

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007102.D
 Acq On : 12 Aug 2019 17:42
 Operator : HP/JU
 Sample : K4143-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW131-073019

Manual Integrations
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mohammad
 8/14/2019 2:51:43 AM

Quant Time: Aug 13 05:14:10 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	9013	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	33901	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	19349	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	47852	0.40	ng	0.00
26) Chrysene-d12	21.04	240	49350	0.40	ng	-0.01
32) Perylene-d12	23.16	264	60011	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6416	0.30	ng	0.00
4) Phenol-d6	6.61	99	8704	0.32	ng	0.00
7) Nitrobenzene-d5	8.56	82	6720	0.25	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	16148	0.26	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1957	0.19	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4009	0.14	ng	0.00
24) Fluoranthene-d10	18.87	212	40361	0.24	ng	0.00
28) Terphenyl-d14	19.49	244	29884	0.22	ng	-0.01

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	2695	0.028	ng	# 91
15) Acenaphthylene	13.79	152	12167	0.120	ng	99
16) Acenaphthene	14.13	154	1639	0.025	ng	93
17) Fluorene	15.13	166	2759	0.028	ng	93
22) Phenanthrene	16.87	178	78591	0.548	ng	100
23) Anthracene	16.95	178	17311	0.132	ng	# 94
25) Fluoranthene	18.90	202	210312	1.146	ng	100
27) Pyrene	19.26	202	194539	1.124	ng	# 96
29) Benzo(a)anthracene	21.02	228	120884	0.670	ng	96
30) Chrysene	21.08	228	124453	0.710	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	67977	0.352	ng	98
33) Benzo(b)fluoranthene	22.54	252	153830	0.748	ng	99
34) Benzo(k)fluoranthene	22.57	252	54484m	0.268	ng	
35) Benzo(a)pyrene	23.07	252	102358	0.549	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	18933	0.102	ng	# 90
37) Benzo(g,h,i)perylene	25.86	276	70025	0.366	ng	100

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

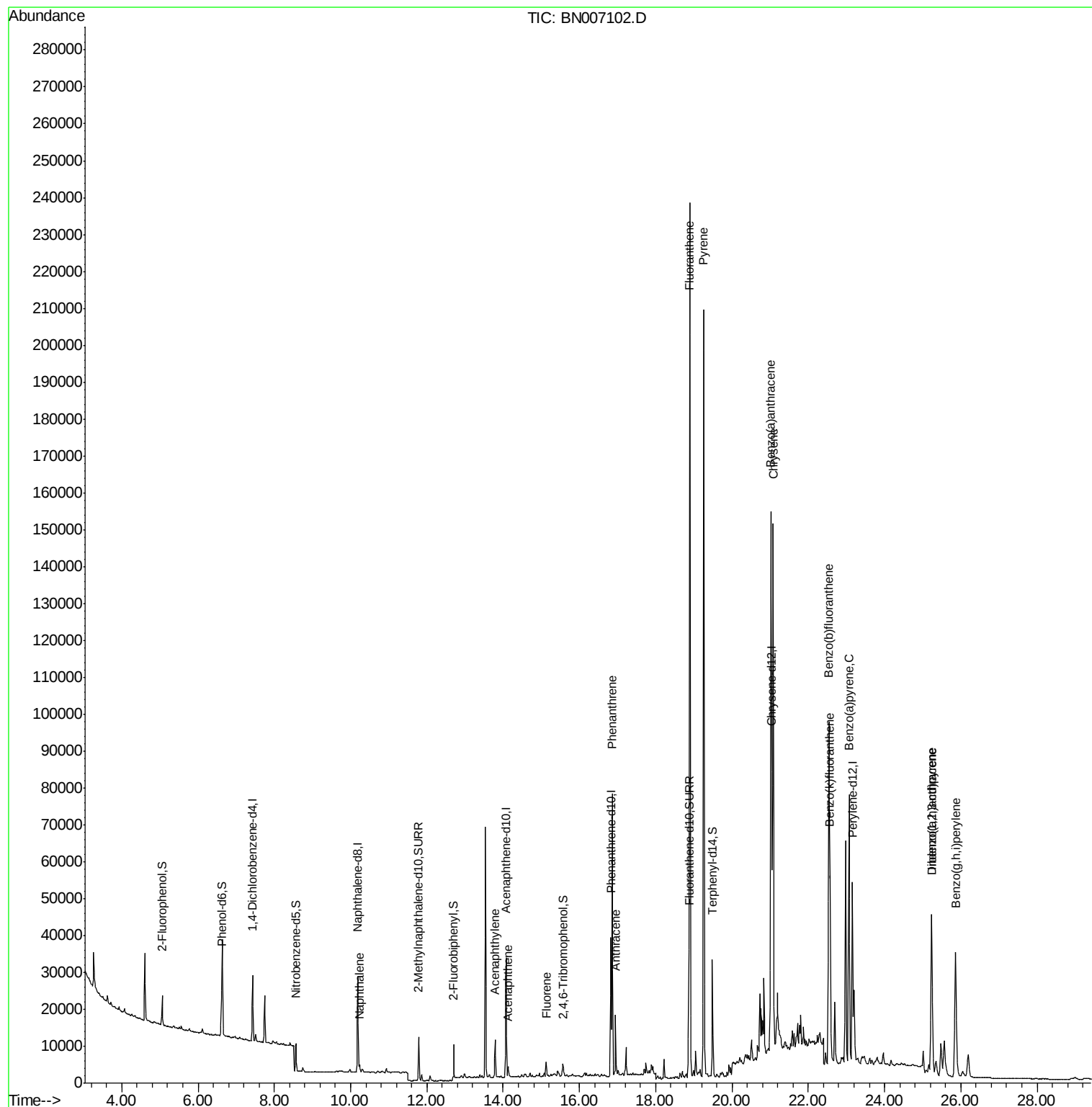
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007102.D
Acq On : 12 Aug 2019 17:42
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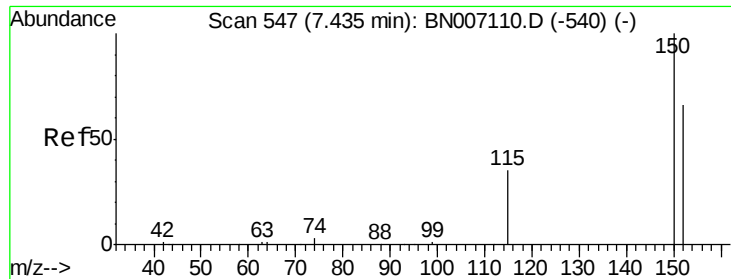
Instrument :
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EXT-006-SW131-073019

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

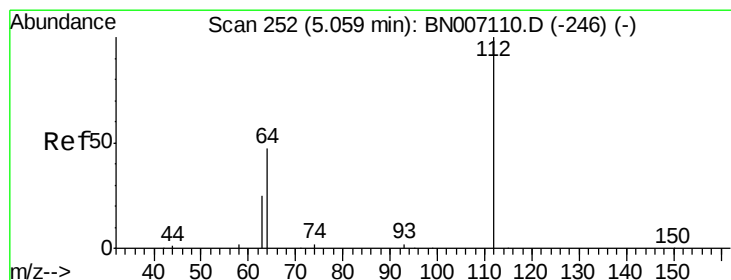
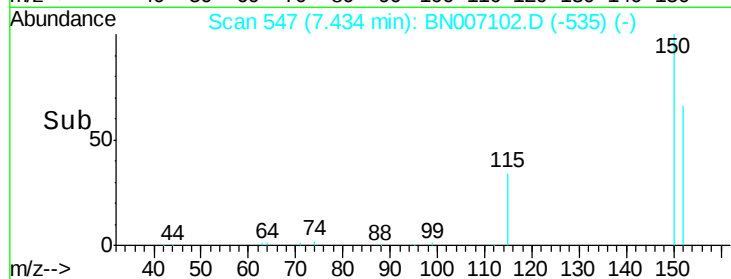
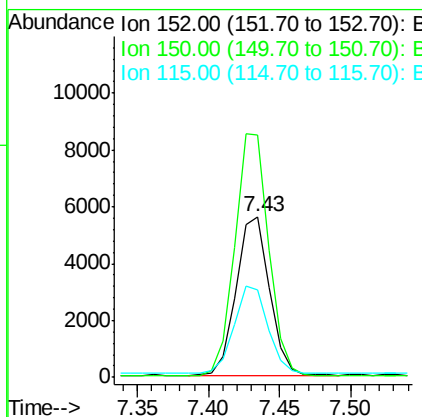
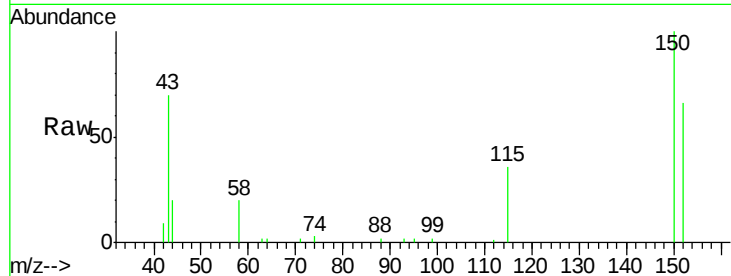
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW131-073019

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	121.7	182.5
115	54.4	46.2	69.4

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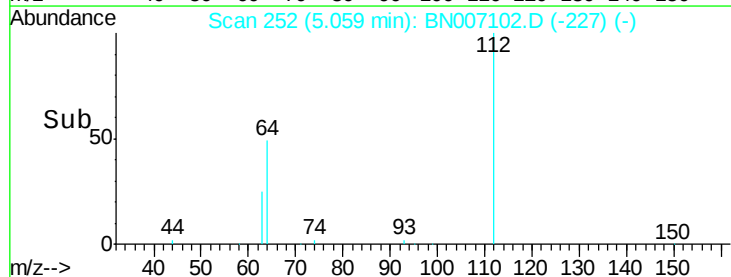
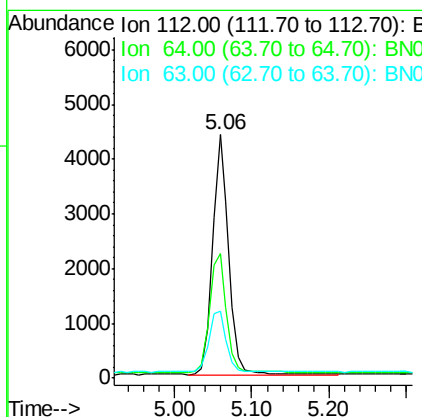
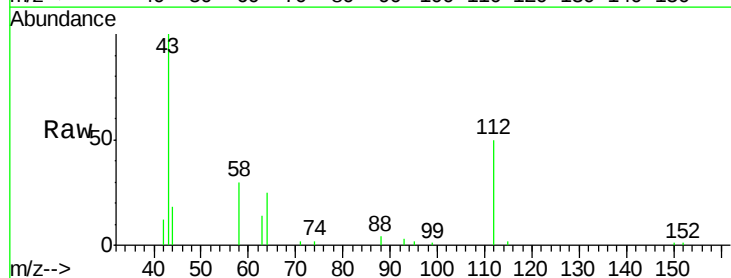
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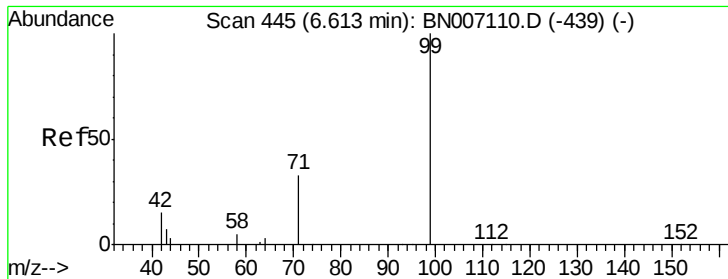


