

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007350.D
 Acq On : 24 Aug 2019 05:14
 Operator : HP/JU
 Sample : K4441-09DL 25X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S700-N-0.0-0.5-082019DL

Manual Integrations
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mohammad
 8/29/2019 7:59:53 AM

Quant Time: Aug 24 08:02:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5826	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	24434	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	13285	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	28710	0.40	ng	0.00
27) Chrysene-d12	21.02	240	28660	0.40	ng	0.00
34) Perylene-d12	23.12	264	31190	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	125	-0.02	ng	0.00
5) Phenol-d6	6.59	99	193	-0.02	ng	0.00
8) Nitrobenzene-d5	8.54	82	125	0.01	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	258m	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	60	0.01	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	308	0.01	ng	0.00
25) Fluoranthene-d10	18.85	212	504	0.01	ng	0.00
29) Terphenyl-d14	19.46	244	927	0.01	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.20	128	42165	0.604	ng	# 90
12) 2-Methylnaphthalene	11.84	142	18569	0.390	ng	96
16) Acenaphthylene	13.76	152	2690	0.034	ng	# 88
17) Acenaphthene	14.11	154	107383	2.335	ng	98
18) Fluorene	15.10	166	143103	2.460	ng	99
23) Phenanthrene	16.84	178	1685305	19.515	ng	99
24) Anthracene	16.93	178	311542	3.587	ng	# 93
26) Fluoranthene	18.88	202	1809914	16.323	ng	99
28) Pyrene	19.24	202	1436668	12.461	ng	# 95
30) Benzo(a)anthracene	21.01	228	695313	6.178	ng	99
31) Chrysene	21.05	228	577422	5.315	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	3477m	0.029	ng	
33) Indeno(1,2,3-cd)pyrene	25.18	276	350672	2.679	ng	98
35) Benzo(b)fluoranthene	22.51	252	736873m	6.521	ng	
36) Benzo(k)fluoranthene	22.54	252	263621m	2.360	ng	
37) Benzo(a)pyrene	23.03	252	509432m	4.737	ng	
38) Dibenzo(a,h)anthracene	25.19	278	86890	0.810	ng	96
39) Benzo(a,h,i)perylene	25.81	276	348321	3.258	ng	96

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

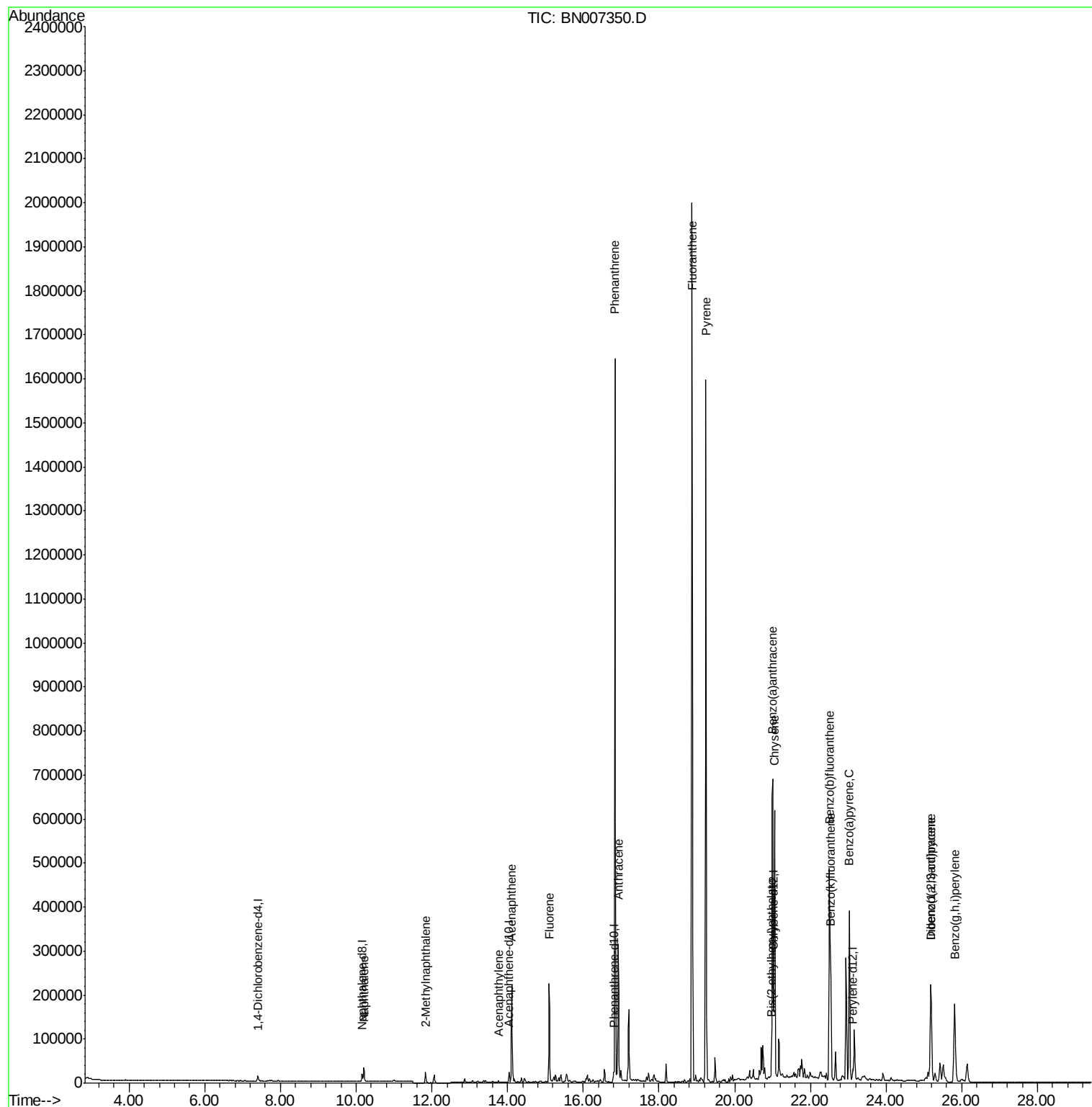
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
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#1

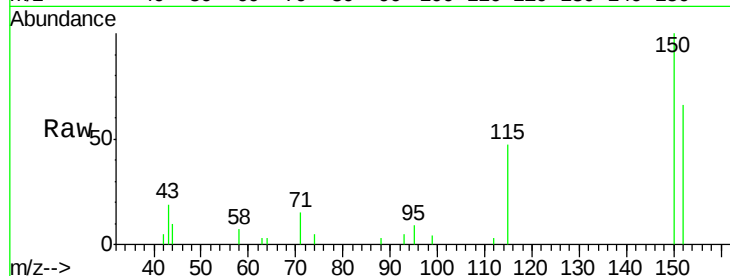
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. 0.00 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL

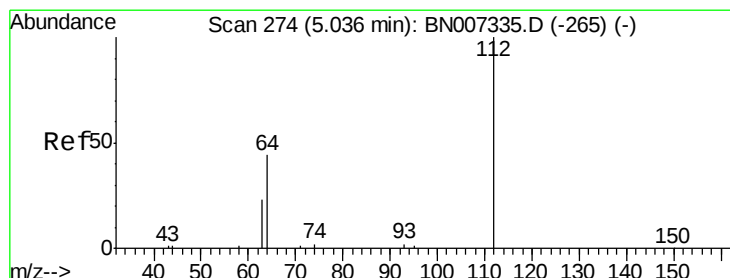
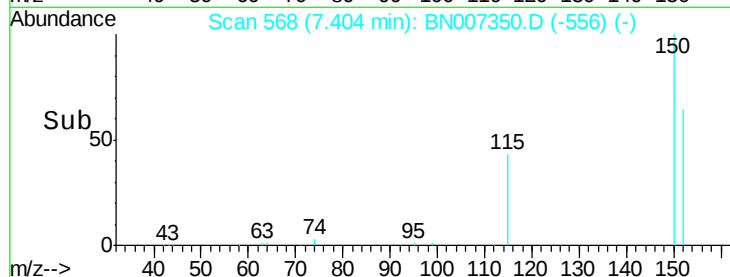
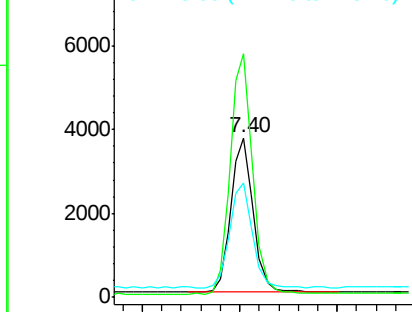
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	109.1	163.7
115	71.5	59.6	89.4

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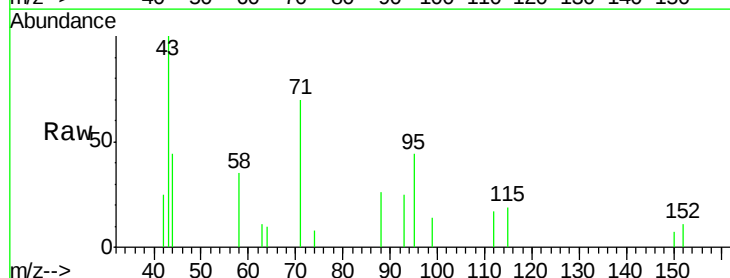
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



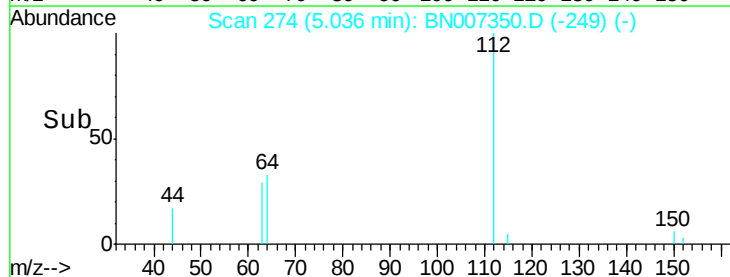
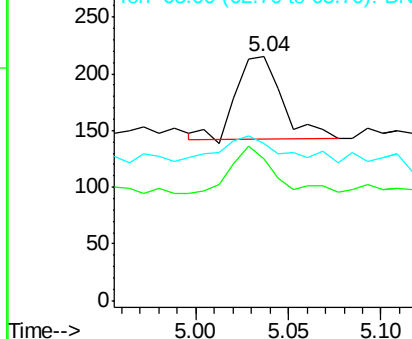
#4

2-Fluorophenol
Concen: -0.024 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	42.3	63.5
63	42.4	23.6	35.4#



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





#5

Phenol-d6

Concen: -0.025 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Instrument :

