

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082519\
 Data File : BN007395.D
 Acq On : 25 Aug 2019 14:51
 Operator : HP/JU
 Sample : K4441-12DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S700-N-1.0-1.5-082019DL

Manual Integrations
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Quant Time: Aug 26 05:56:46 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	3926	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	16101	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	8637	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	19690	0.40	ng	0.00
27) Chrysene-d12	21.02	240	21050	0.40	ng	0.00
34) Perylene-d12	23.12	264	23783	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	709	0.03	ng	0.00
5) Phenol-d6	6.59	99	882	0.02	ng	0.00
8) Nitrobenzene-d5	8.53	82	925	0.07	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	1245	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	249	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	2501	0.07	ng	0.00
25) Fluoranthene-d10	18.84	212	2461	0.04	ng	0.00
29) Terphenyl-d14	19.46	244	4458	0.08	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.20	128	2764	0.060	ng	94
12) 2-Methylnaphthalene	11.83	142	1328	0.042	ng	# 93
17) Acenaphthene	14.10	154	10391	0.348	ng	98
18) Fluorene	15.10	166	10551	0.279	ng	99
23) Phenanthrene	16.84	178	191443	3.232	ng	99
24) Anthracene	16.93	178	37277	0.626	ng	95
26) Fluoranthene	18.87	202	389252	5.119	ng	99
28) Pyrene	19.24	202	341346	4.031	ng	# 96
30) Benzo(a)anthracene	21.00	228	268283	3.245	ng	100
31) Chrysene	21.06	228	247599	3.103	ng	97
32) Bis(2-ethylhexyl)phthalate	20.97	149	4178m	0.059	ng	
33) Indeno(1,2,3-cd)pyrene	25.18	276	157024	1.634	ng	98
35) Benzo(b)fluoranthene	22.51	252	385122m	4.469	ng	
36) Benzo(k)fluoranthene	22.54	252	129741m	1.523	ng	
37) Benzo(a)pyrene	23.03	252	255284m	3.113	ng	
38) Dibenzo(a,h)anthracene	25.19	278	46687	0.571	ng	96
39) Benzo(a,h,i)perylene	25.81	276	157496	1.932	ng	96

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

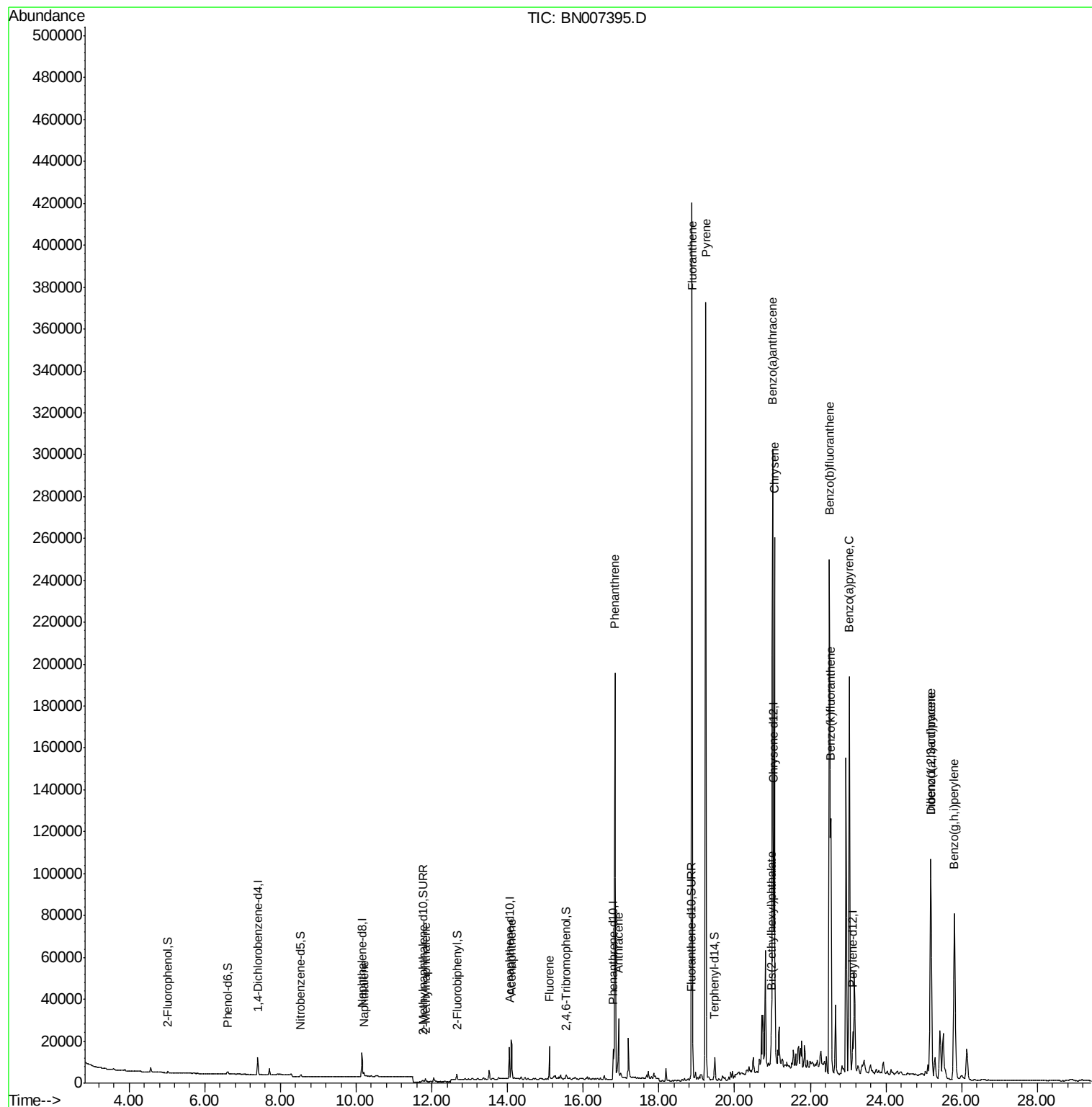
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082519\
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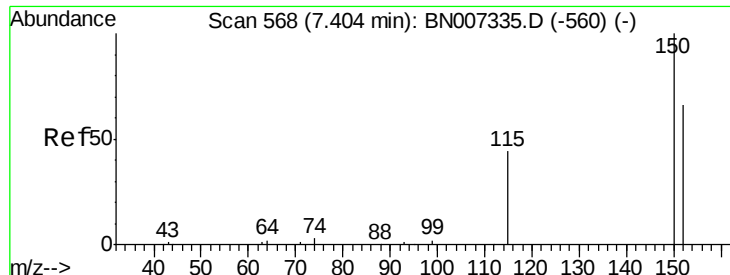
Instrument :
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S700-N-1.0-1.5-082019DL

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#1

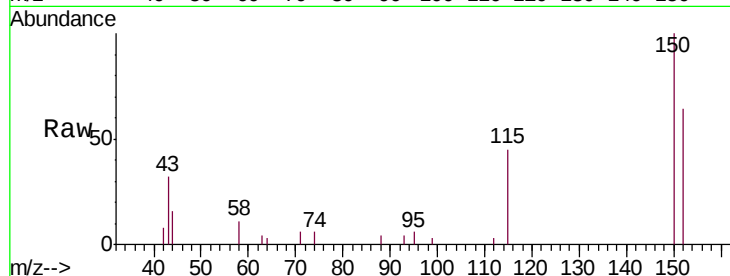
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Instrument :
BNA_N
ClientSampleId :
S700-N-1.0-1.5-082019DL

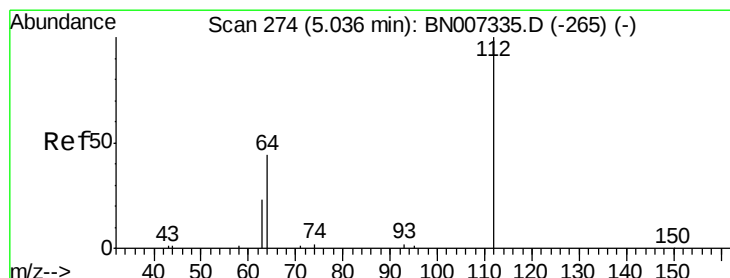
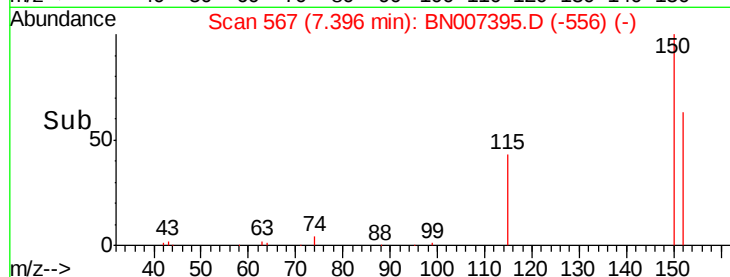
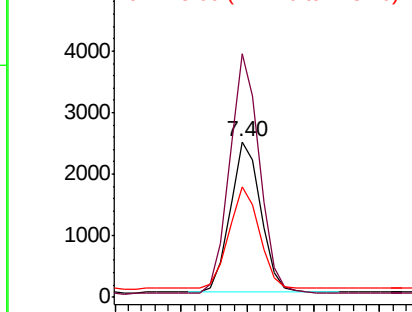
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	109.1	163.7
115	71.3	59.6	89.4

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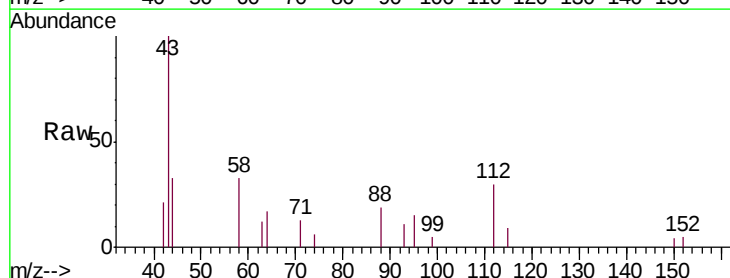
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



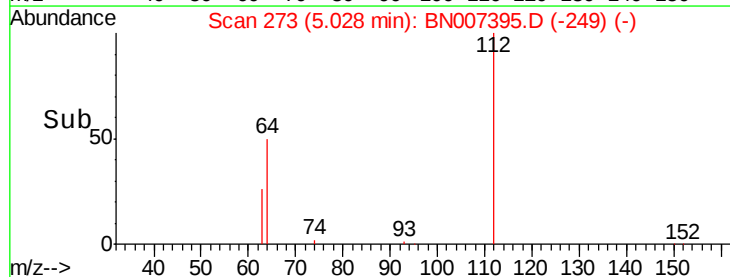
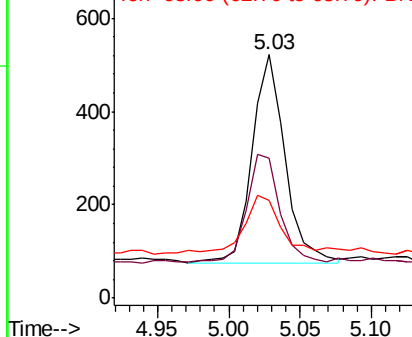
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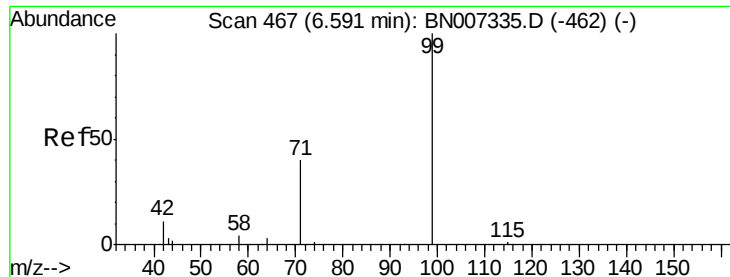
2-Fluorophenol
Concen: 0.026 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	42.3	63.5
63	37.4	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: 0.022 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Instrument :

