

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
 Data File : BN007366.D
 Acq On : 24 Aug 2019 16:43
 Operator : HP/JU
 Sample : K4440-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019

Manual Integrations
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Quant Time: Aug 25 00:23:44 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	5748	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	24550	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	13625	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	30412	0.40	ng	0.00
27) Chrysene-d12	21.02	240	29286	0.40	ng	0.00
34) Perylene-d12	23.13	264	32161	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	5233	0.25	ng	0.00
5) Phenol-d6	6.59	99	6847	0.26	ng	0.00
8) Nitrobenzene-d5	8.53	82	5213	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	9967	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1839	0.26	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	12320	0.22	ng	0.00
25) Fluoranthene-d10	18.84	212	19369	0.20	ng	0.00
29) Terphenyl-d14	19.47	244	13507	0.18	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	2662	0.038	ng	# 94
12) 2-Methylnaphthalene	11.83	142	1799	0.038	ng	# 95
16) Acenaphthylene	13.76	152	2888	0.036	ng	# 97
23) Phenanthrene	16.84	178	19633	0.215	ng	99
24) Anthracene	16.93	178	4948	0.054	ng	# 95
26) Fluoranthene	18.87	202	64549	0.550	ng	99
28) Pyrene	19.24	202	57010	0.484	ng	# 96
30) Benzo(a)anthracene	21.00	228	38567	0.335	ng	96
31) Chrysene	21.06	228	33334	0.300	ng	97
32) Bis(2-ethylhexyl)phthalate	20.97	149	28961	0.370	ng	98
33) Indeno(1,2,3-cd)pyrene	25.19	276	25846	0.193	ng	97
35) Benzo(b)fluoranthene	22.51	252	52427	0.450	ng	97
36) Benzo(k)fluoranthene	22.55	252	16711m	0.145	ng	
37) Benzo(a)pyrene	23.03	252	33838	0.305	ng	# 96
38) Dibenzo(a,h)anthracene	25.20	278	6781	0.061	ng	# 48
39) Benzo(g,h,i)perylene	25.81	276	25766	0.234	ng	97

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

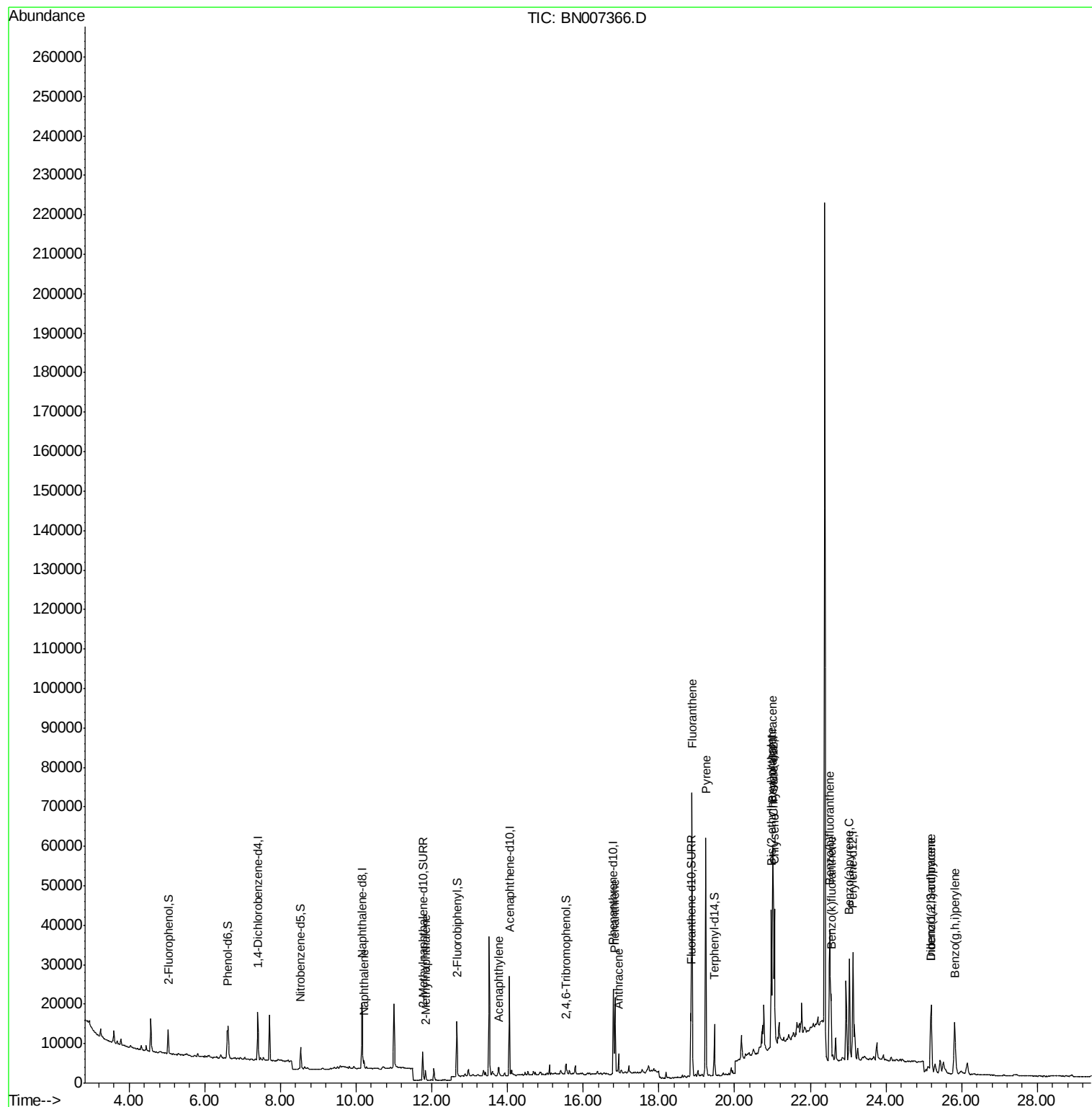
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
Data File : BN007366.D
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ALS Vial : 8 Sample Multiplier: 1

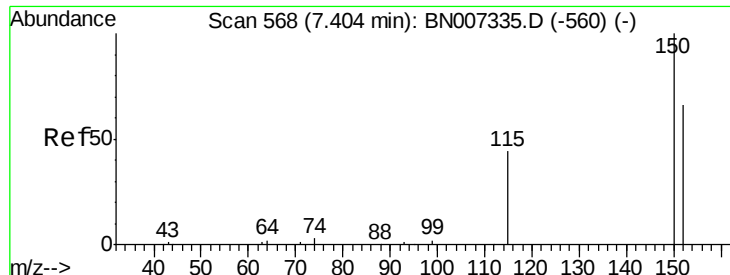
Instrument :
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#1

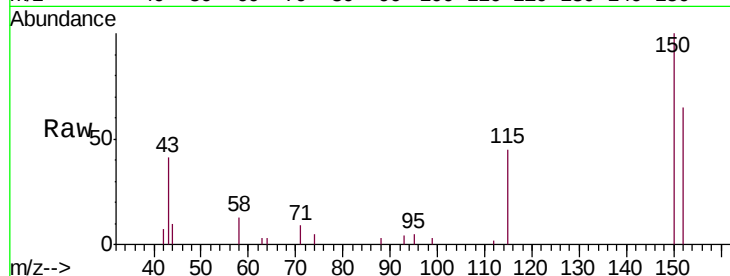
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019

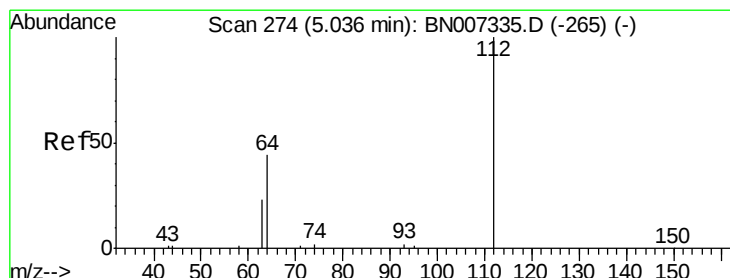
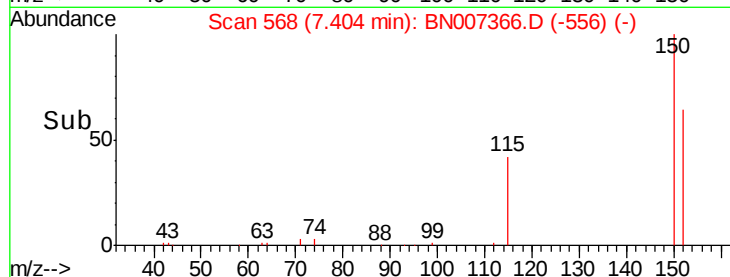
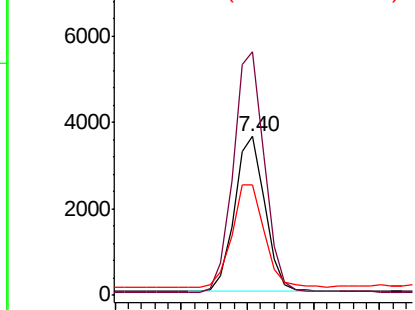
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	109.1	163.7
115	69.4	59.6	89.4

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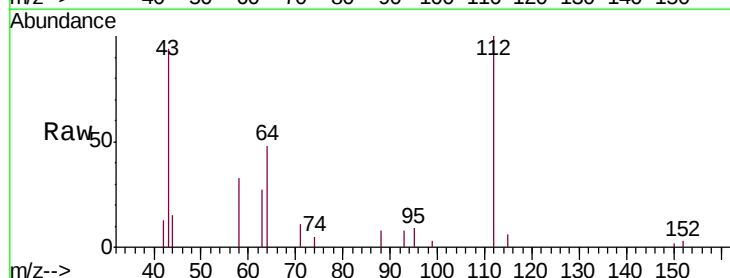
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



