

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
 Data File : BN007304.D
 Acq On : 21 Aug 2019 23:34
 Operator : HP/JU
 Sample : K4443-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S701-N-0.0-0.5-082019

Manual Integrations
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mohammad
 8/26/2019 5:48:08 PM

Quant Time: Aug 22 06:34:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 18:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	4799	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	18619	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	10456	0.40	ng	0.00
19) Phenanthrene-d10	16.81	188	25253	0.40	ng	0.00
27) Chrysene-d12	21.03	240	26472	0.40	ng	0.00
34) Perylene-d12	23.14	264	32433	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	3040	0.21	ng	0.00
5) Phenol-d6	6.61	99	3935	0.23	ng	0.00
8) Nitrobenzene-d5	8.54	82	3054	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	6365	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	1652	0.28	ng	0.00
15) 2-Fluorobiphenyl	12.67	172	8011	0.18	ng	0.00
25) Fluoranthene-d10	18.86	212	13443	0.17	ng	0.00
29) Terphenyl-d14	19.47	244	9376	0.14	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.22	128	4795	0.091	ng	# 93
12) 2-Methylnaphthalene	11.85	142	2531	0.069	ng	# 94
16) Acenaphthylene	13.77	152	9871	0.178	ng	95
17) Acenaphthene	14.12	154	16259	0.460	ng	100
18) Fluorene	15.11	166	23411	0.507	ng	98
22) Pentachlorophenol	16.47	266	185	0.028	ng	# 83
23) Phenanthrene	16.85	178	517987	6.544	ng	100
24) Anthracene	16.94	178	121831	1.709	ng	# 95
26) Fluoranthene	18.89	202	1368644	14.276	ng	99
28) Pylene	19.25	202	1145884	11.576	ng	# 93
30) Benzo(a)anthracene	21.02	228	845045	8.585	ng	94
31) Chrysene	21.07	228	883987	8.800	ng	# 95
32) Bis(2-ethylhexyl)phthalate	20.99	149	28561	0.726	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.22	276	566861	4.690	ng	96
35) Benzo(b)fluoranthene	22.53	252	1081921	8.948	ng	99
36) Benzo(k)fluoranthene	22.56	252	381271m	3.219	ng	
37) Benzo(a)pyrene	23.06	252	785974	7.213	ng	98
38) Dibenzo(a,h)anthracene	25.23	278	166185	1.452	ng	# 86
39) Benzo(g,h,i)perylene	25.85	276	589134	5.091	ng	99

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

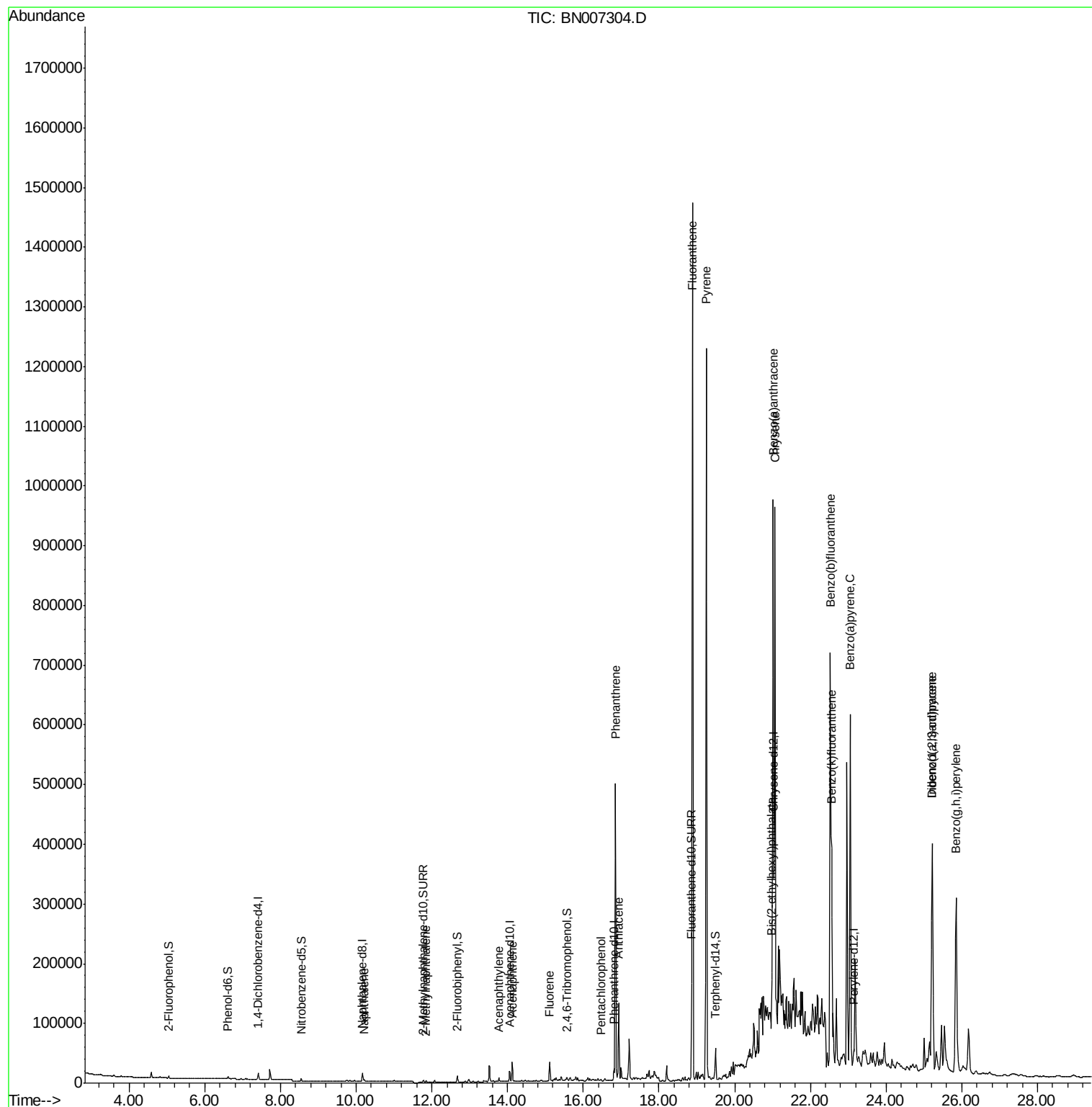
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007304.D
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ALS Vial : 11 Sample Multiplier: 1

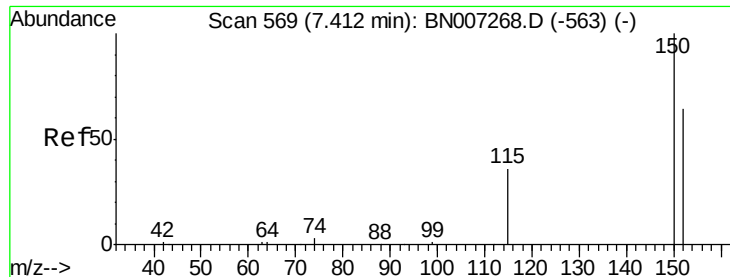
Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019

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#1

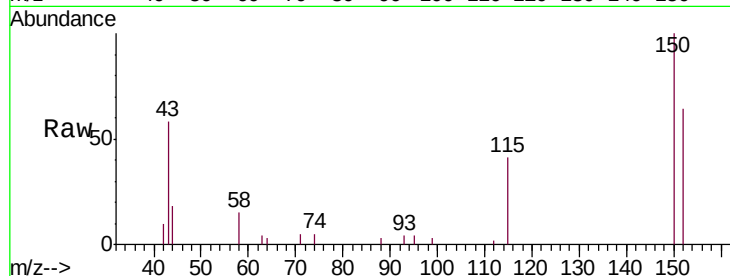
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.8	185.8
115	63.0	47.3	70.9

Manual Integrations
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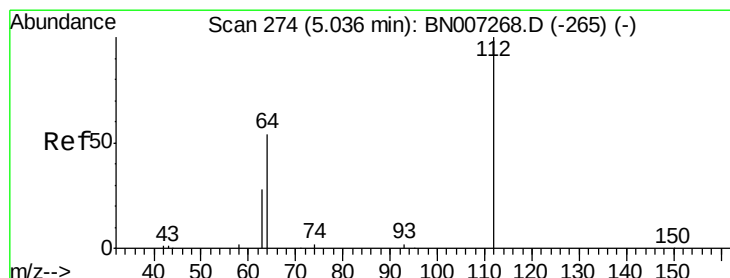
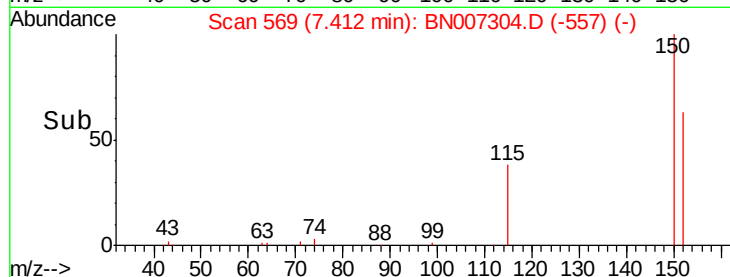
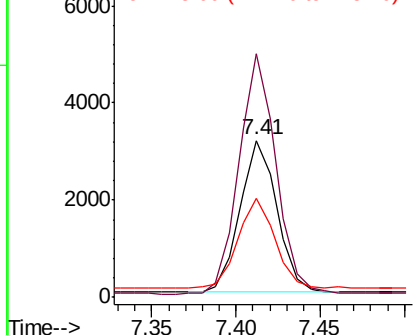


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

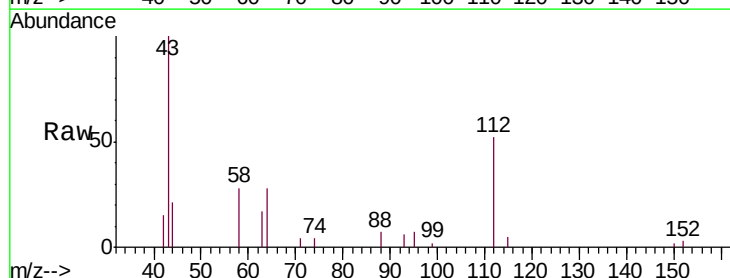
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.208 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	41.8	62.8
63	27.4	22.6	34.0

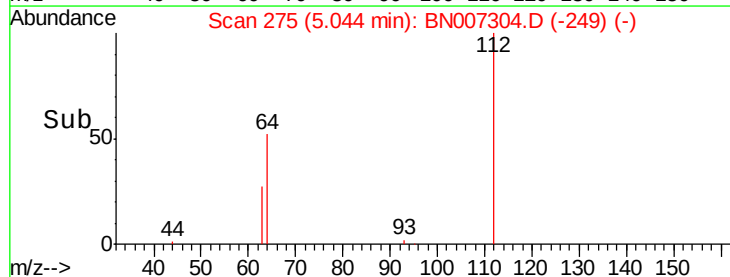
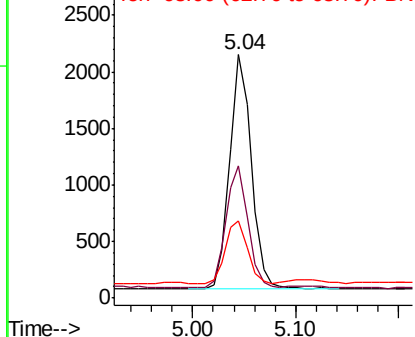


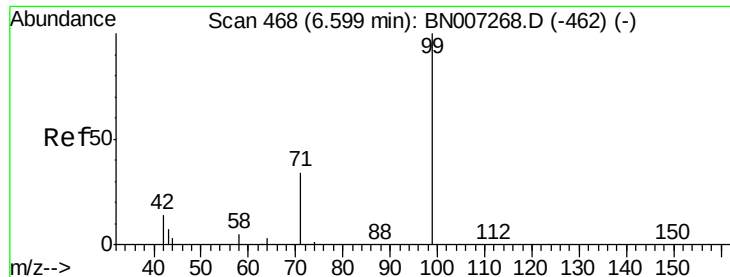
Abundance

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: 0.228 ng

RT: 6.61 min Scan# 469

Delta R.T. 0.01 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Instrument :