BNA_N

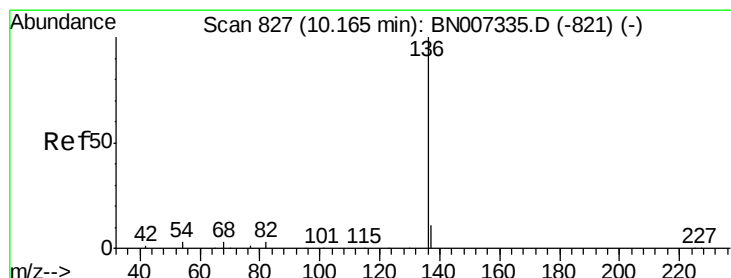
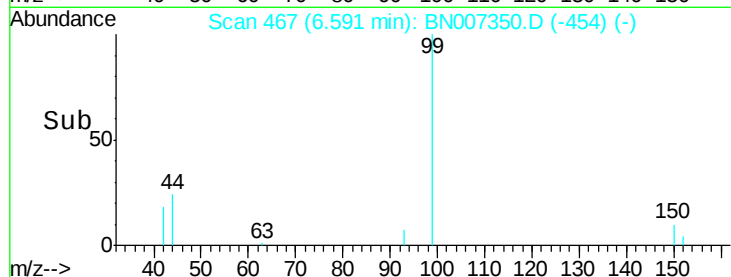
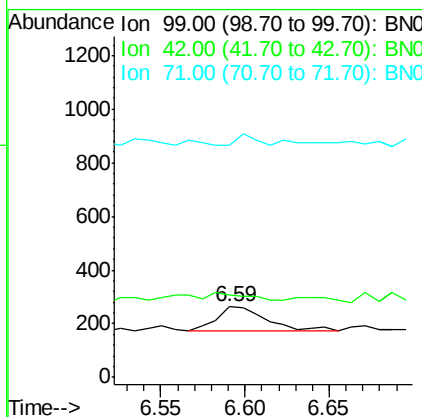
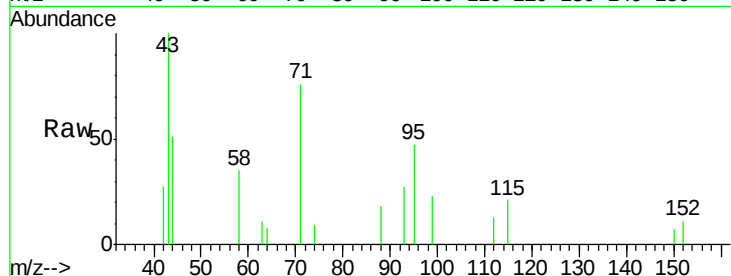
ClientSampleId :

S700-N-0.0-0.5-082019DL

Tot Ion:	99	Resp:	193
Ion	Ratio	Lower	Upper
99	100		
42	23.3	11.2	16.8#
71	15.0	31.8	47.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

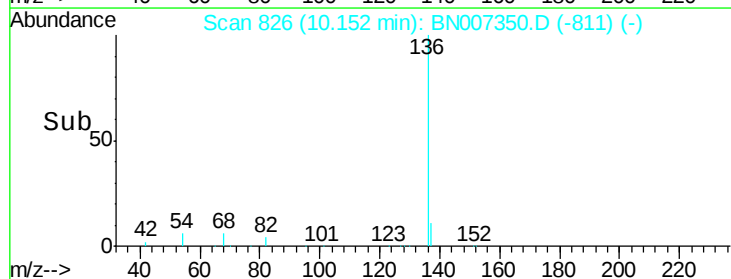
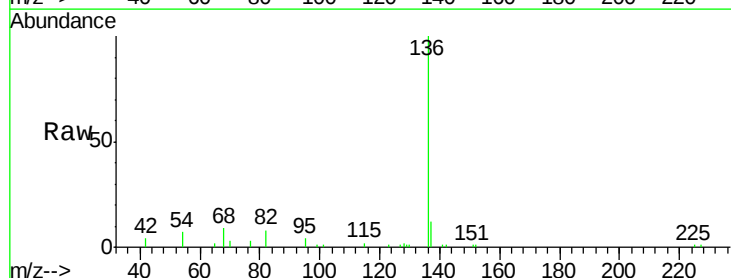
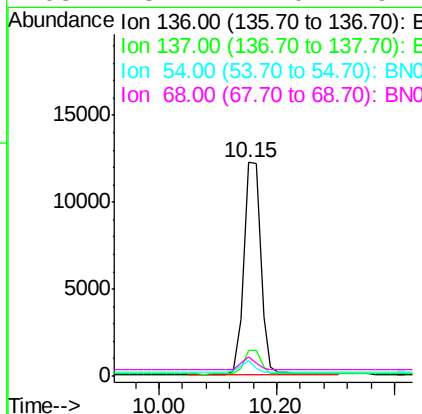
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Tgt Ion:	136	Resp:	24434
Ion	Ratio	Lower	Upper
136	100		
137	11.7	12.9	19.3#
54	7.2	8.6	12.8#
68	8.7	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.006 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Instrument :

BNA_N

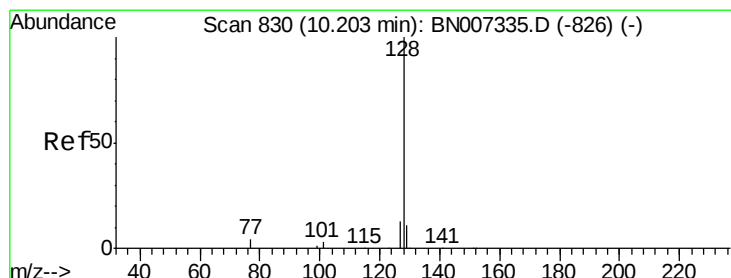
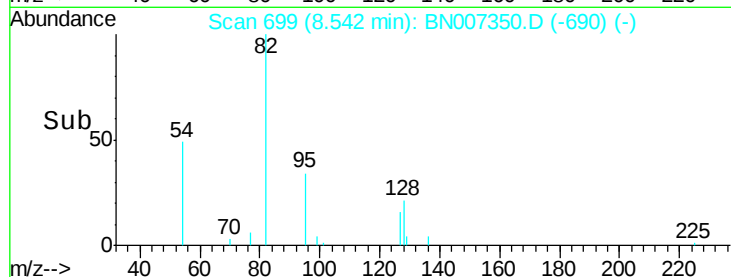
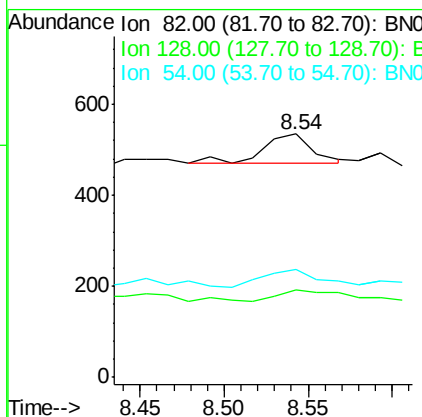
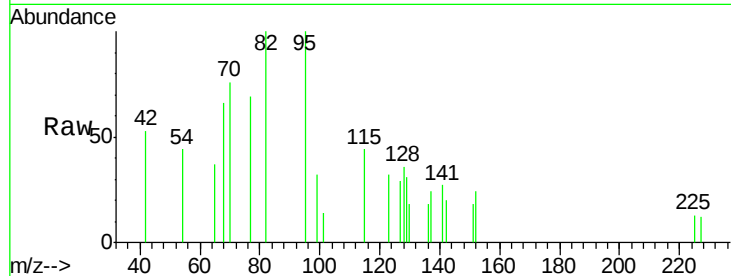
ClientSampleId :

S700-N-0.0-0.5-082019DL

Tot Ion	82	Resp	125
Ion	Ratio	Lower	Upper
82	100		
128	36.1	19.7	29.5#
54	44.5	25.8	38.6#

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#9

Naphthalene

Concen: 0.604 ng

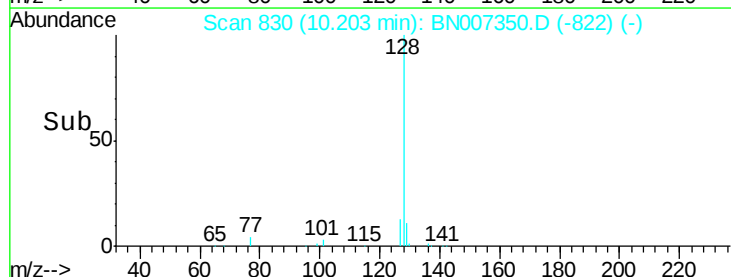
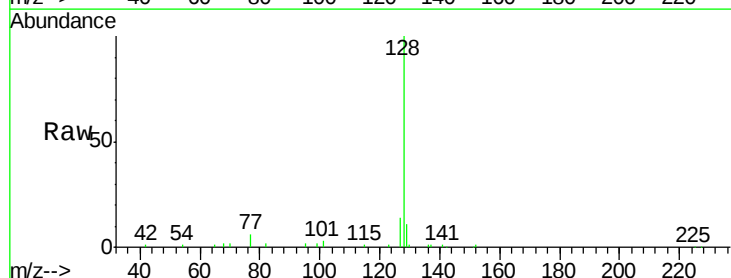
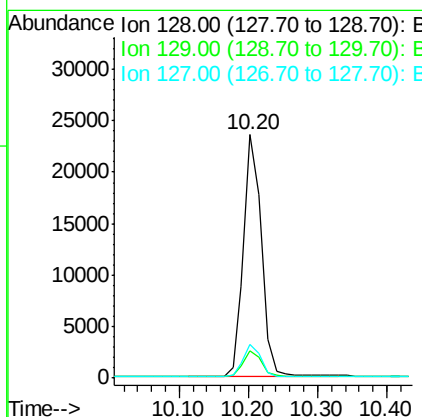
RT: 10.20 min Scan# 830

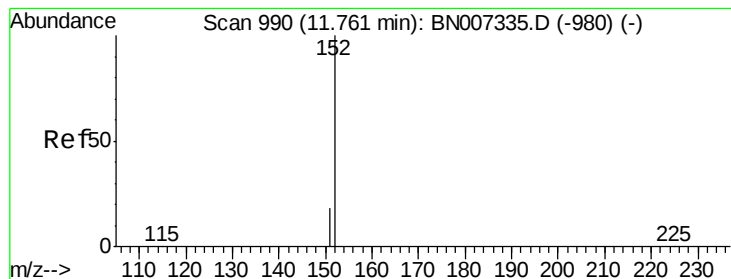
Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Tgt Ion	128	Resp	42165
Ion	Ratio	Lower	Upper
128	100		
129	11.4	11.1	16.7
127	14.0	15.5	23.3#





#11

2-Methylnaphthalene-d10

Concen: 0.006 ng m

RT: 11.76 min Scan# 990

Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Instrument :

BNA_N

ClientSampleId :

