

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007103.D
 Acq On : 12 Aug 2019 18:18
 Operator : HP/JU
 Sample : K4143-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW132-073019

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:51:54 AM

Quant Time: Aug 13 05:18:18 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	9399	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	35991	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	20186	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	49067	0.40	ng	0.00
26) Chrysene-d12	21.05	240	50795	0.40	ng	-0.01
32) Perylene-d12	23.16	264	54677	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	5880	0.26	ng	0.00
4) Phenol-d6	6.61	99	8003	0.29	ng	0.00
7) Nitrobenzene-d5	8.56	82	6100	0.21	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	14370	0.21	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1796	0.17	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3944	0.13	ng	0.00
24) Fluoranthene-d10	18.87	212	35166	0.20	ng	0.00
28) Terphenyl-d14	19.49	244	25726	0.19	ng	-0.01

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	3262	0.032	ng	# 93
11) 2-Methylnaphthalene	11.86	142	1442	0.020	ng	# 93
15) Acenaphthylene	13.79	152	14306	0.136	ng	100
16) Acenaphthene	14.13	154	3590	0.053	ng	94
17) Fluorene	15.13	166	5225	0.052	ng	93
22) Phenanthrene	16.87	178	182669	1.242	ng	100
23) Anthracene	16.95	178	32129	0.239	ng	# 94
25) Fluoranthene	18.90	202	377965	2.009	ng	100
27) Pyrene	19.26	202	336128	1.887	ng	# 96
29) Benzo(a)anthracene	21.02	228	196039	1.055	ng	97
30) Chrysene	21.08	228	179574	0.995	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	105092	0.528	ng	97
33) Benzo(b)fluoranthene	22.54	252	243651	1.300	ng	99
34) Benzo(k)fluoranthene	22.58	252	84043m	0.454	ng	
35) Benzo(a)pyrene	23.07	252	163042	0.959	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	29404	0.173	ng	# 92
37) Benzo(a,h,i)perylene	25.86	276	102845	0.590	ng	100

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

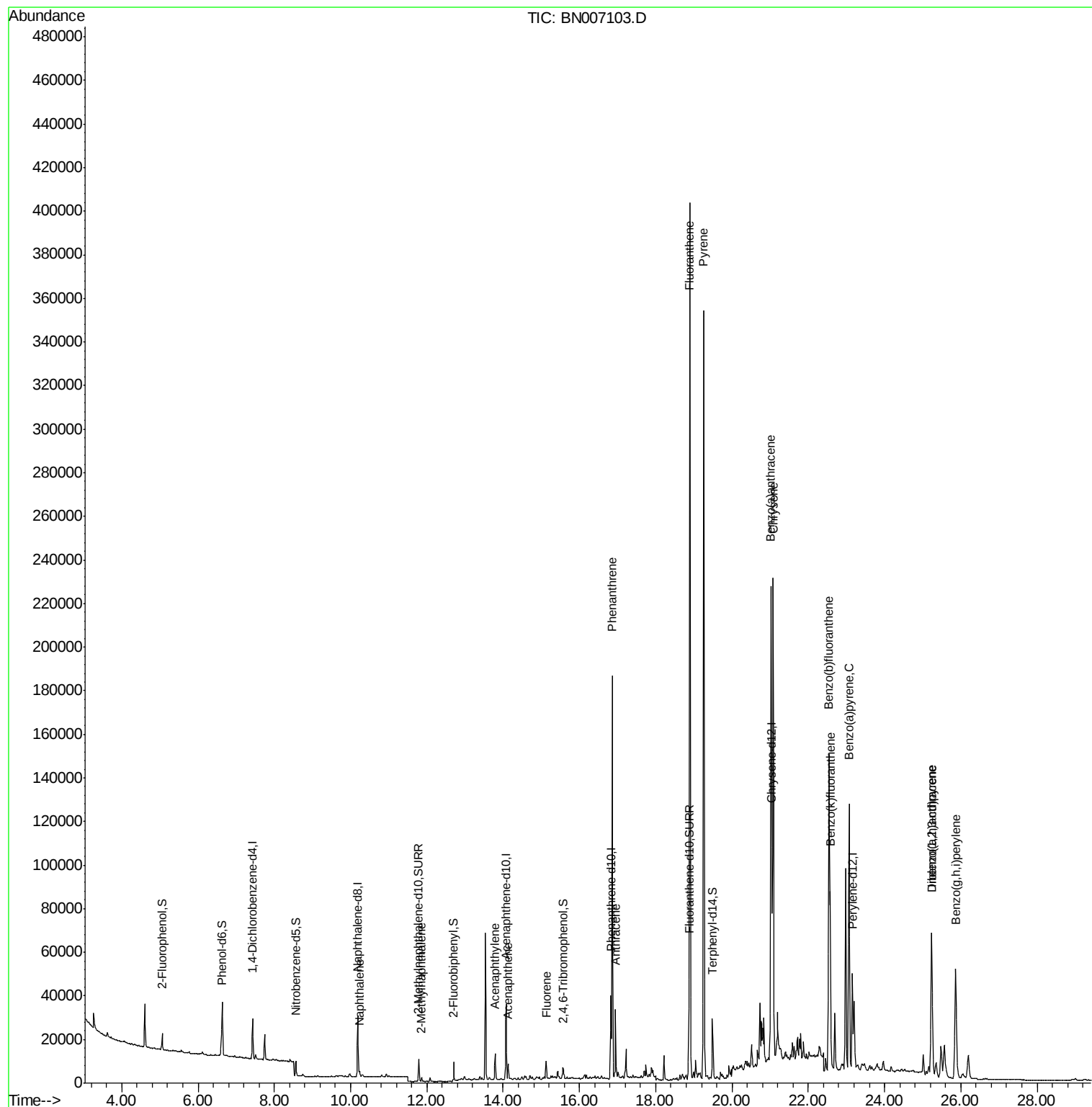
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
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#1

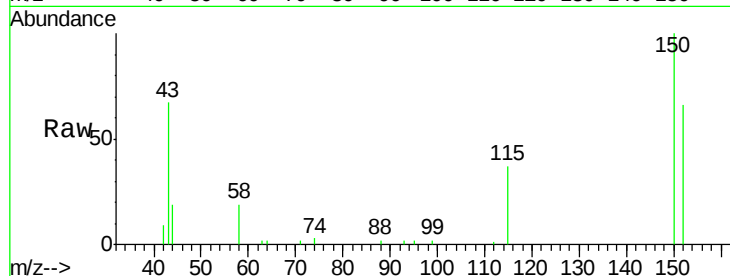
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW132-073019

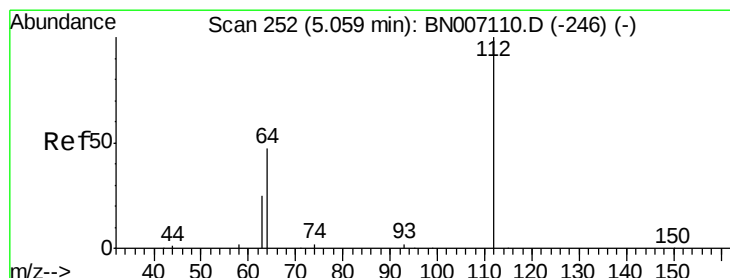
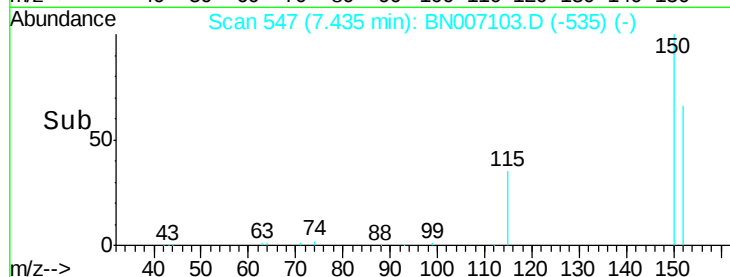
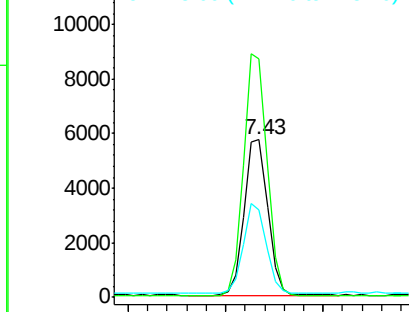
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	121.7	182.5
115	55.4	46.2	69.4

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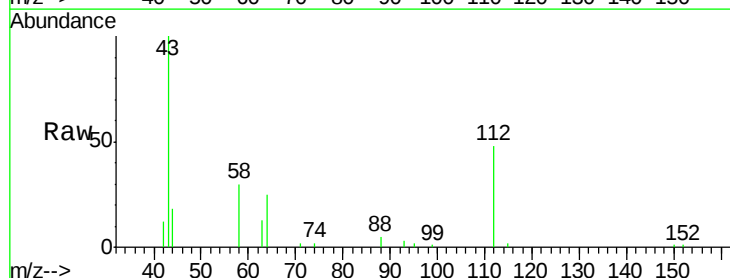
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



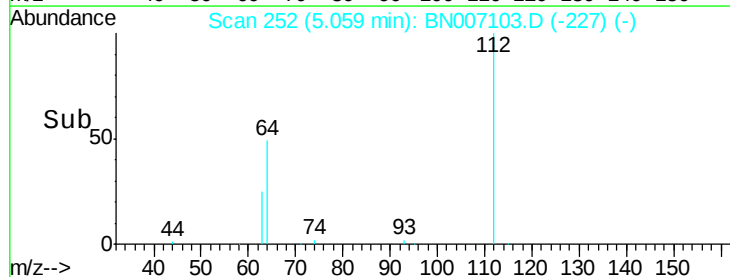
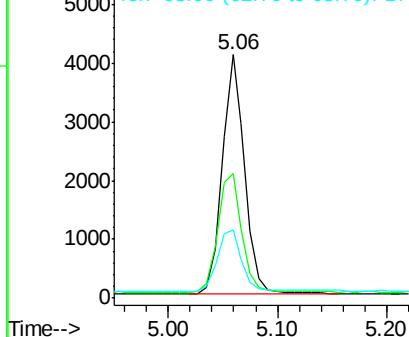
#3

2-Fluorophenol
Concen: 0.260 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.6	63.8
63	27.1	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: 0.286 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Instrument :