BNA_N

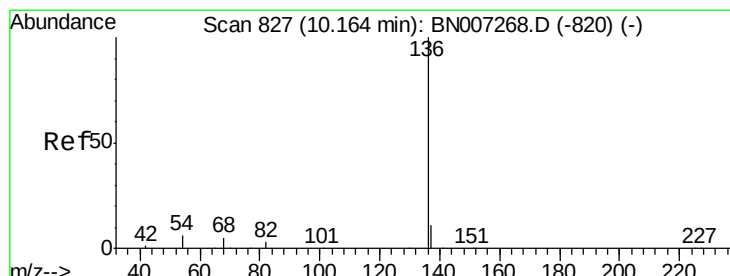
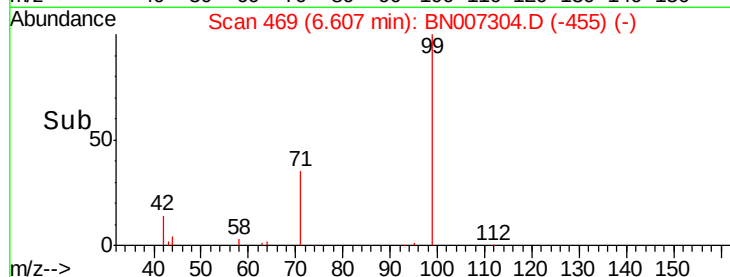
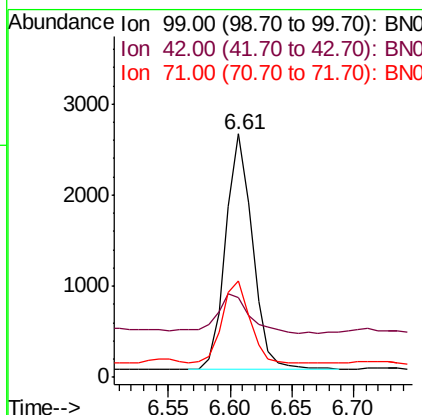
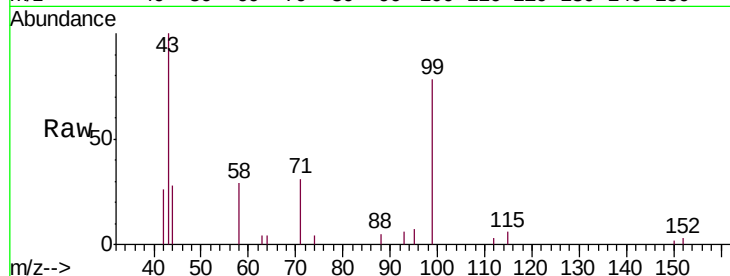
ClientSampleId :

S701-N-0.0-0.5-082019

Tot Ion:	99	Resp:	3935
Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.3	21.5
71	36.7	27.3	40.9

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#7

Naphthalene-d8

Concen: 0.400 ng

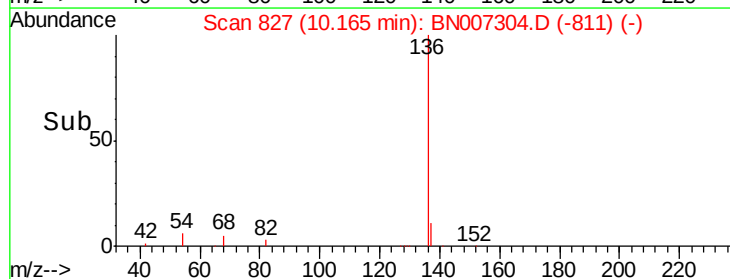
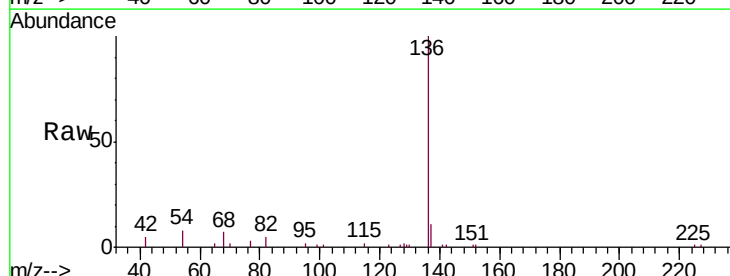
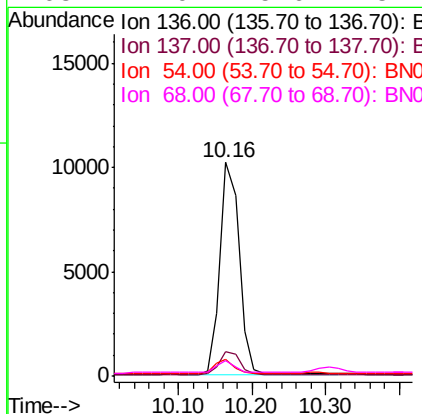
RT: 10.16 min Scan# 827

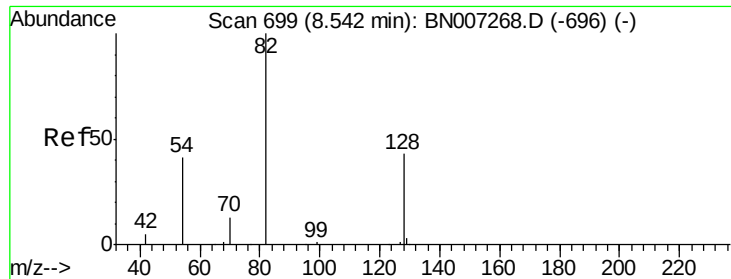
Delta R.T. 0.00 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Tgt Ion:	136	Resp:	18619
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.6	5.9	8.9
68	7.0	5.6	8.4





#8

Nitrobenzene-d5

Concen: 0.214 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.00 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Instrument :

BNA_N

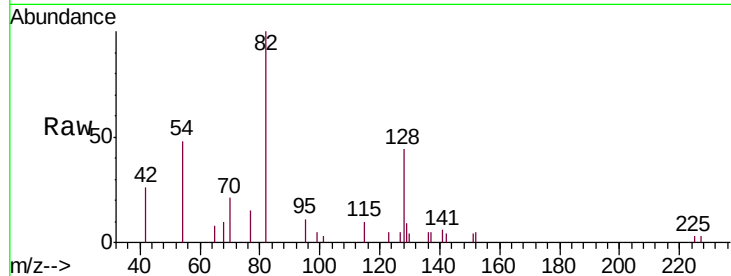
ClientSampleId :

S701-N-0.0-0.5-082019

Tot Ion:	82	Resp:	3054
Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.8	53.6
54	48.3	34.7	52.1

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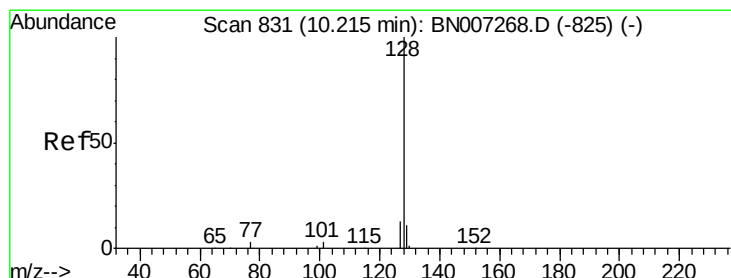
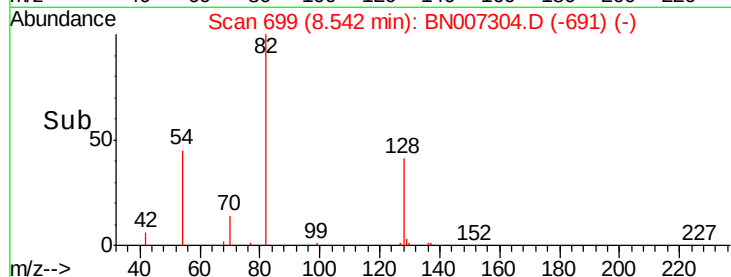
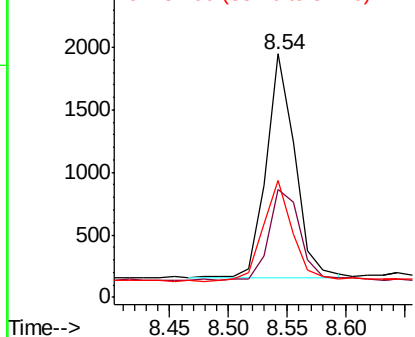


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#9

Naphthalene

Concen: 0.091 ng

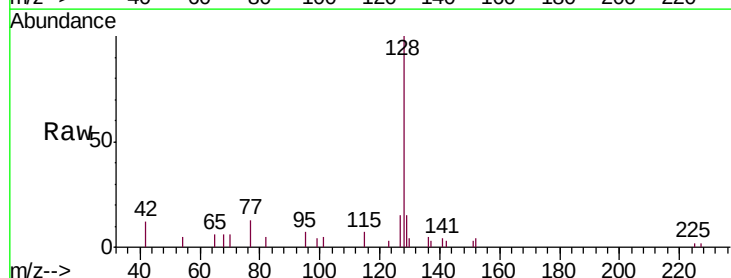
RT: 10.22 min Scan# 831

Delta R.T. 0.00 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Tgt Ion:	128	Resp:	4795
Ion	Ratio	Lower	Upper
128	100		
129	15.2	9.1	13.7#
127	15.3	10.6	16.0

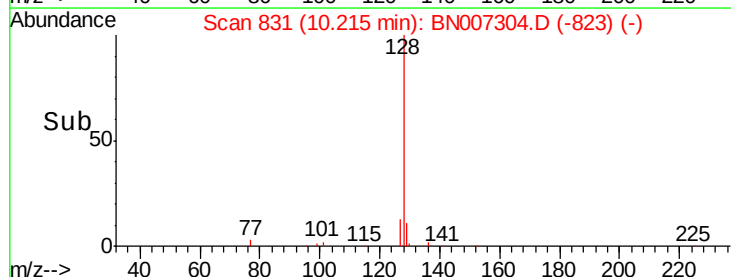
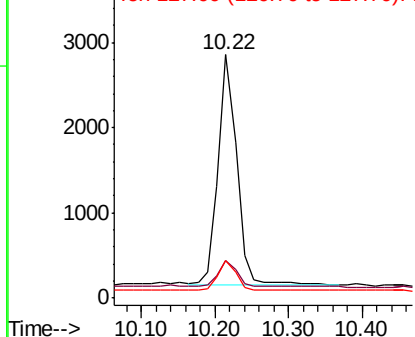


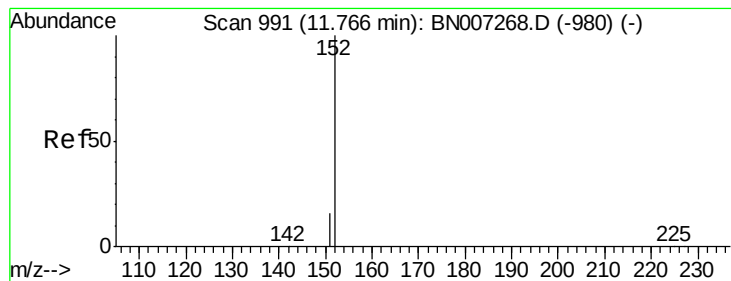
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