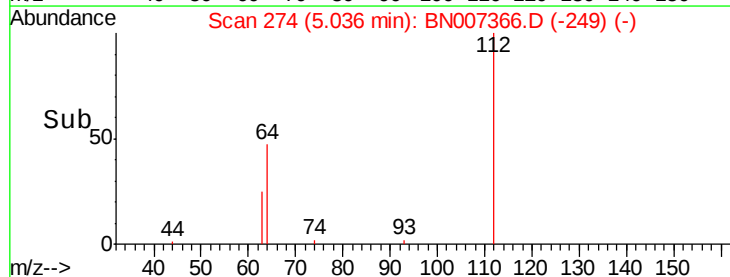
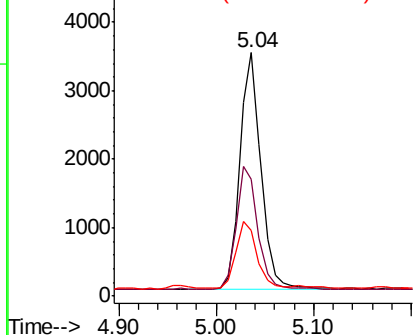
#4

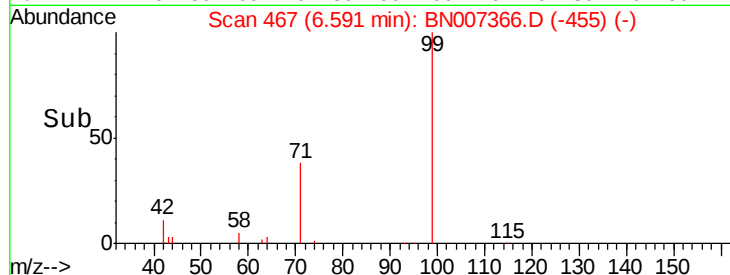
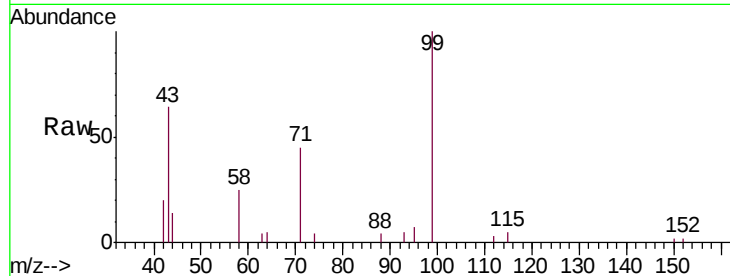
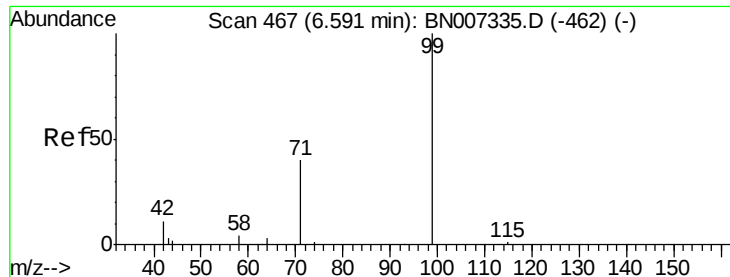
2-Fluorophenol
Concen: 0.252 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	42.3	63.5
63	28.3	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: 0.259 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007366.D

Acq: 24 Aug 2019 16:43

Tot Ion:	99	Resp:	6847
Ion	Ratio	Lower	Upper
99	100		
42	17.1	11.2	16.8#
71	35.4	31.8	47.8

Instrument :

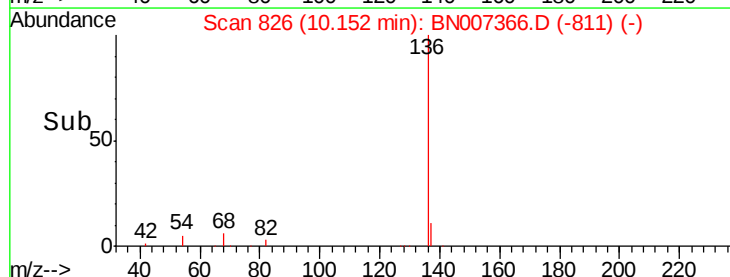
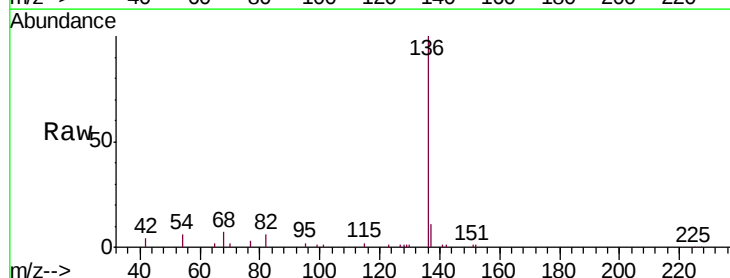
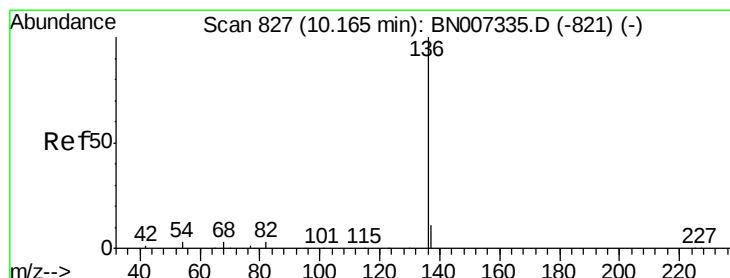
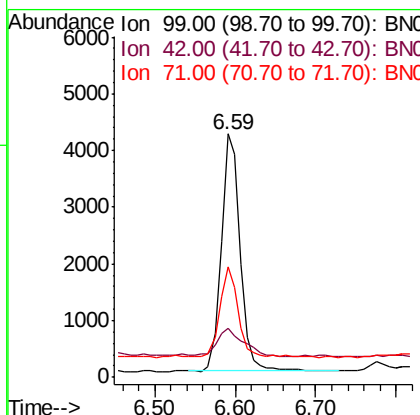
BNA_N

ClientSampleId :

S302-J-2.0-2.5-082019

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#7

Naphthalene-d8

Concen: 0.400 ng

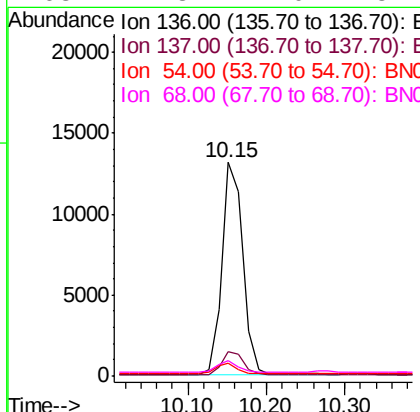
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007366.D

Acq: 24 Aug 2019 16:43

Tgt Ion:	136	Resp:	24550
Ion	Ratio	Lower	Upper
136	100		
137	11.4	12.9	19.3#
54	5.8	8.6	12.8#
68	7.3	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.244 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007366.D

Acq: 24 Aug 2019 16:43

Instrument :

BNA_N

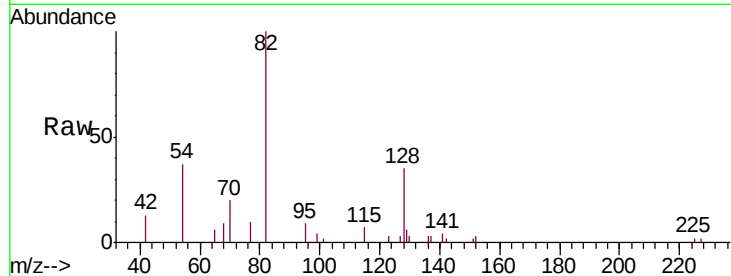
ClientSampleId :

S302-J-2.0-2.5-082019

Tot Ion:	82	Resp:	5213
Ion Ratio	Lower	Upper	
82	100		
128	35.1	19.7	29.5#
54	36.6	25.8	38.6

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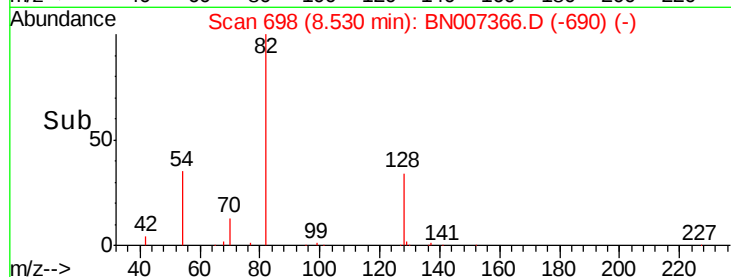


Abundance Ion 82.00 (81.70 to 82.70): BN007335.D (-695) (-)

Ion 128.00 (127.70 to 128.70): BN007335.D (-695) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-695) (-)

Time-->

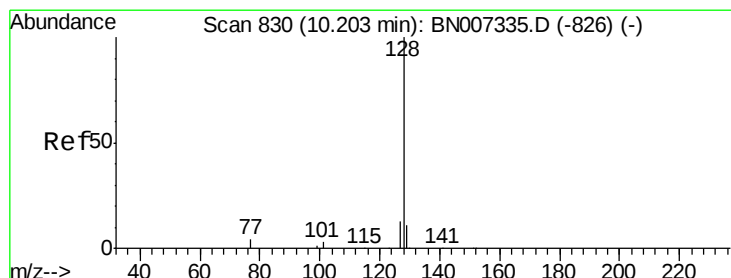


Abundance Ion 82.00 (81.70 to 82.70): BN007366.D (-690) (-)

Ion 128.00 (127.70 to 128.70): BN007366.D (-690) (-)

Ion 54.00 (53.70 to 54.70): BN007366.D (-690) (-)

