

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007107.D
 Acq On : 12 Aug 2019 20:42
 Operator : HP/JU
 Sample : K4144-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW108-073119

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:52:08 AM

Quant Time: Aug 13 05:39:30 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	8585	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	32891	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	19956	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	48483	0.40	ng	0.00
26) Chrysene-d12	21.04	240	47724	0.40	ng	-0.01
32) Perylene-d12	23.16	264	53953	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	5858	0.28	ng	0.00
4) Phenol-d6	6.61	99	7970	0.31	ng	0.00
7) Nitrobenzene-d5	8.56	82	6504	0.25	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	15075	0.25	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2340	0.22	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4007	0.14	ng	0.00
24) Fluoranthene-d10	18.87	212	40664	0.24	ng	0.00
28) Terphenyl-d14	19.49	244	32863	0.25	ng	-0.01

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	10890	0.118	ng	97
11) 2-Methylnaphthalene	11.86	142	8179	0.125	ng	95
15) Acenaphthylene	13.79	152	95097	0.912	ng	99
16) Acenaphthene	14.13	154	5797	0.087	ng	# 93
17) Fluorene	15.13	166	13553	0.136	ng	# 76
22) Phenanthrene	16.87	178	260756	1.795	ng	100
23) Anthracene	16.95	178	84904	0.640	ng	98
25) Fluoranthene	18.90	202	571612	3.075	ng	99
27) Pyrene	19.26	202	656343	3.922	ng	98
29) Benzo(a)anthracene	21.02	228	322041	1.845	ng	92
30) Chrysene	21.08	228	401512	2.368	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	246777	1.320	ng	99
33) Benzo(b)fluoranthene	22.54	252	478876	2.588	ng	99
34) Benzo(k)fluoranthene	22.58	252	157109m	0.860	ng	
35) Benzo(a)pyrene	23.07	252	334164	1.992	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	67894	0.406	ng	# 87
37) Benzo(a,h,i)perylene	25.86	276	270743	1.573	ng	99

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

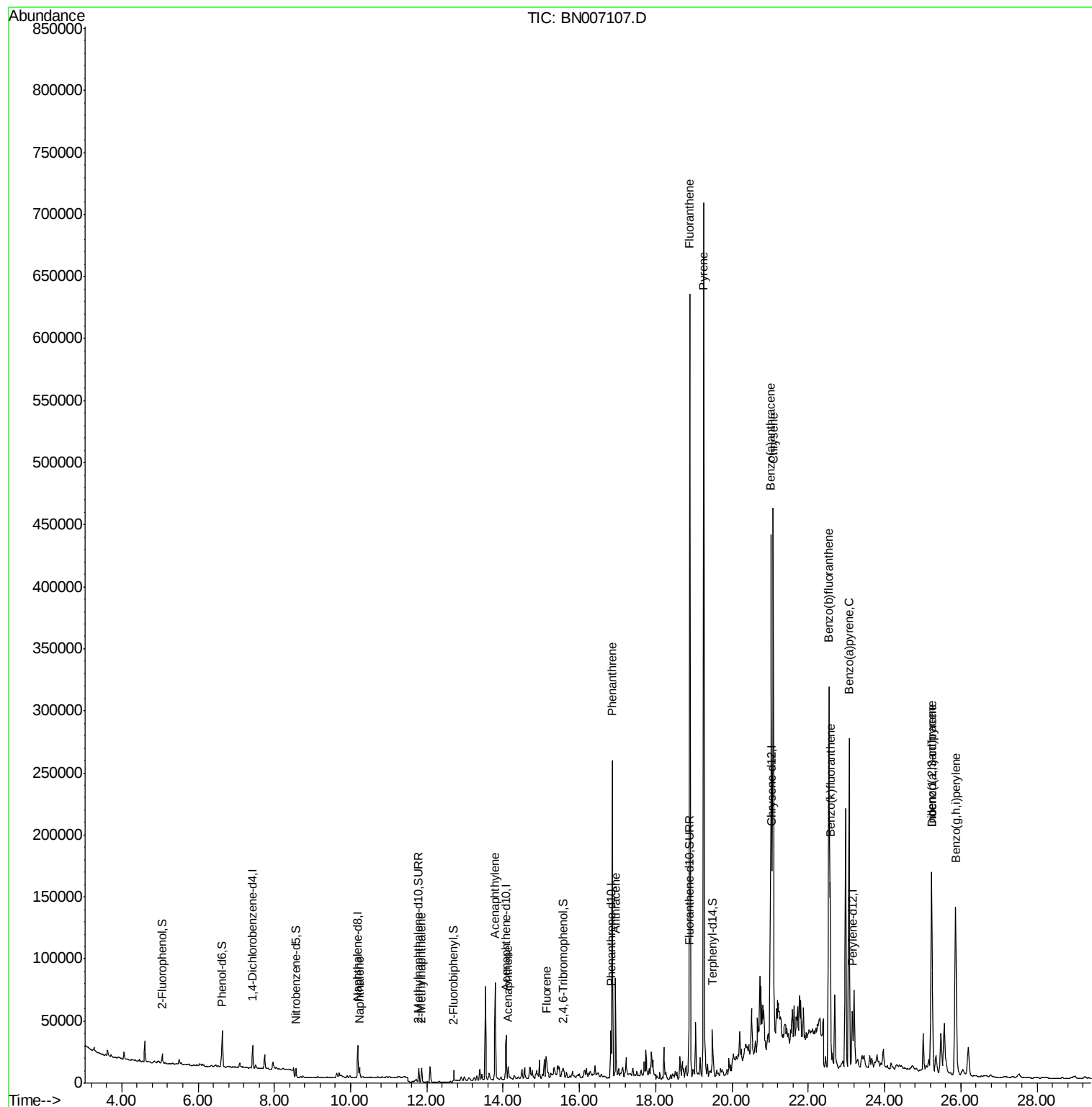
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007107.D
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Quant Time: Aug 13 05:39:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

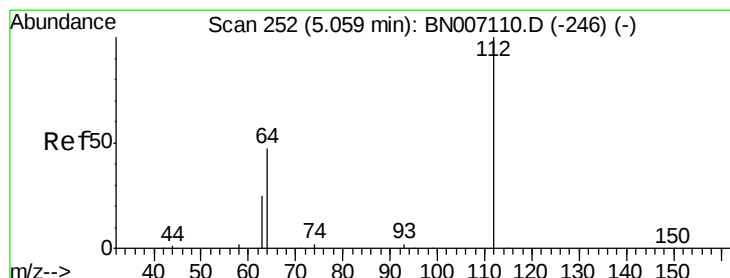
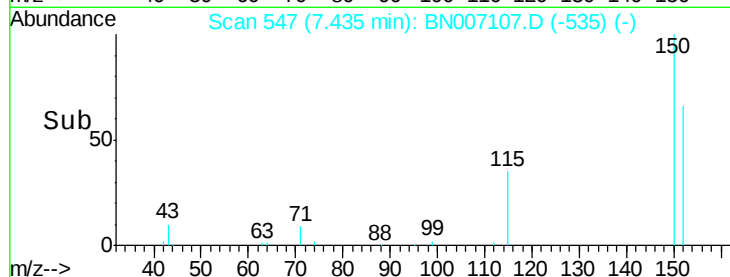
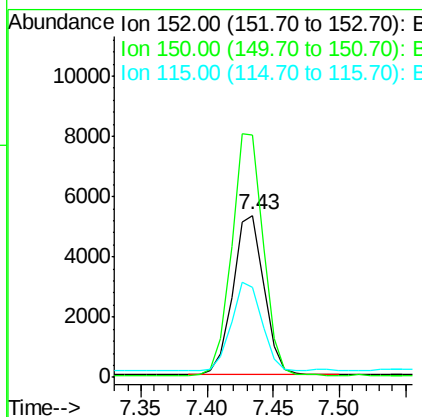
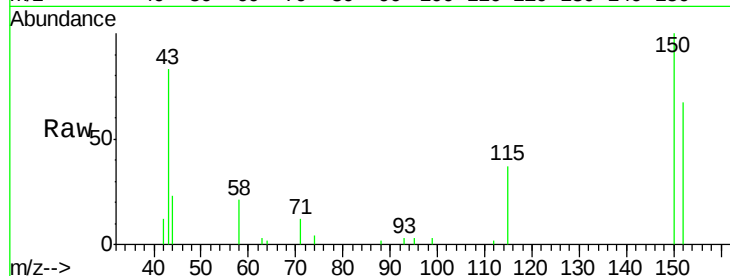
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW108-073119

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	121.7	182.5
115	56.0	46.2	69.4