S700-N-0.0-0.5-082019DL

Tot Ion:152 Resp: 258

Ion Ratio Lower Upper

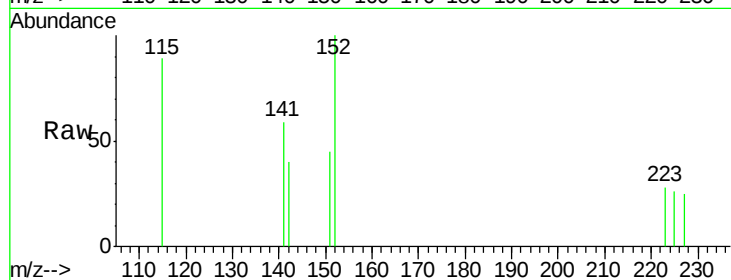
152 100

151 2.3 16.2 24.2#

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

250

200

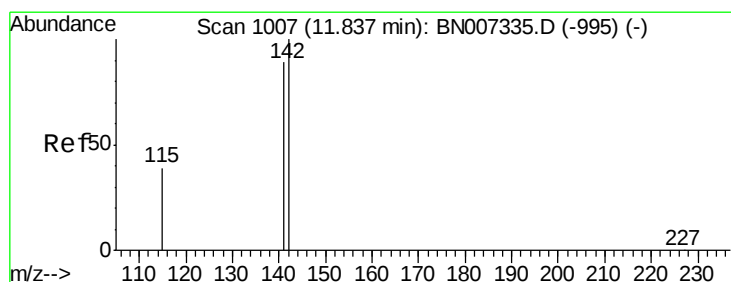
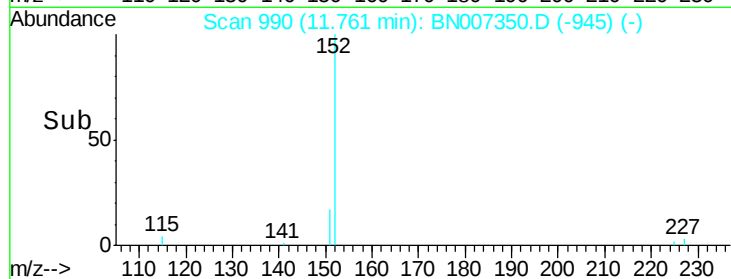
150

100

50

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.390 ng

RT: 11.84 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

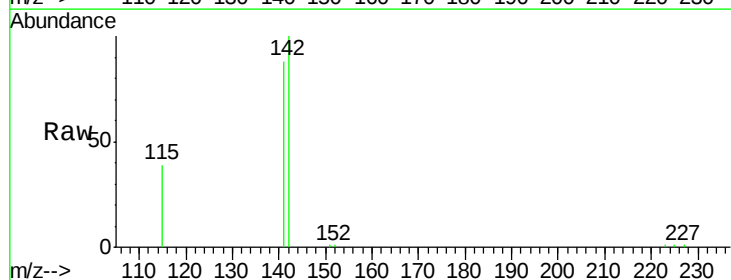
Tgt Ion:142 Resp: 18569

Ion Ratio Lower Upper

142 100

141 88.1 72.8 109.2

115 39.2 35.2 52.8



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

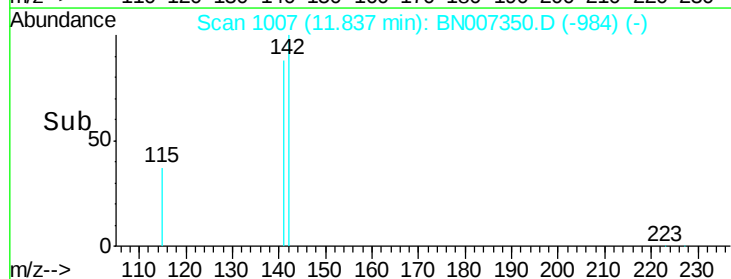
15000

10000

5000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Instrument :

BNA_N

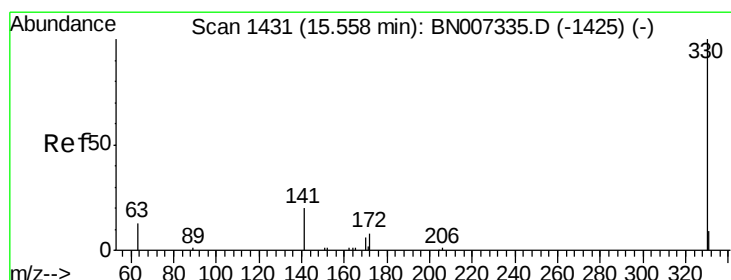
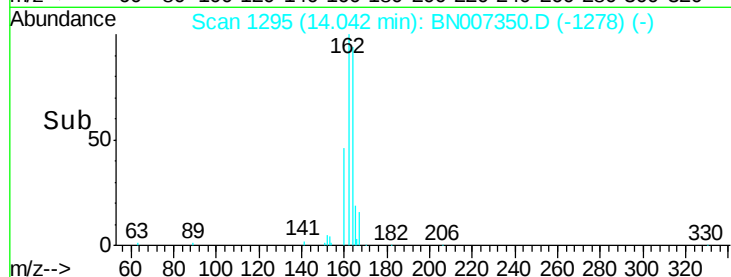
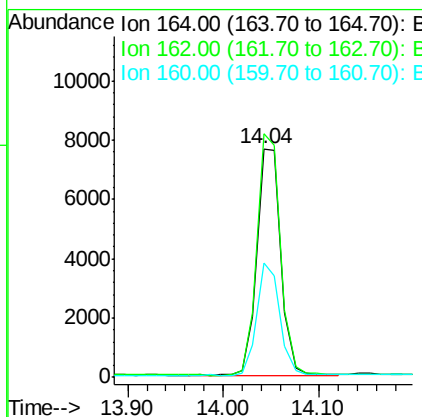
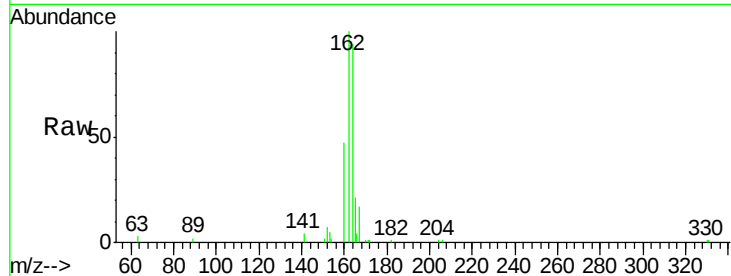
ClientSampleId :

S700-N-0.0-0.5-082019DL

Tot Ion:	164	Resp:	13285
Ion Ratio	Lower	Upper	
164	100		
162	106.5	83.5	125.3
160	49.8	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.009 ng

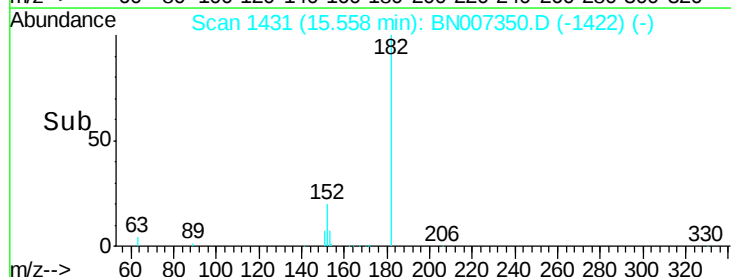
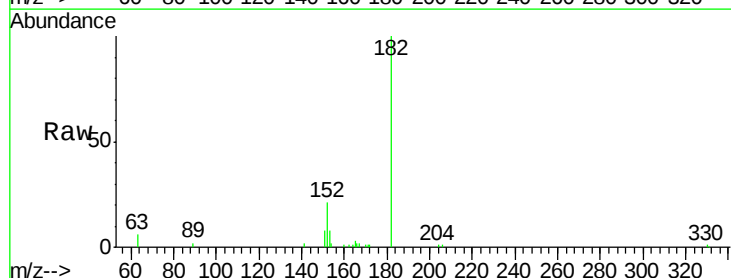
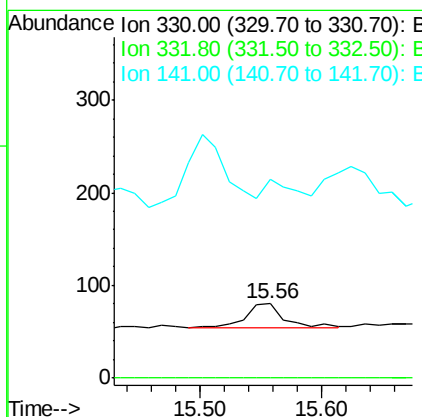
RT: 15.56 min Scan# 1431

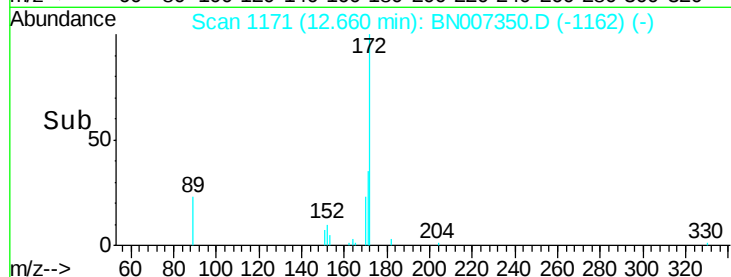
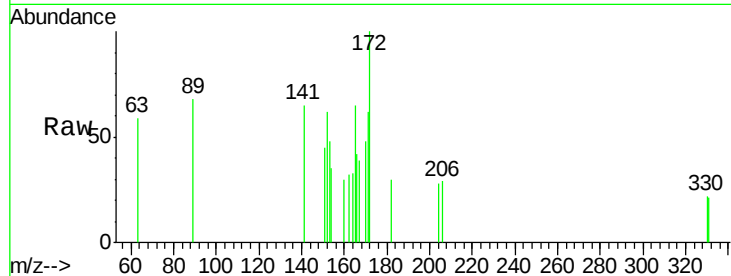
Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Tgt Ion:	330	Resp:	60
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	88.3	26.9	40.3#





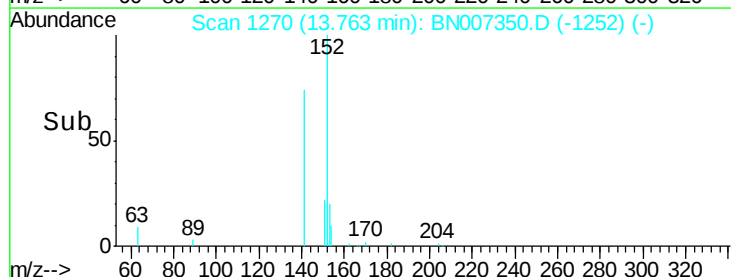
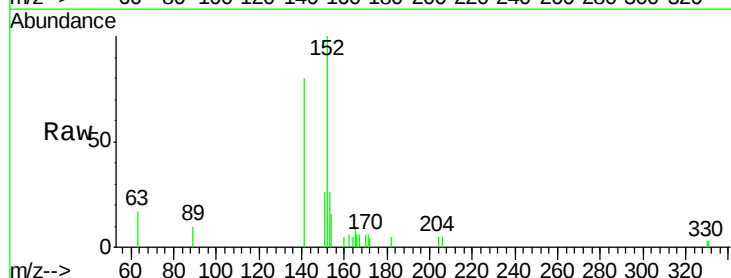
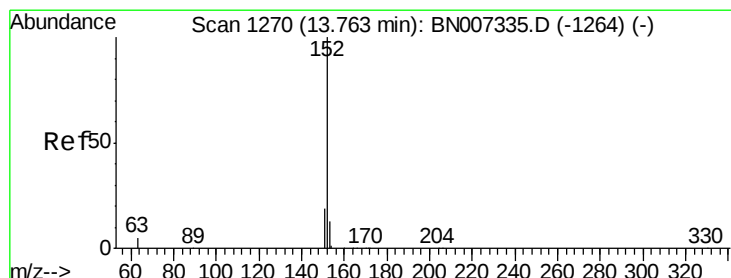
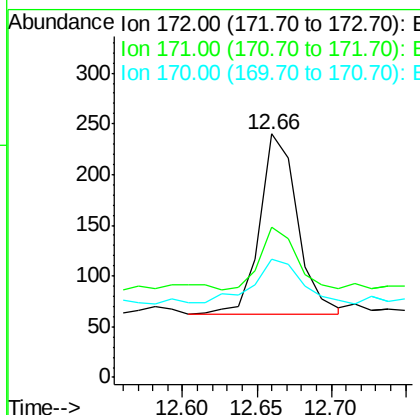
#15
2-Fluorobiphenyl
Concen: 0.006 ng
RT: 12.66 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

