

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
 Data File : BN007385.D
 Acq On : 25 Aug 2019 05:30
 Operator : HP/JU
 Sample : K4441-12DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Manual Integrations
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 8/31/2019 2:40:35 PM

Quant Time: Aug 26 04:50:10 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	7331	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	29968	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	15342	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	33501	0.40	ng	0.00
27) Chrysene-d12	21.02	240	32790	0.40	ng	0.00
34) Perylene-d12	23.12	264	35814	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	1040	0.01	ng	0.00
5) Phenol-d6	6.59	99	1388	0.01	ng	0.00
8) Nitrobenzene-d5	8.54	82	945	0.04	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	1981	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	349	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	2369	0.04	ng	0.00
25) Fluoranthene-d10	18.84	212	3919	0.04	ng	0.00
29) Terphenyl-d14	19.46	244	2844	0.03	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.20	128	4509	0.053	ng	94
12) 2-Methylnaphthalene	11.83	142	2034	0.035	ng	# 93
17) Acenaphthene	14.11	154	16565	0.312	ng	97
18) Fluorene	15.10	166	16156	0.241	ng	99
23) Phenanthrene	16.84	178	280744	2.786	ng	99
24) Anthracene	16.93	178	55725	0.550	ng	96
26) Fluoranthene	18.87	202	563236	4.353	ng	99
28) Pyrene	19.24	202	484816	3.676	ng	# 96
30) Benzo(a)anthracene	21.00	228	387657	3.010	ng	99
31) Chrysene	21.05	228	331179	2.664	ng	98
32) Bis(2-ethylhexyl)phthalate	20.96	149	3332m	0.021	ng	
33) Indeno(1,2,3-cd)pyrene	25.18	276	203720	1.361	ng	98
35) Benzo(b)fluoranthene	22.50	252	514555m	3.965	ng	
36) Benzo(k)fluoranthene	22.54	252	170310m	1.328	ng	
37) Benzo(a)pyrene	23.03	252	339404m	2.749	ng	
38) Dibenzo(a,h)anthracene	25.19	278	61210	0.497	ng	95
39) Benzo(a,h,i)perylene	25.81	276	201477	1.641	ng	96

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

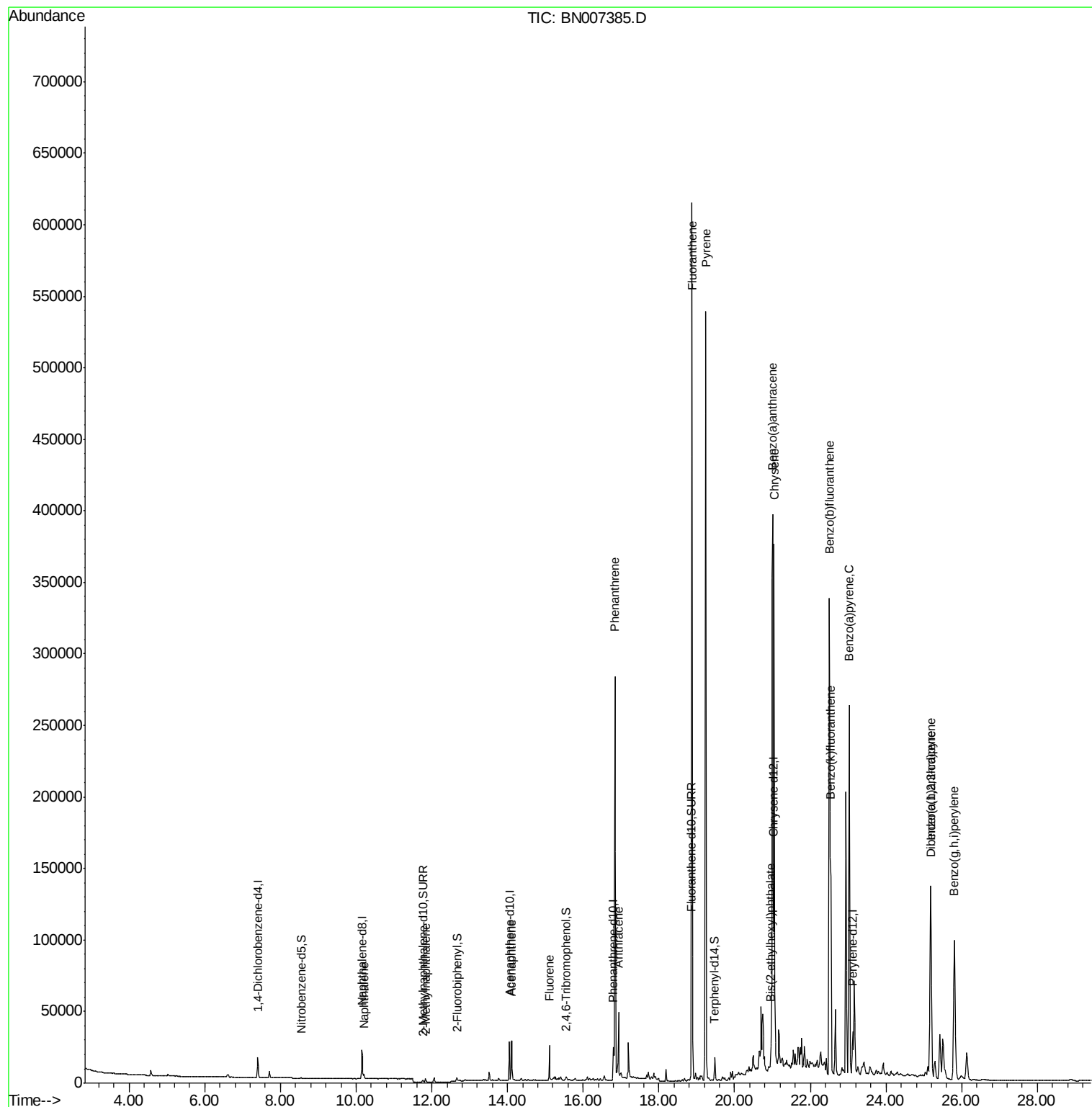
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
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#1

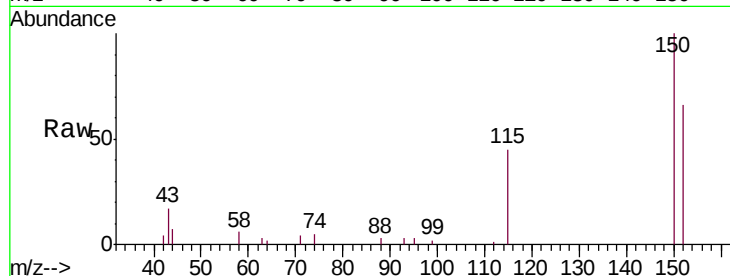
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	109.1	163.7
115	69.0	59.6	89.4

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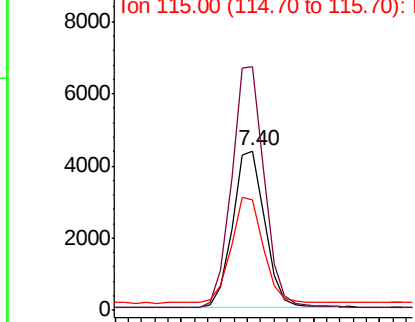


Abundance

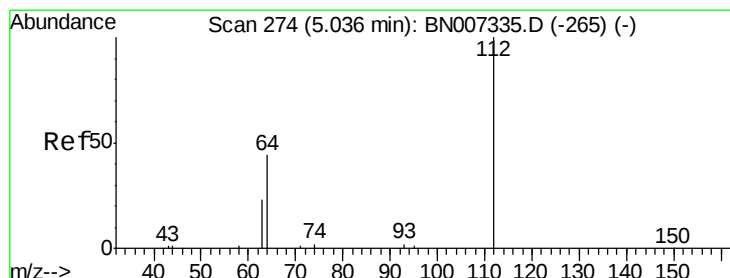
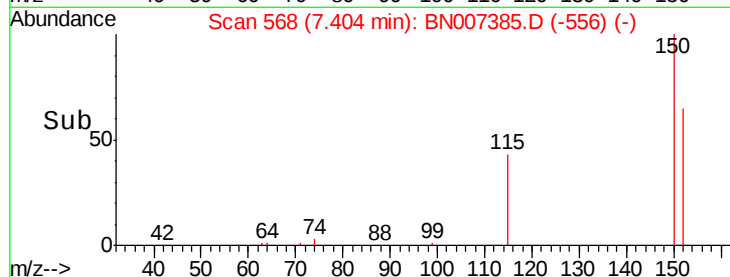
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



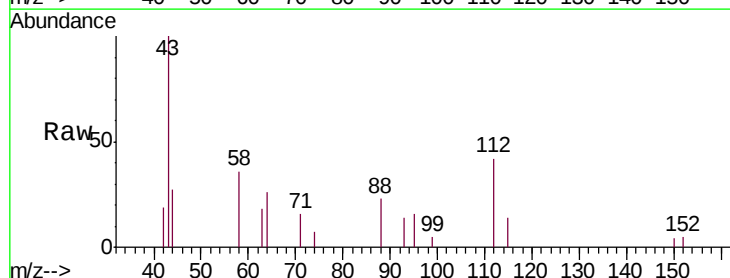
Time-->



#4

2-Fluorophenol
Concen: 0.014 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	42.3	63.5
63	27.8	23.6	35.4

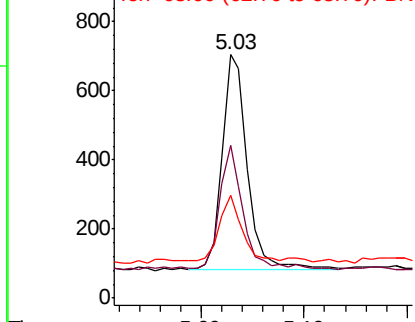


Abundance

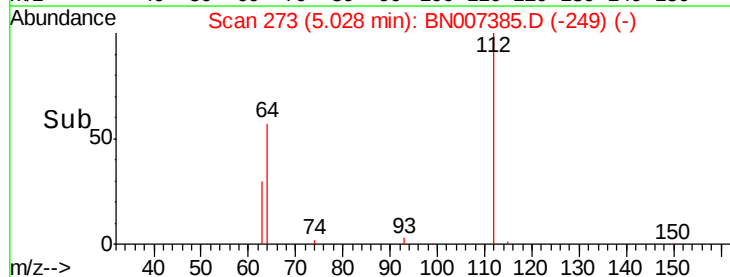
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



Time-->





#5

Phenol-d6

Concen: 0.014 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Instrument :

