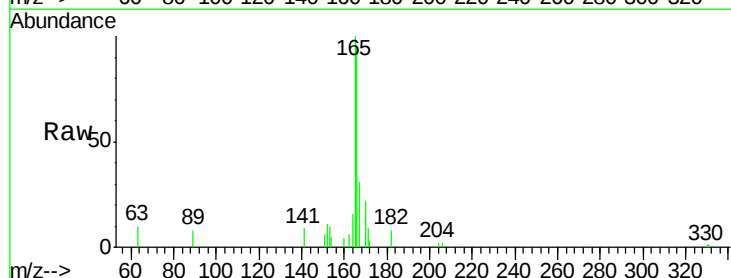
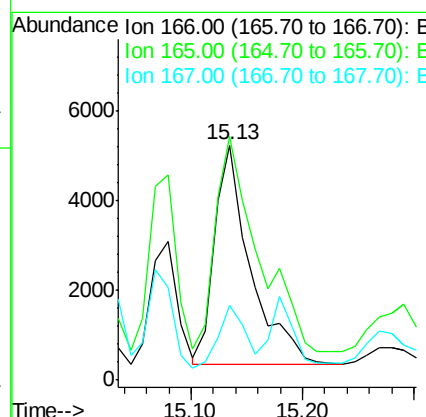
RT: 15.13 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

Tgt Ion:	166	Resp:	10871
Ion	Ratio	Lower	Upper
166	100		
165	120.2	77.9	116.9#
167	21.6	10.9	16.3#





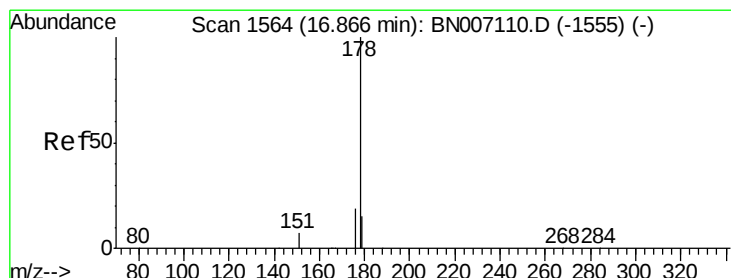
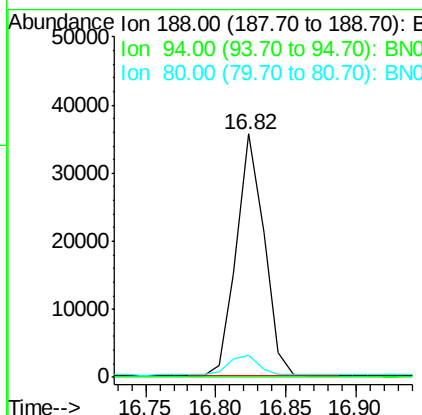
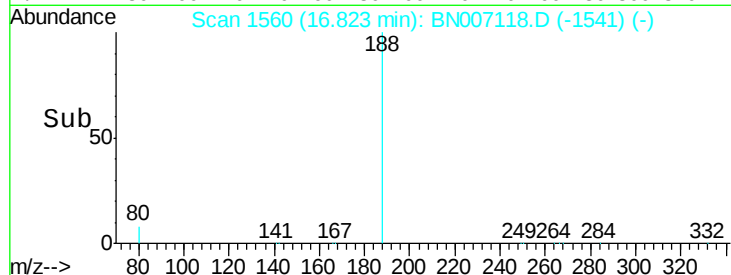
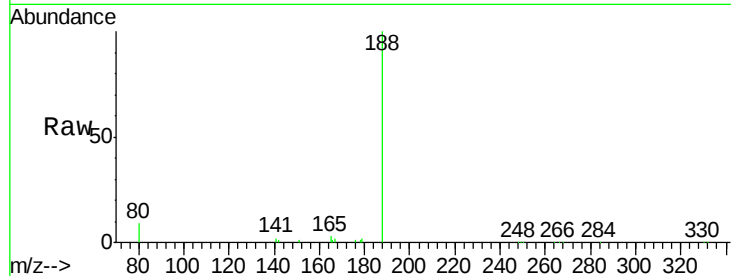
#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007118.D
 Acq: 13 Aug 2019 06:55

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B245-080619

Tot Ion	Ratio	Resp	Lower	Upper
188	100	49089		
94	0.0	0.0	0.0	0.0
80	9.2	7.8	11.6	

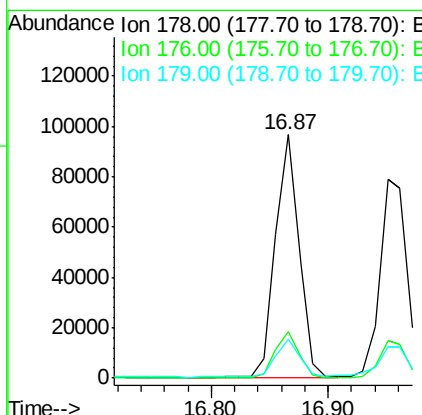
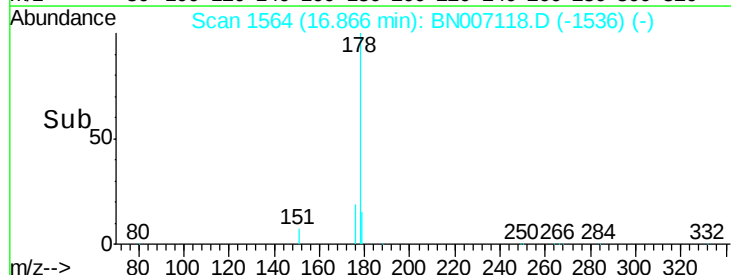
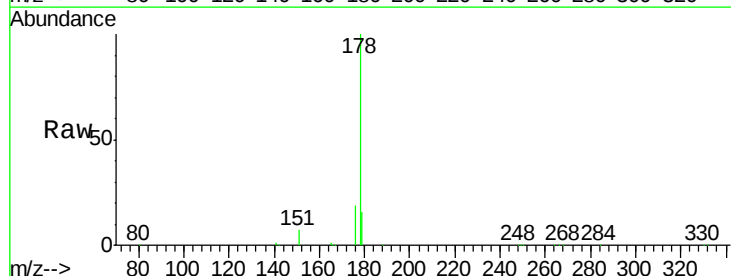
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#22
 Phenanthrene
 Concen: 0.920 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007118.D
 Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	135322		
176	19.0	15.2	22.8	
179	15.9	12.3	18.5	





