

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
 Data File : BN007363.D
 Acq On : 24 Aug 2019 14:55
 Operator : HP/JU
 Sample : K4443-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
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 8/31/2019 2:40:03 PM

Quant Time: Aug 25 00:07:15 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	4777	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	20198	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	11063	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	23838	0.40	ng	0.00
27) Chrysene-d12	21.03	240	25037	0.40	ng	0.00
34) Perylene-d12	23.13	264	27060	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	864	0.03	ng	0.00
5) Phenol-d6	6.60	99	1205	0.03	ng	0.00
8) Nitrobenzene-d5	8.54	82	611	0.03	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	1285	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	236	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	1498	0.03	ng	0.00
25) Fluoranthene-d10	18.84	212	2436	0.03	ng	0.00
29) Terphenyl-d14	19.47	244	1713	0.03	ng	0.00

Target Compounds				Qvalue		
16) Acenaphthylene	13.76	152	2222	0.034	ng	99
17) Acenaphthene	14.11	154	3382	0.088	ng	97
18) Fluorene	15.10	166	3939	0.081	ng	99
23) Phenanthrene	16.84	178	96454	1.345	ng	99
24) Anthracene	16.93	178	19269	0.267	ng	# 93
26) Fluoranthene	18.87	202	274049	2.977	ng	100
28) Pyrene	19.24	202	225330	2.237	ng	# 94
30) Benzo(a)anthracene	21.00	228	157210	1.599	ng	95
31) Chrysene	21.06	228	174730	1.841	ng	97
32) Bis(2-ethylhexyl)phthalate	20.97	149	5483	0.067	ng	94
33) Indeno(1,2,3-cd)pyrene	25.19	276	104224	0.912	ng	98
35) Benzo(b)fluoranthene	22.51	252	208151	2.123	ng	# 95
36) Benzo(k)fluoranthene	22.55	252	70786m	0.731	ng	
37) Benzo(a)pyrene	23.04	252	142209m	1.524	ng	
38) Dibenzo(a,h)anthracene	25.20	278	30298	0.325	ng	# 88
39) Benzo(g,h,i)perylene	25.82	276	108461	1.169	ng	97

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

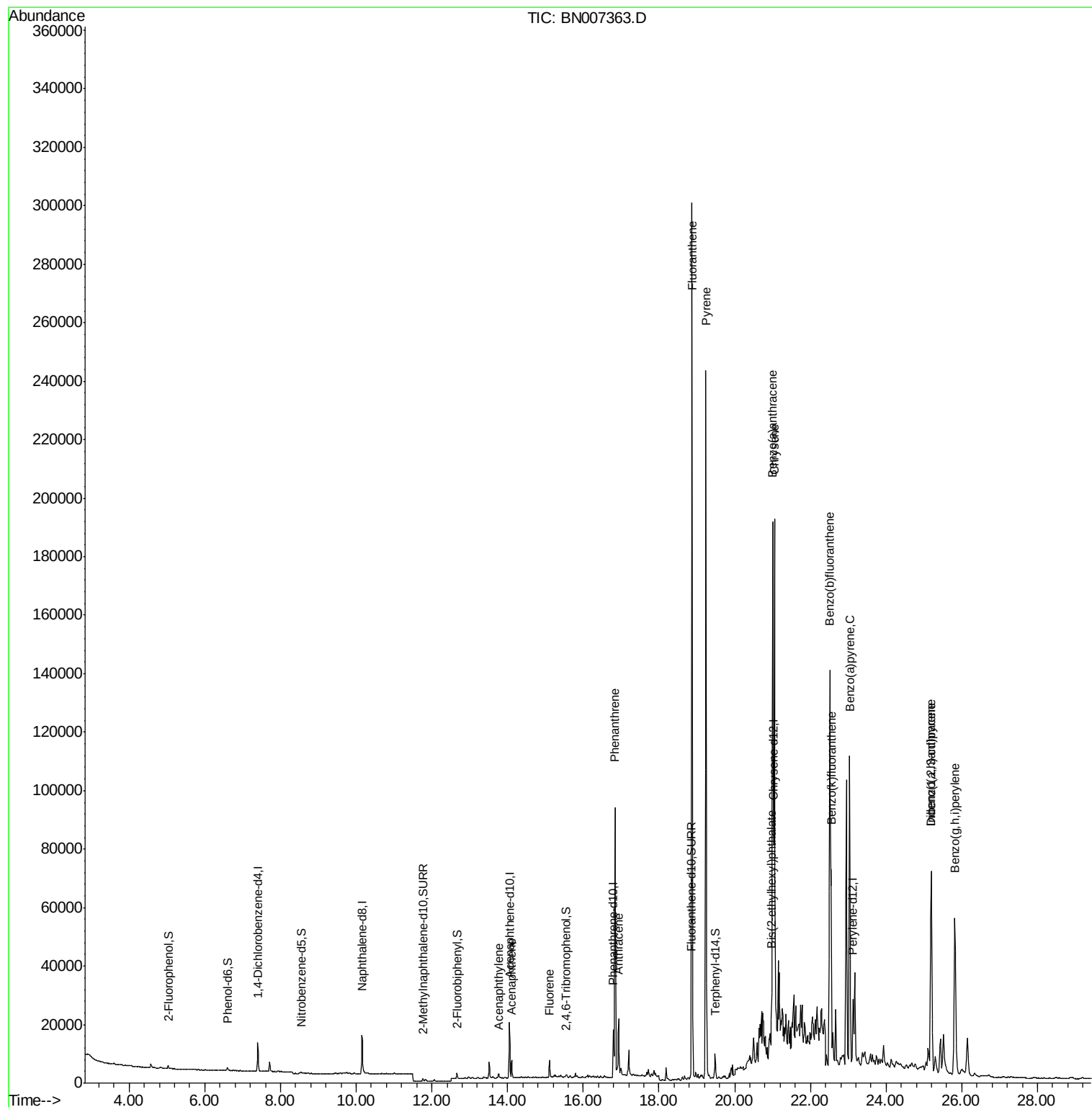
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
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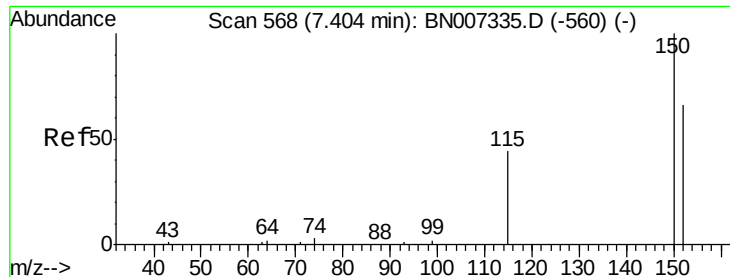
Instrument :
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S701-N-0.0-0.5-082019DL

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#1

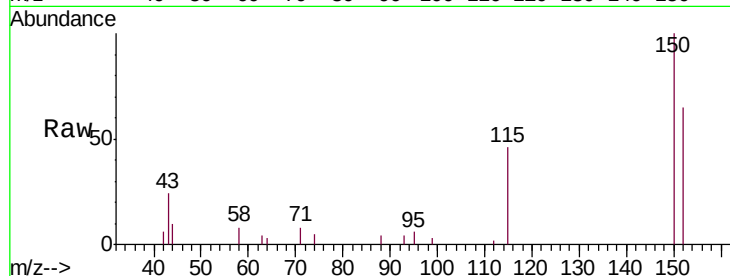
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	109.1	163.7
115	70.6	59.6	89.4

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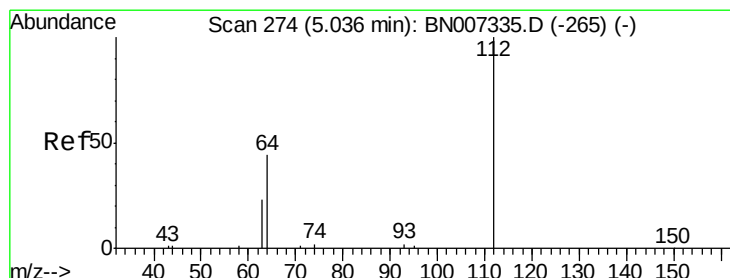
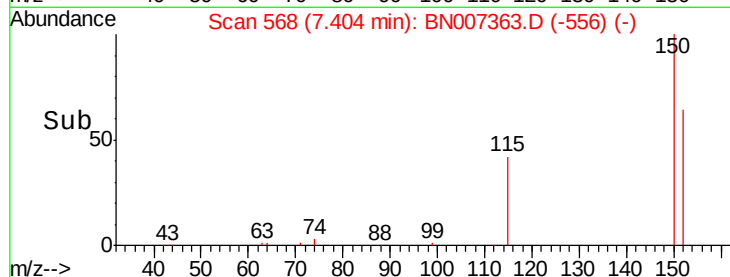
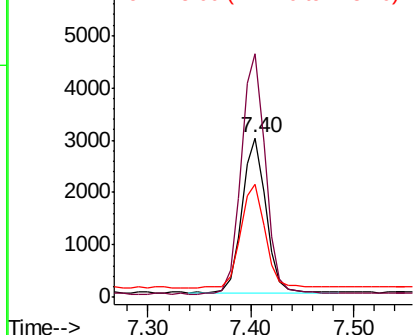


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

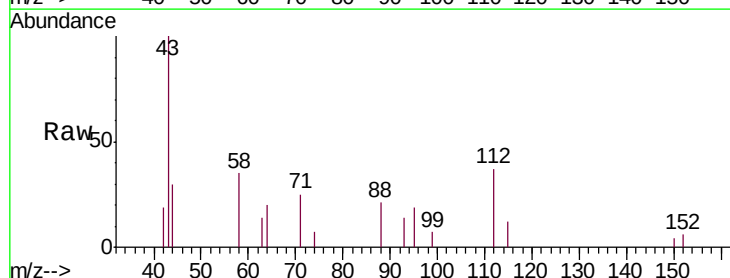
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.026 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	42.3	63.5
63	31.4	23.6	35.4

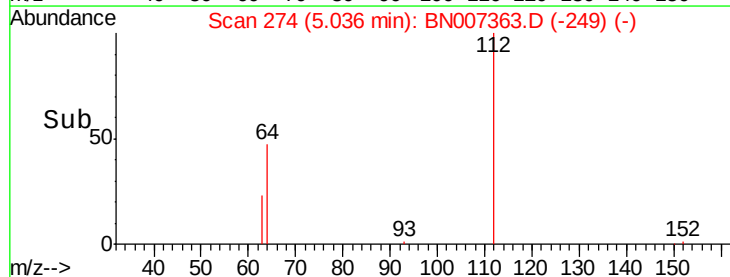
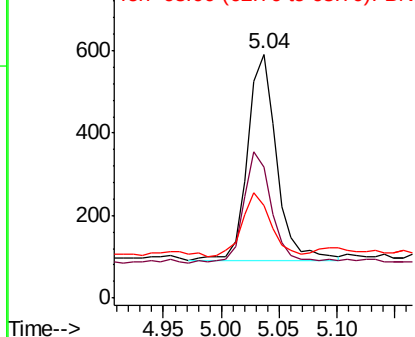