#3

2-Fluorophenol
Concen: 0.296 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	42.6	63.8
63	27.2	22.2	33.2





#4

Phenol-d6

Concen: 0.324 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007102.D

Acq: 12 Aug 2019 17:42

Instrument :

BNA_N

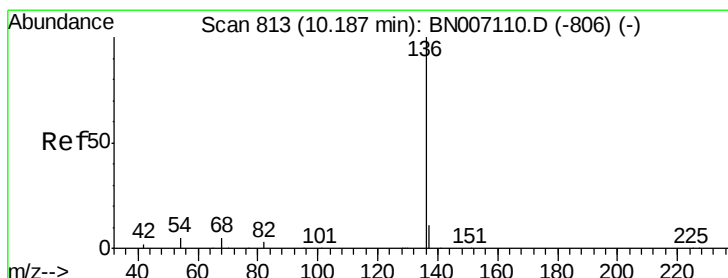
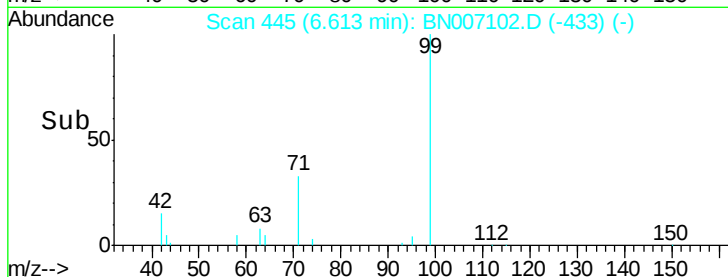
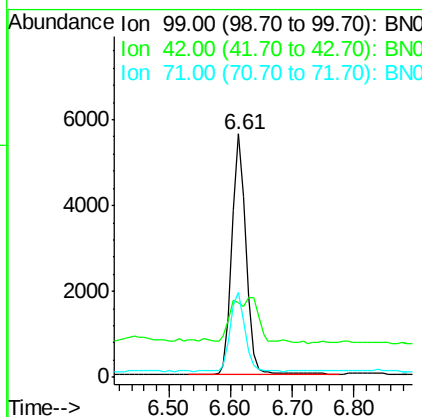
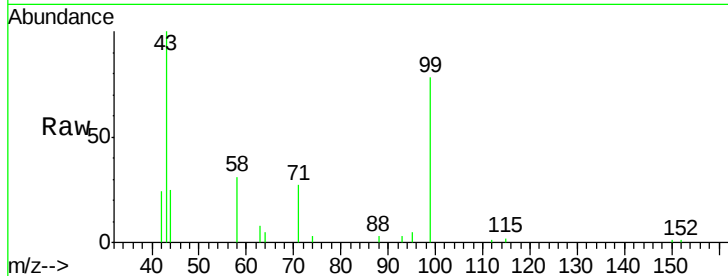
ClientSampleId :

EXT-006-SW131-073019

Tot Ion:	99	Resp:	8704
Ion Ratio	Lower	Upper	
99	100		
42	33.9	15.8	23.6#
71	34.4	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

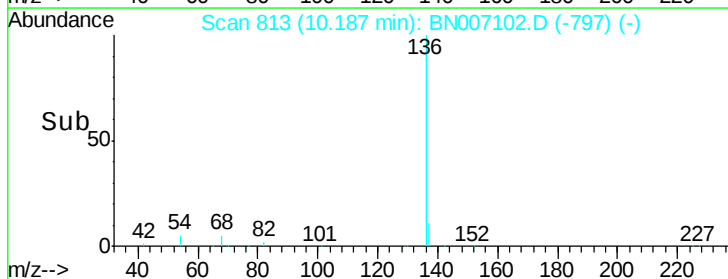
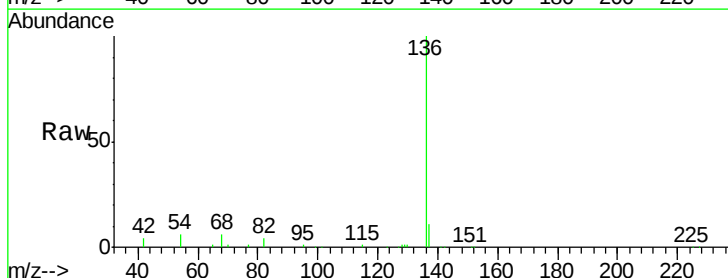
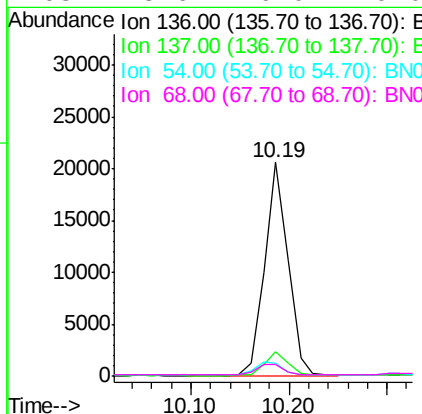
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007102.D

Acq: 12 Aug 2019 17:42

Tgt Ion:	136	Resp:	33901
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	6.0	6.6	9.8#
68	5.6	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.246 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007102.D

Acq: 12 Aug 2019 17:42

Instrument :

BNA_N

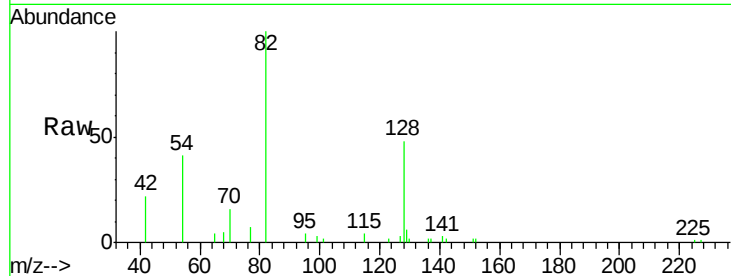
ClientSampleId :

EXT-006-SW131-073019

Tot Ion:	82	Resp:	6720
Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.6	51.8
54	41.3	36.2	54.4

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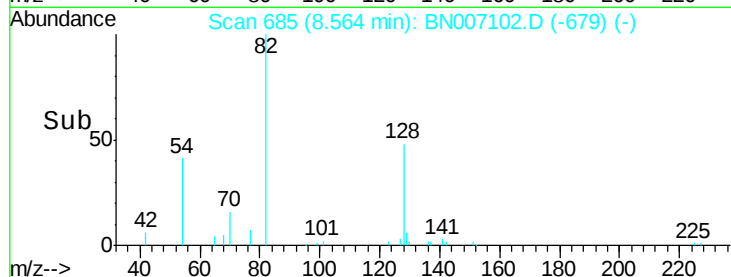


Abundance Ion 82.00 (81.70 to 82.70): BN007102.D (-679) (-)

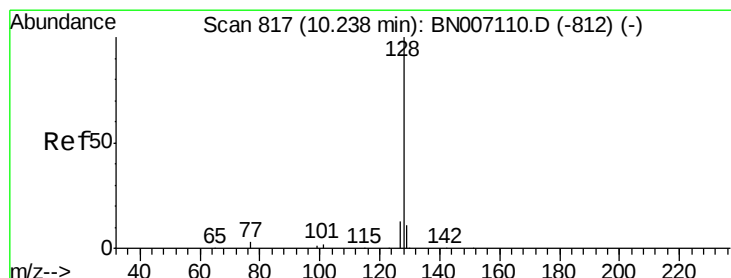
Ion 128.00 (127.70 to 128.70): BN007102.D (-679) (-)

Ion 54.00 (53.70 to 54.70): BN007102.D (-679) (-)

Time-->



Time-->



#8

Naphthalene

Concen: 0.028 ng

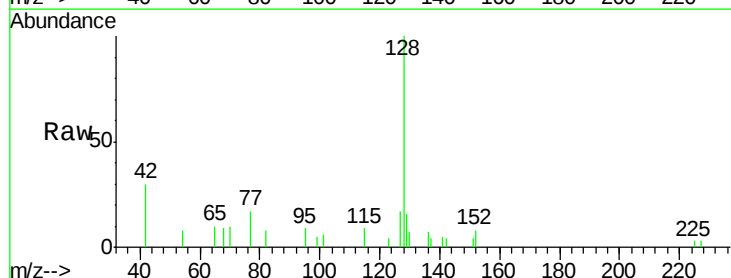
RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007102.D

Acq: 12 Aug 2019 17:42

Tgt Ion:	128	Resp:	2695
Ion	Ratio	Lower	Upper
128	100		
129	16.5	9.4	14.2#
127	16.6	11.0	16.6#

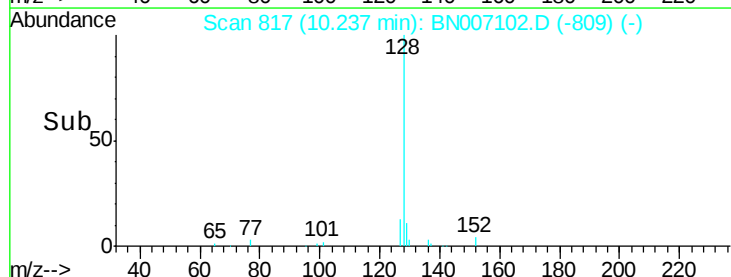


Abundance Ion 128.00 (127.70 to 128.70): BN007102.D (-809) (-)

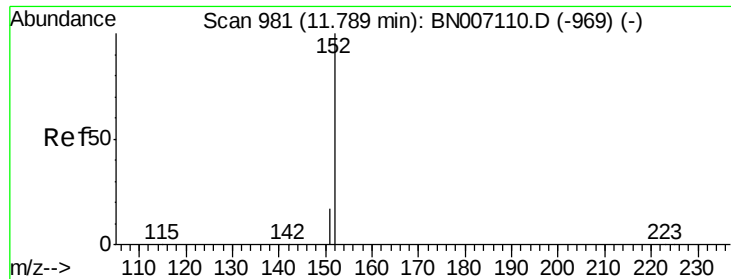
Ion 129.00 (128.70 to 129.70): BN007102.D (-809) (-)