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Tot Ion	Ratio	Lower	Upper
172	100		
171	61.7	30.3	45.5#
170	48.3	20.7	31.1#

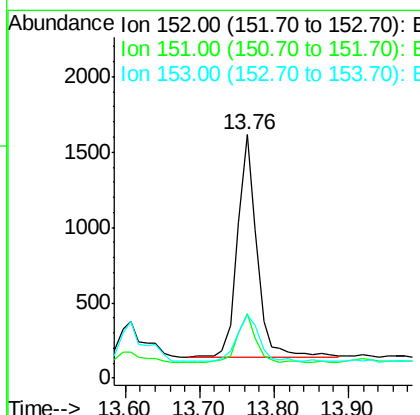
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#16
Acenaphthylene
Concen: 0.034 ng
RT: 13.76 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.1	24.1
153	23.5	10.6	15.8#





#17

Acenaphthene

Concen: 2.335 ng

RT: 14.11 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Instrument :

BNA_N

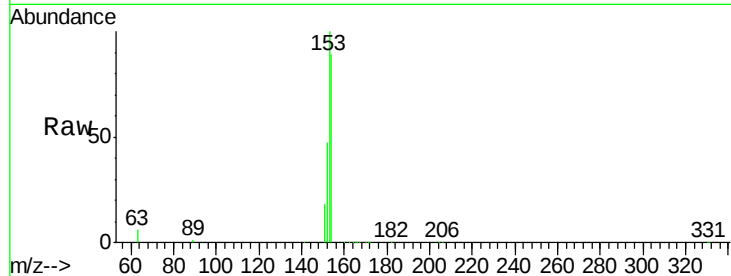
ClientSampleId :

S700-N-0.0-0.5-082019DL

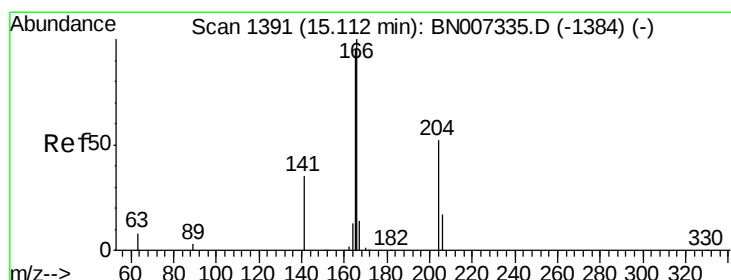
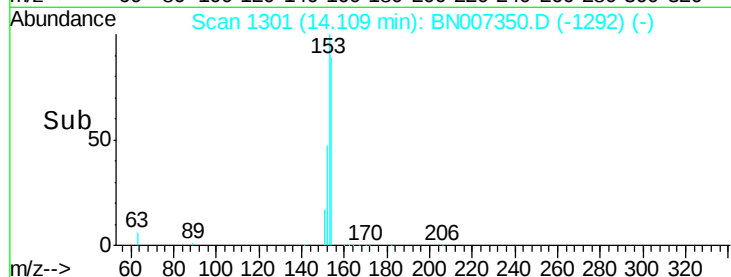
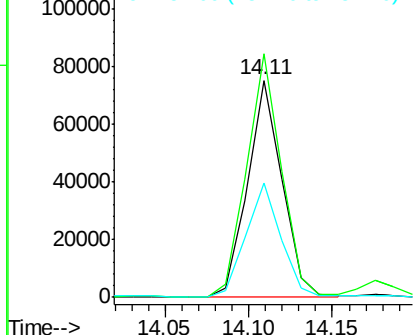
Tot Ion:	154	Resp:	107383
Ion Ratio	Lower	Upper	
154	100		
153	113.2	92.8	139.2
152	54.2	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 2.460 ng

RT: 15.10 min Scan# 1390

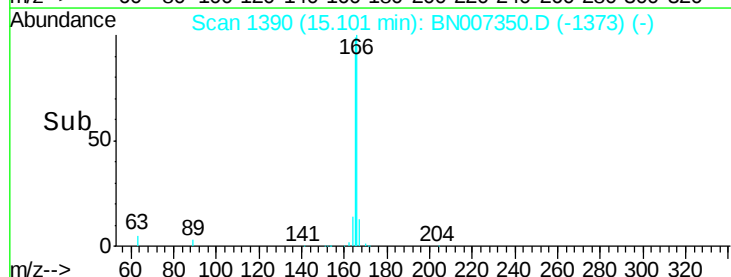
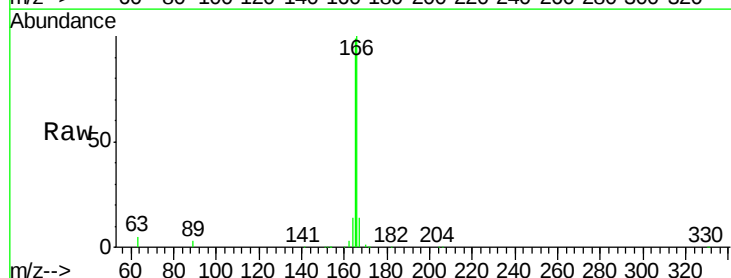
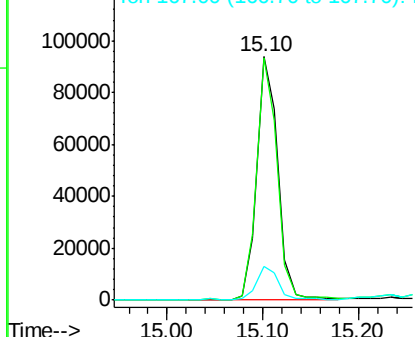
Delta R.T. -0.01 min

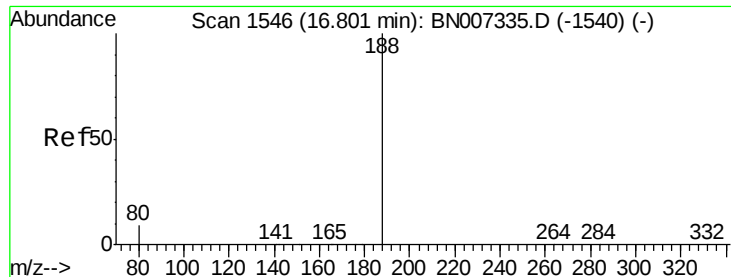
Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Tgt Ion:	166	Resp:	143103
Ion Ratio	Lower	Upper	
166	100		
165	97.5	79.0	118.4
167	14.1	10.6	15.8

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





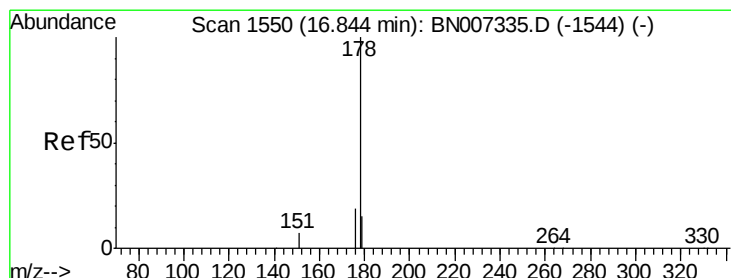
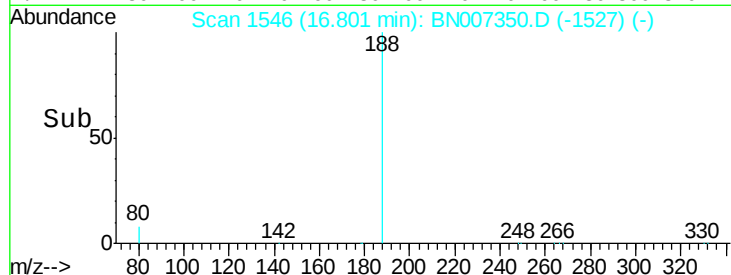
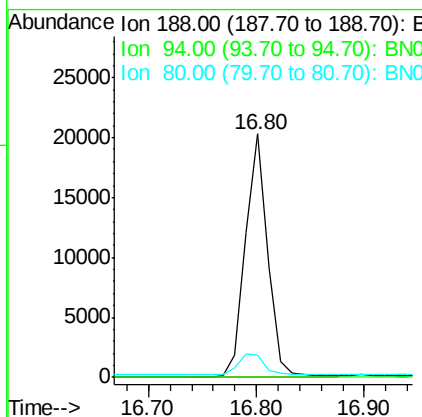
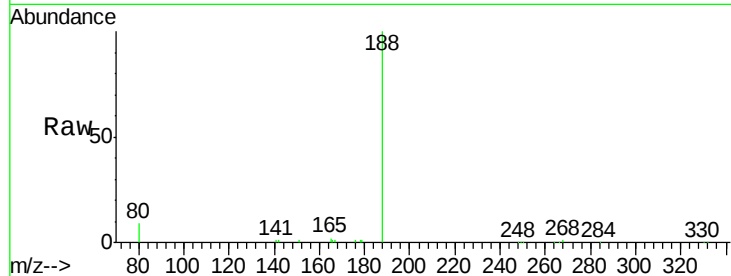
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	28710		
94	0.0	0.0	0.0	0.0
80	9.2	11.8	17.8	