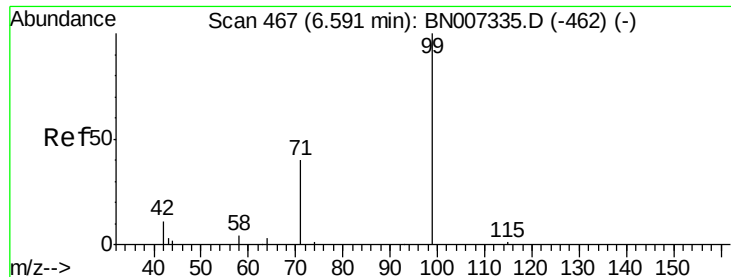
Abundance

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: 0.029 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

Instrument :

BNA_N

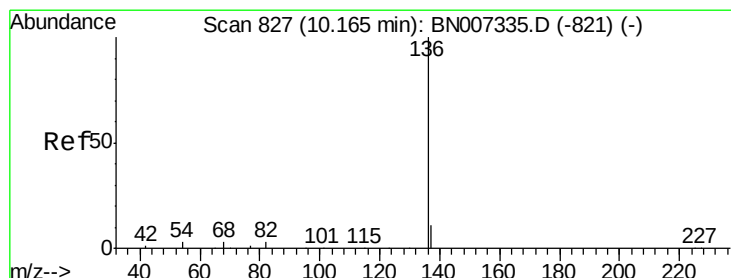
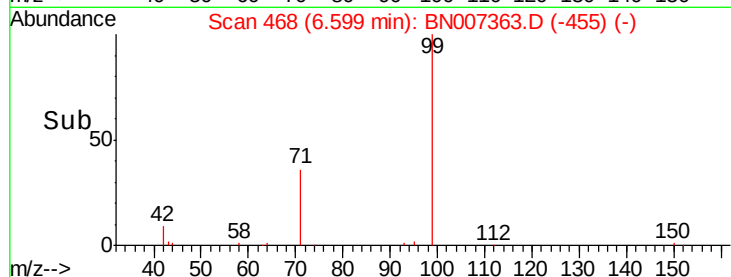
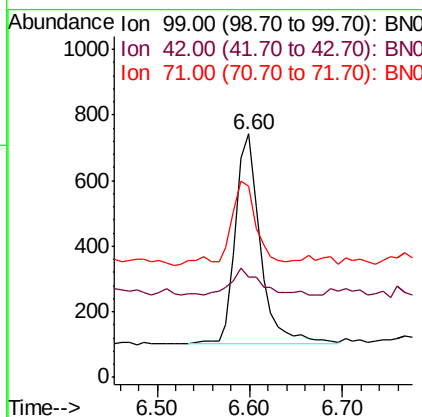
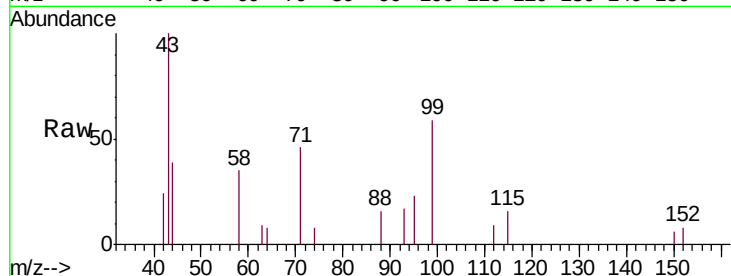
ClientSampleId :

S701-N-0.0-0.5-082019DL

Tot Ion:	99	Resp:	1205
Ion	Ratio	Lower	Upper
99	100		
42	13.9	11.2	16.8
71	37.0	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

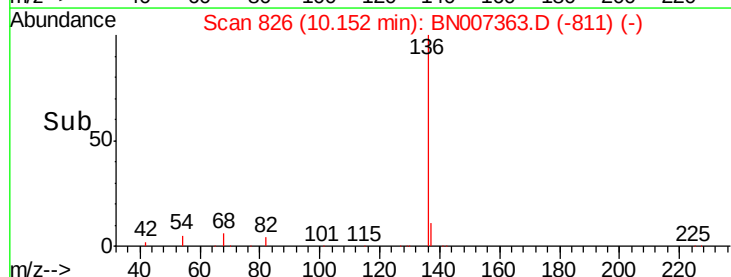
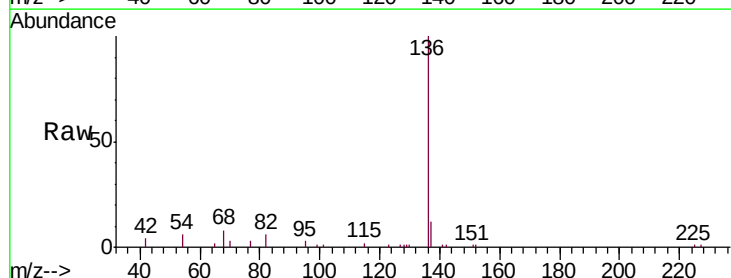
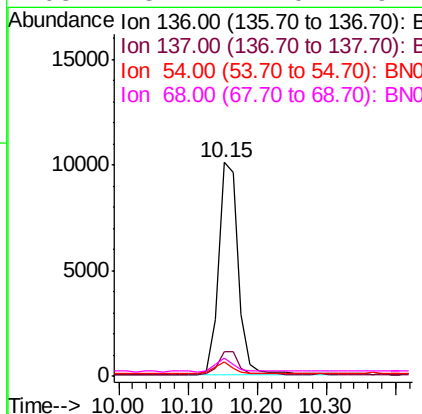
RT: 10.15 min Scan# 826

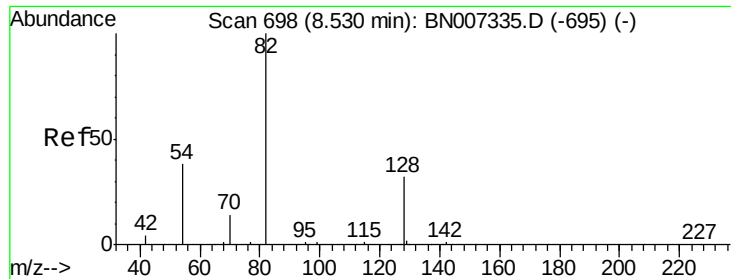
Delta R.T. -0.01 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

Tgt Ion:	136	Resp:	20198
Ion	Ratio	Lower	Upper
136	100		
137	11.7	12.9	19.3#
54	6.5	8.6	12.8#
68	8.2	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.035 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

Instrument :

BNA_N

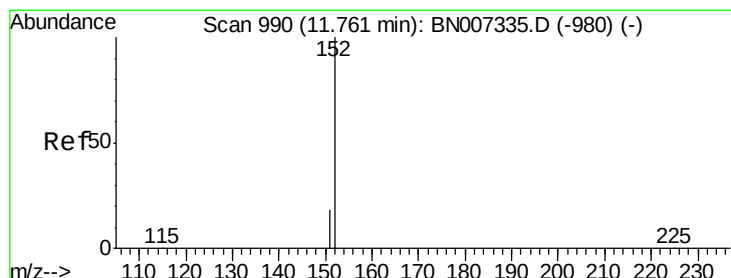
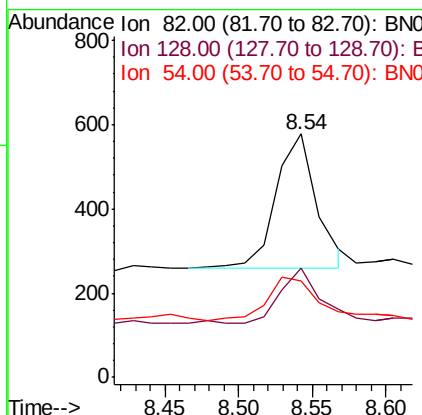
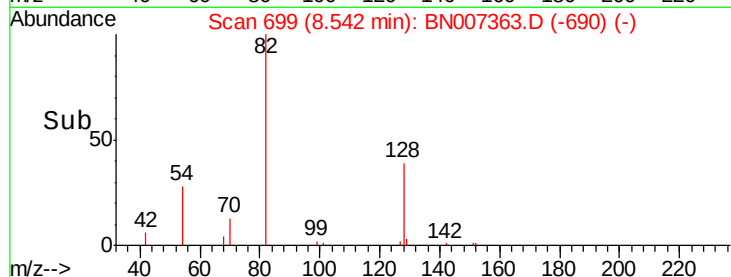
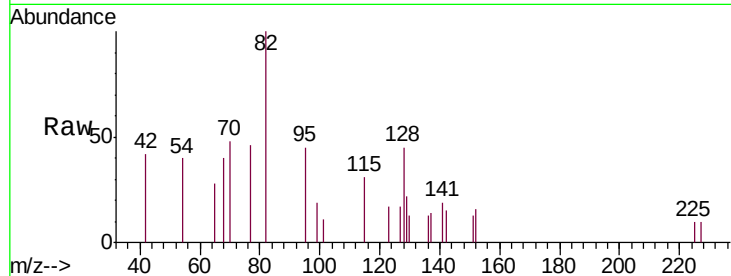
ClientSampleId :

S701-N-0.0-0.5-082019DL

Tot Ion:	82	Resp:	611
Ion	Ratio	Lower	Upper
82	100		
128	44.6	19.7	29.5#
54	39.6	25.8	38.6#

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#11

2-Methylnaphthalene-d10

Concen: 0.038 ng

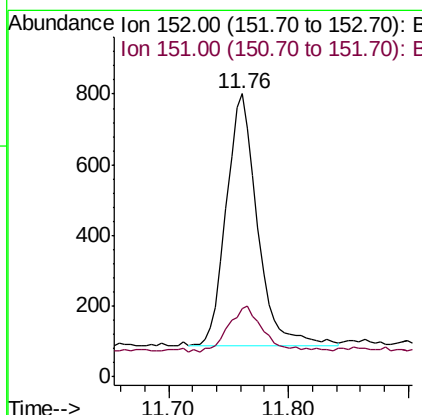
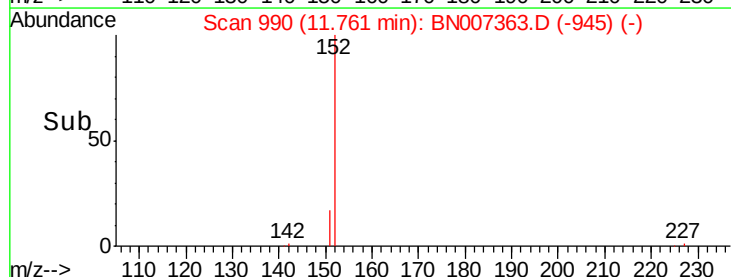
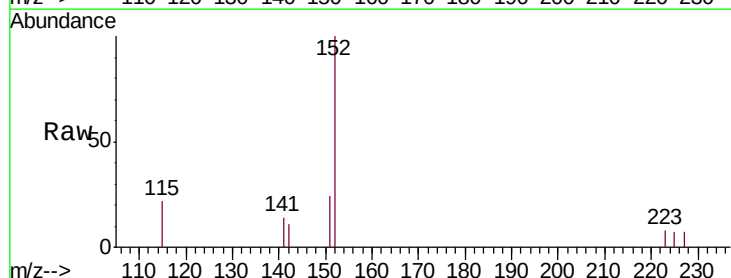
RT: 11.76 min Scan# 990