BNA_N

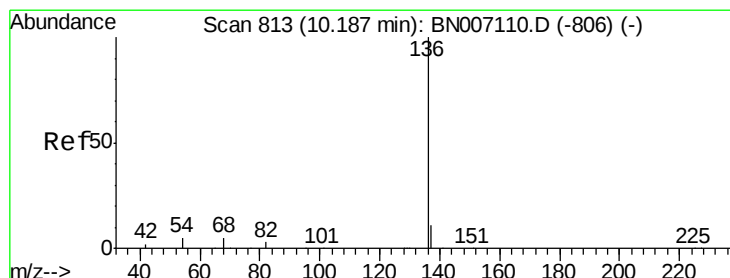
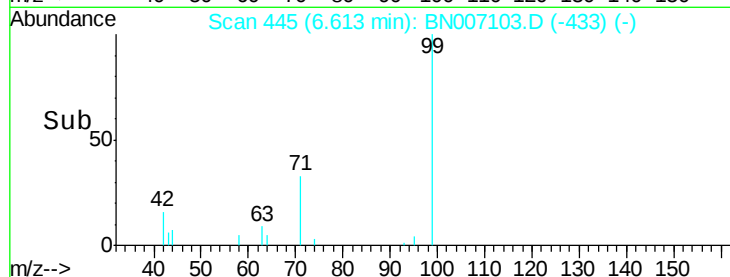
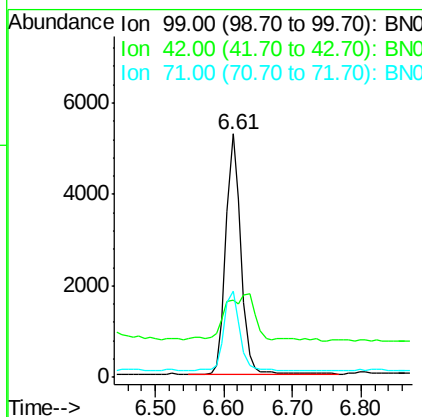
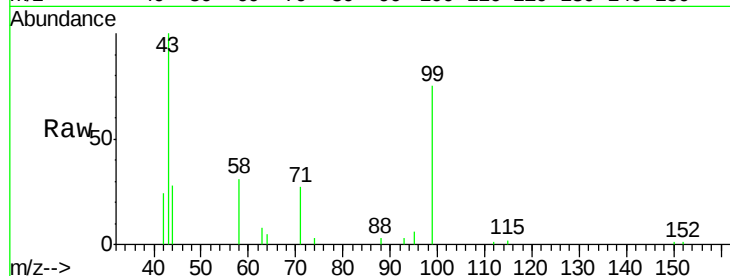
ClientSampleId :

EXT-006-SW132-073019

Tot Ion:	99	Resp:	8003
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	34.4	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

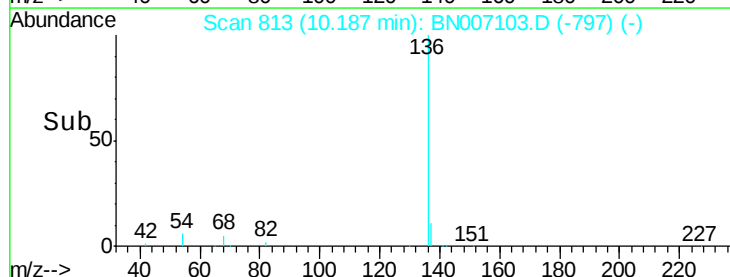
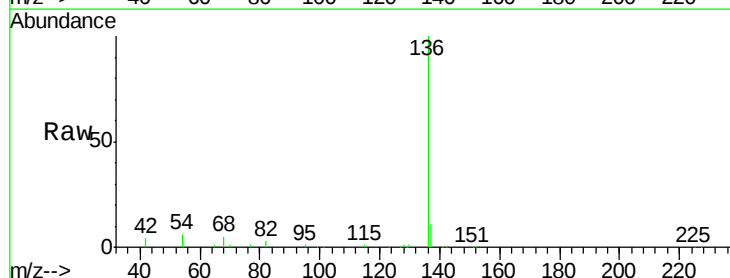
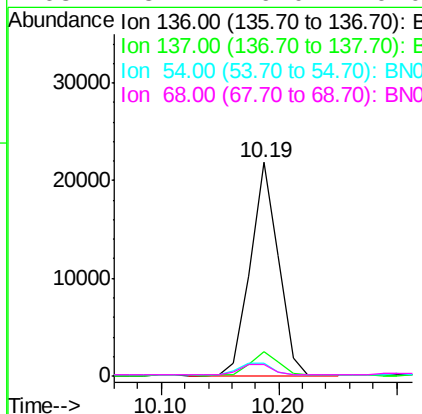
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Tgt Ion:	136	Resp:	35991
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	6.3	6.6	9.8#
68	5.4	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.210 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Instrument :

BNA_N

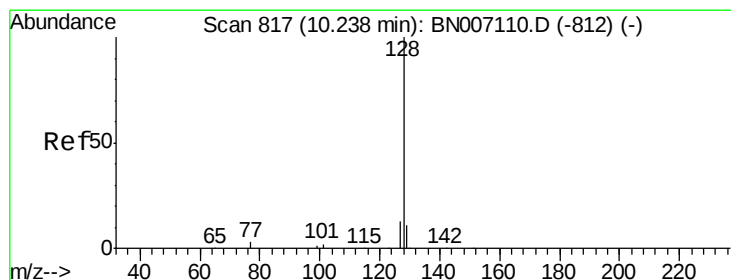
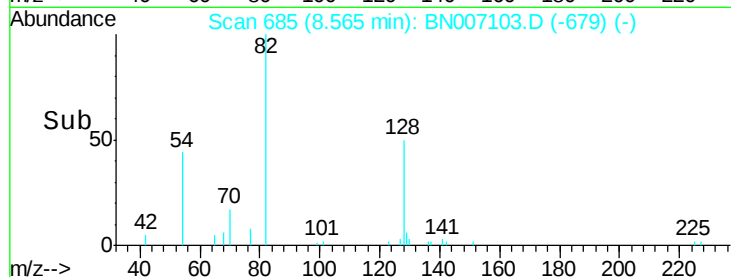
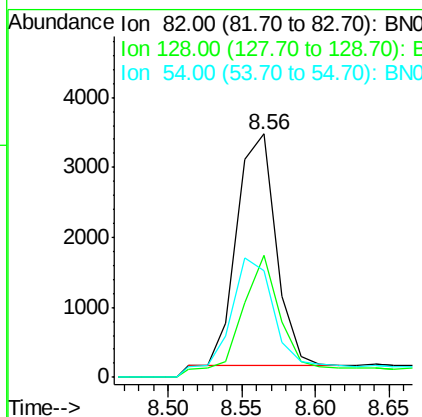
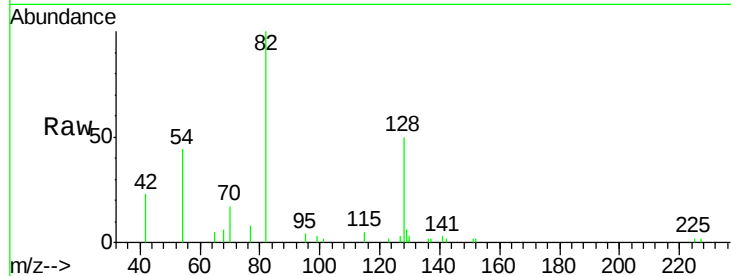
ClientSampleId :

EXT-006-SW132-073019

Tot Ion:	82	Resp:	6100
Ion	Ratio	Lower	Upper
82	100		
128	50.1	34.6	51.8
54	43.6	36.2	54.4

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#8

Naphthalene

Concen: 0.032 ng

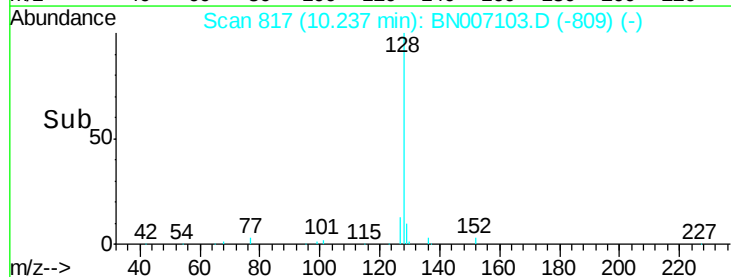
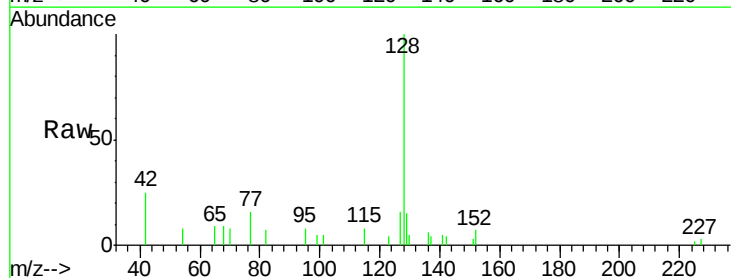
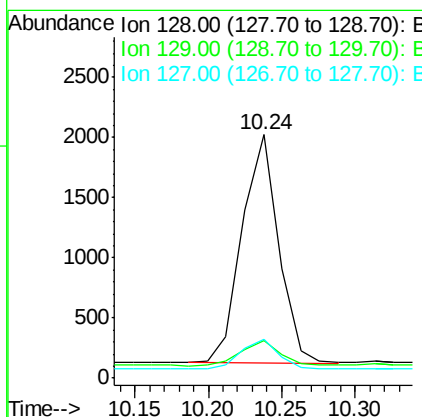
RT: 10.24 min Scan# 817

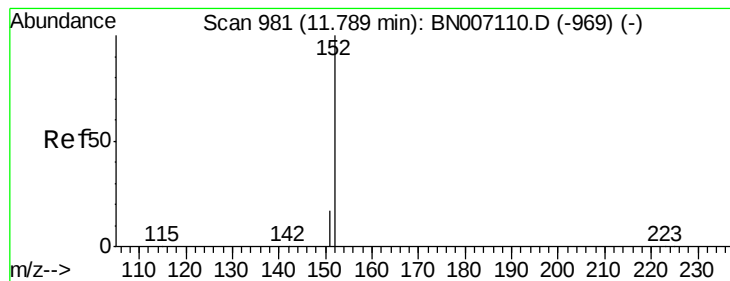
Delta R.T. -0.00 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Tgt Ion:	128	Resp:	3262
Ion	Ratio	Lower	Upper
128	100		
129	15.5	9.4	14.2#
127	15.8	11.0	16.6