Time-->



#9

Naphthalene

Concen: 0.038 ng

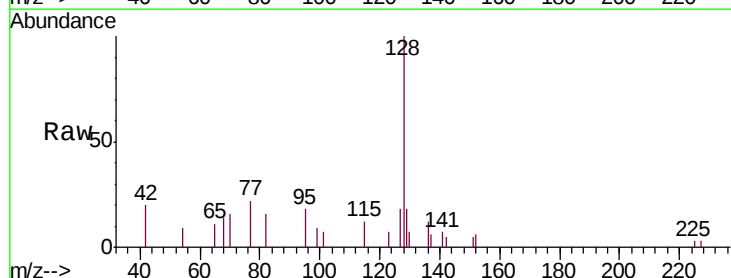
RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007366.D

Acq: 24 Aug 2019 16:43

Tgt Ion:	128	Resp:	2662
Ion Ratio	Lower	Upper	
128	100		
129	17.7	11.1	16.7#
127	18.0	15.5	23.3

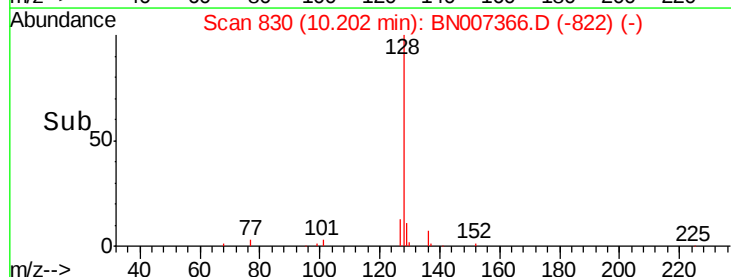


Abundance Ion 128.00 (127.70 to 128.70): BN007335.D (-826) (-)

Ion 129.00 (128.70 to 129.70): BN007335.D (-826) (-)

Ion 127.00 (126.70 to 127.70): BN007335.D (-826) (-)

Time-->

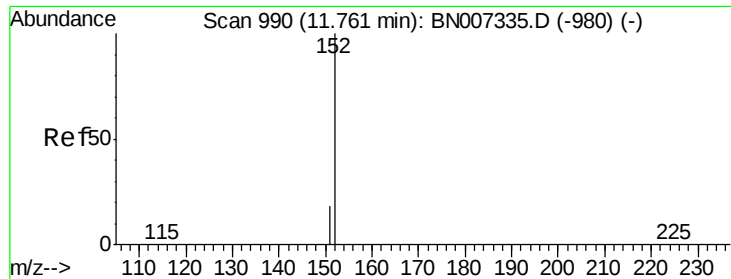


Abundance Ion 128.00 (127.70 to 128.70): BN007366.D (-822) (-)

Ion 129.00 (128.70 to 129.70): BN007366.D (-822) (-)

Ion 127.00 (126.70 to 127.70): BN007366.D (-822) (-)

Time-->



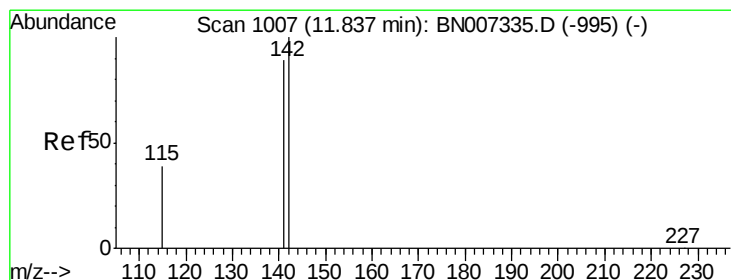
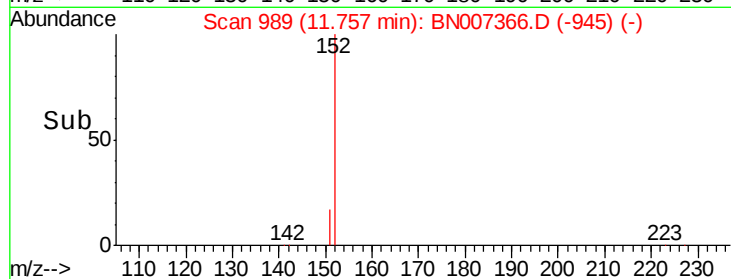
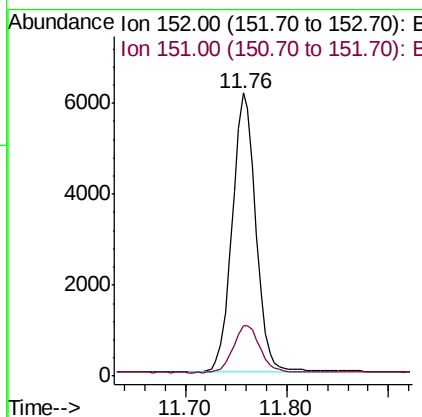
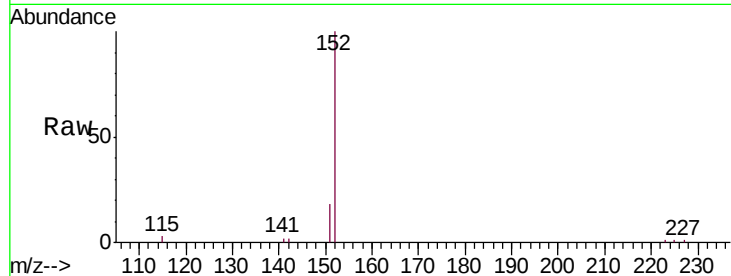
#11
2-Methylnaphthalene-d10
Concen: 0.244 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.2	24.2

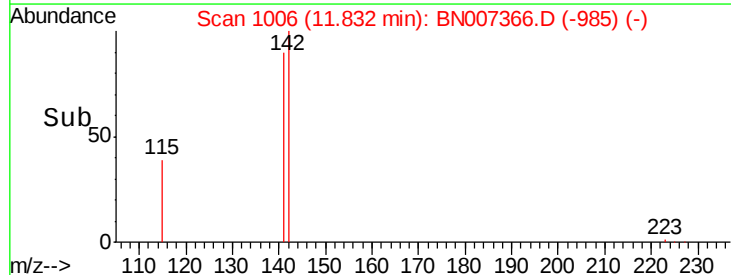
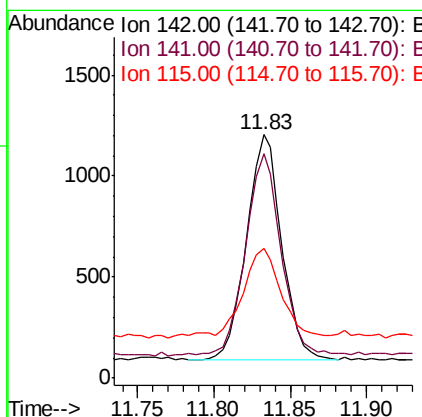
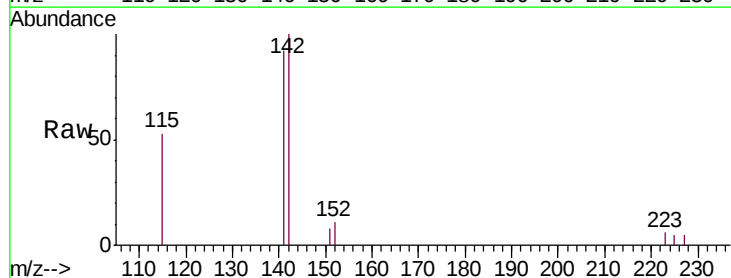
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#12
2-Methylnaphthalene
Concen: 0.038 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.8	109.2
115	53.0	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: BN007366.D

Acq: 24 Aug 2019 16:43

Instrument :

BNA_N

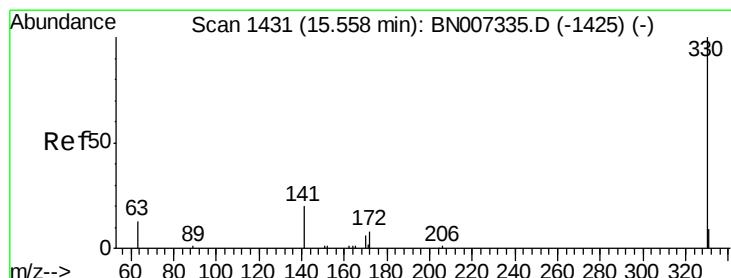
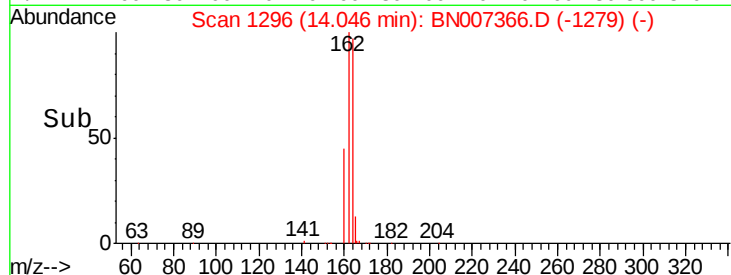
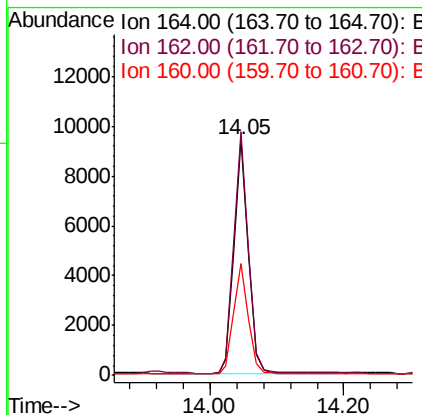
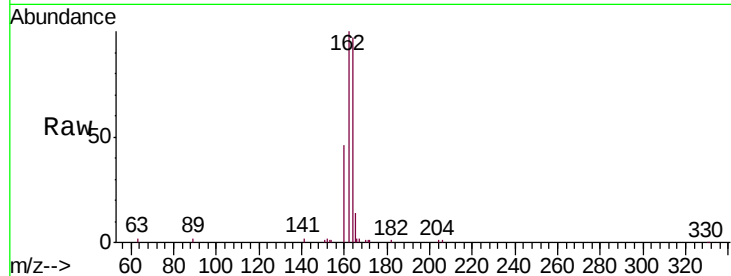
ClientSampleId :