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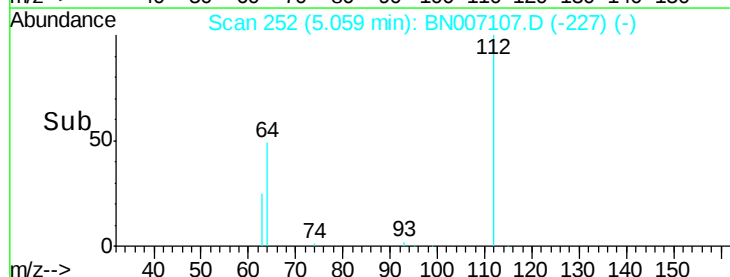
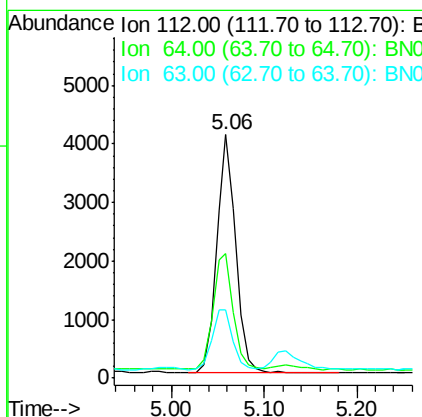
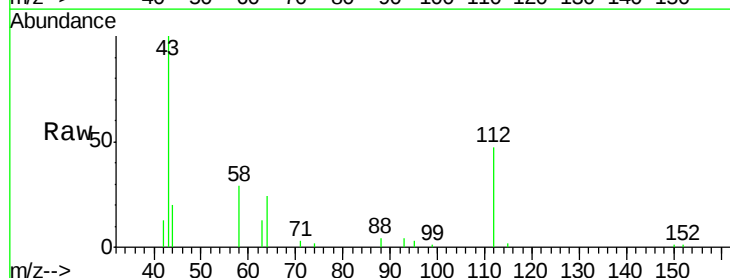
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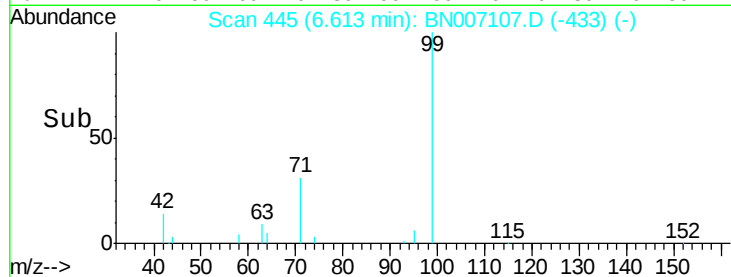
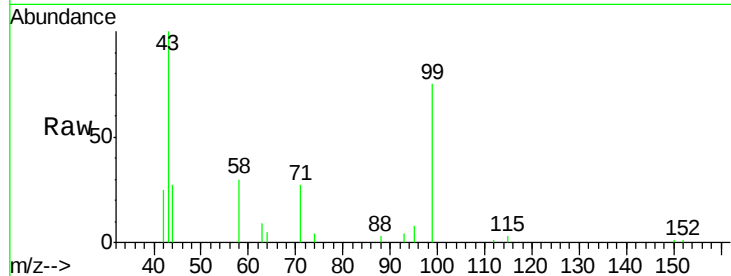
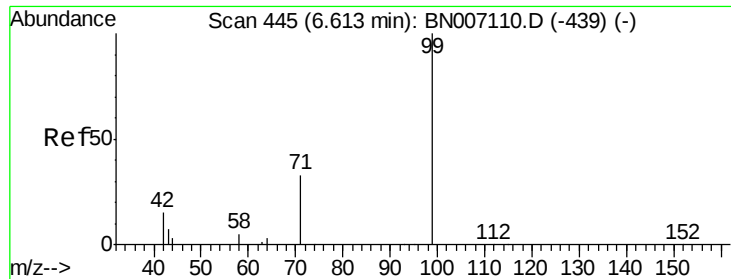


#3

2-Fluorophenol
Concen: 0.284 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	42.6	63.8
63	27.1	22.2	33.2





#4

Phenol-d6

Concen: 0.312 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Tot Ion:	99	Resp:	7970
Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	40.4	27.0	40.4

Instrument :

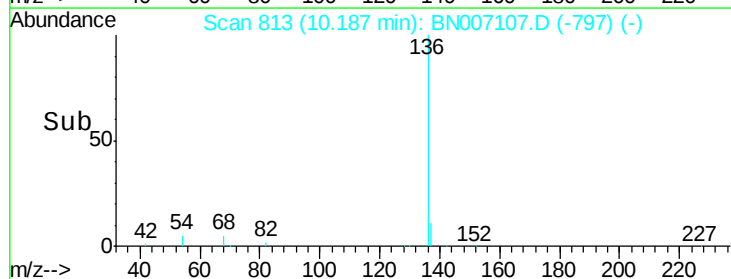
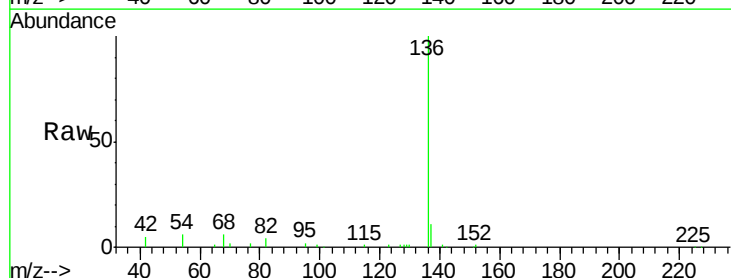
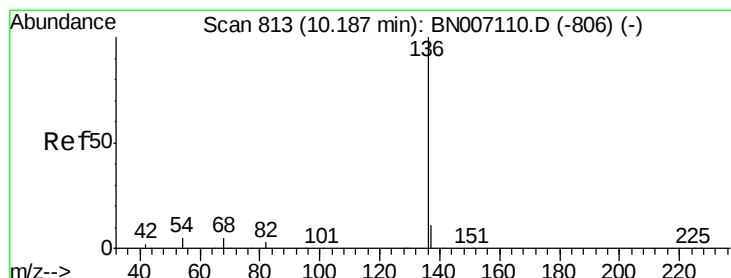
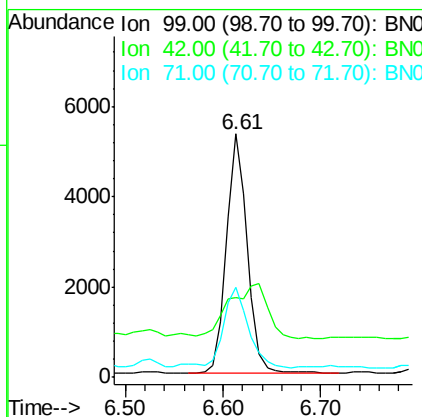
BNA_N

ClientSampleId :

EXT-008-SW108-073119

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#6

Naphthalene-d8

Concen: 0.400 ng

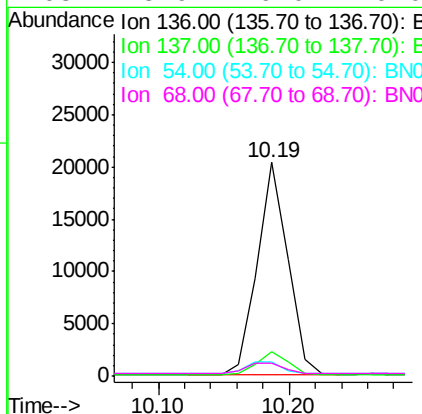
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Tgt Ion:	136	Resp:	32891
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	6.4	6.6	9.8#
68	5.9	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.245 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Instrument :

BNA_N

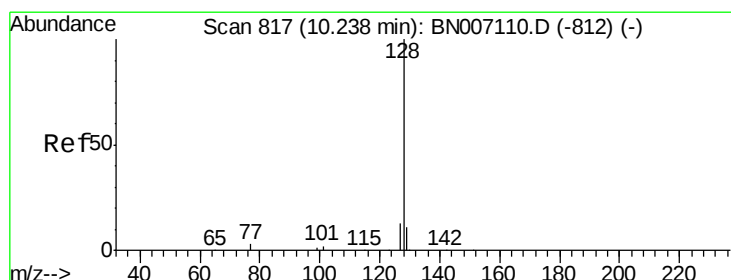
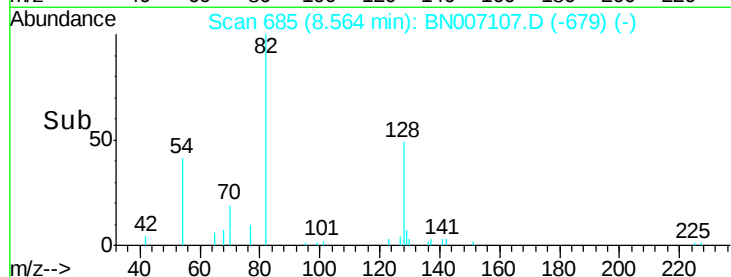
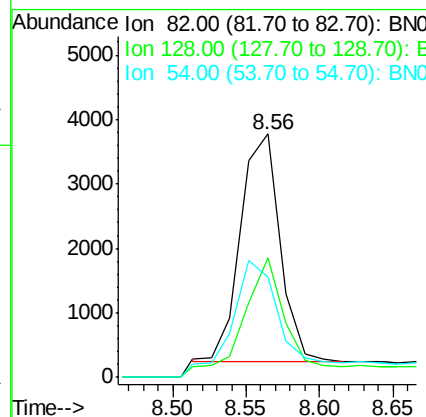
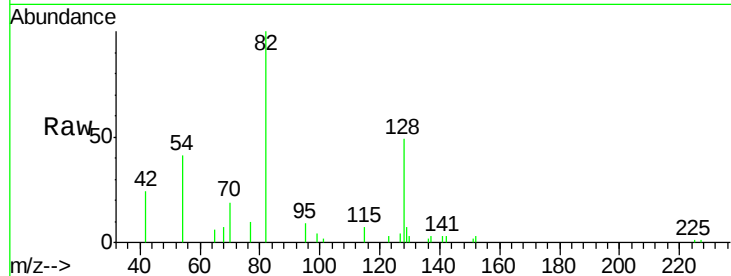
ClientSampleId :

EXT-008-SW108-073119

Tot Ion:	82	Resp:	6504
Ion	Ratio	Lower	Upper
82	100		
128	49.1	34.6	51.8
54	41.1	36.2	54.4

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#8

Naphthalene

Concen: 0.118 ng

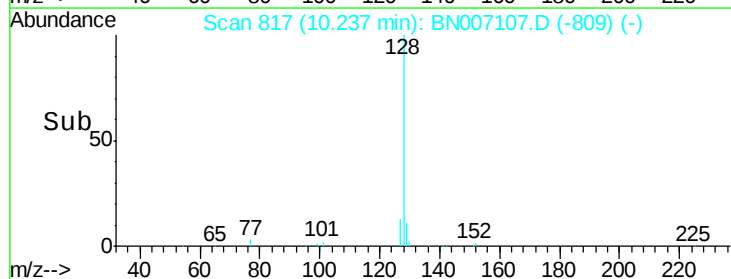
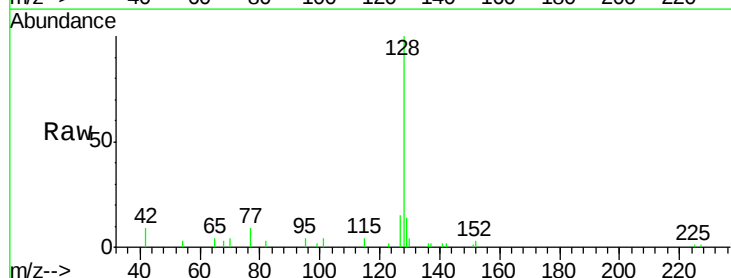
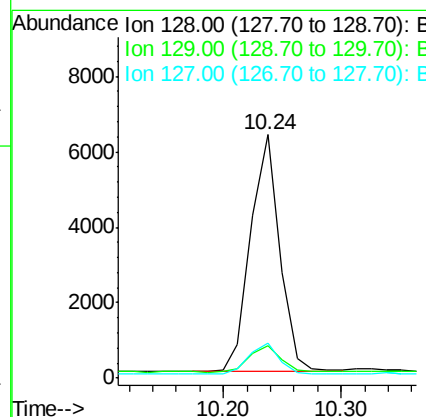
RT: 10.24 min Scan# 817