Ion 127.00 (126.70 to 127.70): BN007102.D (-809) (-)

Time-->



Time-->



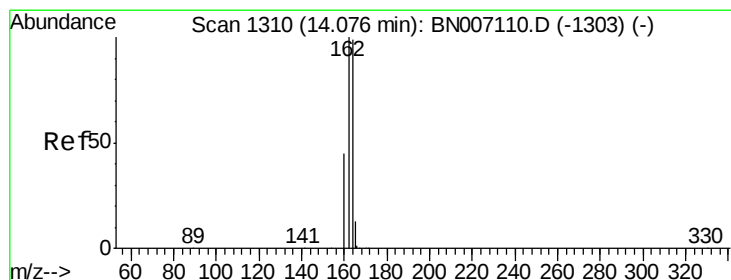
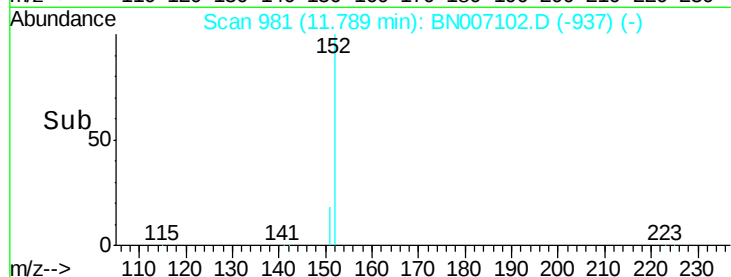
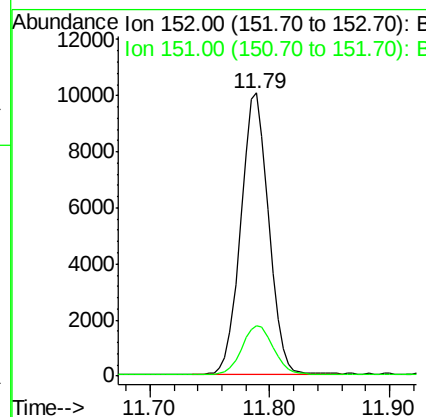
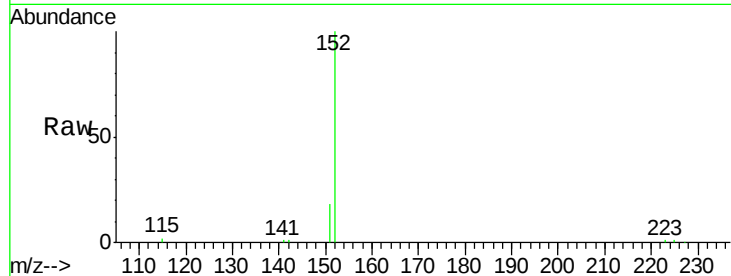
#10
2-Methylnaphthalene-d10
Concen: 0.255 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.01 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW131-073019

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3

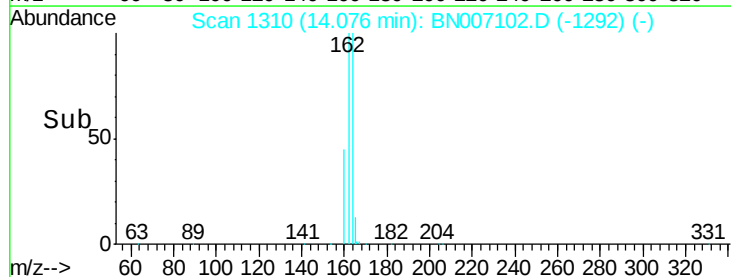
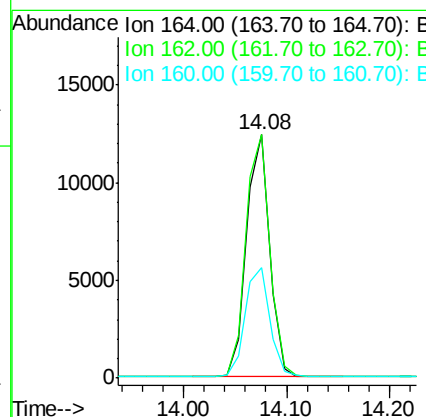
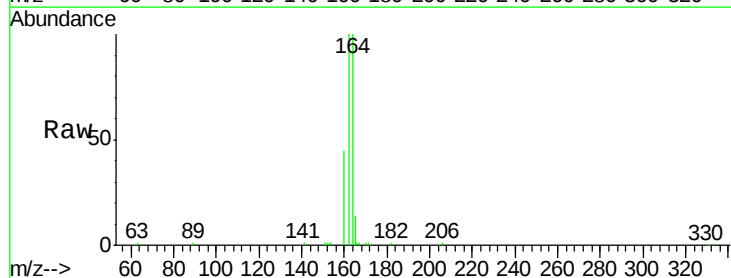
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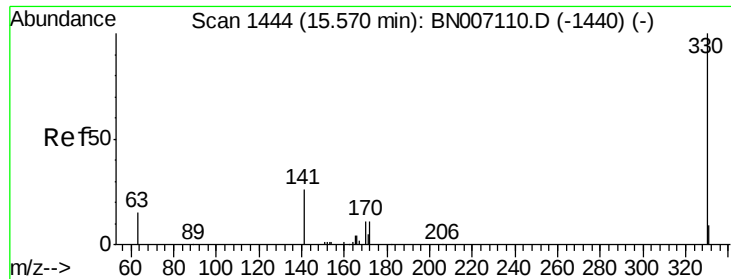
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#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.2	123.4
160	45.5	38.3	57.5





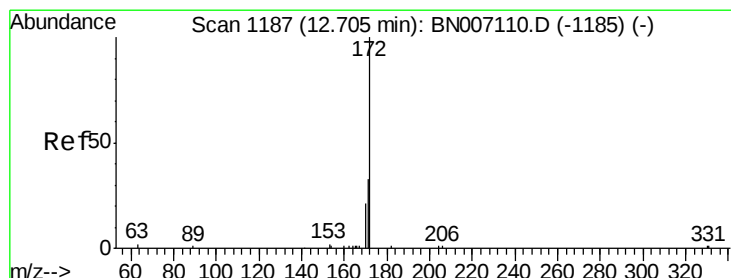
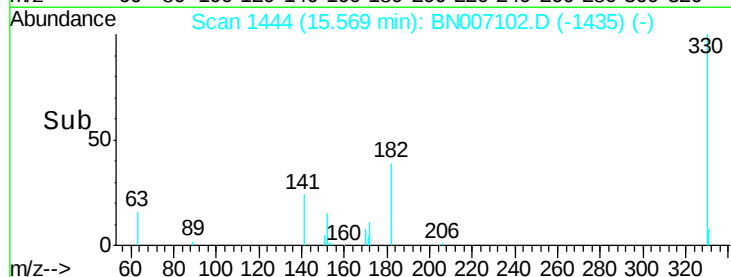
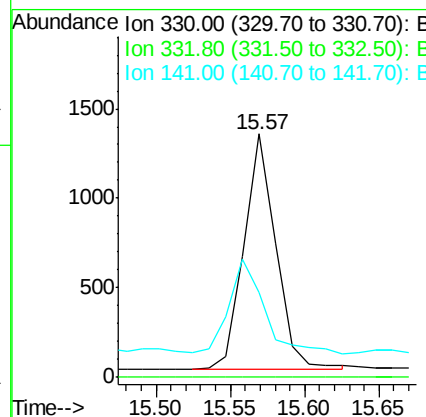
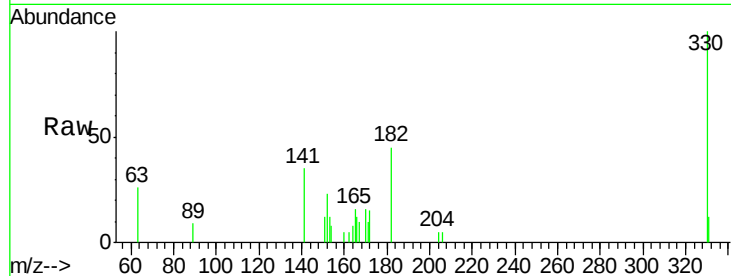
#13
 2,4,6-Tribromophenol
 Concen: 0.188 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Instrument :
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 EXT-006-SW131-073019

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.8	33.6	50.4

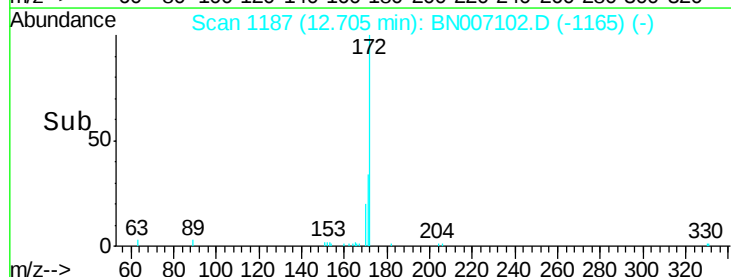
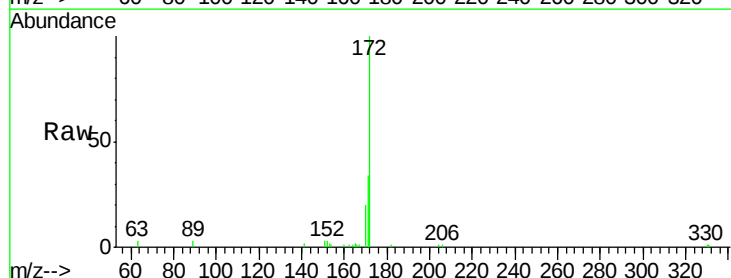
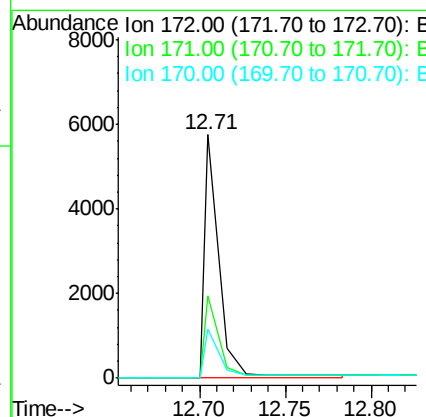
Manual Integrations
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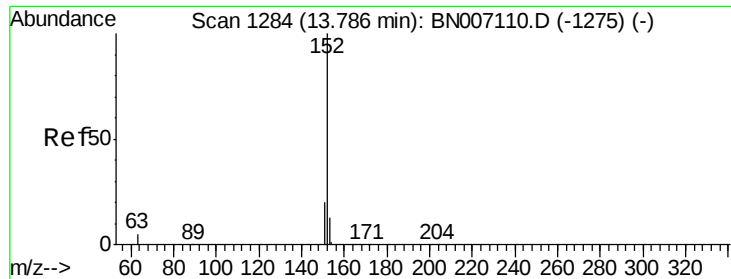
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#14
 2-Fluorobiphenyl
 Concen: 0.143 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.3	39.5
170	20.3	17.0	25.4