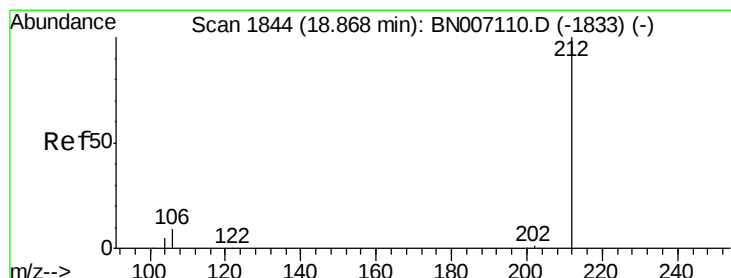
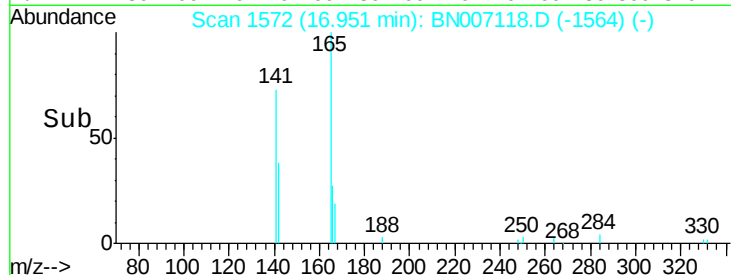
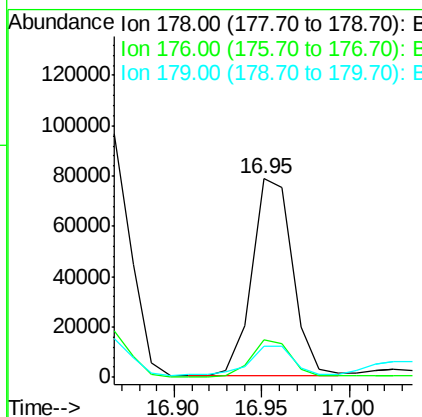
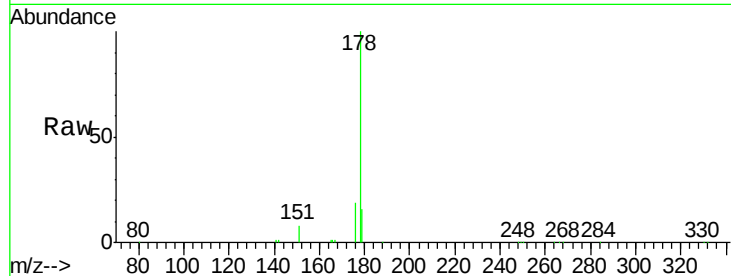
#23
 Anthracene
 Concen: 0.936 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007118.D
 Acq: 13 Aug 2019 06:55

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B245-080619

Tot Ion:178	Resp:	125855
Ion Ratio	Lower	Upper
178 100		
176 18.4	14.6	21.8
179 16.3	12.5	18.7

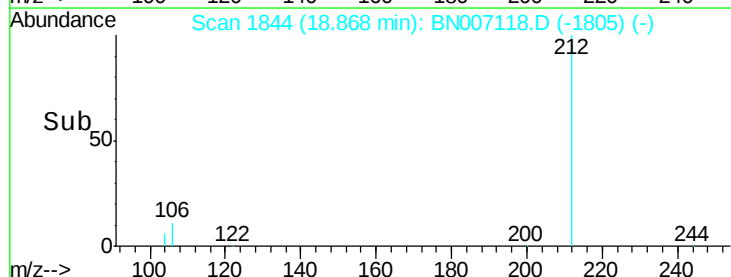
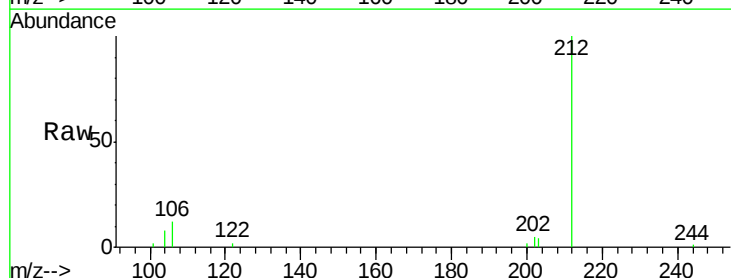
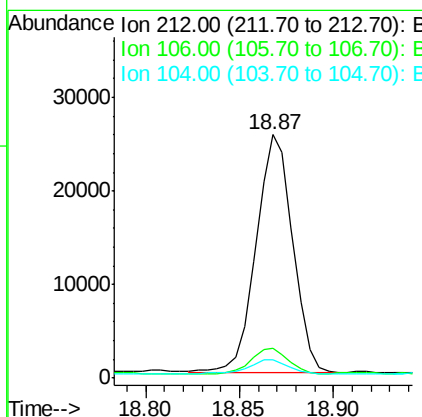
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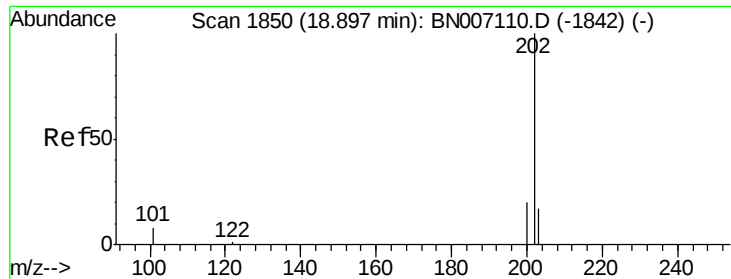
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#24
 Fluoranthene-d10
 Concen: 0.198 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007118.D
 Acq: 13 Aug 2019 06:55