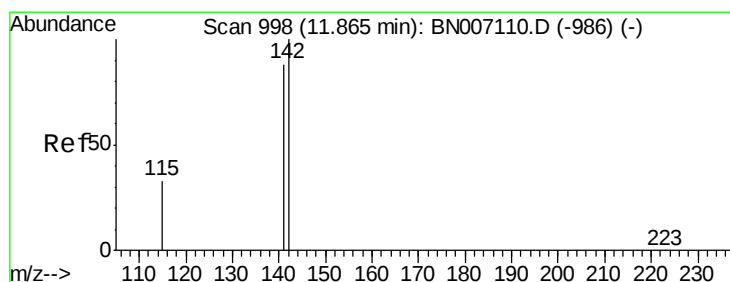
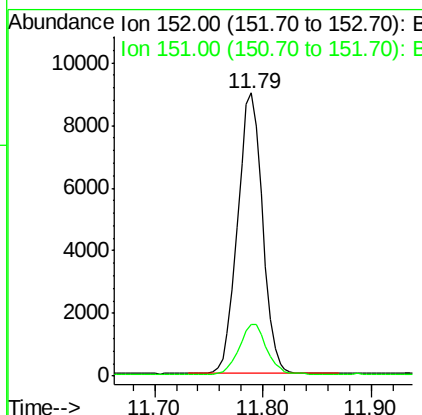
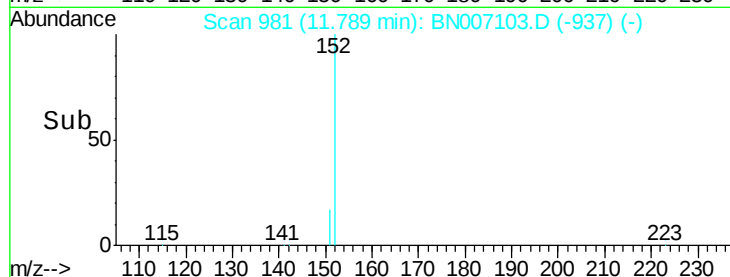
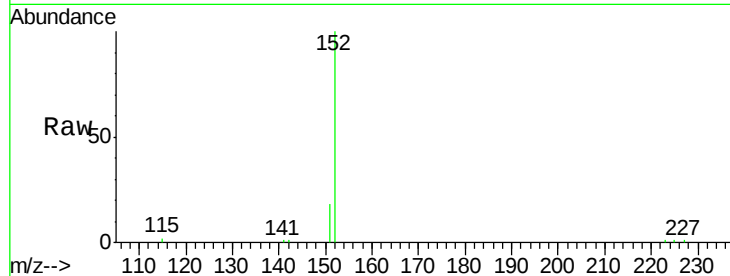
#10
2-Methylnaphthalene-d10
Concen: 0.214 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW132-073019

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3

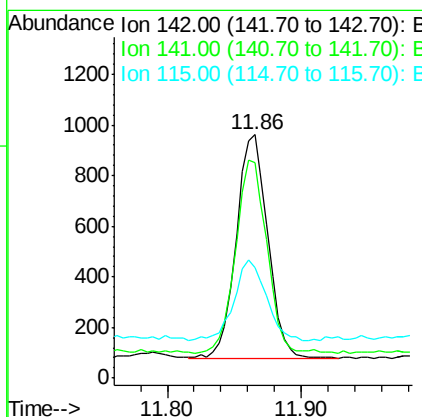
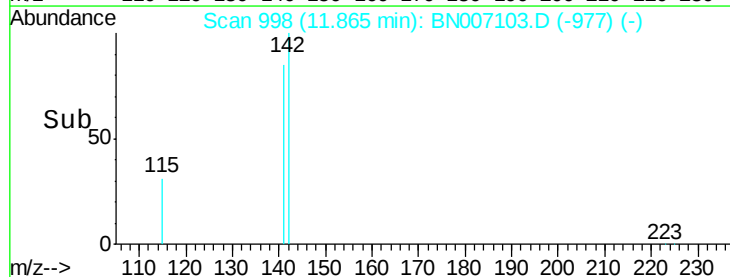
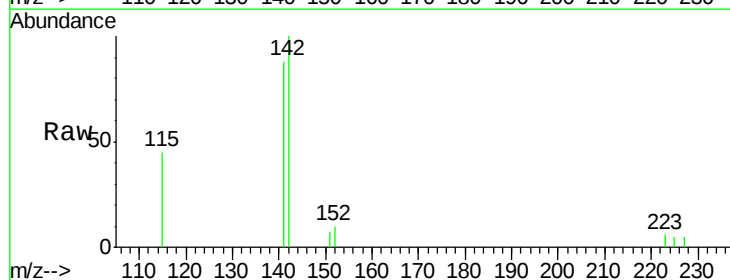
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#11
2-Methylnaphthalene
Concen: 0.020 ng
RT: 11.86 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.0	103.6
115	45.3	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: BN007103.D

Acq: 12 Aug 2019 18:18

Instrument :

BNA_N

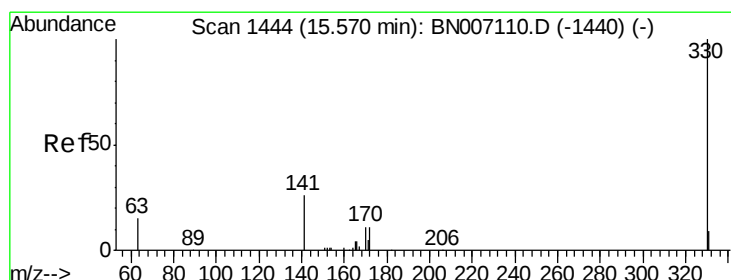
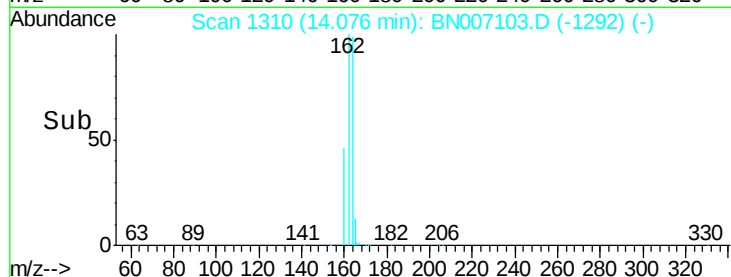
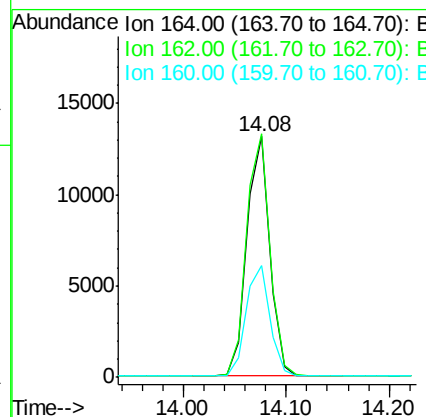
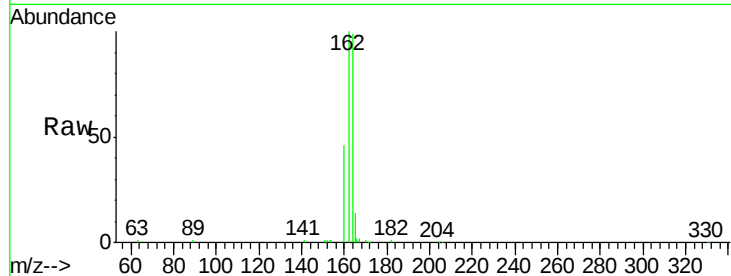
ClientSampleId :

EXT-006-SW132-073019

Tot Ion:	164	Resp:	20186
Ion Ratio	Lower	Upper	
164	100		
162	101.3	82.2	123.4
160	46.5	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.165 ng

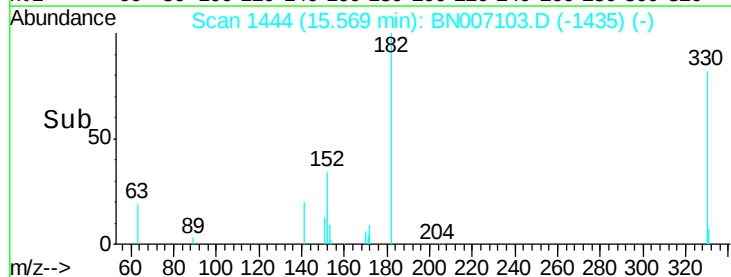
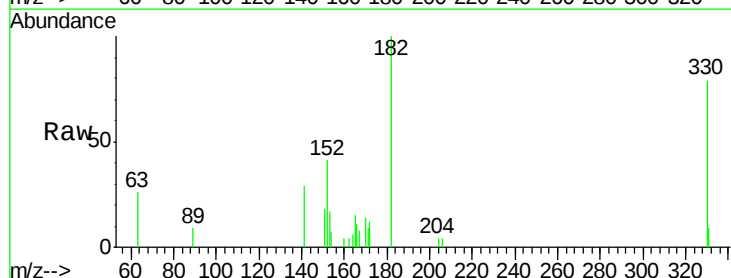
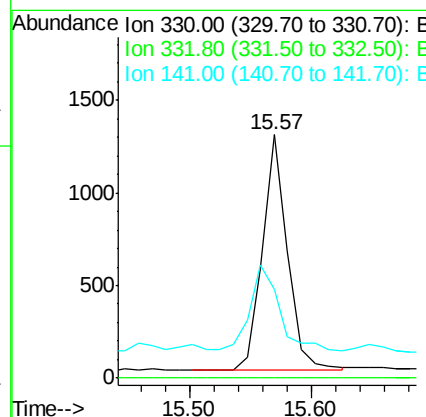
RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Tgt Ion:	330	Resp:	1796
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	43.1	33.6	50.4