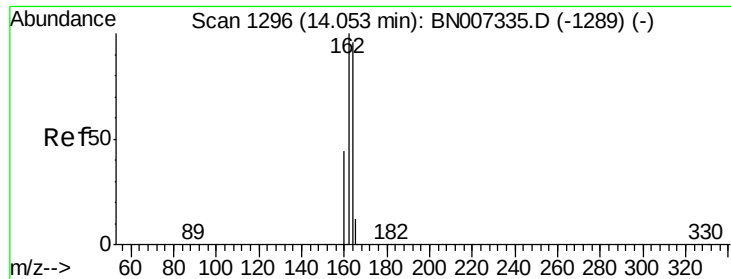
Delta R.T. -0.00 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

Tgt Ion:	152	Resp:	1285
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2





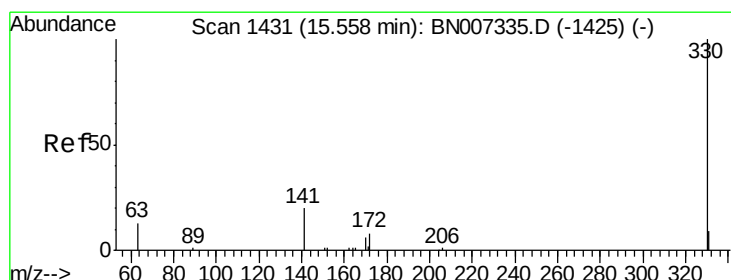
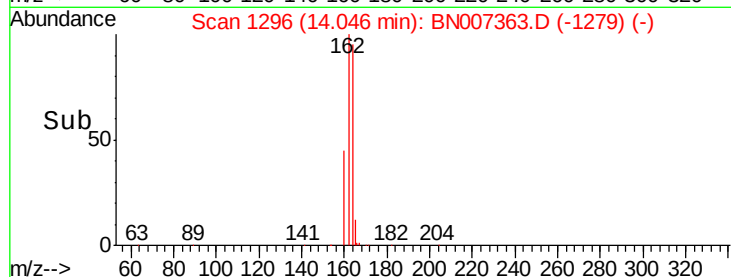
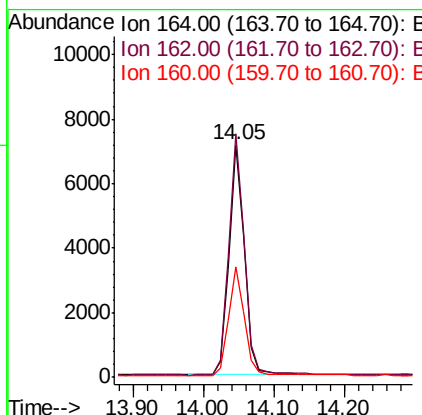
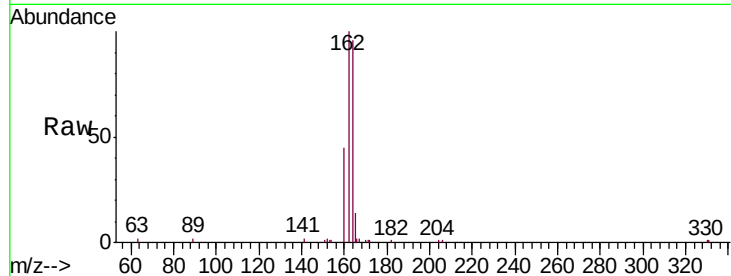
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

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

Tot Ion:	164	Resp:	11063
Ion Ratio	Lower	Upper	
164	100		
162	104.6	83.5	125.3
160	47.4	38.2	57.4

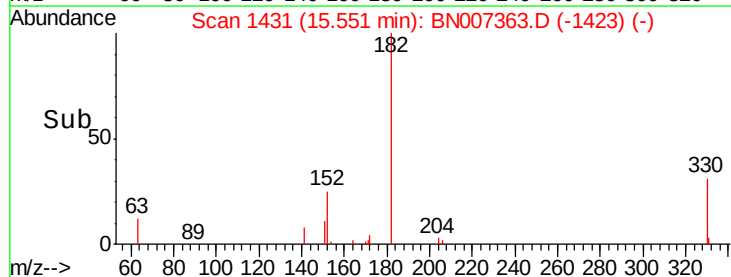
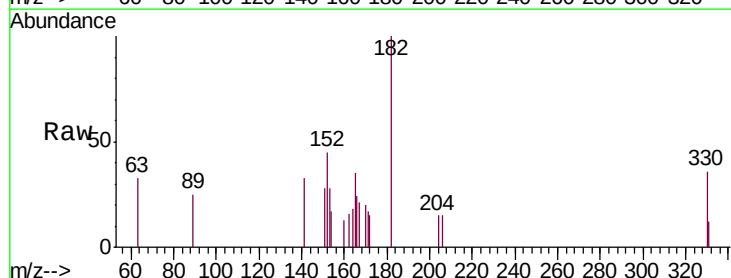
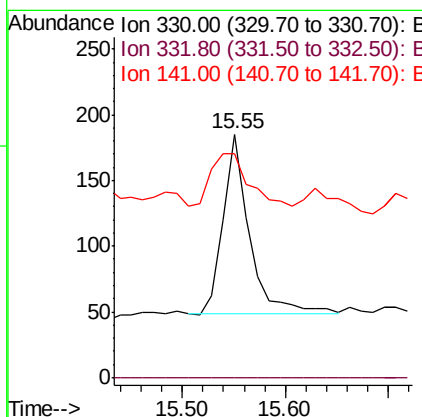
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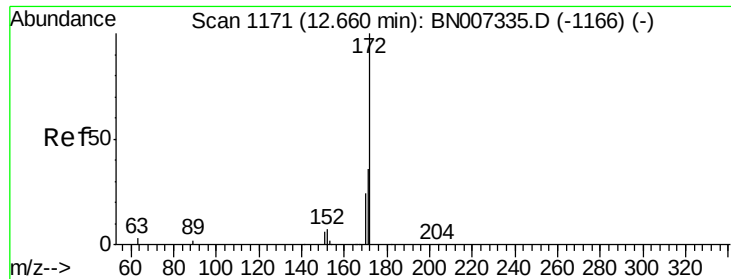
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#14
2,4,6-Tribromophenol
Concen: 0.041 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

Tgt Ion:	330	Resp:	236
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	46.6	26.9	40.3#





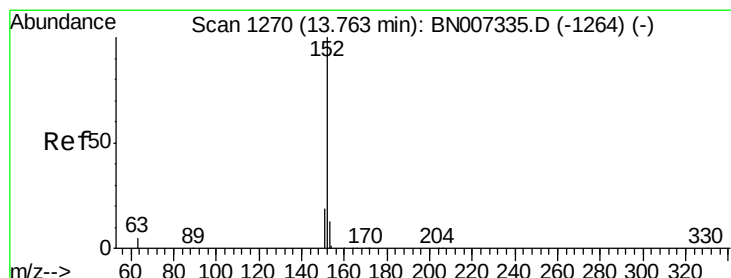
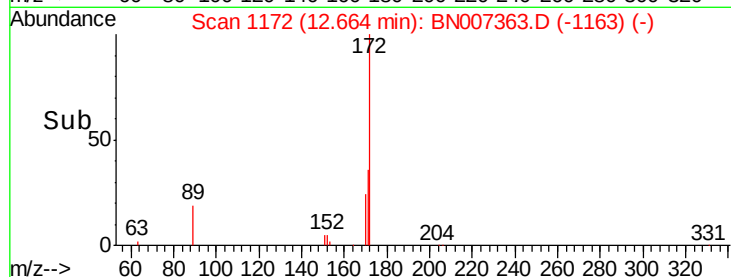
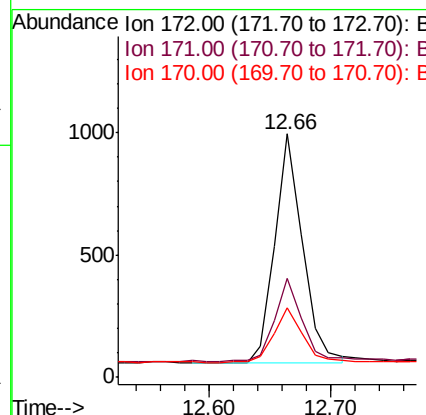
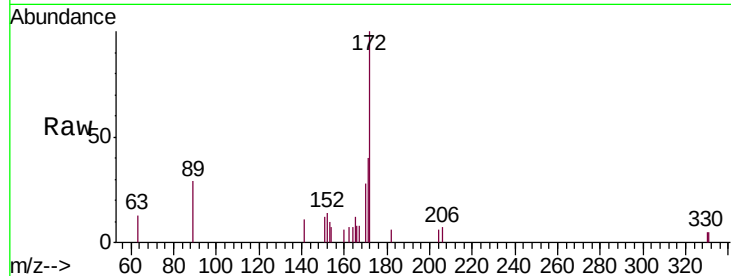
#15
2-Fluorobiphenyl
Concen: 0.034 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.5	30.3	45.5
170	28.3	20.7	31.1