BNA_N

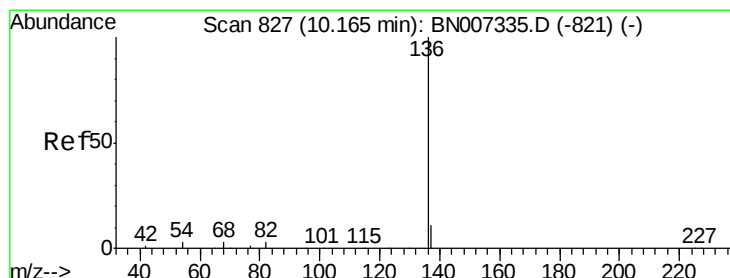
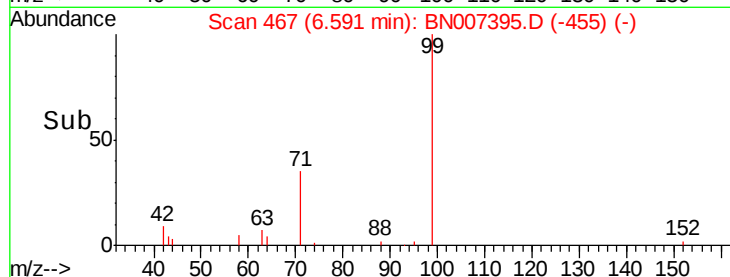
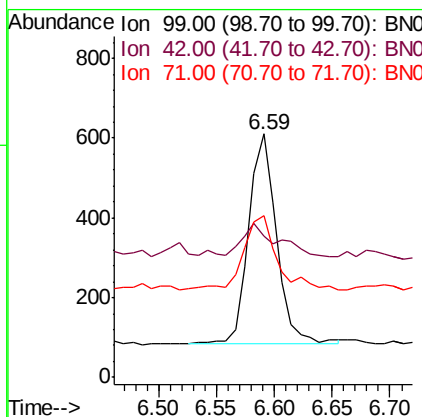
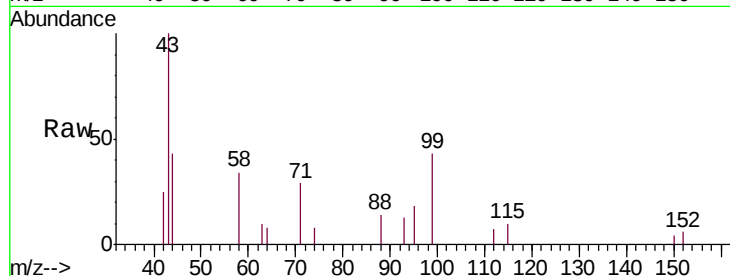
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion:	99	Resp:	882
Ion	Ratio	Lower	Upper
99	100		
42	21.7	11.2	16.8#
71	43.8	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

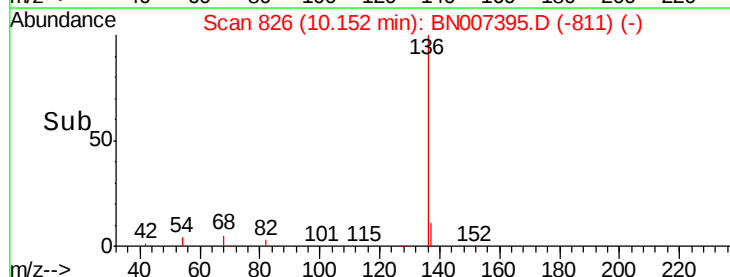
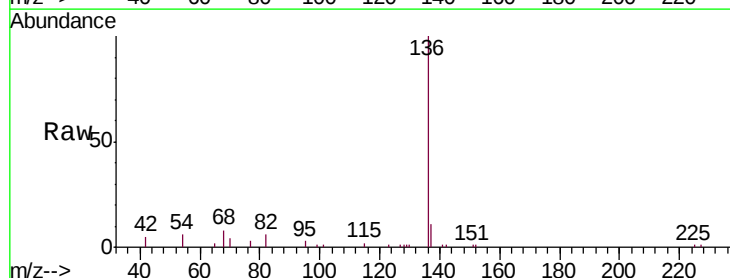
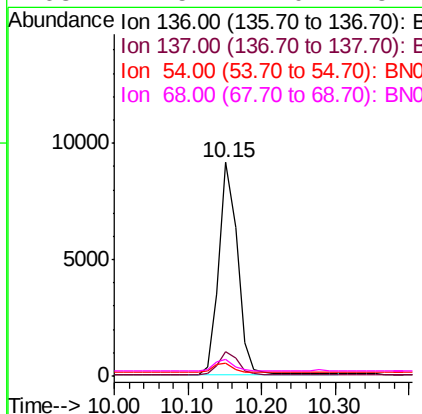
RT: 10.15 min Scan# 826

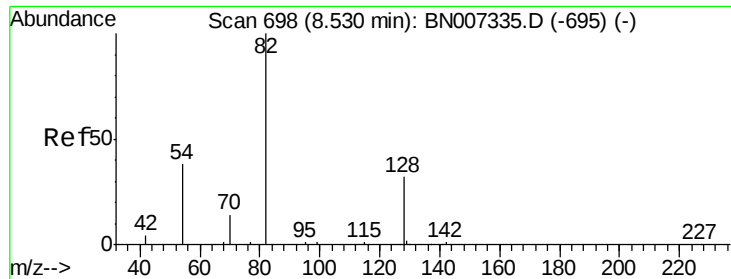
Delta R.T. -0.01 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Tgt Ion:	136	Resp:	16101
Ion	Ratio	Lower	Upper
136	100		
137	11.3	12.9	19.3#
54	5.8	8.6	12.8#
68	7.5	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.066 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Instrument :

BNA_N

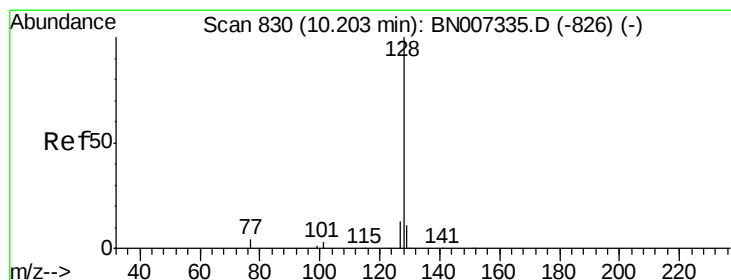
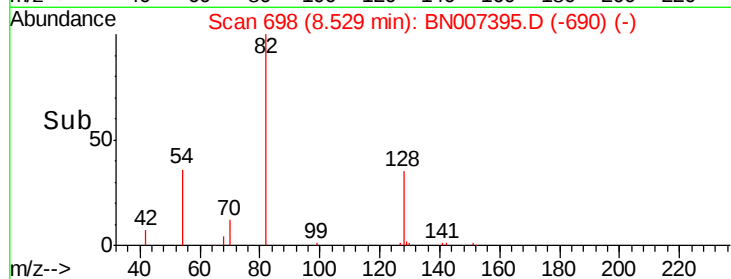
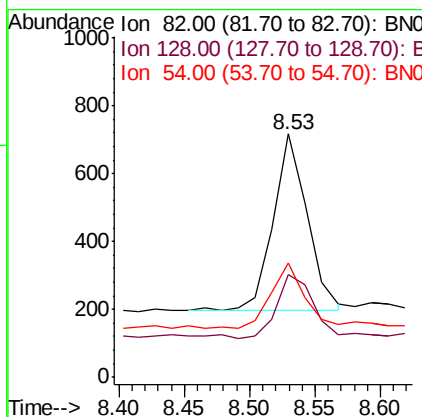
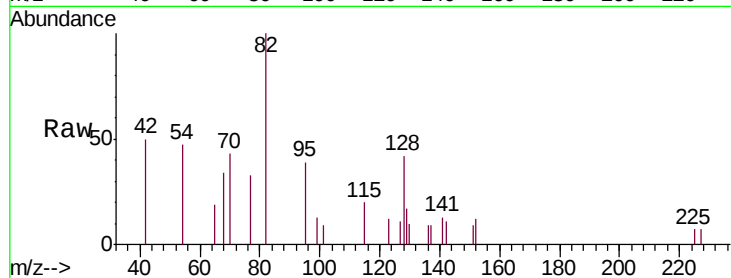
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion	82	Resp:	925
Ion Ratio	Lower	Upper	
82	100		
128	42.1	19.7	29.5#
54	47.1	25.8	38.6#

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#9

Naphthalene

Concen: 0.060 ng

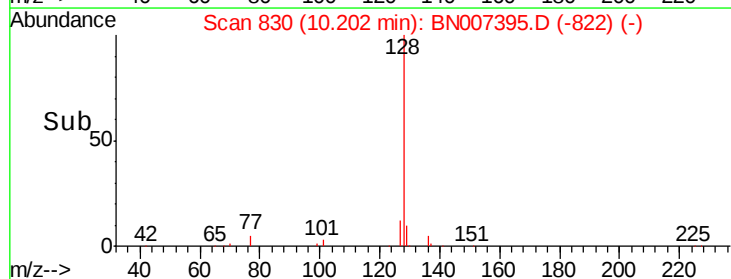
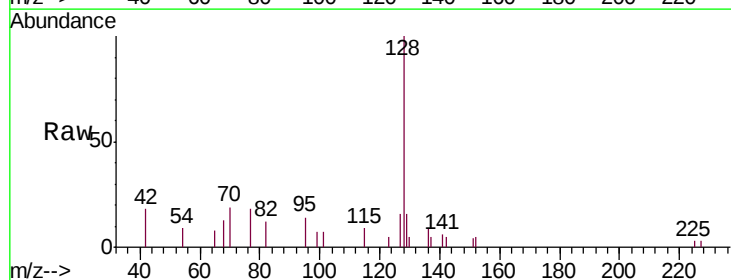
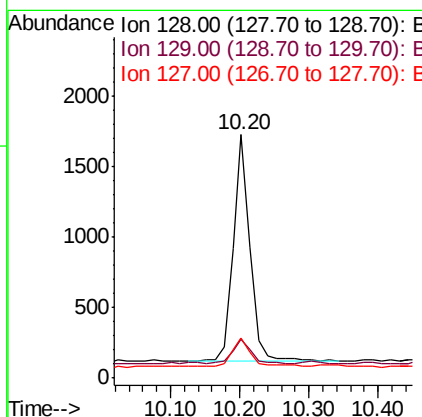
RT: 10.20 min Scan# 830