Tgt Ion:212	Resp:	34449
Ion Ratio	Lower	Upper
212 100		
106 10.6	8.2	12.2
104 6.9	4.5	6.7#





#25

Fluoranthene

Concen: 1.953 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

Instrument :

BNA_N

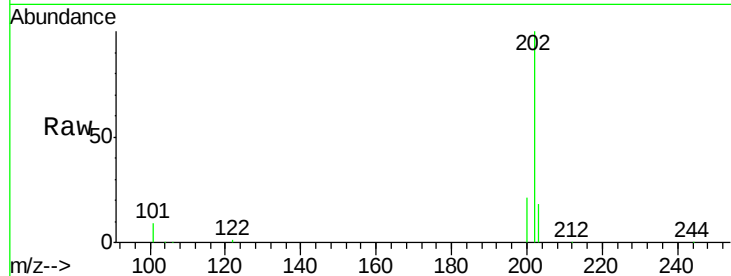
ClientSampleId :

PST-035-B245-080619

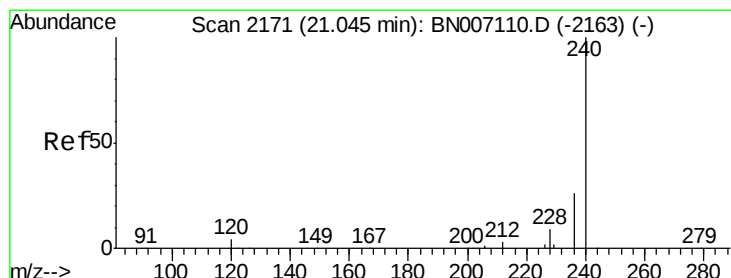
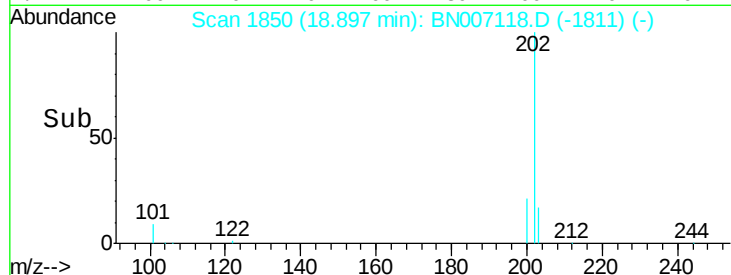
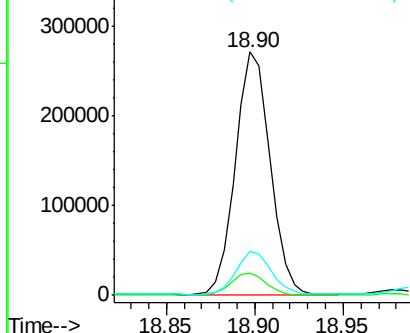
Tot Ion:	202	Resp:	367462
Ion Ratio	Lower	Upper	
202	100		
101	9.0	7.0	10.4
203	17.9	13.8	20.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

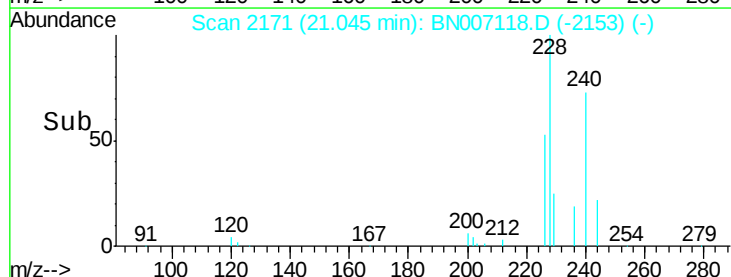
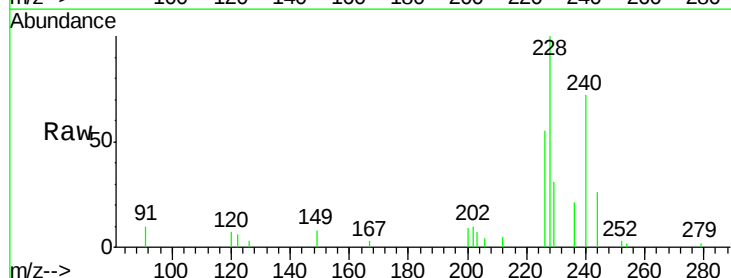
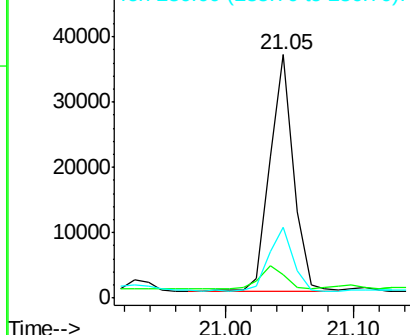
Delta R.T. -0.01 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