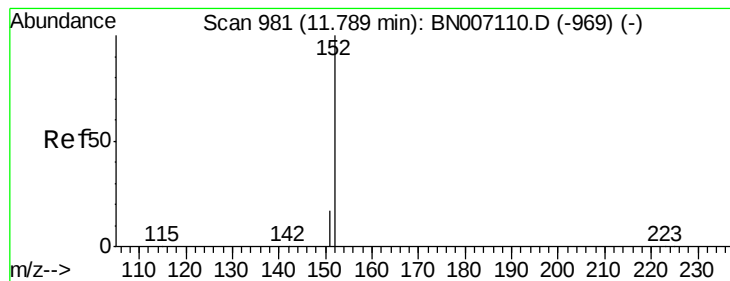
Delta R.T. -0.00 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Tgt Ion:	128	Resp:	10890
Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.4	14.2
127	14.6	11.0	16.6





#10

2-Methylnaphthalene-d10

Concen: 0.246 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Instrument :

BNA_N

ClientSampleId :

EXT-008-SW108-073119

Tot Ion:152 Resp: 15075

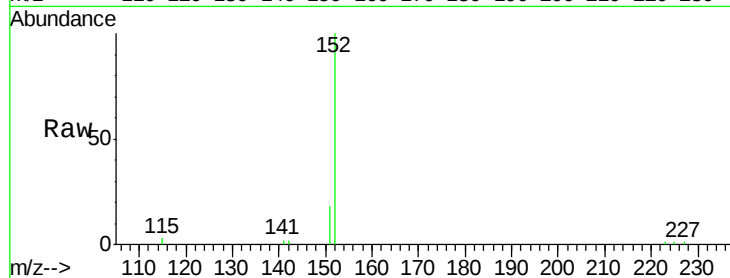
Ion Ratio Lower Upper

152 100

151 19.4 15.5 23.3

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.79

10000

8000

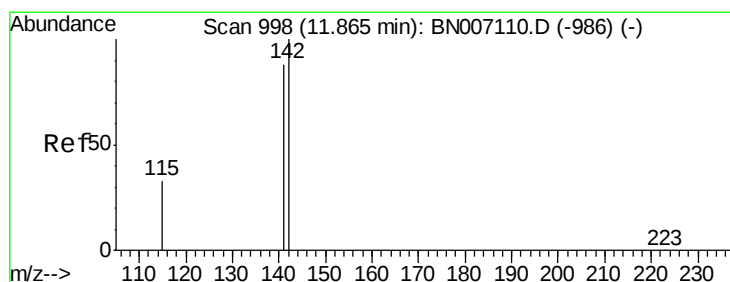
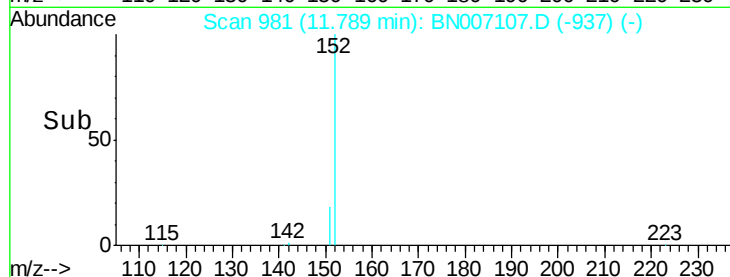
6000

4000

2000

0

Time-->



#11

2-Methylnaphthalene

Concen: 0.125 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

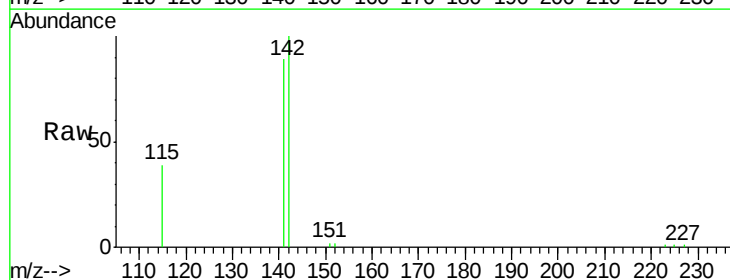
Tgt Ion:142 Resp: 8179

Ion Ratio Lower Upper

142 100

141 89.2 69.0 103.6

115 38.7 27.1 40.7



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

11.86

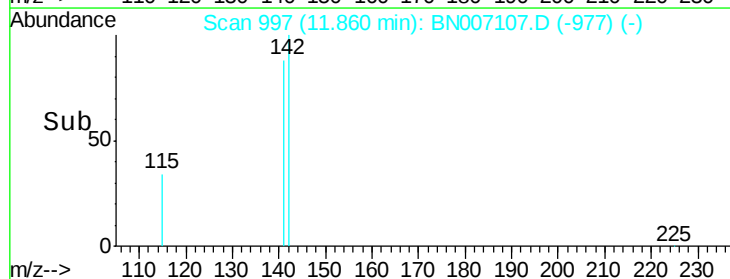
6000

4000

2000

0

Time-->





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Instrument :

BNA_N

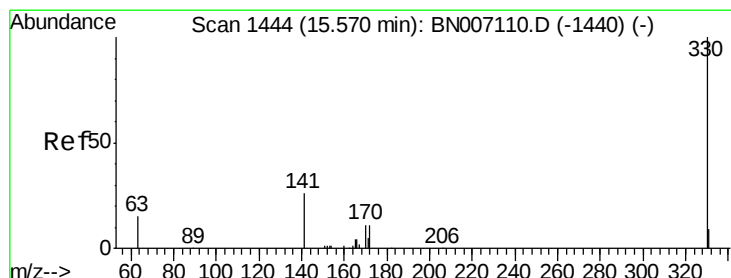
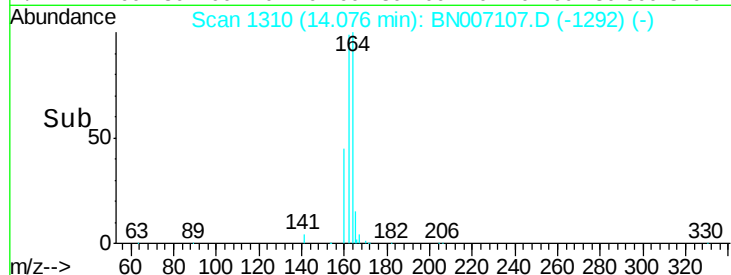
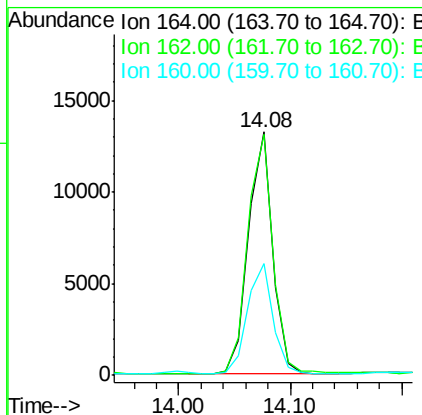
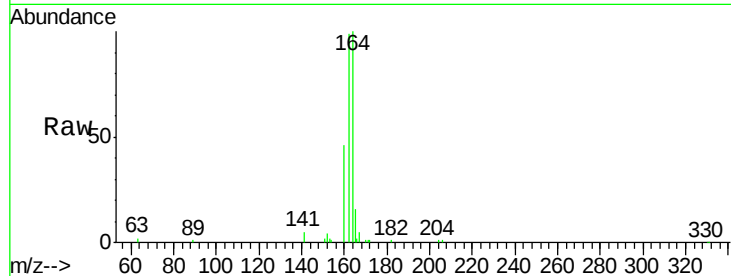
ClientSampleId :

EXT-008-SW108-073119

Tot Ion:	164	Resp:	19956
Ion Ratio	Lower	Upper	
164	100		
162	99.0	82.2	123.4
160	46.1	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.218 ng

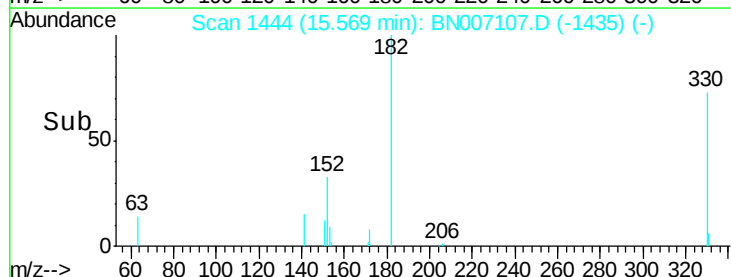
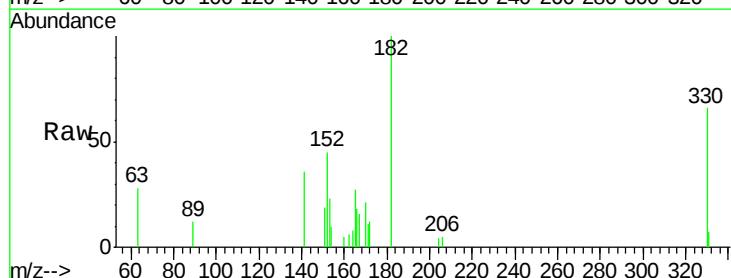
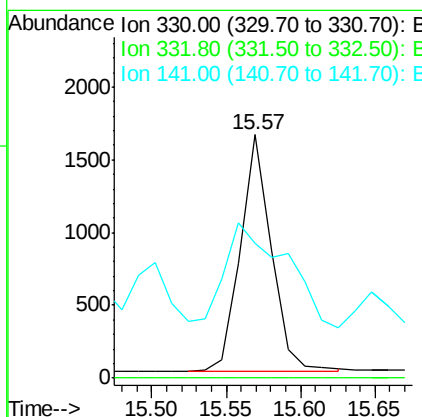
RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Tgt Ion:	330	Resp:	2340
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	86.7	33.6	50.4#