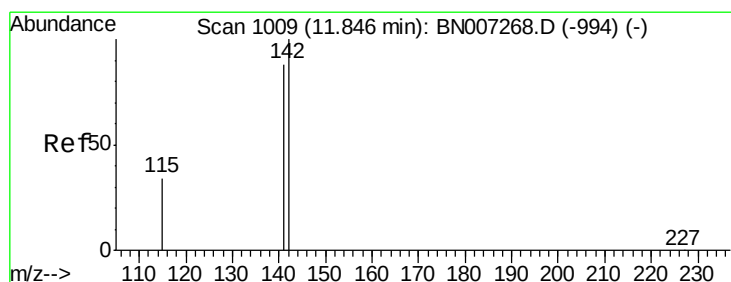
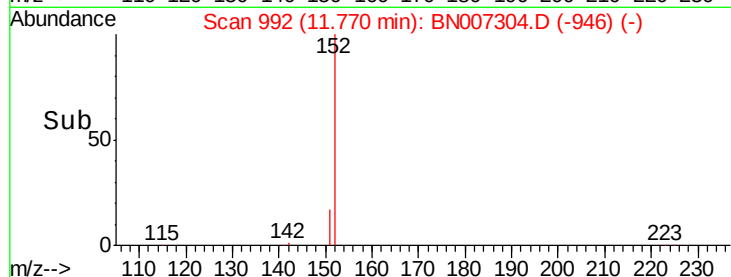
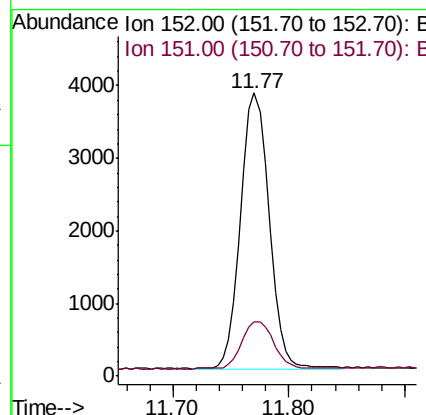
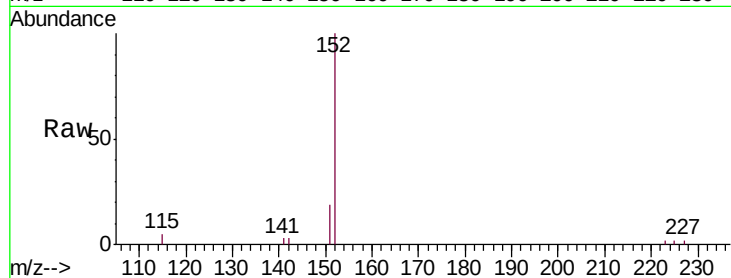
#11
 2-Methylnaphthalene-d10
 Concen: 0.198 ng
 RT: 11.77 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: BN007304.D
 Acq: 21 Aug 2019 23:34

Instrument :
 BNA_N
 ClientSampleId :
 S701-N-0.0-0.5-082019

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.2	22.8

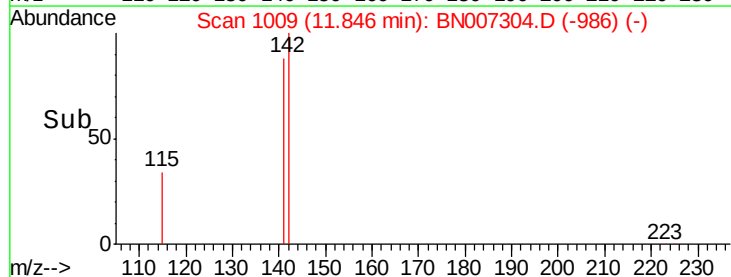
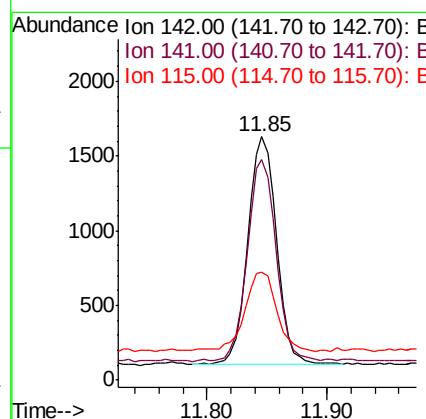
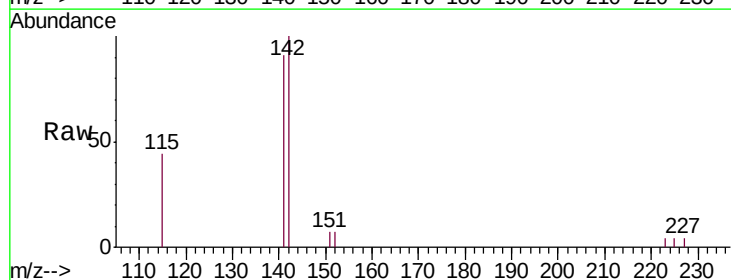
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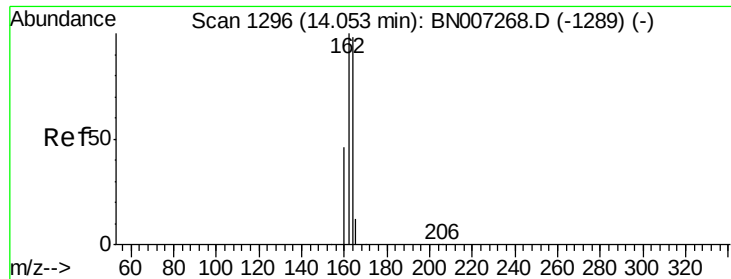
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#12
 2-Methylnaphthalene
 Concen: 0.069 ng
 RT: 11.85 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BN007304.D
 Acq: 21 Aug 2019 23:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.7	106.1
115	44.3	28.1	42.1#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Instrument :

BNA_N

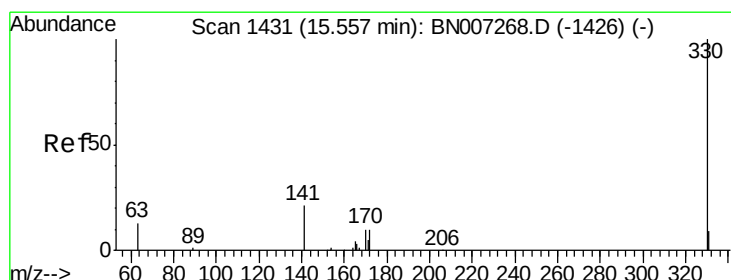
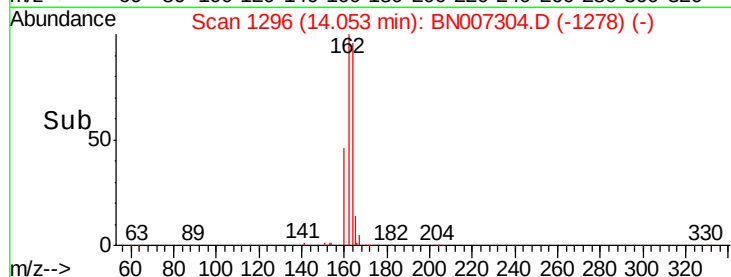
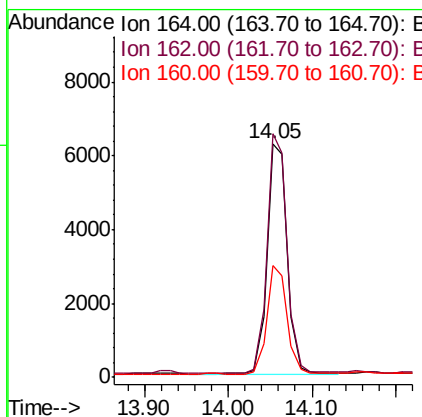
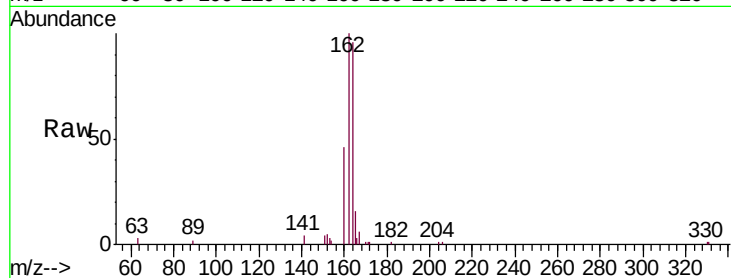
ClientSampleId :

S701-N-0.0-0.5-082019

Tot Ion:	164	Resp:	10456
Ion Ratio	Lower	Upper	
164	100		
162	104.2	82.0	123.0
160	48.1	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.281 ng

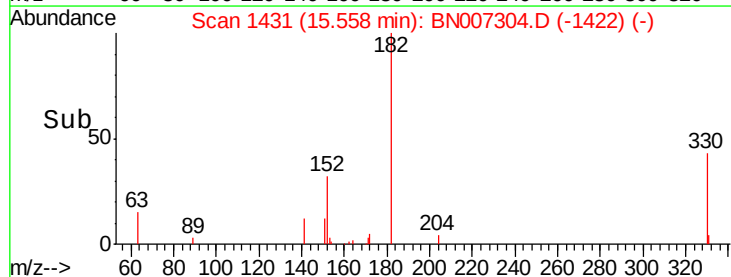
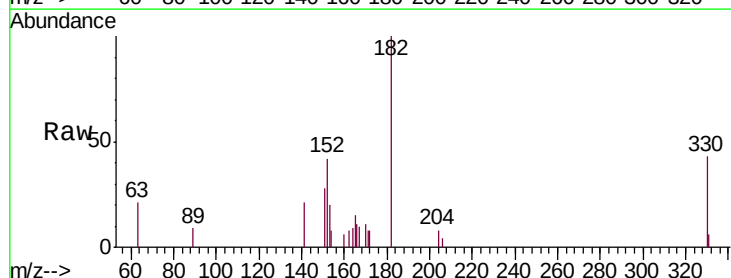
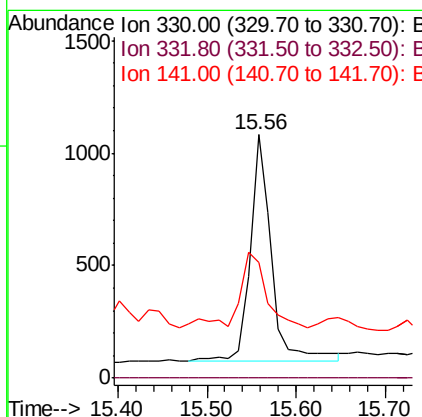
RT: 15.56 min Scan# 1431

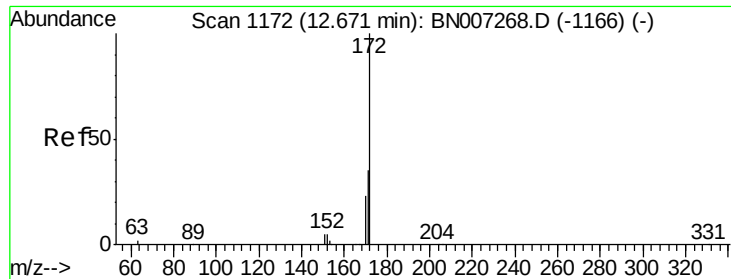
Delta R.T. 0.00 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Tgt Ion:	330	Resp:	1652
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	41.0	30.3	45.5





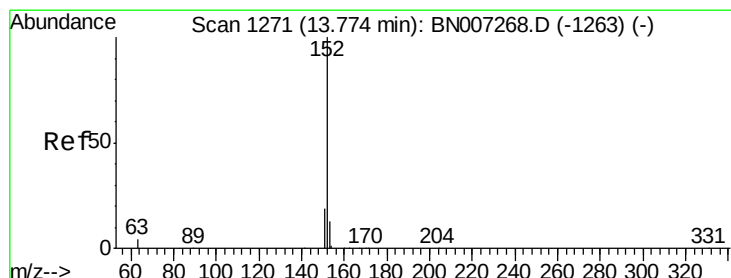
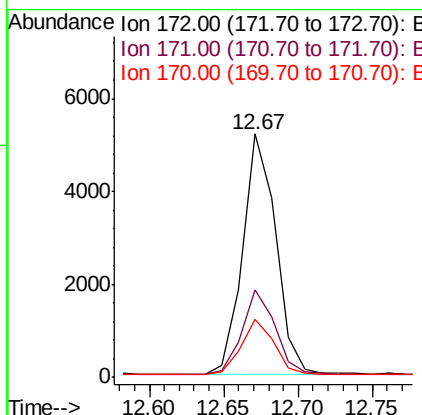
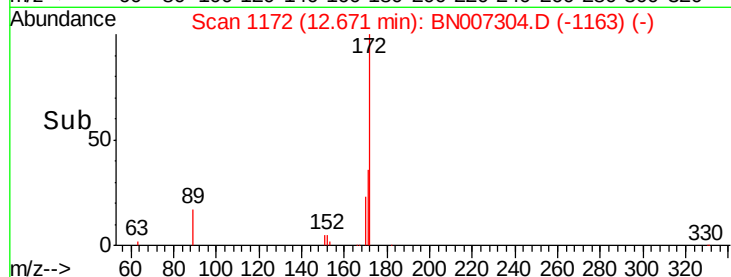
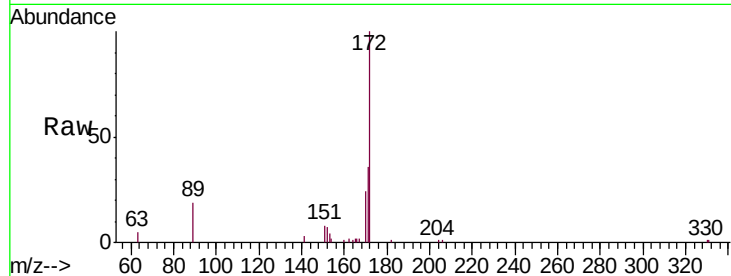
#15
2-Fluorobiphenyl
Concen: 0.179 ng
RT: 12.67 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	23.8	18.7	28.1