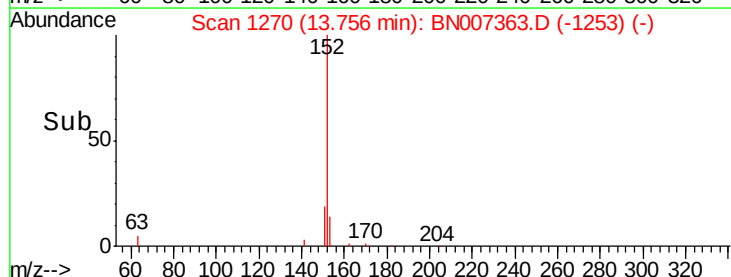
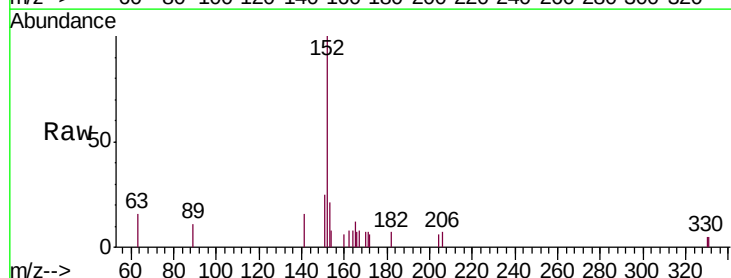
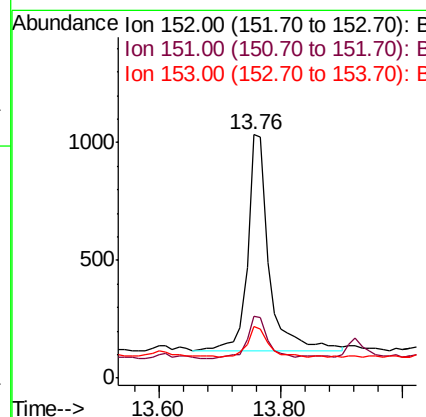
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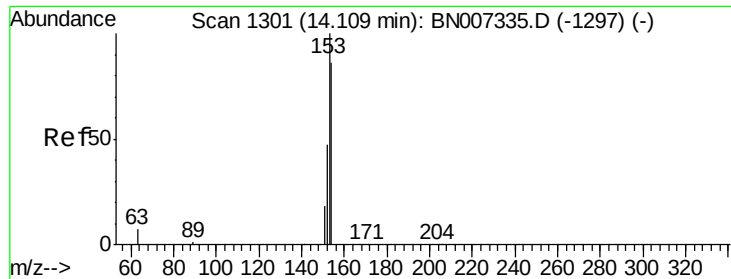
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#16
Acenaphthylene
Concen: 0.034 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.1	24.1
153	13.7	10.6	15.8





#17

Acenaphthene

Concen: 0.088 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

Instrument :

BNA_N

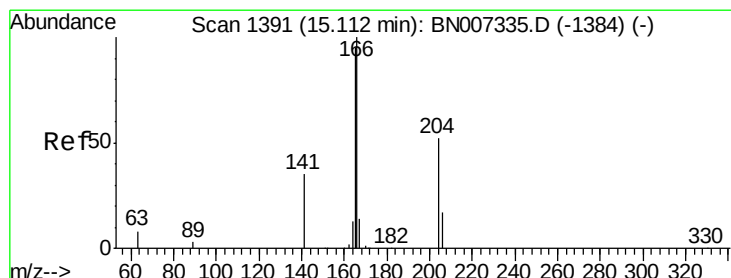
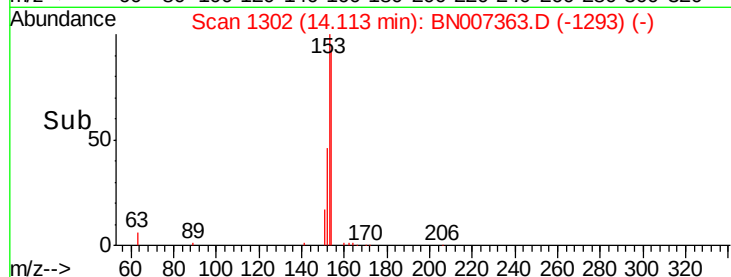
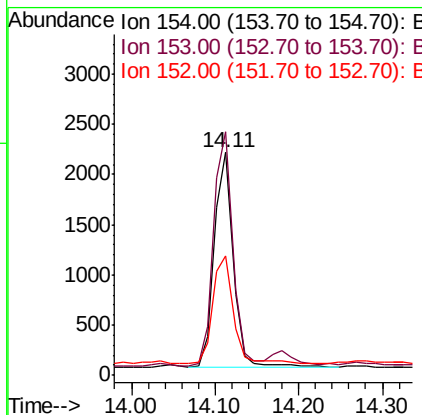
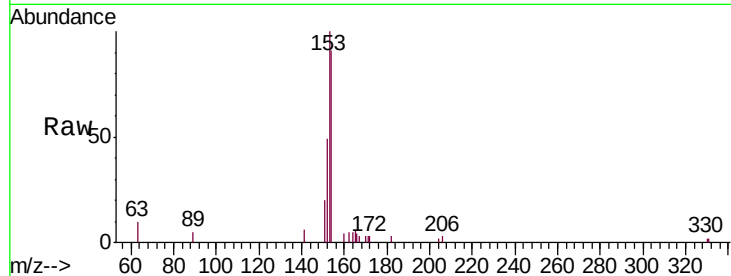
ClientSampleId :

S701-N-0.0-0.5-082019DL

Tot Ion:	154	Resp:	3382
Ion	Ratio	Lower	Upper
154	100		
153	110.9	92.8	139.2
152	54.4	43.8	65.8

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#18

Fluorene

Concen: 0.081 ng

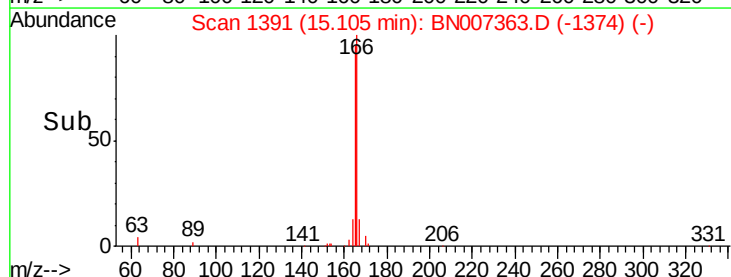
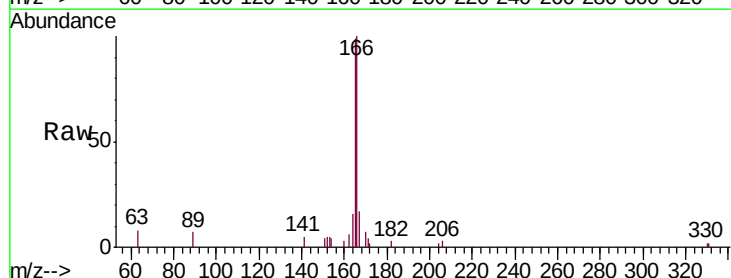
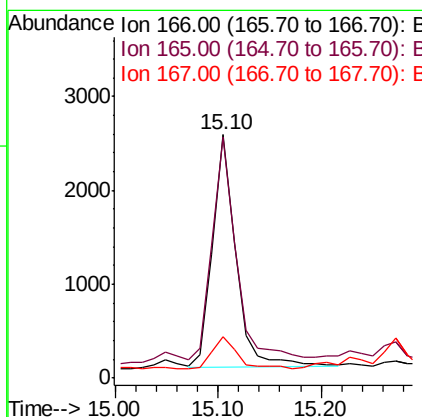
RT: 15.10 min Scan# 1391

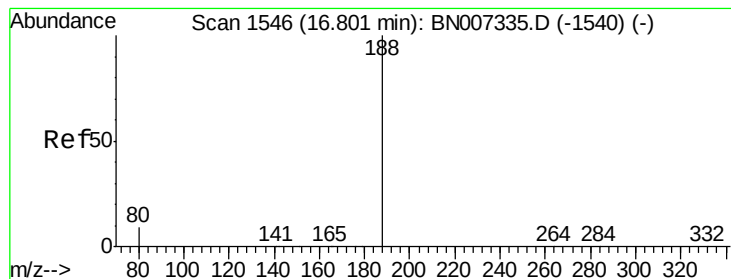
Delta R.T. -0.01 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

Tgt Ion:	166	Resp:	3939
Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.0	118.4
167	14.9	10.6	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

Instrument :

BNA_N

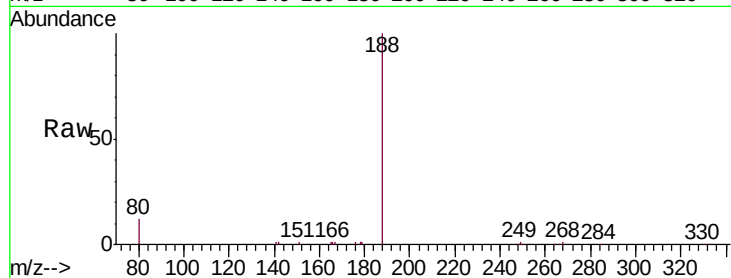
ClientSampleId :

S701-N-0.0-0.5-082019DL

Tot Ion:	188	Resp:	23838
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.1	11.8	17.8

Manual Integrations
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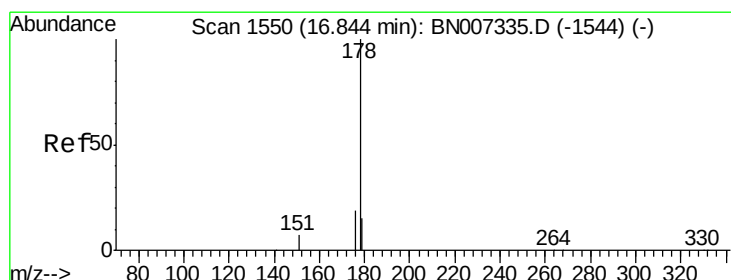
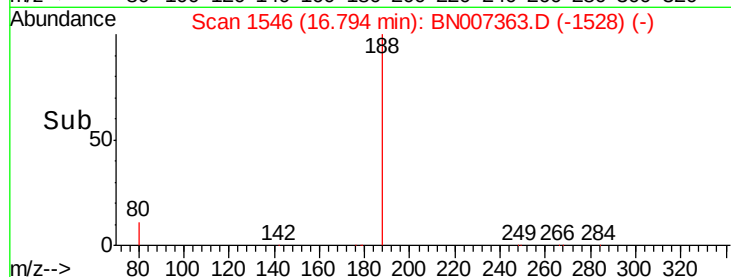
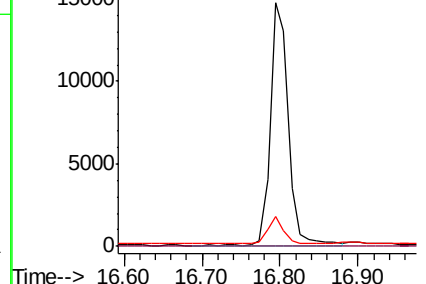
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23

Phenanthrene

Concen: 1.345 ng

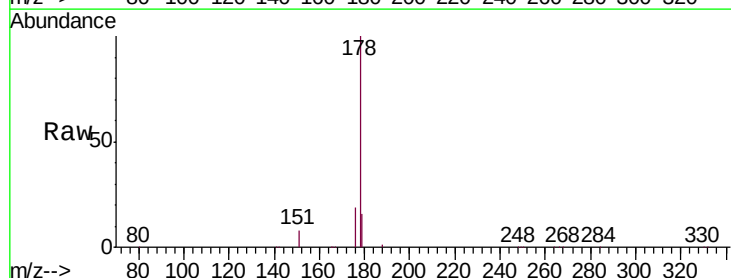
RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