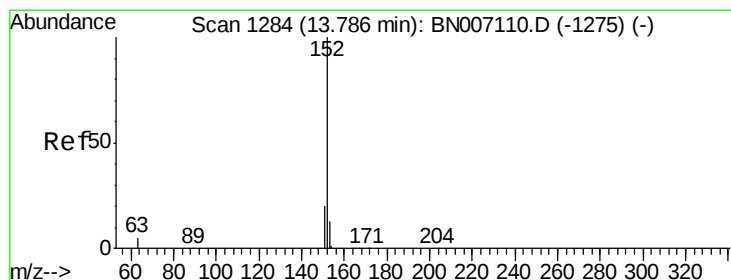
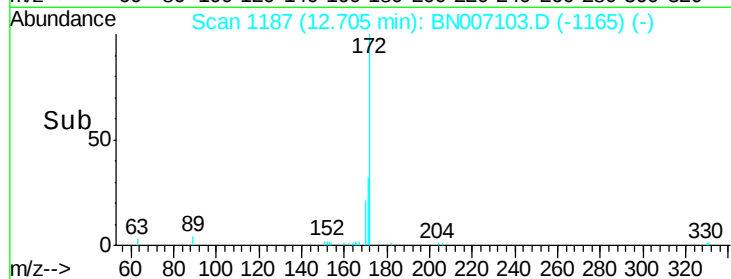
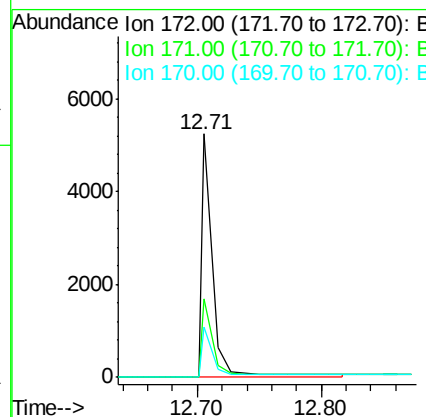
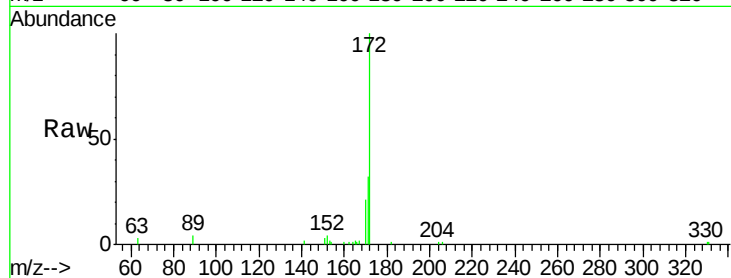
#14
2-Fluorobiphenyl
Concen: 0.134 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW132-073019

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.4	26.3	39.5
170	20.6	17.0	25.4

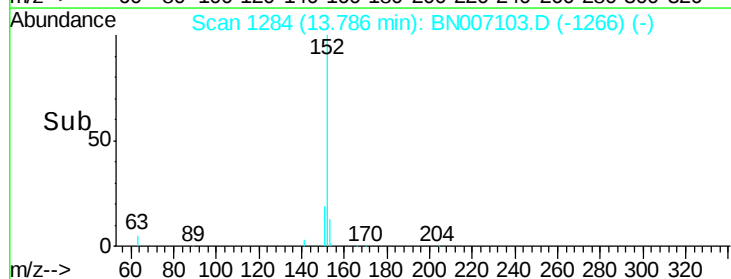
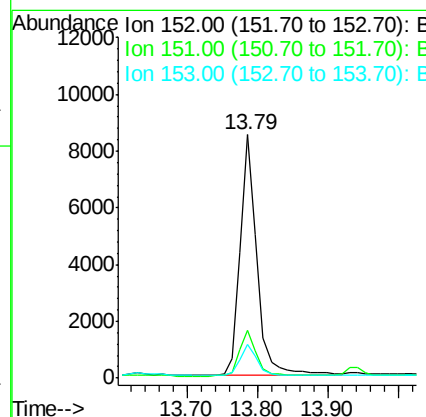
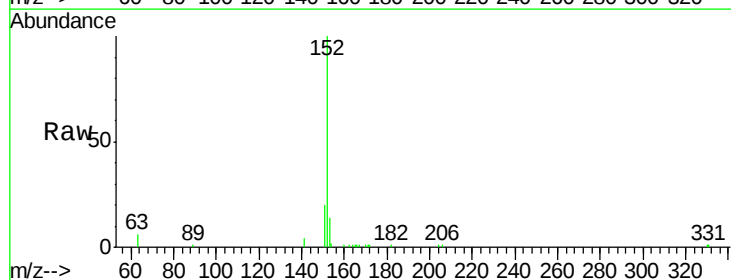
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#15
Acenaphthylene
Concen: 0.136 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.4	10.4	15.6





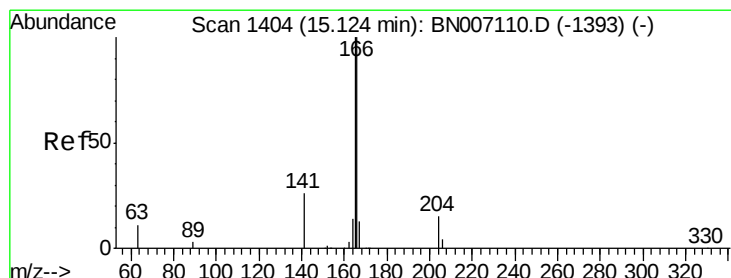
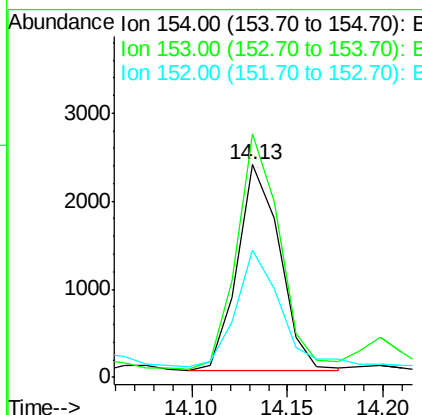
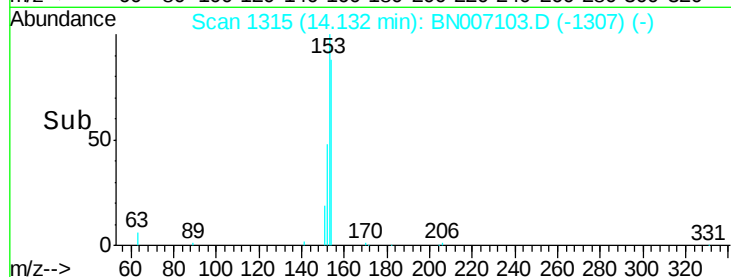
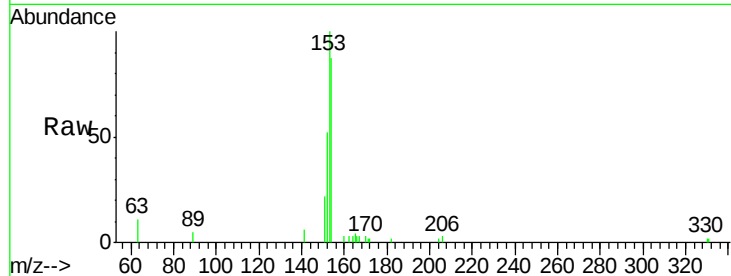
#16
Acenaphthene
Concen: 0.053 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW132-073019

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.2	89.5	134.3
152	63.6	44.8	67.2

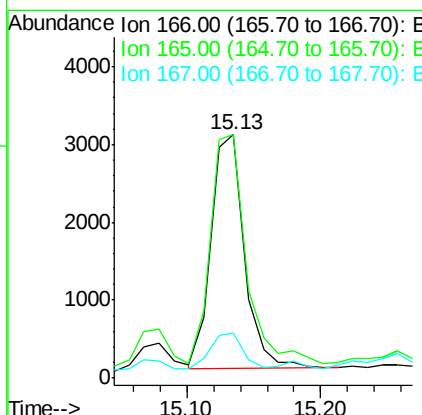
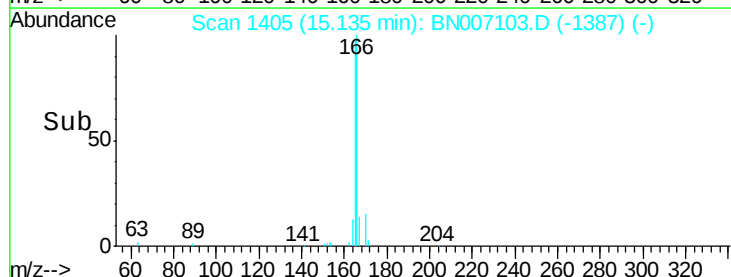
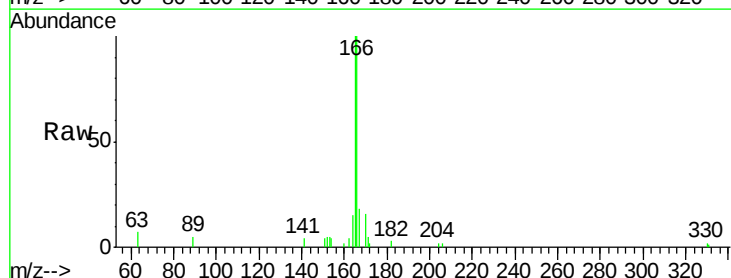
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#17
Fluorene
Concen: 0.052 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.3	77.9	116.9
167	16.0	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: BN007103.D

Acq: 12 Aug 2019 18:18

Instrument :

BNA_N

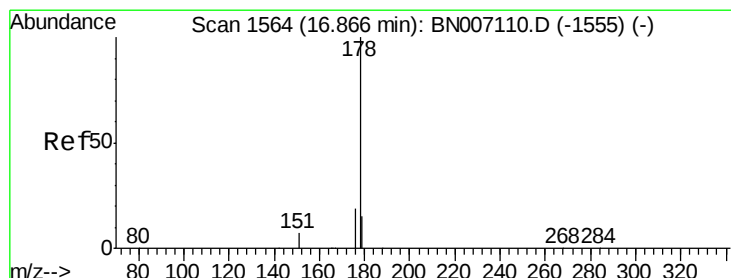
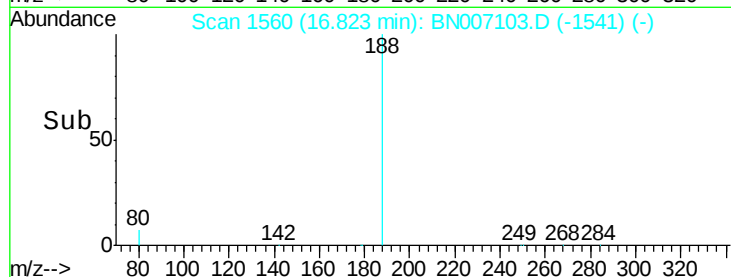
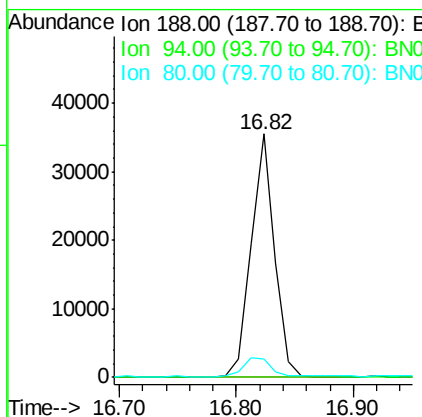
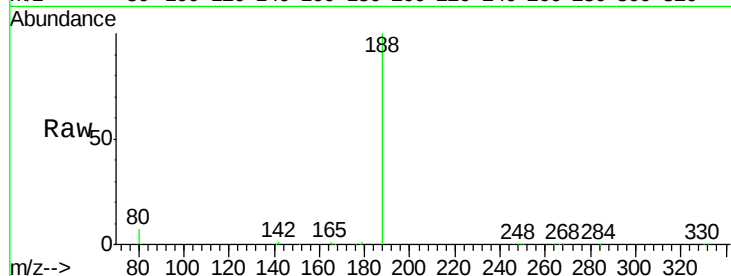
ClientSampleId :