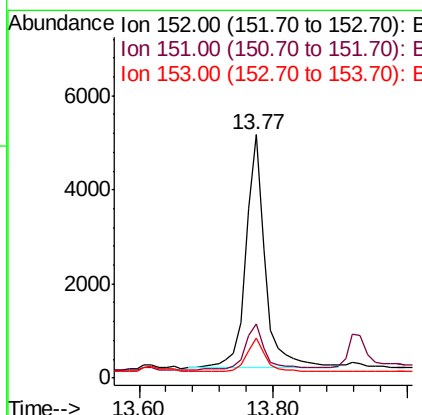
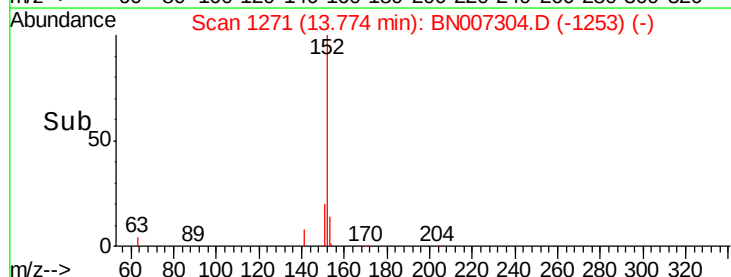
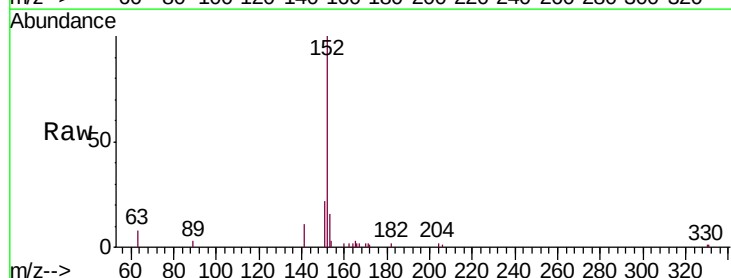
Manual Integrations
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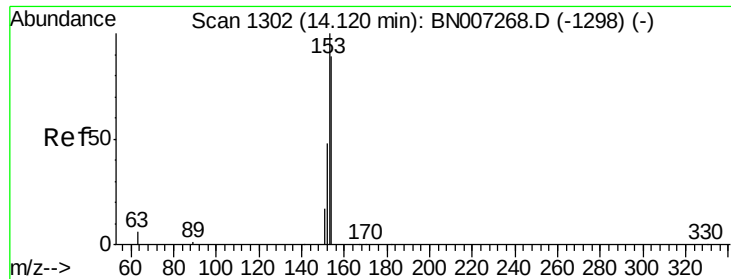
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#16
Acenaphthylene
Concen: 0.178 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.3	15.4	23.2
153	13.7	10.1	15.1





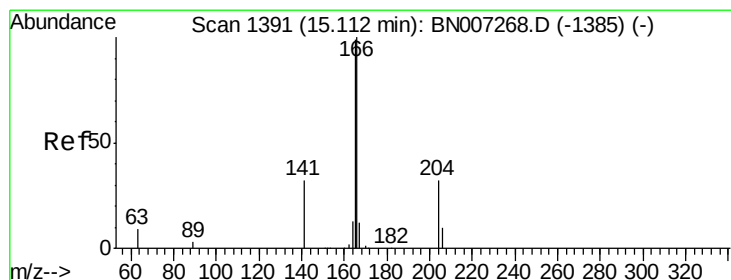
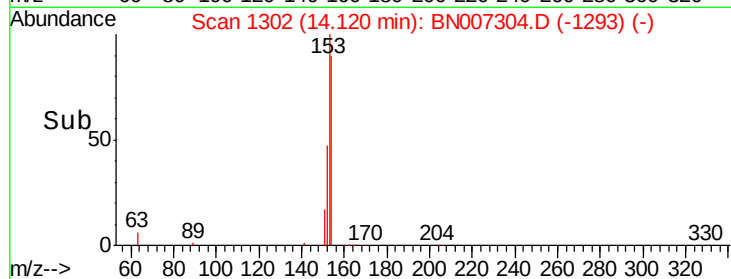
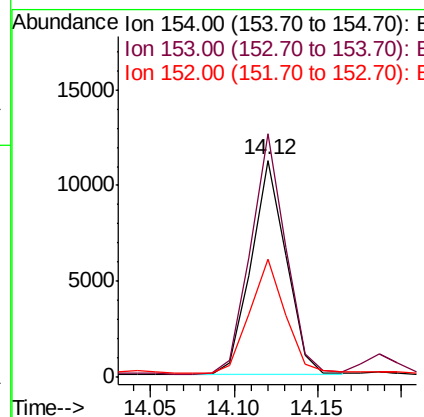
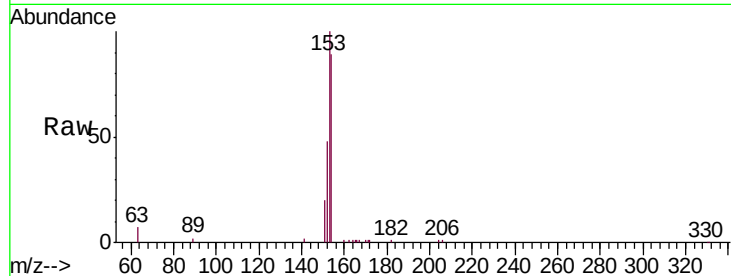
#17
Acenaphthene
Concen: 0.460 ng
RT: 14.12 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.9	134.9
152	55.9	43.9	65.9

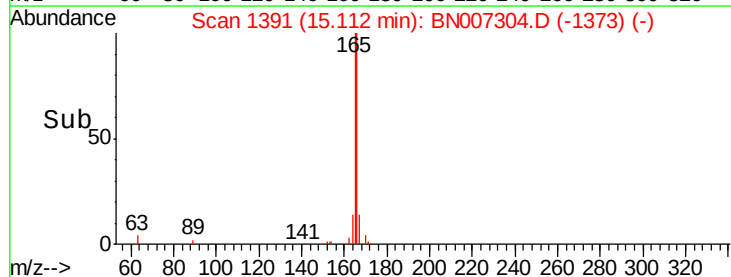
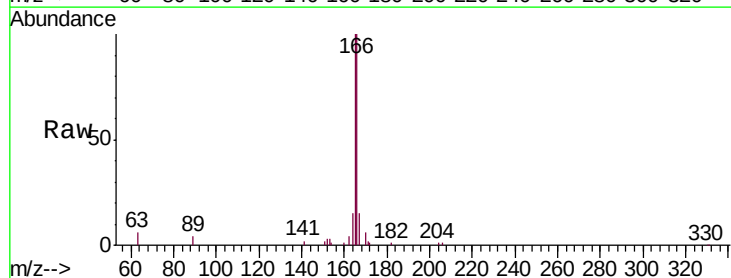
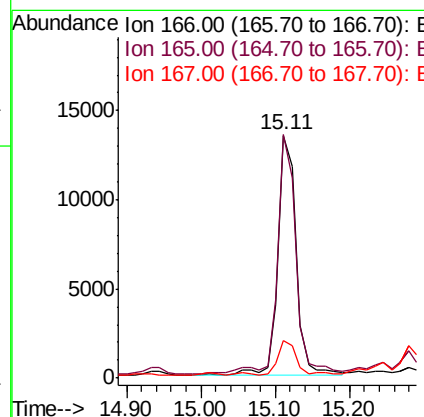
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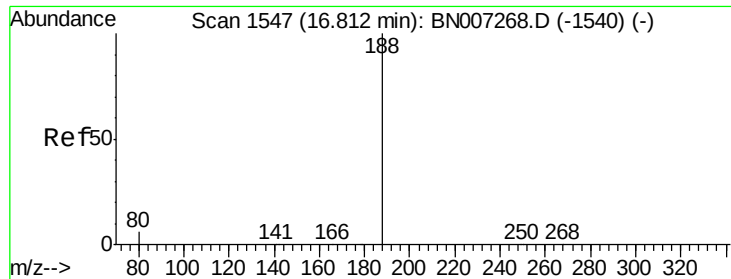
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#18
Fluorene
Concen: 0.507 ng
RT: 15.11 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.3	117.5
167	14.6	11.1	16.7





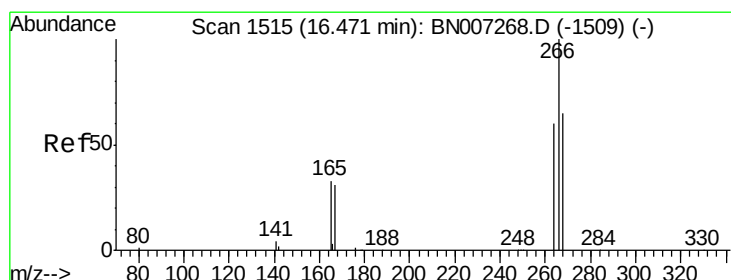
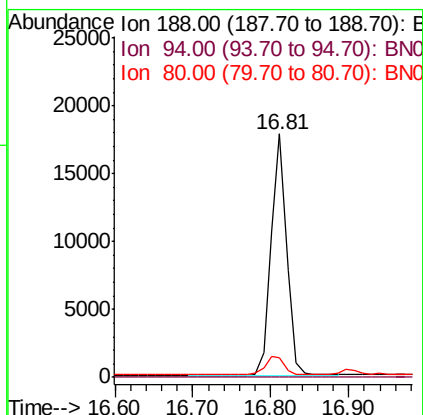
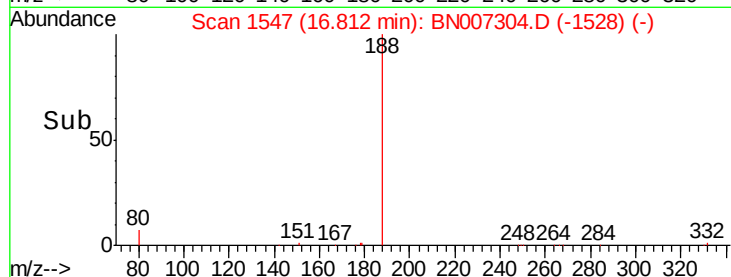
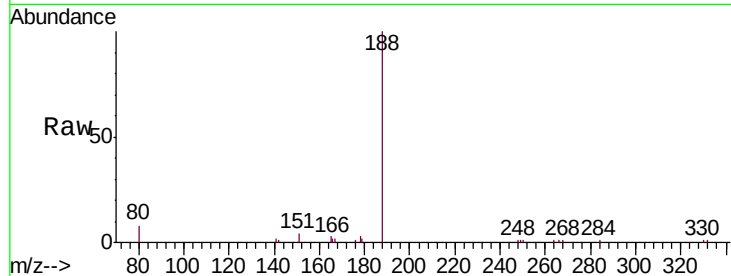
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	5.2	7.8#