BNA_N

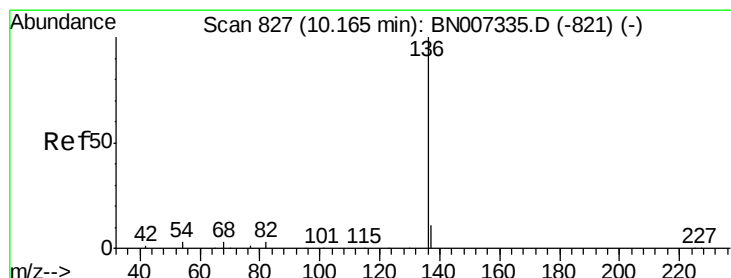
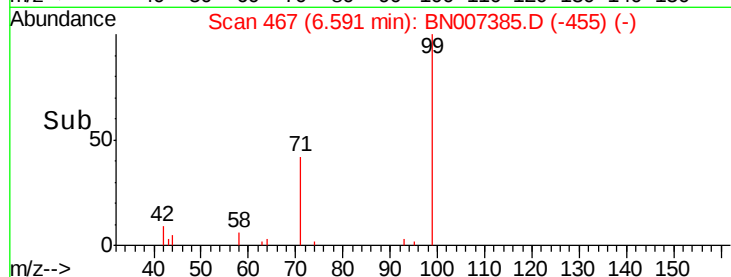
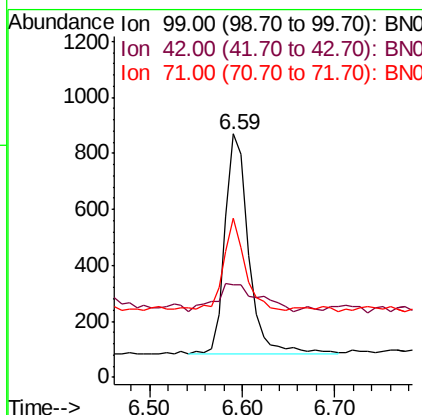
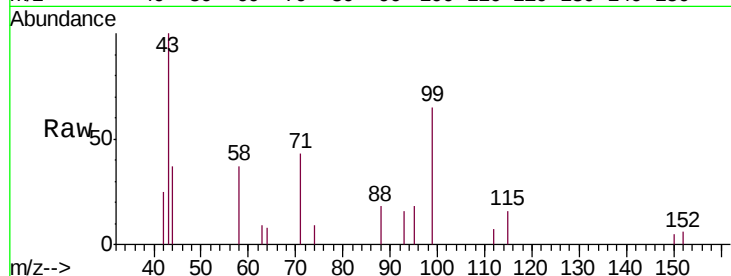
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion:	99	Resp:	1388
Ion Ratio	Lower	Upper	
99	100		
42	23.1	11.2	16.8#
71	38.3	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

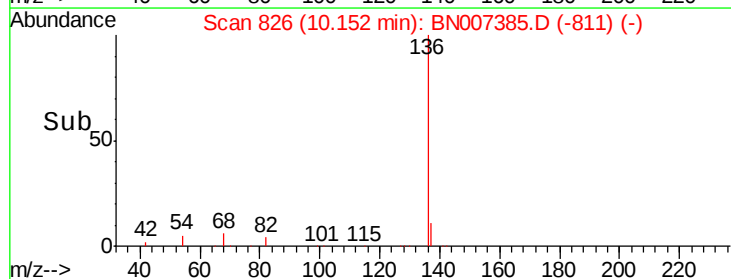
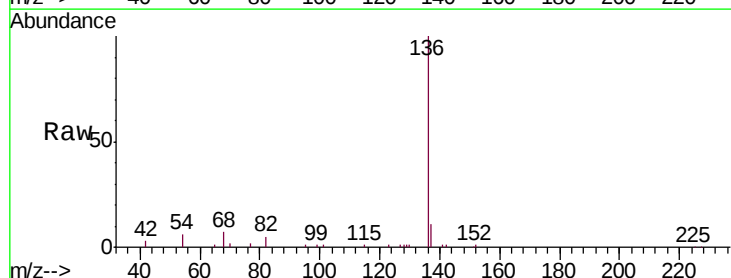
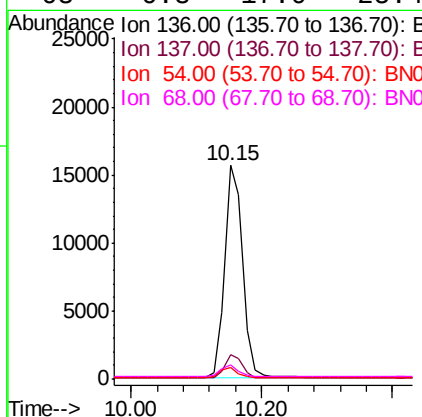
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Tgt Ion:	136	Resp:	29968
Ion Ratio	Lower	Upper	
136	100		
137	11.2	12.9	19.3#
54	5.5	8.6	12.8#
68	6.8	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.036 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Instrument :

BNA_N

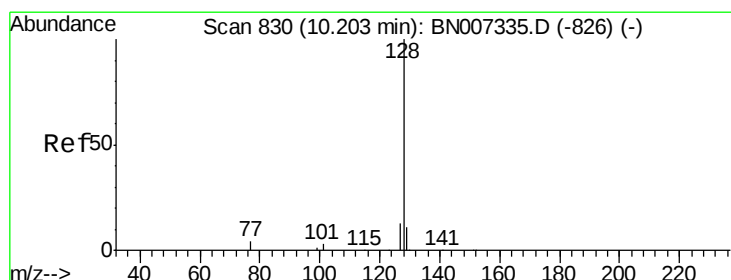
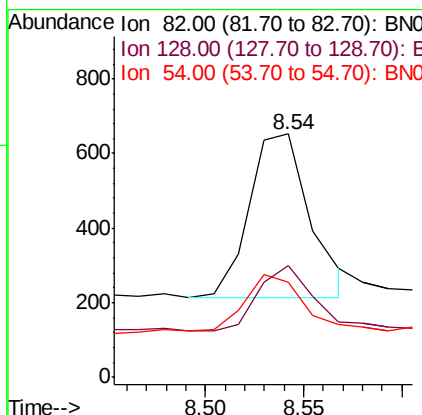
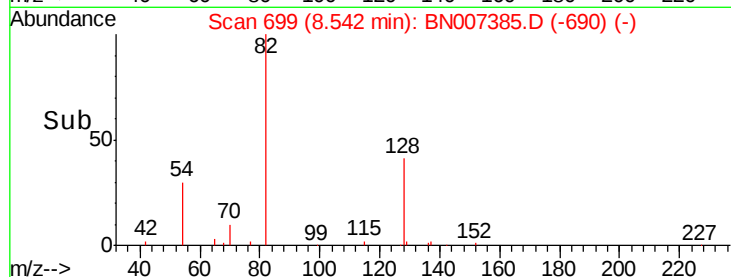
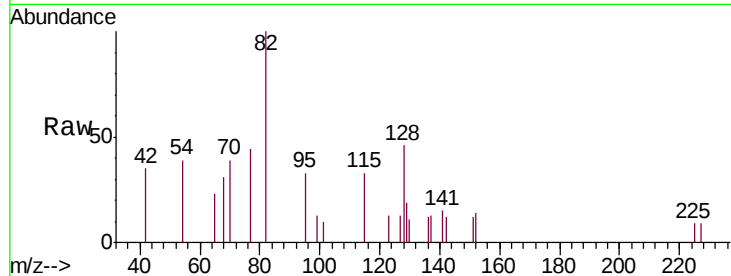
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion	82	Resp:	945
Ion	Ratio	Lower	Upper
82	100		
128	45.9	19.7	29.5#
54	39.1	25.8	38.6#

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#9

Naphthalene

Concen: 0.053 ng

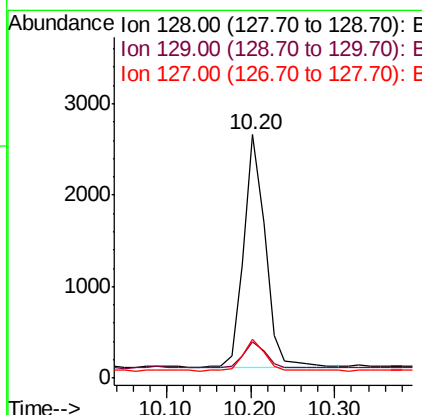
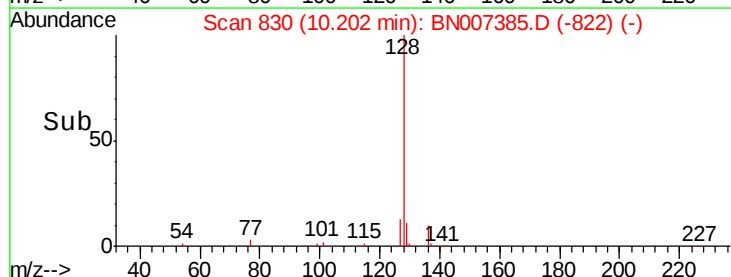
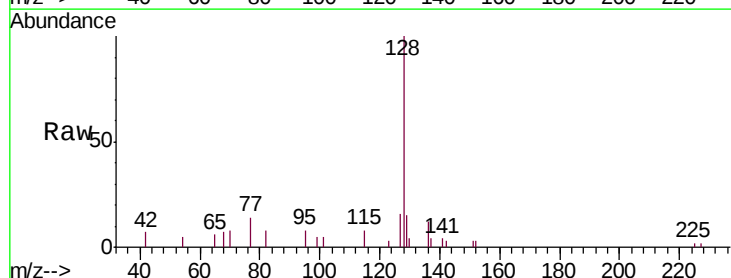
RT: 10.20 min Scan# 830

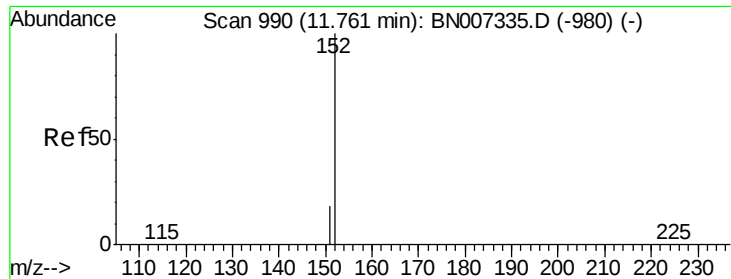
Delta R.T. -0.00 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Tgt Ion	128	Resp:	4509
Ion	Ratio	Lower	Upper
128	100		
129	15.1	11.1	16.7
127	15.8	15.5	23.3