EXT-006-SW132-073019

Tot Ion:	188	Resp:	49067
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.4	7.8	11.6#

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#22

Phenanthrene

Concen: 1.242 ng

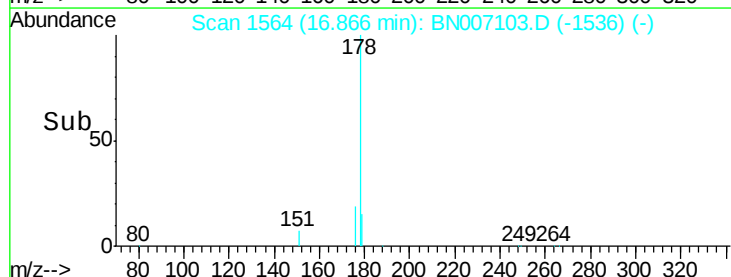
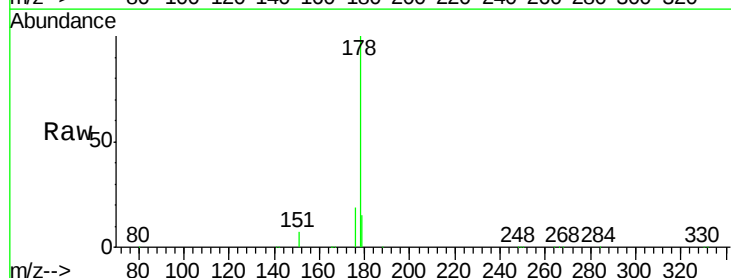
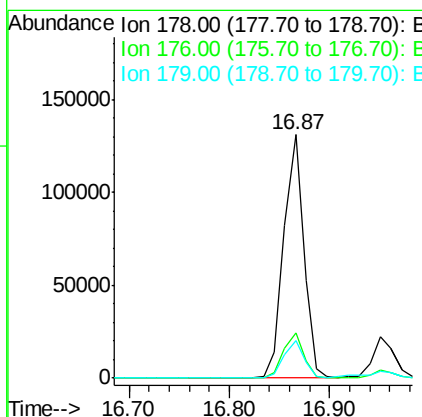
RT: 16.87 min Scan# 1564

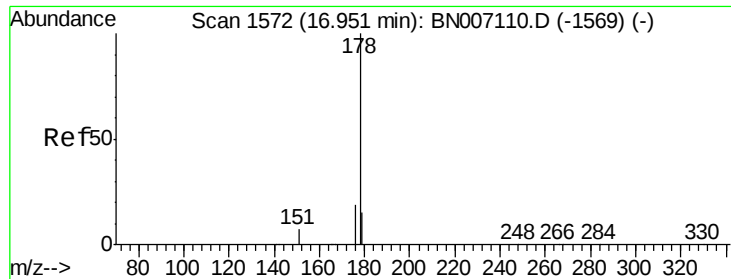
Delta R.T. -0.00 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Tgt Ion:	178	Resp:	182669
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.3	12.3	18.5





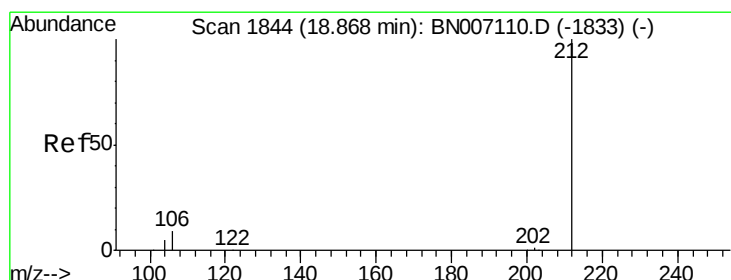
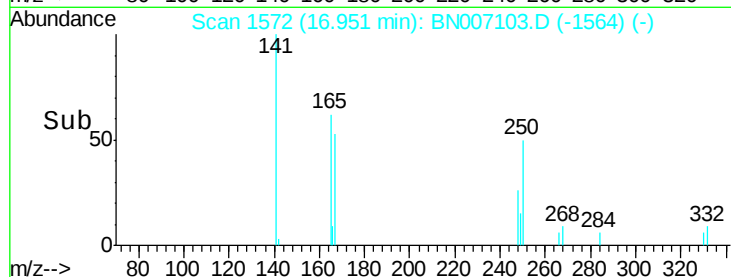
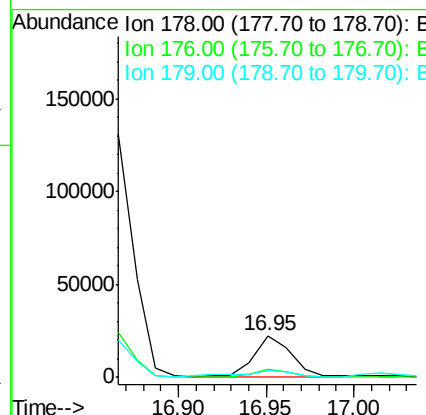
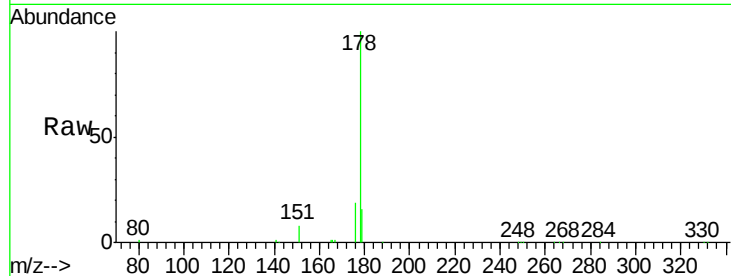
#23
 Anthracene
 Concen: 0.239 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007103.D
 Acq: 12 Aug 2019 18:18

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW132-073019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	21.1	12.5	18.7

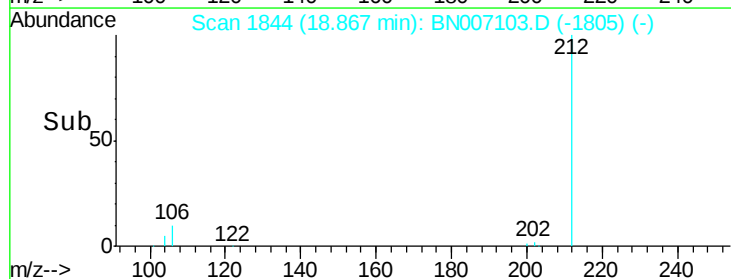
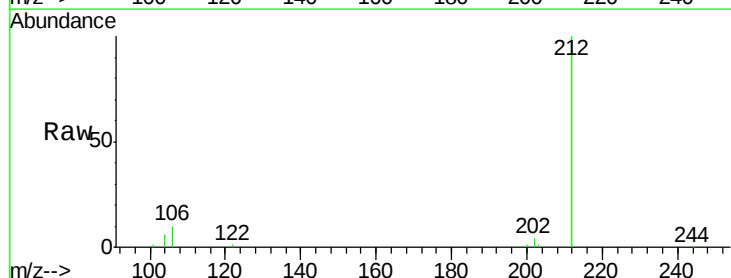
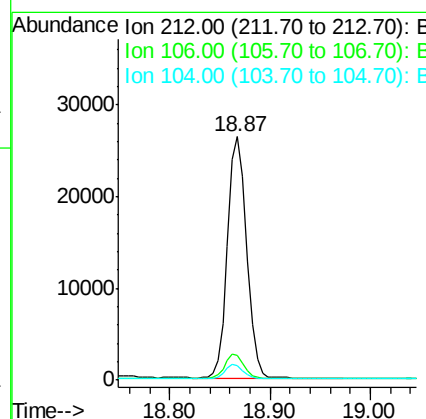
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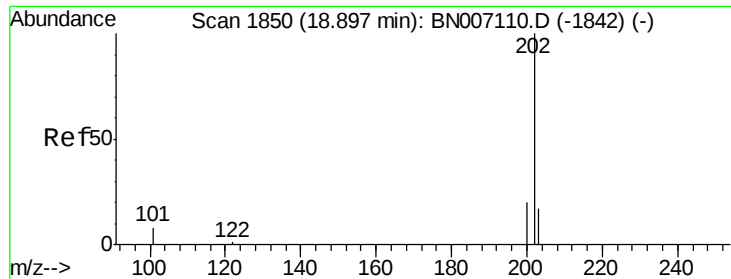
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#24
 Fluoranthene-d10
 Concen: 0.202 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007103.D
 Acq: 12 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.0	8.2	12.2
104	5.7	4.5	6.7





#25

Fluoranthene

Concen: 2.009 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Instrument :

