

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007106.D
 Acq On : 12 Aug 2019 20:06
 Operator : HP/JU
 Sample : K4143-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-003-SW074-073019

Manual Integrations
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mohammad
 8/14/2019 2:52:04 AM

Quant Time: Aug 13 05:32:27 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	8908	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	33972	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	19925	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	48276	0.40	ng	0.00
26) Chrysene-d12	21.05	240	49219	0.40	ng	-0.01
32) Perylene-d12	23.16	264	53464	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	5740	0.27	ng	0.00
4) Phenol-d6	6.61	99	7848	0.30	ng	0.00
7) Nitrobenzene-d5	8.56	82	6064	0.22	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	14322	0.23	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1992	0.19	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3763	0.13	ng	0.00
24) Fluoranthene-d10	18.87	212	35963	0.21	ng	0.00
28) Terphenyl-d14	19.49	244	27662	0.21	ng	-0.01

Target Compounds

						Qvalue
11) 2-Methylnaphthalene	11.86	142	1642	0.024	ng	# 87
15) Acenaphthylene	13.79	152	8006	0.077	ng	97
22) Phenanthrene	16.87	178	65787	0.455	ng	100
23) Anthracene	16.95	178	9794	0.074	ng	# 92
25) Fluoranthene	18.90	202	239283	1.293	ng	100
27) Pyrene	19.26	202	211744	1.227	ng	# 96
29) Benzo(a)anthracene	21.02	228	112584	0.625	ng	96
30) Chrysene	21.08	228	146885	0.840	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	97001	0.503	ng	98
33) Benzo(b)fluoranthene	22.54	252	209524	1.143	ng	99
34) Benzo(k)fluoranthene	22.58	252	68923m	0.381	ng	
35) Benzo(a)pyrene	23.07	252	121646	0.732	ng	100
36) Dibenzo(a,h)anthracene	25.25	278	24054	0.145	ng	# 84
37) Benzo(g,h,i)perylene	25.86	276	99385	0.583	ng	99

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

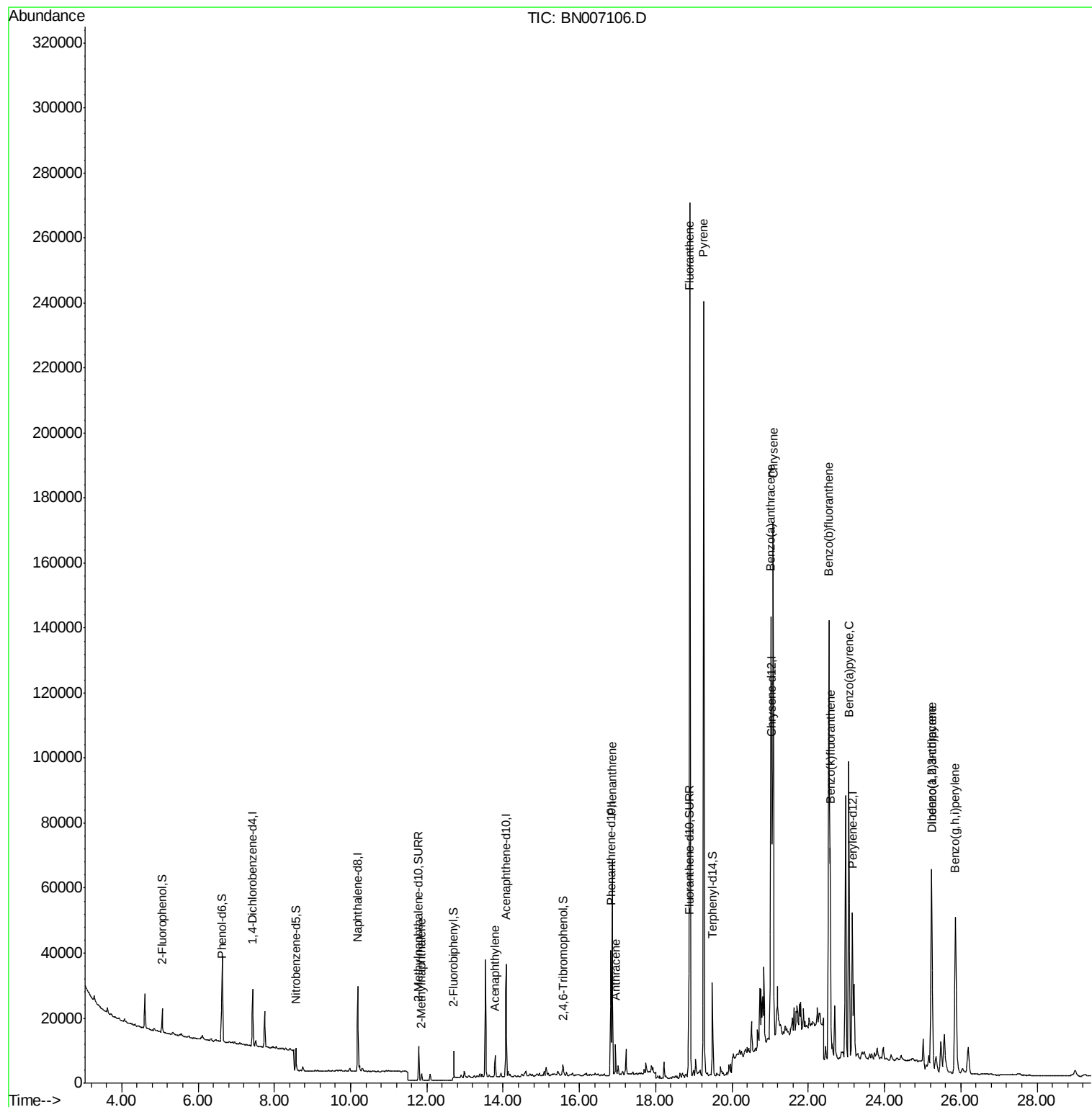
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007106.D
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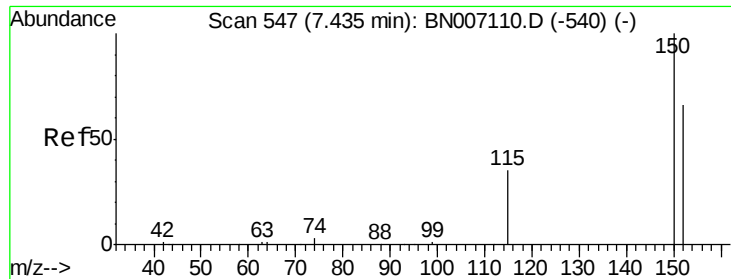
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Quant Time: Aug 13 05:32:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

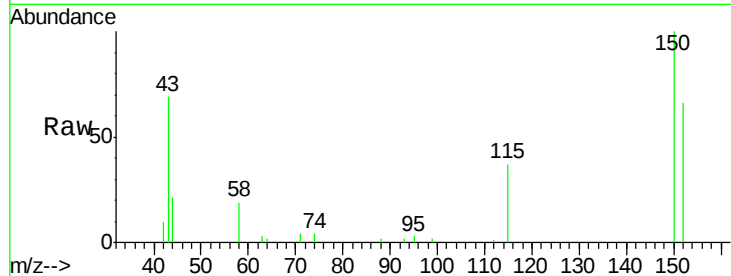
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW074-073019

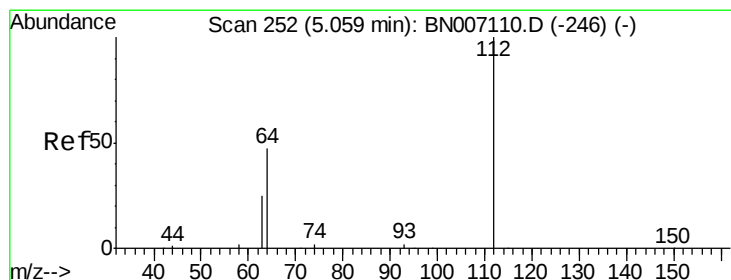
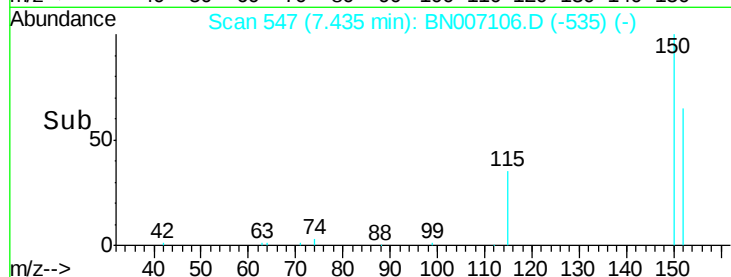
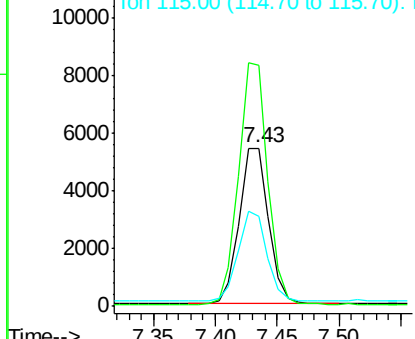
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	121.7	182.5
115	56.8	46.2	69.4

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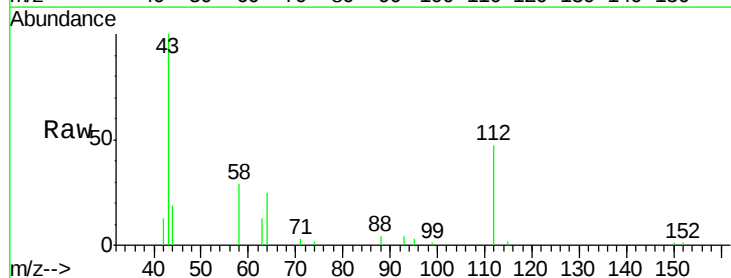
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