S302-J-2.0-2.5-082019

Tot Ion:	164	Resp:	13625
Ion Ratio	Lower	Upper	
164	100		
162	103.2	83.5	125.3
160	47.3	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.258 ng

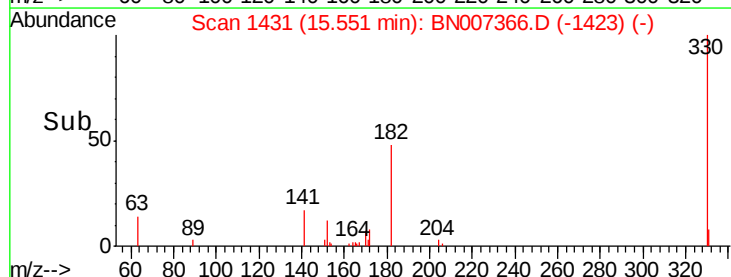
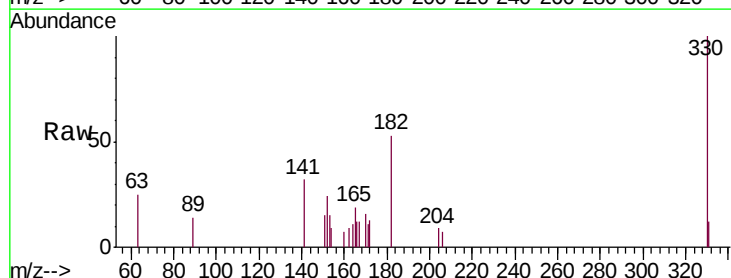
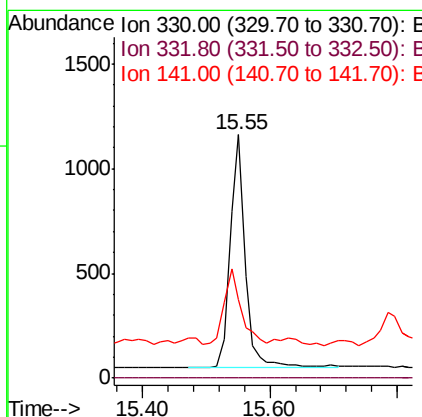
RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007366.D

Acq: 24 Aug 2019 16:43

Tgt Ion:	330	Resp:	1839
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	35.8	26.9	40.3





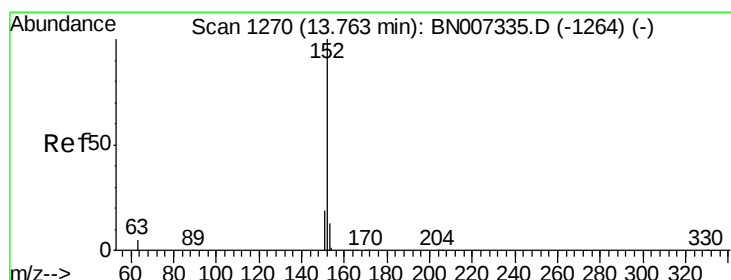
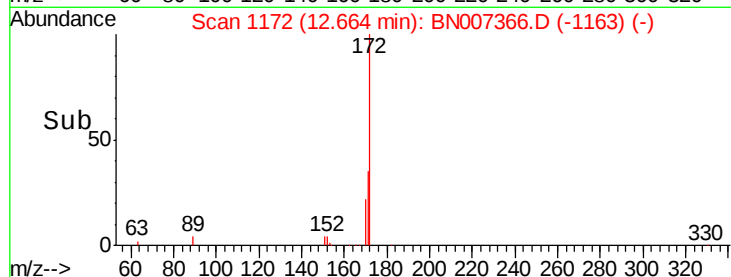
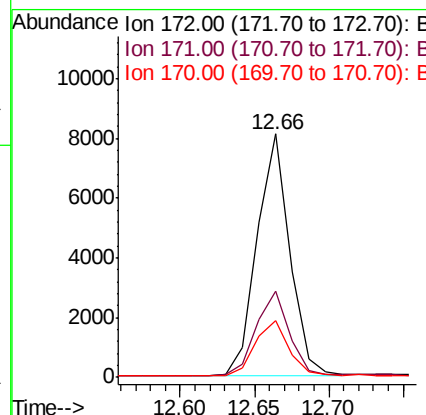
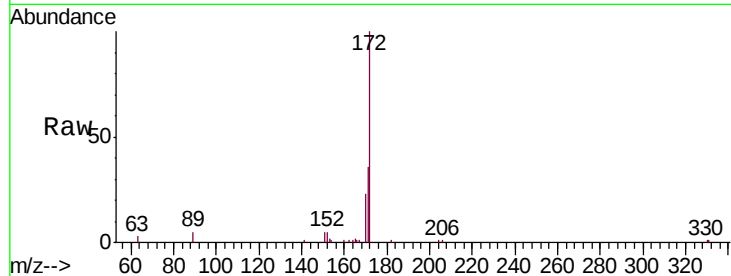
#15
2-Fluorobiphenyl
Concen: 0.224 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.3	45.5
170	23.1	20.7	31.1

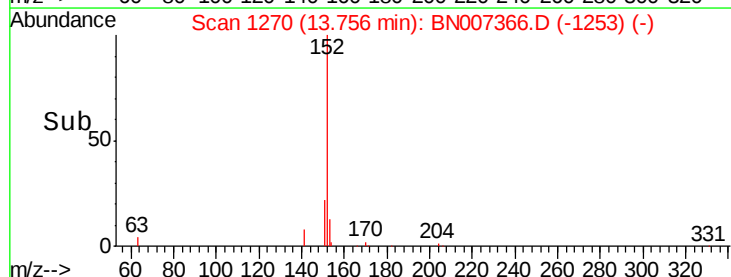
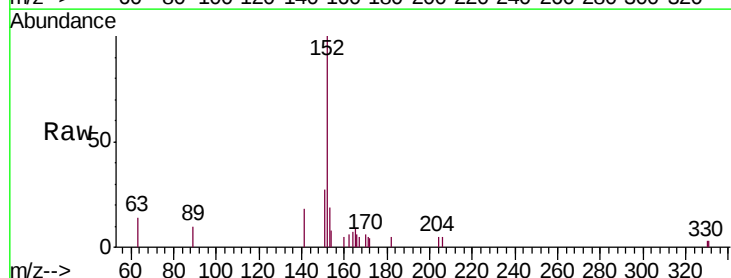
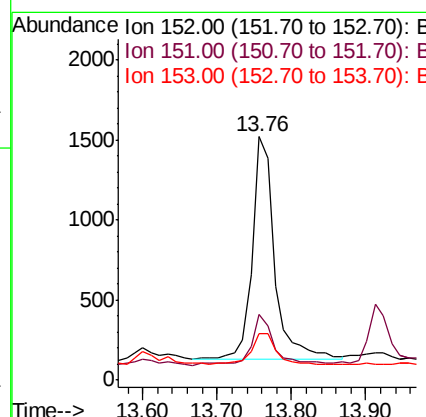
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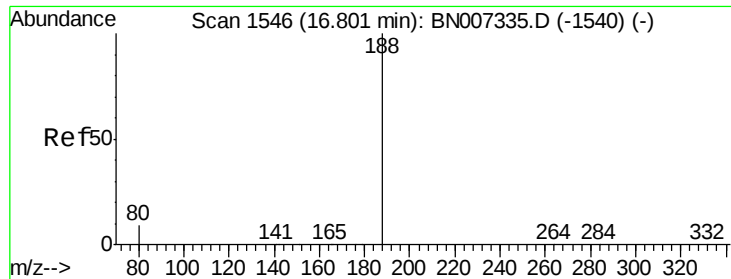
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#16
Acenaphthylene
Concen: 0.036 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	16.0	10.6	15.8#





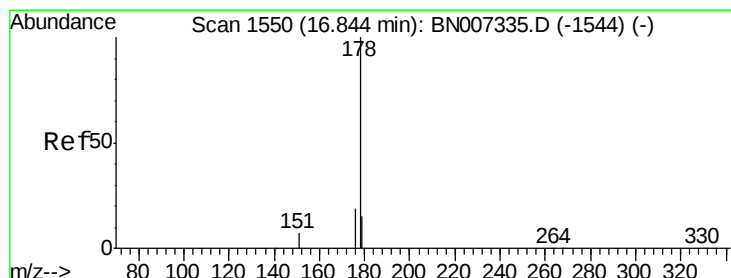
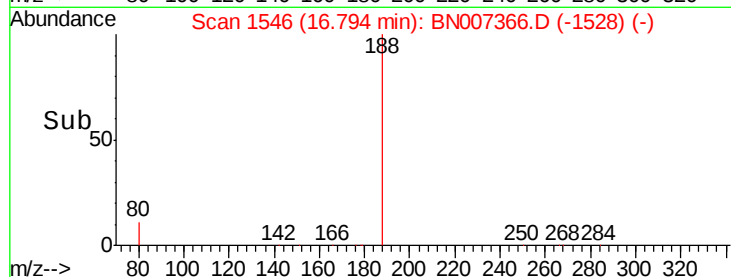
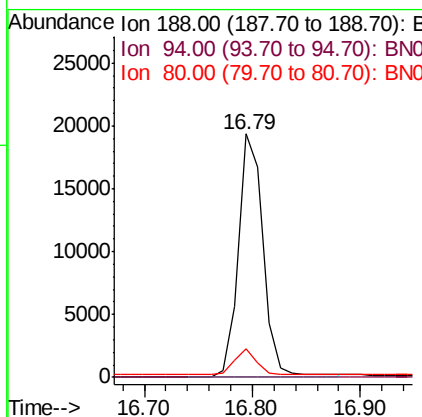
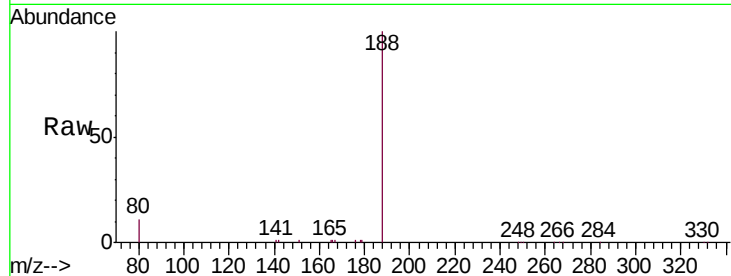
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019