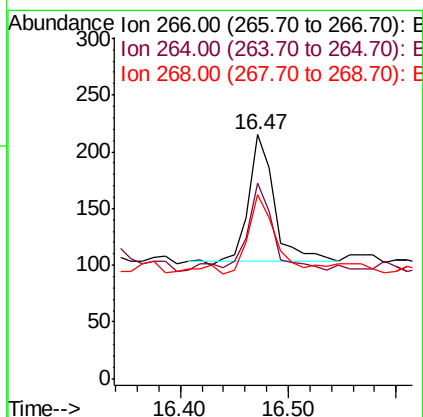
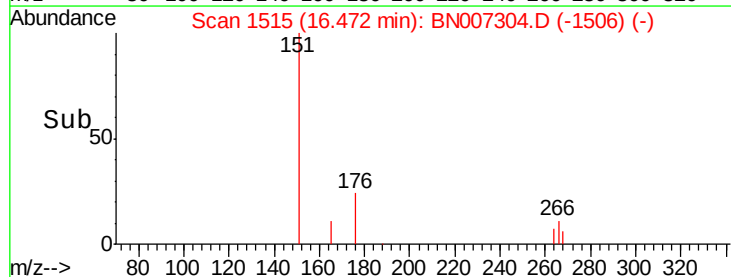
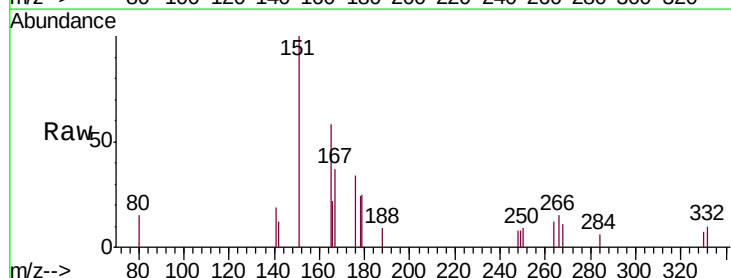
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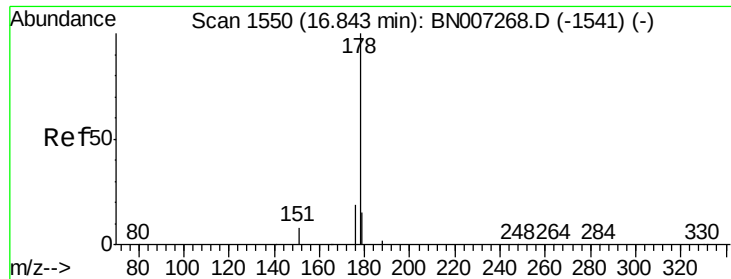
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#22
Pentachlorophenol
Concen: 0.028 ng
RT: 16.47 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
264	80.0	48.7	73.1#
268	75.3	53.5	80.3





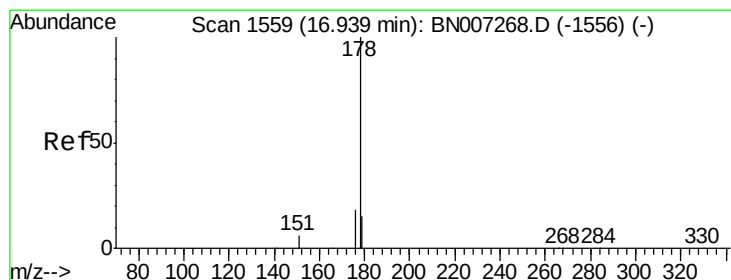
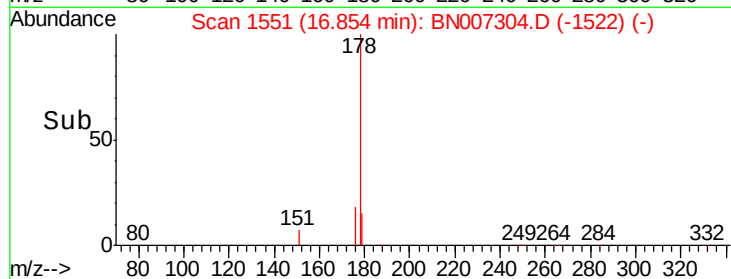
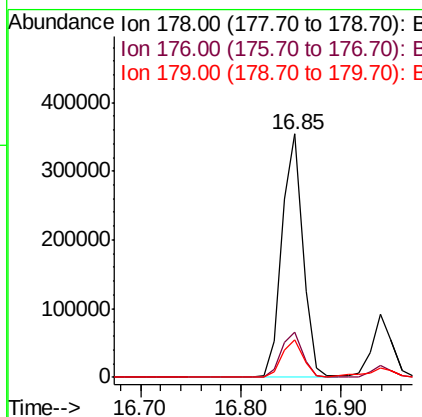
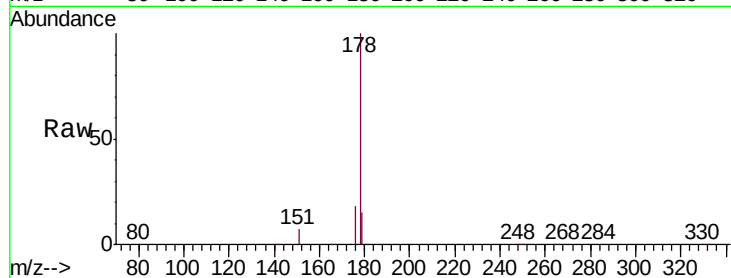
#23
Phenanthrene
Concen: 6.544 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.01 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.3	12.3	18.5

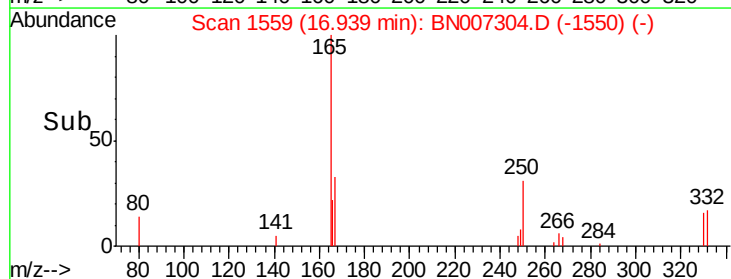
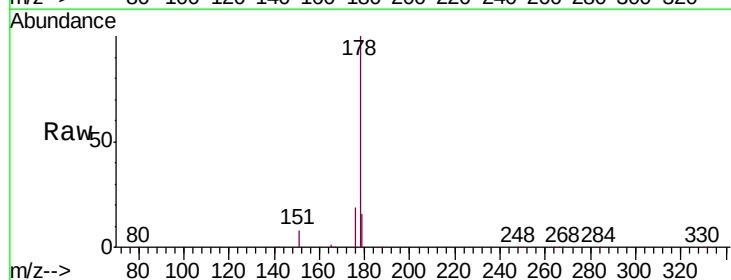
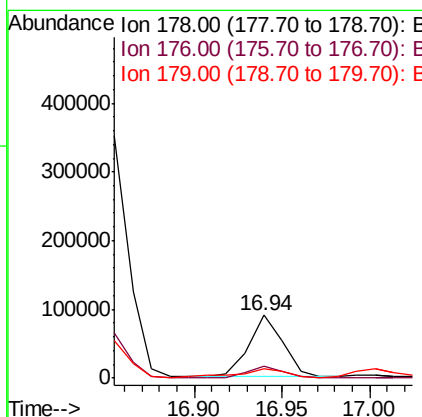
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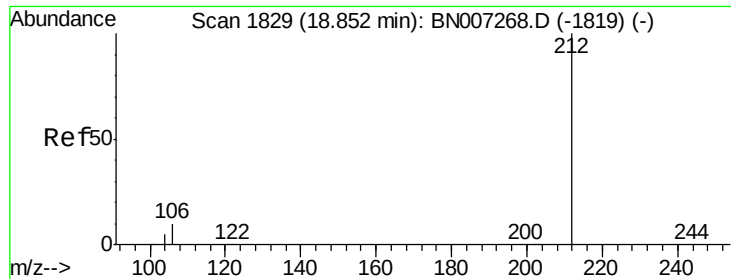
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#24
Anthracene
Concen: 1.709 ng
RT: 16.94 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.3	21.5
179	19.9	12.3	18.5





#25

Fluoranthene-d10

Concen: 0.168 ng

RT: 18.86 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Instrument :

BNA_N

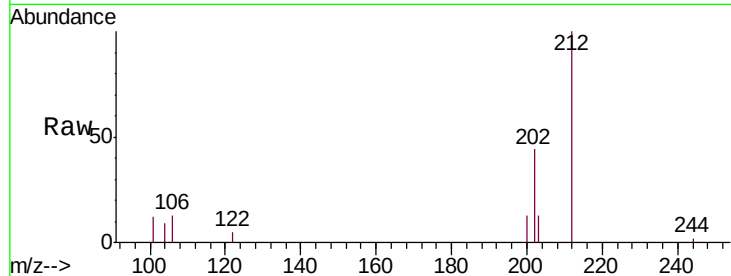
ClientSampleId :

S701-N-0.0-0.5-082019

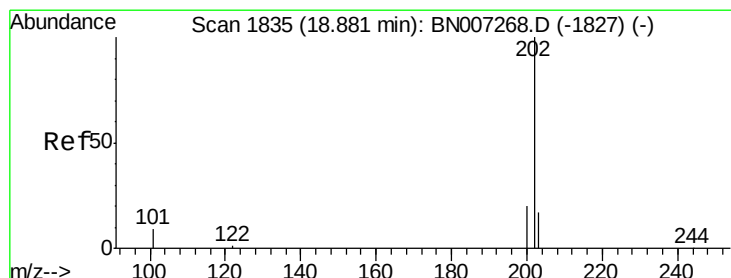
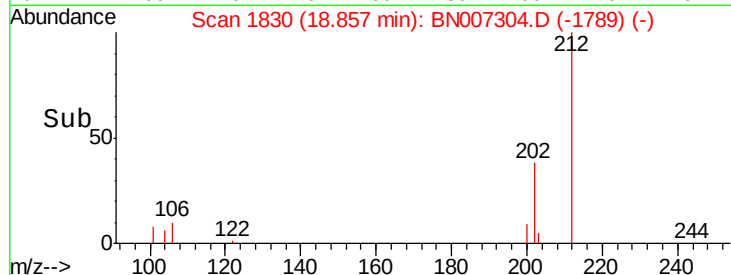
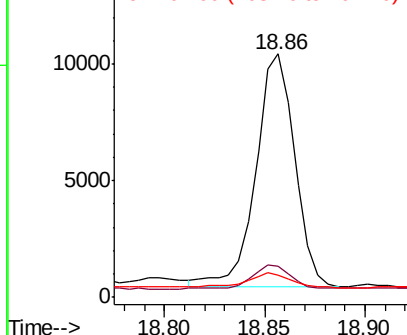
Tot Ion	Ion	Ratio	Resp	Lower	Upper
212	100				
106	10.1	8.2	12.4		
104	7.1	4.7	7.1#		

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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: 14.276 ng

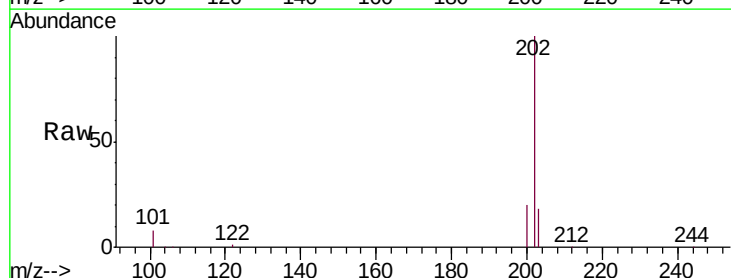
RT: 18.89 min Scan# 1836

Delta R.T. 0.01 min

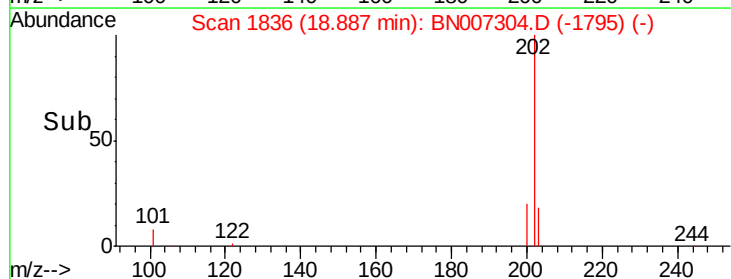
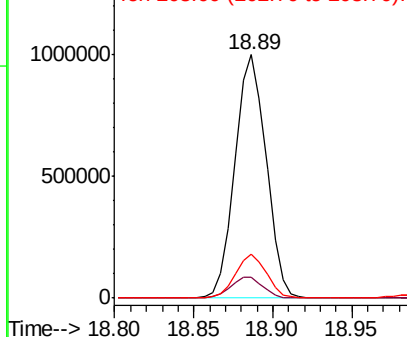
Lab File: BN007304.D