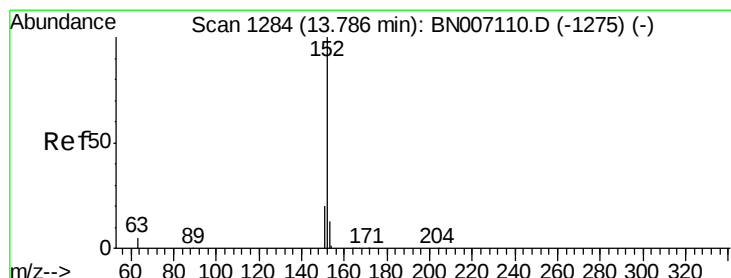
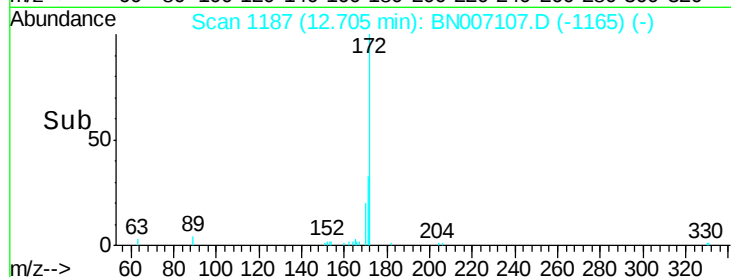
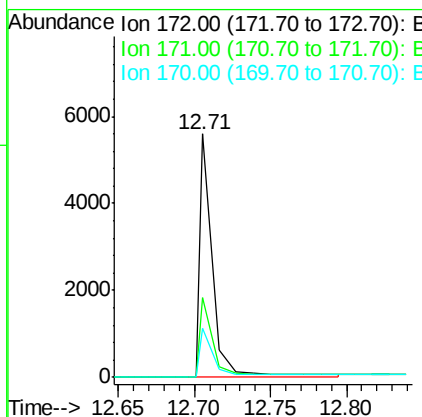
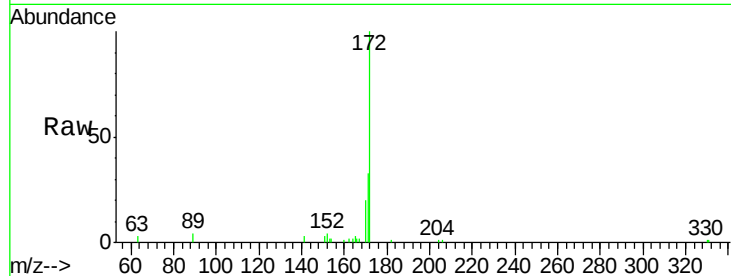
#14
2-Fluorobiphenyl
Concen: 0.138 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW108-073119

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.6	26.3	39.5
170	20.0	17.0	25.4

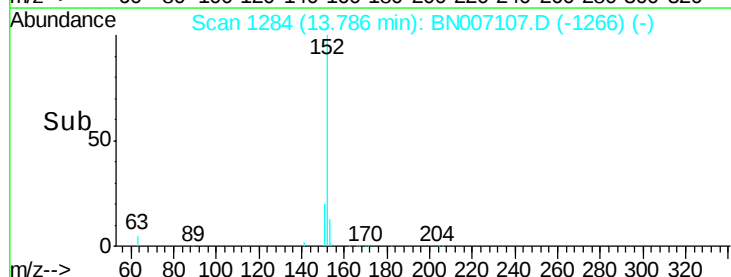
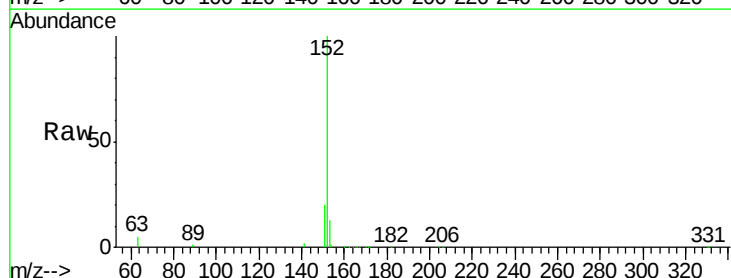
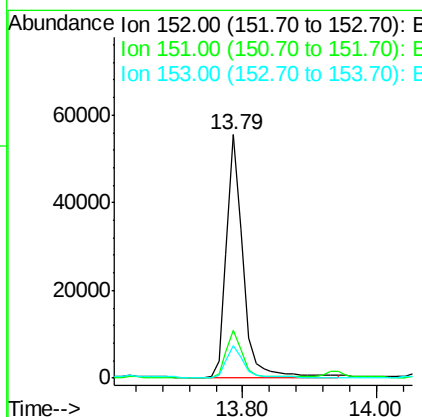
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#15
Acenaphthylene
Concen: 0.912 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.6	10.4	15.6





#16

Acenaphthene

Concen: 0.087 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Instrument :

BNA_N

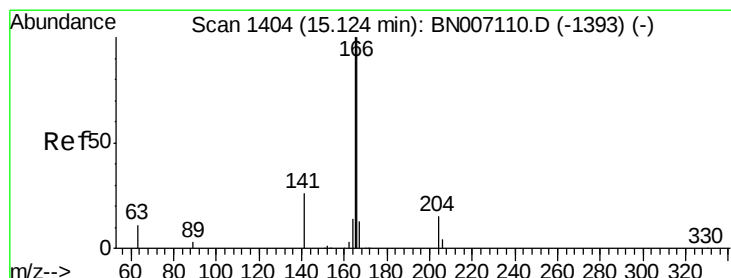
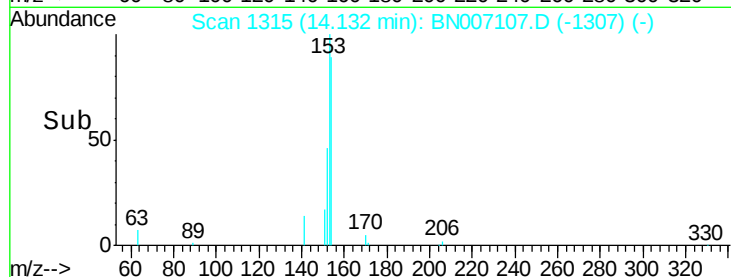
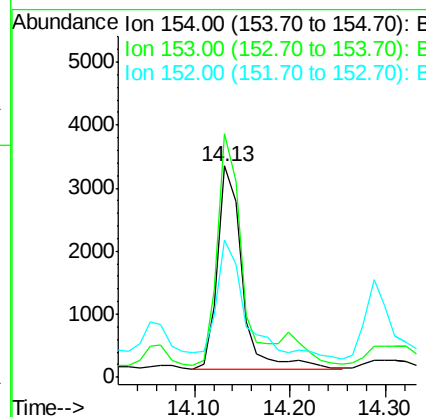
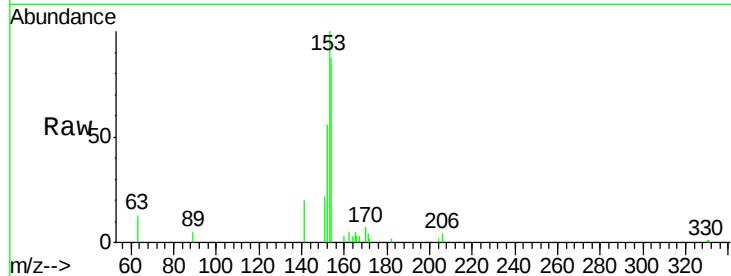
ClientSampleId :

EXT-008-SW108-073119

Tot Ion:	154	Resp:	5797
Ion Ratio	Lower	Upper	
154	100		
153	112.9	89.5	134.3
152	69.8	44.8	67.2#

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#17

Fluorene

Concen: 0.136 ng

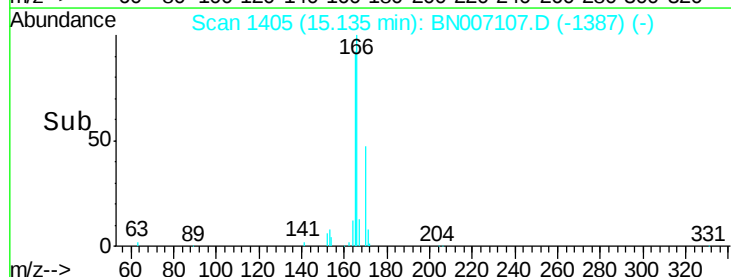
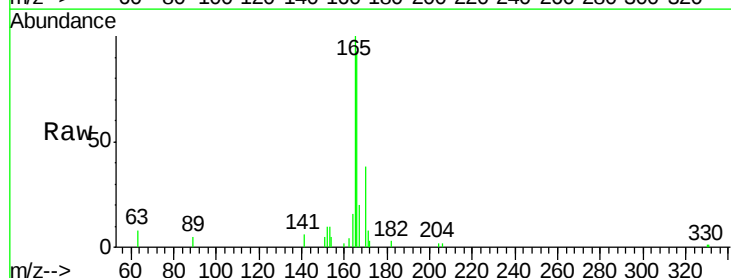
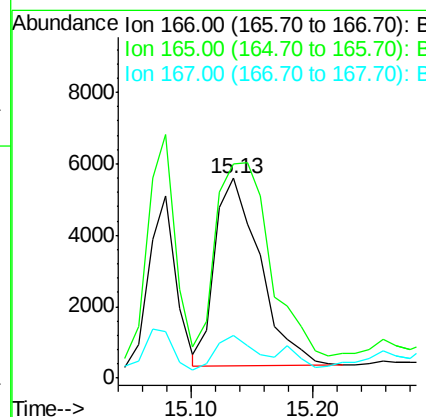
RT: 15.13 min Scan# 1405

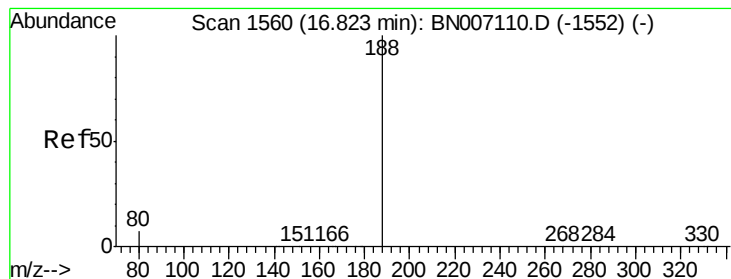
Delta R.T. -0.00 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Tgt Ion:	166	Resp:	13553
Ion Ratio	Lower	Upper	
166	100		
165	123.8	77.9	116.9#
167	16.2	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: BN007107.D

Acq: 12 Aug 2019 20:42

Instrument :