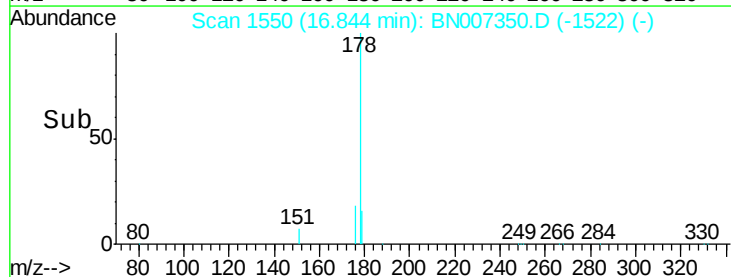
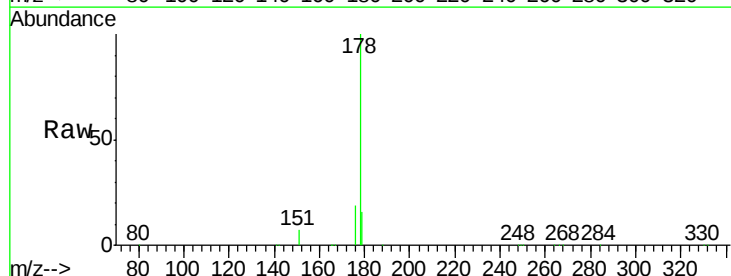
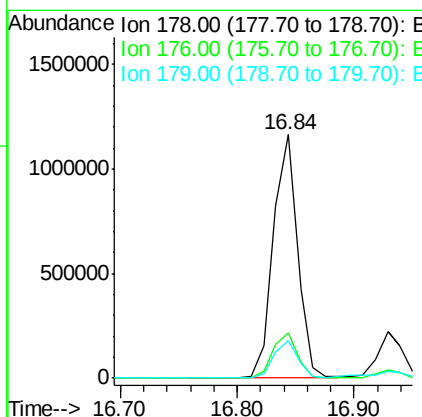
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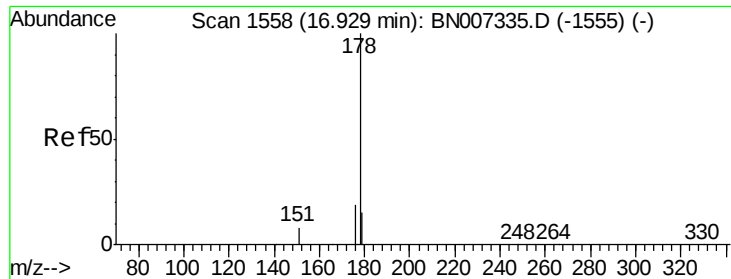
mohammad
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#23
Phenanthrene
Concen: 19.515 ng
RT: 16.84 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1685305		
176	18.9	15.3	22.9	
179	15.5	12.6	19.0	





#24

Anthracene

Concen: 3.587 ng

RT: 16.93 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Instrument :

BNA_N

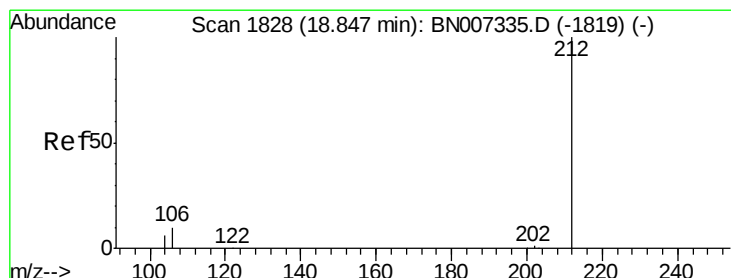
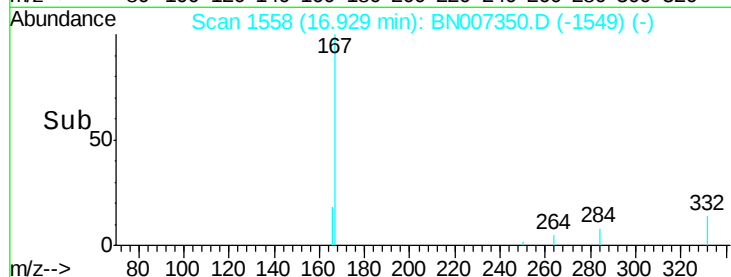
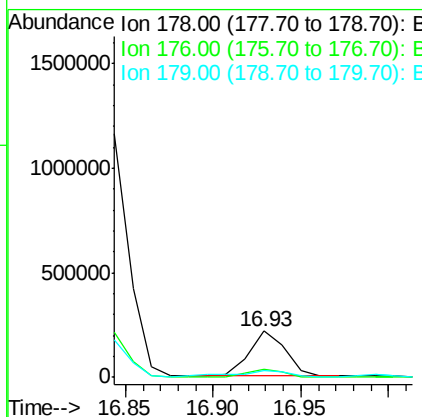
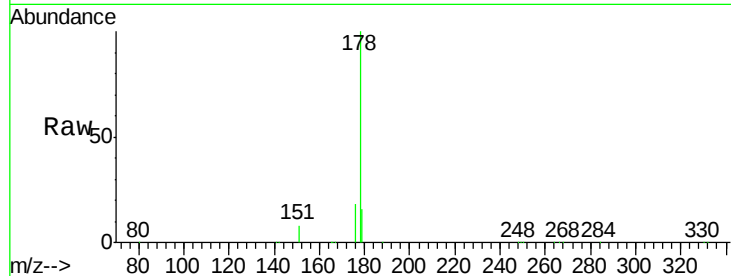
ClientSampleId :

S700-N-0.0-0.5-082019DL

Tot Ion:	178	Resp:	311542
Ion Ratio	Lower	Upper	
178	100		
176	19.2	14.9	22.3
179	21.3	12.4	18.6

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#25

Fluoranthene-d10

Concen: 0.005 ng

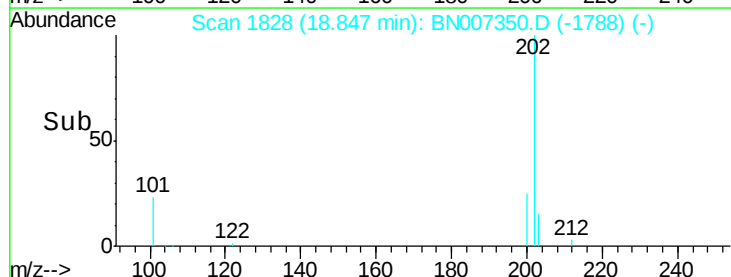
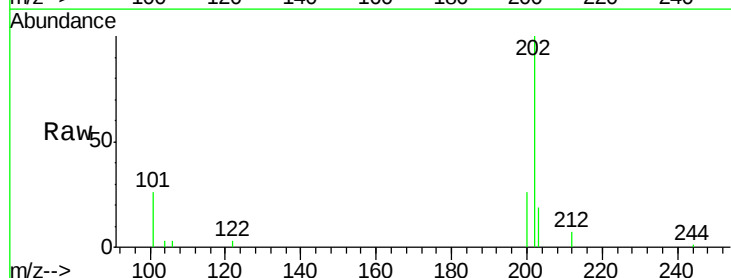
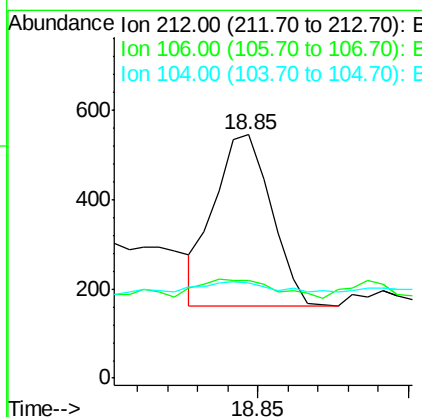
RT: 18.85 min Scan# 1828

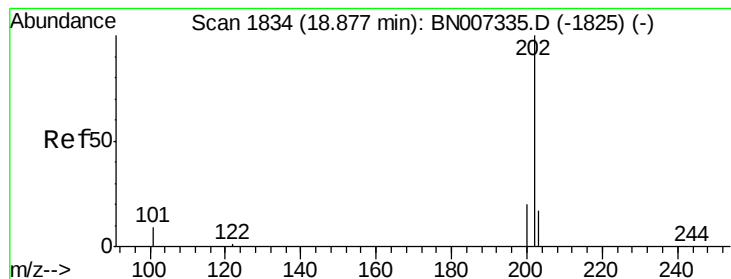
Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Tgt Ion:	212	Resp:	504
Ion Ratio	Lower	Upper	
212	100		
106	14.3	9.0	13.4
104	19.4	5.4	8.2





#26

Fluoranthene

Concen: 16.323 ng

RT: 18.88 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Instrument :

BNA_N

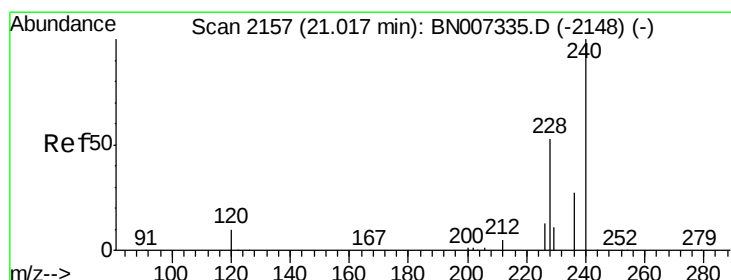
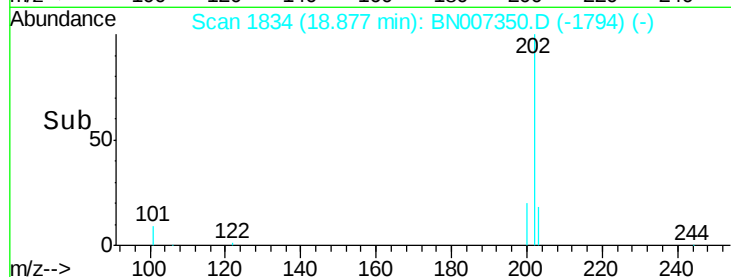
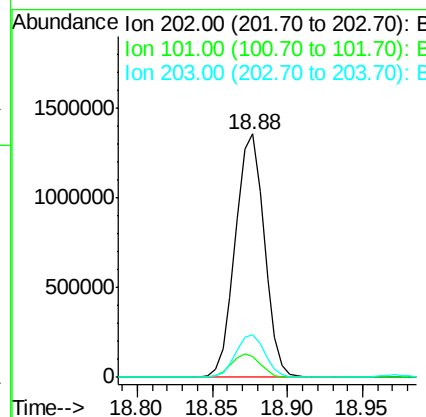
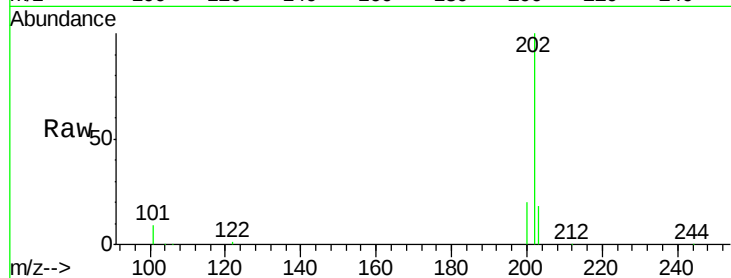
ClientSampleId :

S700-N-0.0-0.5-082019DL

Tot Ion:	202	Resp:	1809914
Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.7	11.5
203	17.6	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng