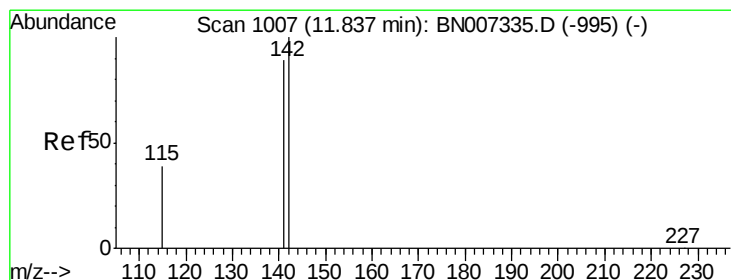
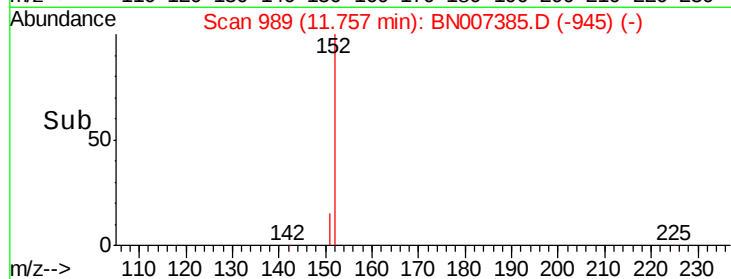
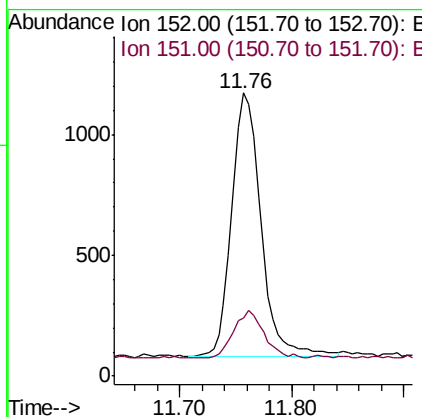
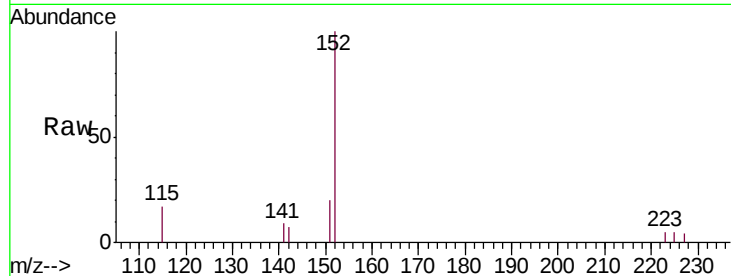
#11
2-Methylnaphthalene-d10
Concen: 0.040 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.2	24.2

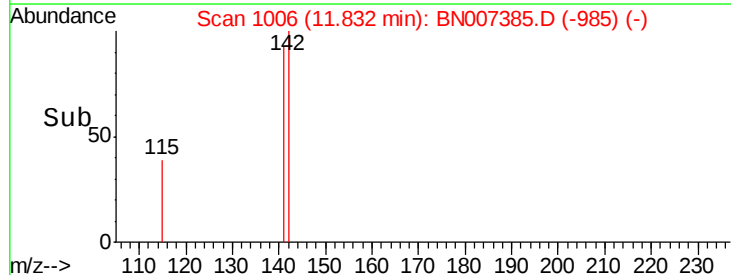
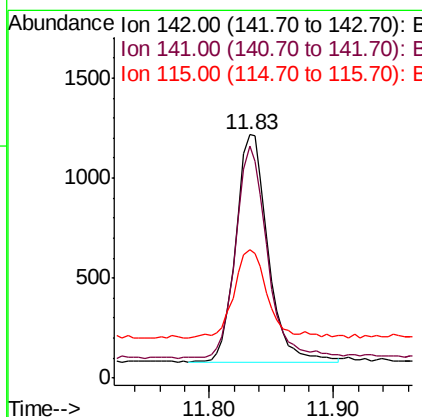
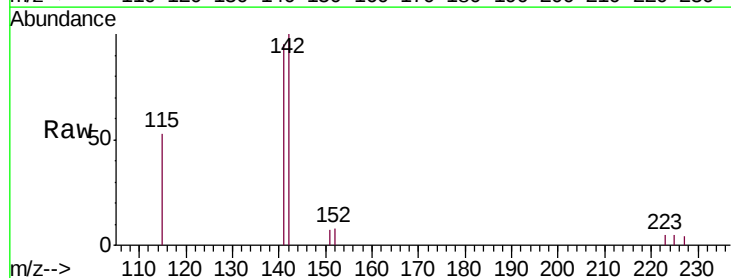
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#12
2-Methylnaphthalene
Concen: 0.035 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.2	72.8	109.2
115	52.8	35.2	52.8#





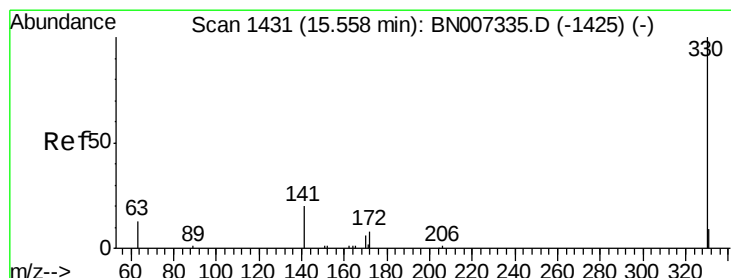
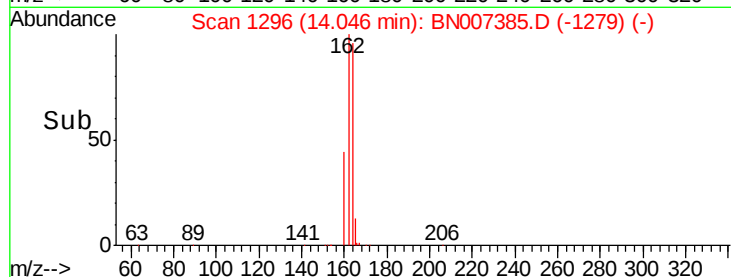
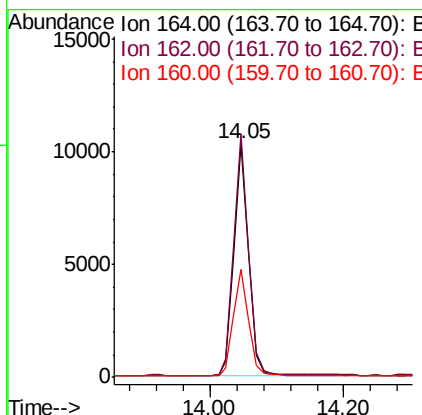
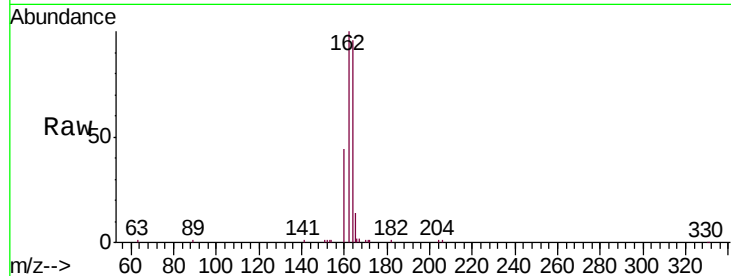
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.5	125.3
160	46.3	38.2	57.4

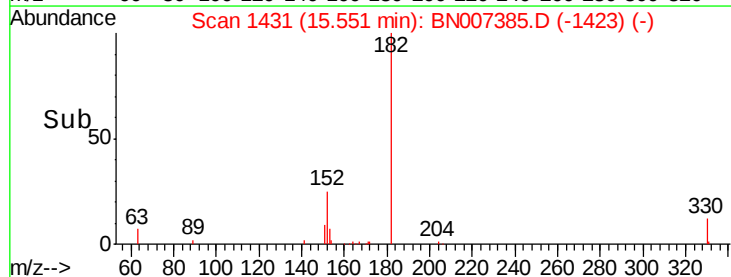
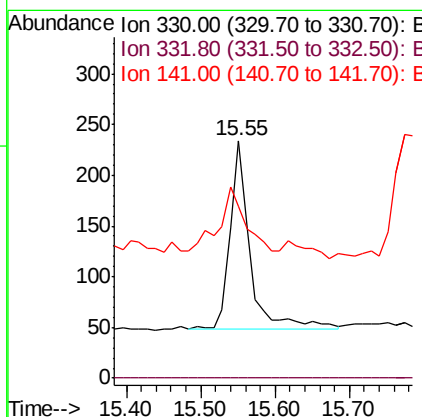
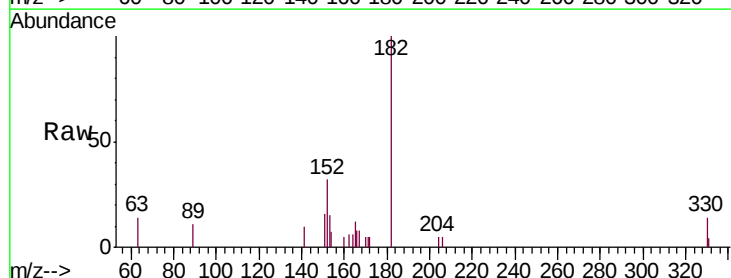
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#14
2,4,6-Tribromophenol
Concen: 0.043 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	49.3	26.9	40.3#





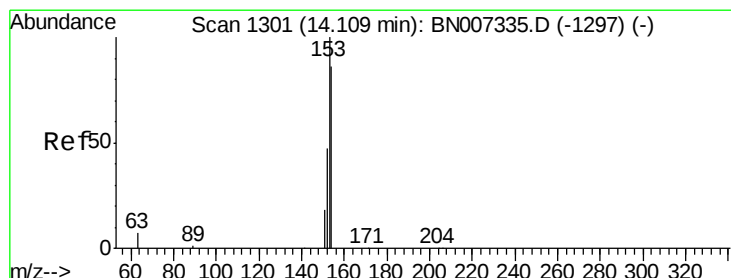
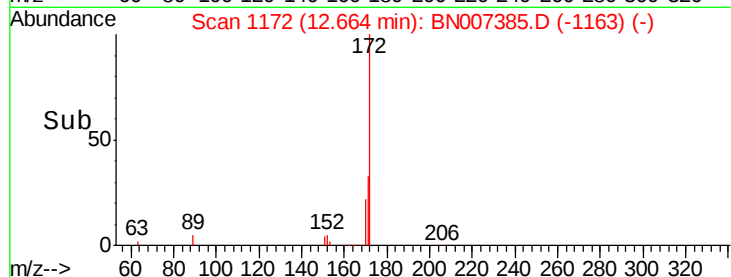
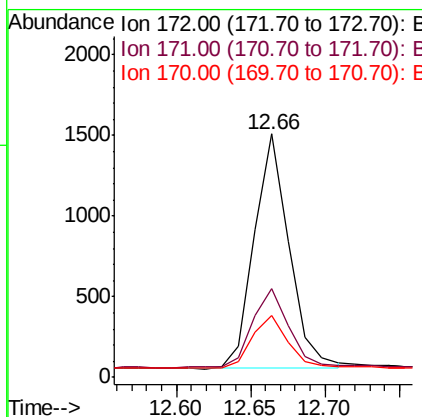
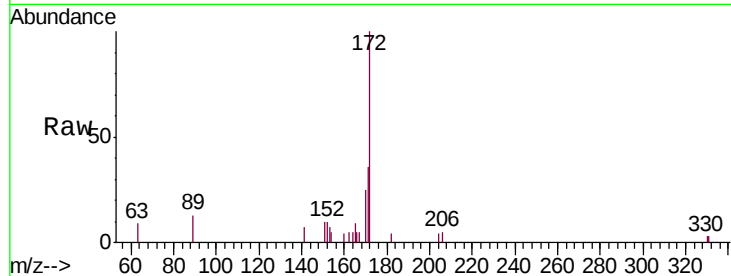
#15
2-Fluorobiphenyl
Concen: 0.038 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.3	45.5
170	25.5	20.7	31.1