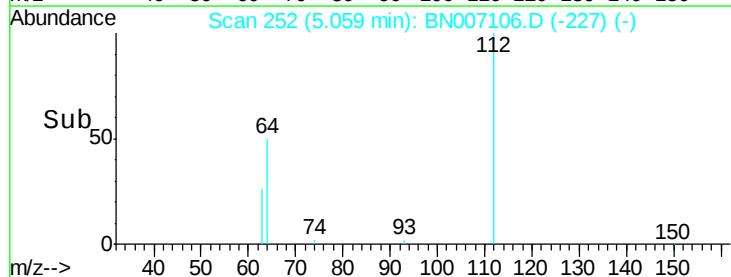
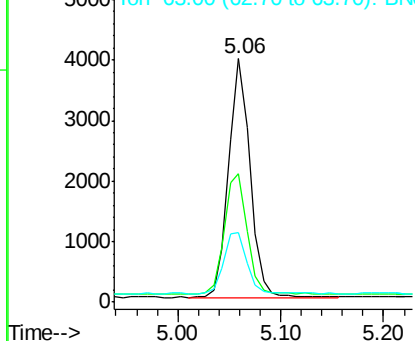
#3

2-Fluorophenol
Concen: 0.268 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.6	63.8
63	26.9	22.2	33.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#4

Phenol-d6

Concen: 0.296 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007106.D

Acq: 12 Aug 2019 20:06

Instrument :

BNA_N

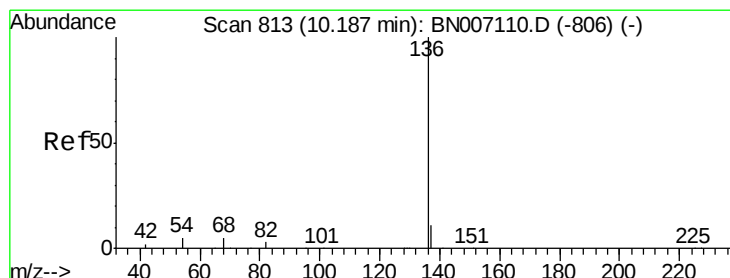
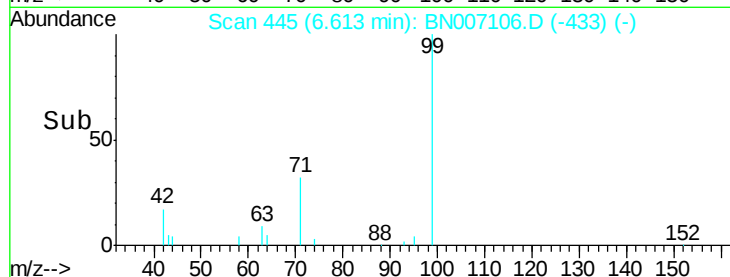
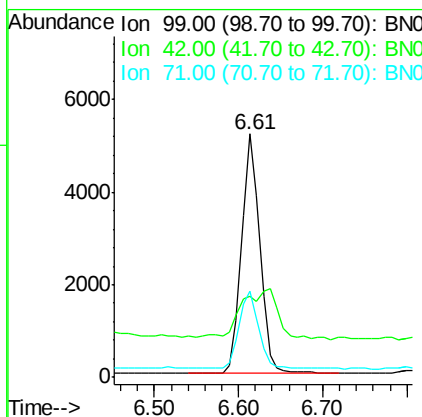
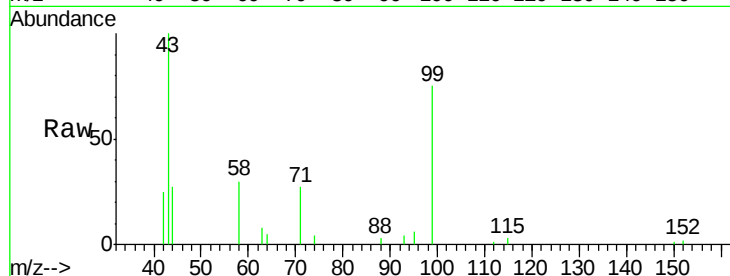
ClientSampleId :

EXT-003-SW074-073019

Tot Ion:	99	Resp:	7848
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	33.2	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

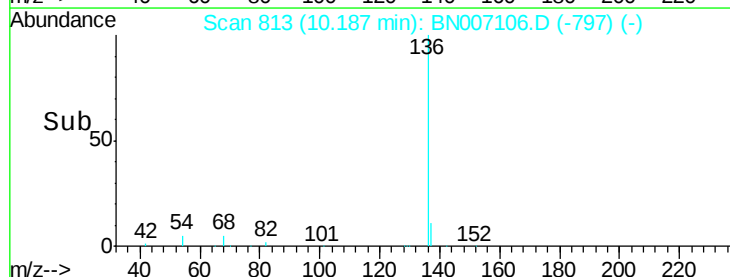
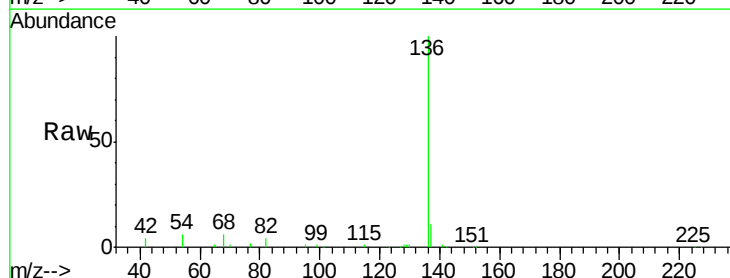
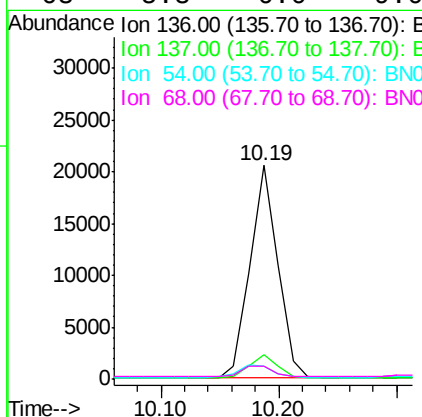
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007106.D

Acq: 12 Aug 2019 20:06

Tgt Ion:	136	Resp:	33972
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	6.1	6.6	9.8#
68	5.8	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.221 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007106.D

Acq: 12 Aug 2019 20:06

Instrument :

BNA_N

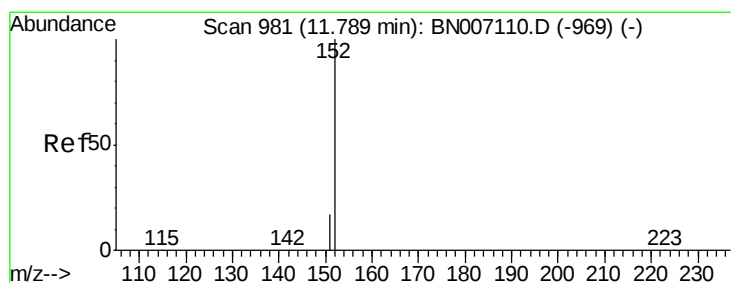
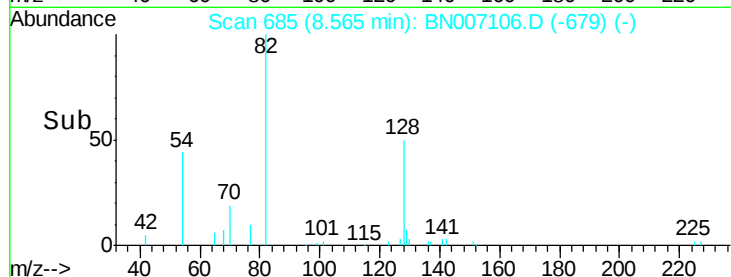
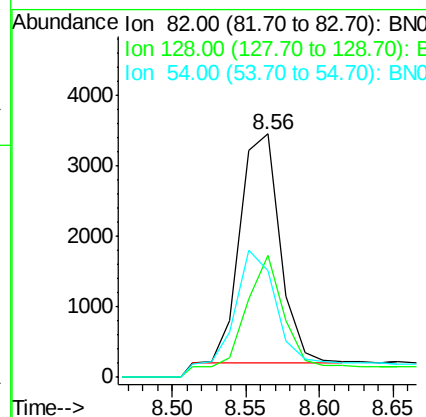
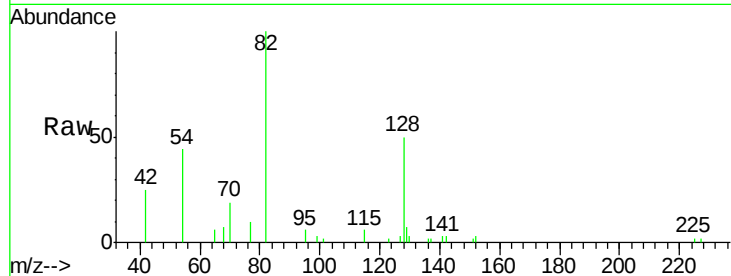
ClientSampleId :

EXT-003-SW074-073019

Tot Ion:	82	Resp:	6064
Ion Ratio	Lower	Upper	
82	100		
128	50.3	34.6	51.8
54	43.9	36.2	54.4

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#10

2-Methylnaphthalene-d10

Concen: 0.226 ng

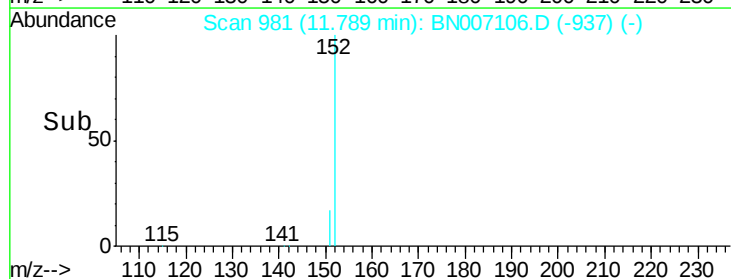
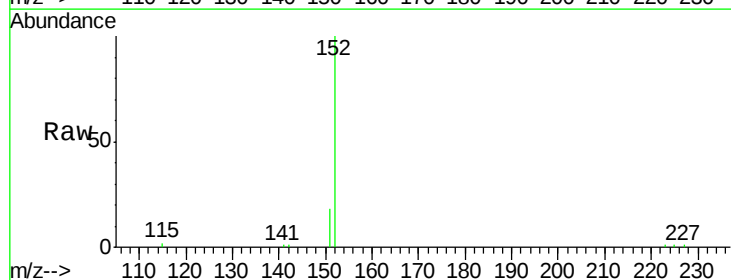
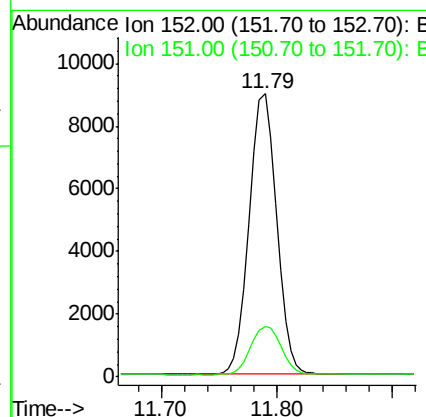
RT: 11.79 min Scan# 981