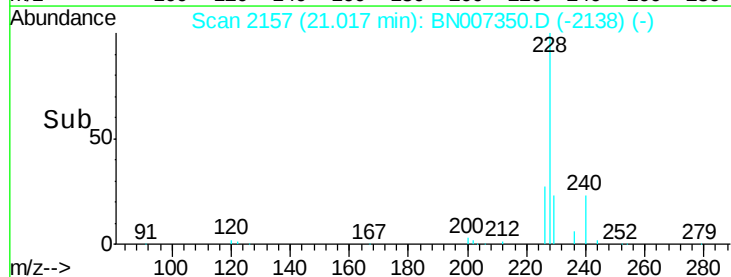
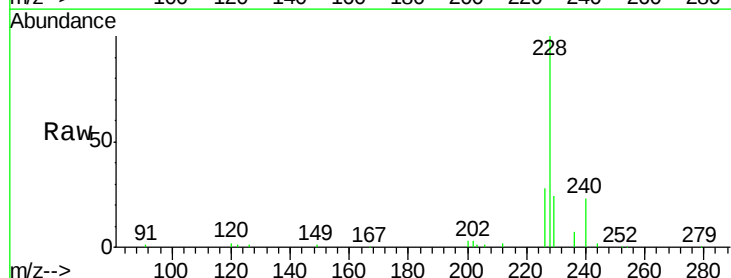
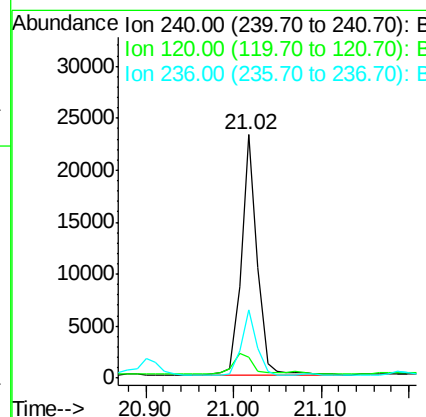
RT: 21.02 min Scan# 2157

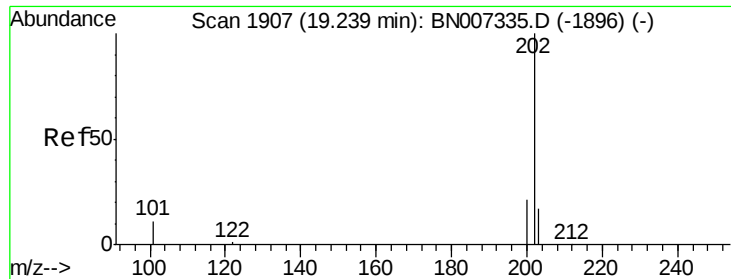
Delta R.T. 0.00 min

Lab File: BN007350.D

Acq: 24 Aug 2019 05:14

Tgt Ion:	240	Resp:	28660
Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.6	14.4#
236	27.9	22.2	33.2





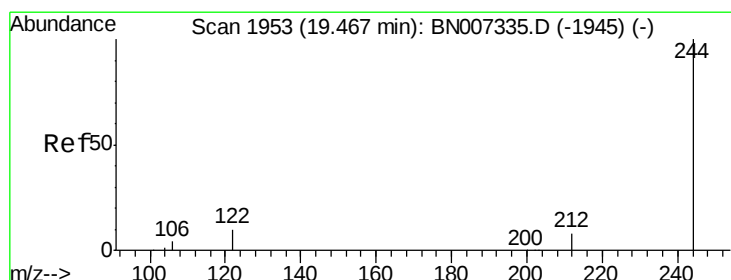
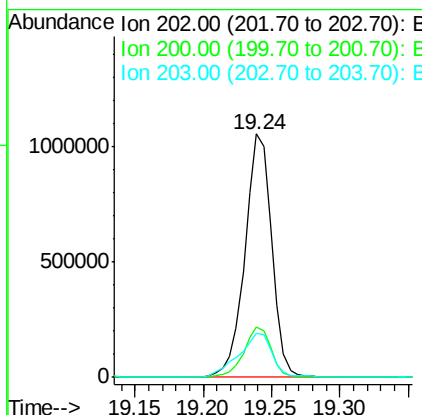
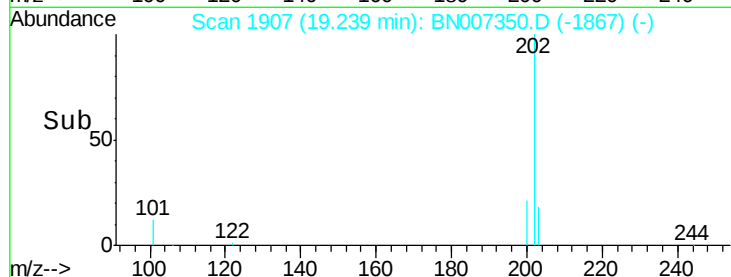
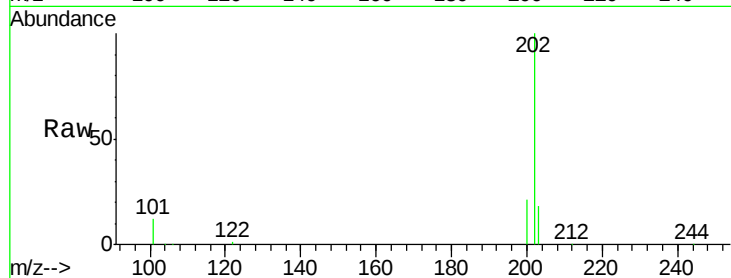
#28
Pvrene
Concen: 12.461 ng
RT: 19.24 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	22.8	14.2	21.4

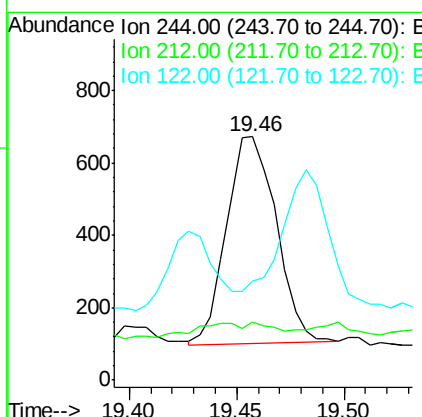
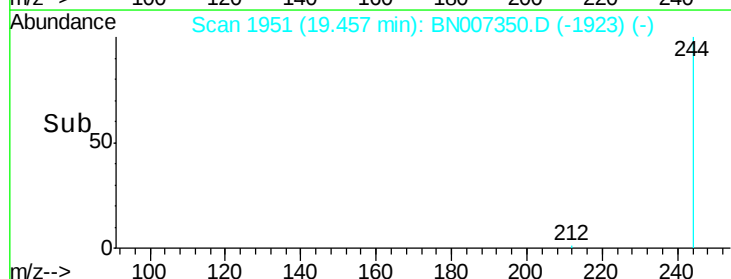
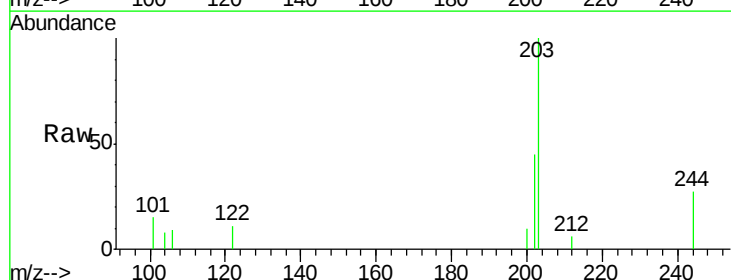
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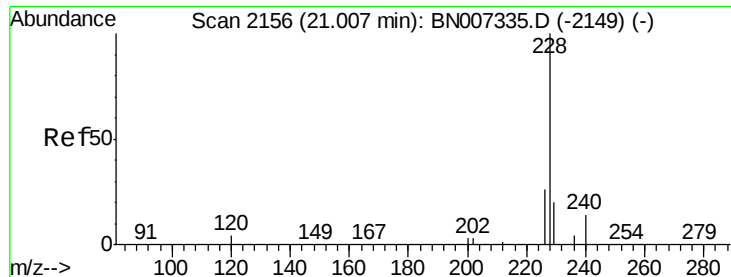
mohammad
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#29
Terphenyl-d14
Concen: 0.012 ng
RT: 19.46 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	23.8	7.0	10.6
122	40.6	9.6	14.4





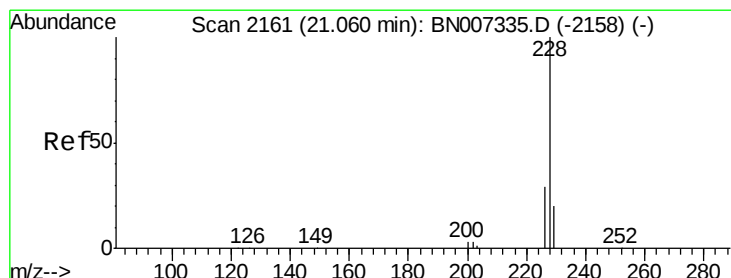
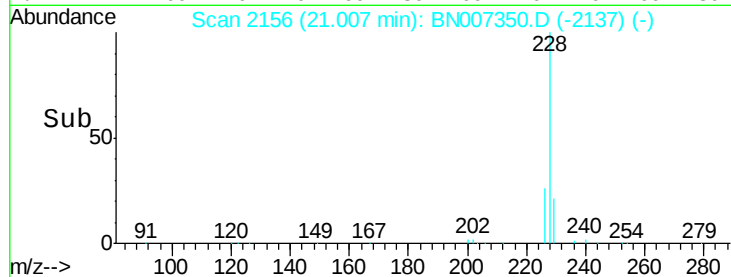
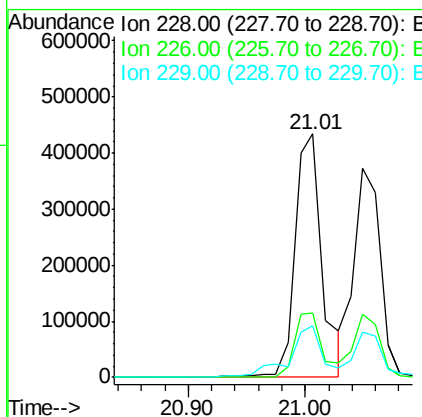
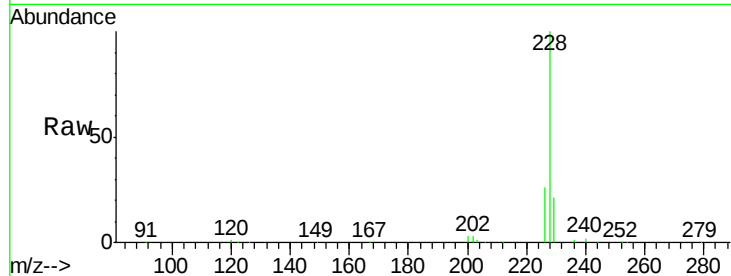
#30
Benzo(a)anthracene
Concen: 6.178 ng
RT: 21.01 min Scan# 2156
Delta R.T. 0.00 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.3	31.9
229	21.1	16.1	24.1