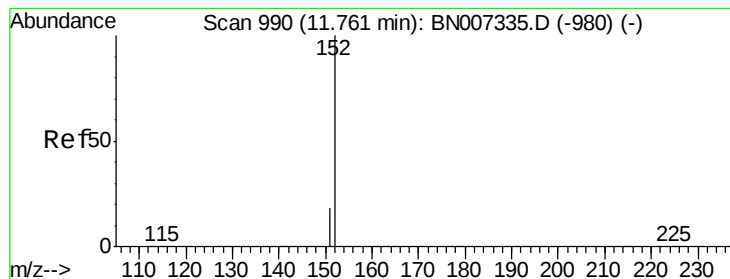
Delta R.T. -0.00 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Tgt Ion	128	Resp:	2764
Ion Ratio	Lower	Upper	
128	100		
129	16.1	11.1	16.7
127	16.3	15.5	23.3





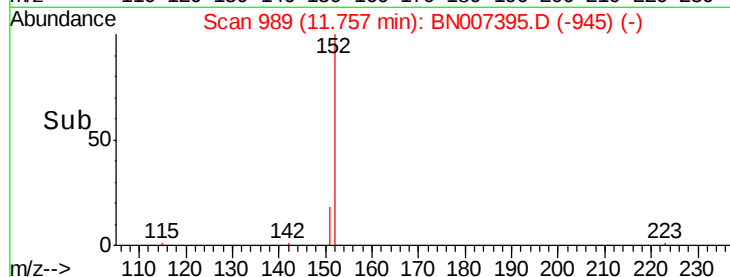
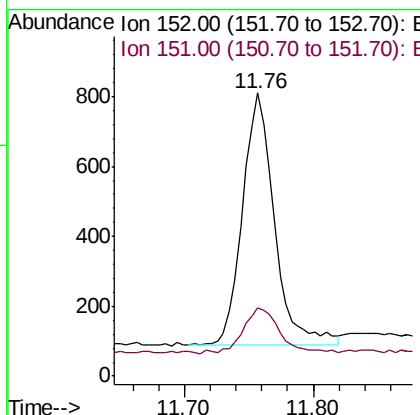
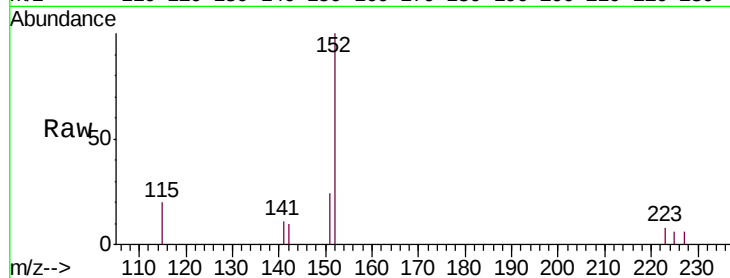
#11
2-Methylnaphthalene-d10
Concen: 0.047 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Instrument :
BNA_N
ClientSampleId :
S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.2	24.2

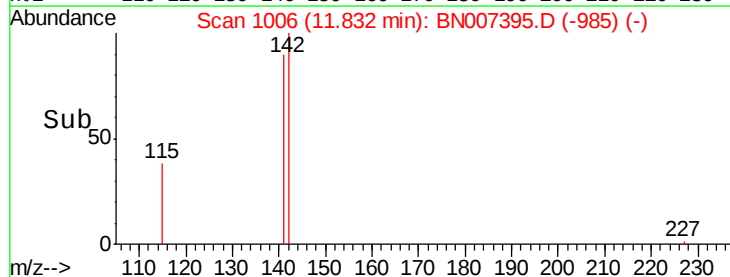
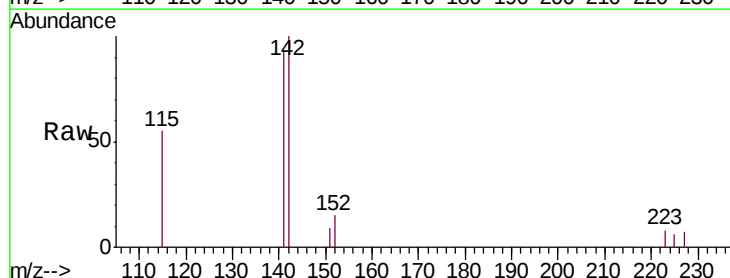
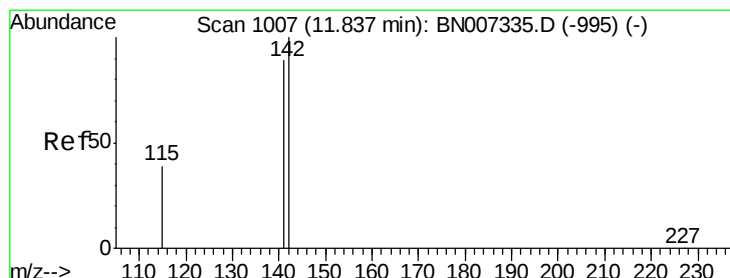
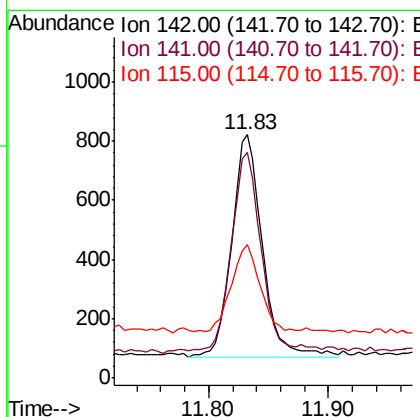
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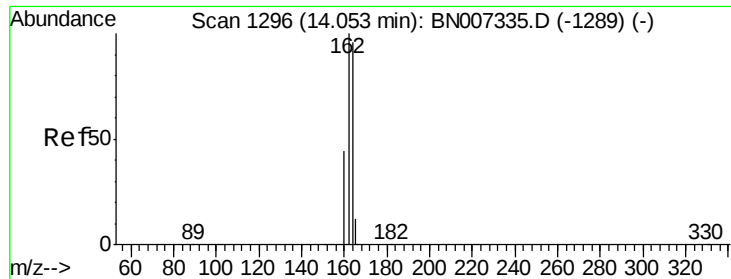
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#12
2-Methylnaphthalene
Concen: 0.042 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	72.8	109.2
115	54.7	35.2	52.8#





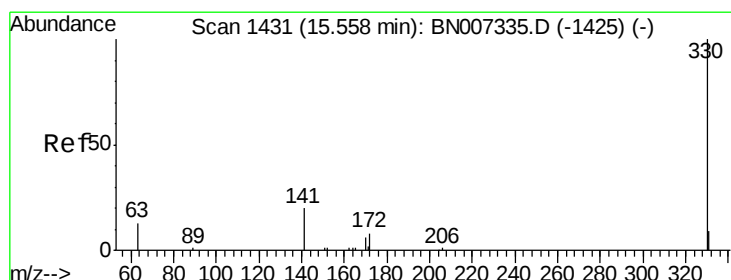
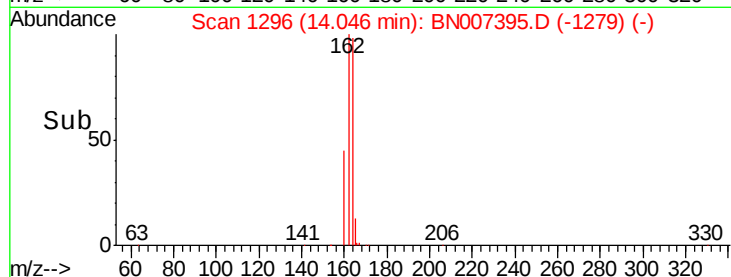
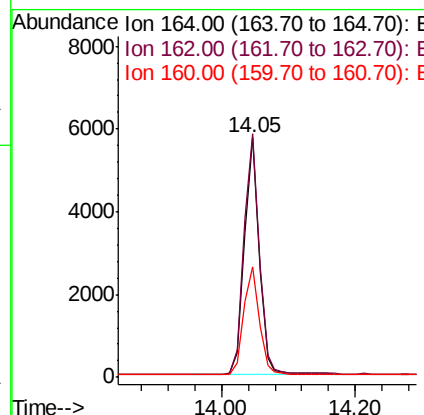
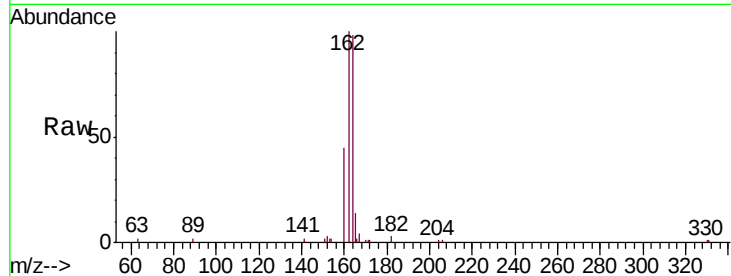
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Instrument :
BNA_N
ClientSampleId :
S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	83.5	125.3	
160	45.9	38.2	57.4	

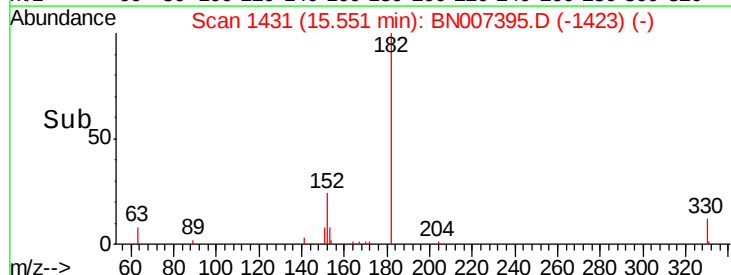
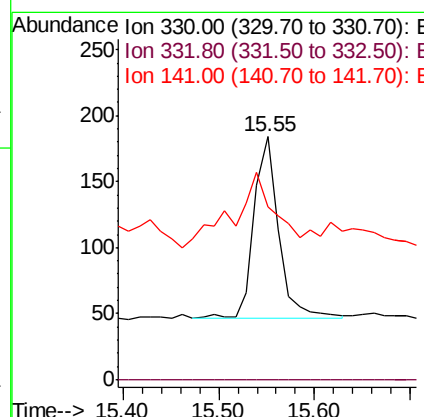
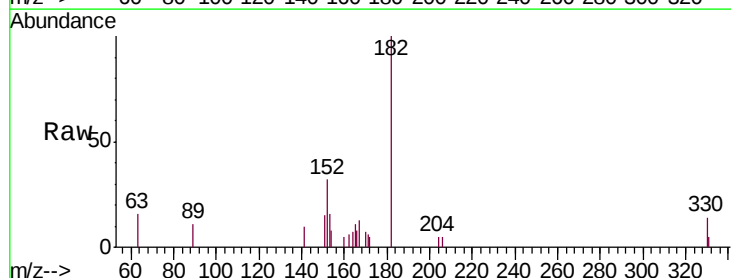
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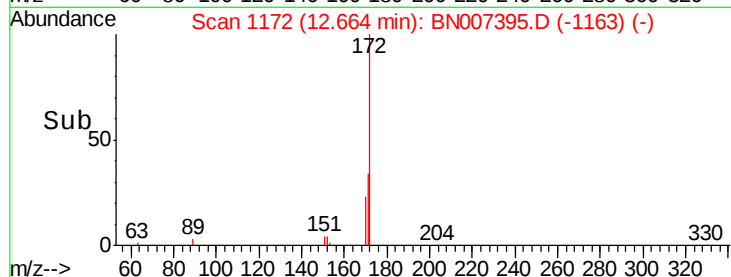
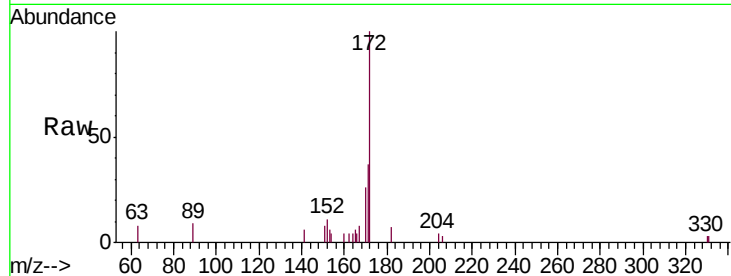
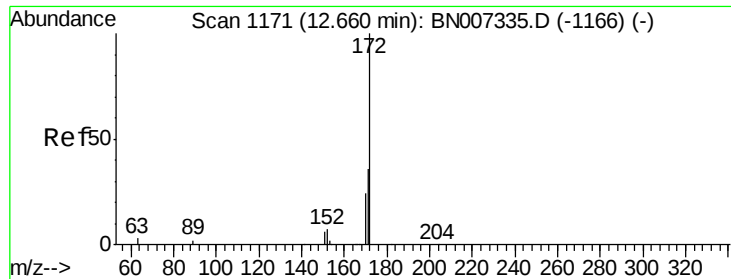
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#14
2,4,6-Tribromophenol
Concen: 0.055 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	0.0	0.0	0.0	
141	50.6	26.9	40.3	