Tgt Ion:	240	Resp:	46755
Ion Ratio	Lower	Upper	
240	100		
120	9.7	4.0	6.0#
236	28.9	21.3	31.9

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





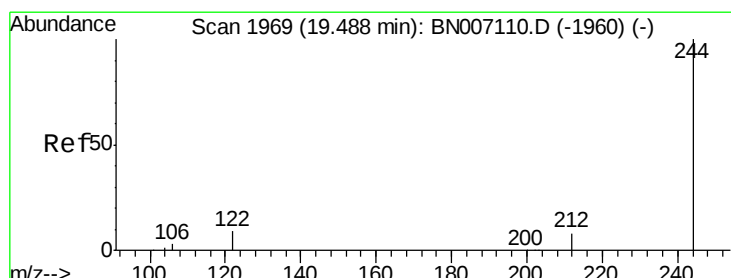
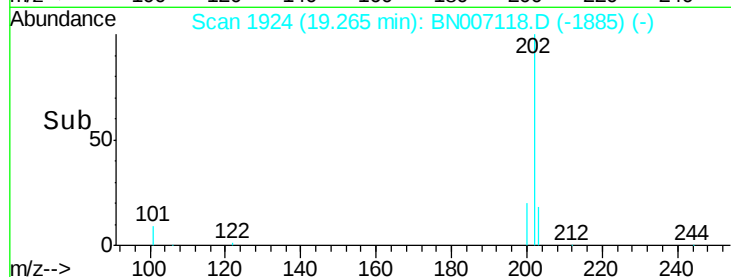
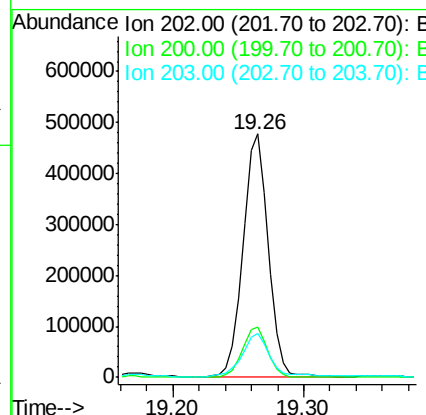
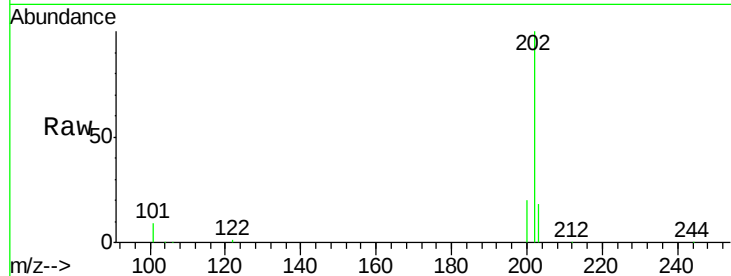
#27
Pvrene
Concen: 3.916 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Instrument :
BNA_N
ClientSampleId :
PST-035-B245-080619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	642151		
200	20.8		16.6	24.8
203	19.0		14.0	21.0

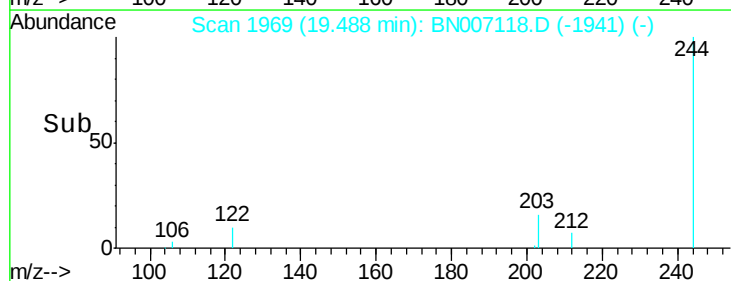
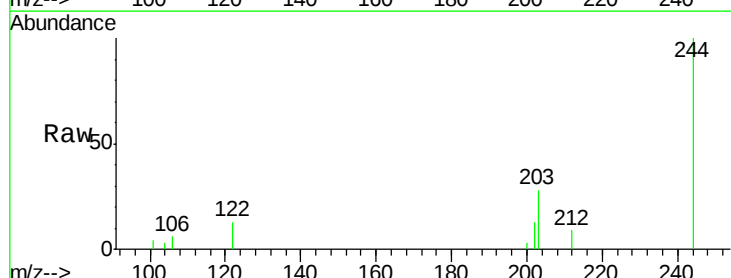
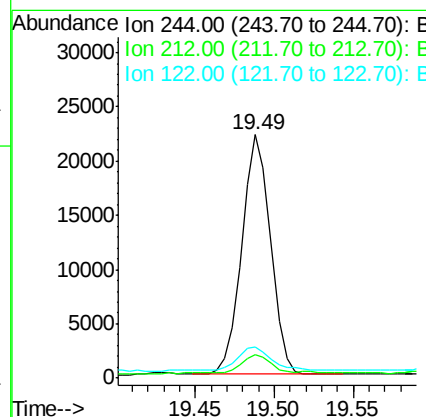
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#28
Terphenyl-d14
Concen: 0.217 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	27692		
212	9.5		6.2	9.2#
122	12.7		7.4	11.2#