Tot Ion	Ratio	Resp	Lower	Upper
188	100	30412		
94	0.0	0.0	0.0	0.0
80	11.5	11.8	17.8	

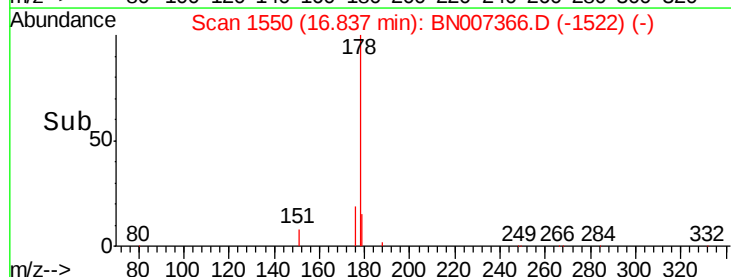
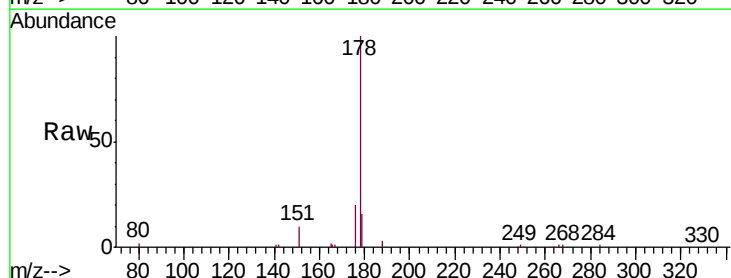
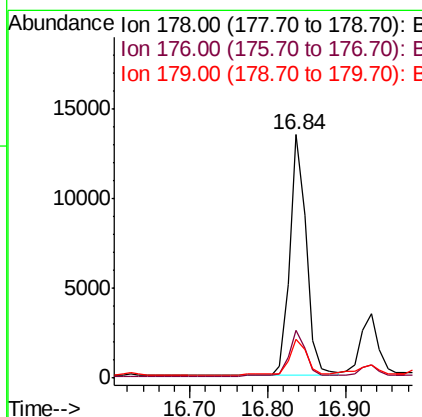
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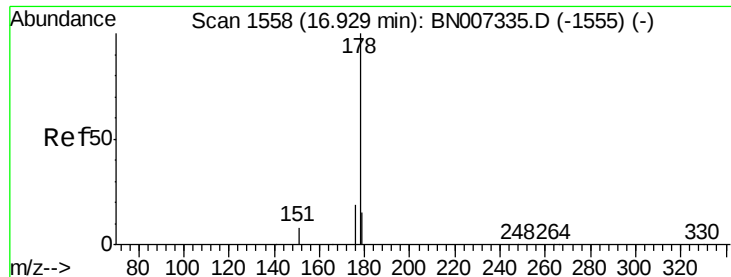
mohammad
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#23
Phenanthrene
Concen: 0.215 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	19633		
176	19.3	15.3	22.9	
179	15.1	12.6	19.0	





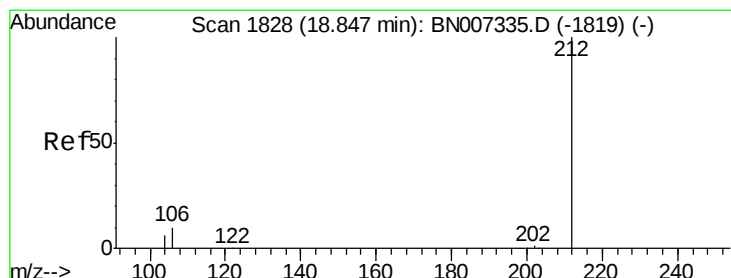
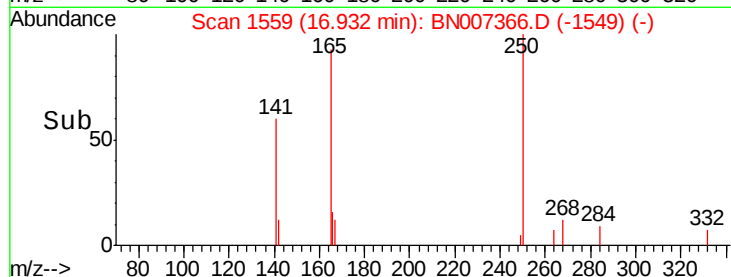
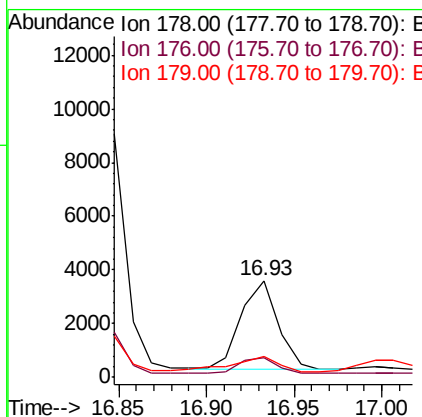
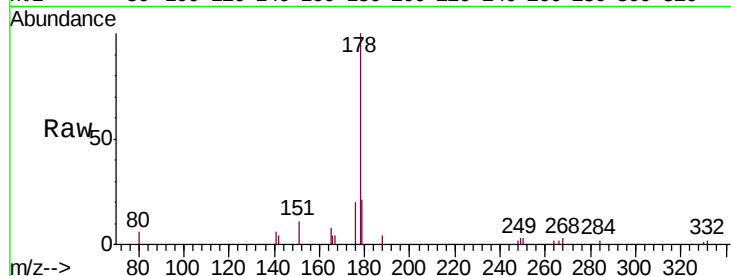
#24
 Anthracene
 Concen: 0.054 ng
 RT: 16.93 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: BN007366.D
 Acq: 24 Aug 2019 16:43

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	20.5	12.4	18.6

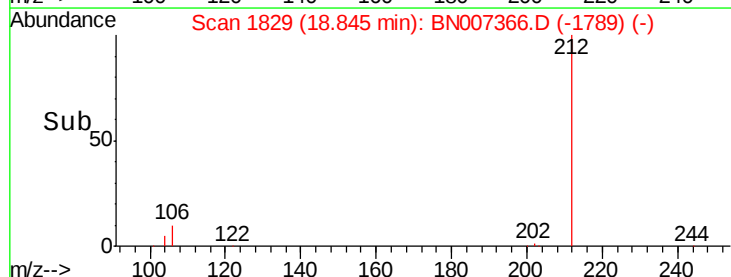
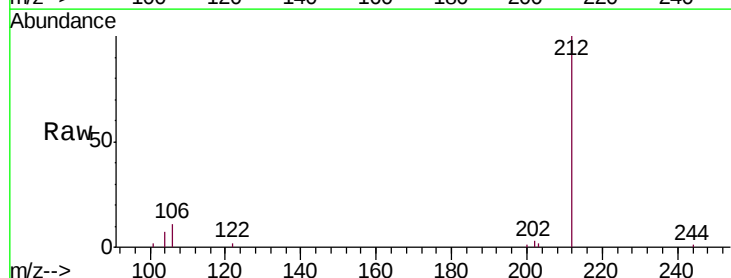
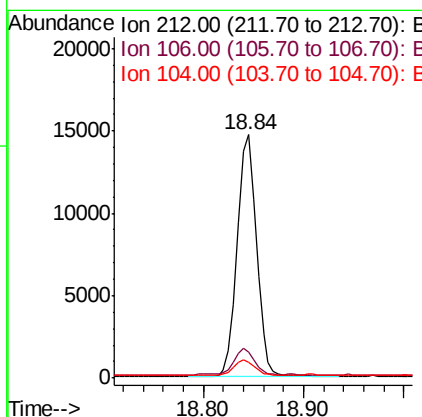
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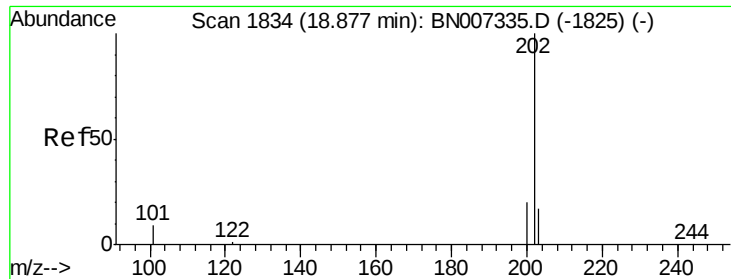
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.198 ng
 RT: 18.84 min Scan# 1829
 Delta R.T. -0.00 min
 Lab File: BN007366.D
 Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.7	9.0	13.4
104	6.5	5.4	8.2