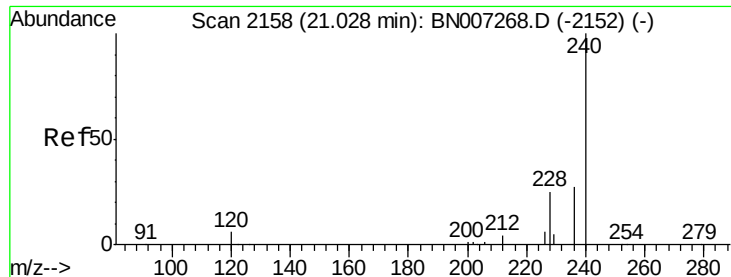
Acq: 21 Aug 2019 23:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	8.7	7.2	10.8		
203	17.6	13.8	20.6		



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: 21.03 min Scan# 2158

Delta R.T. 0.00 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019

Tot Ion:240 Resp: 26472

Ion Ratio Lower Upper

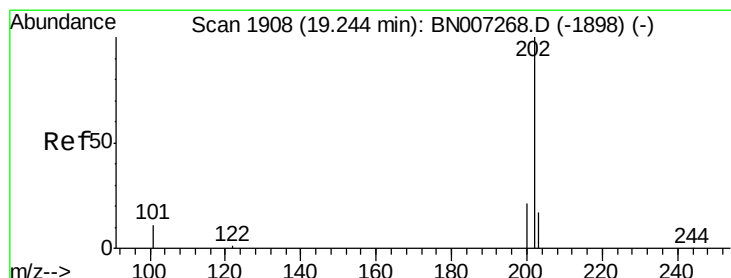
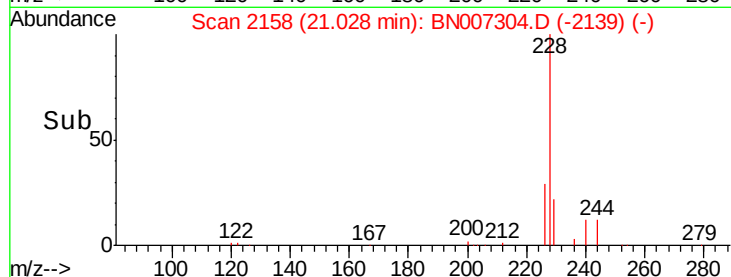
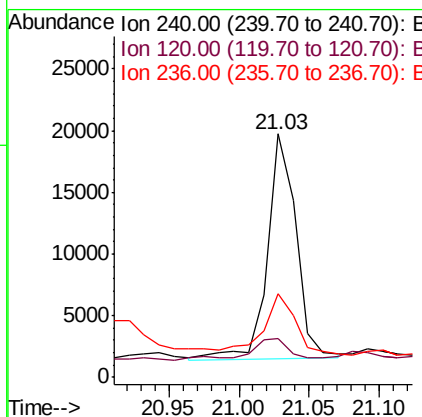
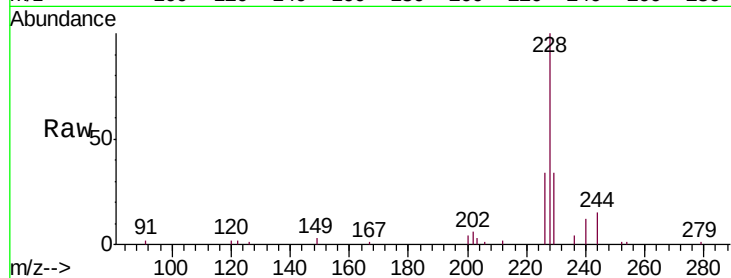
240 100

120 15.8 5.6 8.4#

236 34.2 21.6 32.4#

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#28

Pyrene

Concen: 11.576 ng

RT: 19.25 min Scan# 1909

Delta R.T. 0.01 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

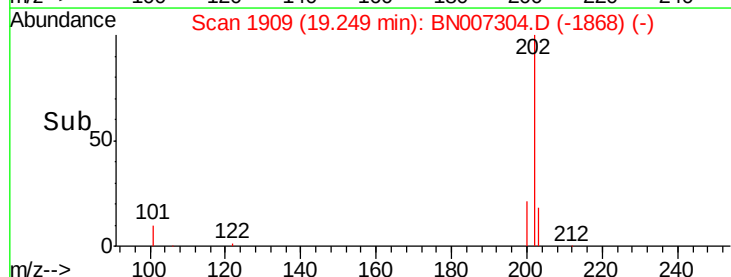
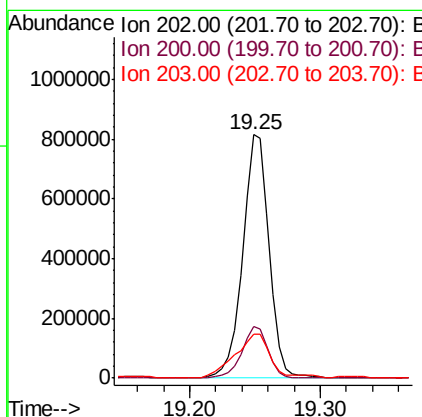
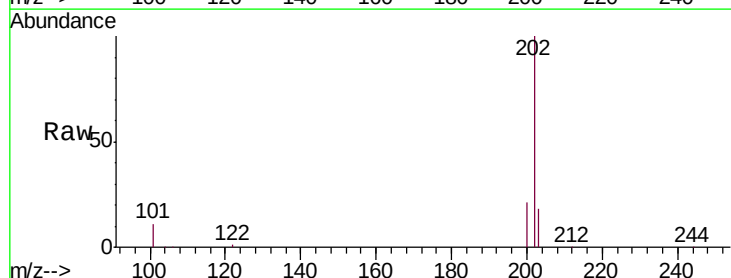
Tgt Ion:202 Resp: 1145884

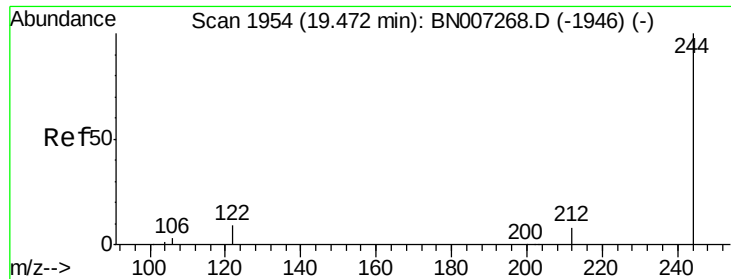
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 23.5 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.142 ng

RT: 19.47 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Instrument :

BNA_N

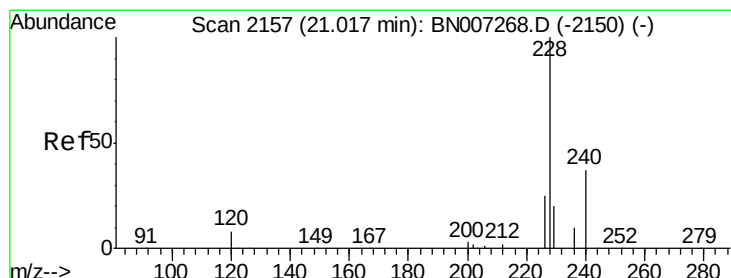
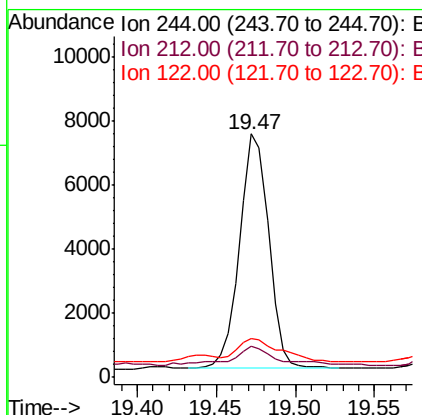
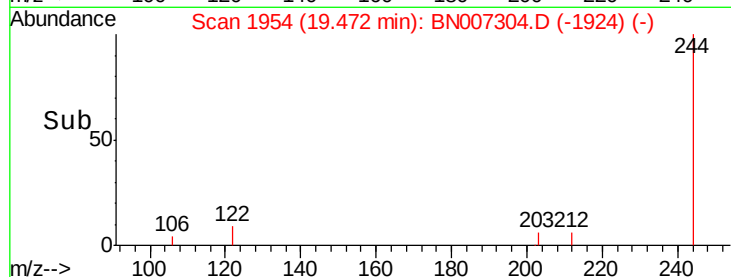
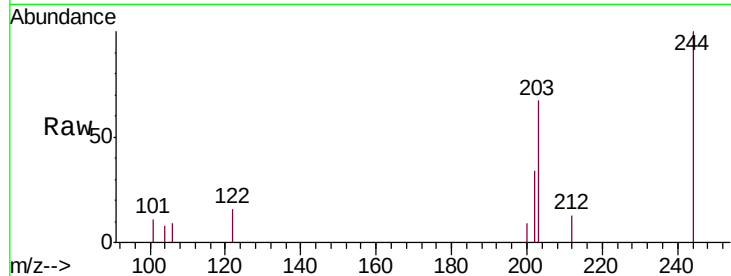
ClientSampleId :

S701-N-0.0-0.5-082019

Tot Ion:	244	Resp:	9376
Ion Ratio	Lower	Upper	
244	100		
212	12.7	6.5	9.7#
122	16.0	7.9	11.9#

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#30

Benzo(a)anthracene

Concen: 8.585 ng

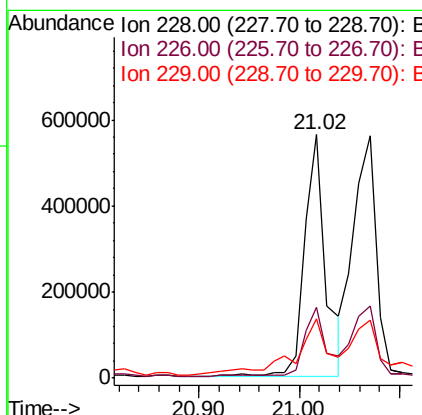
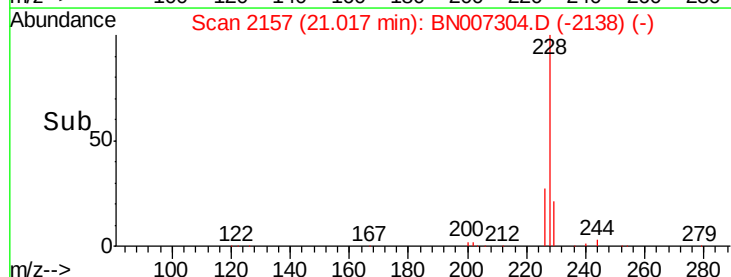
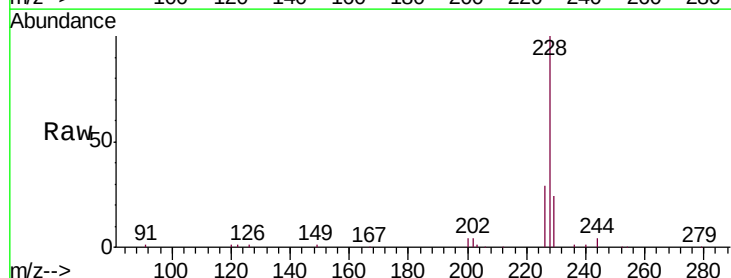
RT: 21.02 min Scan# 2157

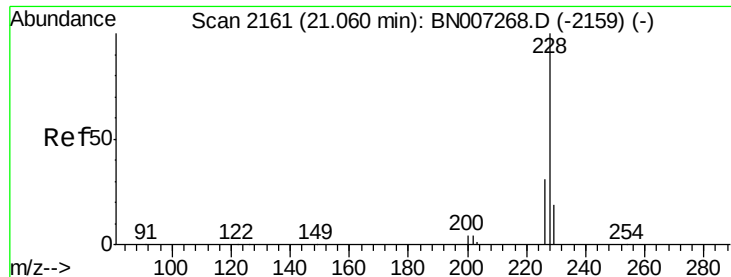
Delta R.T. 0.00 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Tgt Ion:	228	Resp:	845045
Ion Ratio	Lower	Upper	
228	100		
226	28.8	20.6	30.8
229	24.1	16.9	25.3