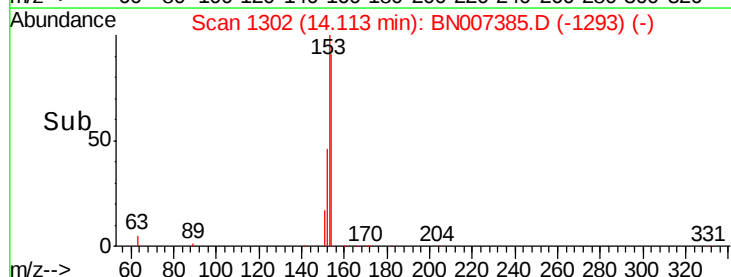
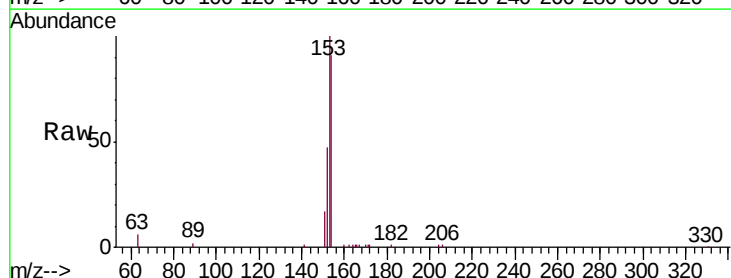
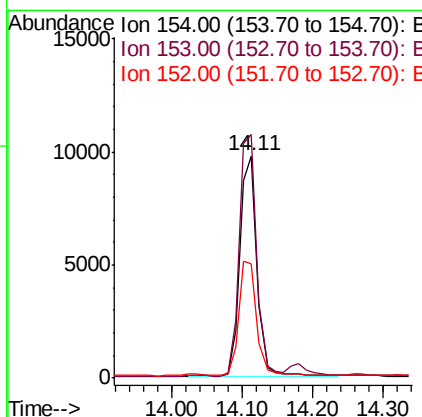
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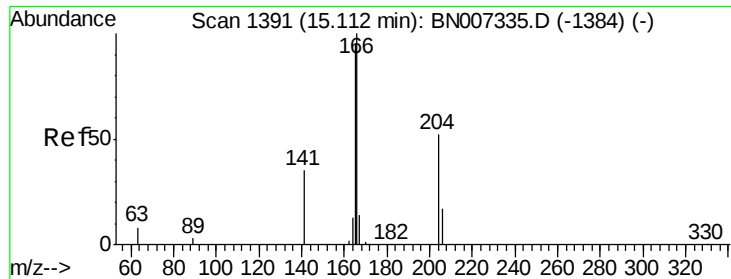
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#17
Acenaphthene
Concen: 0.312 ng
RT: 14.11 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.6	92.8	139.2
152	53.9	43.8	65.8





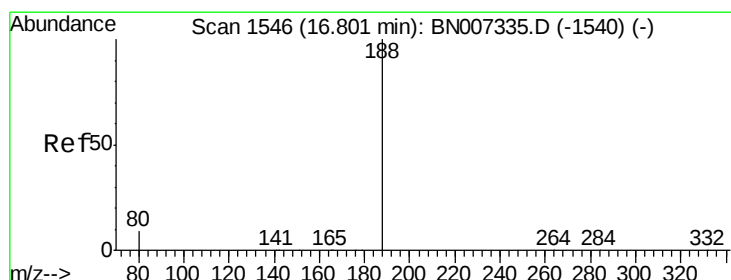
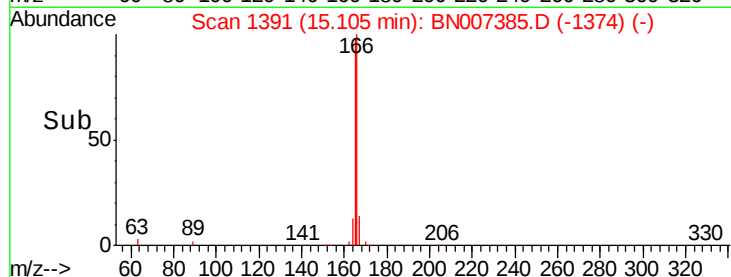
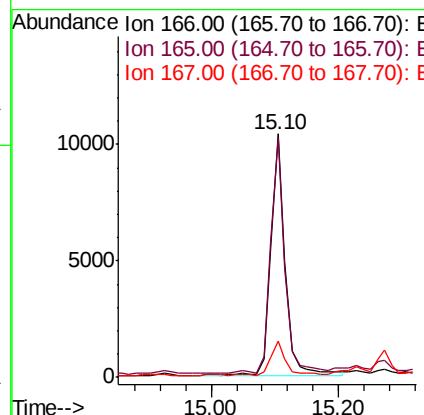
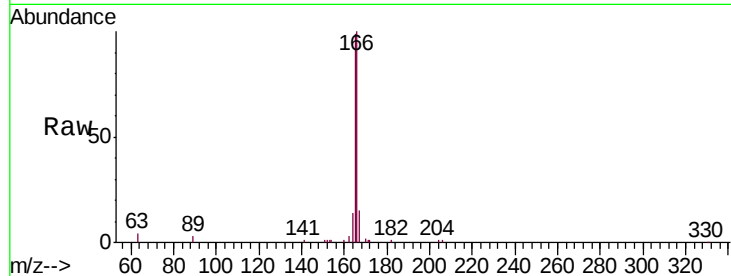
#18
 Fluorene
 Concen: 0.241 ng
 RT: 15.10 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BN007385.D
 Acq: 25 Aug 2019 05:30

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.0	118.4
167	14.1	10.6	15.8

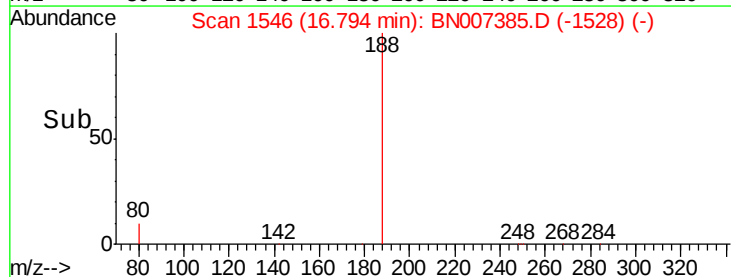
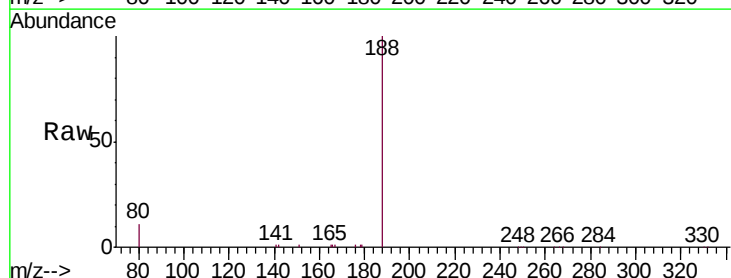
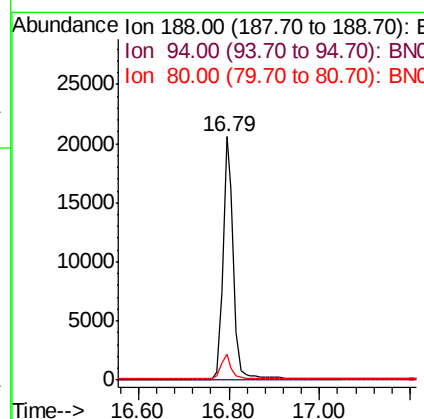
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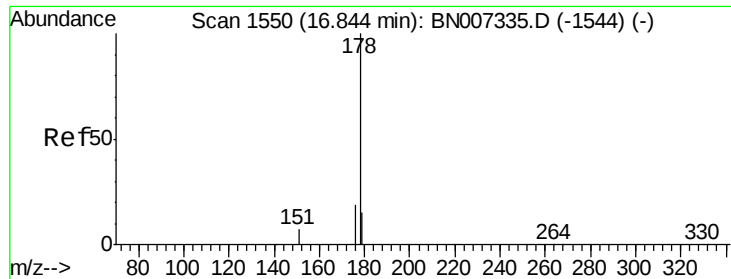
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.79 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BN007385.D
 Acq: 25 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	11.8	17.8





#23

Phenanthrene

Concen: 2.786 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Instrument :

BNA_N

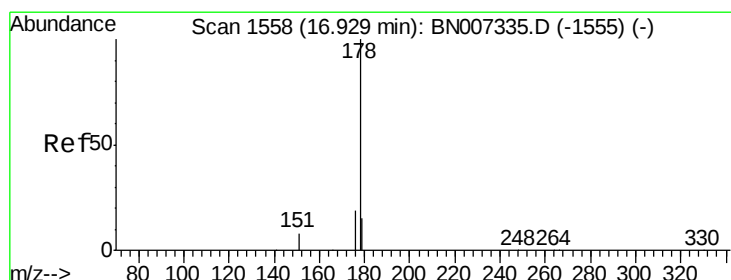
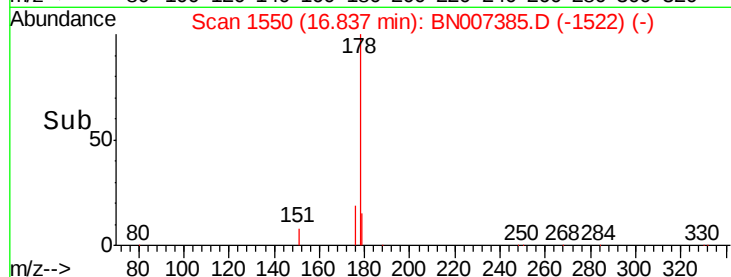
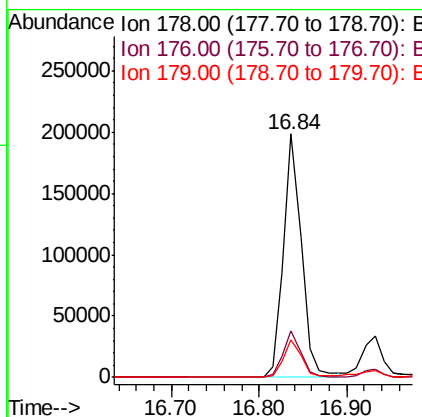
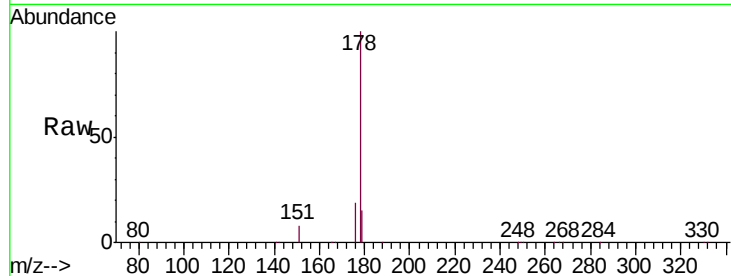
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion:	178	Resp:	280744
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.3	22.9
179	15.3	12.6	19.0