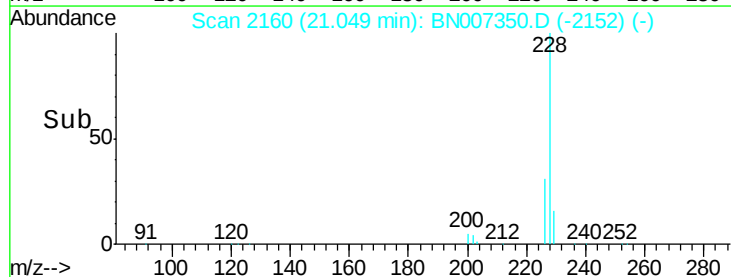
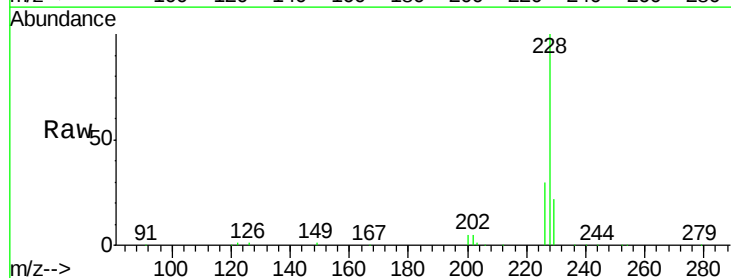
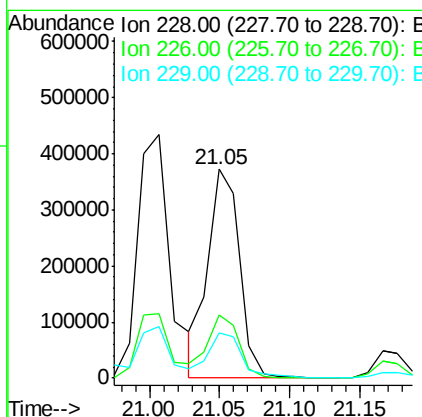
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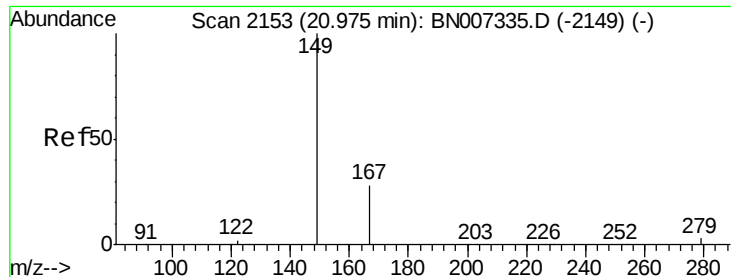
mohammad
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#31
Chrysene
Concen: 5.315 ng
RT: 21.05 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.5	35.3
229	21.5	16.6	24.8





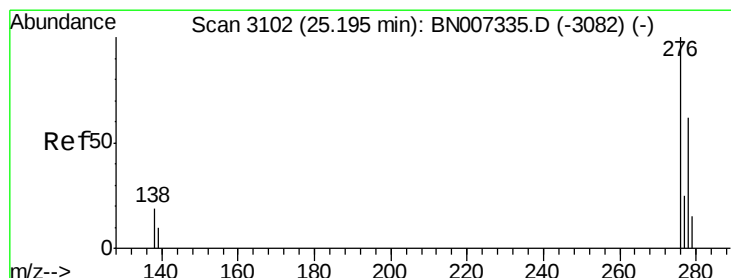
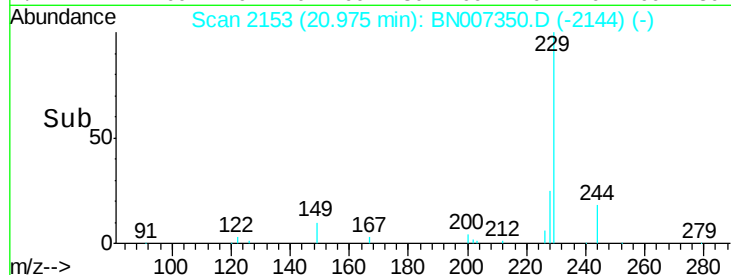
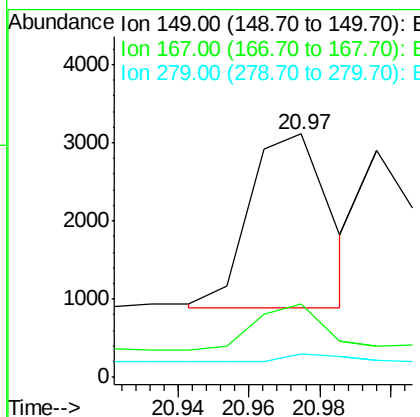
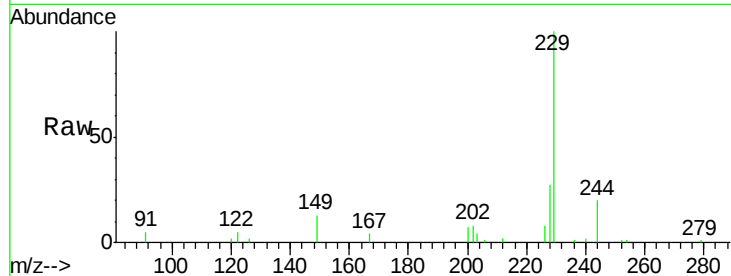
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.029 ng/ml
 RT: 20.97 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: BN007350.D
 Acq: 24 Aug 2019 05:14

Instrument :
 BNA_N
 ClientSampleId :
 S700-N-0.0-0.5-082019DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.2	22.8	34.2
279	7.0	3.5	5.3

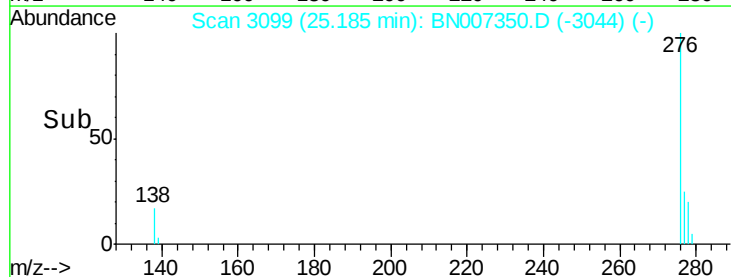
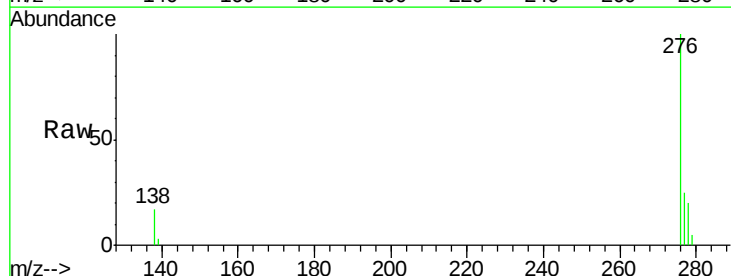
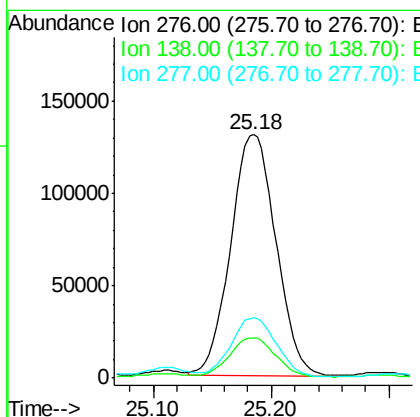
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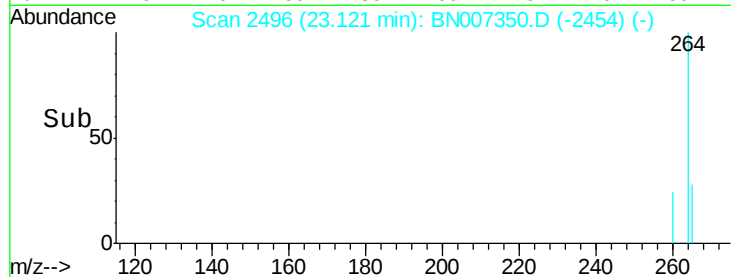
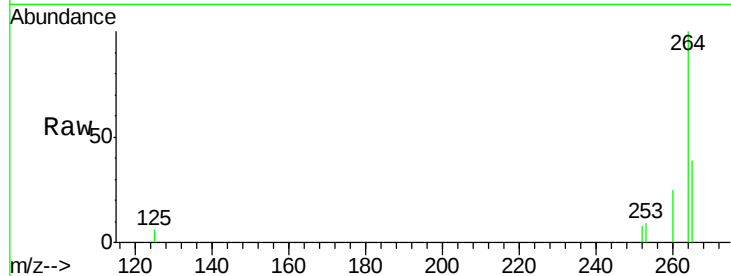
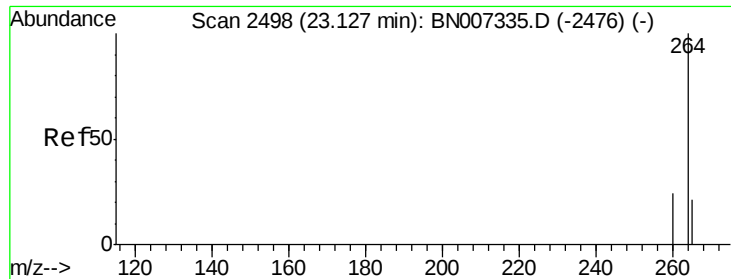
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 2.679 ng
 RT: 25.18 min Scan# 3099
 Delta R.T. -0.01 min
 Lab File: BN007350.D
 Acq: 24 Aug 2019 05:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.6	15.1	22.7
277	24.4	19.7	29.5





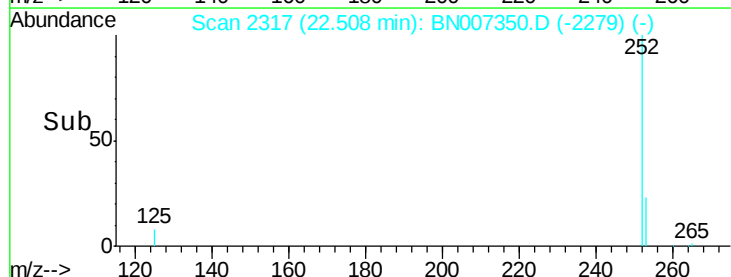
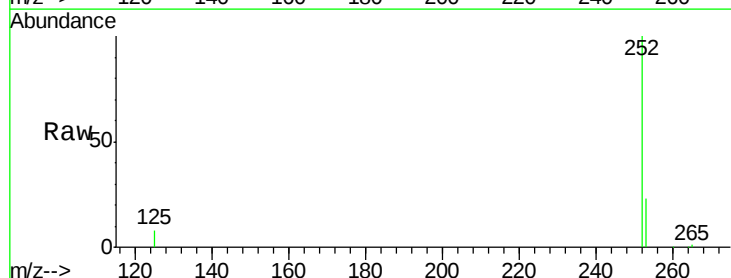
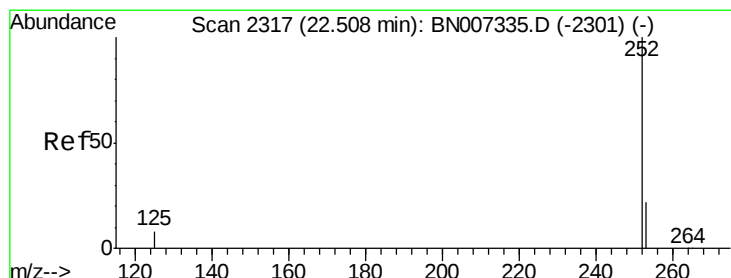
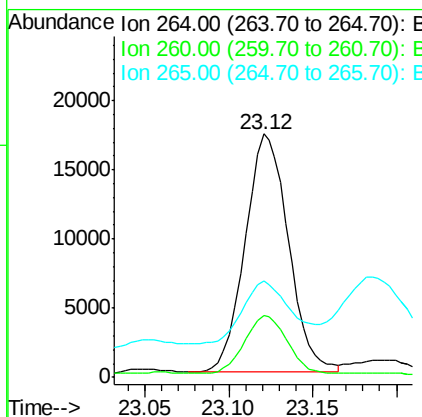
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2496
 Delta R.T. -0.01 min
 Lab File: BN007350.D
 Acq: 24 Aug 2019 05:14