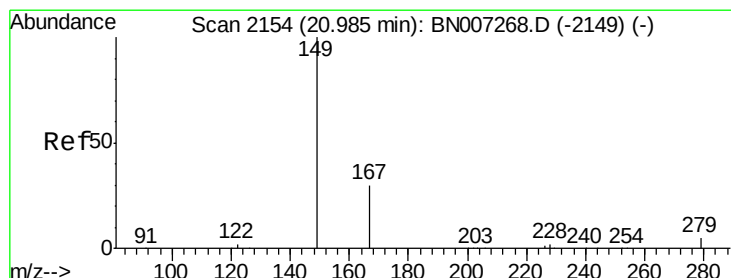
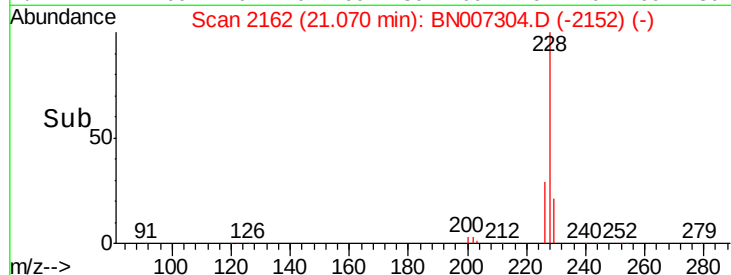
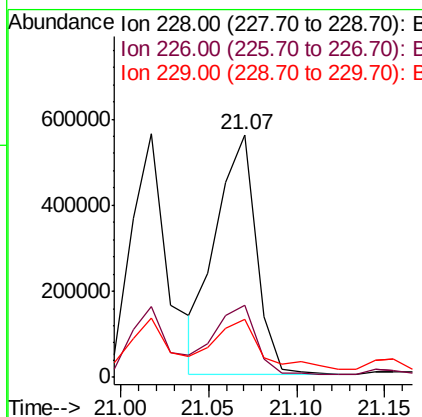
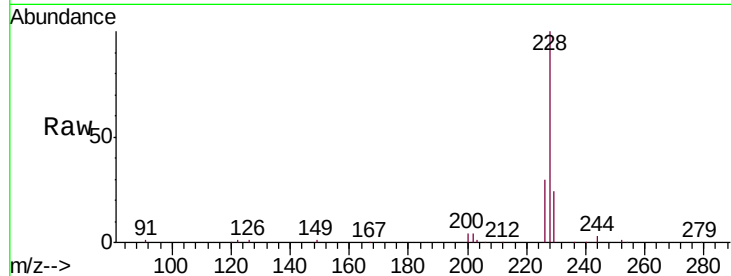
#31
 Chrysene
 Concen: 8.800 ng
 RT: 21.07 min Scan# 2162
 Delta R.T. 0.01 min
 Lab File: BN007304.D
 Acq: 21 Aug 2019 23:34

Instrument :
 BNA_N
 ClientSampleId :
 S701-N-0.0-0.5-082019

Tot Ion:	228	Resp:	883987
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.6	36.8
229	23.9	15.6	23.4#

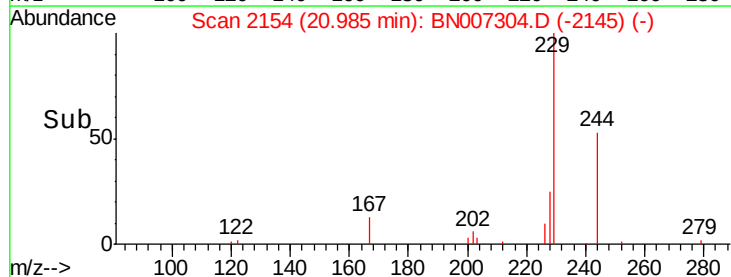
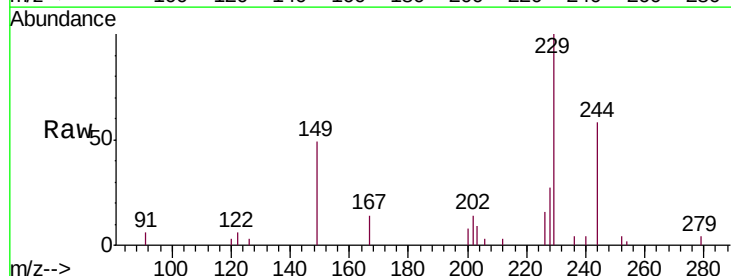
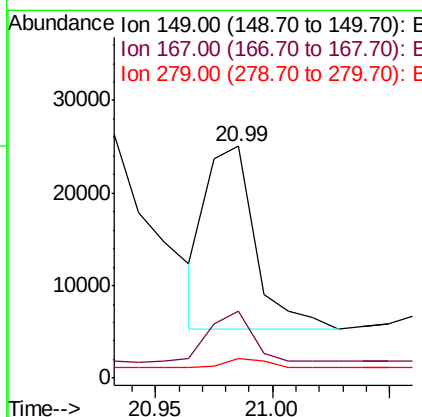
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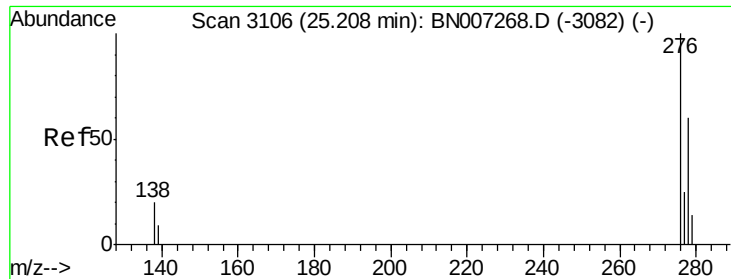
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.726 ng
 RT: 20.99 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: BN007304.D
 Acq: 21 Aug 2019 23:34

Tgt Ion:	149	Resp:	28561
Ion Ratio	Lower	Upper	
149	100		
167	27.8	23.8	35.6
279	5.8	3.8	5.8#





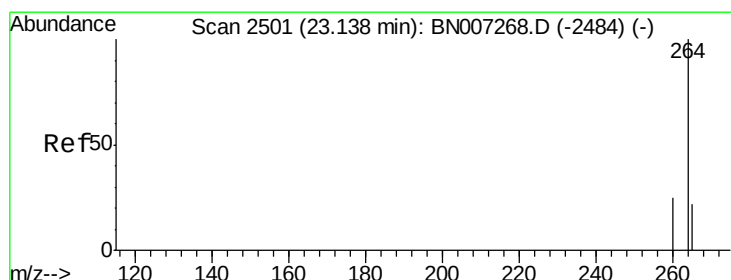
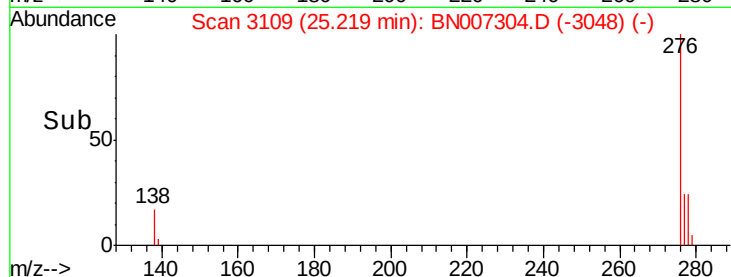
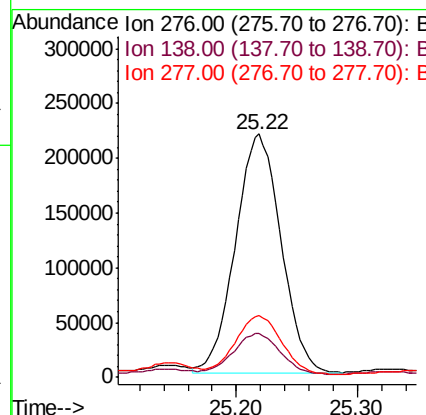
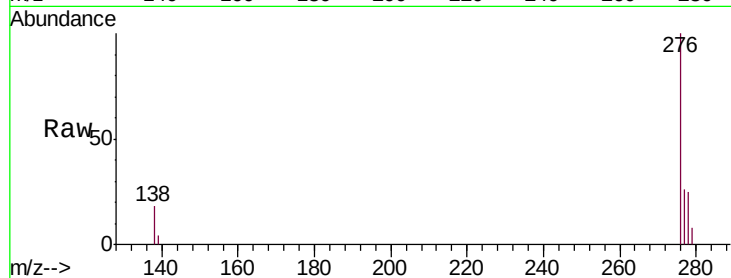
#33
Indeno(1,2,3-cd)pyrene
Concen: 4.690 ng
RT: 25.22 min Scan# 3109
Delta R.T. 0.01 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019

Tot Ion	Ratio	Resp	Lower	Upper
276	100	566861		
138	17.6		17.1	25.7
277	24.9		20.1	30.1

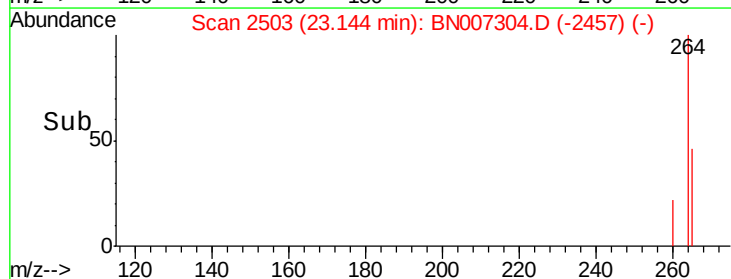
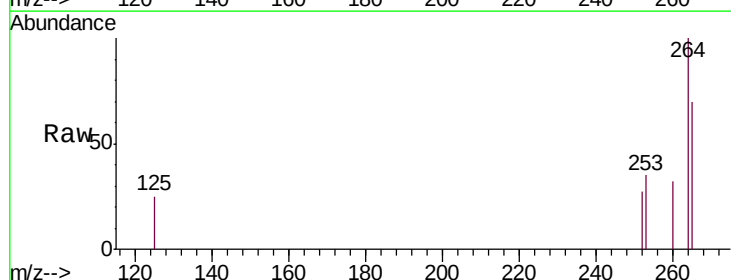
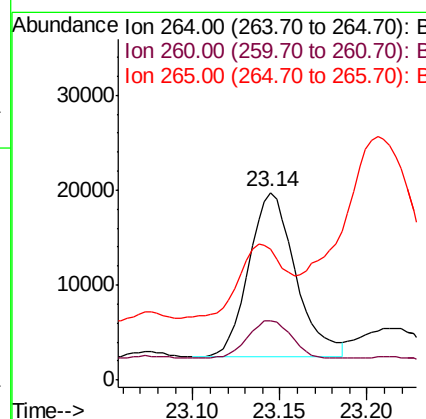
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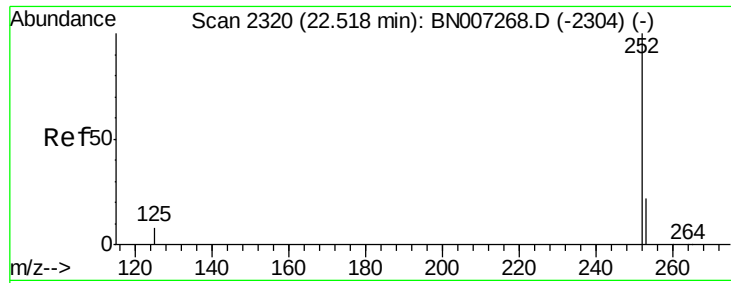
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	32433		
260	31.8		20.1	30.1#
265	69.6		29.0	43.6#