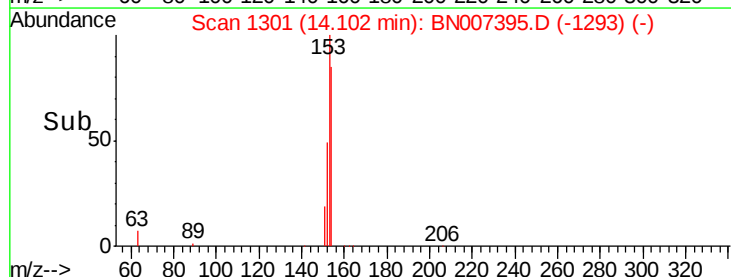
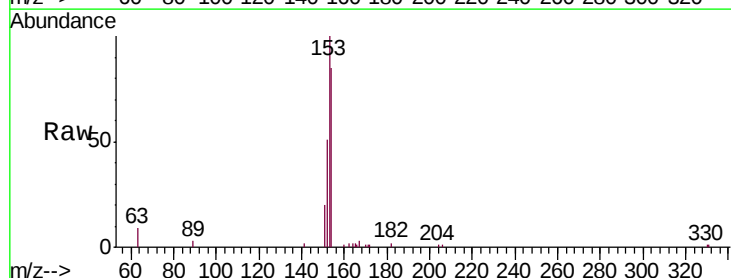
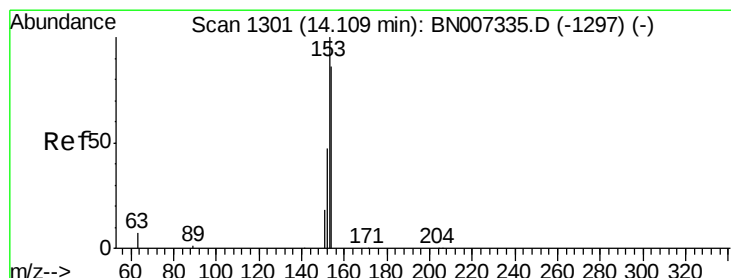
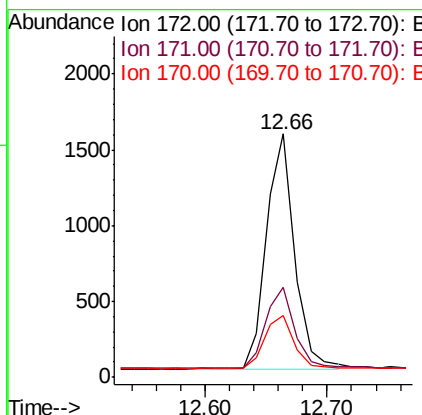
#15
2-Fluorobiphenyl
Concen: 0.072 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Instrument :
BNA_N
ClientSampleId :
S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.3	45.5
170	25.6	20.7	31.1

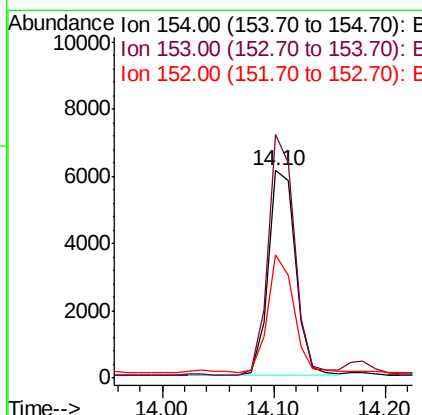
Manual Integrations
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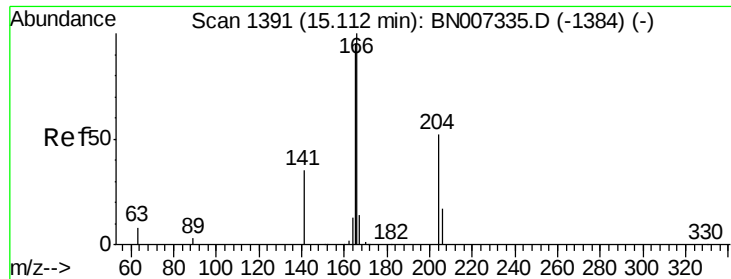
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#17
Acenaphthene
Concen: 0.348 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.1	92.8	139.2
152	55.7	43.8	65.8





#18

Fluorene

Concen: 0.279 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Instrument :

BNA_N

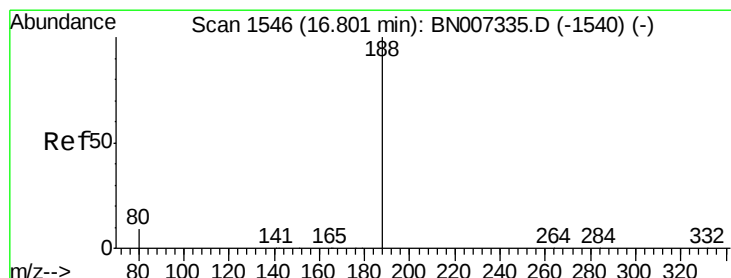
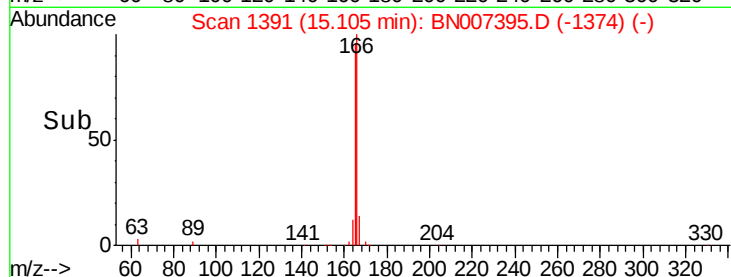
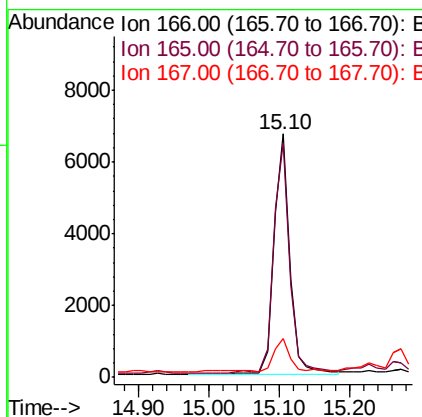
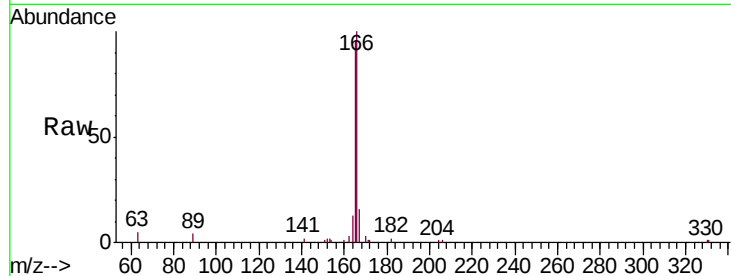
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion:	166	Resp:	10551
Ion Ratio	Lower	Upper	
166	100		
165	97.5	79.0	118.4
167	13.6	10.6	15.8

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#19

Phenanthrene-d10

Concen: 0.400 ng

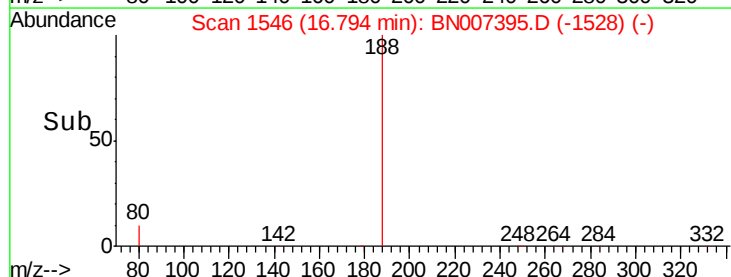
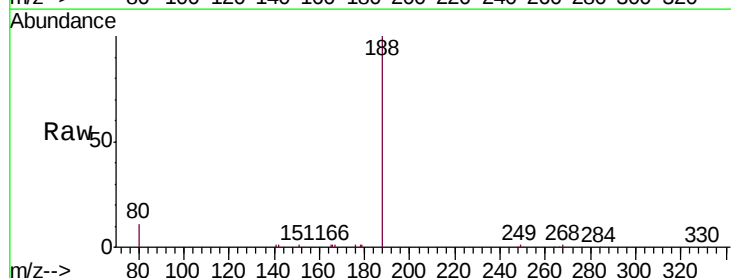
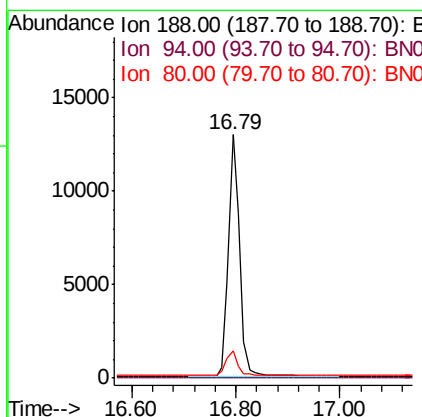
RT: 16.79 min Scan# 1546

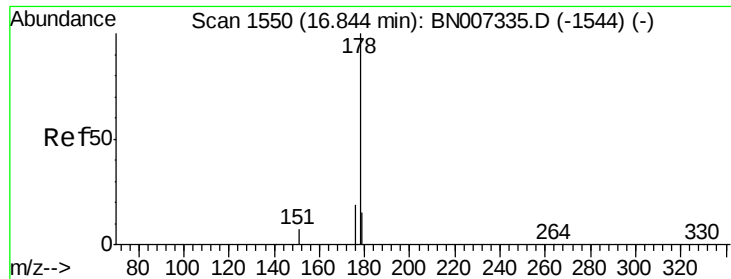
Delta R.T. -0.01 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Tgt Ion:	188	Resp:	19690
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.0	11.8	17.8#