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.7	29.5
265	39.4	29.9	44.9

Instrument :
 BNA_N
 ClientSampleId :
 S700-N-0.0-0.5-082019DL

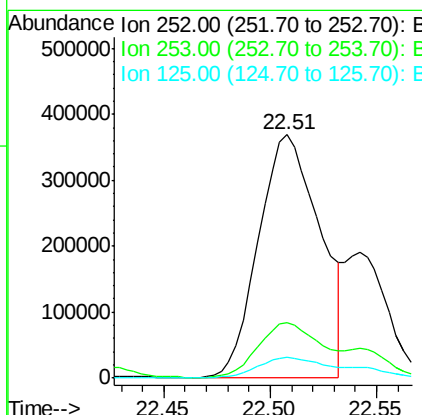
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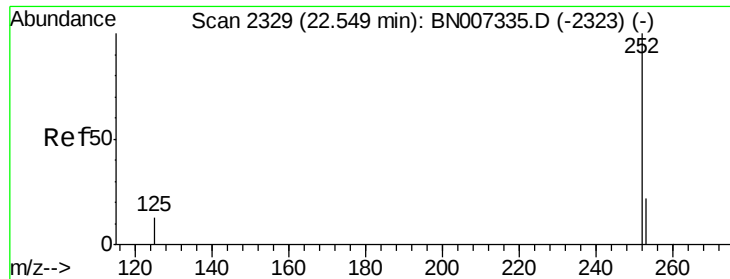
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#35
 Benzo(b)fluoranthene
 Concen: 6.521 ng m
 RT: 22.51 min Scan# 2317
 Delta R.T. 0.00 min
 Lab File: BN007350.D
 Acq: 24 Aug 2019 05:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.2	28.8
125	8.5	10.6	16.0#





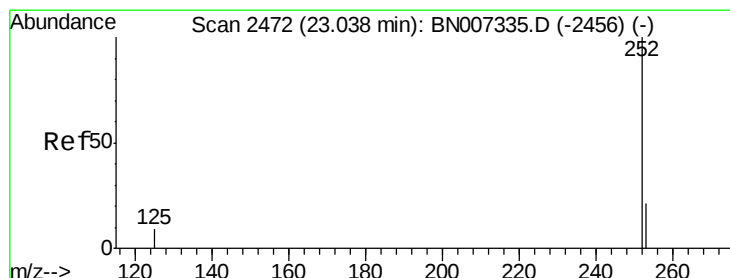
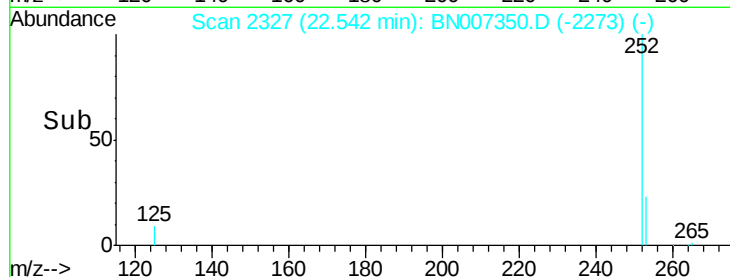
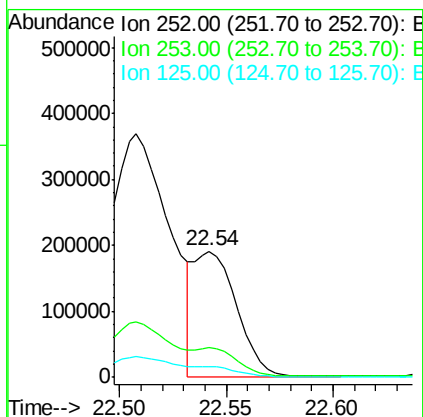
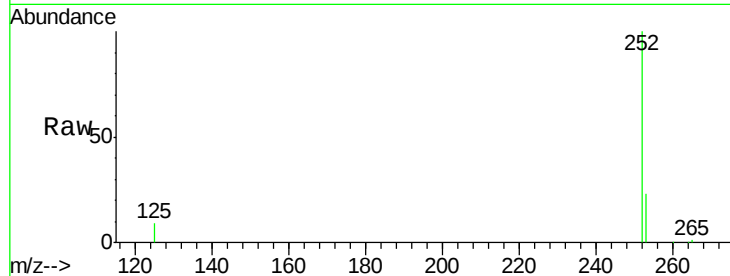
#36
Benzo(k)fluoranthene
Concen: 2.360 ng m
RT: 22.54 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.4	29.2
125	8.5	13.1	19.7#

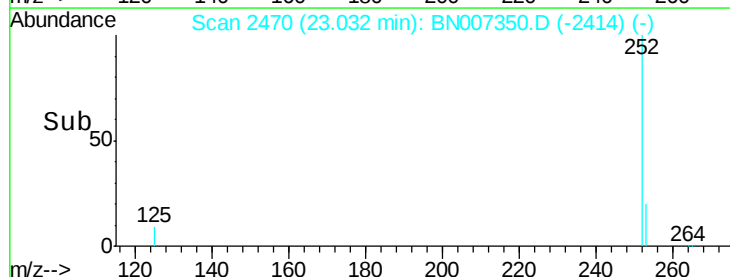
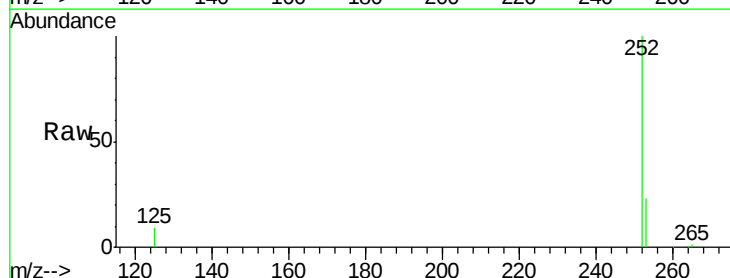
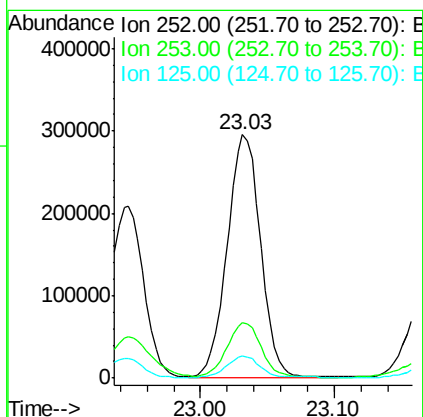
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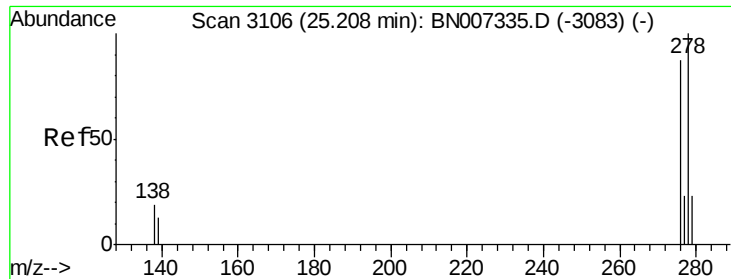
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#37
Benzo(a)pyrene
Concen: 4.737 ng m
RT: 23.03 min Scan# 2470
Delta R.T. -0.01 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.5	29.3
125	8.9	12.1	18.1#





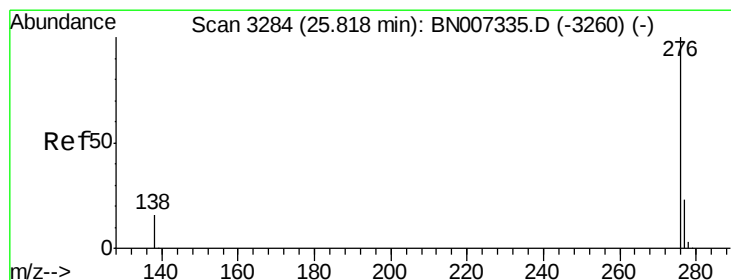
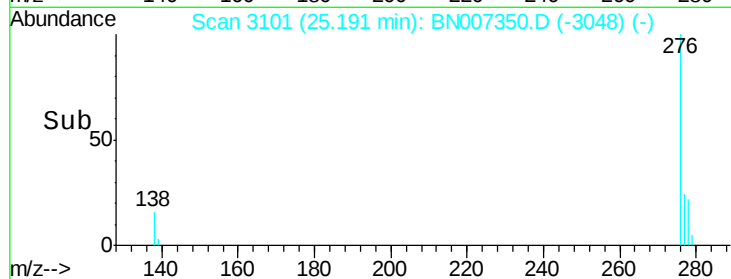
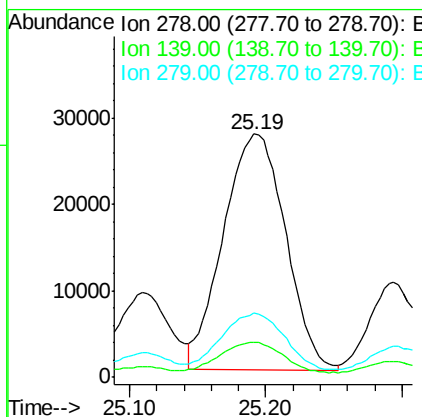
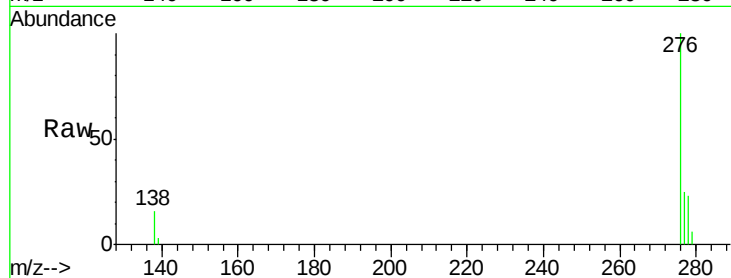
#38
Dibenzo(a,h)anthracene
Concen: 0.810 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Instrument :
BNA_N
ClientSampleId :
S700-N-0.0-0.5-082019DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.3	13.7	20.5
279	26.4	20.2	30.4

Manual Integrations
APPROVED

mohammad
8/29/2019 7:59:53 AM



#39
Benzo(g,h,i)perylene
Concen: 3.258 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.00 min
Lab File: BN007350.D
Acq: 24 Aug 2019 05:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.6	29.4
138	16.6	16.3	24.5