#15

Acenaphthylene

Concen: 0.120 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007102.D

Acq: 12 Aug 2019 17:42

Instrument :

BNA_N

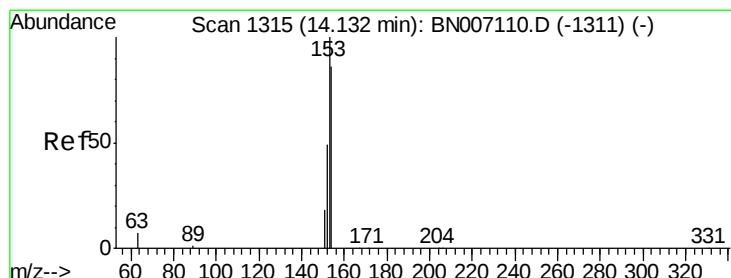
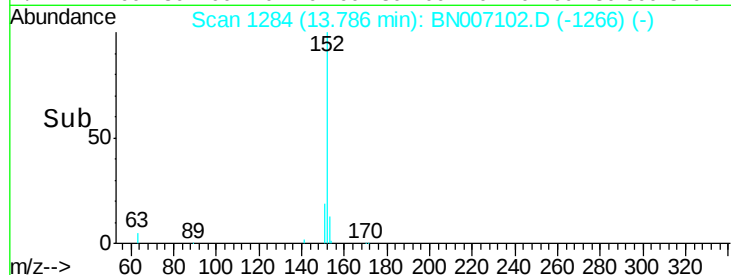
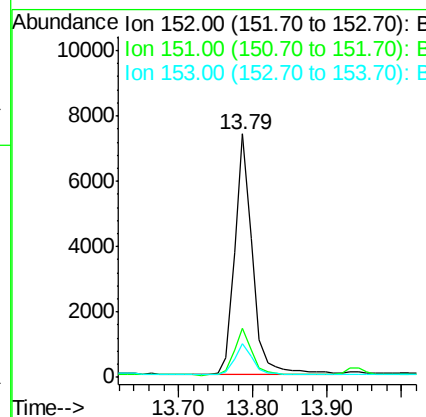
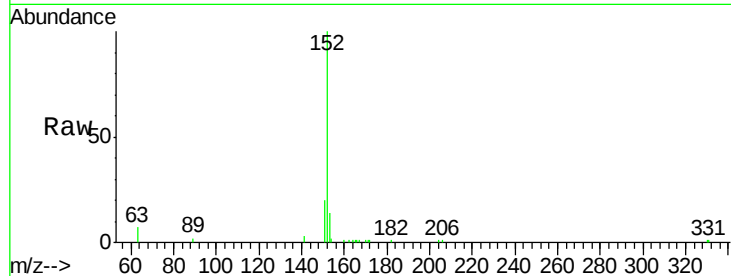
ClientSampleId :

EXT-006-SW131-073019

Tot Ion:	152	Resp:	12167
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.6
153	13.5	10.4	15.6

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#16

Acenaphthene

Concen: 0.025 ng

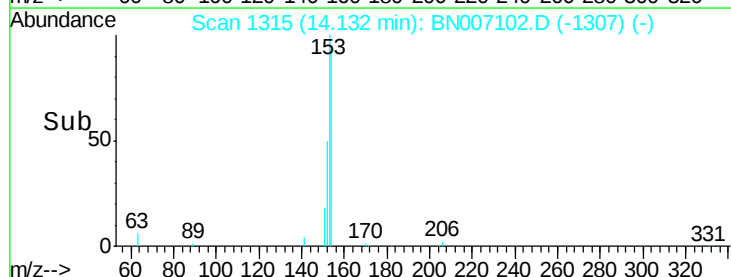
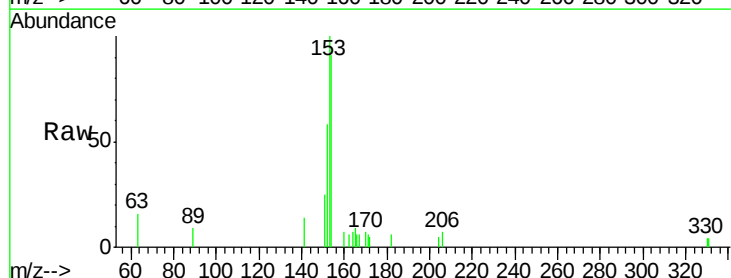
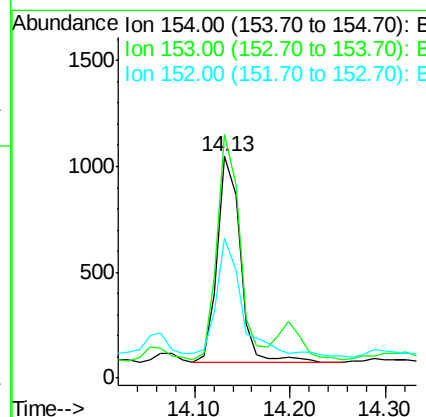
RT: 14.13 min Scan# 1315

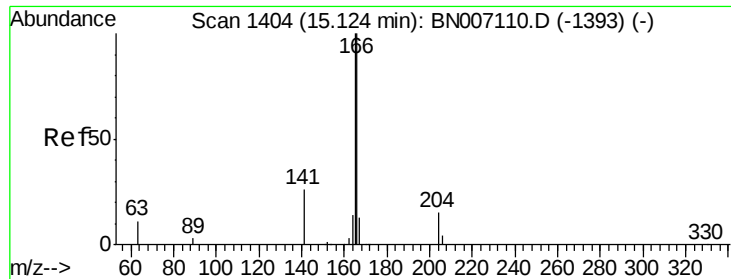
Delta R.T. -0.01 min

Lab File: BN007102.D

Acq: 12 Aug 2019 17:42

Tgt Ion:	154	Resp:	1639
Ion Ratio	Lower	Upper	
154	100		
153	107.4	89.5	134.3
152	66.1	44.8	67.2





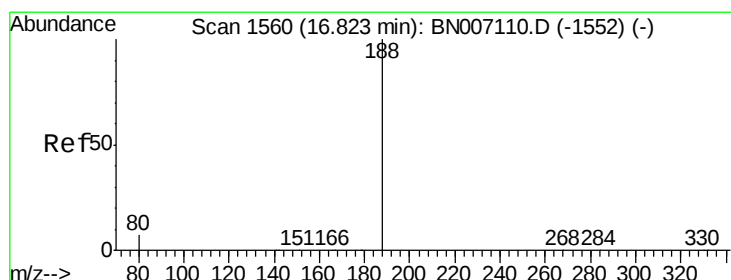
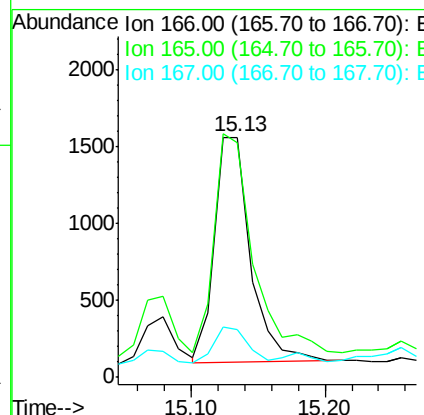
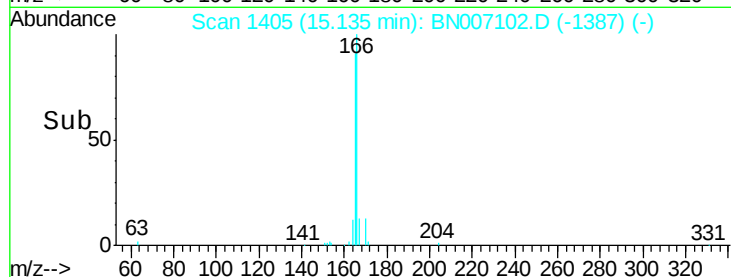
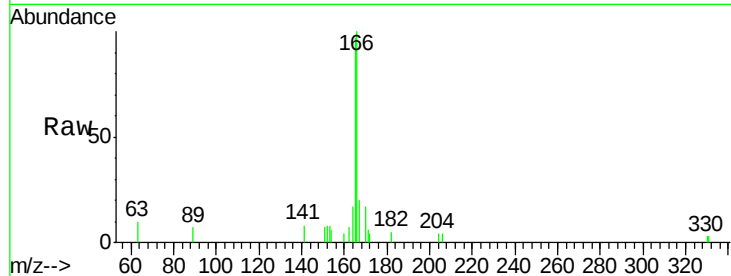
#17
Fluorene
 Concen: 0.028 ng
 RT: 15.13 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Instrument :
 BNA_N
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 EXT-006-SW131-073019

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.0	77.9	116.9
167	14.2	10.9	16.3

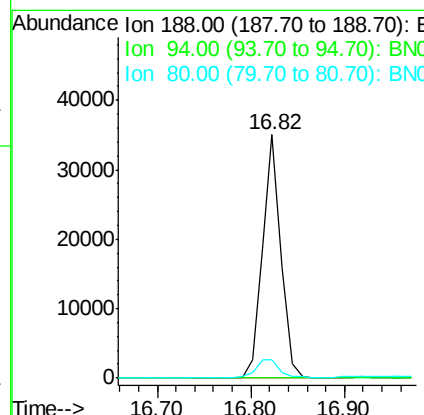
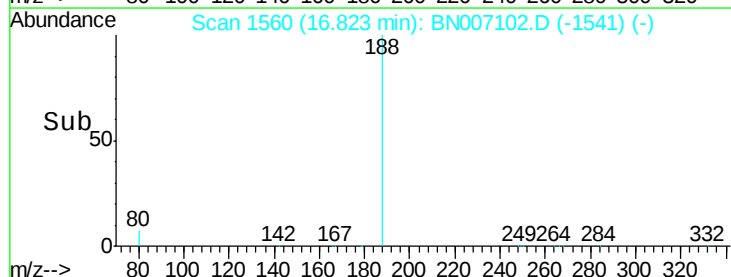
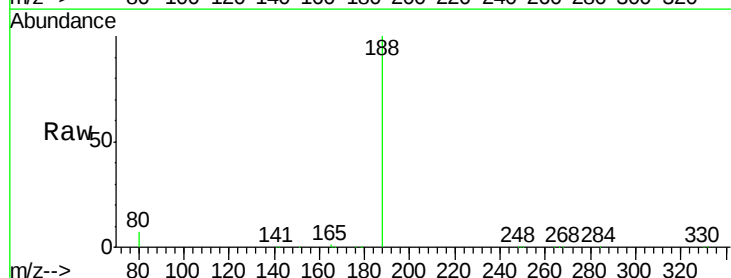
Manual Integrations
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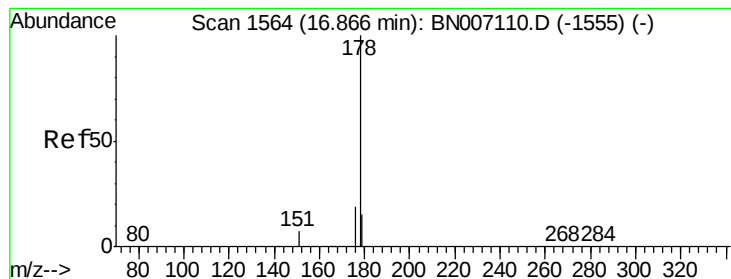
mohammad
 8/14/2019 2:51:43 AM