#23

Phenanthrene

Concen: 3.232 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Instrument :

BNA_N

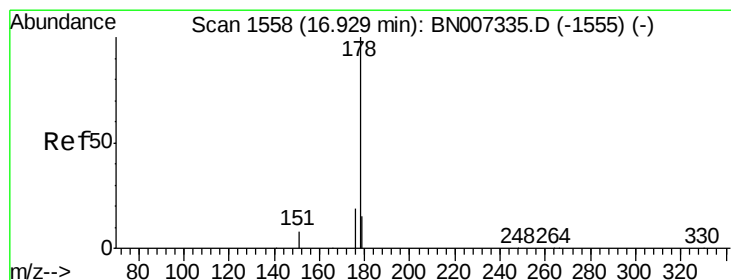
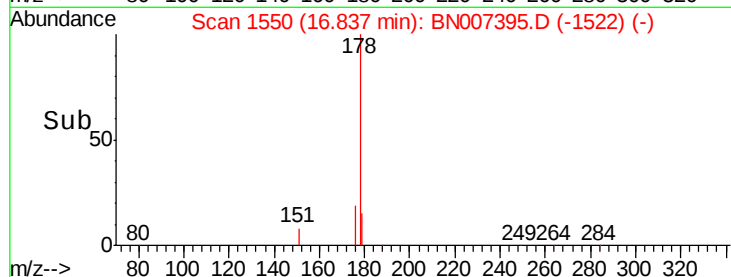
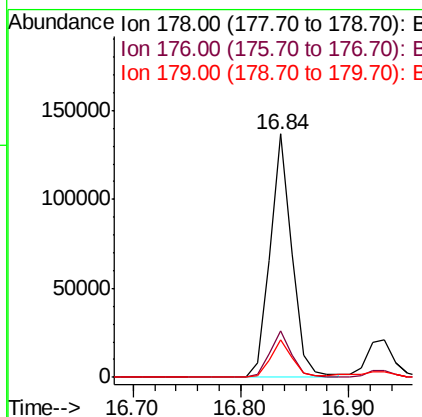
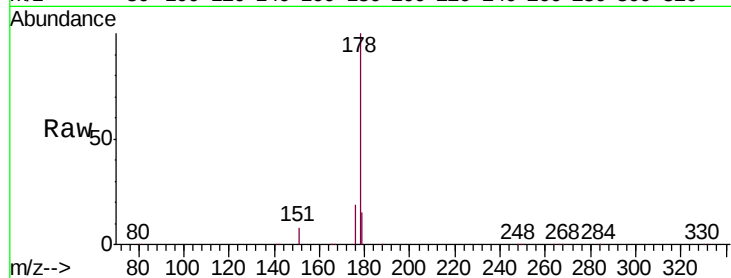
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion:	178	Resp:	191443
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.3	22.9
179	15.2	12.6	19.0

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#24

Anthracene

Concen: 0.626 ng

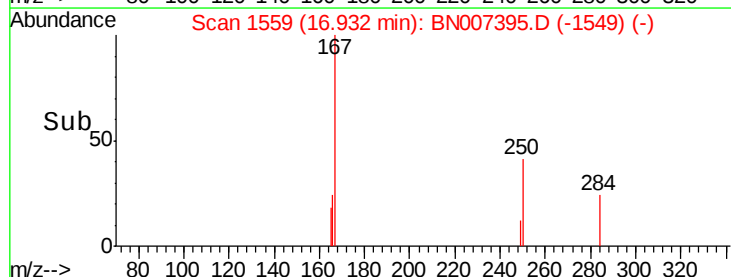
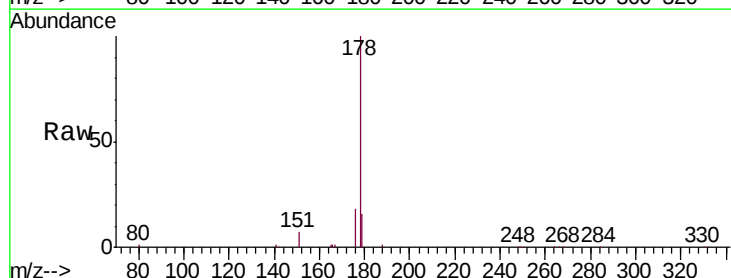
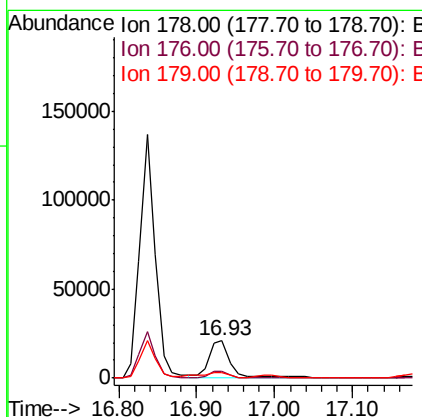
RT: 16.93 min Scan# 1559

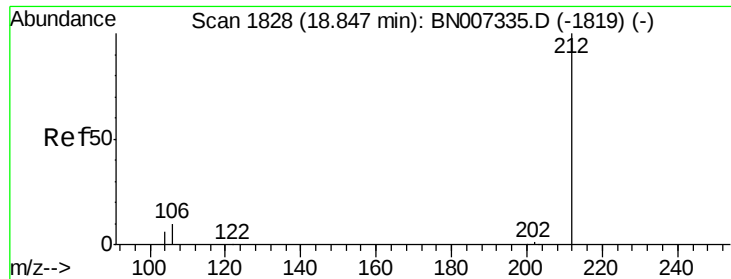
Delta R.T. 0.00 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Tgt Ion:	178	Resp:	37277
Ion Ratio	Lower	Upper	
178	100		
176	17.6	14.9	22.3
179	18.6	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.039 ng

RT: 18.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Instrument :

BNA_N

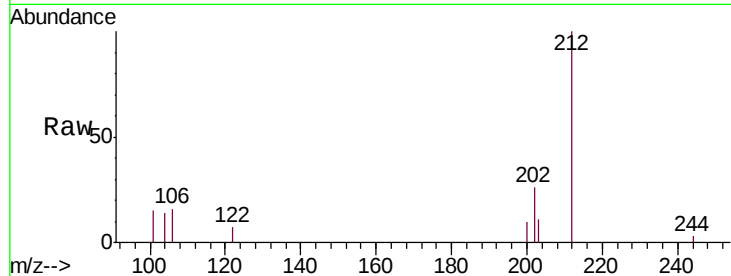
ClientSampleId :

S700-N-1.0-1.5-082019DL

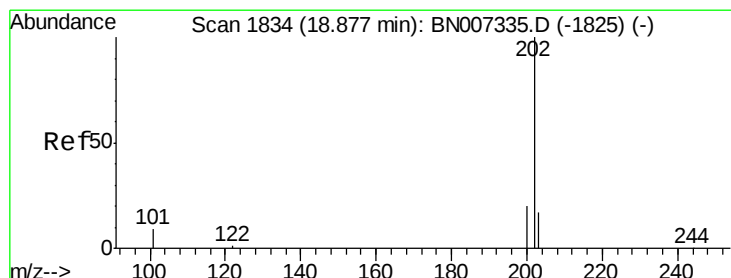
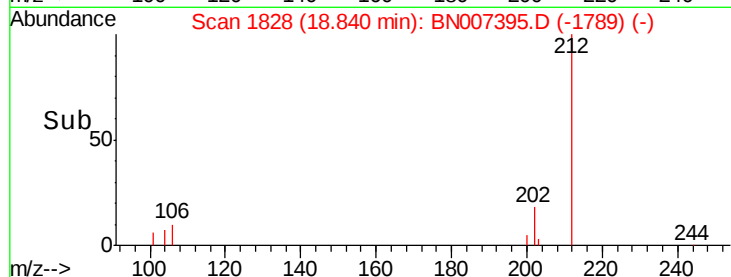
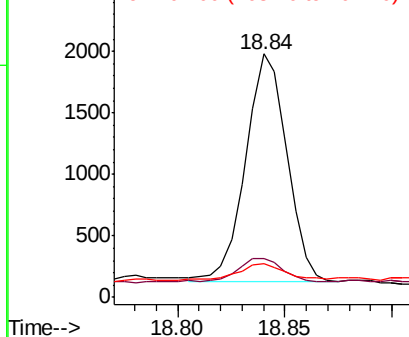
Tot Ion	Ratio	Lower	Upper
212	100		
106	12.7	9.0	13.4
104	8.5	5.4	8.2#

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 5.119 ng

RT: 18.87 min Scan# 1834

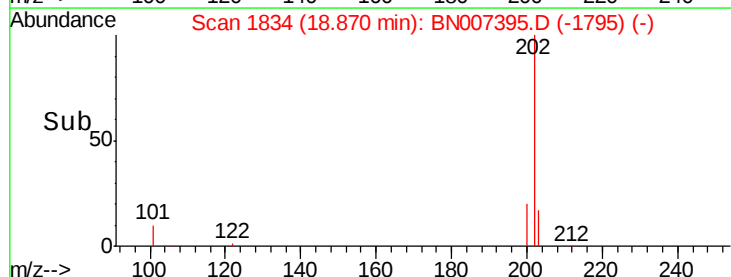
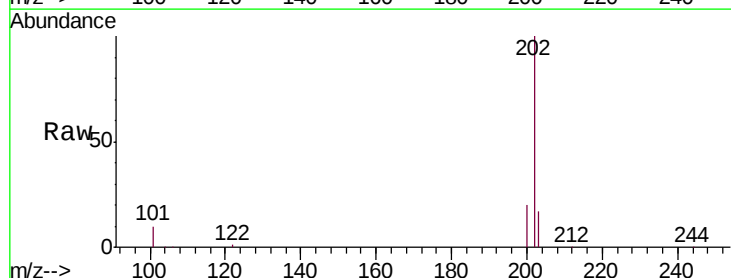
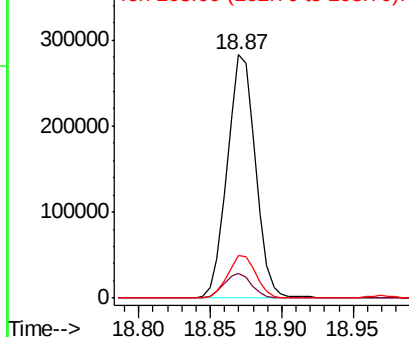
Delta R.T. -0.01 min

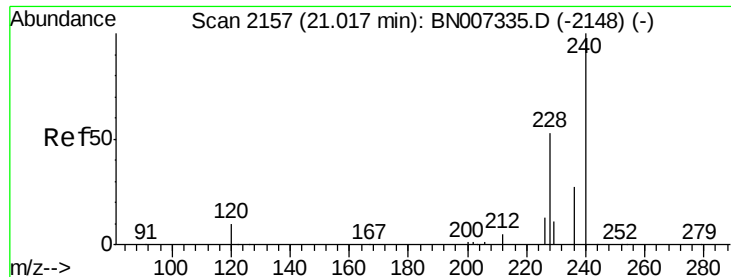
Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.7	11.5
203	17.4	13.7	20.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