BNA_N

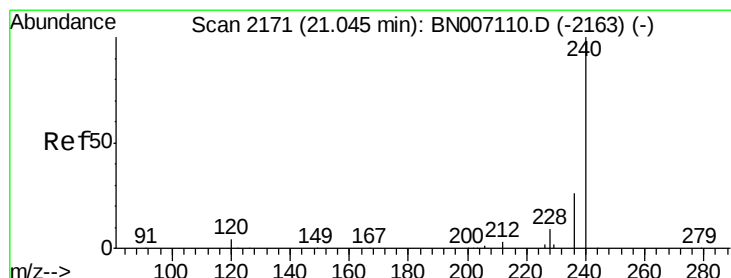
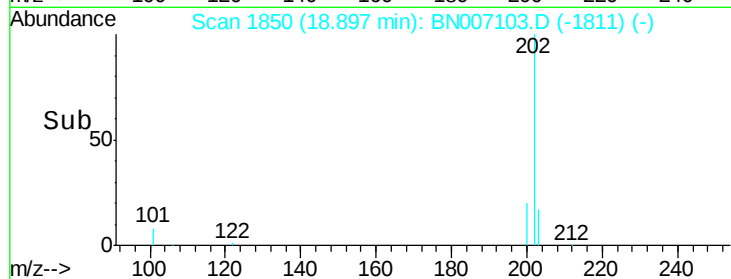
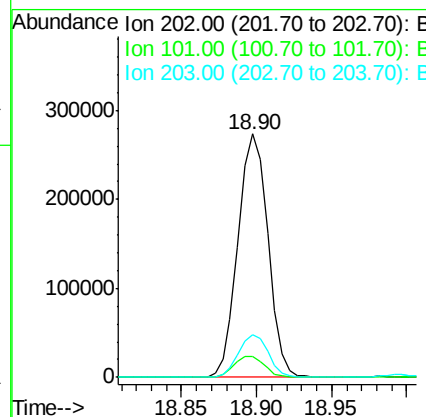
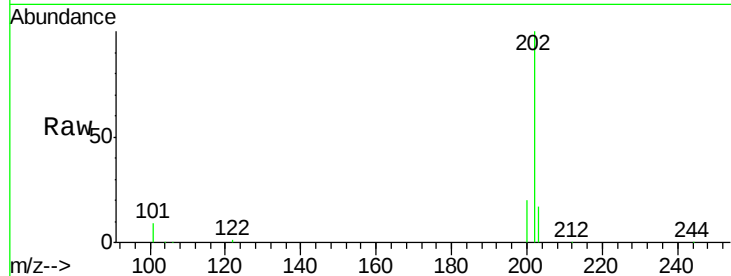
ClientSampleId :

EXT-006-SW132-073019

Tot Ion:	202	Resp:	377965
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.0	10.4
203	17.4	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

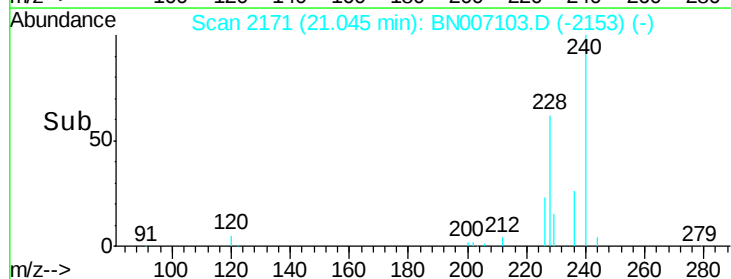
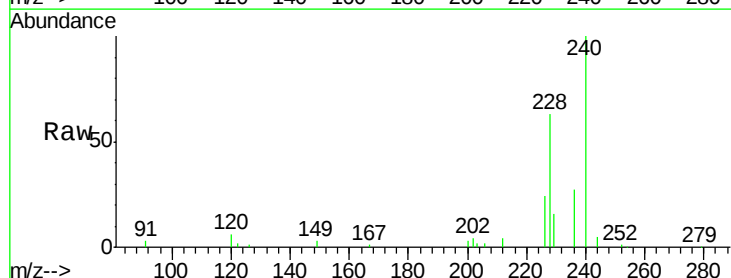
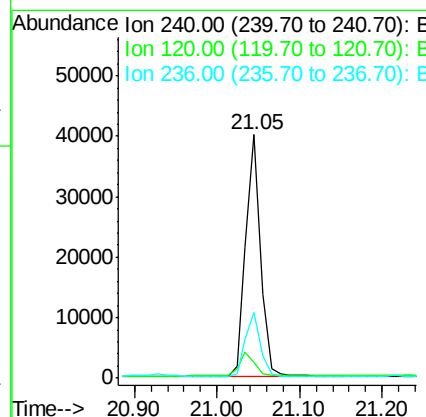
RT: 21.05 min Scan# 2171

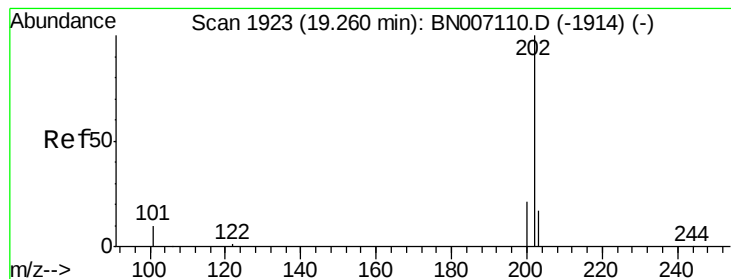
Delta R.T. -0.01 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Tgt Ion:	240	Resp:	50795
Ion Ratio	Lower	Upper	
240	100		
120	6.4	4.0	6.0#
236	27.0	21.3	31.9





#27

Pvrene

Concen: 1.887 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Instrument :

BNA_N

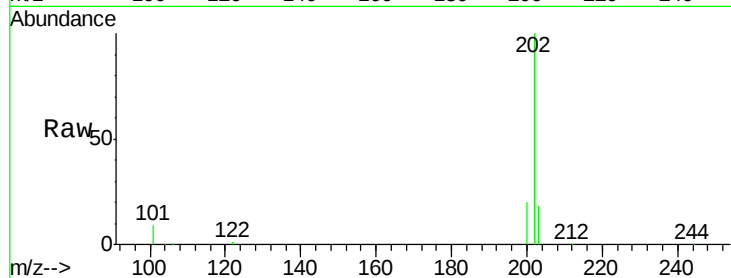
ClientSampleId :

EXT-006-SW132-073019

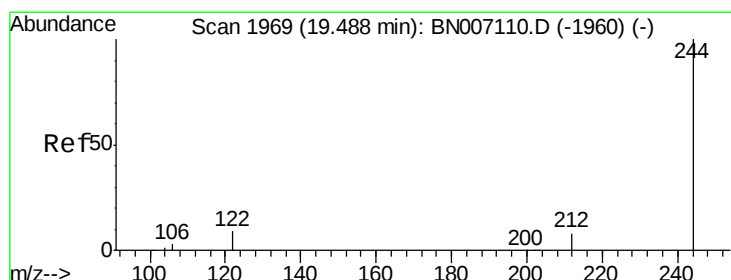
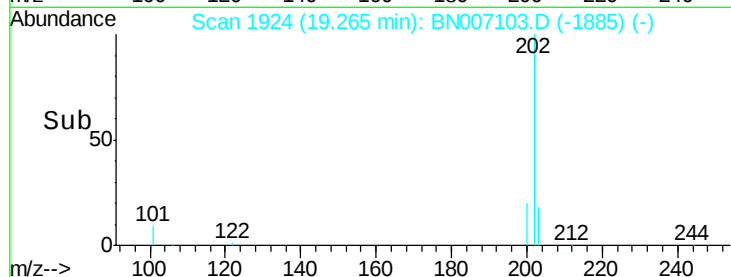
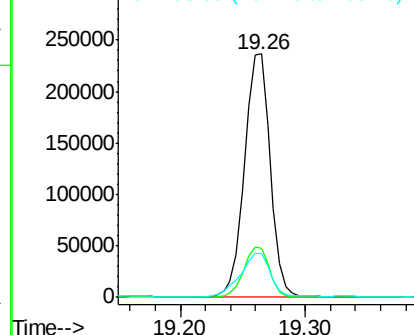
Tot Ion:	202	Resp:	336128
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.6	24.8
203	21.4	14.0	21.0#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#28

Terphenyl-d14

Concen: 0.186 ng

RT: 19.49 min Scan# 1969

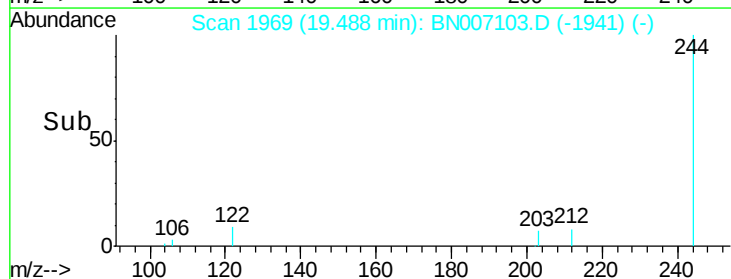
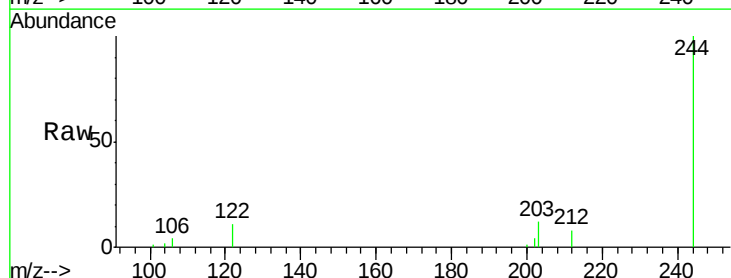
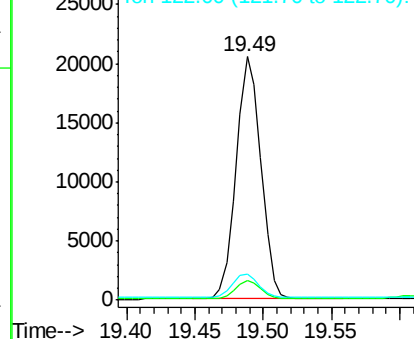
Delta R.T. -0.01 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Tgt Ion:	244	Resp:	25726
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.2	9.2
122	10.6	7.4	11.2

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 1.055 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Instrument :