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#24

Anthracene

Concen: 0.550 ng

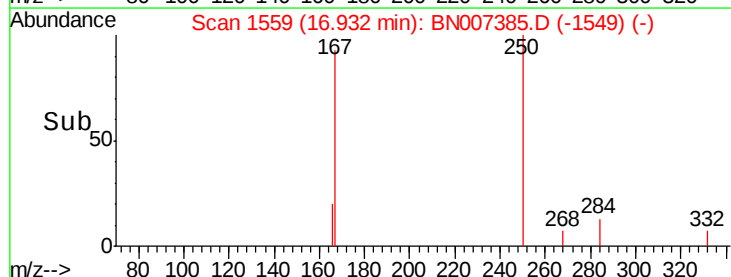
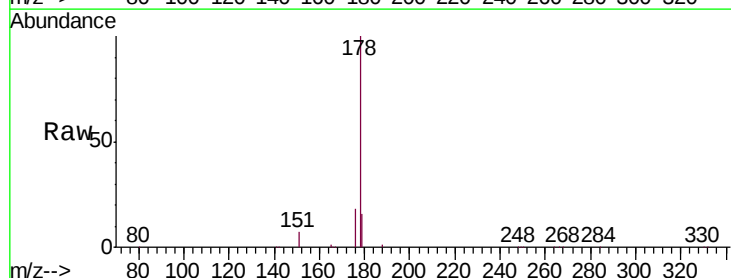
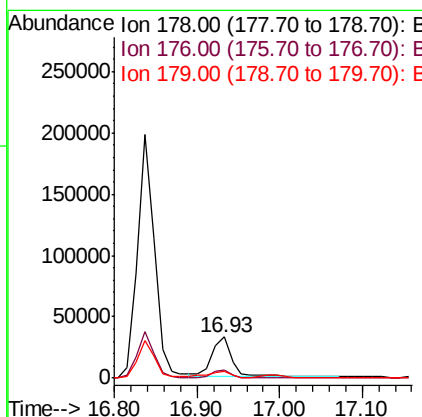
RT: 16.93 min Scan# 1559

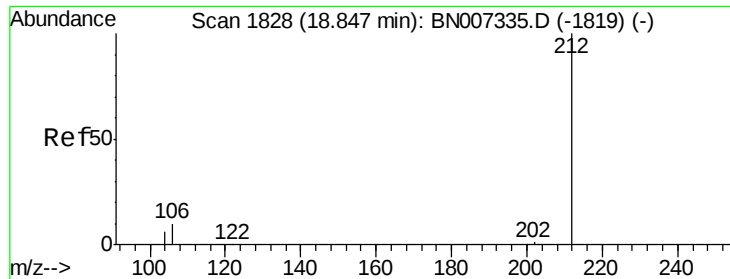
Delta R.T. 0.00 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Tgt Ion:	178	Resp:	55725
Ion Ratio	Lower	Upper	
178	100		
176	17.3	14.9	22.3
179	18.1	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.036 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Instrument :

BNA_N

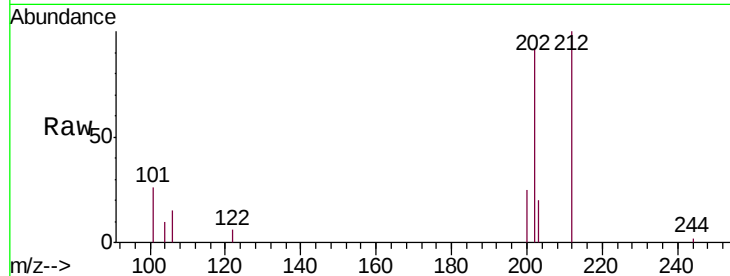
ClientSampleId :

S700-N-1.0-1.5-082019DL

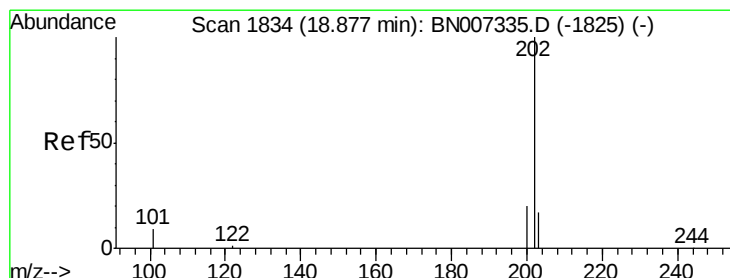
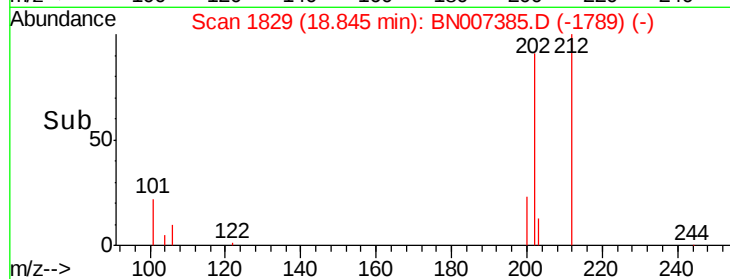
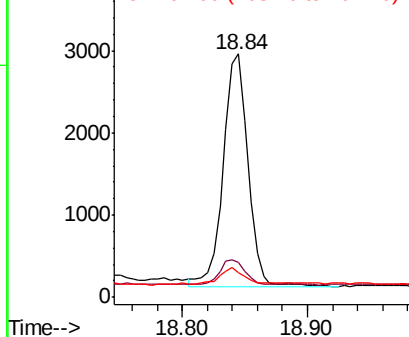
Tot Ion:	212	Resp:	3919
Ion Ratio	Lower	Upper	
212	100		
106	11.6	9.0	13.4
104	6.9	5.4	8.2

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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: 4.353 ng

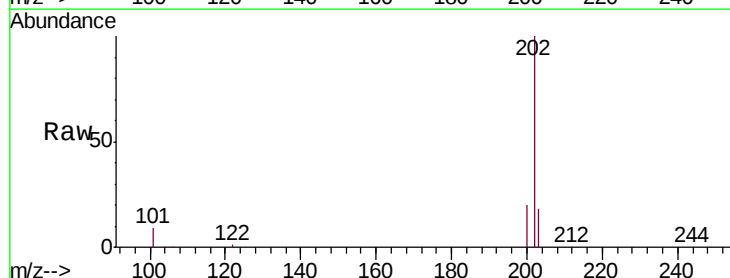
RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

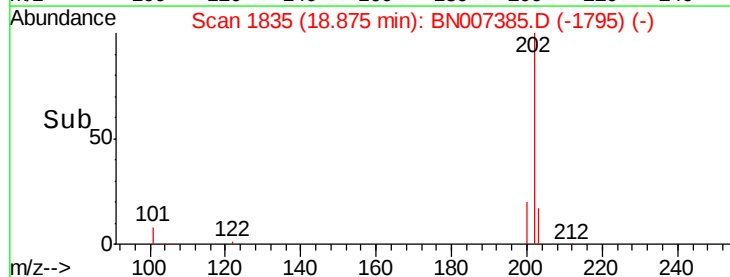
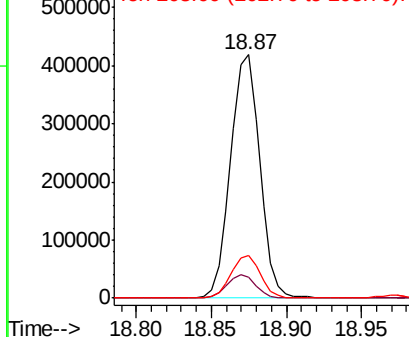
Lab File: BN007385.D

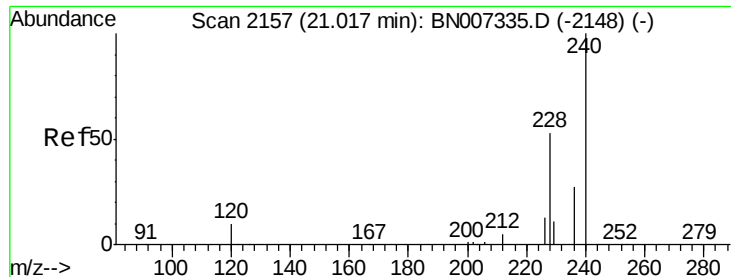
Acq: 25 Aug 2019 05:30

Tgt Ion:	202	Resp:	563236
Ion Ratio	Lower	Upper	
202	100		
101	9.5	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





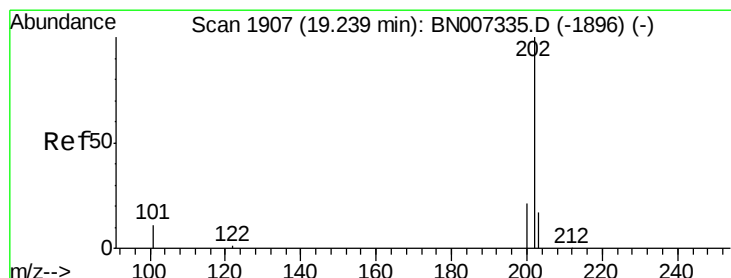
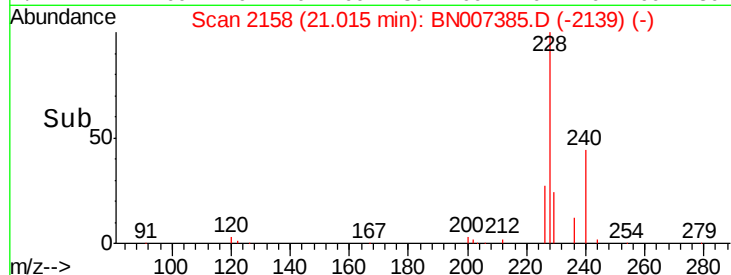
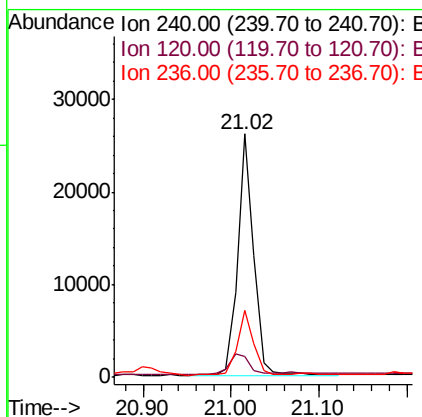
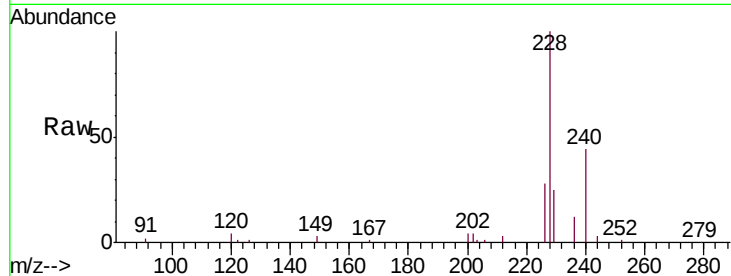
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	9.6	14.4#
236	27.4	22.2	33.2