BNA_N

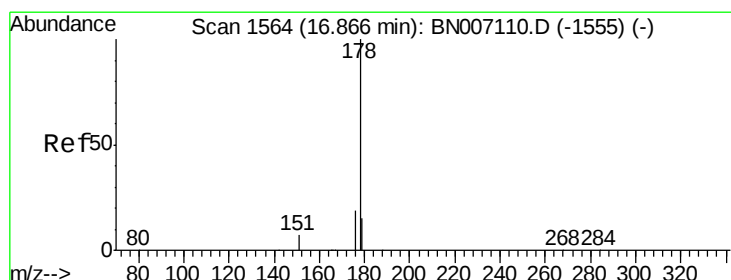
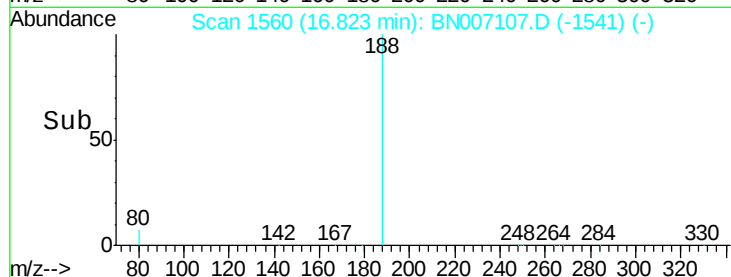
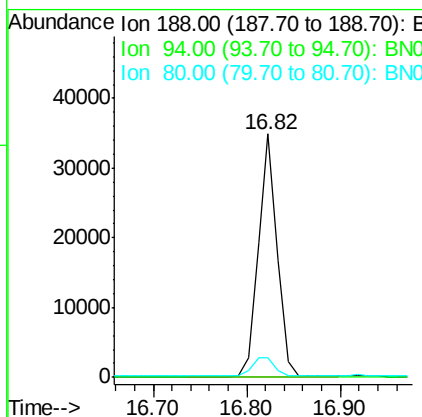
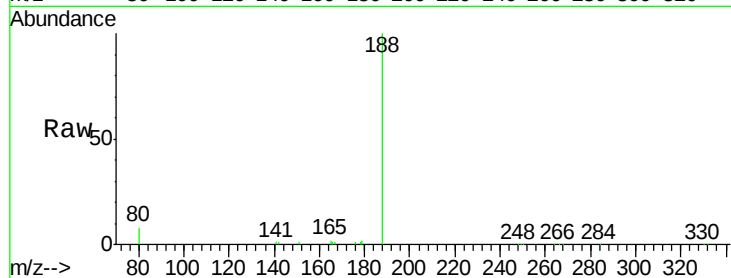
ClientSampleId :

EXT-008-SW108-073119

Tot Ion:	188	Resp:	48483
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.1	7.8	11.6

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#22

Phenanthrene

Concen: 1.795 ng

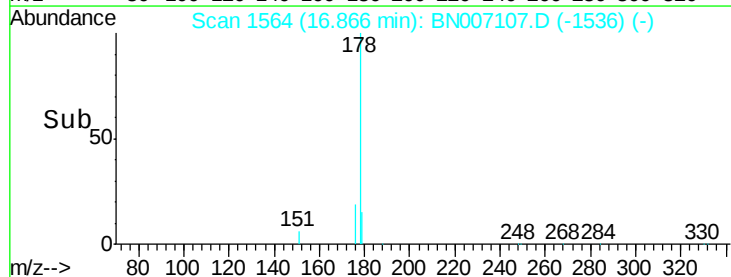
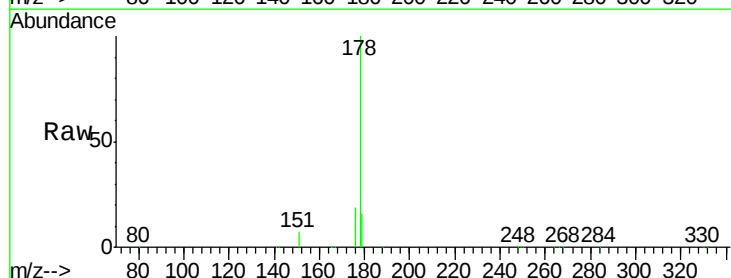
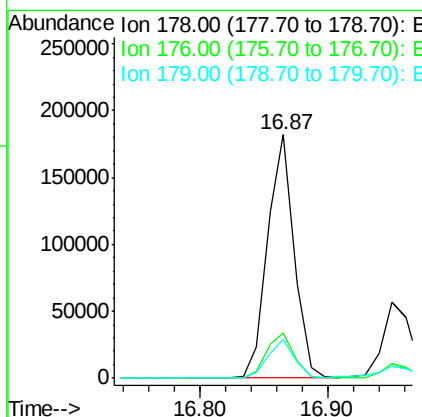
RT: 16.87 min Scan# 1564

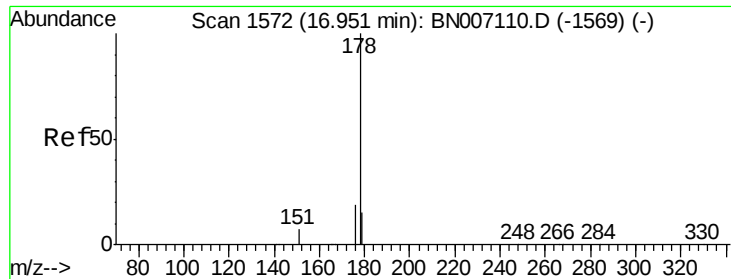
Delta R.T. -0.00 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Tgt Ion:	178	Resp:	260756
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.2	22.8
179	15.6	12.3	18.5





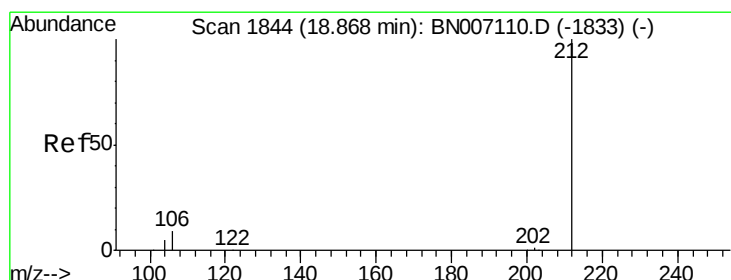
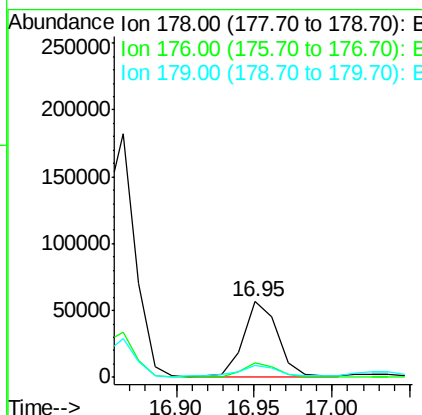
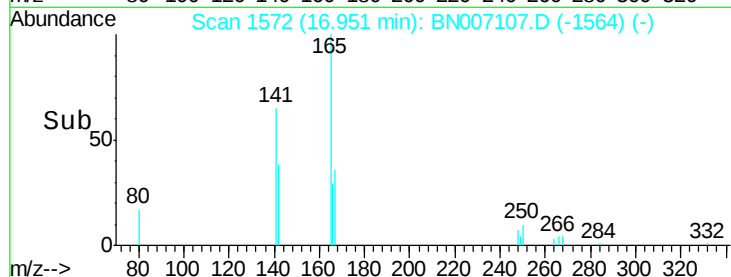
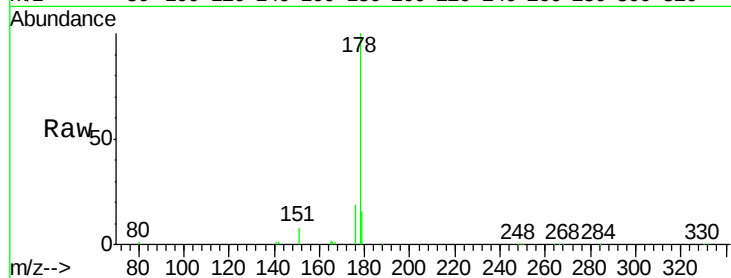
#23
 Anthracene
 Concen: 0.640 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007107.D
 Acq: 12 Aug 2019 20:42

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW108-073119

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	17.4	12.5	18.7

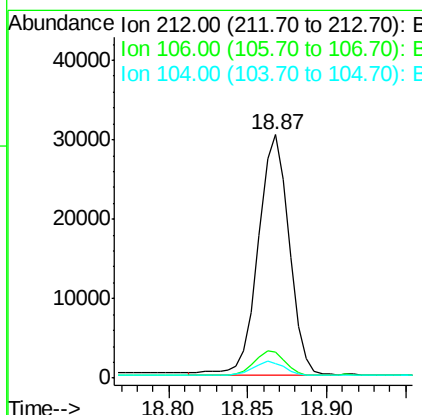
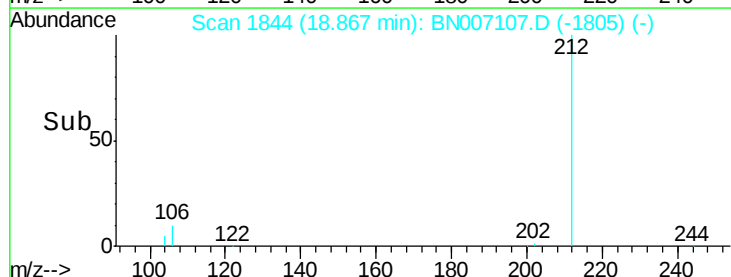
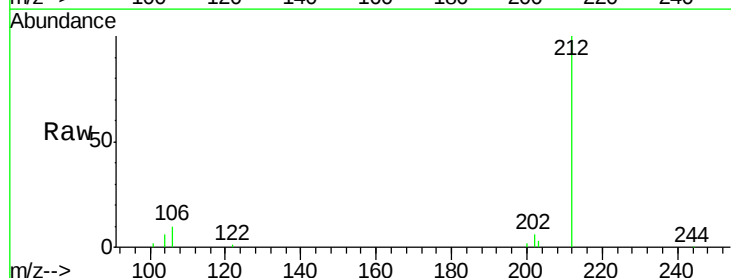
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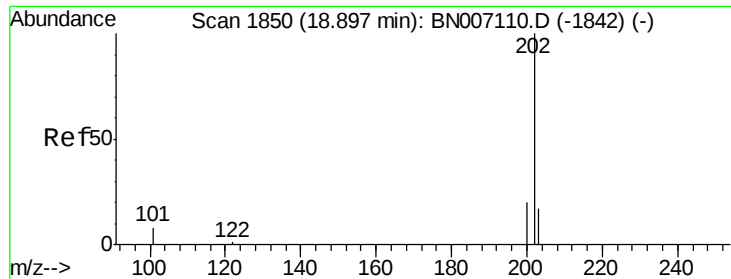
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#24
 Fluoranthene-d10
 Concen: 0.237 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007107.D
 Acq: 12 Aug 2019 20:42