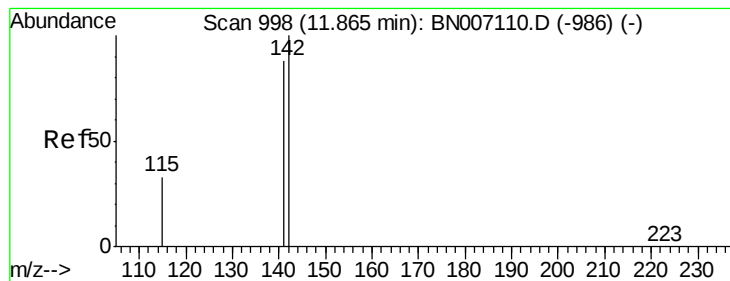
Delta R.T. -0.00 min

Lab File: BN007106.D

Acq: 12 Aug 2019 20:06

Tgt Ion:	152	Resp:	14322
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.5	23.3





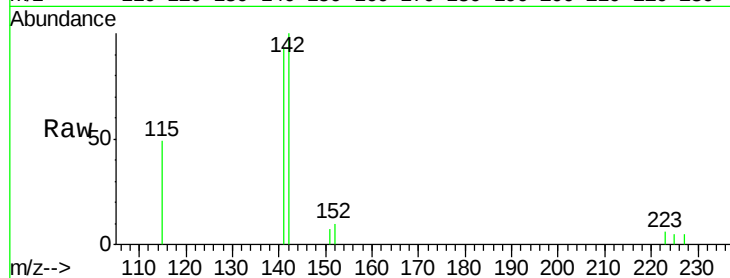
#11
2-Methylnaphthalene
Concen: 0.024 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW074-073019

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.3	69.0	103.6
115	48.8	27.1	40.7

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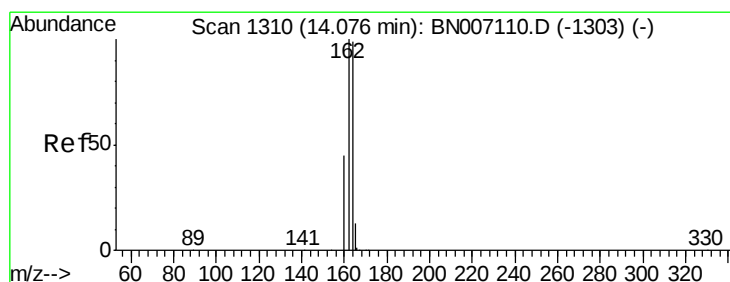
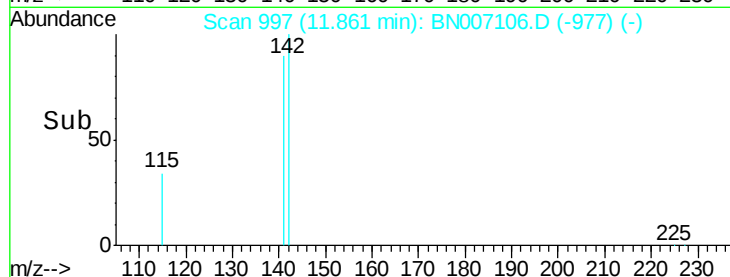
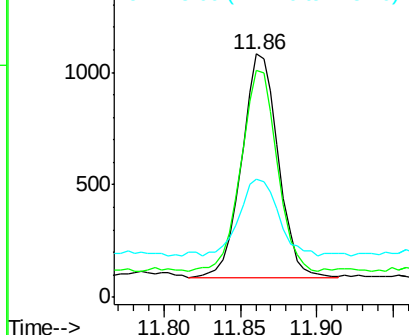


Abundance

Ion 142.00 (141.70 to 142.70): E

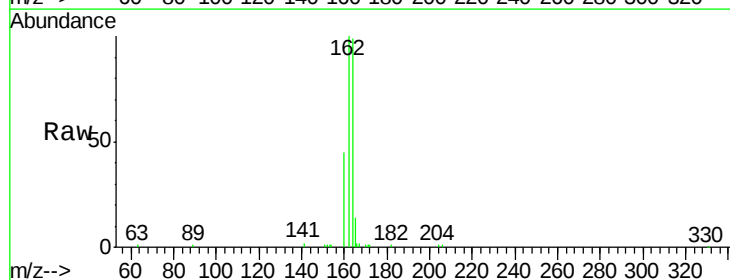
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.2	123.4
160	45.6	38.3	57.5

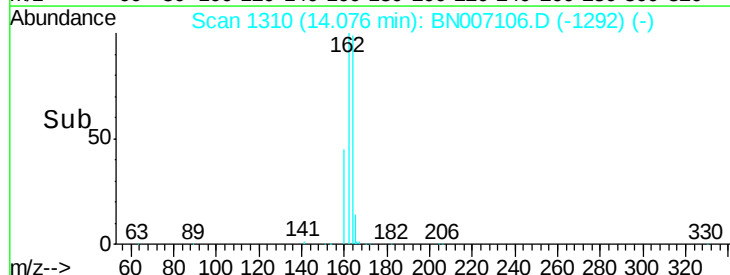
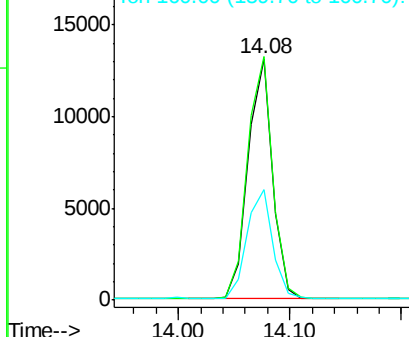


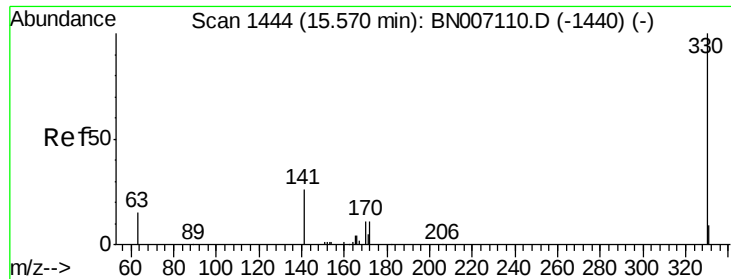
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





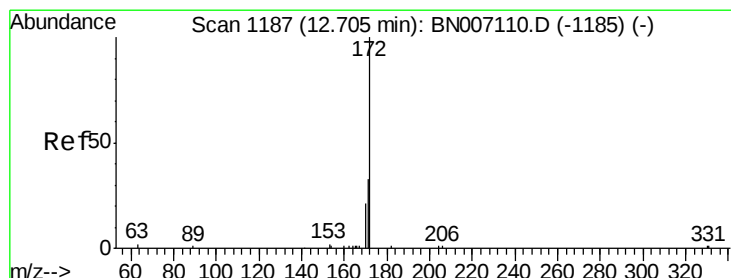
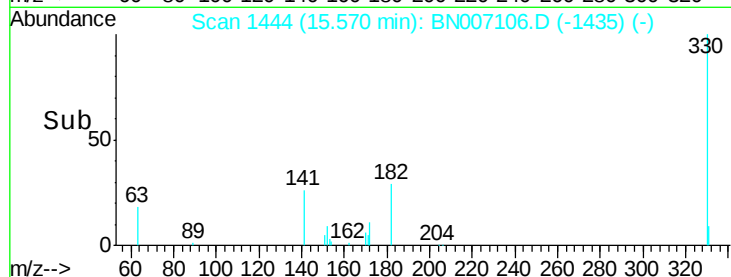
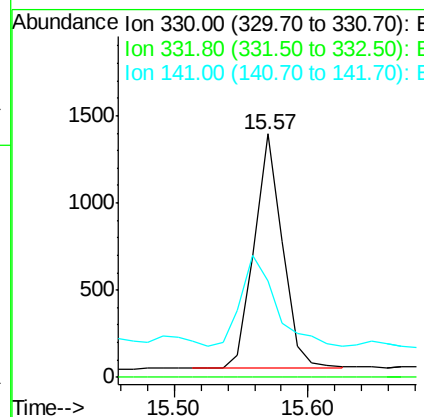
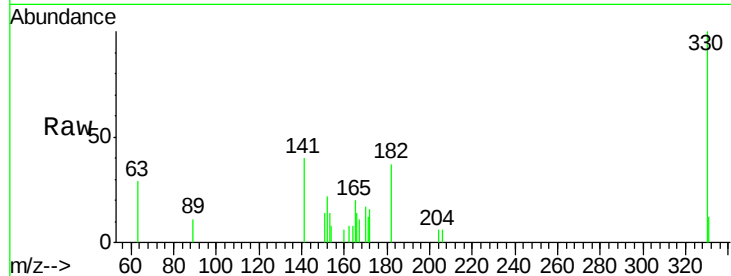
#13
 2,4,6-Tribromophenol
 Concen: 0.186 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007106.D
 Acq: 12 Aug 2019 20:06

Instrument :
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 EXT-003-SW074-073019