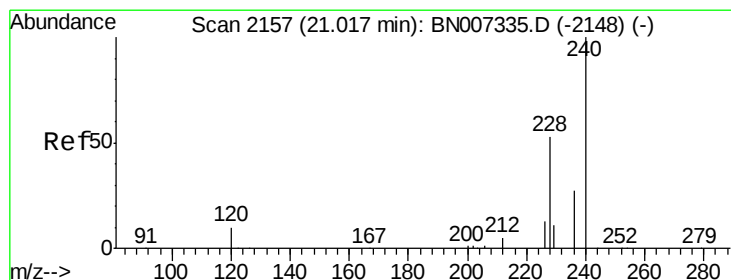
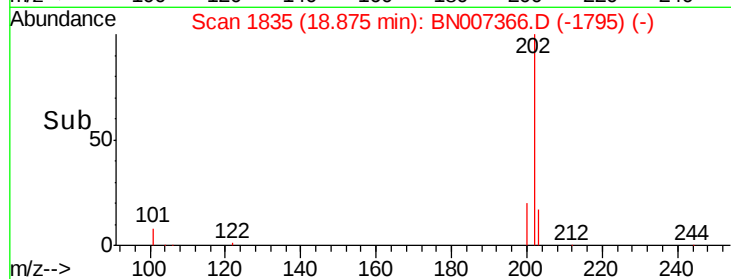
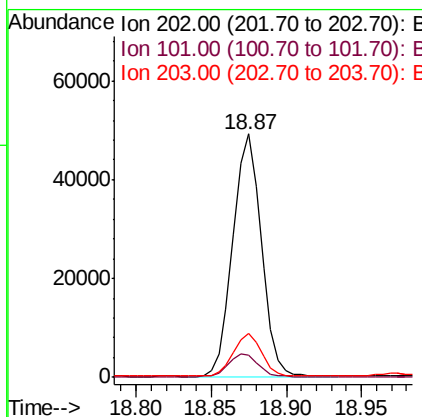
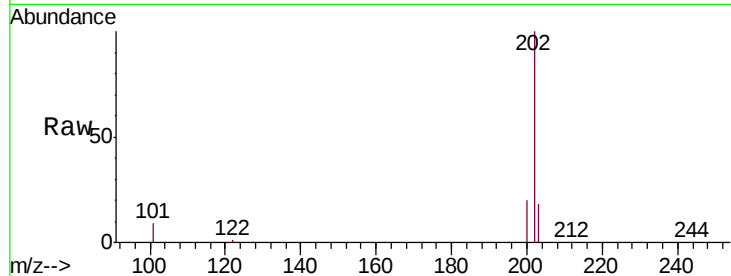
#26
Fluoranthene
 Concen: 0.550 ng
 RT: 18.87 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BN007366.D
 Acq: 24 Aug 2019 16:43

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	64549		
101	9.5		7.7	11.5
203	17.4		13.7	20.5

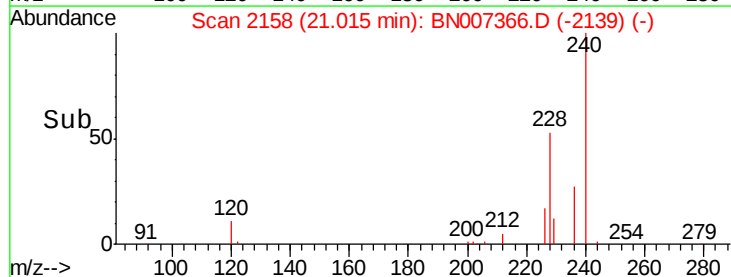
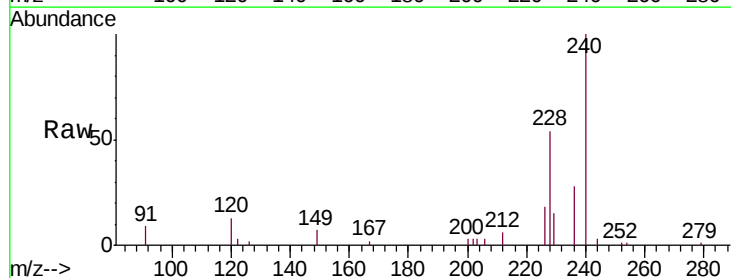
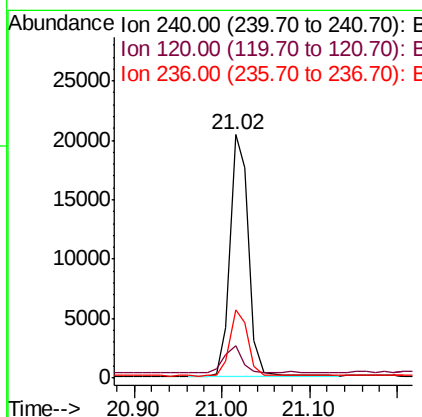
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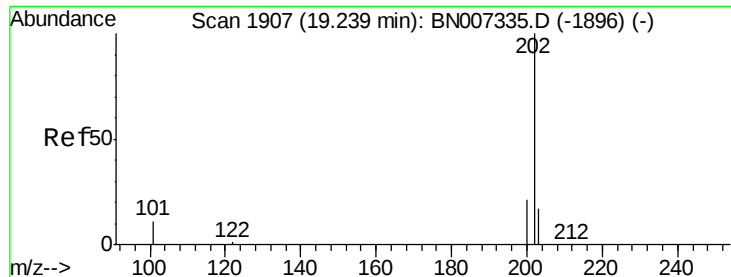
mohammad
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007366.D
 Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	29286		
120	13.2		9.6	14.4
236	27.9		22.2	33.2





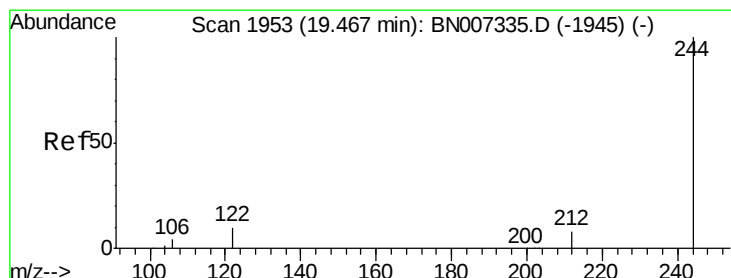
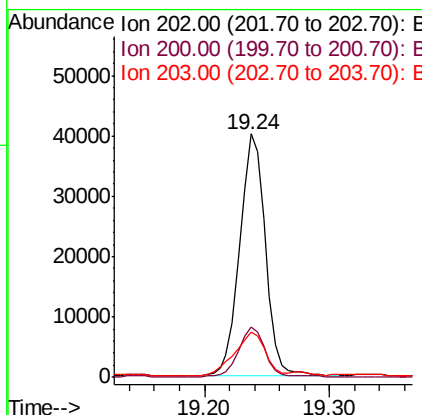
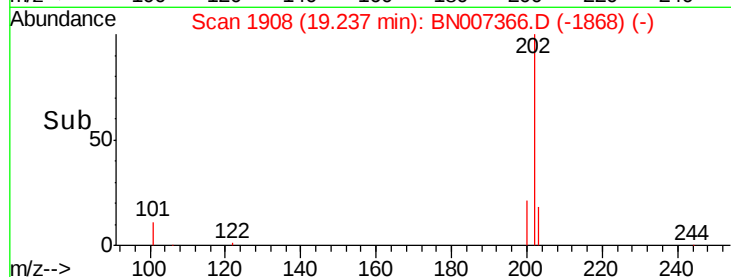
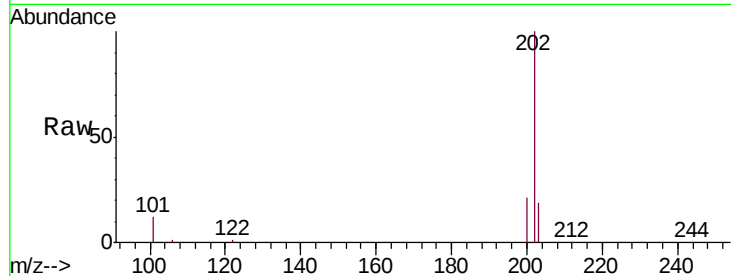
#28
Pvrene
Concen: 0.484 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	21.7	14.2	21.4

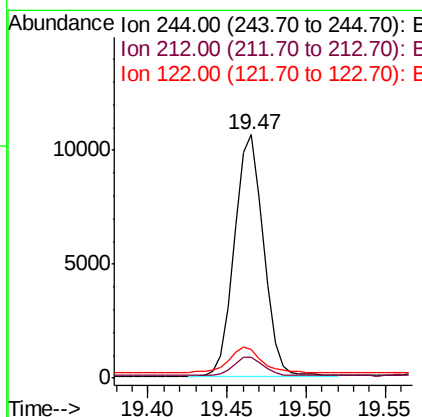
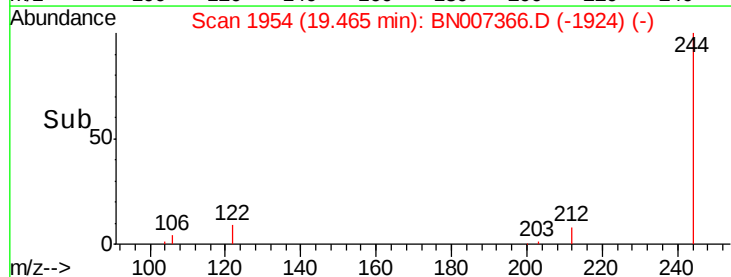
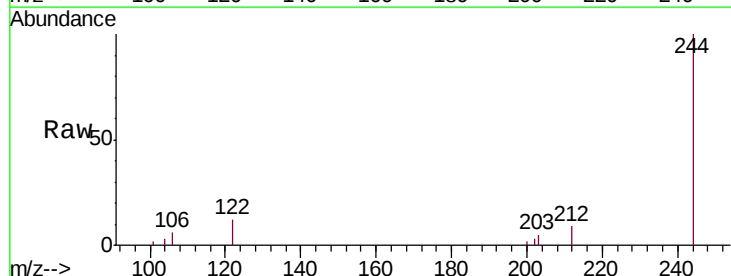
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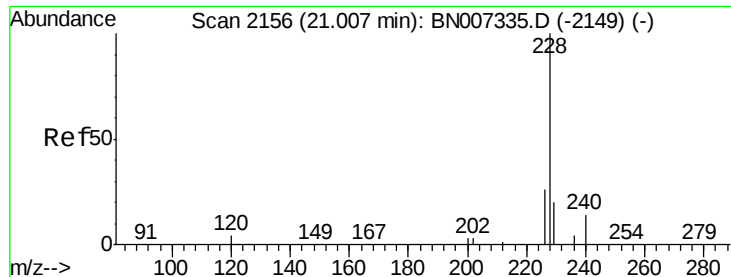
mohammad
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#29
Terphenyl-d14
Concen: 0.176 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.6
122	11.7	9.6	14.4