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.3	8.2	12.2
104	6.5	4.5	6.7





#25

Fluoranthene

Concen: 3.075 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Instrument :

BNA_N

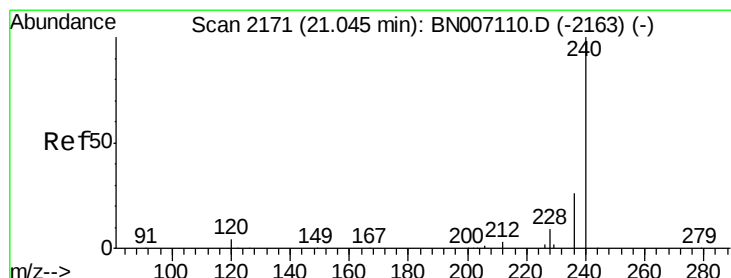
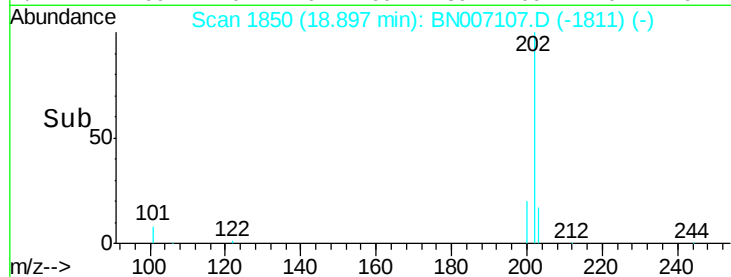
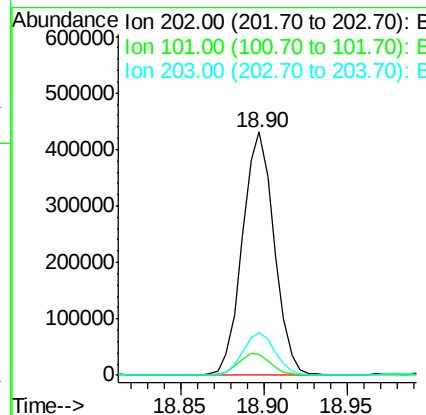
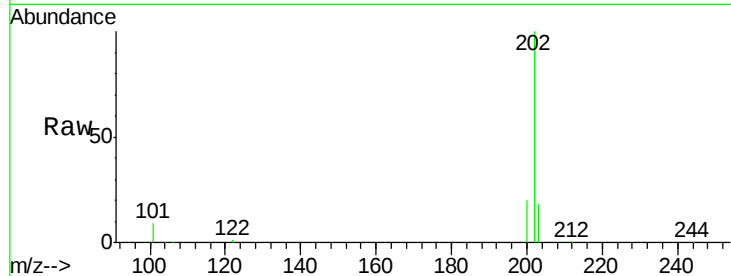
ClientSampleId :

EXT-008-SW108-073119

Tot Ion:	202	Resp:	571612
Ion Ratio	Lower	Upper	
202	100		
101	8.9	7.0	10.4
203	17.7	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

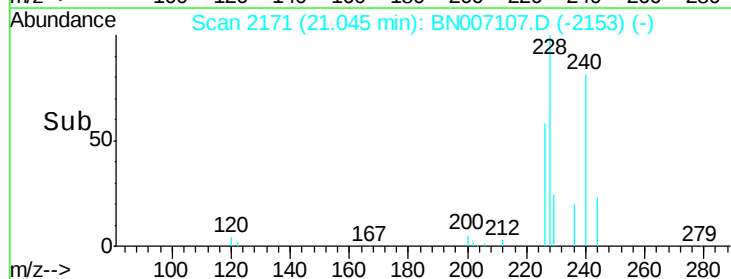
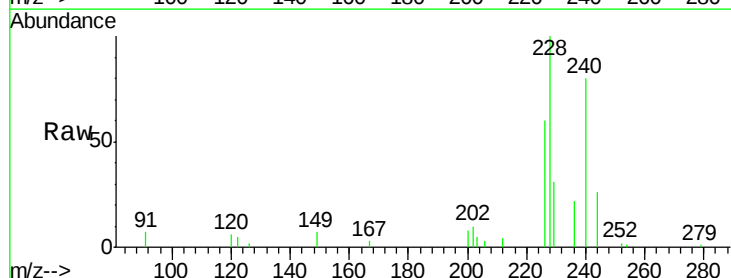
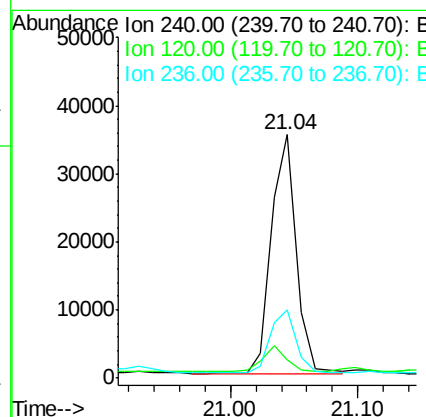
RT: 21.04 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Tgt Ion:	240	Resp:	47724
Ion Ratio	Lower	Upper	
240	100		
120	7.3	4.0	6.0#
236	27.8	21.3	31.9





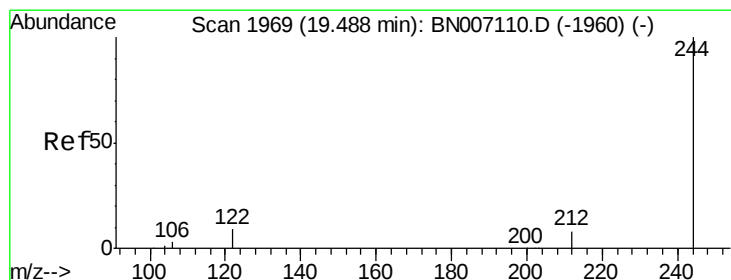
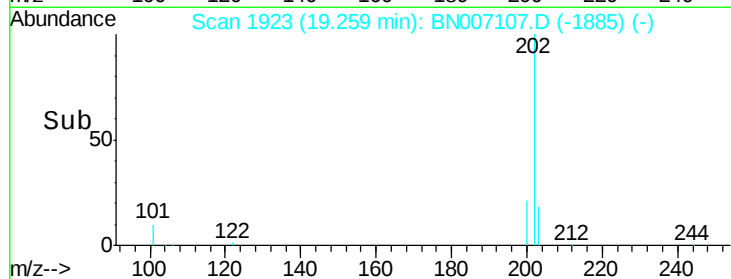
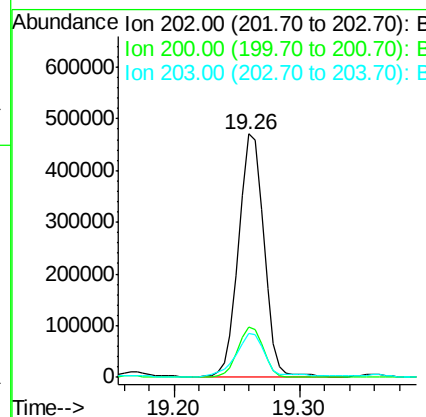
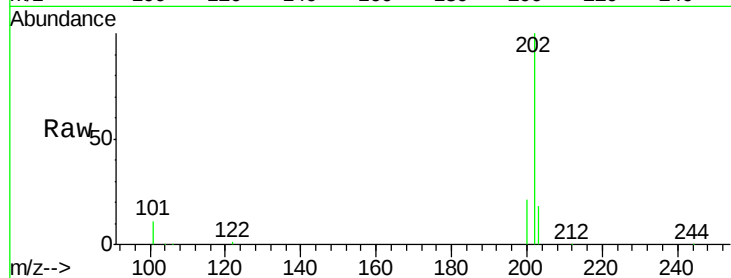
#27
Pvrene
Concen: 3.922 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW108-073119

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	19.8	14.0	21.0

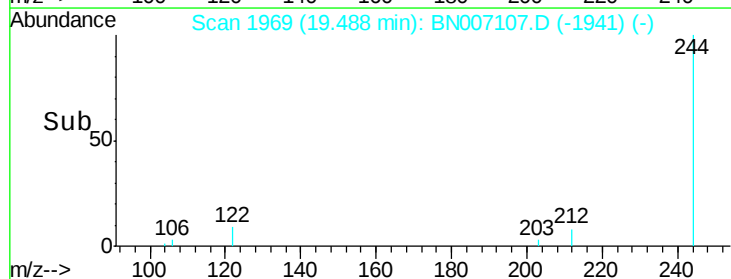
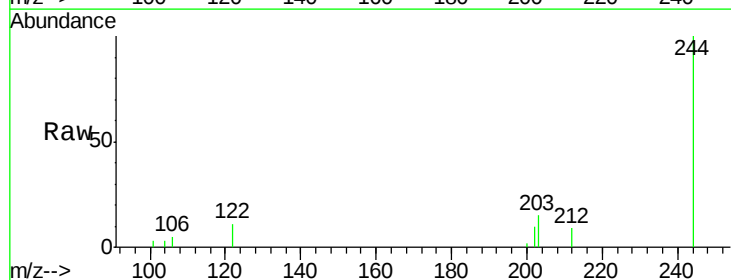
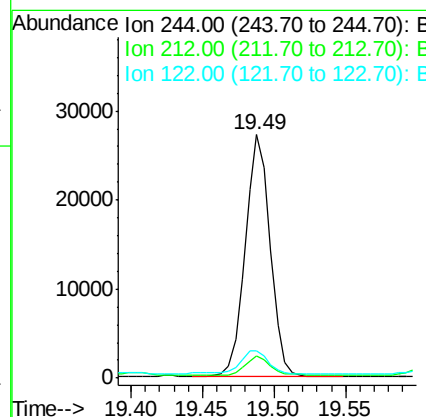
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#28
Terphenyl-d14
Concen: 0.253 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.2	9.2
122	11.3	7.4	11.2#