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	48.0	33.6	50.4

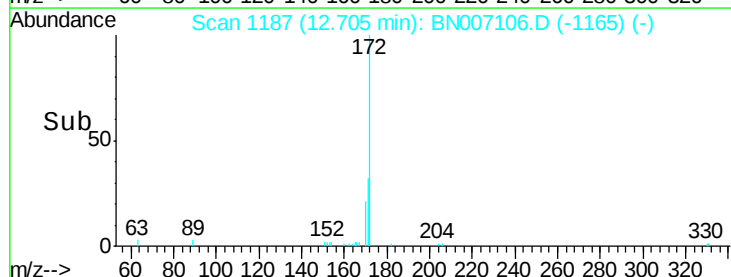
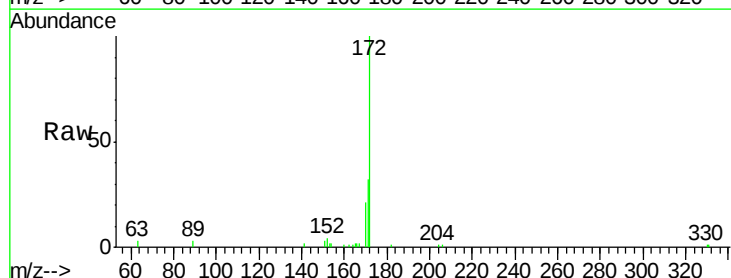
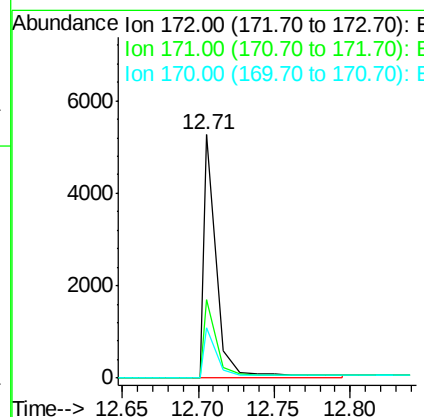
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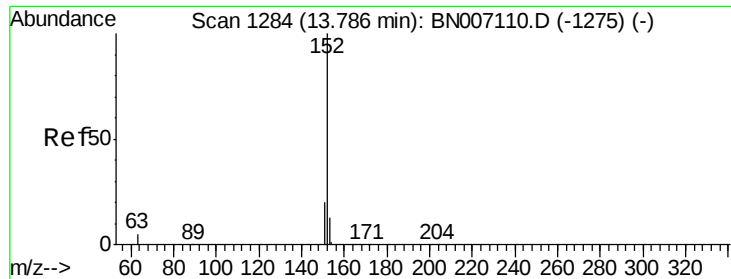
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#14
 2-Fluorobiphenyl
 Concen: 0.130 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007106.D
 Acq: 12 Aug 2019 20:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.4	26.3	39.5
170	20.9	17.0	25.4





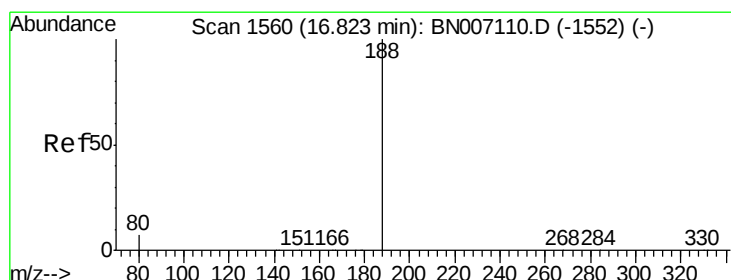
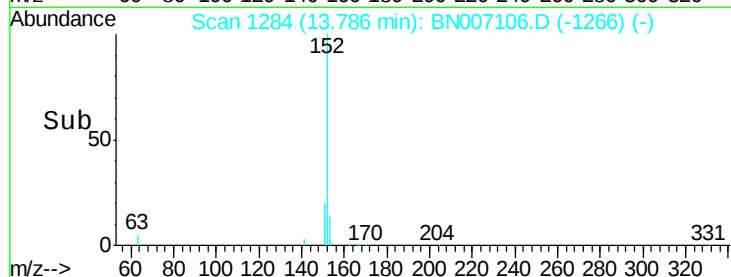
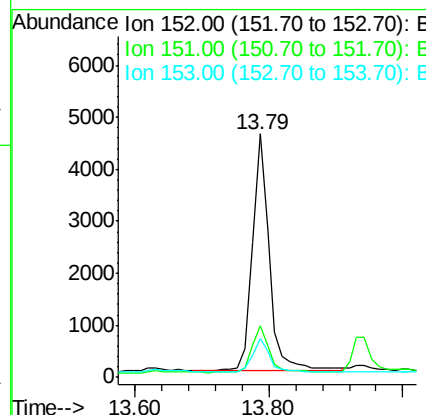
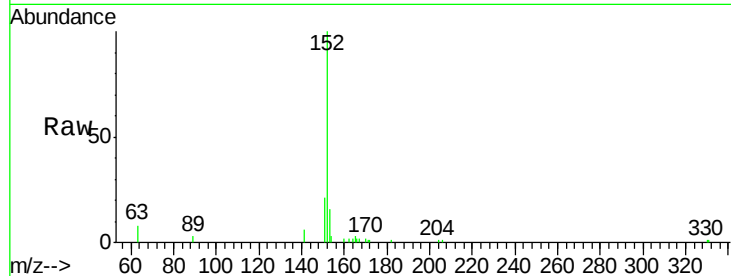
#15
Acenaphthylene
Concen: 0.077 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Instrument :
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ClientSampleId :
EXT-003-SW074-073019

Tot Ion:	152	Resp:	8006
Ion Ratio	Lower	Upper	
152	100		
151	20.9	15.8	23.6
153	14.0	10.4	15.6

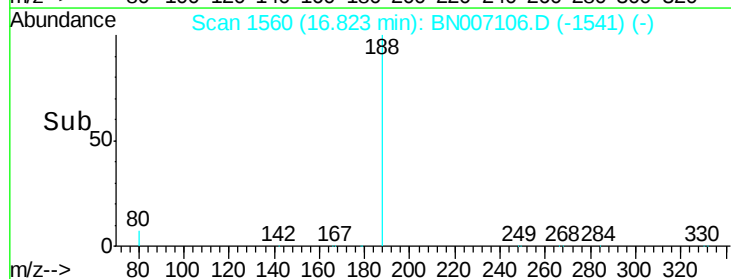
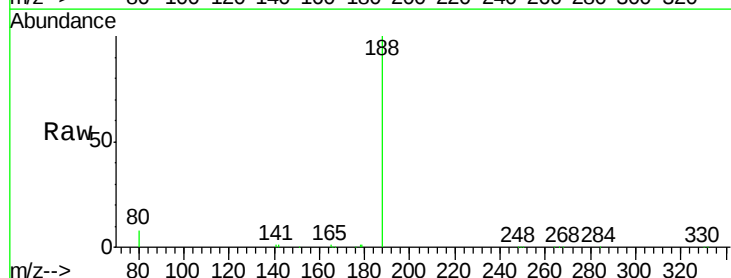
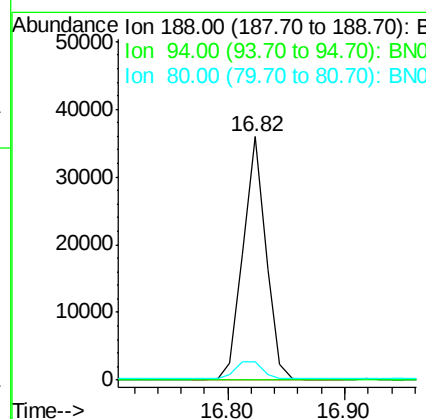
Manual Integrations
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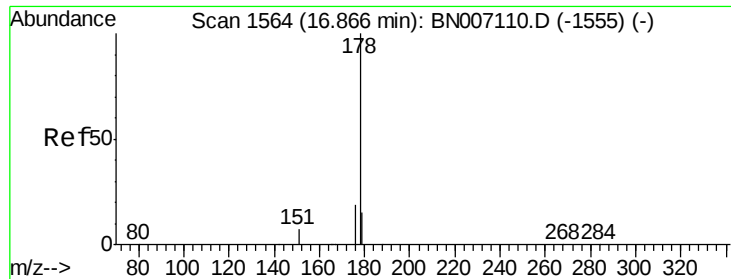
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#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Tgt Ion:	188	Resp:	48276
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.6	7.8	11.6





#22

Phenanthrene

Concen: 0.455 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007106.D

Acq: 12 Aug 2019 20:06

Instrument :

BNA_N

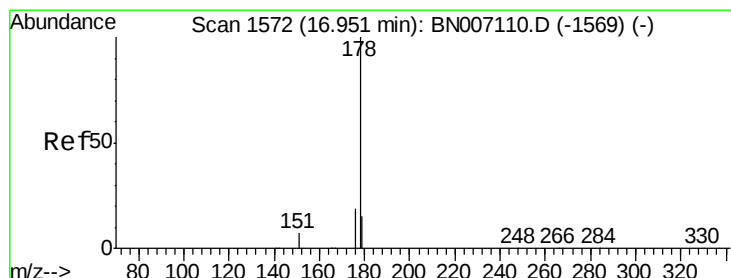
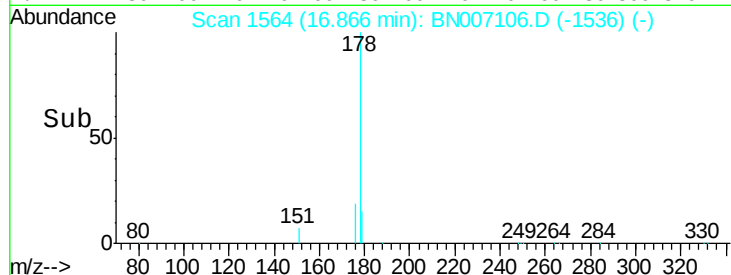
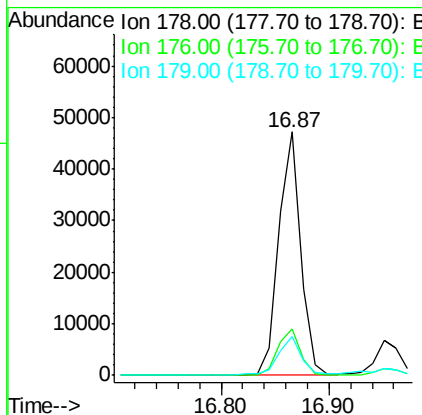
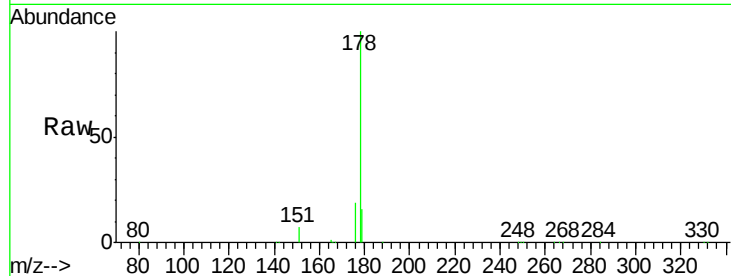
ClientSampleId :