#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	7.8	11.6#





#22

Phenanthrene

Concen: 0.548 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007102.D

Acq: 12 Aug 2019 17:42

Instrument :

BNA_N

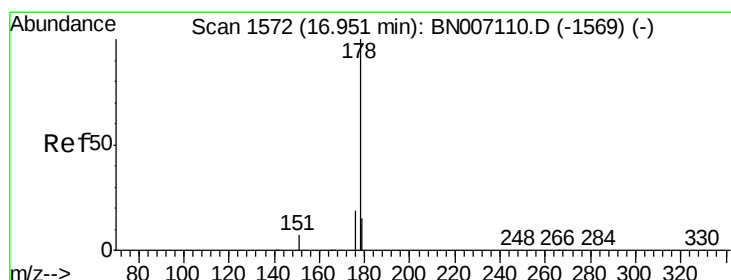
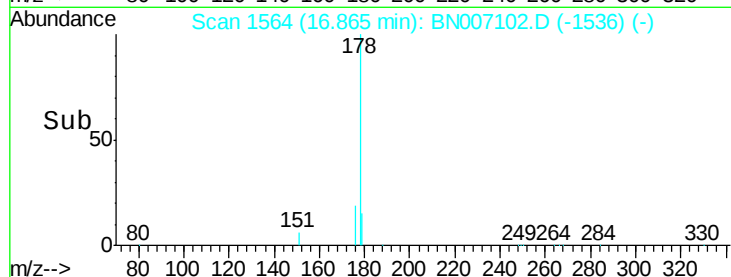
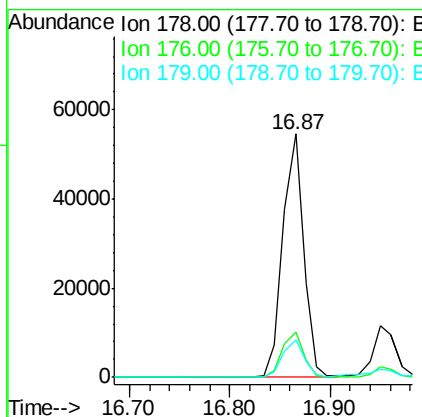
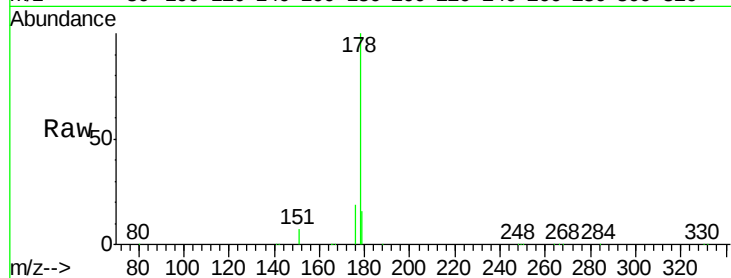
ClientSampleId :

EXT-006-SW131-073019

Tot Ion:	178	Resp:	78591
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.2	22.8
179	15.3	12.3	18.5

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#23

Anthracene

Concen: 0.132 ng

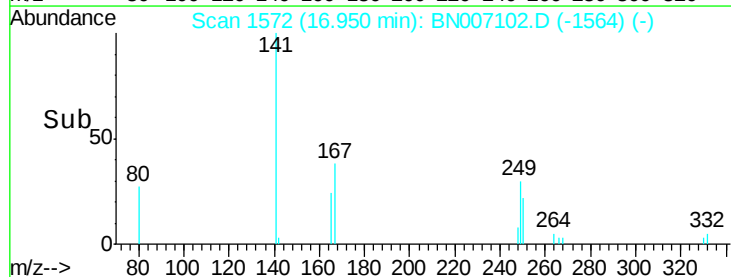
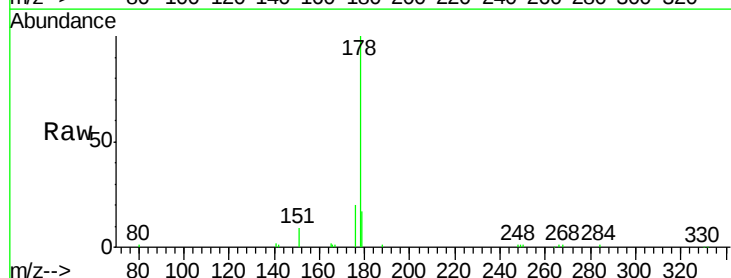
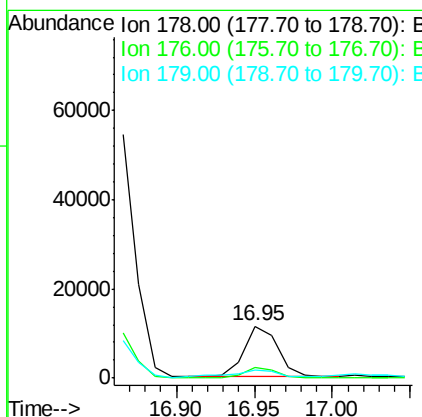
RT: 16.95 min Scan# 1572

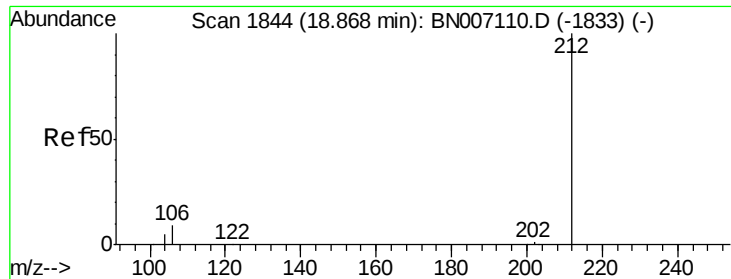
Delta R.T. -0.01 min

Lab File: BN007102.D

Acq: 12 Aug 2019 17:42

Tgt Ion:	178	Resp:	17311
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.6	21.8
179	20.4	12.5	18.7#





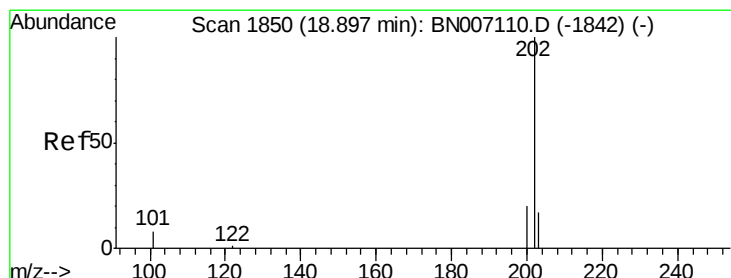
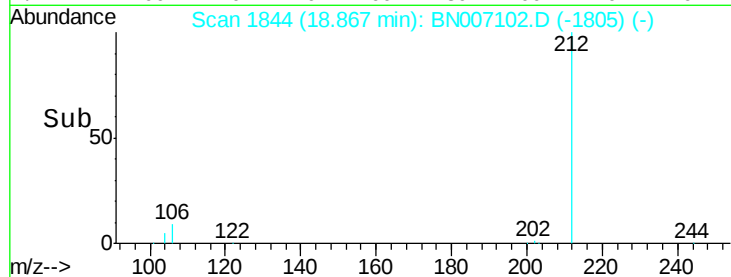
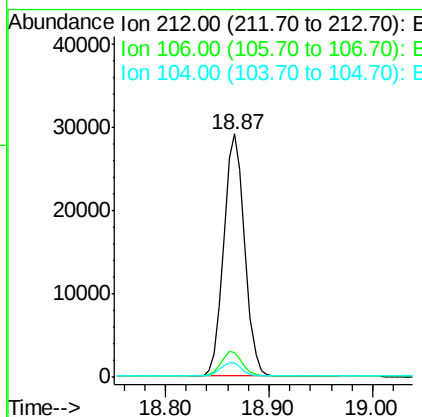
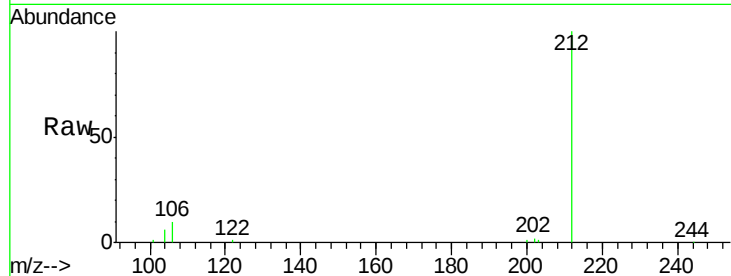
#24
 Fluoranthene-d10
 Concen: 0.238 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW131-073019

Tot Ion	Ratio	Resp	Lower	Upper
212	100	40361		
106	10.2		8.2	12.2
104	5.7		4.5	6.7