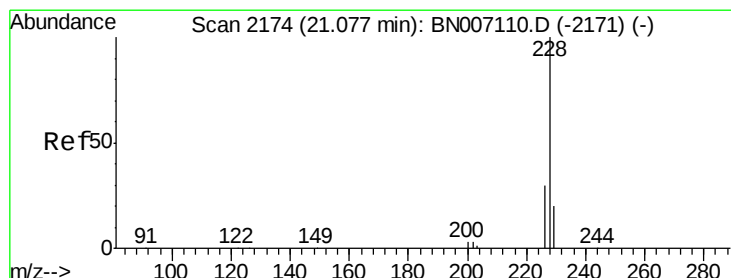
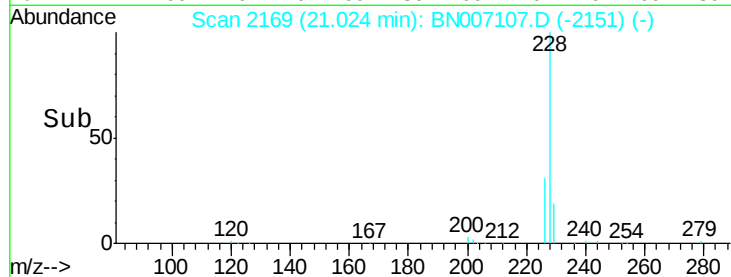
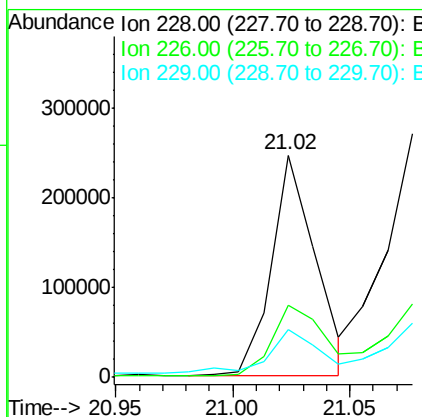
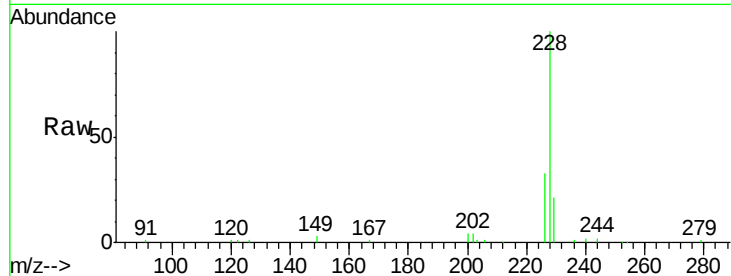
#29
Benzo(a)anthracene
Concen: 1.845 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW108-073119

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	21.8	32.6
229	21.3	15.6	23.4

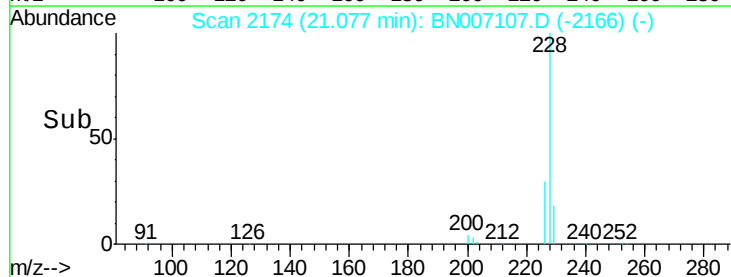
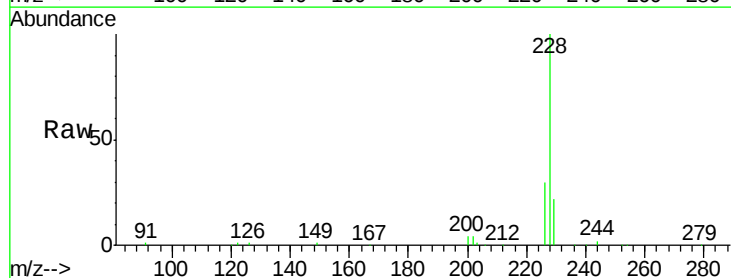
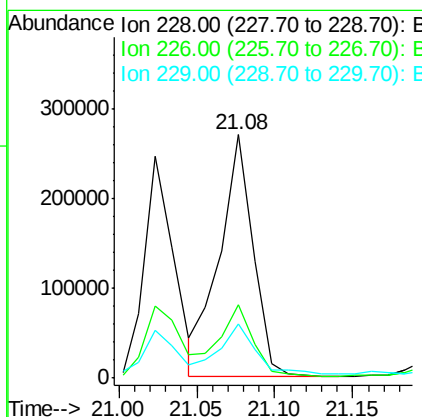
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#30
Chrysene
Concen: 2.368 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.6
229	22.1	15.7	23.5





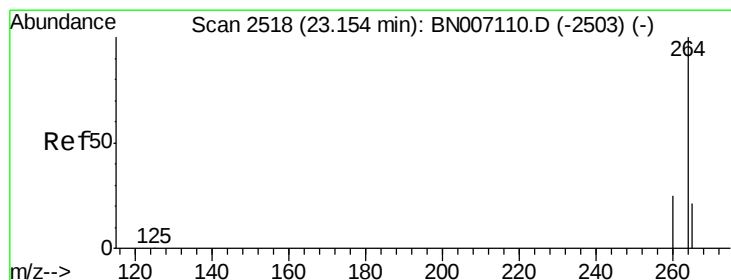
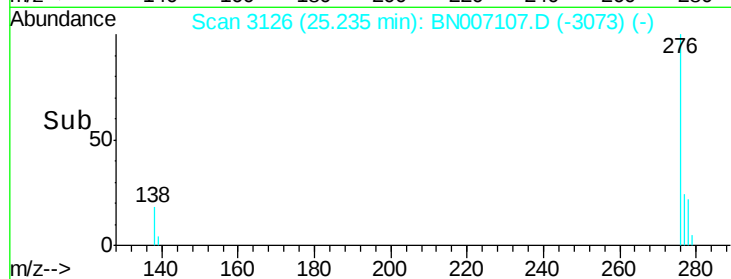
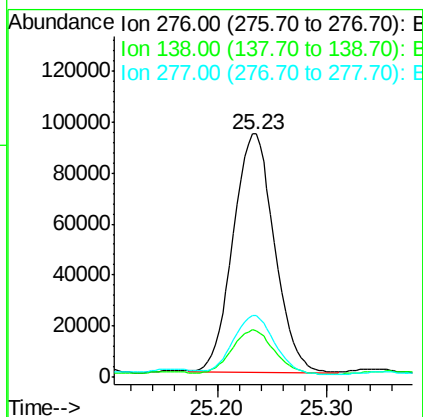
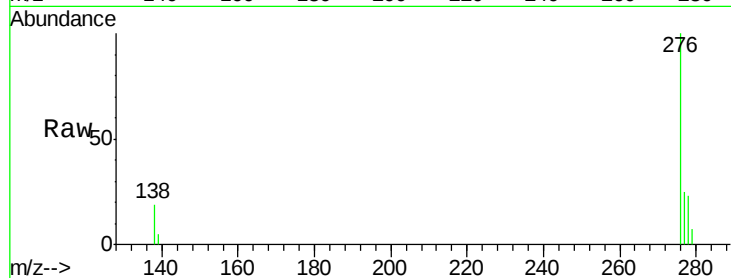
#31
Indeno(1,2,3-cd)pyrene
Concen: 1.320 ng
RT: 25.23 min Scan# 3126
Delta R.T. -0.02 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW108-073119

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	16.0	24.0
277	24.8	19.9	29.9

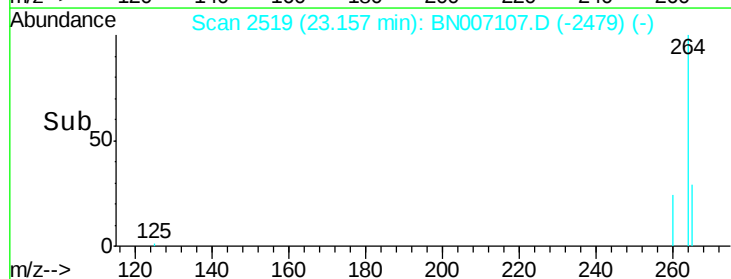
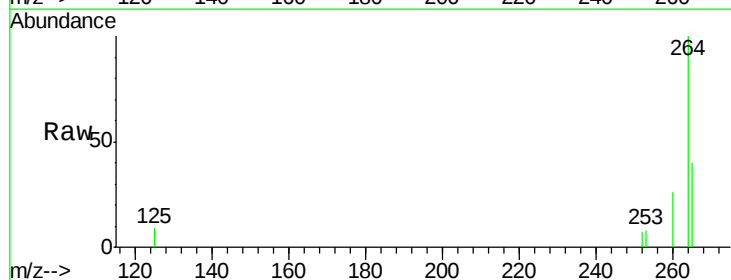
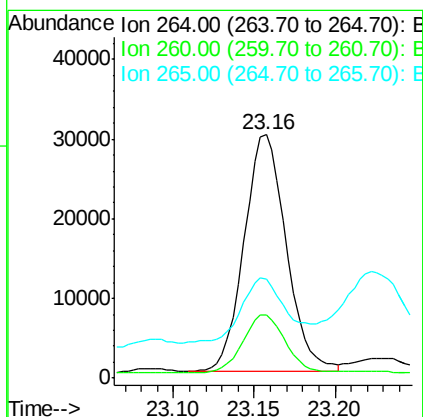
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#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.8	29.8
265	40.5	26.2	39.4#