EXT-003-SW074-073019

Tot Ion:178	Resp:	65787
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.2 22.8
179	15.5	12.3 18.5

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#23

Anthracene

Concen: 0.074 ng

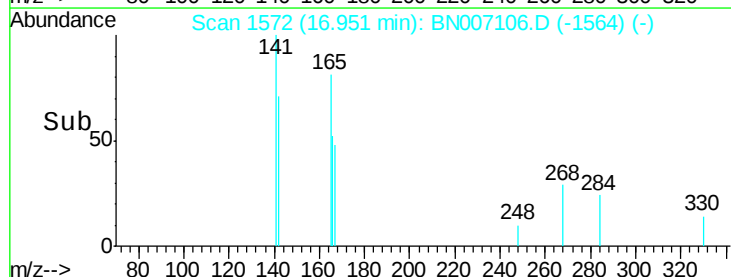
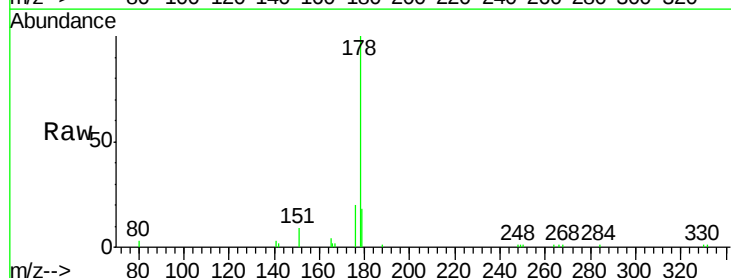
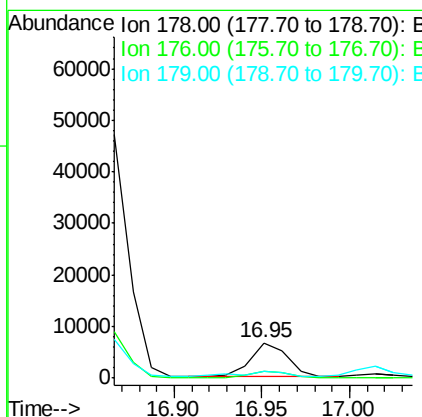
RT: 16.95 min Scan# 1572

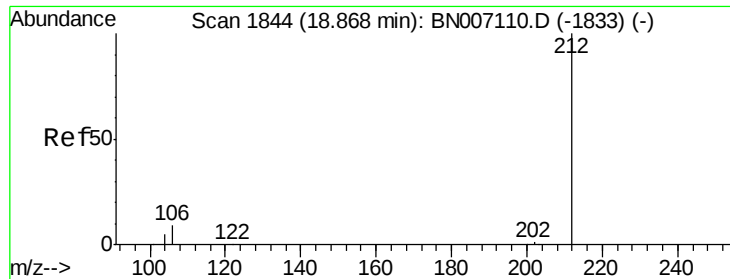
Delta R.T. -0.01 min

Lab File: BN007106.D

Acq: 12 Aug 2019 20:06

Tgt Ion:178	Resp:	9794
Ion Ratio	Lower	Upper
178	100	
176	18.0	14.6 21.8
179	22.6	12.5 18.7#





#24

Fluoranthene-d10

Concen: 0.210 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007106.D

Acq: 12 Aug 2019 20:06

Instrument :

BNA_N

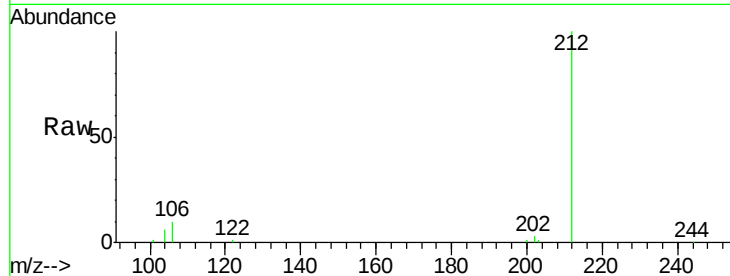
ClientSampleId :

EXT-003-SW074-073019

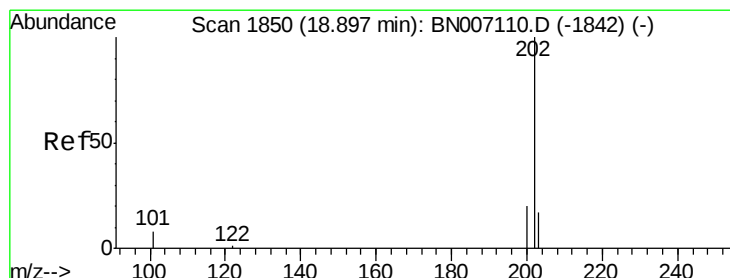
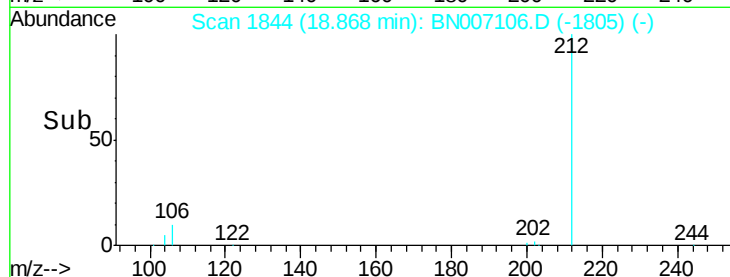
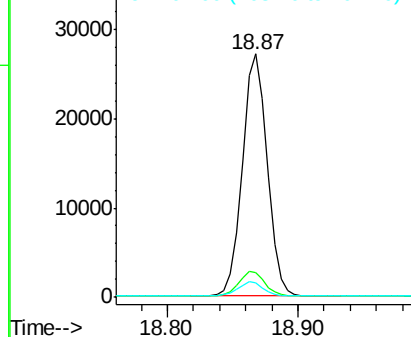
Tot Ion:	212	Resp:	35963
Ion Ratio	Lower	Upper	
212	100		
106	10.3	8.2	12.2
104	6.0	4.5	6.7

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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



#25

Fluoranthene

Concen: 1.293 ng

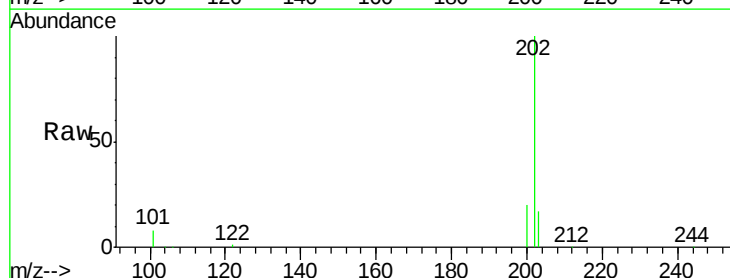
RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

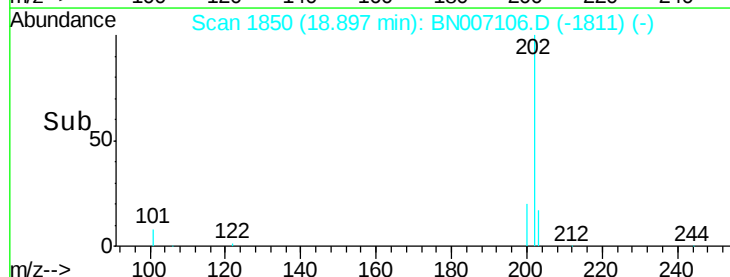
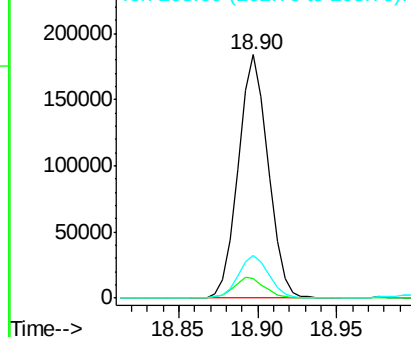
Lab File: BN007106.D

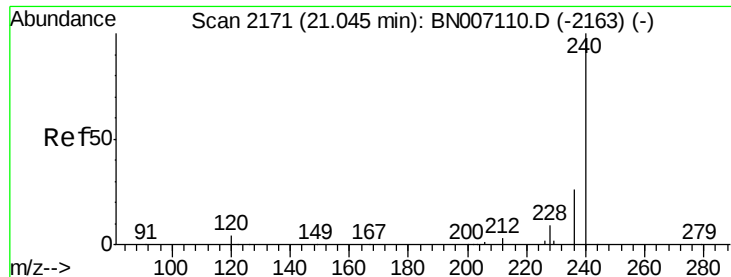
Acq: 12 Aug 2019 20:06

Tgt Ion:	202	Resp:	239283
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.0	10.4
203	17.4	13.8	20.8