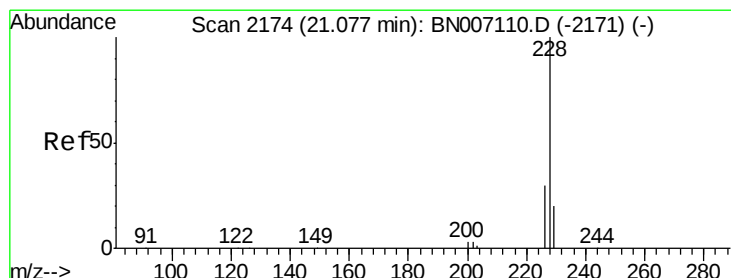
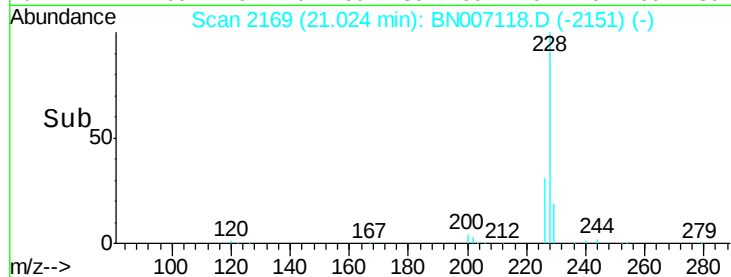
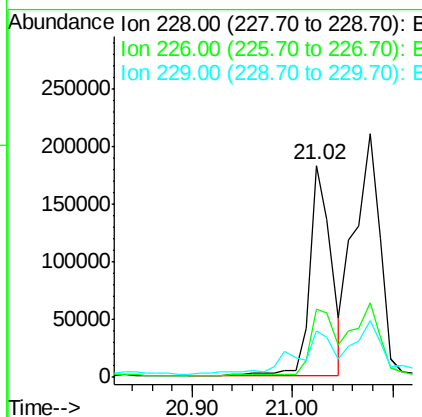
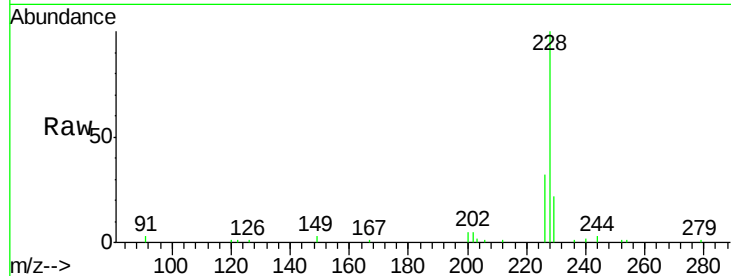
#29
Benzo(a)anthracene
Concen: 1.594 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Instrument :
BNA_N
ClientSampleId :
PST-035-B245-080619

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	21.8	32.6
229	21.8	15.6	23.4

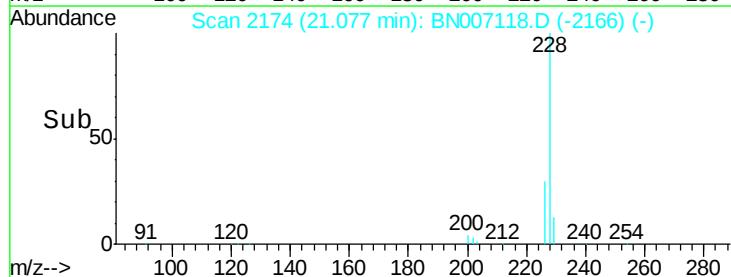
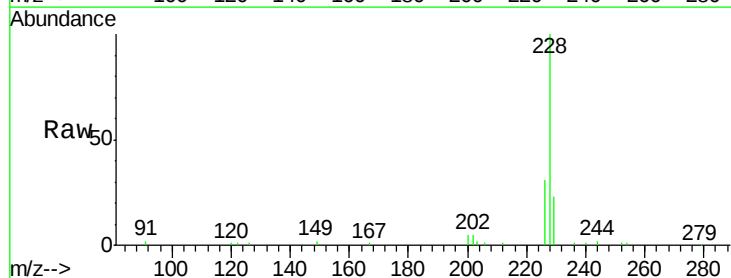
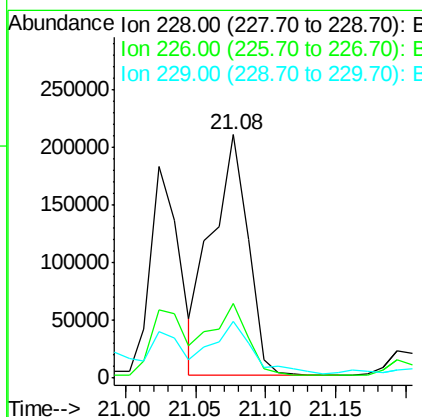
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#30
Chrysene
Concen: 2.259 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	23.3	15.7	23.5