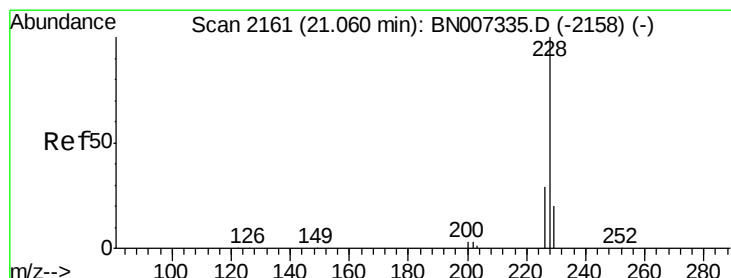
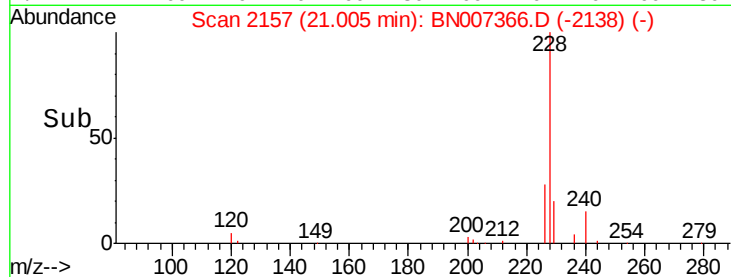
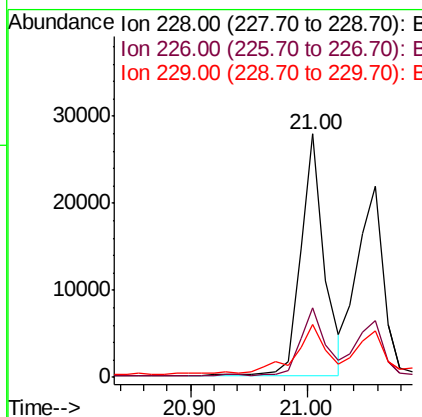
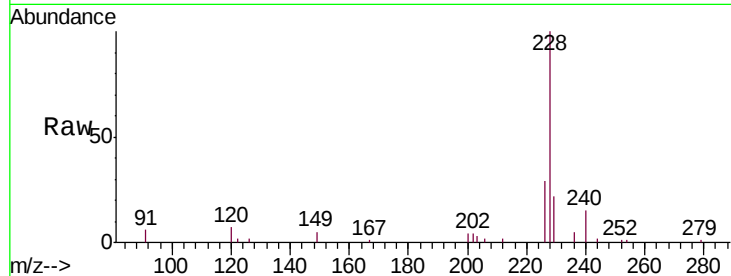
#30
Benzo(a)anthracene
Concen: 0.335 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Instrument :
BNA_N
ClientSampled :
S302-J-2.0-2.5-082019

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.3	31.9
229	21.8	16.1	24.1

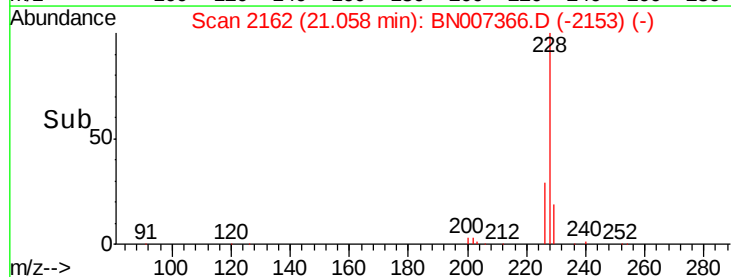
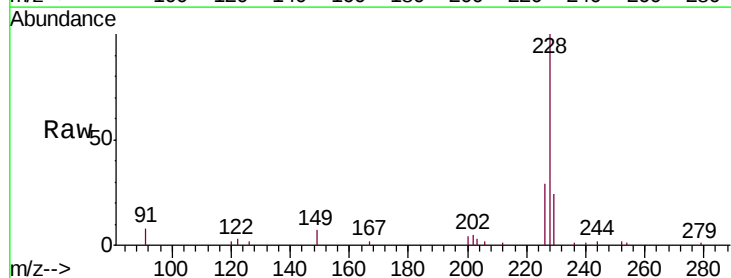
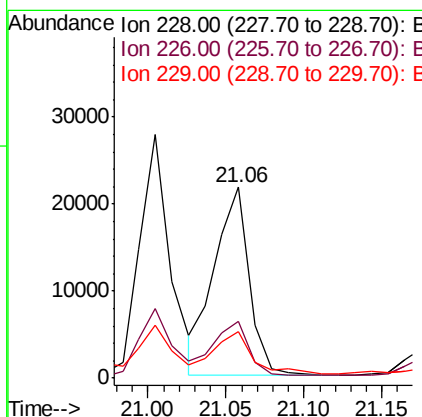
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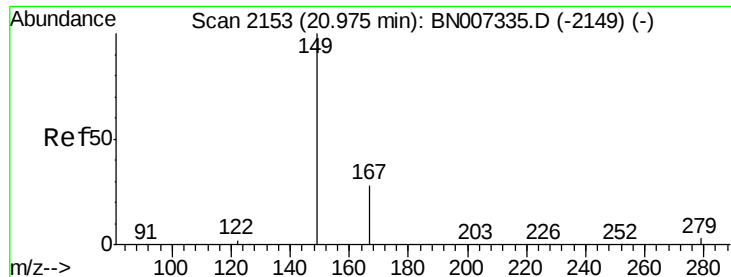
mohammad
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#31
Chrysene
Concen: 0.300 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.5	35.3
229	24.3	16.6	24.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.370 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007366.D

Acq: 24 Aug 2019 16:43

Instrument :

BNA_N

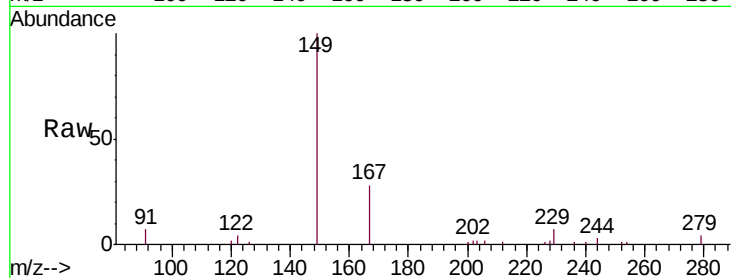
ClientSampleId :

S302-J-2.0-2.5-082019

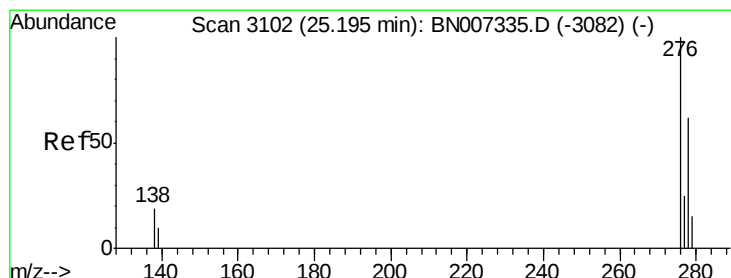
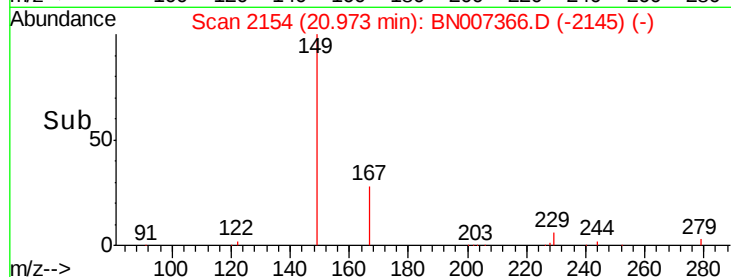
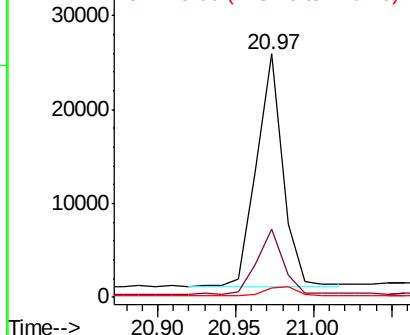
Tot Ion:	149	Resp:	28961
Ion Ratio	Lower	Upper	
149	100		
167	27.5	22.8	34.2
279	4.8	3.5	5.3

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.193 ng

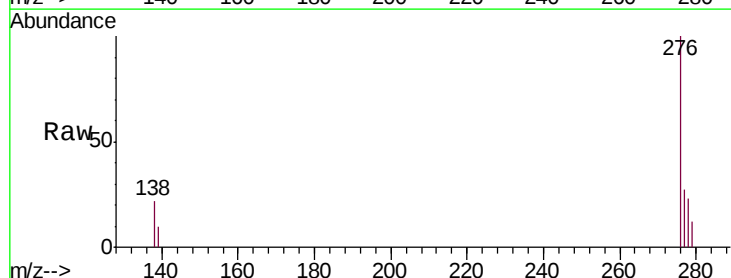
RT: 25.19 min Scan# 3102

Delta R.T. -0.01 min

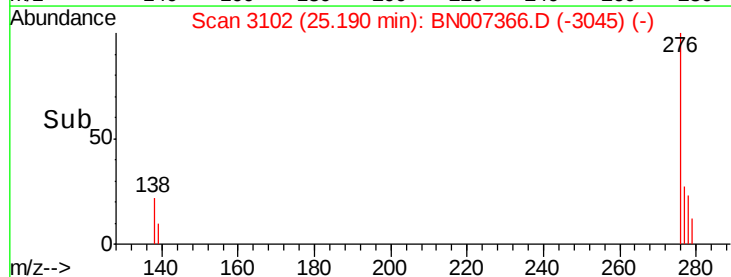
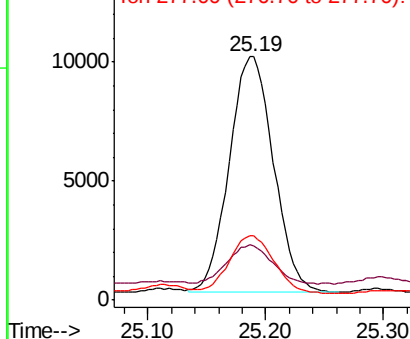
Lab File: BN007366.D