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





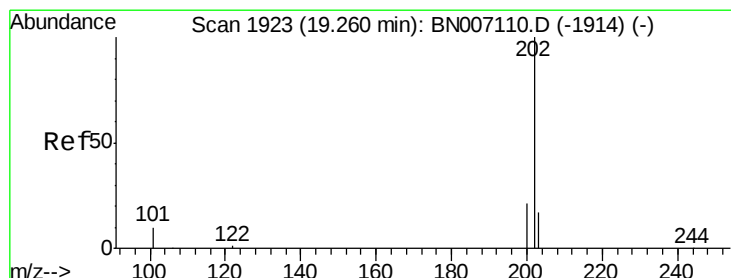
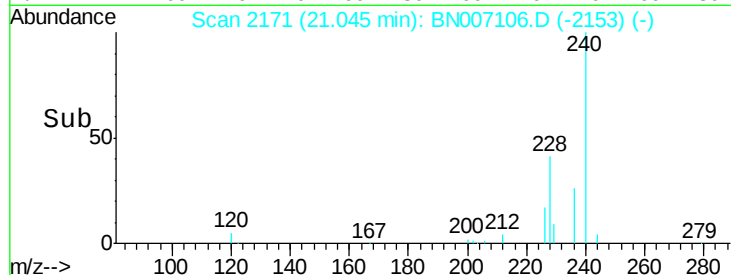
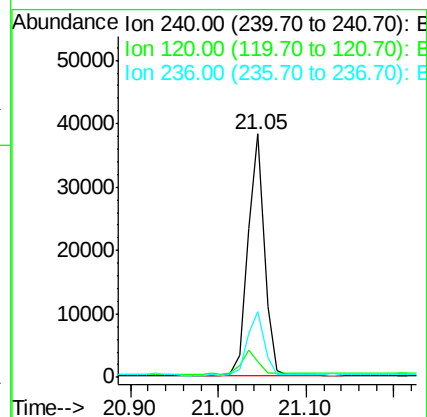
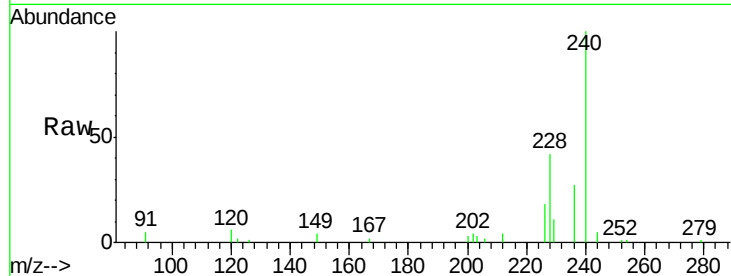
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW074-073019

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.3	4.0	6.0#
236	27.2	21.3	31.9

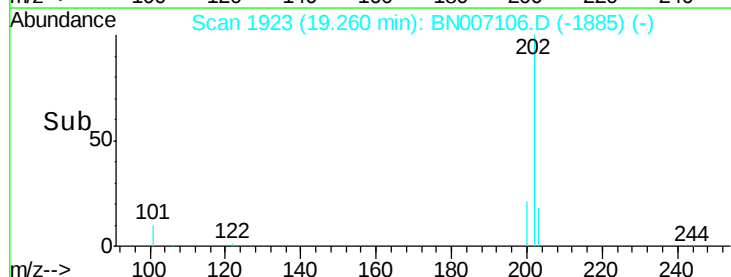
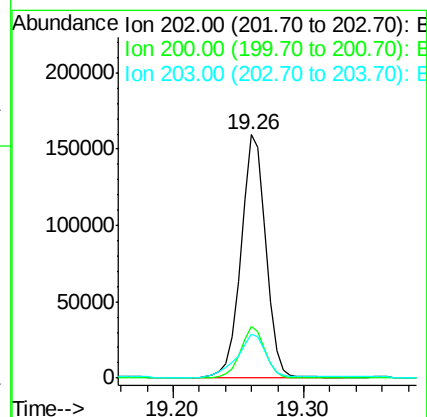
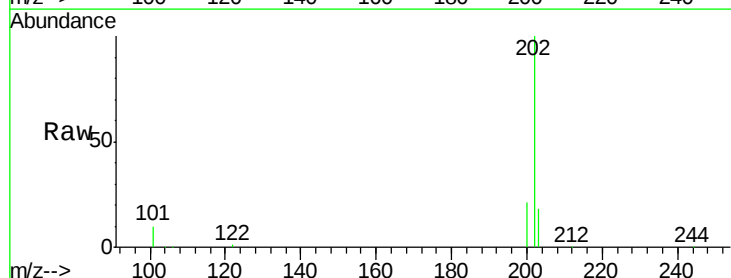
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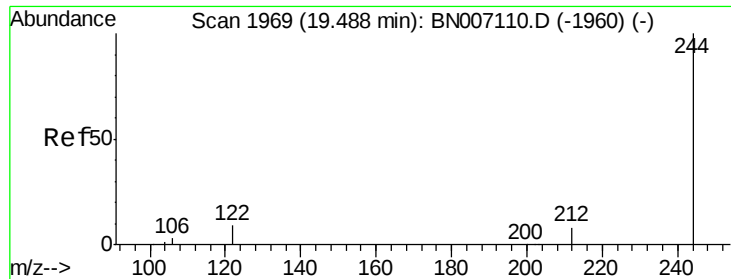
mohammad
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#27
Pyrene
Concen: 1.227 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	21.1	14.0	21.0#





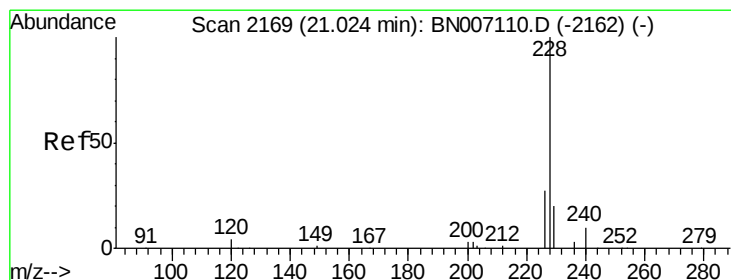
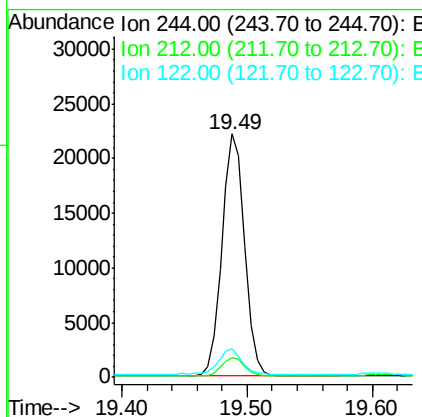
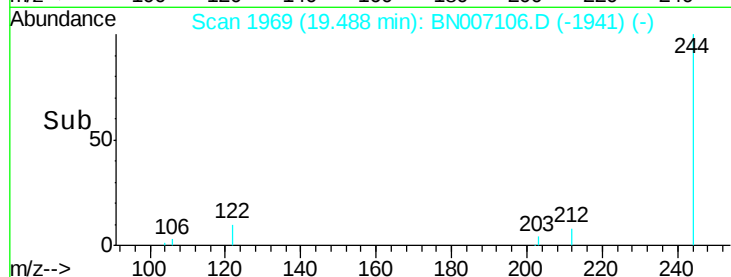
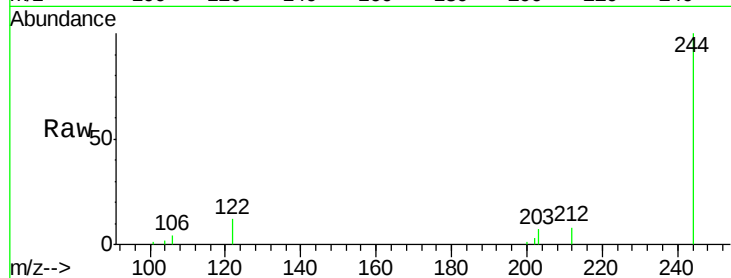
#28
 Terphenyl-d14
 Concen: 0.206 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007106.D
 Acq: 12 Aug 2019 20:06

Instrument :
 BNA_N
 ClientSampleId :
 EXT-003-SW074-073019

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.2
122	11.6	7.4	11.2

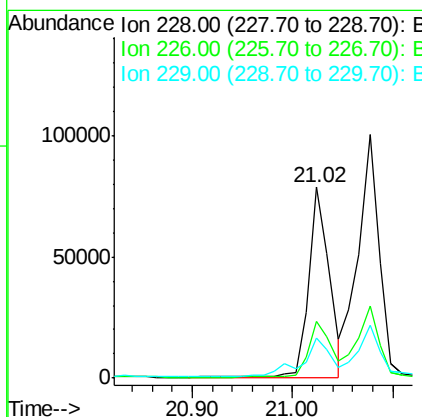
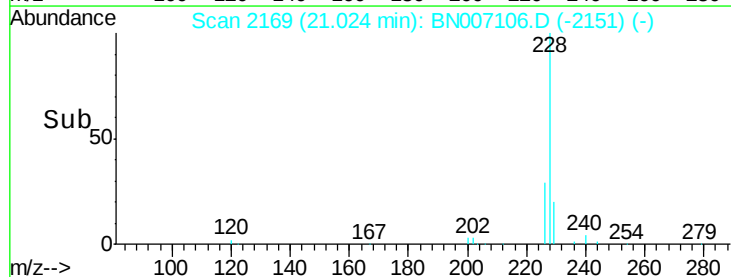
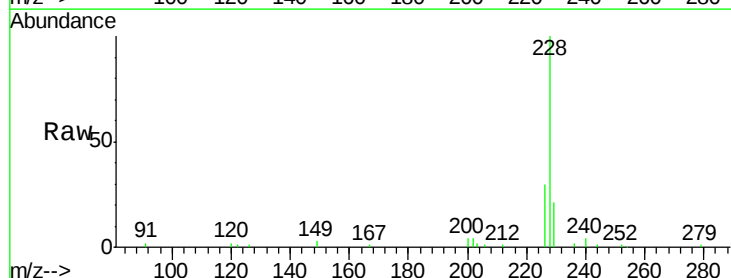
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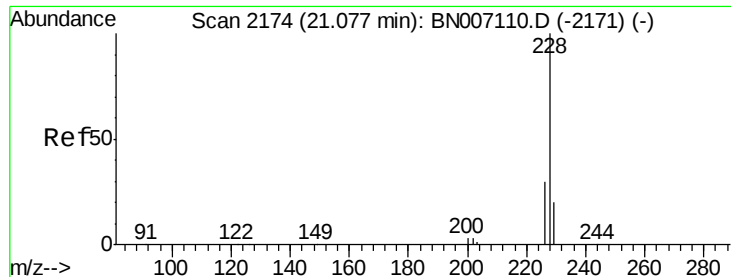
mohammad
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#29
 Benzo(a)anthracene
 Concen: 0.625 ng
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007106.D
 Acq: 12 Aug 2019 20:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.8	32.6
229	20.9	15.6	23.4