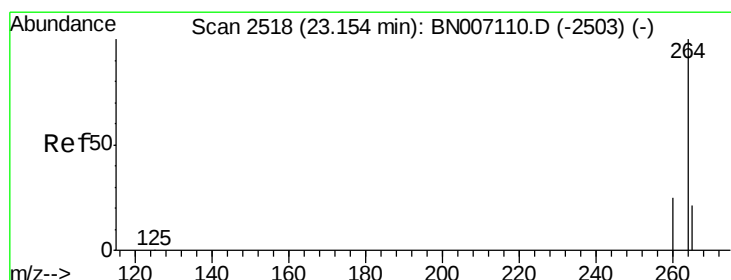
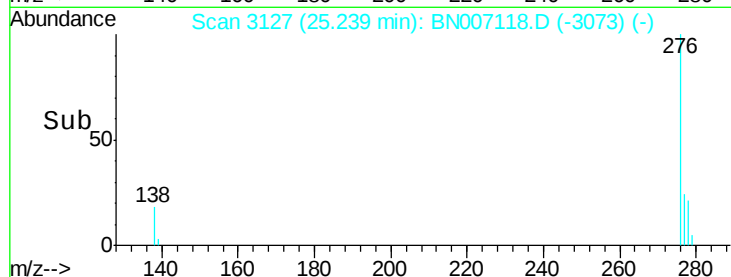
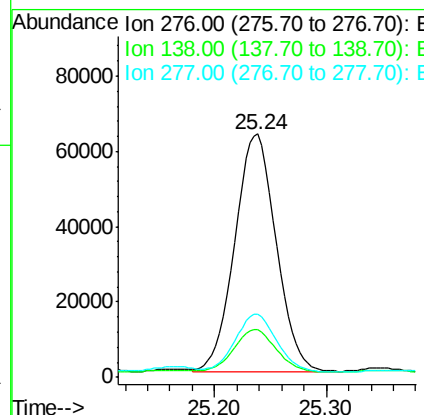
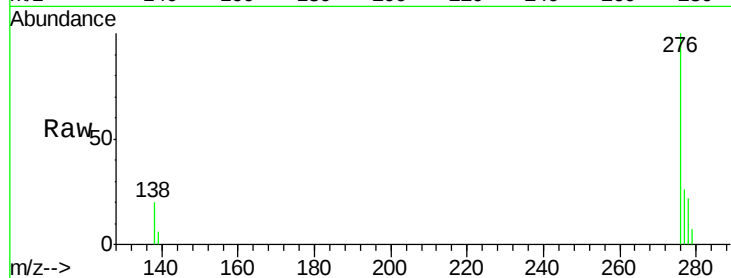
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.879 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Instrument :
BNA_N
ClientSampleId :
PST-035-B245-080619

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.0	24.0
277	24.9	19.9	29.9

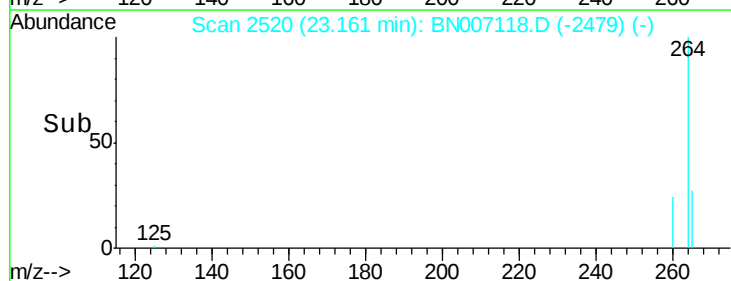
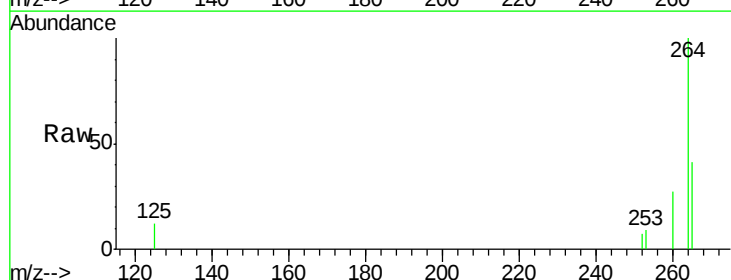
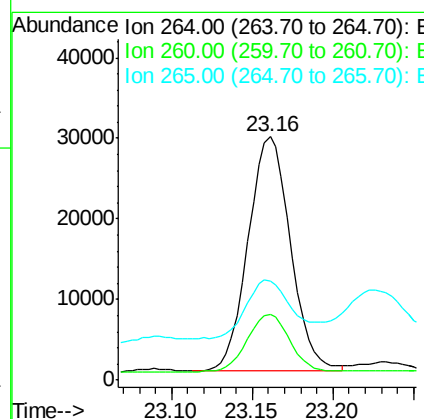
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#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.9	19.8	29.8
265	40.9	26.2	39.4