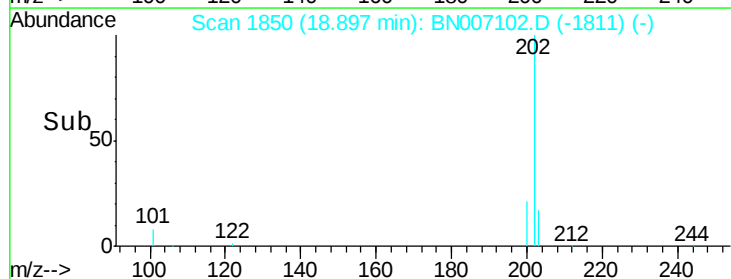
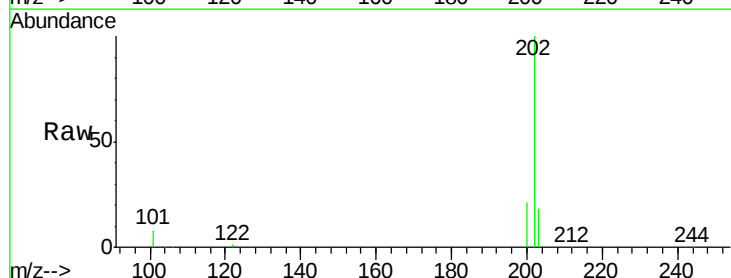
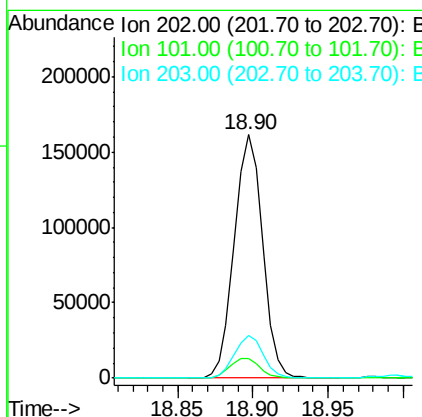
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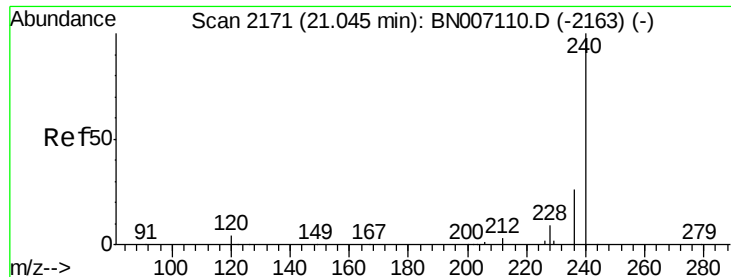
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#25
 Fluoranthene
 Concen: 1.146 ng
 RT: 18.90 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	210312		
101	8.5		7.0	10.4
203	17.4		13.8	20.8





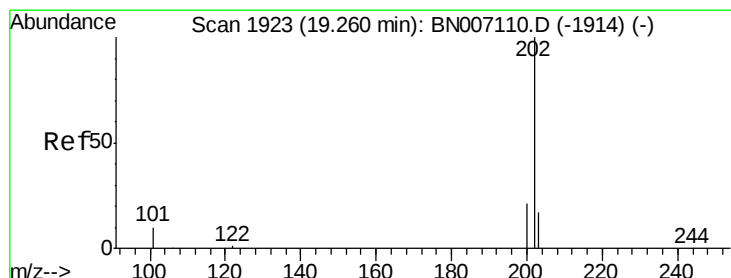
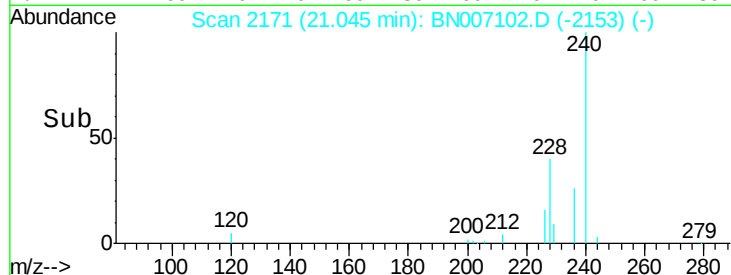
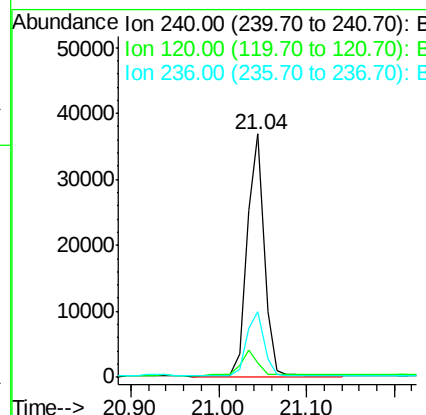
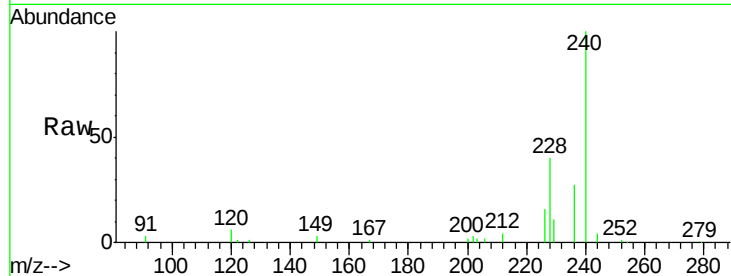
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.04 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW131-073019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	5.7	4.0	6.0		
236	27.1	21.3	31.9		

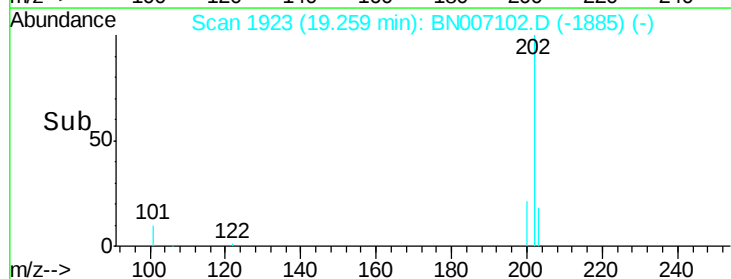
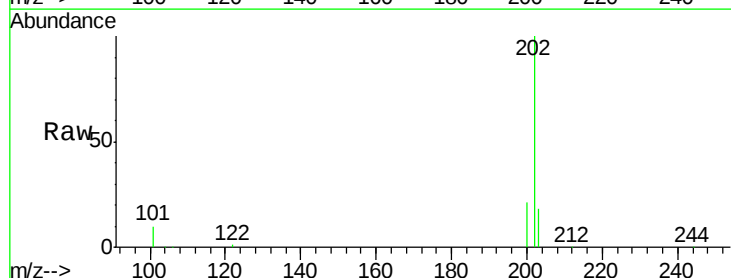
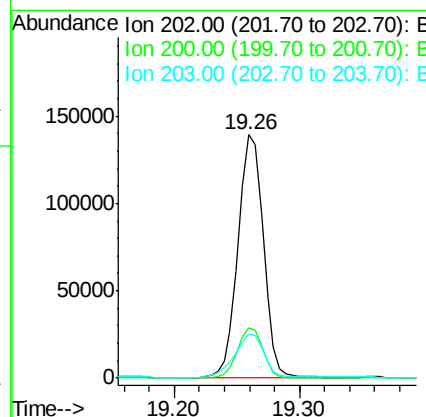
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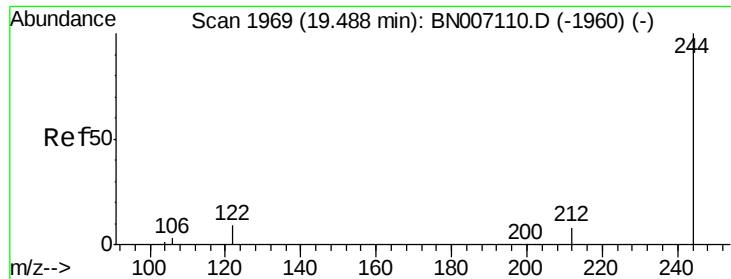
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#27
Pyrene
Concen: 1.124 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.8	16.6	24.8		
203	21.1	14.0	21.0#		





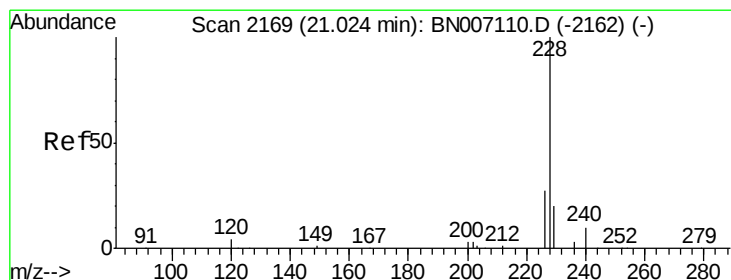
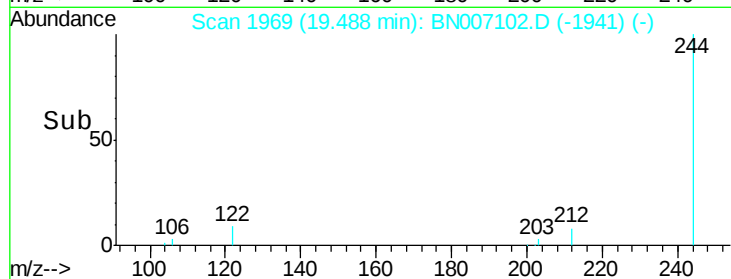
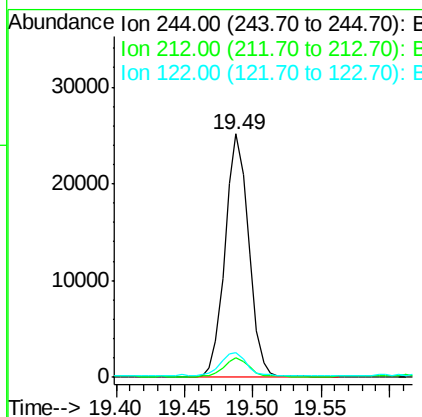
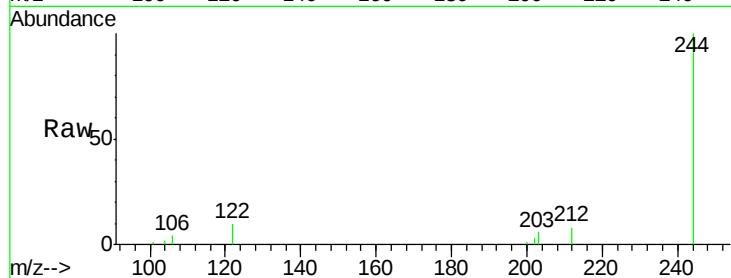
#28
 Terphenyl-d14
 Concen: 0.222 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW131-073019