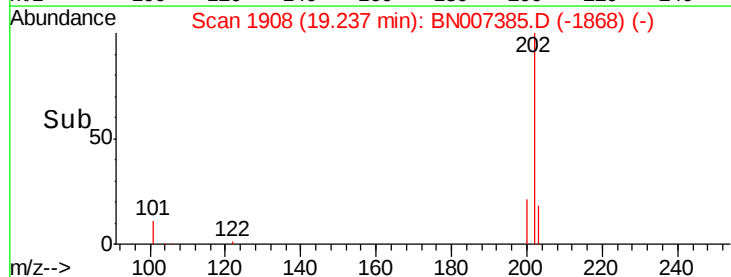
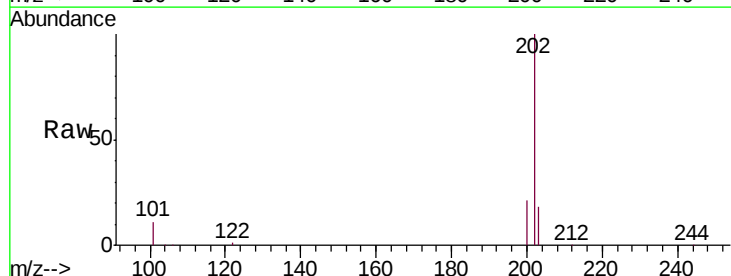
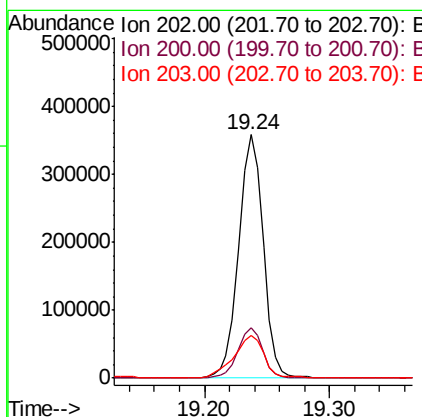
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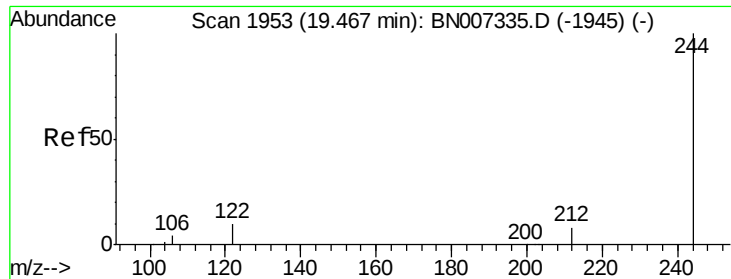
mohammad
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#28
Pyrene
Concen: 3.676 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	21.6	14.2	21.4#





#29

Terphenyl-d14

Concen: 0.033 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Instrument :

BNA_N

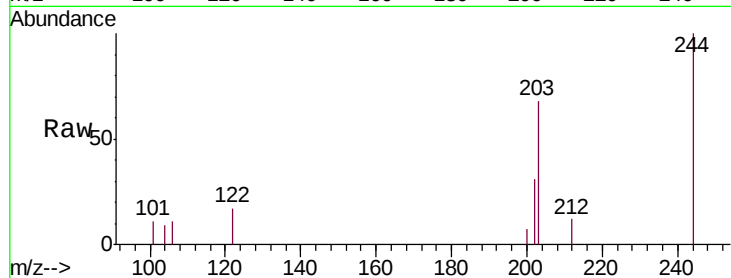
ClientSampleId :

S700-N-1.0-1.5-082019DL

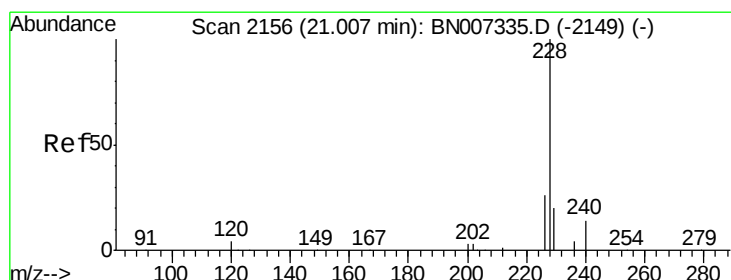
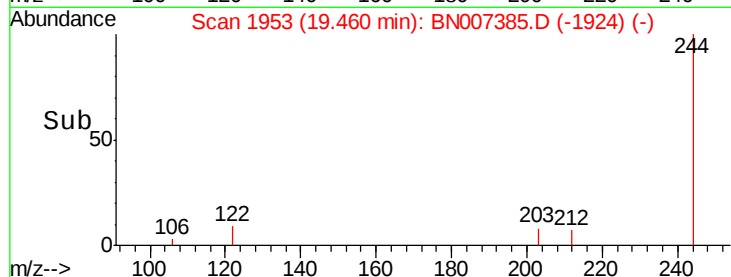
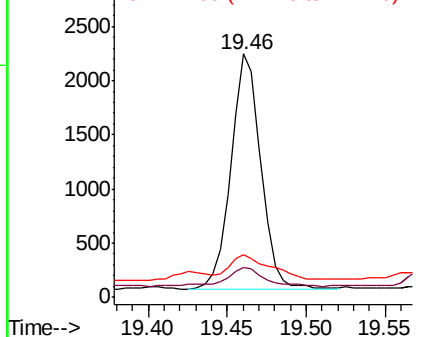
Tot Ion:	244	Resp:	2844
Ion Ratio	Lower	Upper	
244	100		
212	12.3	7.0	10.6#
122	17.5	9.6	14.4#

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



#30

Benzo(a)anthracene

Concen: 3.010 ng

RT: 21.00 min Scan# 2157

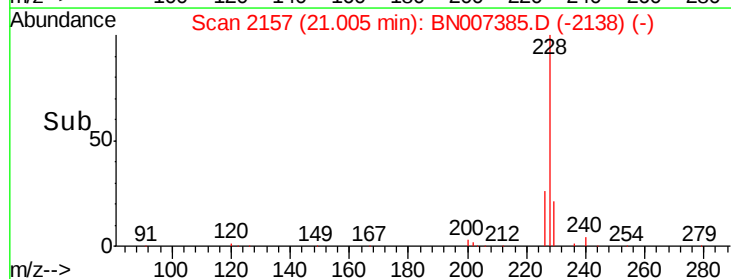
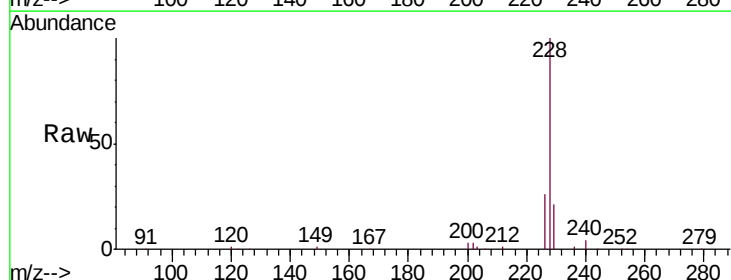
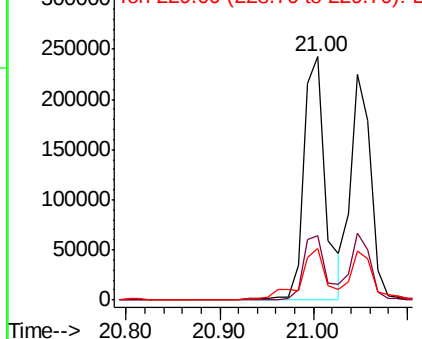
Delta R.T. -0.00 min

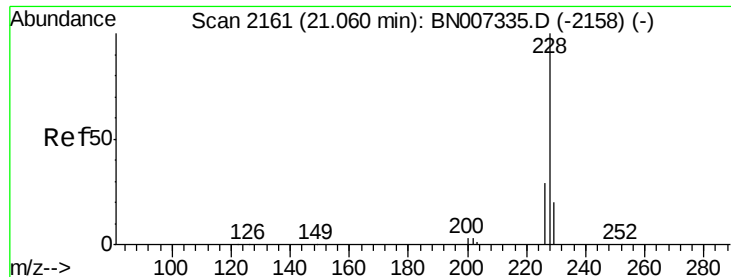
Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Tgt Ion:	228	Resp:	387657
Ion Ratio	Lower	Upper	
228	100		
226	26.2	21.3	31.9
229	21.0	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





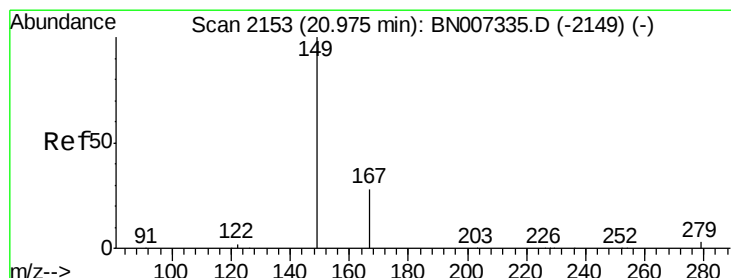
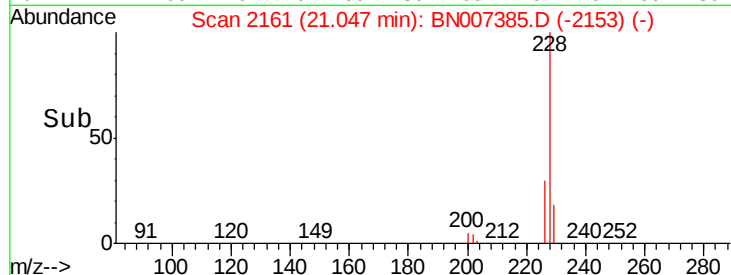
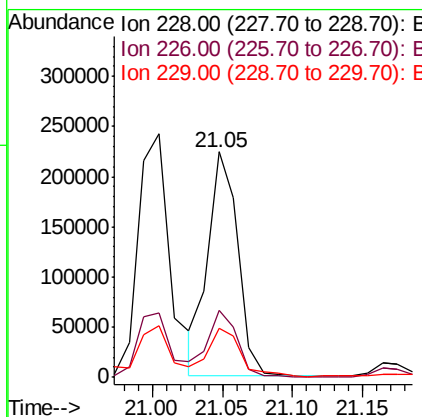
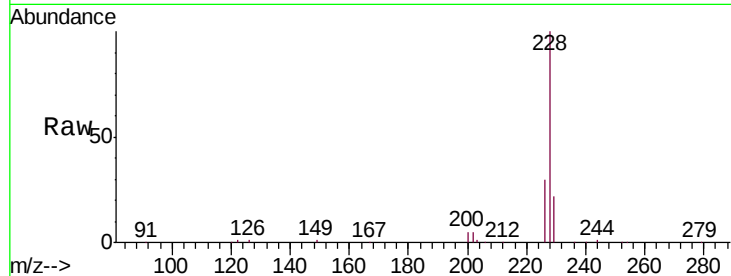
#31
Chrysene
Concen: 2.664 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.5	35.3
229	22.0	16.6	24.8