#30

Chrysene

Concen: 0.840 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007106.D

Acq: 12 Aug 2019 20:06

Instrument :

BNA_N

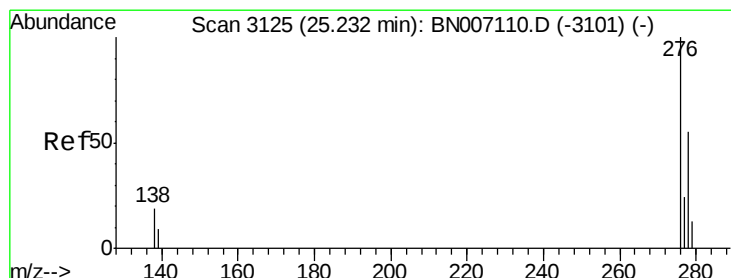
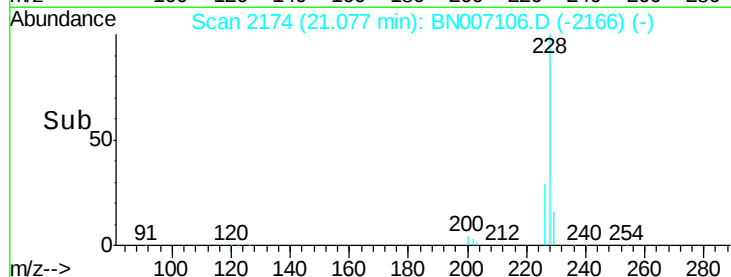
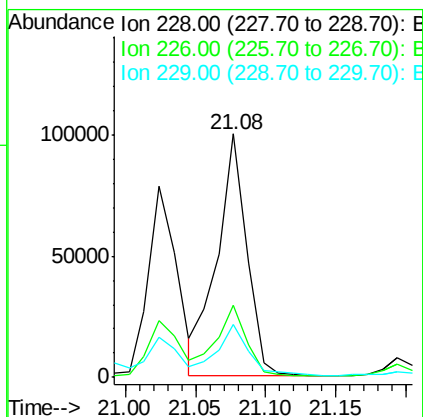
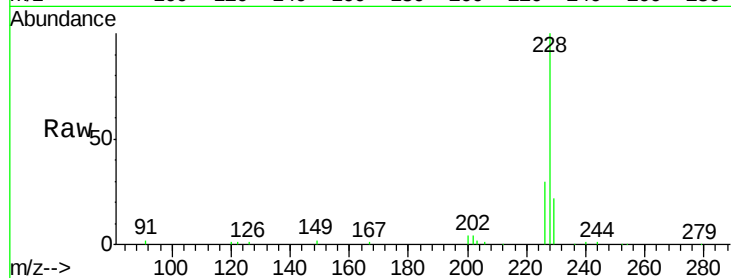
ClientSampleId :

EXT-003-SW074-073019

Tot Ion:228	Resp:	146885
Ion Ratio	Lower	Upper
228 100		
226 29.7	23.8	35.6
229 21.8	15.7	23.5

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#31

Indeno(1,2,3-cd)pyrene

Concen: 0.503 ng

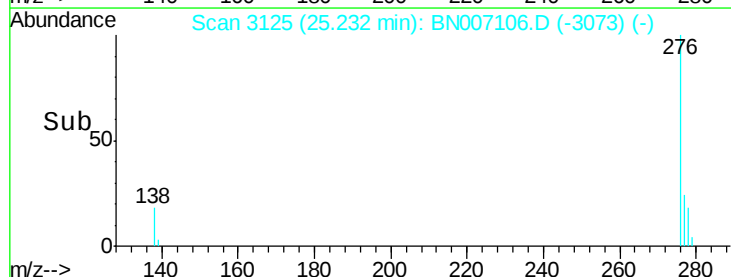
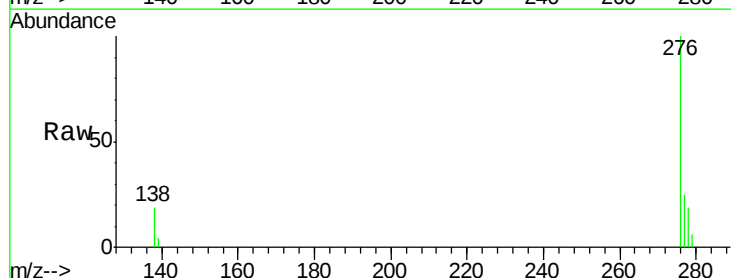
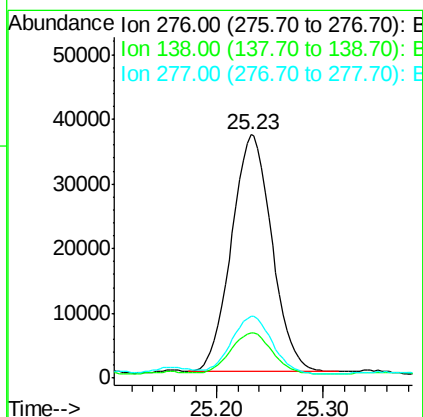
RT: 25.23 min Scan# 3125

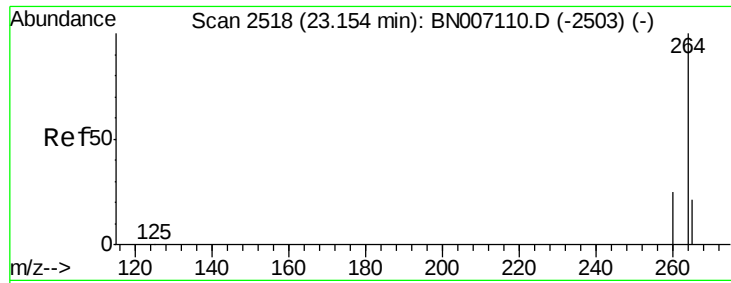
Delta R.T. -0.02 min

Lab File: BN007106.D

Acq: 12 Aug 2019 20:06

Tgt Ion:276	Resp:	97001
Ion Ratio	Lower	Upper
276 100		
138 18.2	16.0	24.0
277 24.8	19.9	29.9





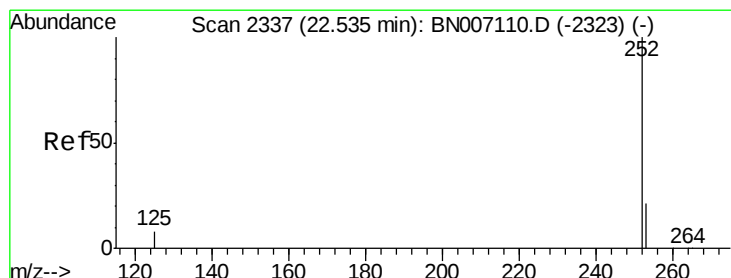
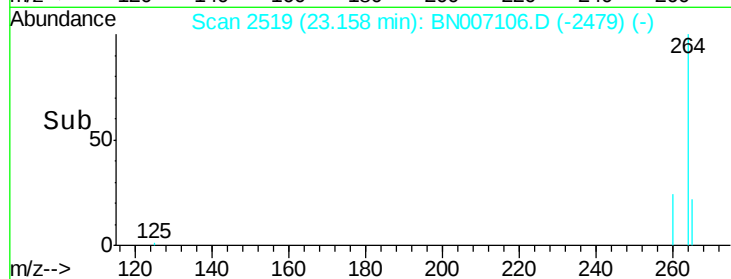
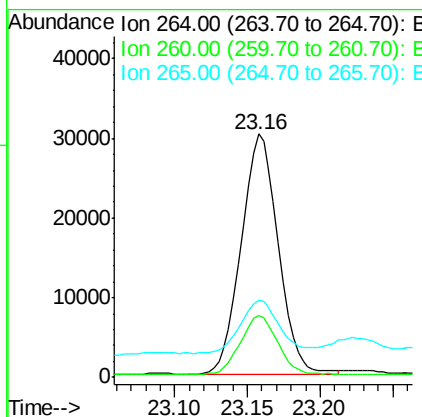
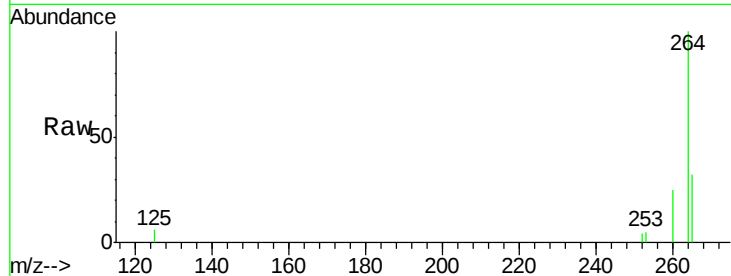
#32
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007106.D
 Acq: 12 Aug 2019 20:06