BNA_N

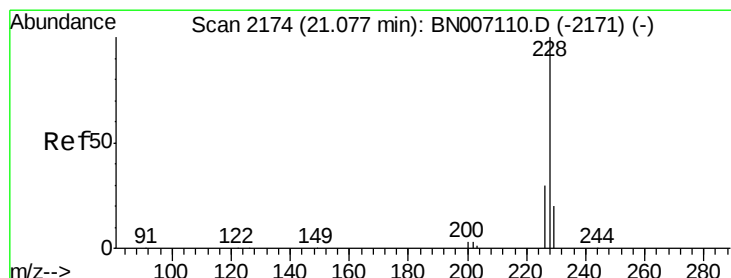
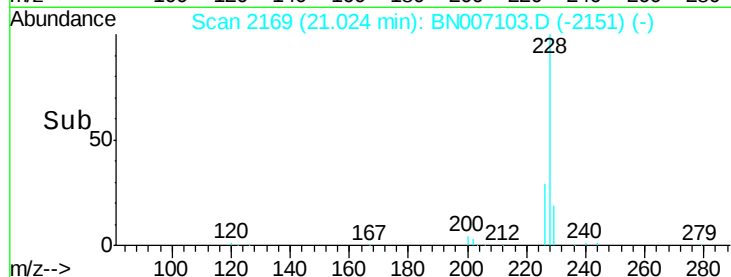
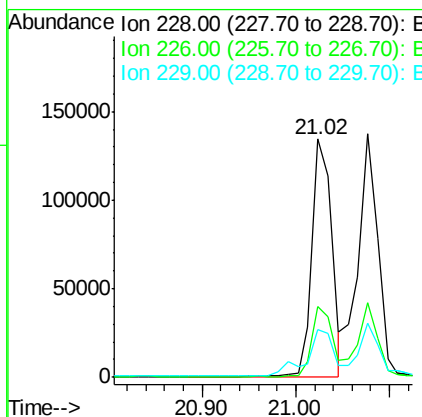
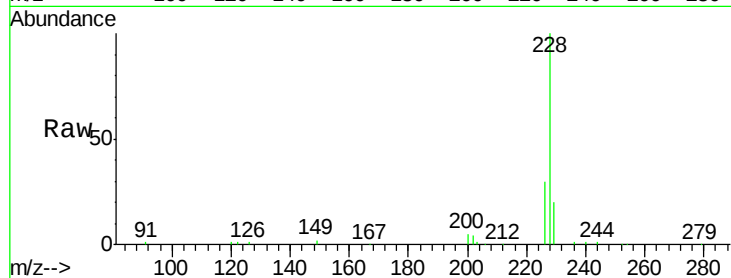
ClientSampleId :

EXT-006-SW132-073019

Tot Ion:	228	Resp:	196039
Ion Ratio	Lower	Upper	
228	100		
226	29.7	21.8	32.6
229	20.1	15.6	23.4

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#30

Chrysene

Concen: 0.995 ng

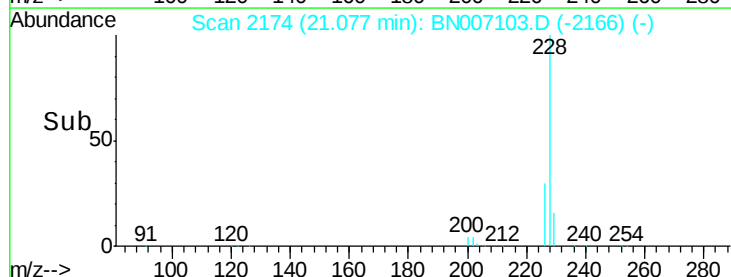
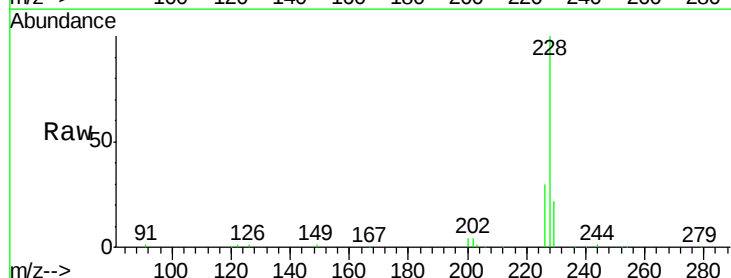
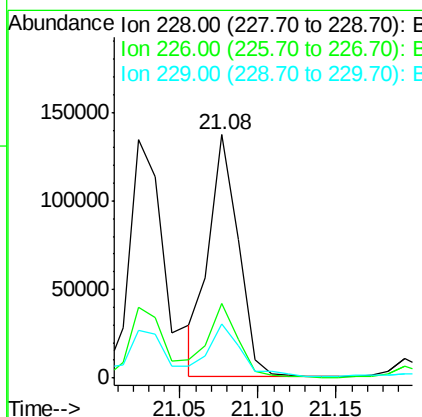
RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007103.D

Acq: 12 Aug 2019 18:18

Tgt Ion:	228	Resp:	179574
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.8	35.6
229	22.0	15.7	23.5





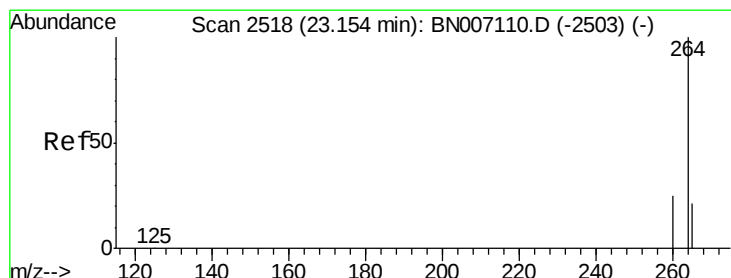
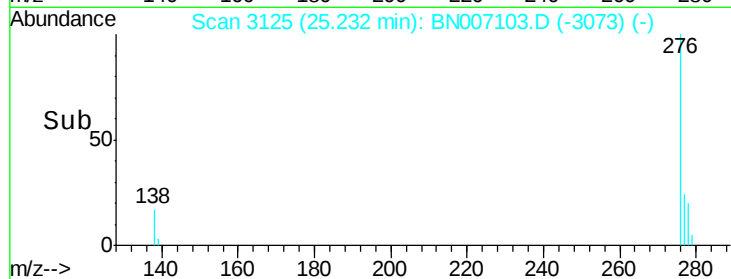
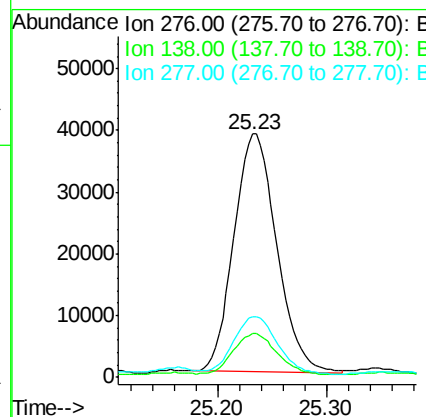
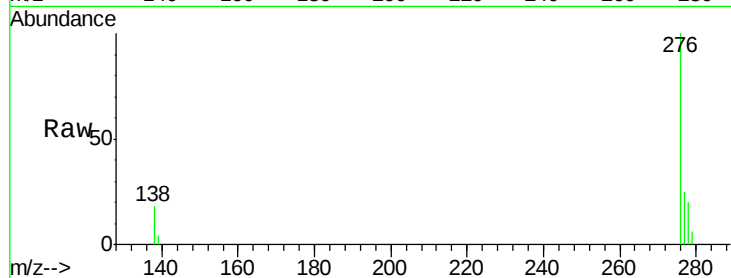
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.528 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW132-073019

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.8	16.0	24.0
277	24.5	19.9	29.9

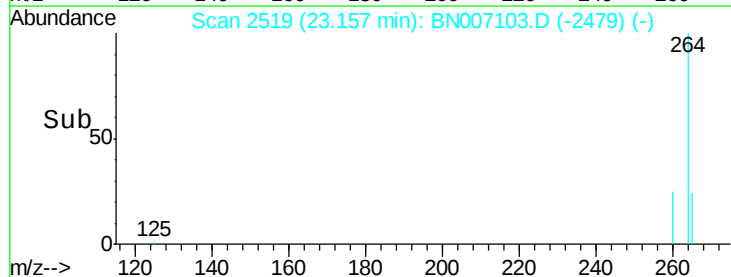
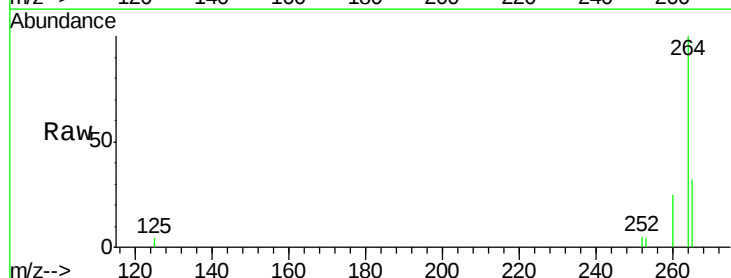
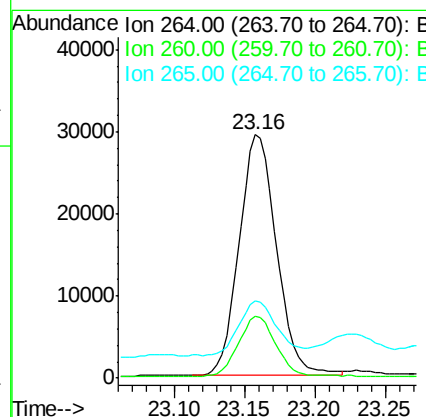
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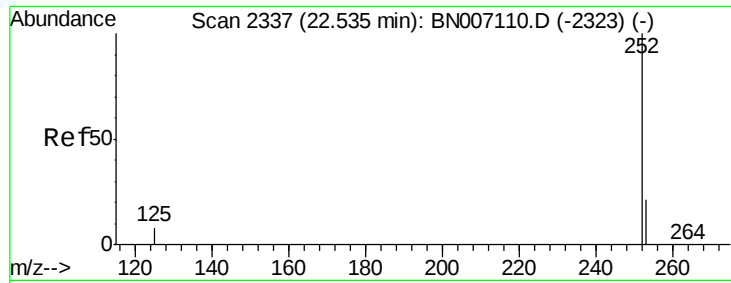
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#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.8	29.8
265	31.7	26.2	39.4