#33

Benzo(b)fluoranthene

Concen: 3.094 ng

RT: 22.54 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

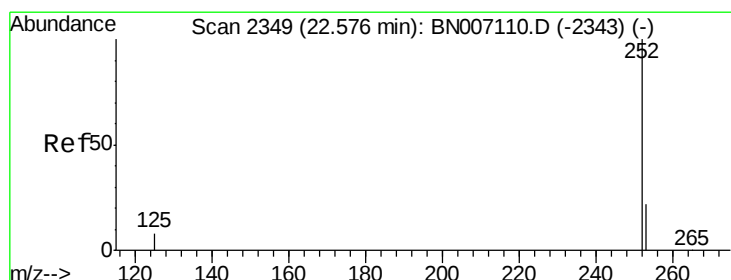
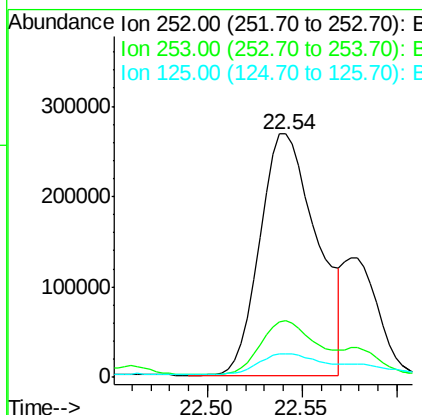
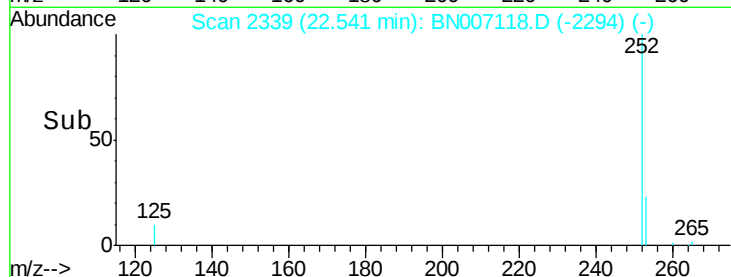
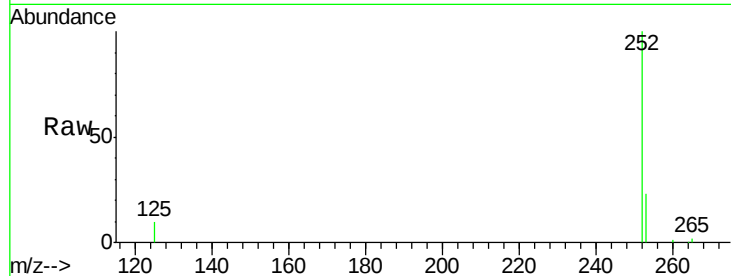
Instrument :
BNA_N

ClientSampleId :
PST-035-B245-080619

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	9.8	7.4	11.0

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#34

Benzo(k)fluoranthene

Concen: 0.982 ng m

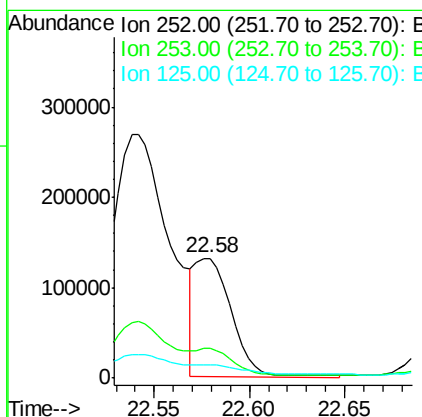
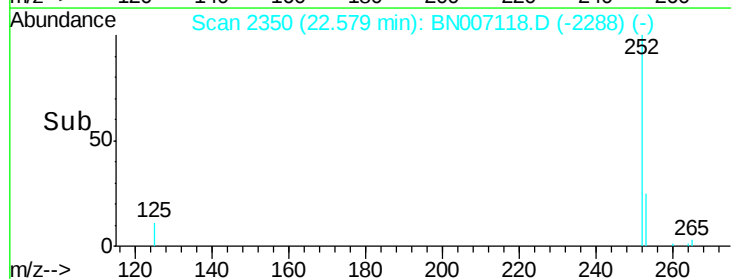
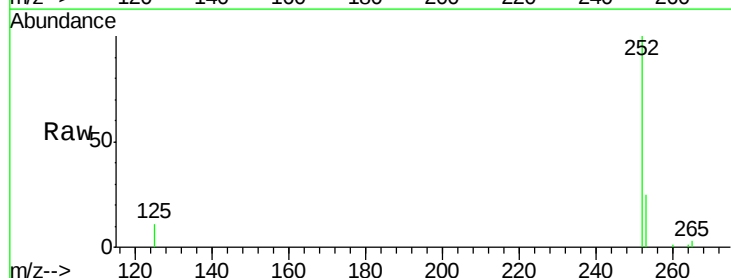
RT: 22.58 min Scan# 2350