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.2
122	10.2	7.4	11.2

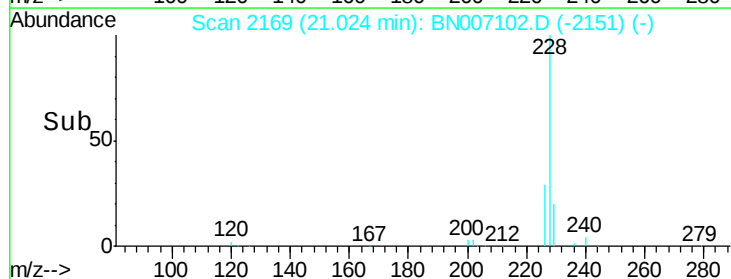
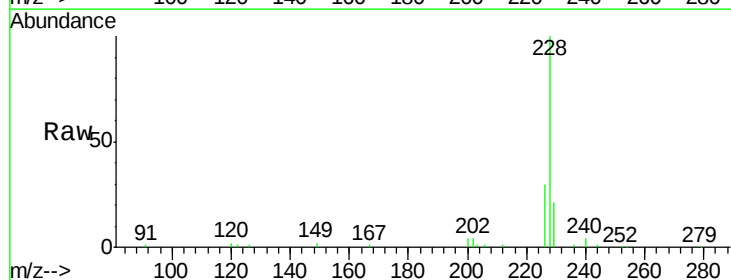
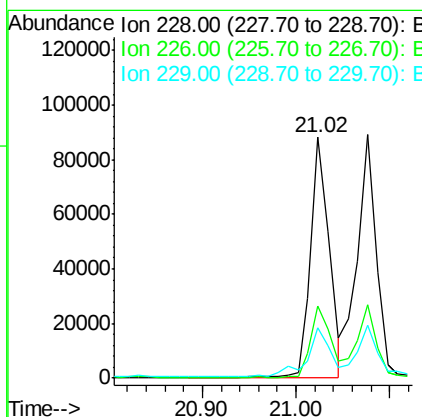
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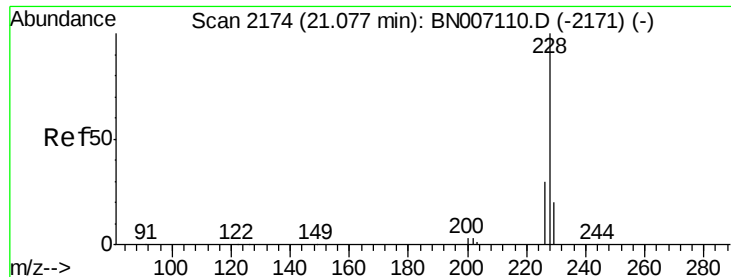
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#29
 Benzo(a)anthracene
 Concen: 0.670 ng
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.8	32.6
229	20.7	15.6	23.4





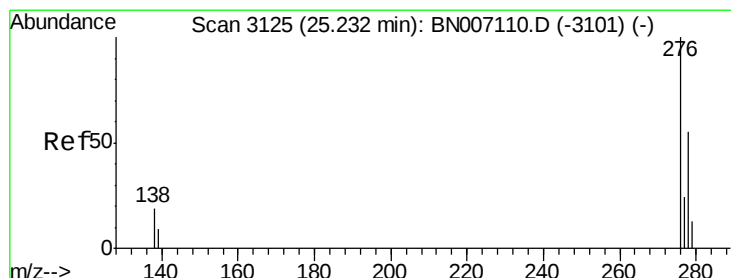
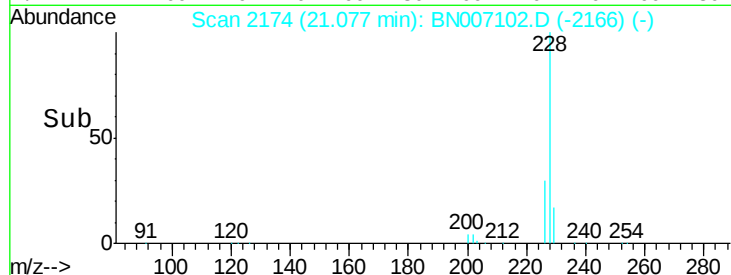
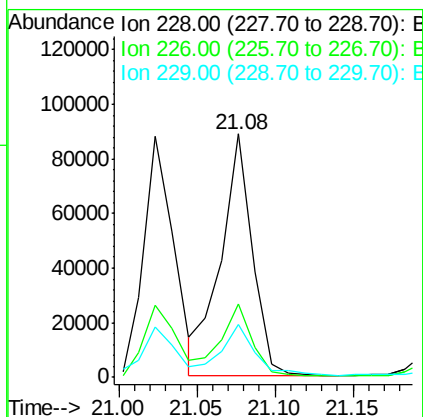
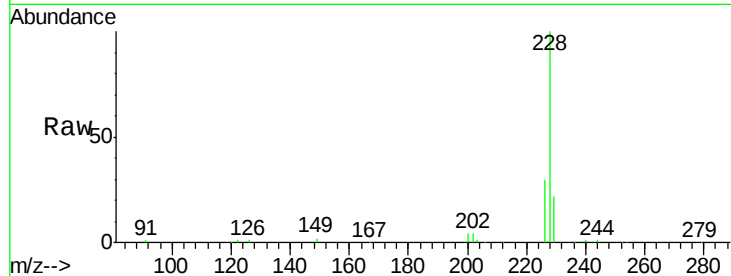
#30
Chrysene
Concen: 0.710 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW131-073019

Tot Ion:228	Resp:	124453
Ion Ratio	Lower	Upper
228 100		
226 30.1	23.8	35.6
229 22.0	15.7	23.5

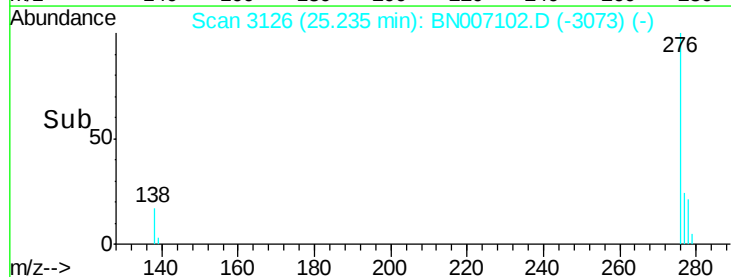
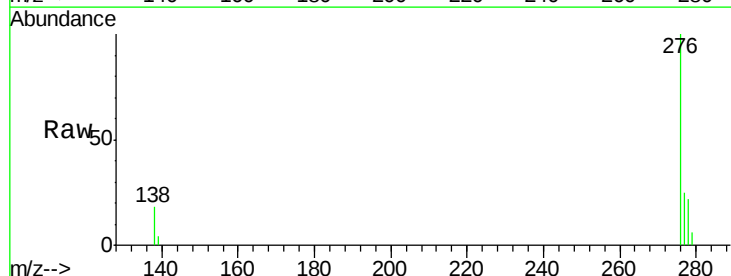
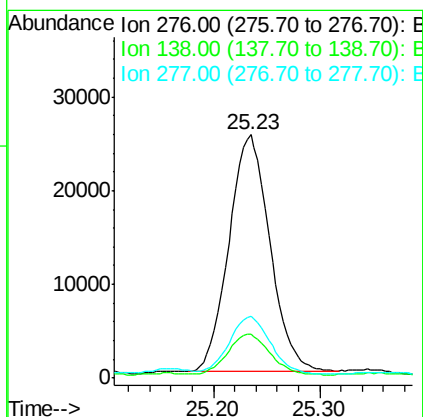
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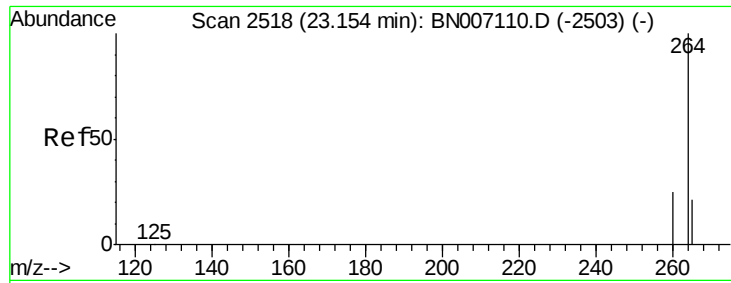
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#31
Indeno(1,2,3-cd)pyrene
Concen: 0.352 ng
RT: 25.23 min Scan# 3126
Delta R.T. -0.02 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Tgt Ion:276	Resp:	67977
Ion Ratio	Lower	Upper
276 100		
138 18.0	16.0	24.0
277 24.8	19.9	29.9





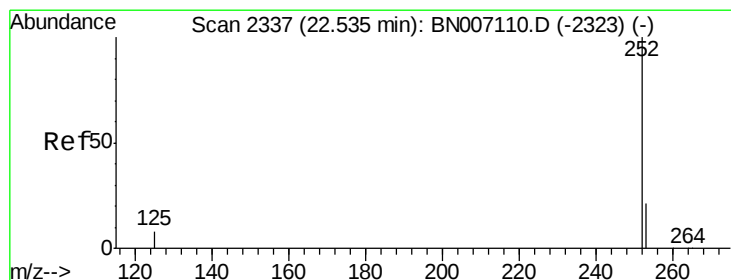
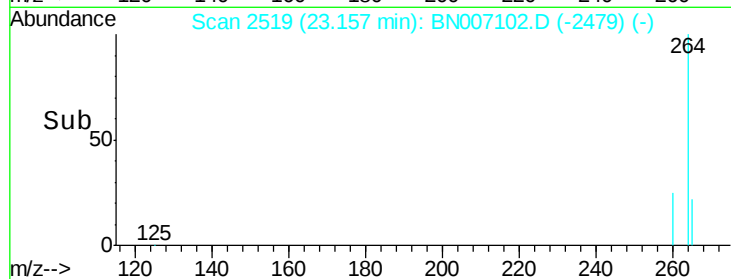
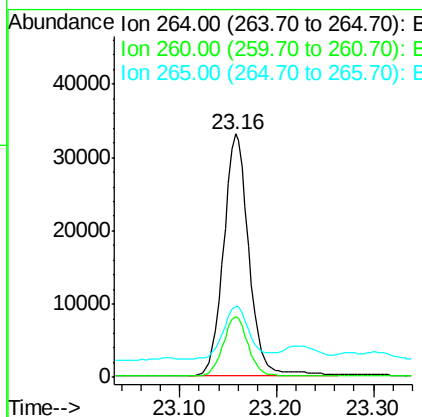
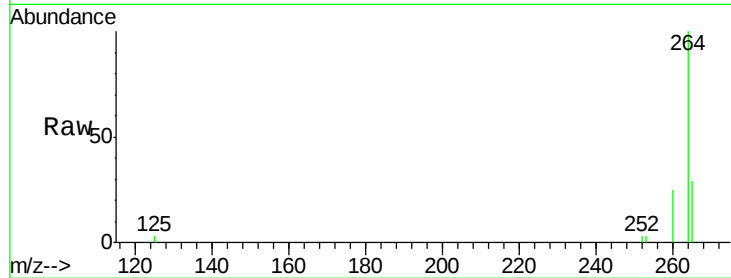
#32
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW131-073019

Tot Ion:	264	Resp:	60011
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.8	29.8
265	29.3	26.2	39.4