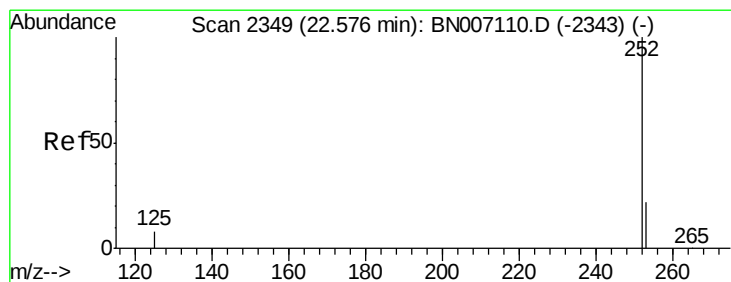
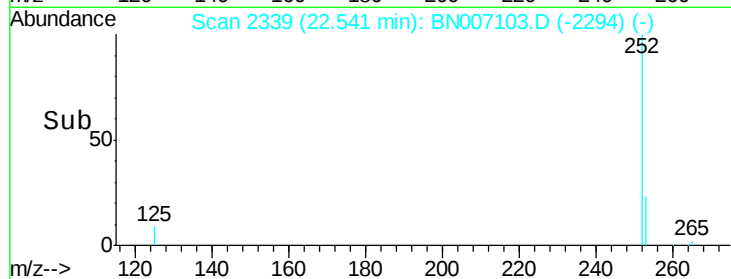
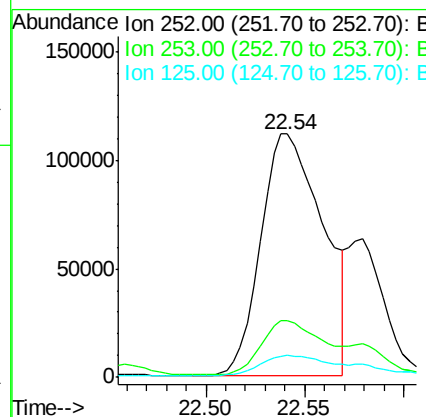
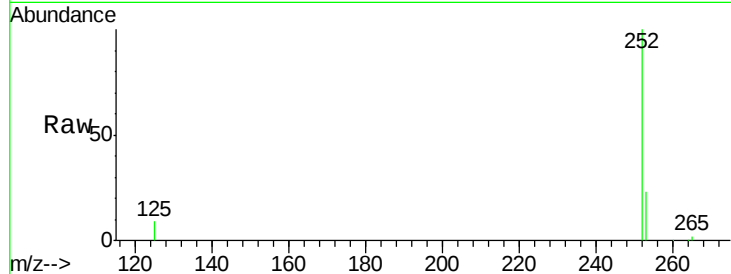
#33
Benzo(b)fluoranthene
Concen: 1.300 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW132-073019

Tot Ion	Ratio	Resp	Lower	Upper
252	100	243651		
253	23.1	18.2	27.2	
125	9.0	7.4	11.0	

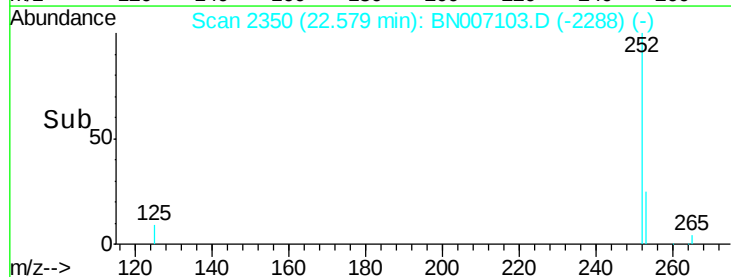
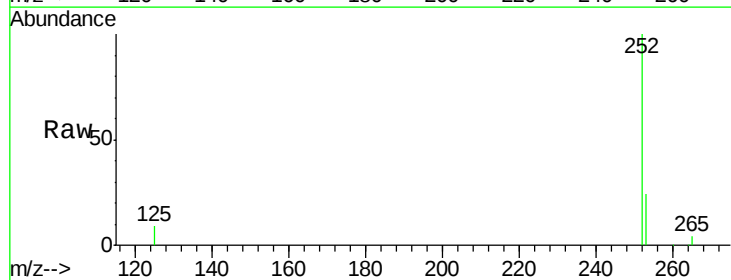
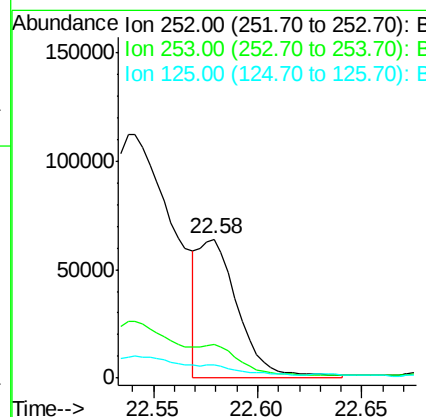
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#34
Benzo(k)fluoranthene
Concen: 0.454 ng m
RT: 22.58 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	84043		
253	24.4	18.1	27.1	
125	9.1	7.4	11.0	





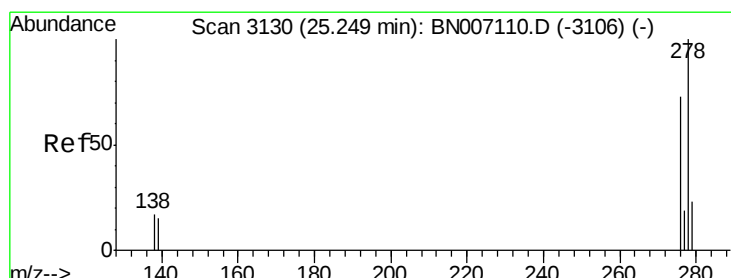
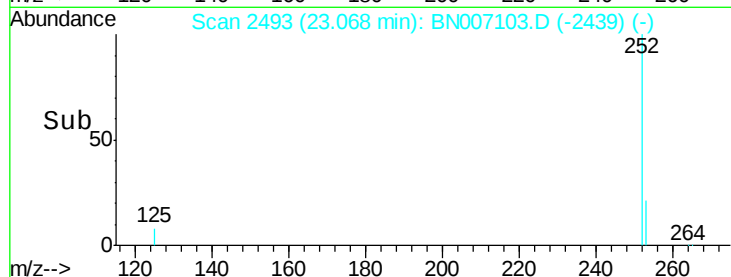
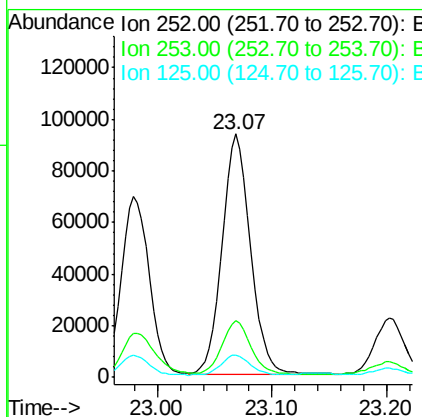
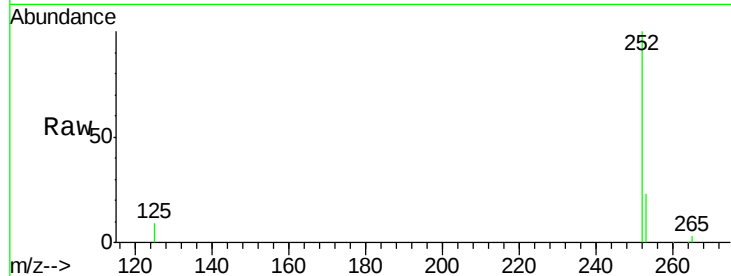
#35
Benzo(a)pyrene
Concen: 0.959 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW132-073019

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	9.3	8.2	12.4

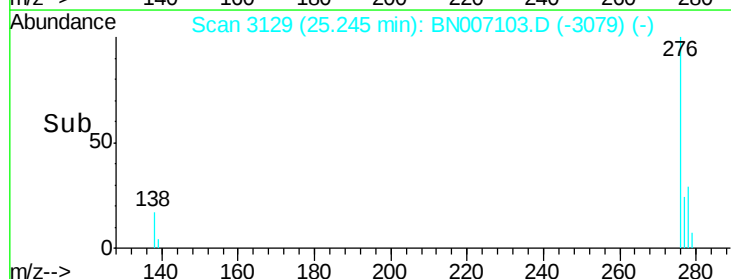
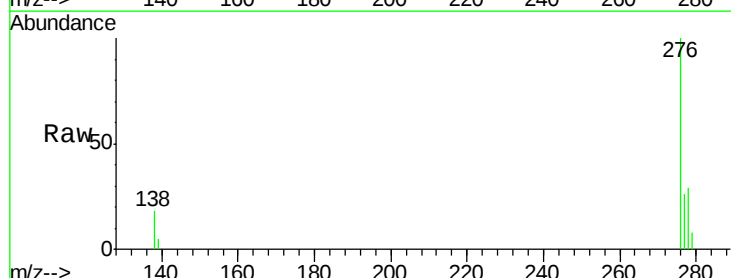
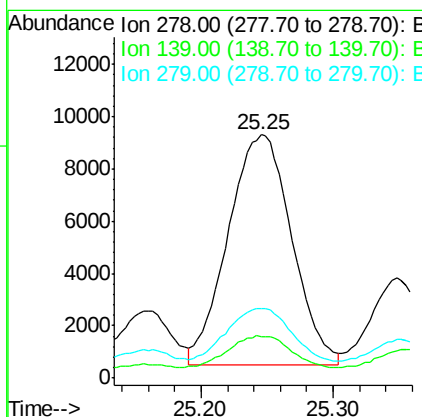
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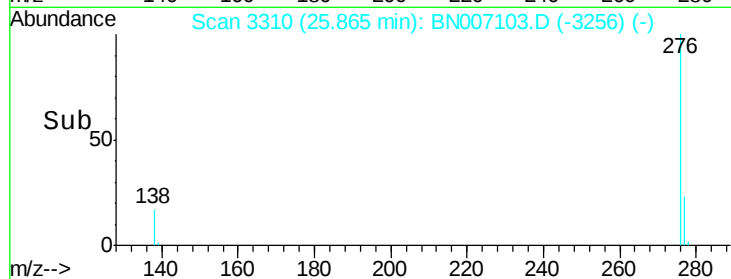
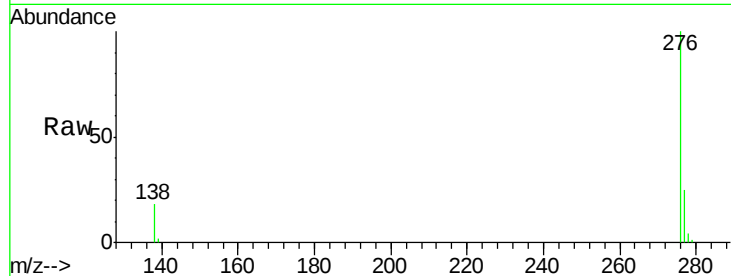
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#36
Dibenzo(a,h)anthracene
Concen: 0.173 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	11.3	16.9#
279	28.5	19.3	28.9





#37
Benzo(a,h,i)perylene
Concen: 0.590 ng
RT: 25.86 min Scan# 3310
Delta R.T. -0.01 min
Lab File: BN007103.D
Acq: 12 Aug 2019 18:18

Tot Ion:	276	Resp:	102845
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.8	29.8
138	18.2	14.6	22.0

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW132-073019

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