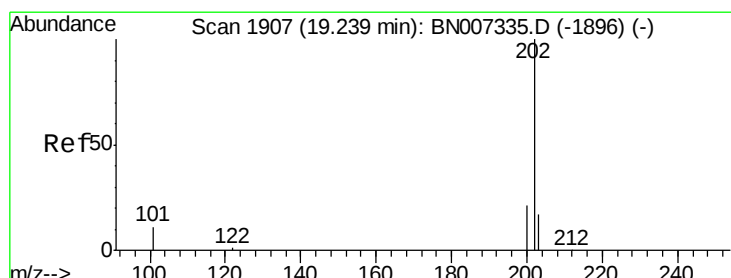
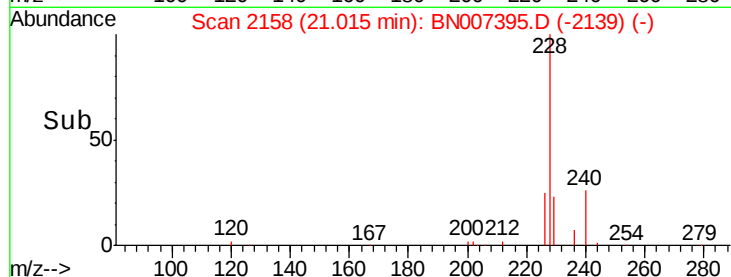
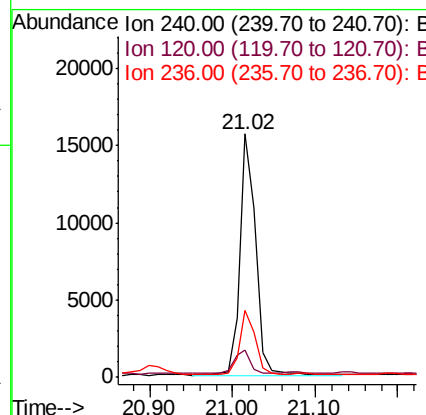
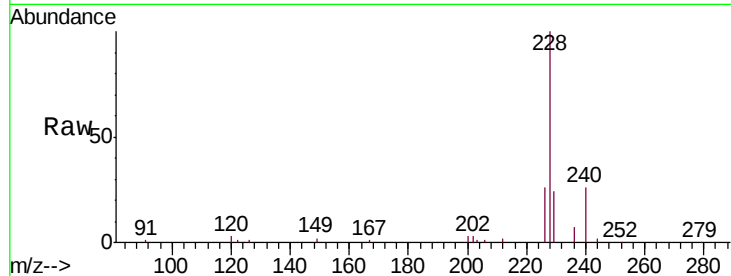
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007395.D
 Acq: 25 Aug 2019 14:51

Instrument :
 BNA_N
 ClientSampleId :
 S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.6	14.4
236	27.7	22.2	33.2

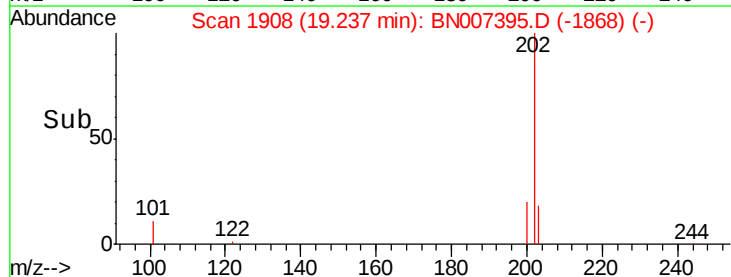
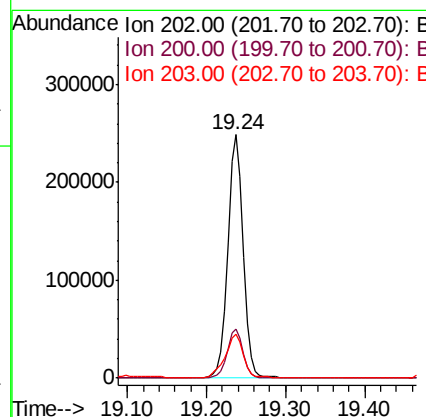
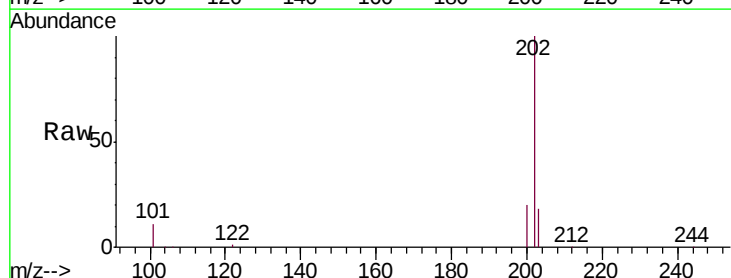
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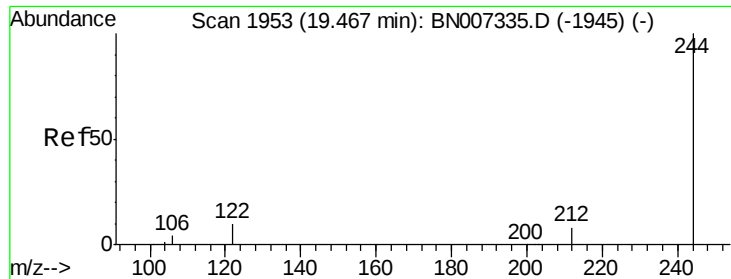
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#28
 Pyrene
 Concen: 4.031 ng
 RT: 19.24 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: BN007395.D
 Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	21.4	14.2	21.4#





#29

Terphenyl-d14

Concen: 0.081 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Instrument :

BNA_N

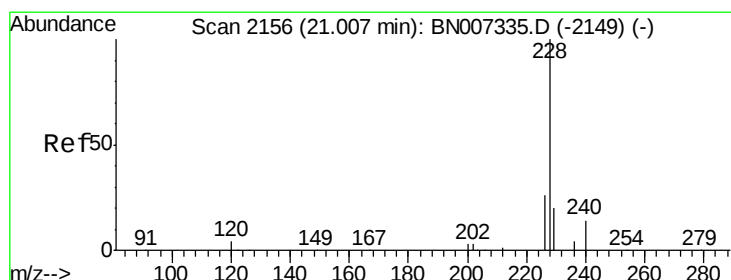
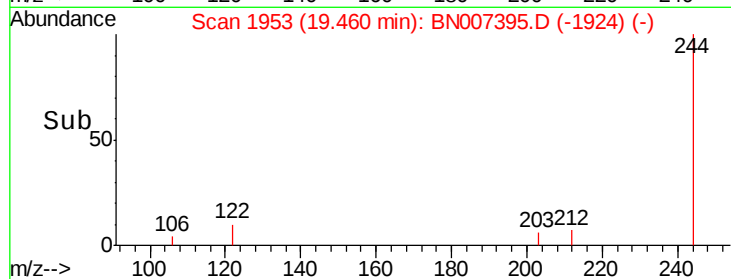
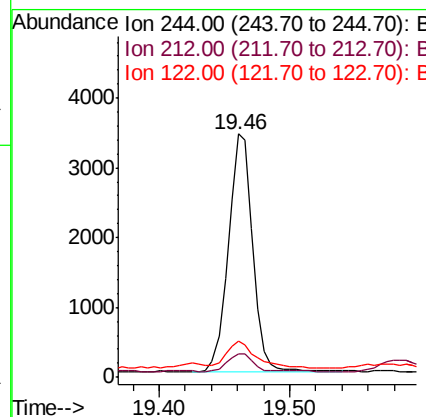
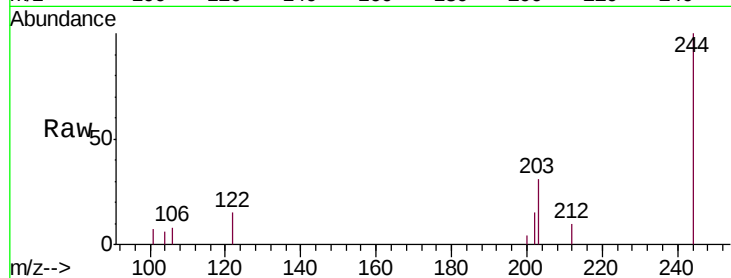
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.0	10.6
122	14.6	9.6	14.4

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#30

Benzo(a)anthracene

Concen: 3.245 ng

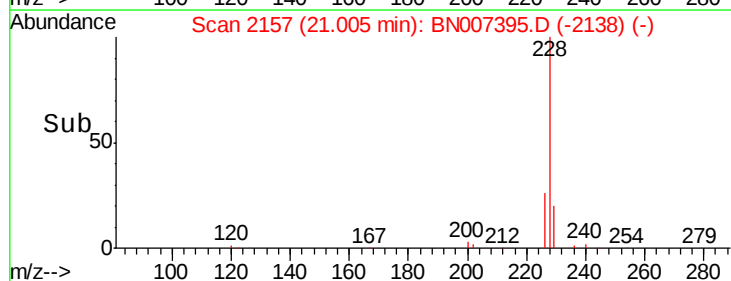
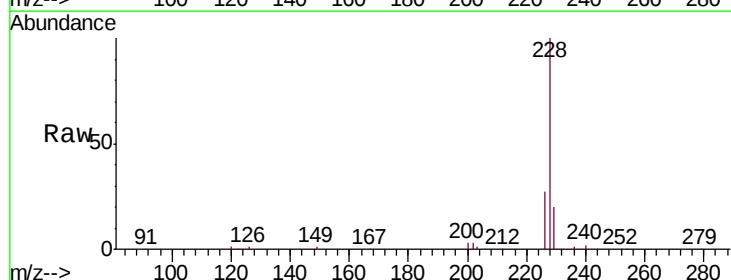
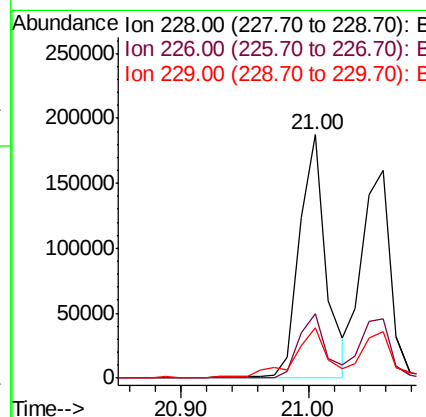
RT: 21.00 min Scan# 2157

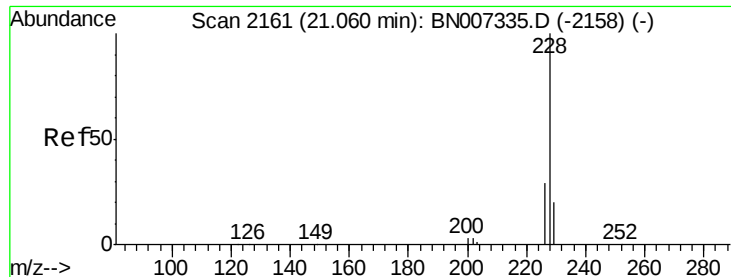
Delta R.T. -0.00 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	20.5	16.1	24.1