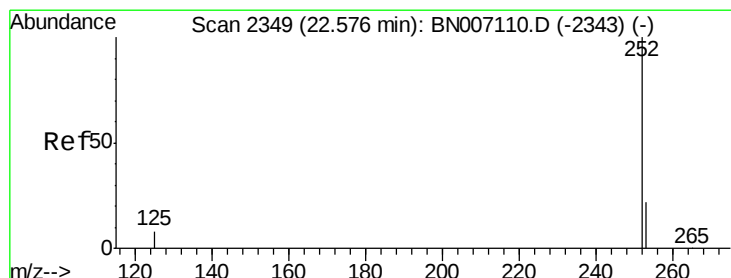
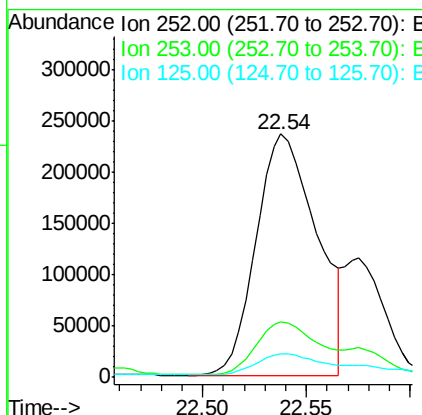
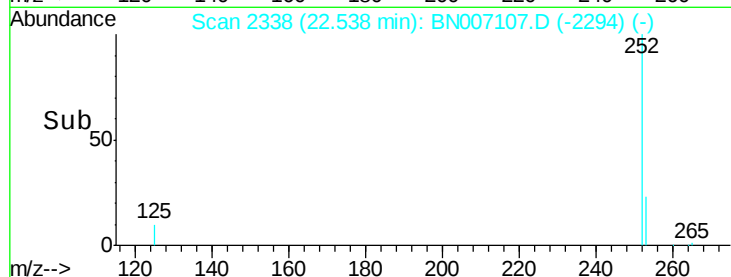
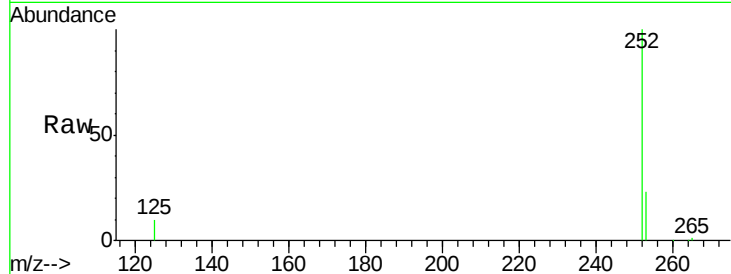
#33
Benzo(b)fluoranthene
Concen: 2.588 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW108-073119

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	9.5	7.4	11.0

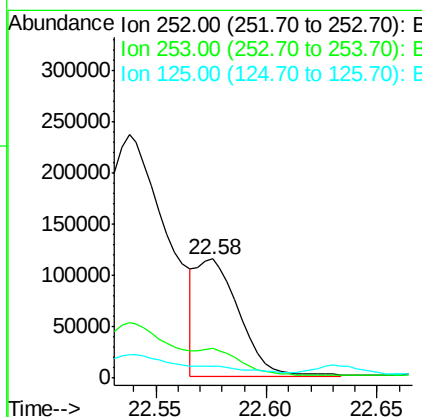
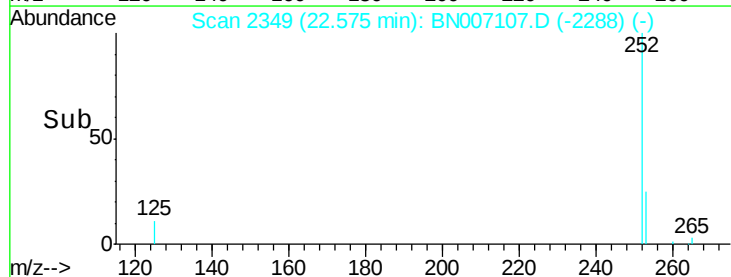
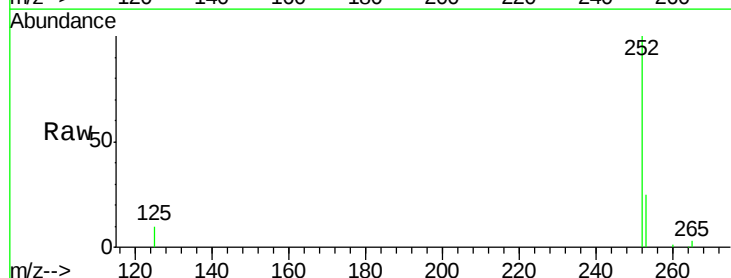
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#34
Benzo(k)fluoranthene
Concen: 0.860 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	10.3	7.4	11.0





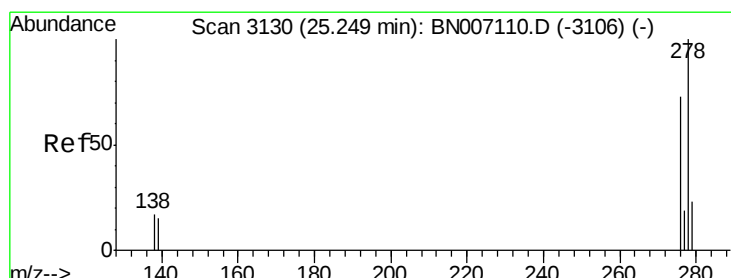
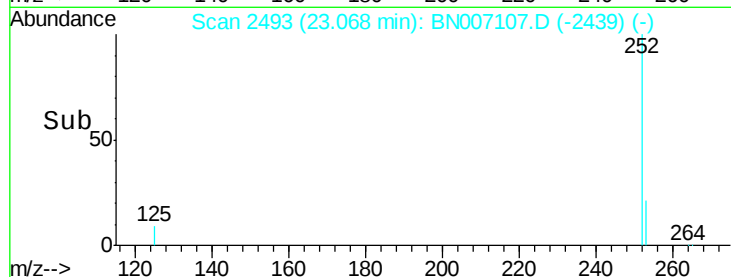
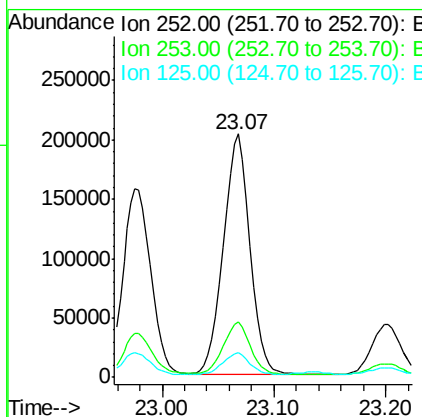
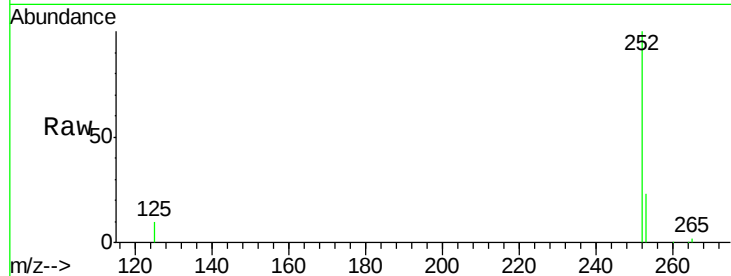
#35
Benzo(a)pyrene
Concen: 1.992 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW108-073119

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	9.9	8.2	12.4

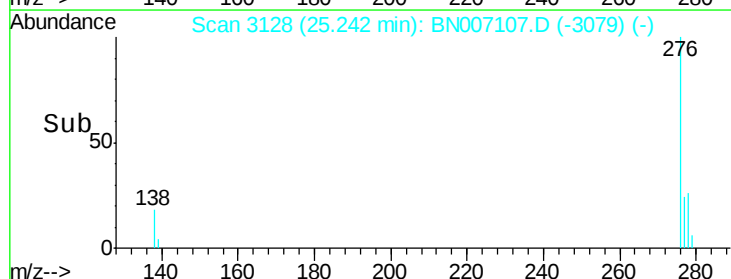
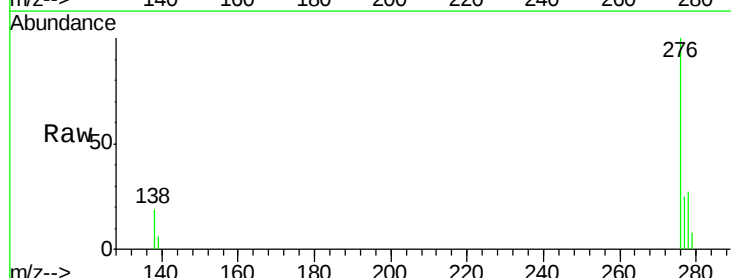
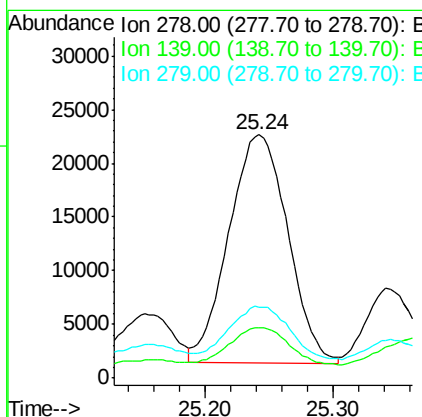
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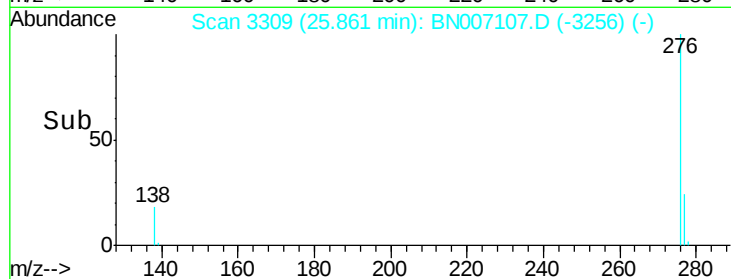
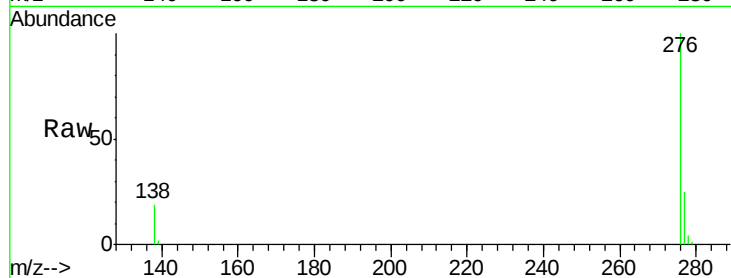
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#36
Dibenzo(a,h)anthracene
Concen: 0.406 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007107.D
Acq: 12 Aug 2019 20:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	11.3	16.9#
279	29.3	19.3	28.9#





#37

Benzo(a,h,i)perylene

Concen: 1.573 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

Lab File: BN007107.D

Acq: 12 Aug 2019 20:42

Instrument :

BNA_N

ClientSampleId :

EXT-008-SW108-073119

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	19.3	14.6	22.0

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