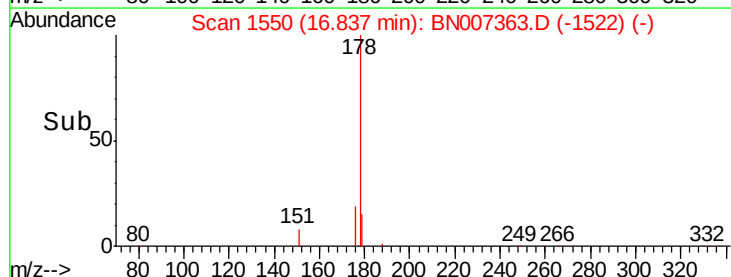
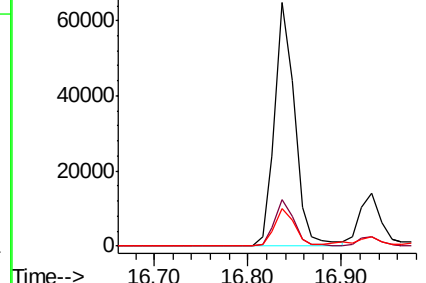
Tgt Ion:	178	Resp:	96454
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.3	22.9
179	15.1	12.6	19.0

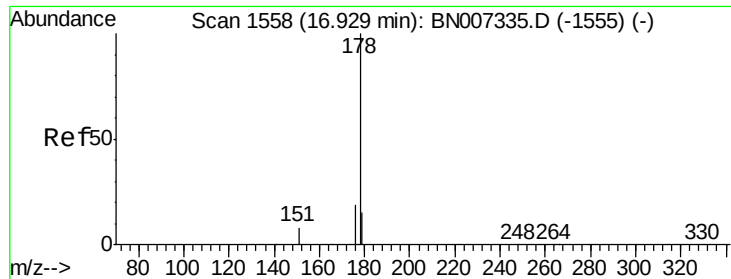


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.267 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

Instrument :

BNA_N

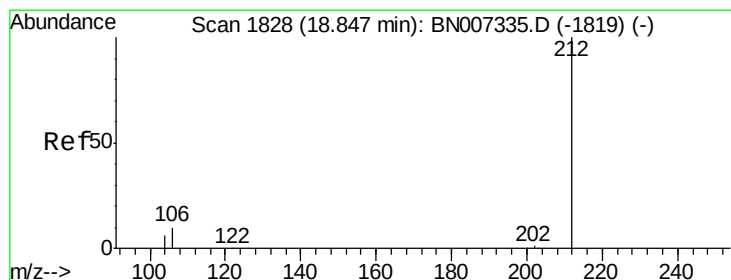
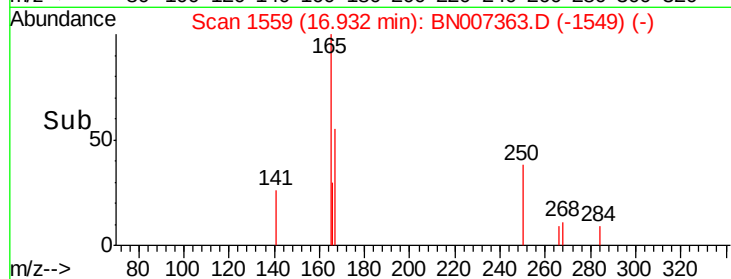
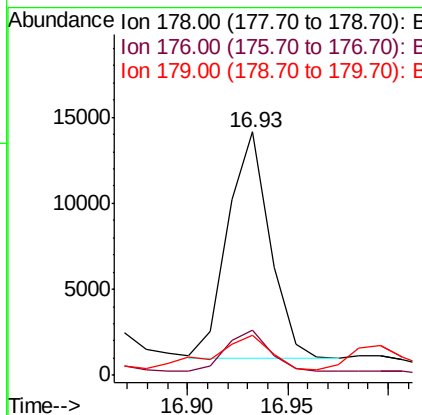
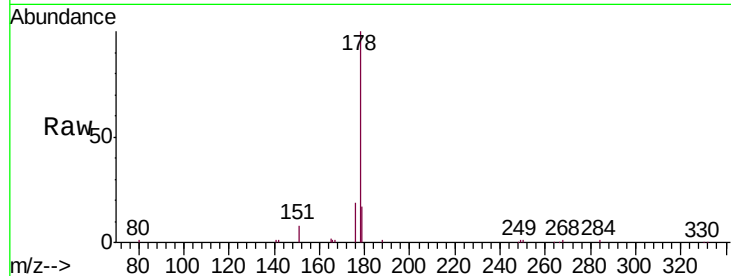
ClientSampleId :

S701-N-0.0-0.5-082019DL

Tot Ion:	178	Resp:	19269
Ion Ratio	Lower	Upper	
178	100		
176	20.3	14.9	22.3
179	20.1	12.4	18.6#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.032 ng

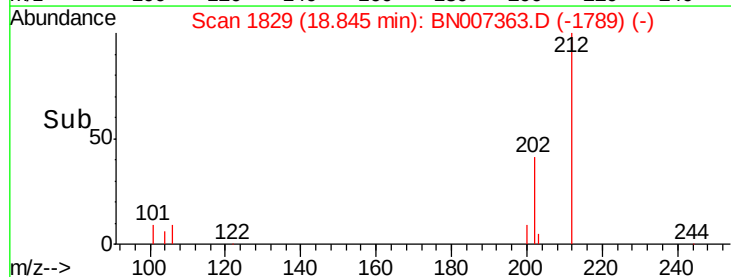
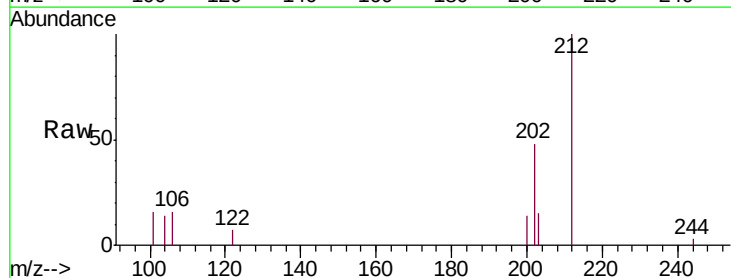
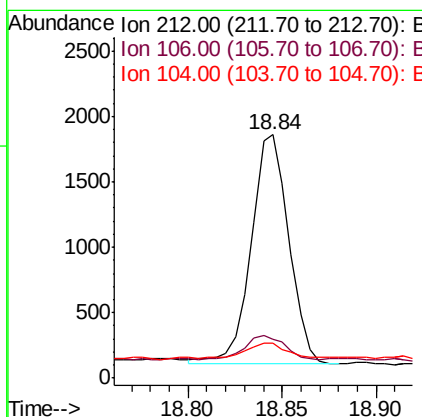
RT: 18.84 min Scan# 1829

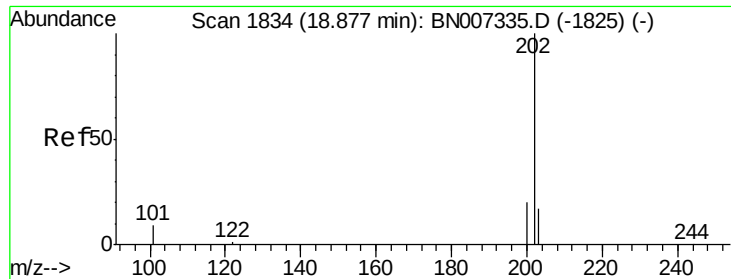
Delta R.T. -0.00 min

Lab File: BN007363.D

Acq: 24 Aug 2019 14:55

Tgt Ion:	212	Resp:	2436
Ion Ratio	Lower	Upper	
212	100		
106	11.3	9.0	13.4
104	8.6	5.4	8.2#





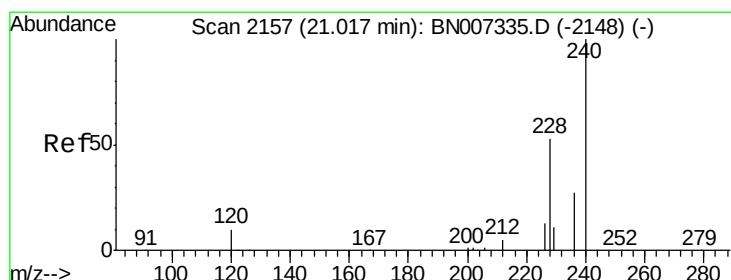
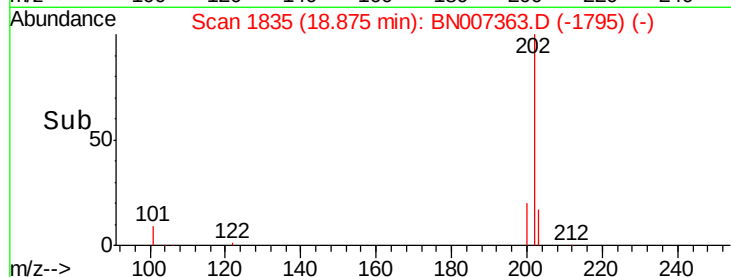
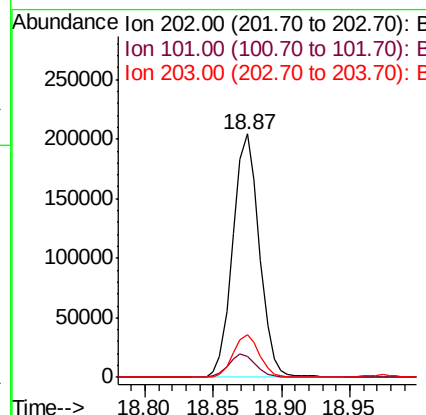
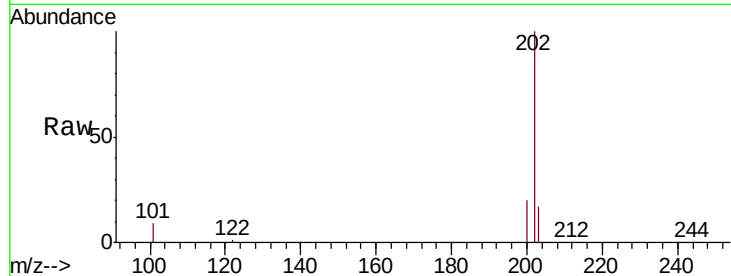
#26
Fluoranthene
 Concen: 2.977 ng
 RT: 18.87 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BN007363.D
 Acq: 24 Aug 2019 14:55

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100	274049		
101	9.5		7.7	11.5
203	17.3		13.7	20.5