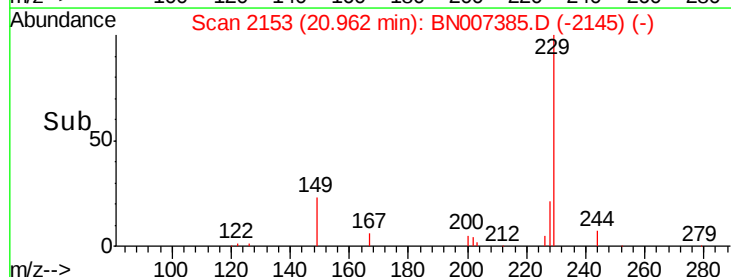
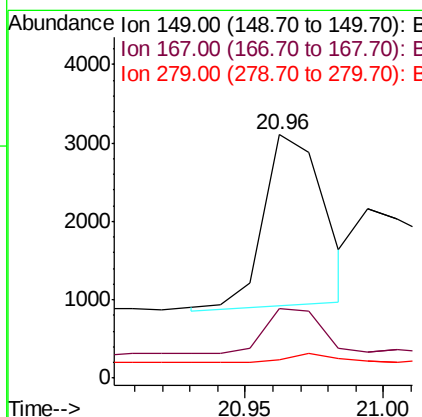
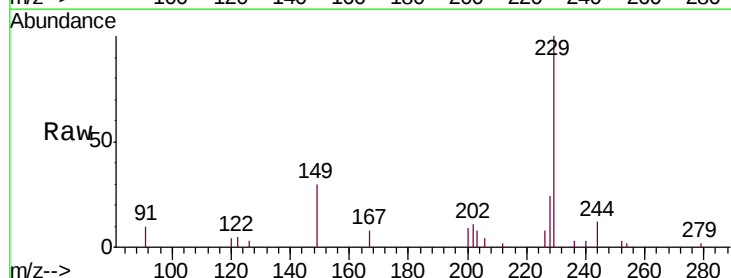
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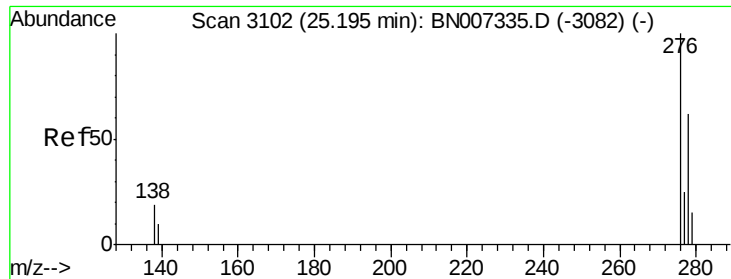
mohammad
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.021 ng m
RT: 20.96 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.4	22.8	34.2
279	5.4	3.5	5.3#





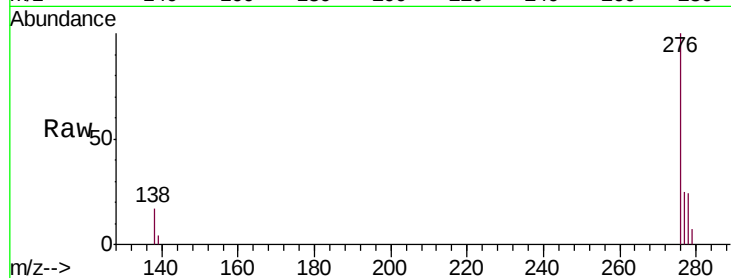
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.361 ng
RT: 25.18 min Scan# 3099
Delta R.T. -0.02 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.8	15.1	22.7
277	25.6	19.7	29.5

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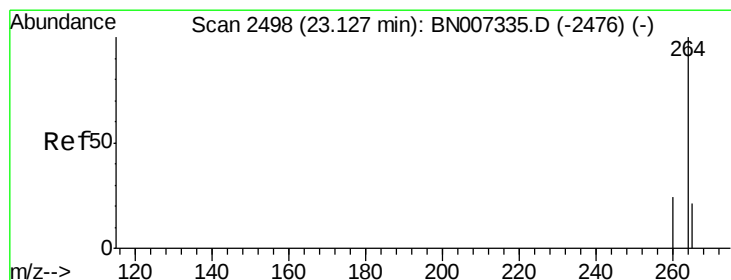
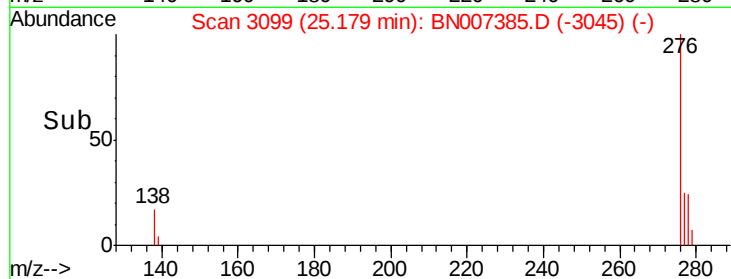
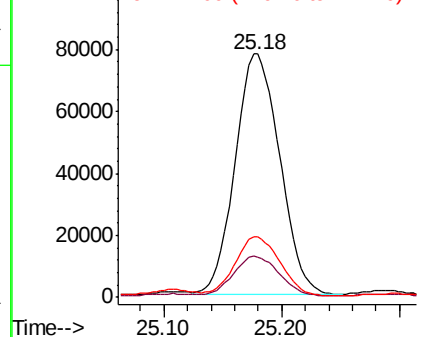


Abundance

Ion 276.00 (275.70 to 276.70): E

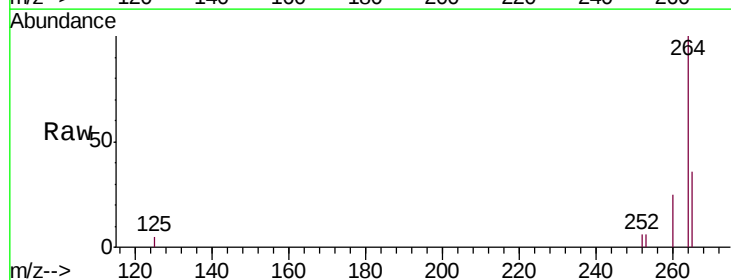
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BN007385.D
Acq: 25 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	36.0	29.9	44.9

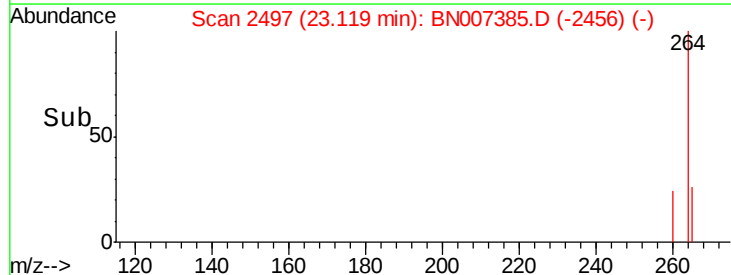
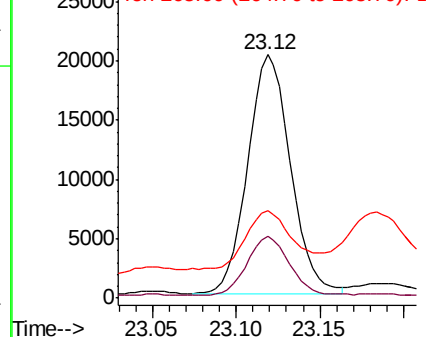


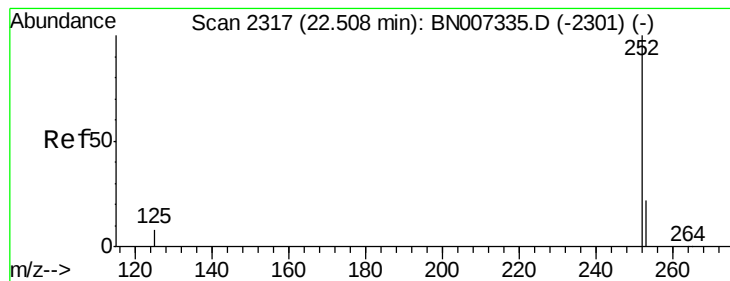
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 3.965 ng m

RT: 22.50 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Instrument :

BNA_N

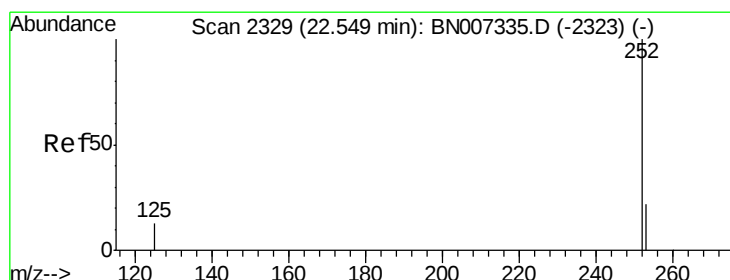
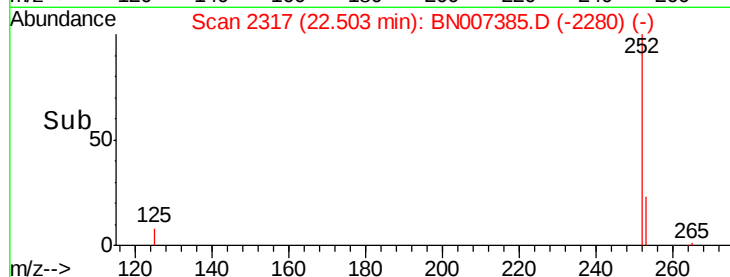
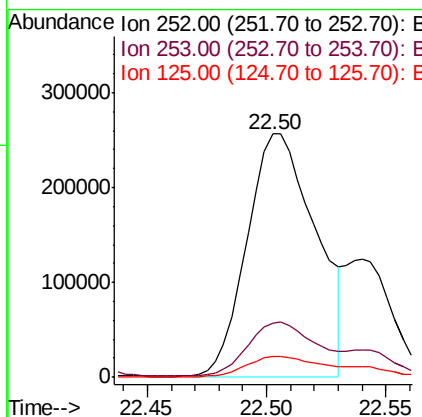
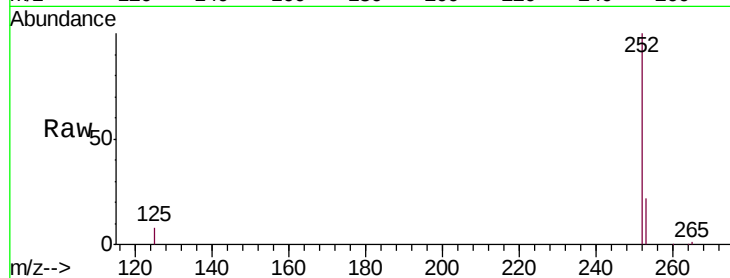
ClientSampleId :