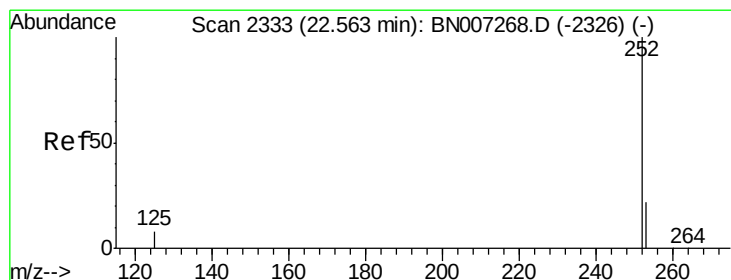
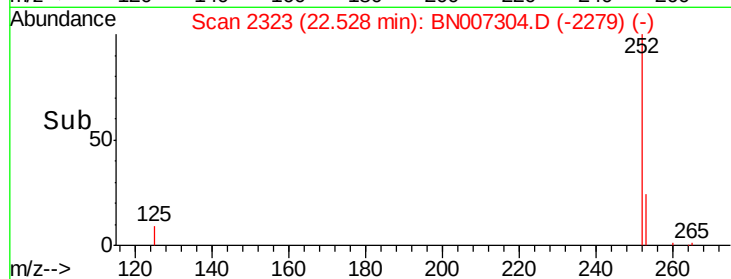
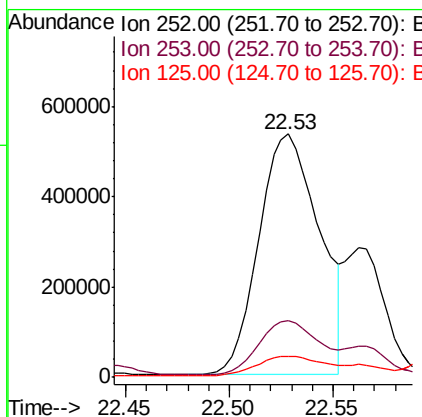
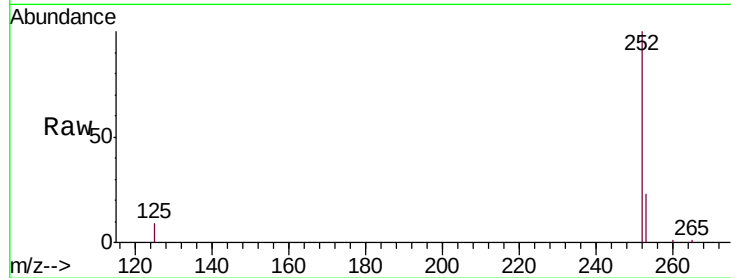
#35
Benzo(b)fluoranthene
Concen: 8.948 ng
RT: 22.53 min Scan# 2323
Delta R.T. 0.01 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	8.7	7.8	11.6

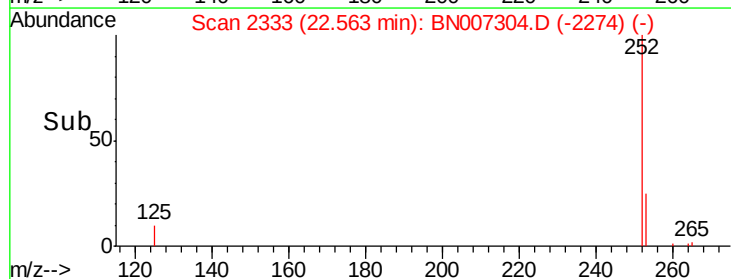
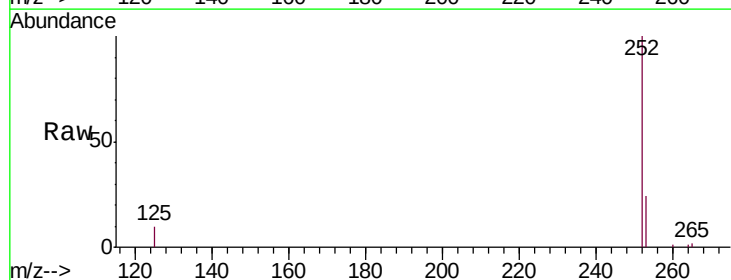
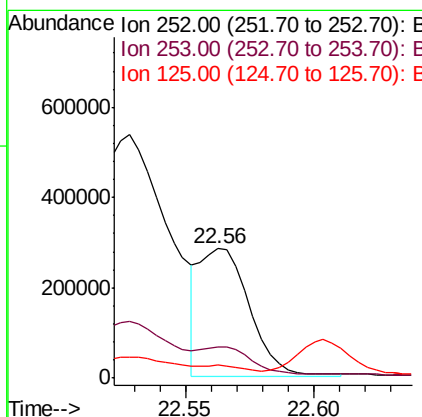
Manual Integrations
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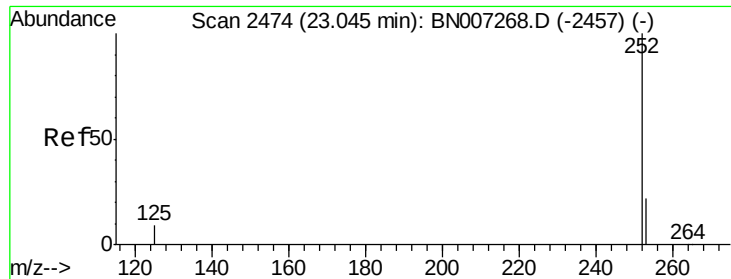
mohammad
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#36
Benzo(k)fluoranthene
Concen: 3.219 ng m
RT: 22.56 min Scan# 2333
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	9.8	8.0	12.0





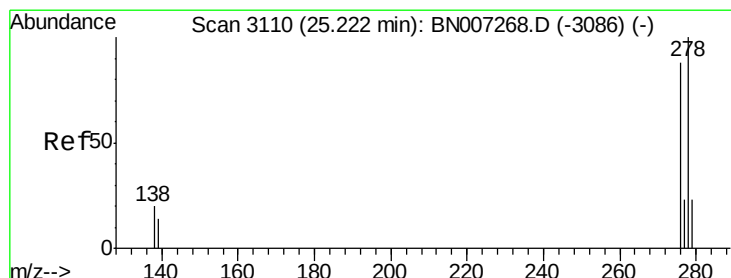
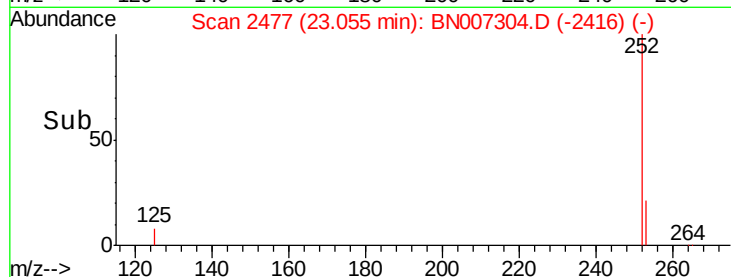
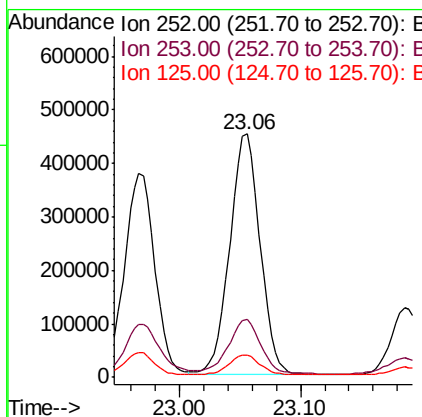
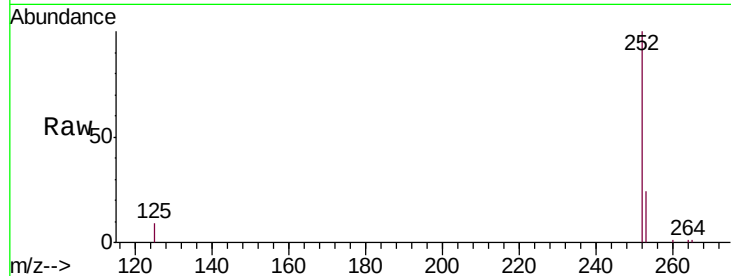
#37
Benzo(a)pyrene
Concen: 7.213 ng
RT: 23.06 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.7	28.1
125	9.3	8.7	13.1

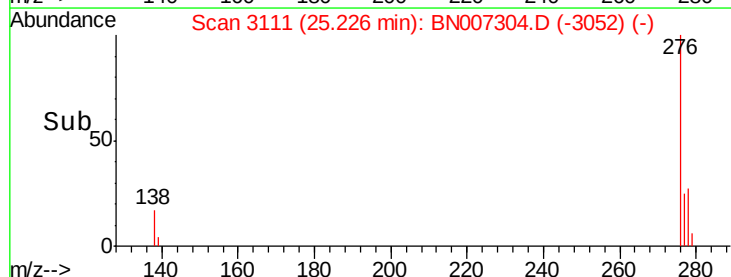
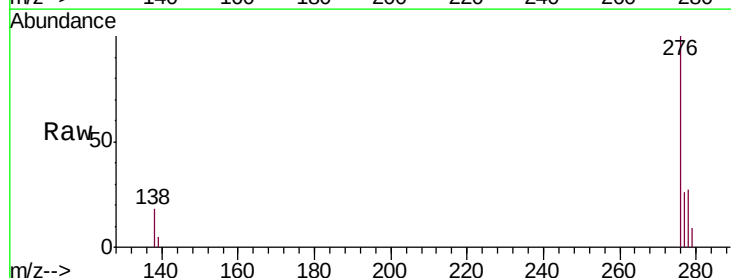
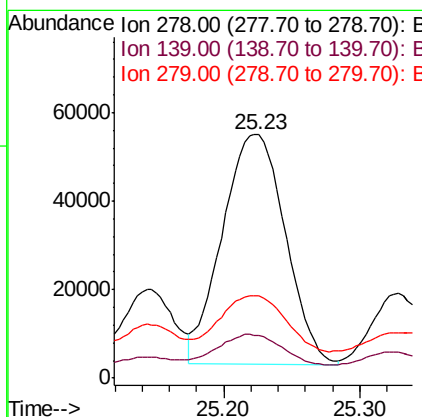
Manual Integrations
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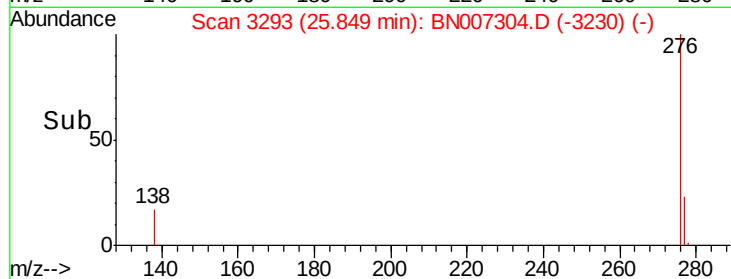
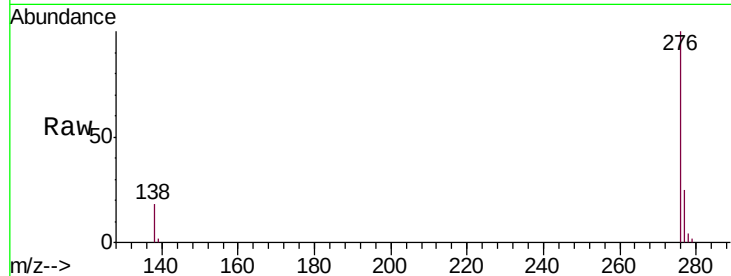
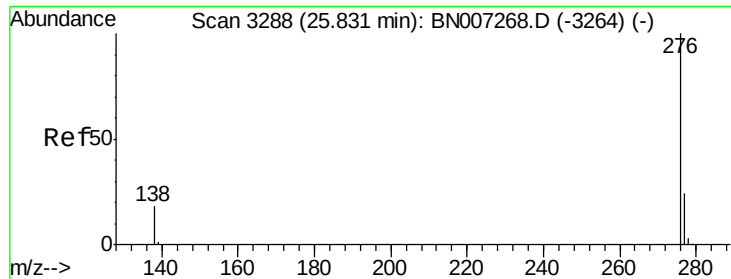
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#38
Dibenzo(a,h)anthracene
Concen: 1.452 ng
RT: 25.23 min Scan# 3111
Delta R.T. 0.00 min
Lab File: BN007304.D
Acq: 21 Aug 2019 23:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	11.8	17.8
279	33.6	19.8	29.6





#39

Benzo(a,h,i)perylene

Concen: 5.091 ng

RT: 25.85 min Scan# 3293

Delta R.T. 0.02 min

Lab File: BN007304.D

Acq: 21 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.5	29.3
138	18.1	15.3	22.9

Manual Integrations
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