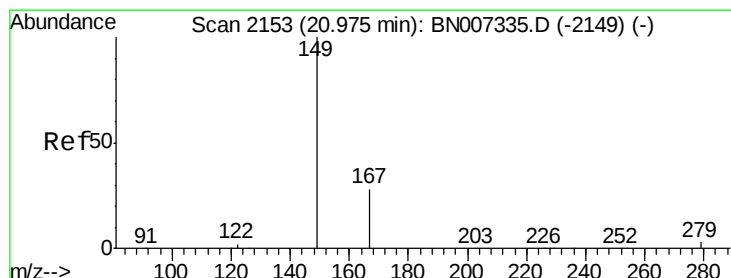
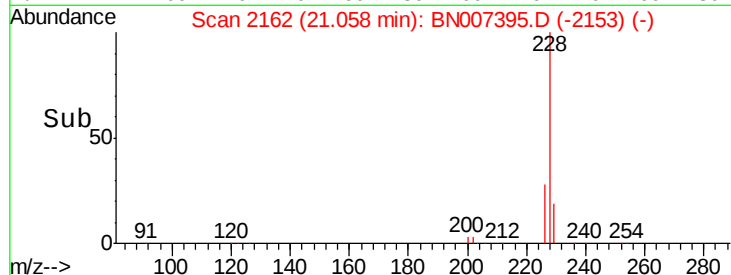
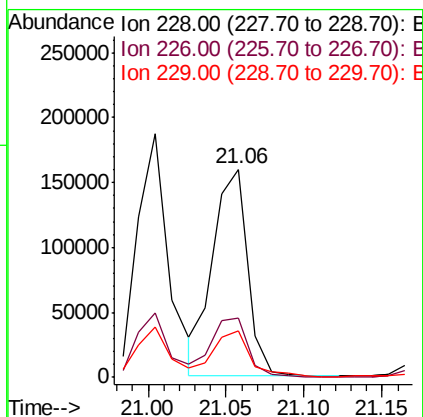
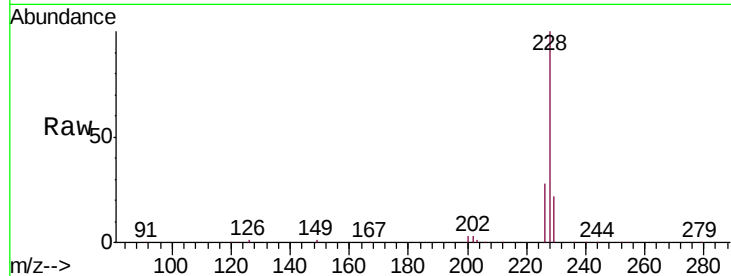
#31
Chrysene
Concen: 3.103 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Instrument :
BNA_N
ClientSampleId :
S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.5	35.3
229	22.5	16.6	24.8

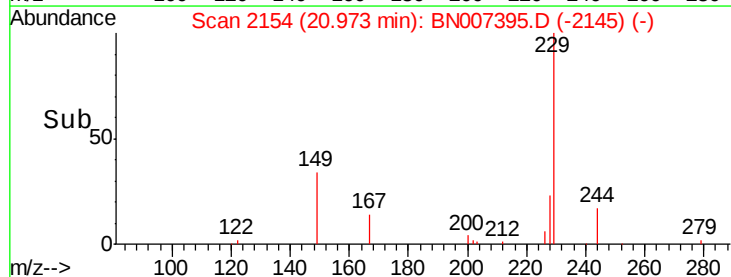
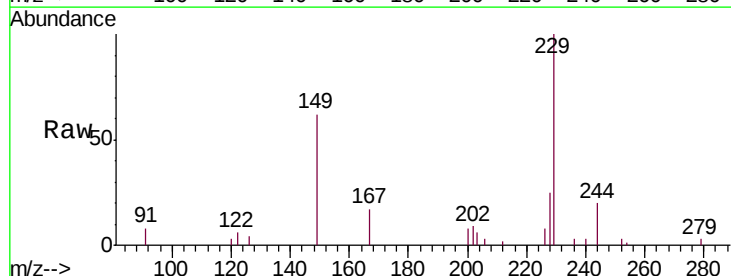
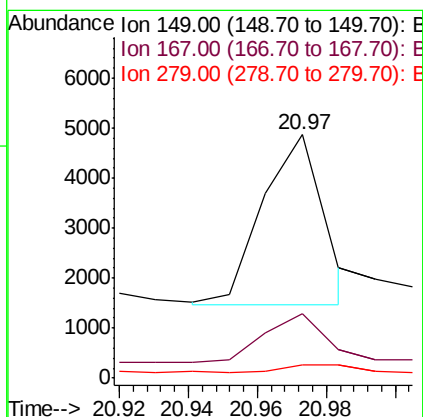
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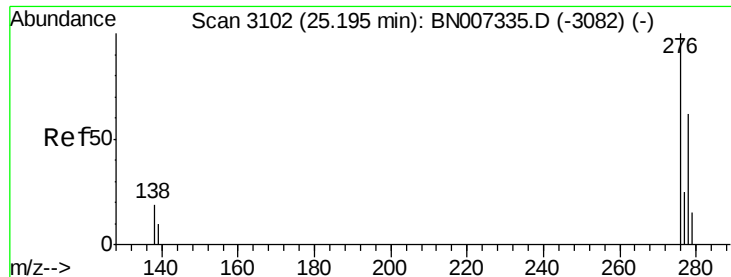
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.059 ng m
RT: 20.97 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	33.8	22.8	34.2
279	5.2	3.5	5.3





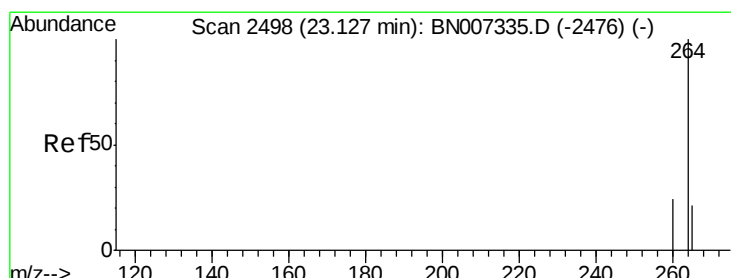
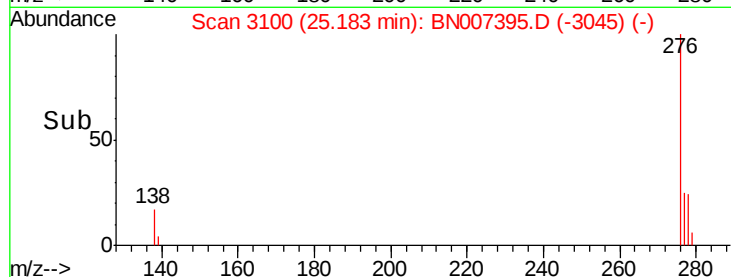
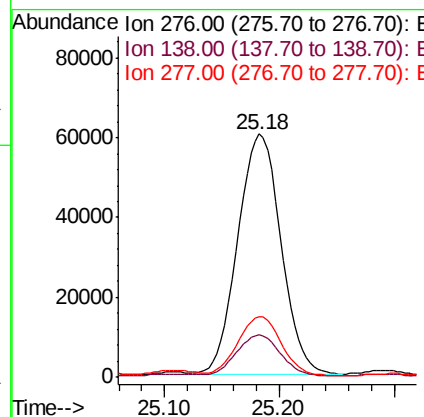
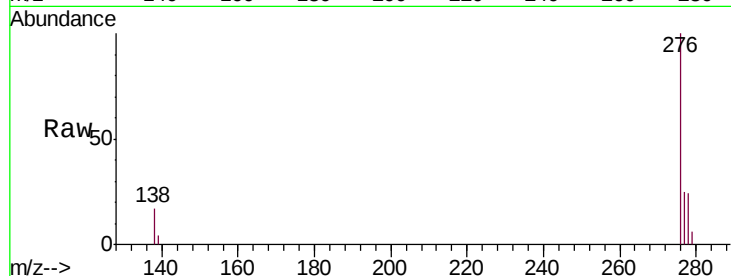
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.634 ng
RT: 25.18 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Instrument :
BNA_N
ClientSampleId :
S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	157024		
138	18.3		15.1	22.7
277	25.7		19.7	29.5

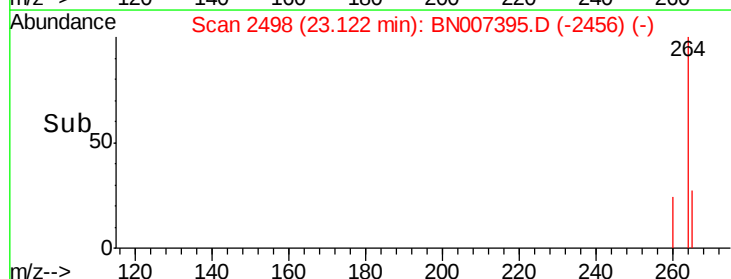
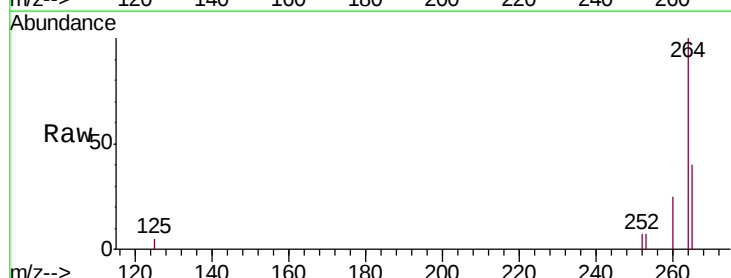
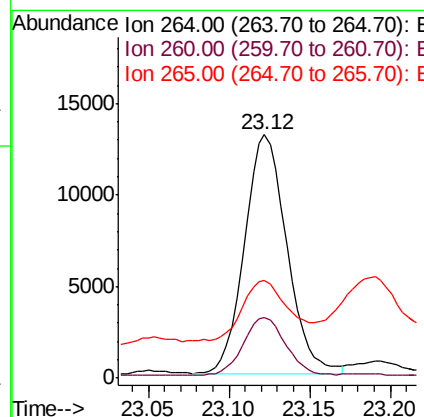
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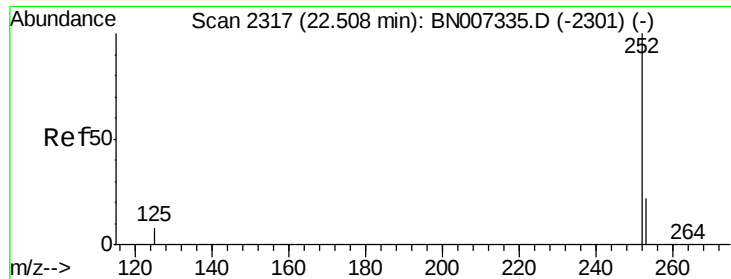
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	23783		
260	24.9		19.7	29.5
265	40.2		29.9	44.9





#35

Benzo(b)fluoranthene

Concen: 4.469 ng m

RT: 22.51 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Instrument :