Instrument :
 BNA_N
 ClientSampleId :
 EXT-003-SW074-073019

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.8	29.8
265	31.6	26.2	39.4

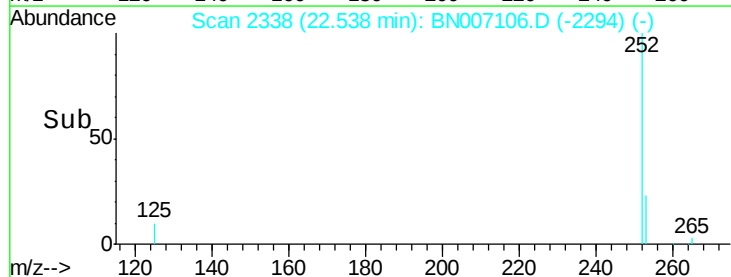
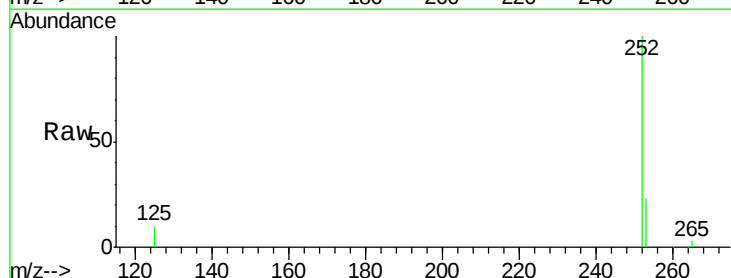
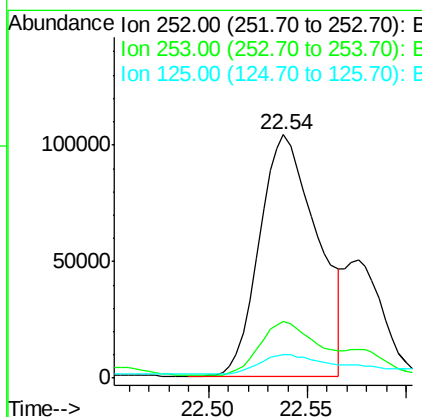
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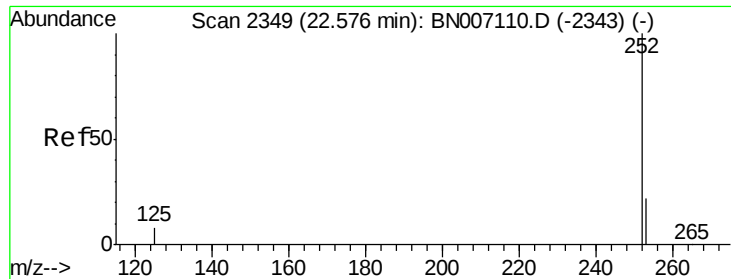
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#33
 Benzo(b)fluoranthene
 Concen: 1.143 ng
 RT: 22.54 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: BN007106.D
 Acq: 12 Aug 2019 20:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.7	7.4	11.0





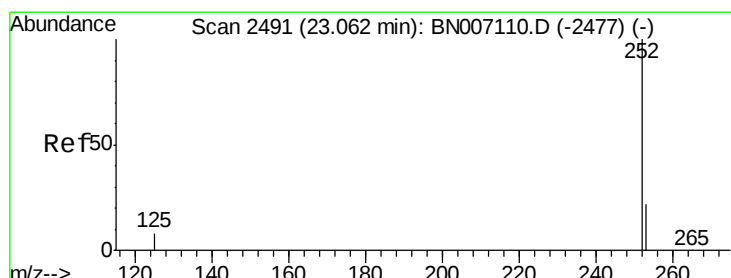
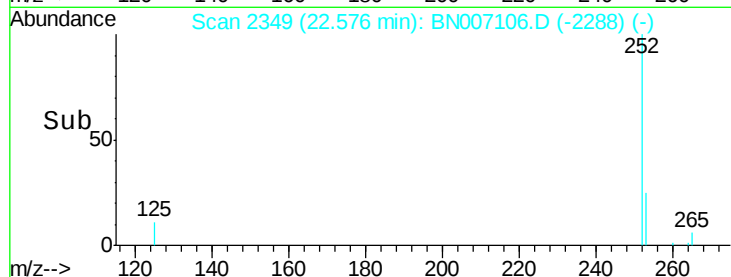
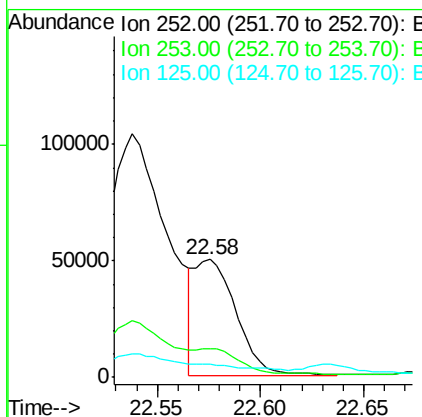
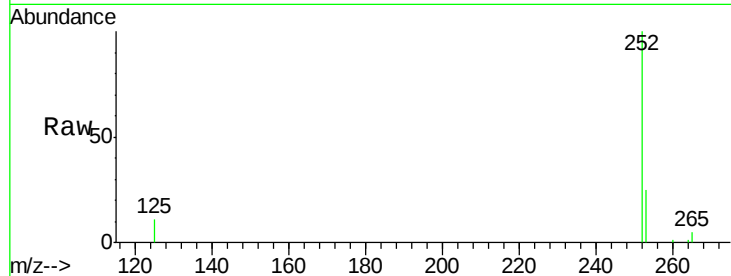
#34
Benzo(k)fluoranthene
Concen: 0.381 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW074-073019

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	10.9	7.4	11.0

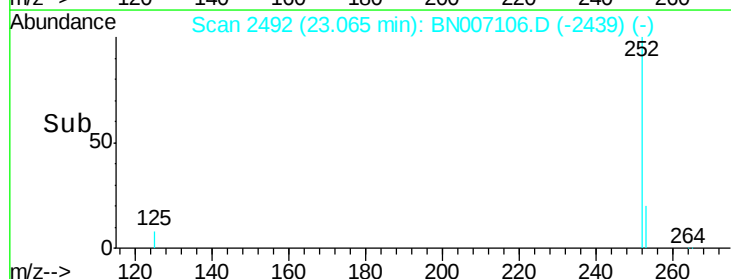
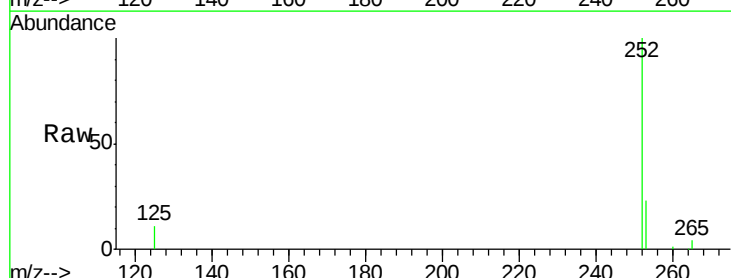
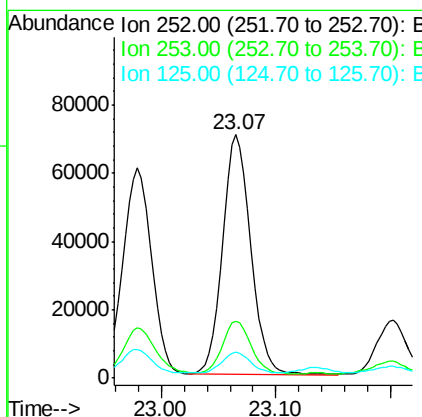
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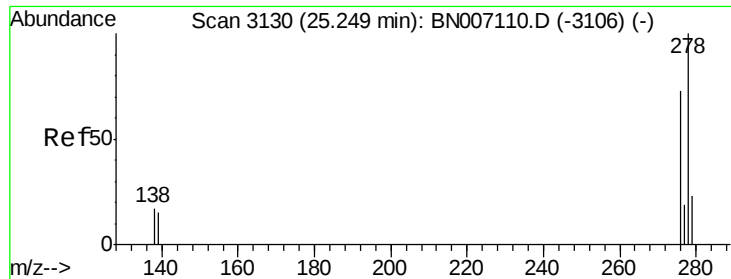
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#35
Benzo(a)pyrene
Concen: 0.732 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	10.5	8.2	12.4





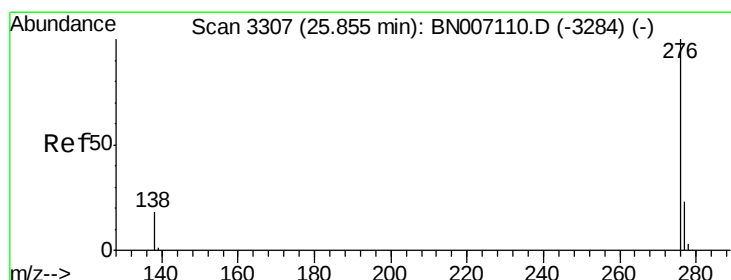
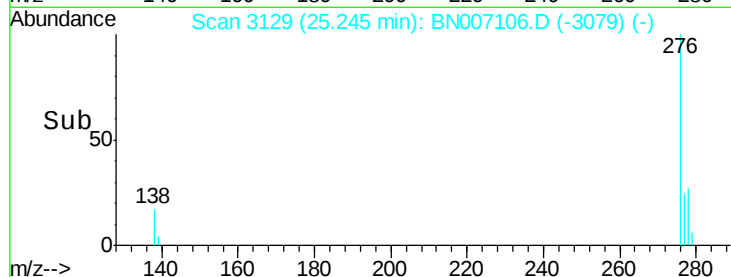
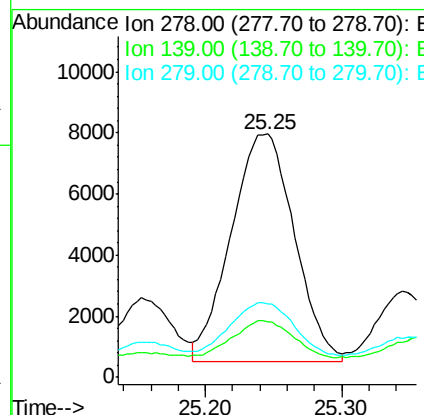
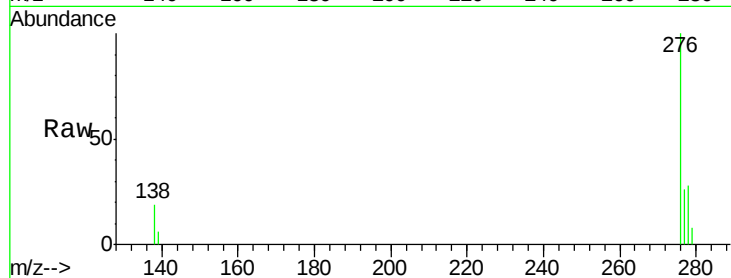
#36
Dibenzo(a,h)anthracene
Concen: 0.145 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Instrument :
BNA_N
ClientSampleId :
EXT-003-SW074-073019

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.8	11.3	16.9#
279	30.1	19.3	28.9#

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#37
Benzo(g,h,i)perylene
Concen: 0.583 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007106.D
Acq: 12 Aug 2019 20:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	19.5	14.6	22.0