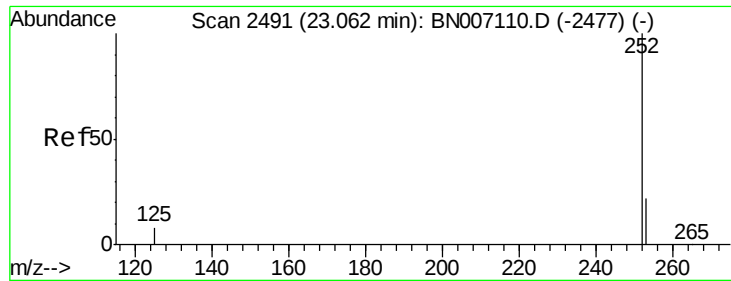
Delta R.T. -0.01 min

Lab File: BN007118.D

Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	11.1	7.4	11.0#





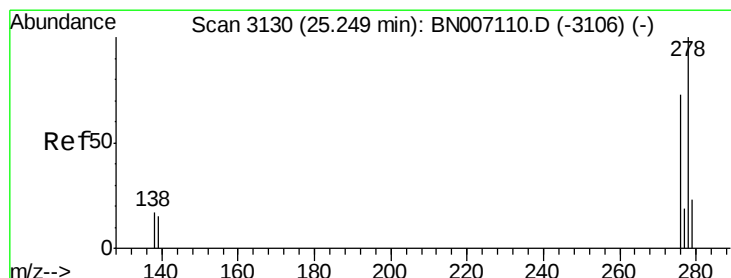
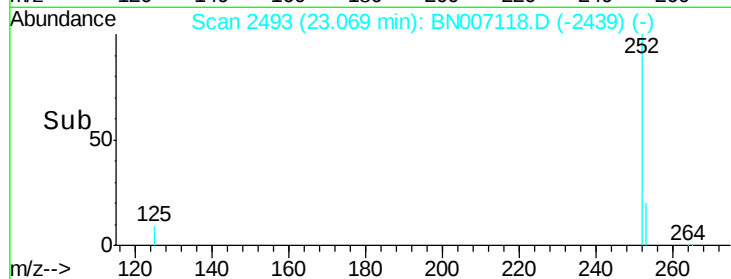
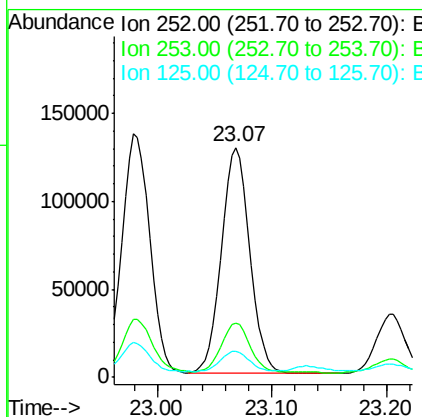
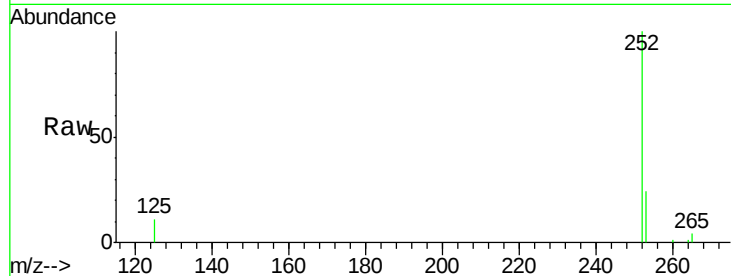
#35
Benzo(a)pyrene
Concen: 1.366 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Instrument :
BNA_N
ClientSampleId :
PST-035-B245-080619

Tot Ion	Ratio	Resp	Lower	Upper
252	100	224124		
253	23.7	18.5	27.7	
125	11.4	8.2	12.4	

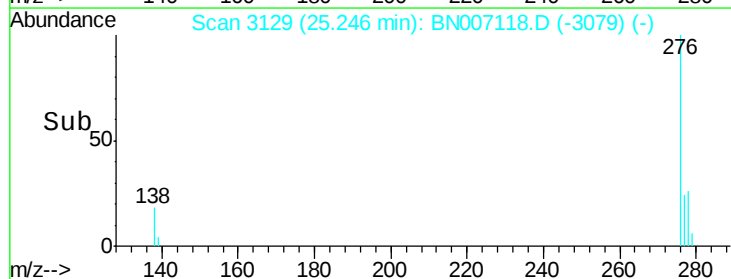
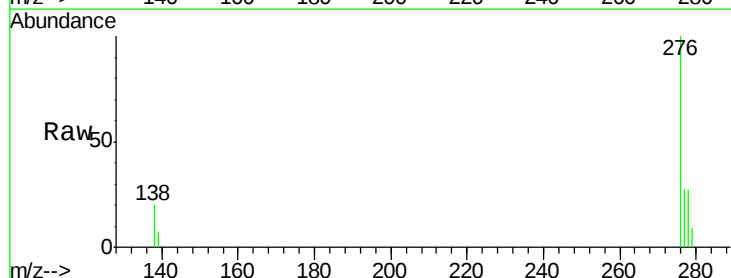
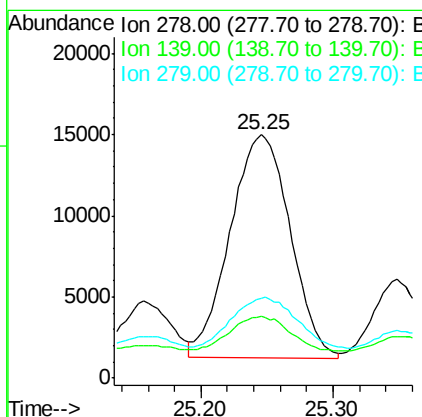
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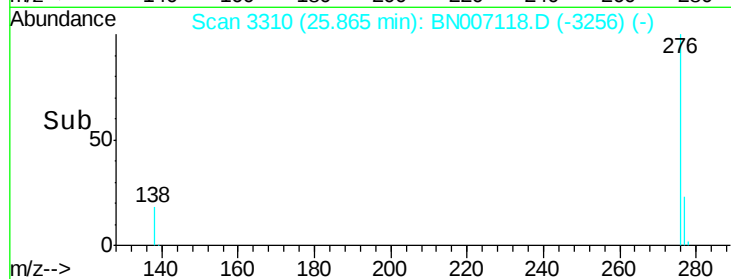
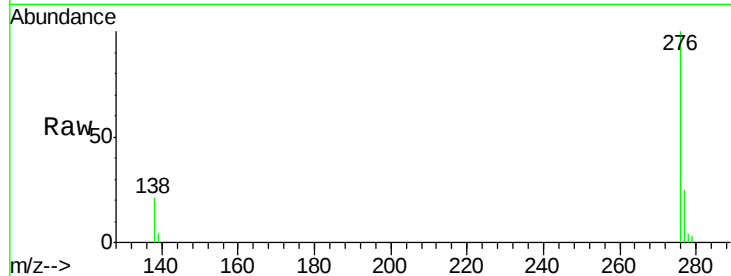
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#36
Dibenzo(a,h)anthracene
Concen: 0.267 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007118.D
Acq: 13 Aug 2019 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	43659		
139	25.3	11.3	16.9#	
279	32.9	19.3	28.9#	





#37
 Benzo(a,h,i)perylene
 Concen: 0.861 ng
 RT: 25.87 min Scan# 3310
 Delta R.T. -0.01 min
 Lab File: BN007118.D
 Acq: 13 Aug 2019 06:55

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.8	29.8
138	20.6	14.6	22.0

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B245-080619

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