BNA_N

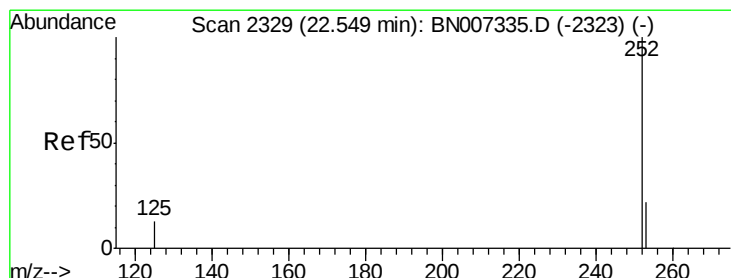
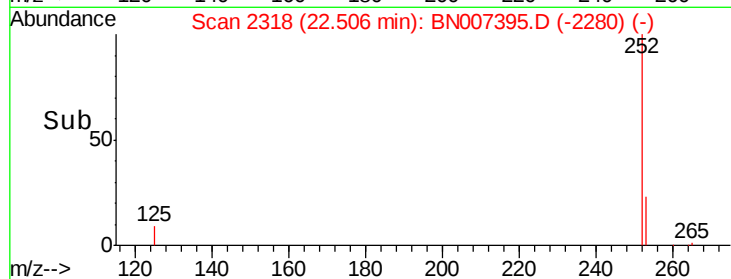
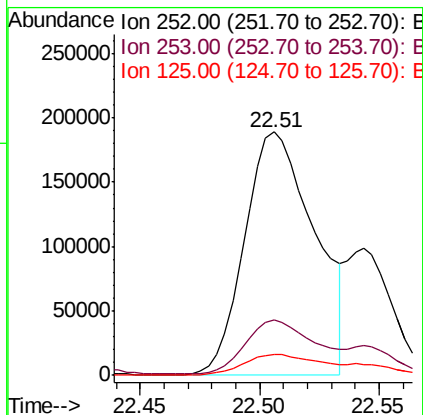
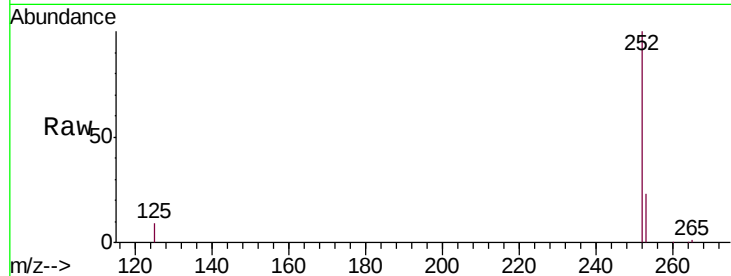
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	19.2	28.8
125	8.6	10.6	16.0

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#36

Benzo(k)fluoranthene

Concen: 1.523 ng m

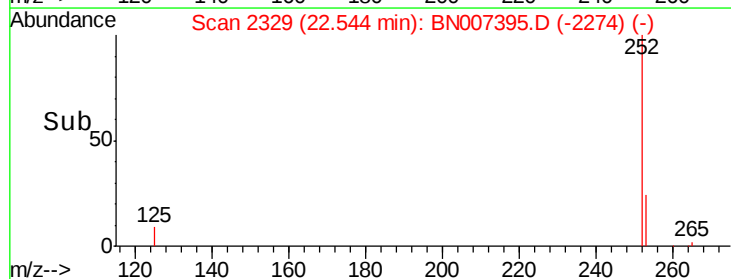
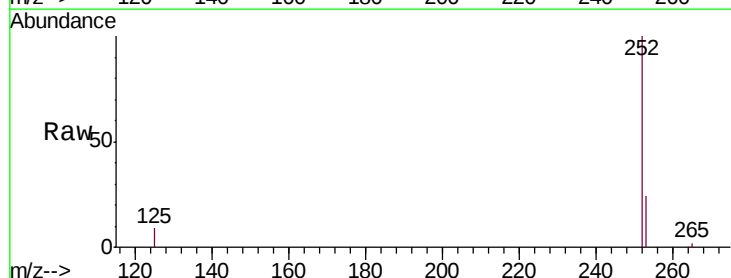
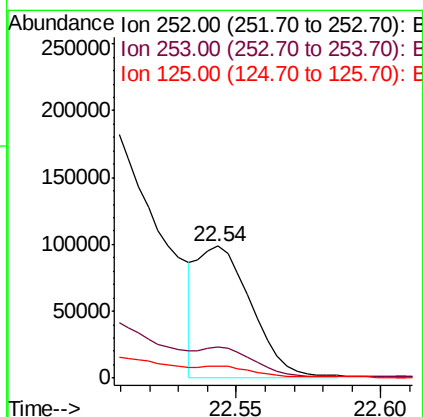
RT: 22.54 min Scan# 2329

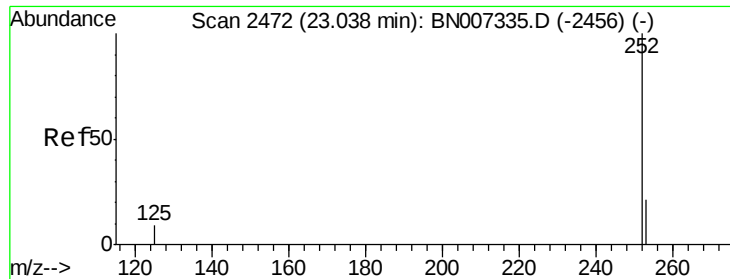
Delta R.T. -0.01 min

Lab File: BN007395.D

Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	19.4	29.2
125	8.9	13.1	19.7





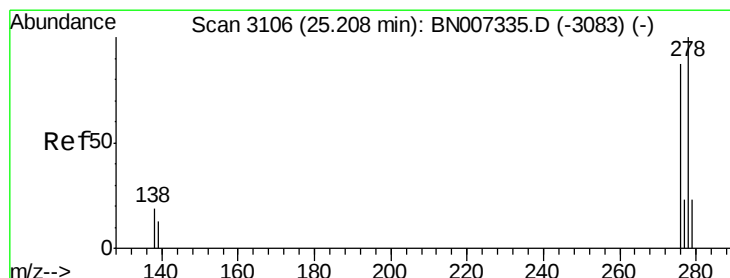
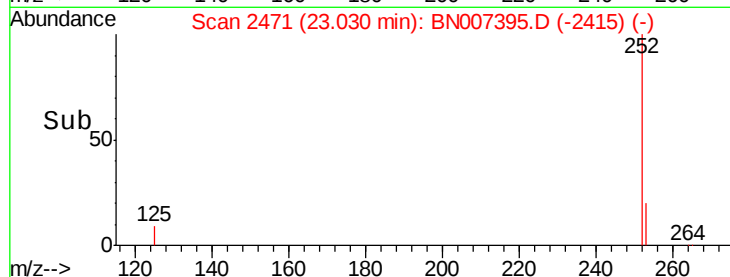
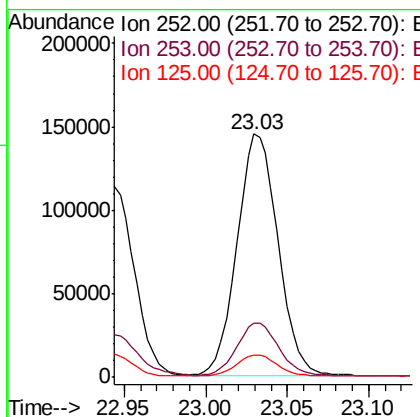
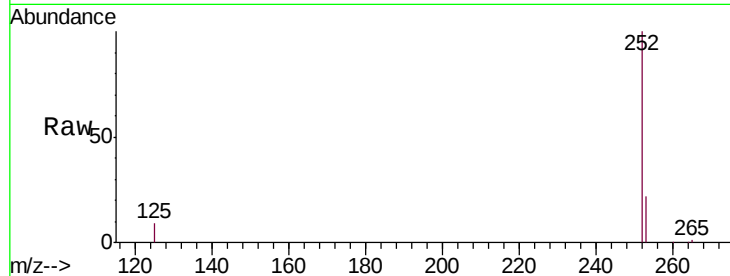
#37
Benzo(a)pyrene
Concen: 3.113 ng m
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Instrument :
BNA_N
ClientSampleId :
S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.5	29.3
125	9.3	12.1	18.1

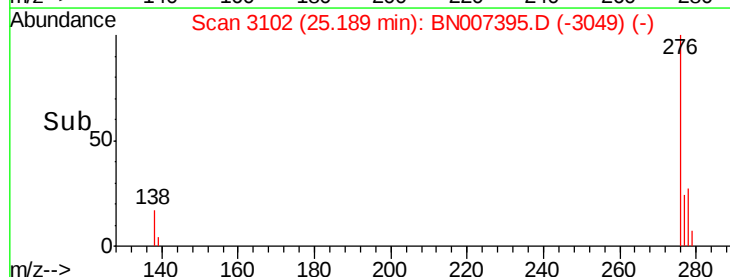
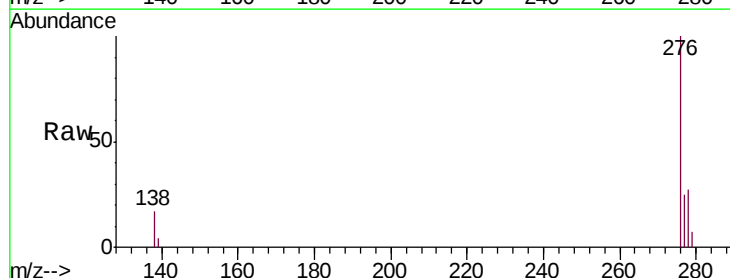
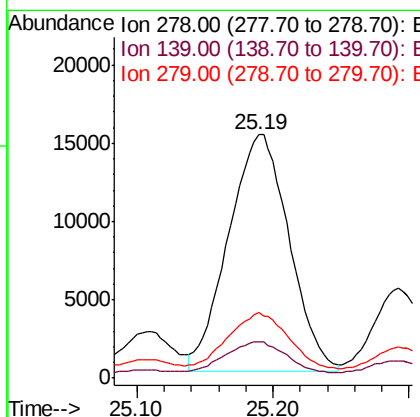
Manual Integrations
APPROVED

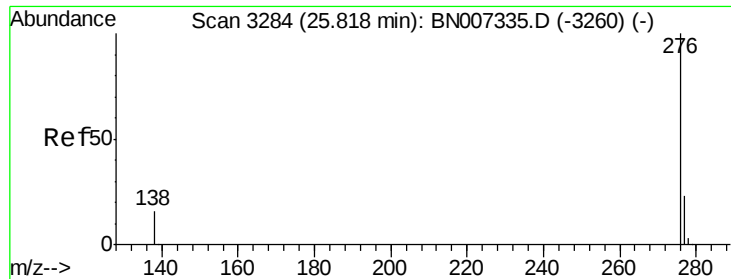
Jagrut
8/26/2019 3:25:08 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.571 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BN007395.D
Acq: 25 Aug 2019 14:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.7	20.5
279	26.7	20.2	30.4





#39

Benzo(a,h,i)perylene

Concen: 1.932 ng

RT: 25.81 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BN007395.D

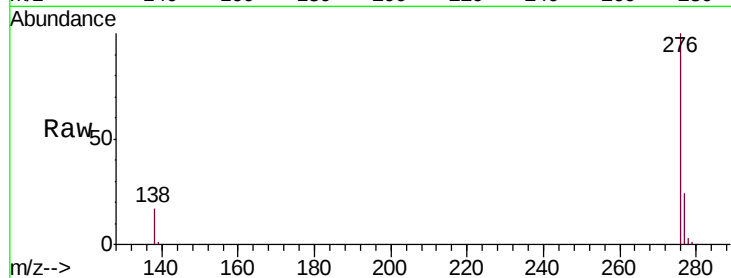
Acq: 25 Aug 2019 14:51

Instrument :

BNA_N

ClientSampleId :

S700-N-1.0-1.5-082019DL



Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	17.1	16.3	24.5

Manual Integrations
APPROVED

Jagrut
8/26/2019 3:25:08 PM