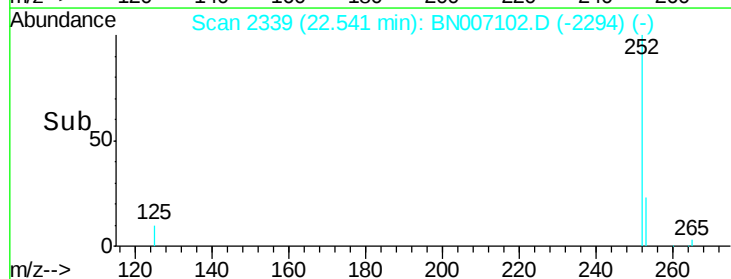
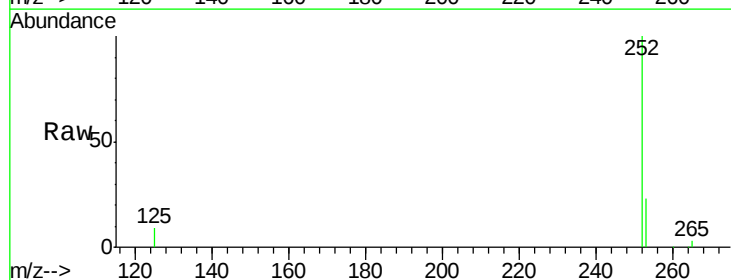
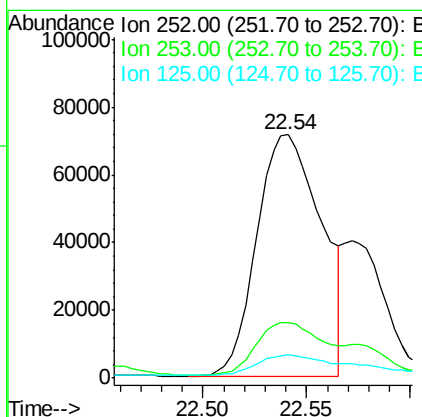
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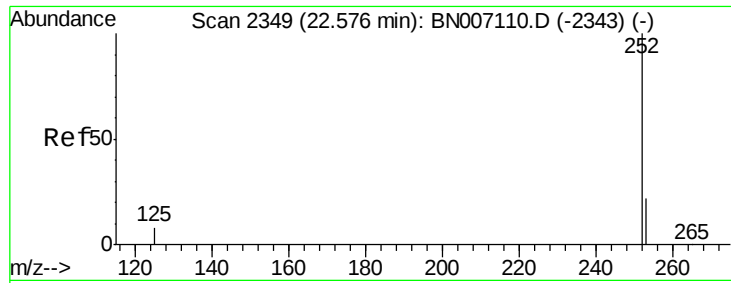
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#33
 Benzo(b)fluoranthene
 Concen: 0.748 ng
 RT: 22.54 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: BN007102.D
 Acq: 12 Aug 2019 17:42

Tgt Ion:	252	Resp:	153830
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.2
125	9.5	7.4	11.0





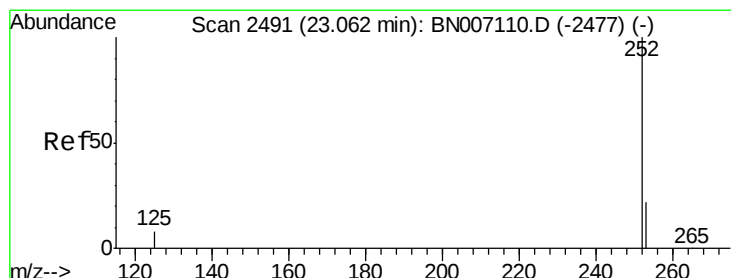
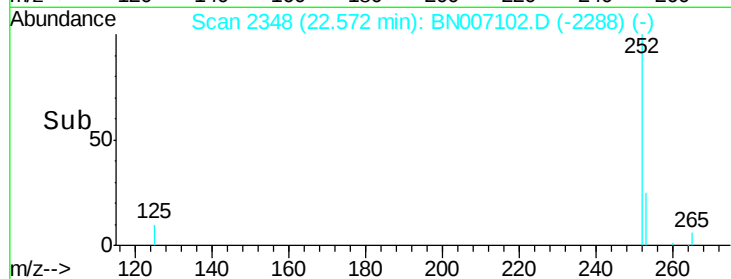
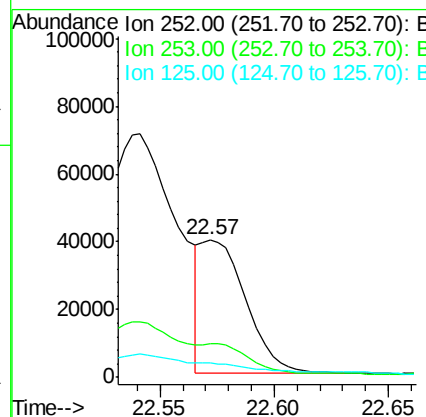
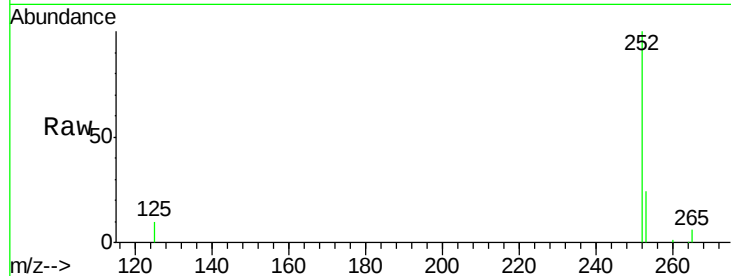
#34
Benzo(k)fluoranthene
Concen: 0.268 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW131-073019

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	10.2	7.4	11.0

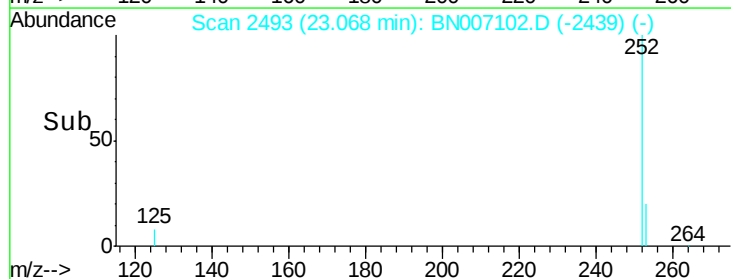
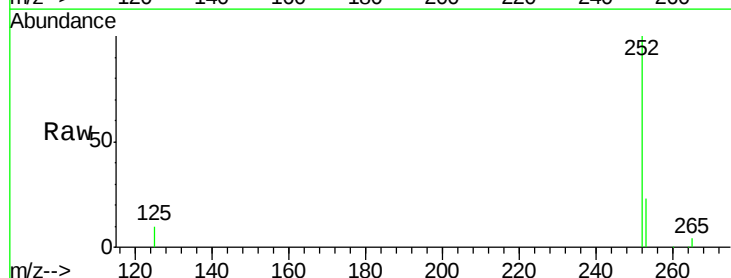
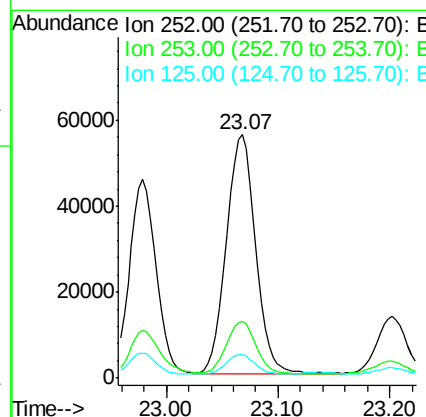
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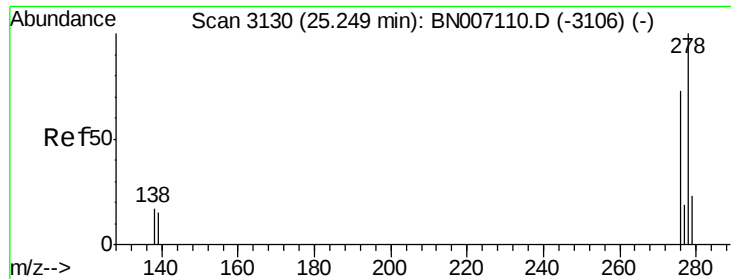
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#35
Benzo(a)pyrene
Concen: 0.549 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	9.8	8.2	12.4





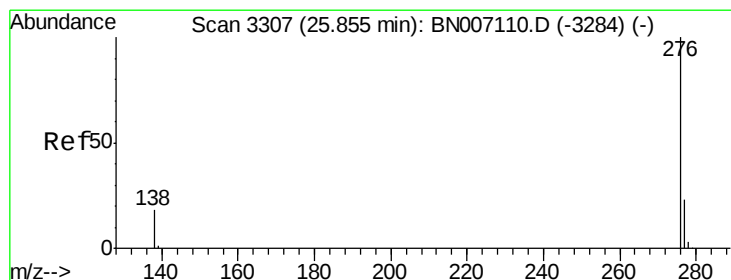
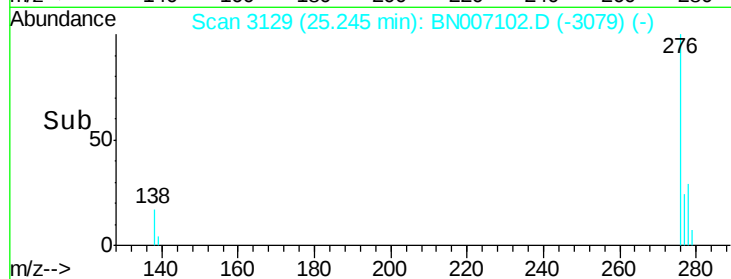
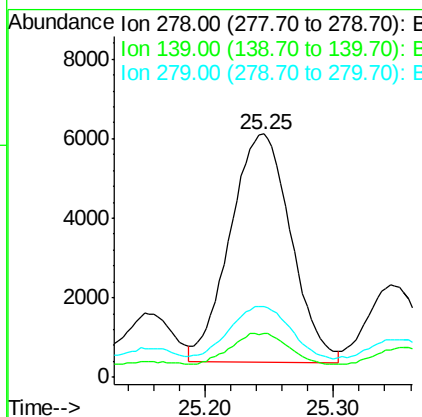
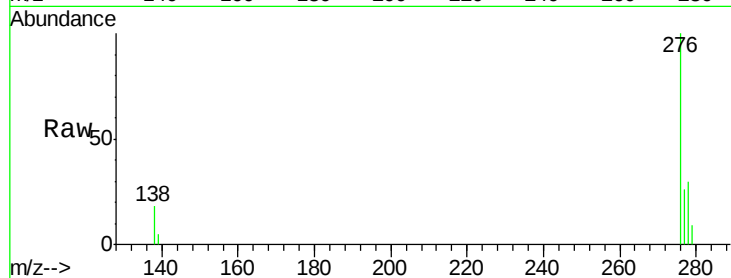
#36
Dibenzo(a,h)anthracene
Concen: 0.102 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW131-073019

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.1	11.3	16.9#
279	28.9	19.3	28.9#

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#37
Benzo(g,h,i)perylene
Concen: 0.366 ng
RT: 25.86 min Scan# 3309
Delta R.T. -0.02 min
Lab File: BN007102.D
Acq: 12 Aug 2019 17:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	18.4	14.6	22.0