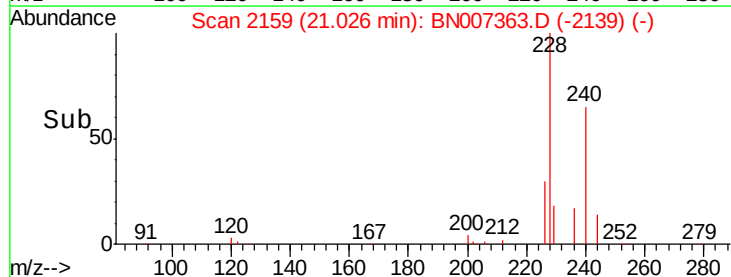
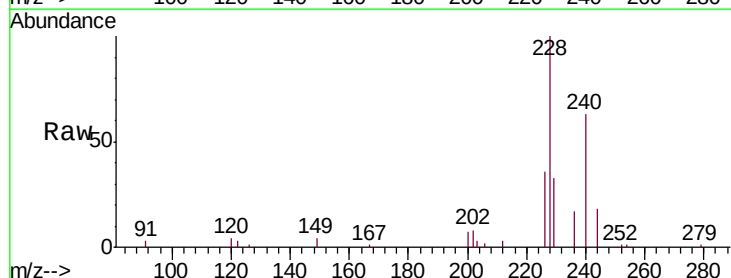
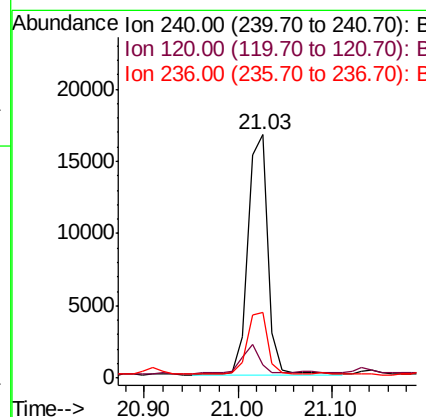
Manual Integrations
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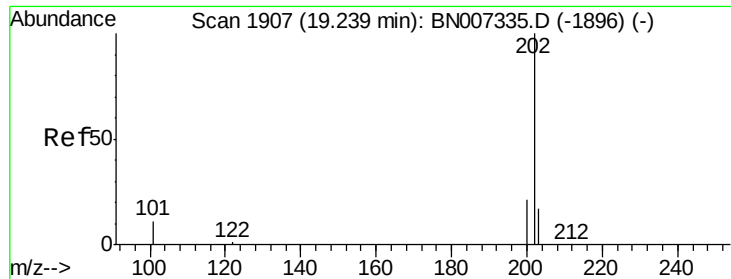
mohammad
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.03 min Scan# 2159
 Delta R.T. 0.01 min
 Lab File: BN007363.D
 Acq: 24 Aug 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	25037		
120	5.6		9.6	14.4#
236	27.0		22.2	33.2





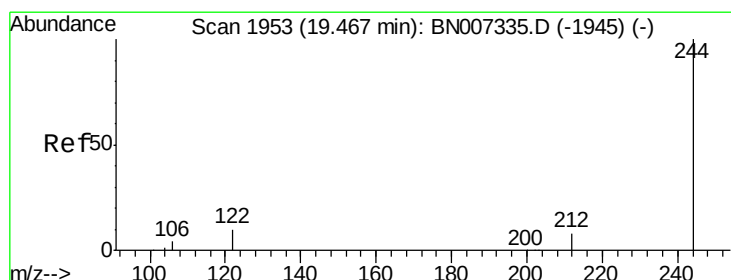
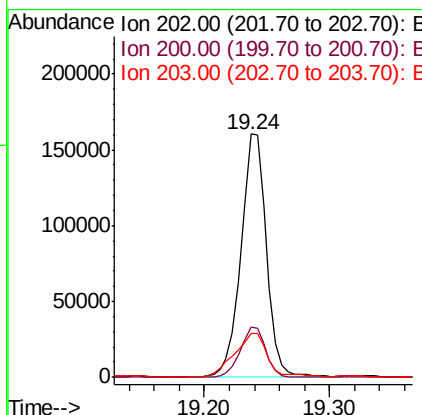
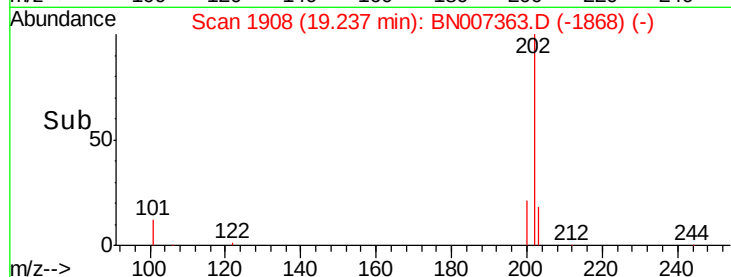
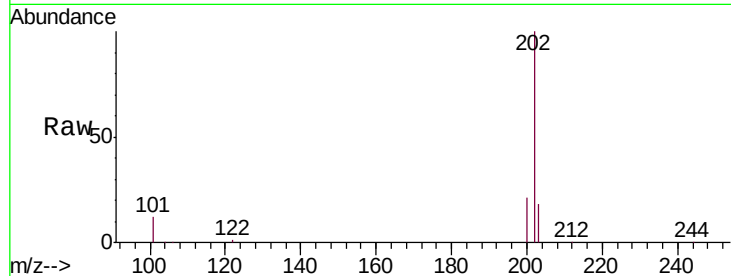
#28
Pvrene
Concen: 2.237 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	16.6	25.0	
203	23.5	14.2	21.4	

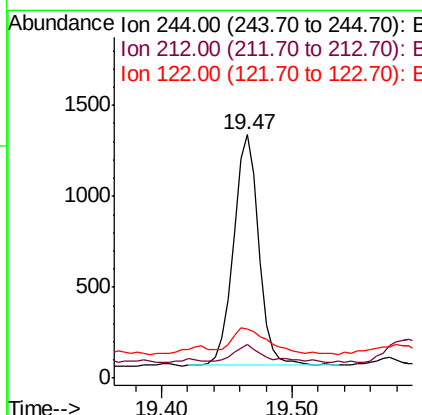
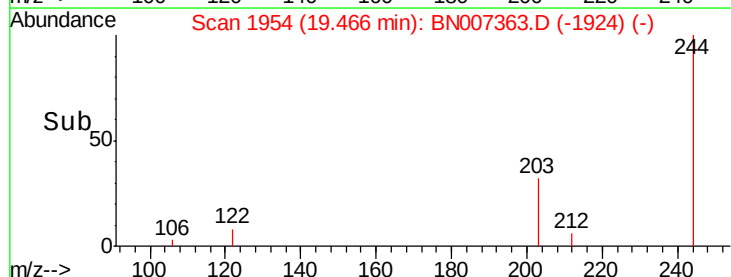
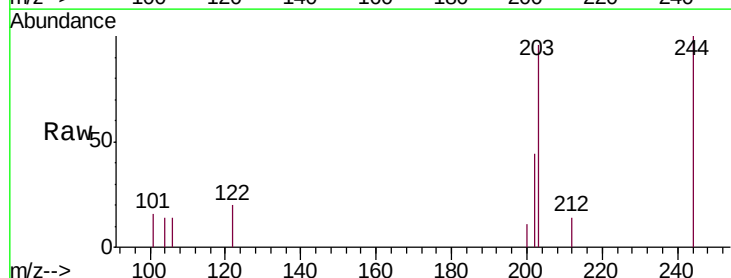
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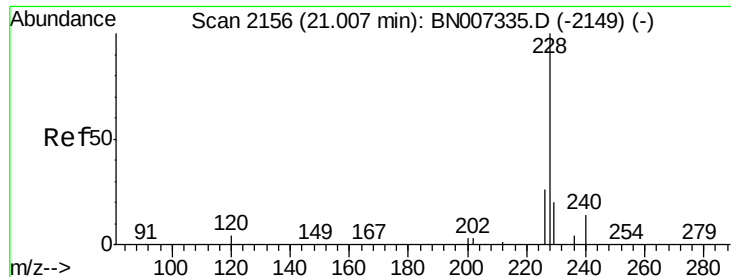
mohammad
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#29
Terphenyl-d14
Concen: 0.026 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	13.7	7.0	10.6	
122	19.9	9.6	14.4	





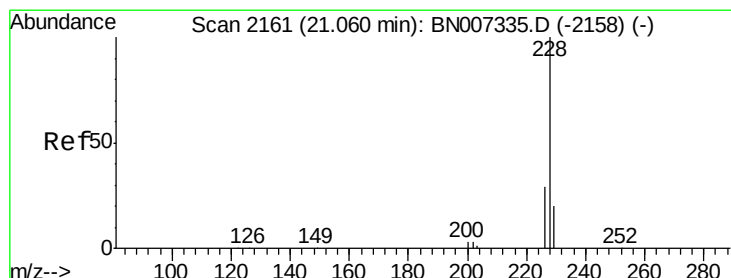
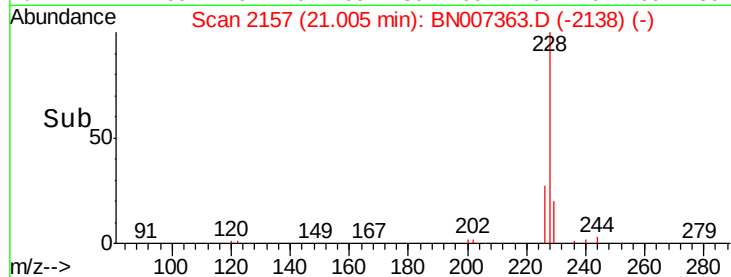
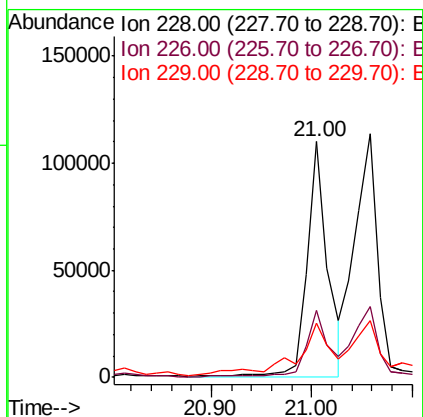
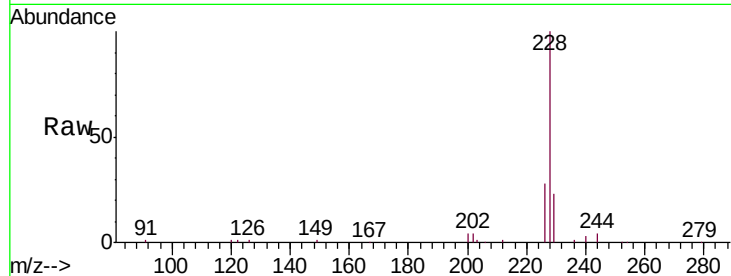
#30
Benzo(a)anthracene
Concen: 1.599 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.3	31.9
229	23.1	16.1	24.1