S700-N-1.0-1.5-082019DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.2	28.8
125	8.4	10.6	16.0

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#36

Benzo(k)fluoranthene

Concen: 1.328 ng m

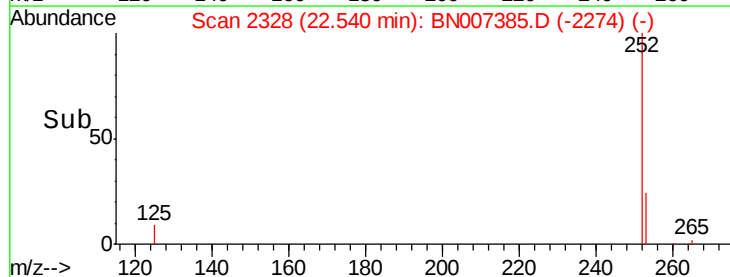
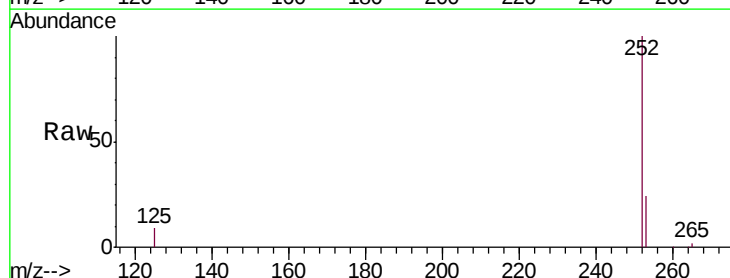
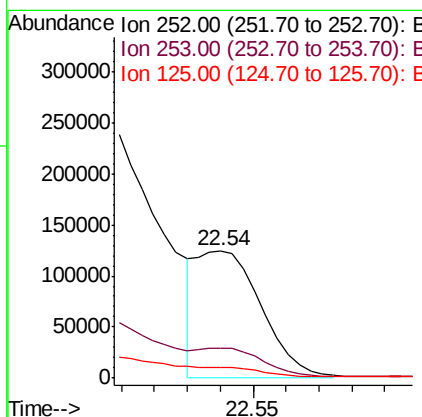
RT: 22.54 min Scan# 2328

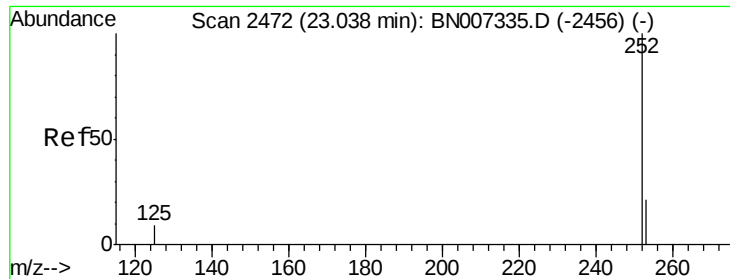
Delta R.T. -0.01 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.4	29.2
125	8.8	13.1	19.7





#37

Benzo(a)pyrene

Concen: 2.749 ng/mL

RT: 23.03 min Scan# 2470

Delta R.T. -0.01 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

Instrument:

BNA_N

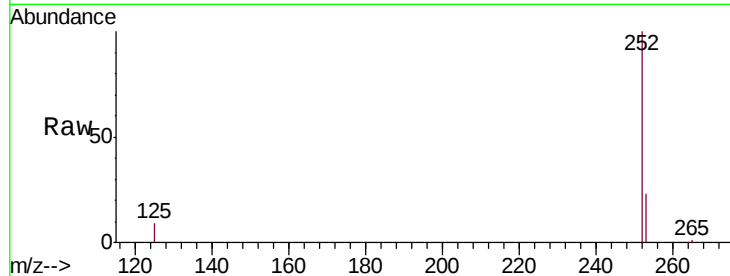
ClientSampleID:

S700-N-1.0-1.5-082019DL

Tot Ion:	252	Resp:	339404
Ion Ratio	Lower	Upper	
252	100		
253	22.6	19.5	29.3
125	9.0	12.1	18.1

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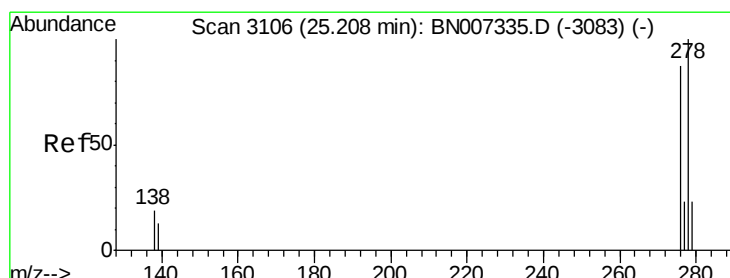
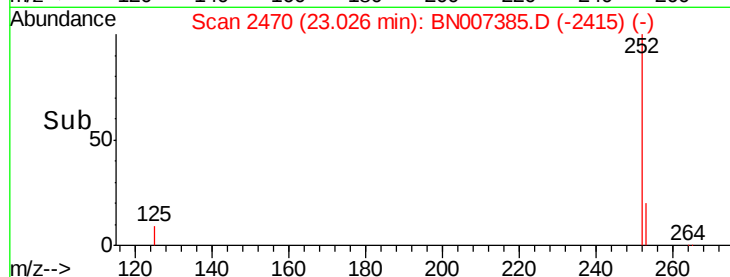
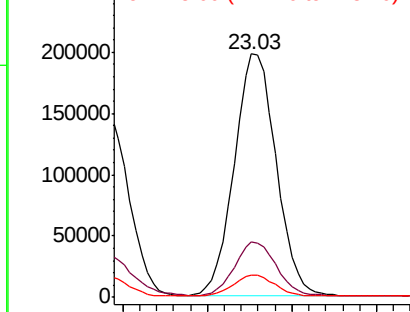


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.497 ng/mL

RT: 25.19 min Scan# 3103

Delta R.T. -0.02 min

Lab File: BN007385.D

Acq: 25 Aug 2019 05:30

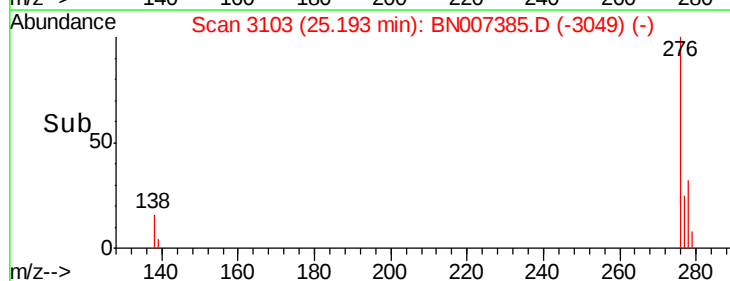
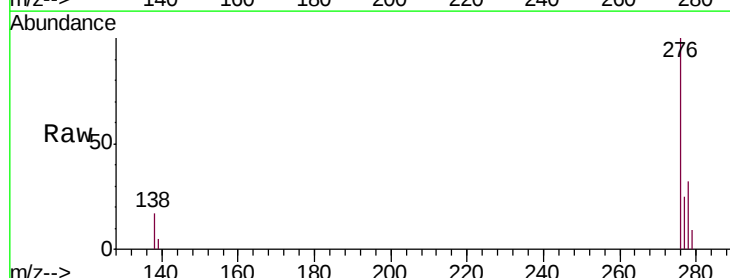
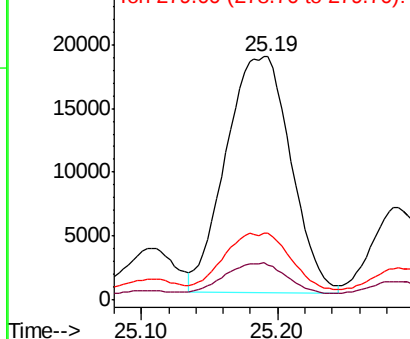
Tgt Ion:	278	Resp:	61210
Ion Ratio	Lower	Upper	
278	100		
139	14.4	13.7	20.5
279	27.4	20.2	30.4

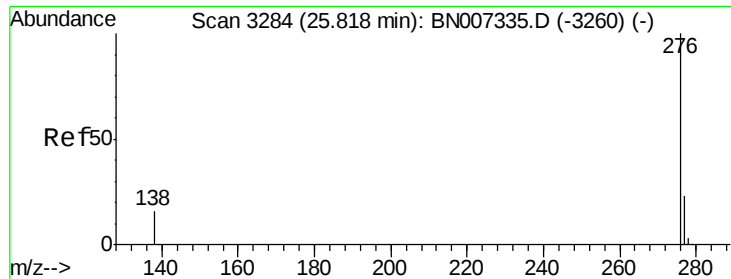
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 1.641 ng

RT: 25.81 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BN007385.D

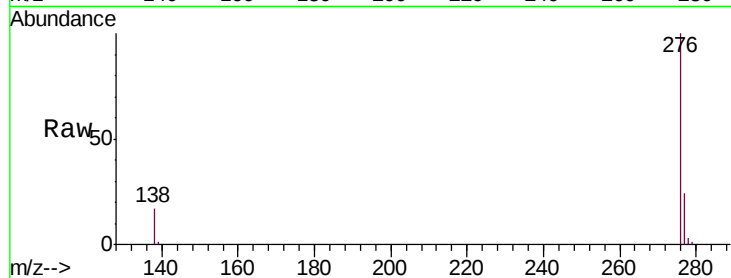
Acq: 25 Aug 2019 05:30

Instrument :

BNA_N

ClientSampleId :

S700-N-1.0-1.5-082019DL



Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.1	19.6	29.4		
138	17.0	16.3	24.5		

Manual Integrations
APPROVED

mohammad
8/31/2019 2:40:35 PM