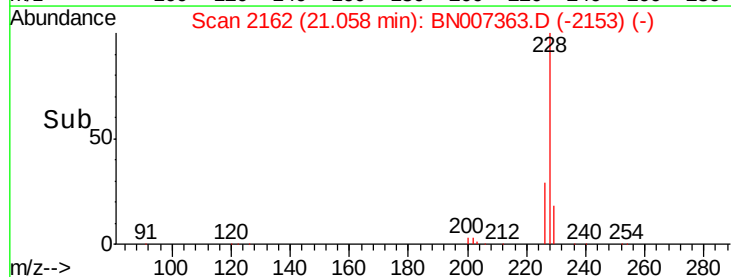
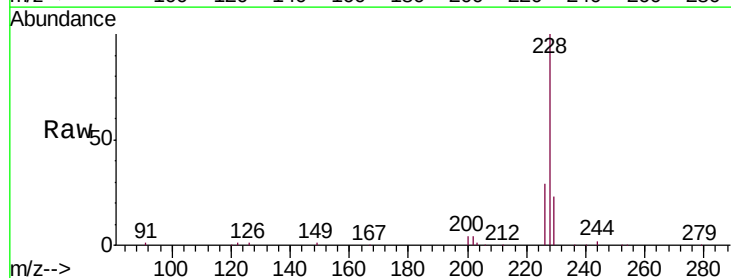
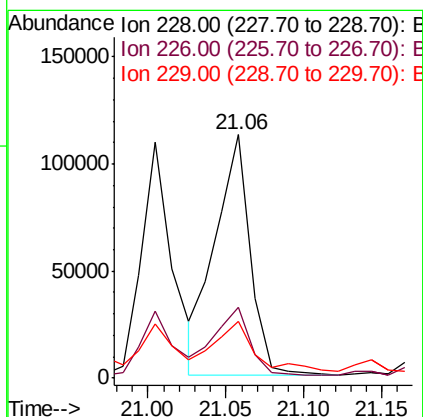
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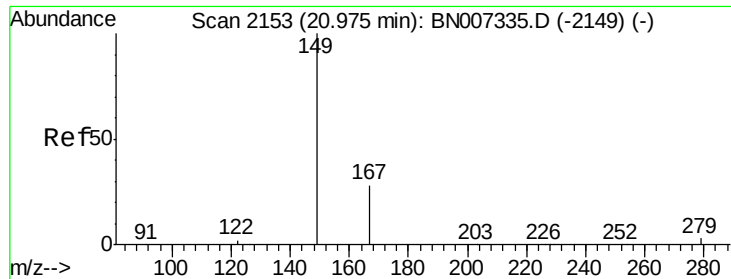
mohammad
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#31
Chrysene
Concen: 1.841 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.5	35.3
229	23.5	16.6	24.8





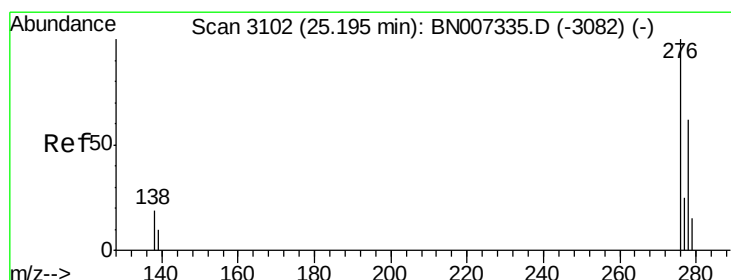
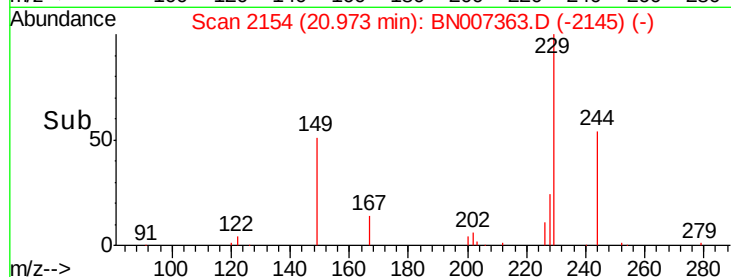
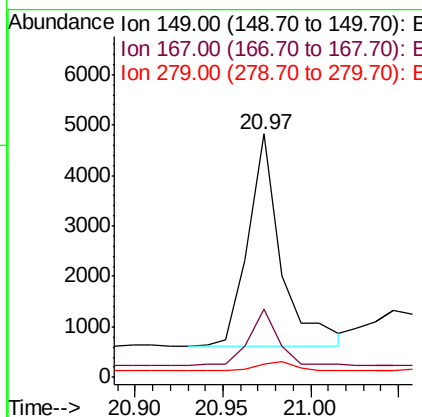
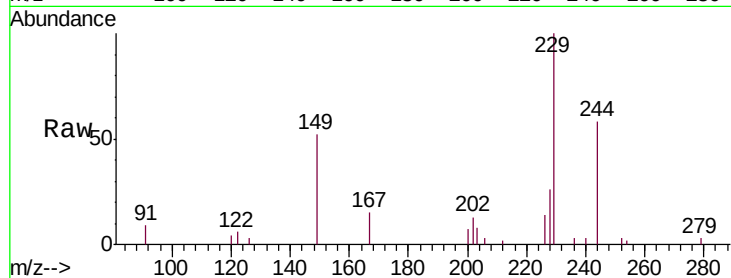
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.067 ng
RT: 20.97 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.6	22.8	34.2
279	4.2	3.5	5.3

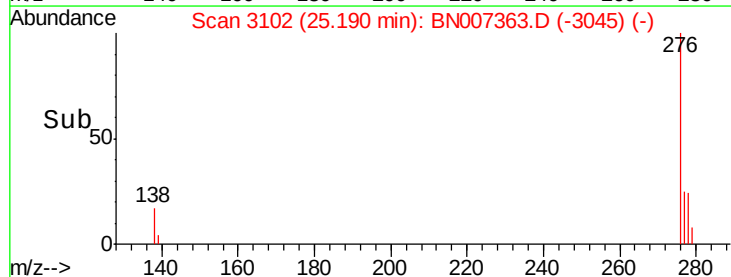
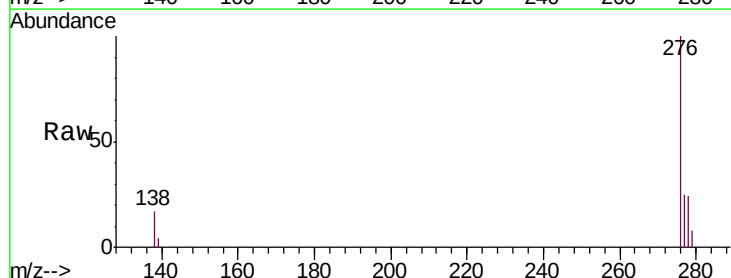
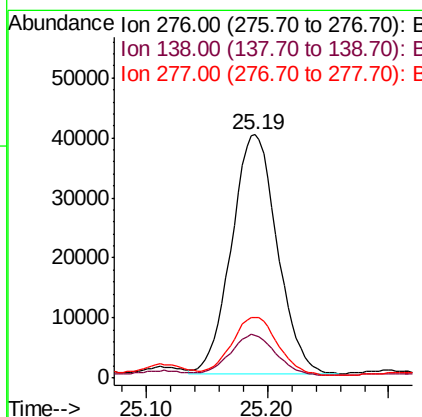
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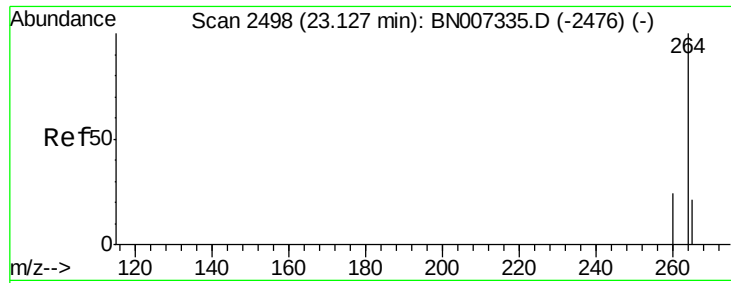
mohammad
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.912 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	15.1	22.7
277	24.7	19.7	29.5





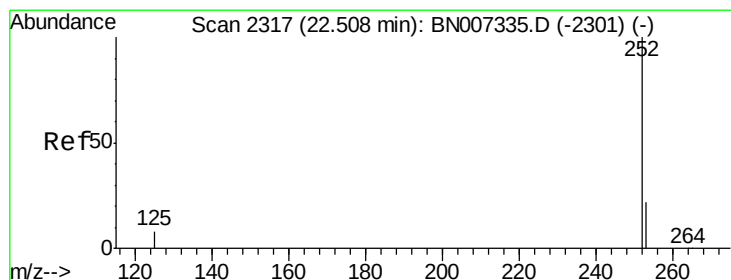
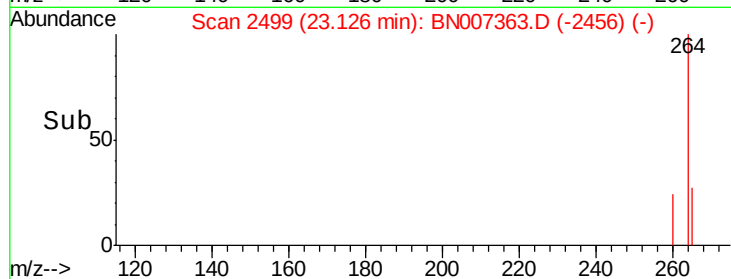
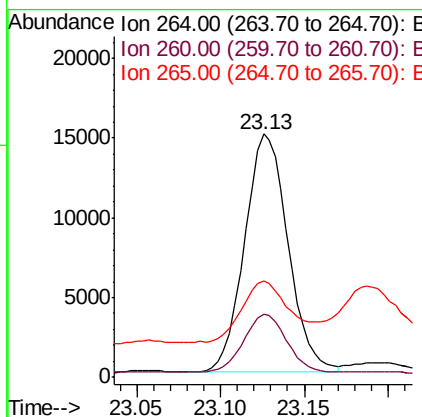
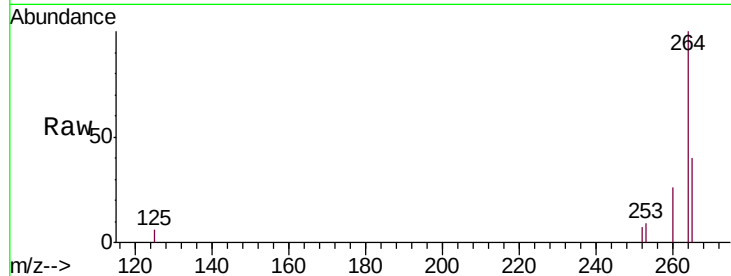
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BN007363.D
 Acq: 24 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.7	29.5
265	39.9	29.9	44.9

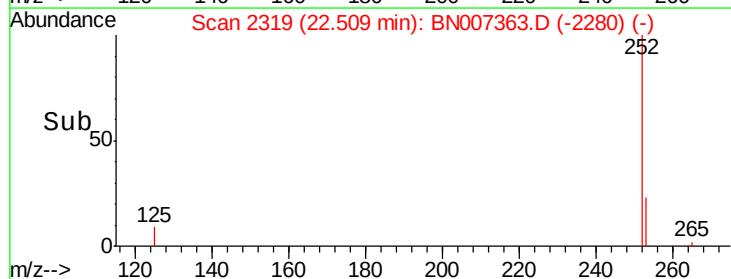
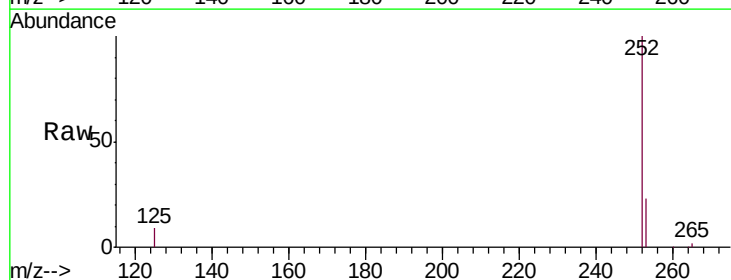
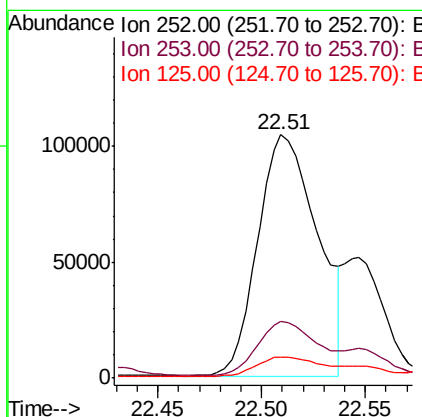
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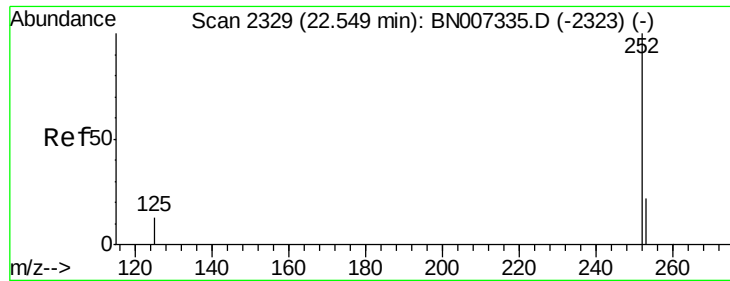
mohammad
 8/31/2019 2:40:03 PM



#35
 Benzo(b)fluoranthene
 Concen: 2.123 ng
 RT: 22.51 min Scan# 2319
 Delta R.T. 0.00 min
 Lab File: BN007363.D
 Acq: 24 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.2	28.8
125	8.8	10.6	16.0





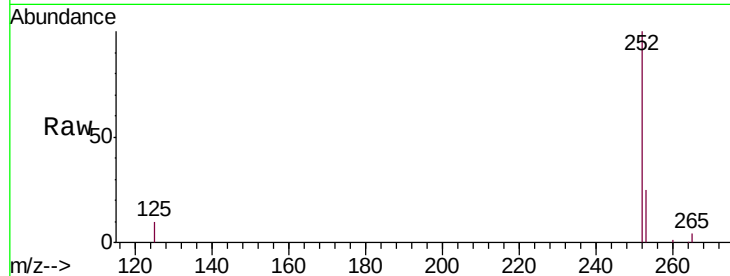
#36
Benzo(k)fluoranthene
Concen: 0.731 ng m
RT: 22.55 min Scan# 2330
Delta R.T. -0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

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

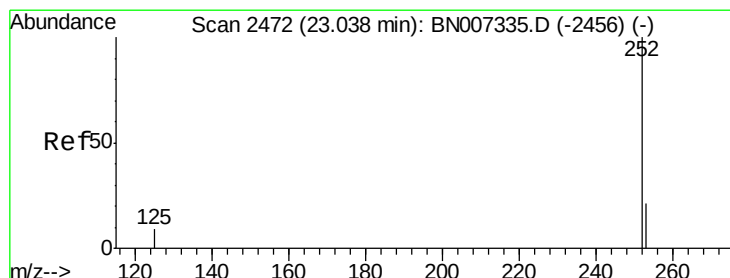
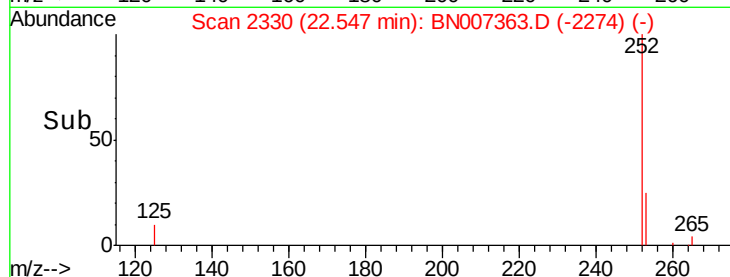
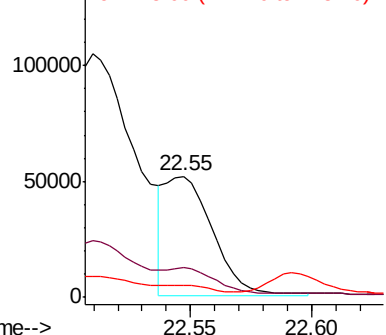
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.4	29.2
125	10.1	13.1	19.7#

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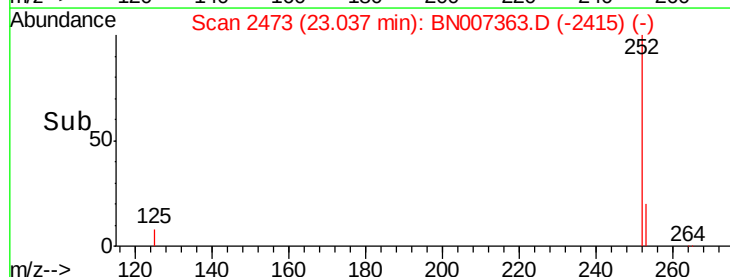
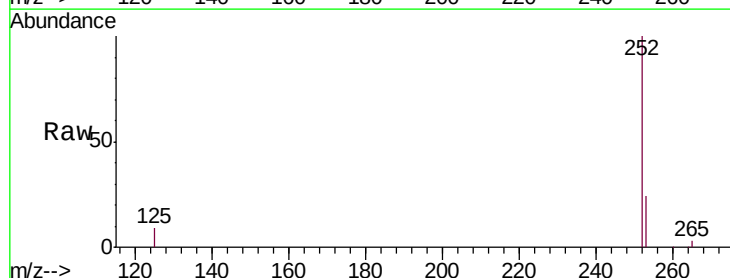
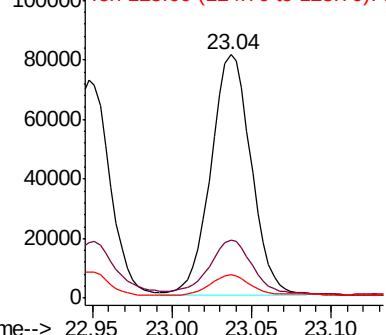
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

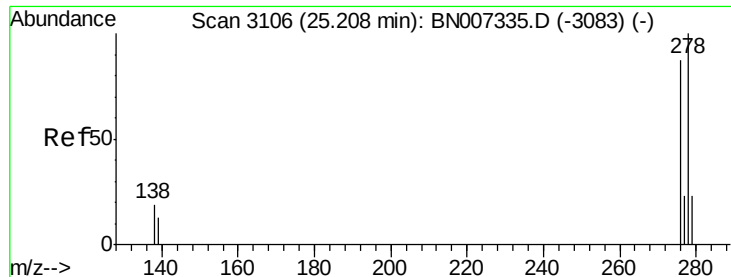


#37
Benzo(a)pyrene
Concen: 1.524 ng m
RT: 23.04 min Scan# 2473
Delta R.T. -0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.5	29.3
125	9.5	12.1	18.1#

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





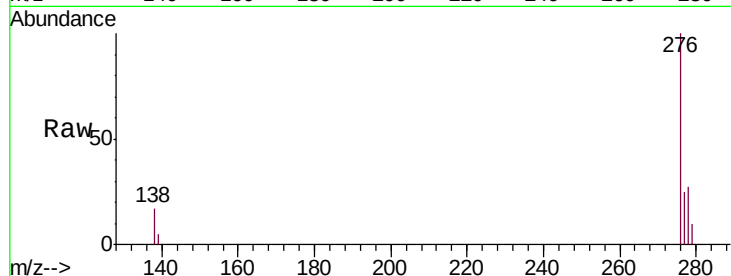
#38
Dibenzo(a,h)anthracene
Concen: 0.325 ng
RT: 25.20 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.7	20.5
279	35.4	20.2	30.4

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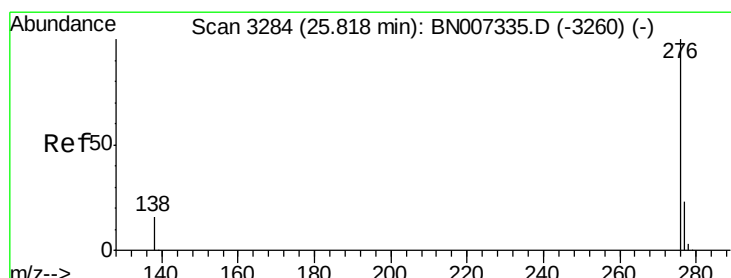
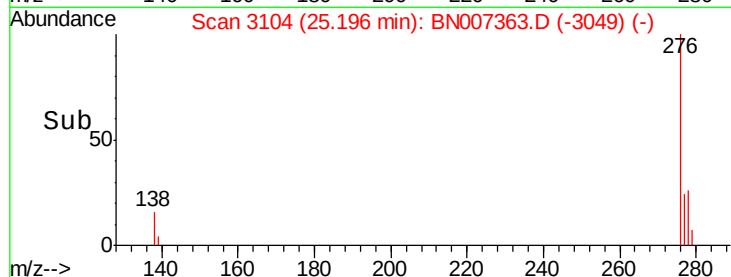
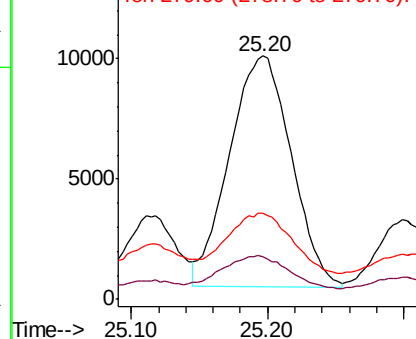


Abundance

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(g,h,i)perylene
Concen: 1.169 ng
RT: 25.82 min Scan# 3285
Delta R.T. -0.00 min
Lab File: BN007363.D
Acq: 24 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.6	29.4
138	17.2	16.3	24.5

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