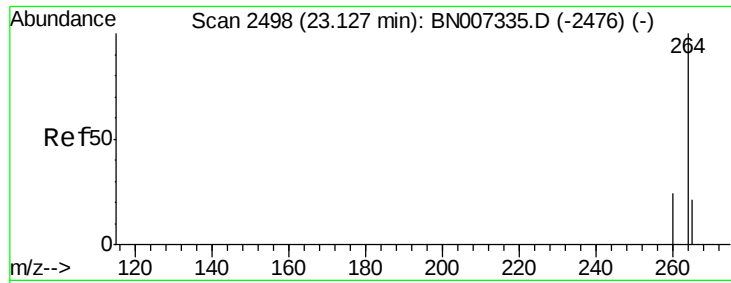
Acq: 24 Aug 2019 16:43

Tgt Ion:	276	Resp:	25846
Ion Ratio	Lower	Upper	
276	100		
138	16.5	15.1	22.7
277	24.9	19.7	29.5



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





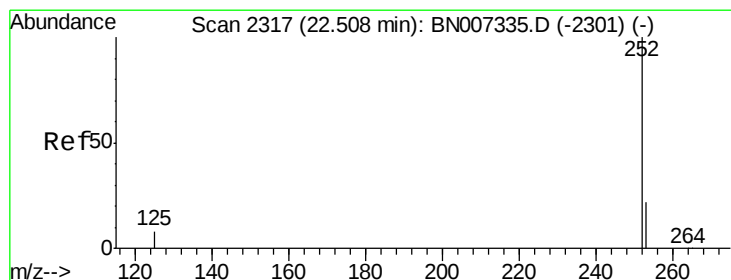
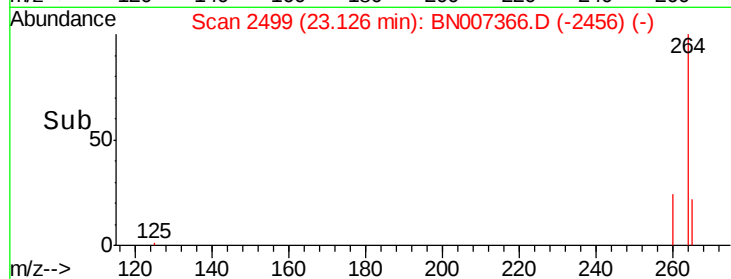
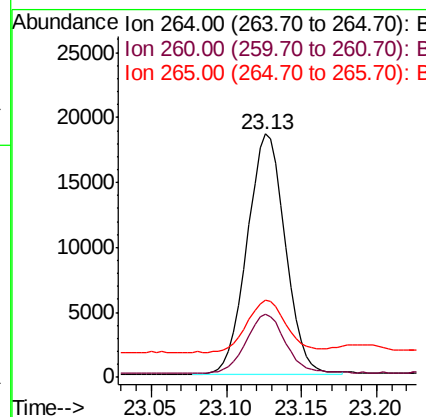
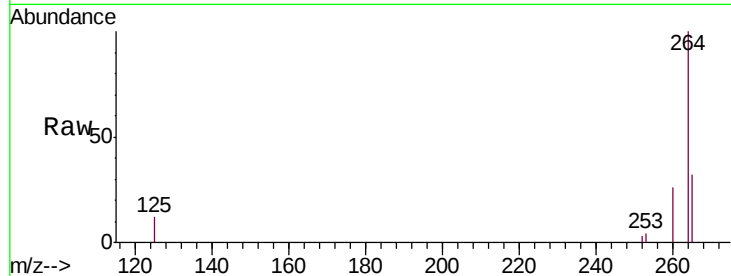
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BN007366.D
 Acq: 24 Aug 2019 16:43

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.7	29.5
265	31.8	29.9	44.9

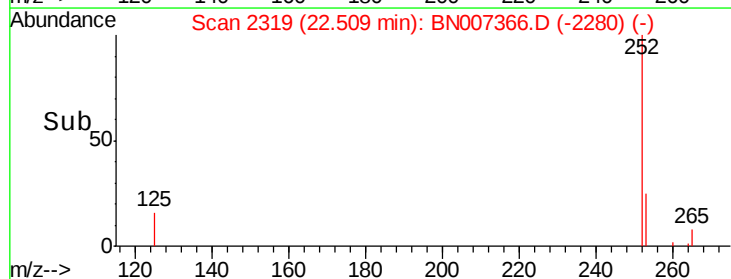
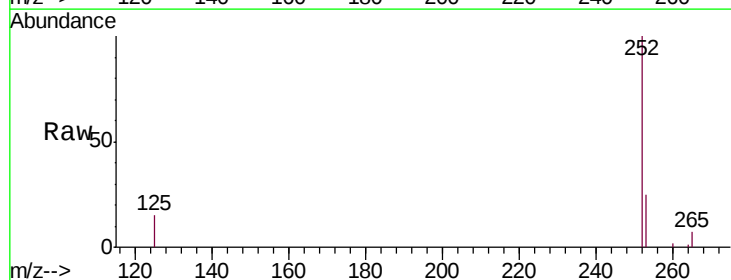
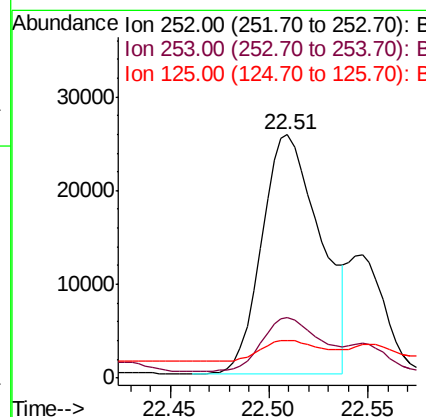
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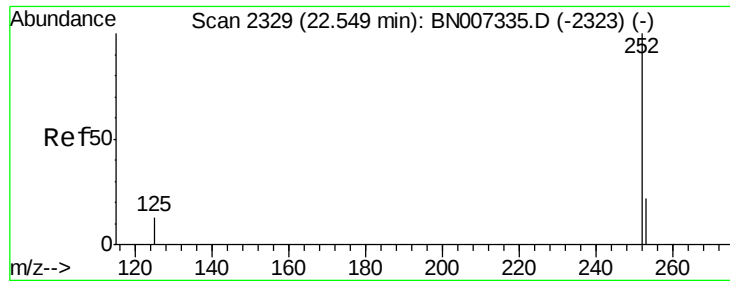
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 0.450 ng
 RT: 22.51 min Scan# 2319
 Delta R.T. 0.00 min
 Lab File: BN007366.D
 Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.2	28.8
125	15.3	10.6	16.0





#36

Benzo(k)fluoranthene

Concen: 0.145 ng/mL

RT: 22.55 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN007366.D

Acq: 24 Aug 2019 16:43

Instrument :

BNA_N

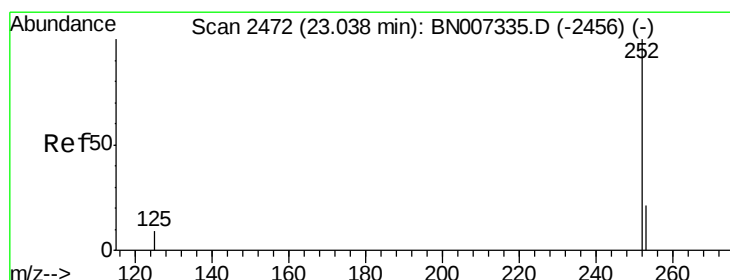
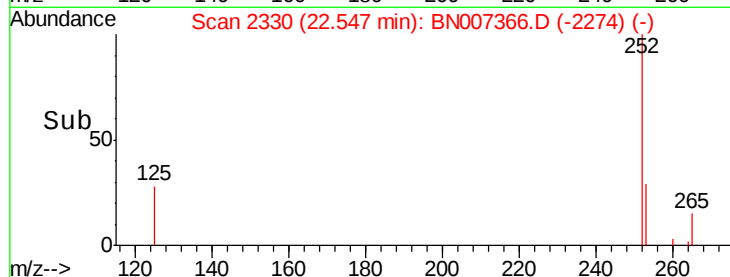
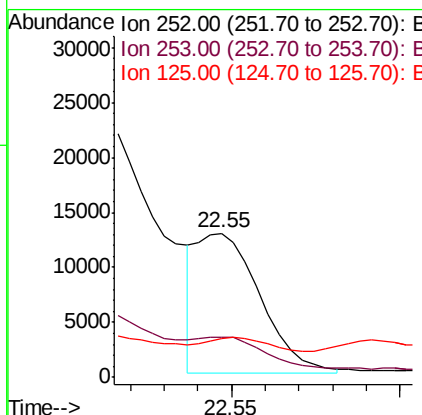
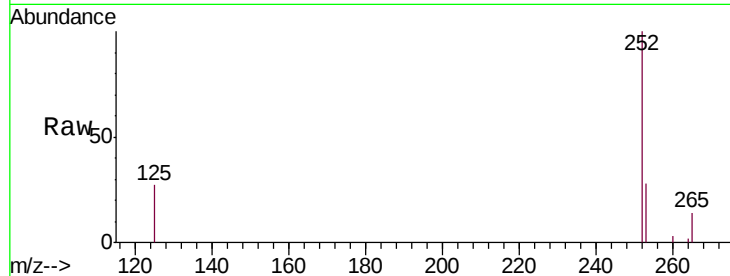
ClientSampleId :

S302-J-2.0-2.5-082019

Tot Ion:	252	Resp:	16711
Ion Ratio	Lower	Upper	
252	100		
253	28.0	19.4	29.2
125	26.9	13.1	19.7#

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#37

Benzo(a)pyrene

Concen: 0.305 ng/mL

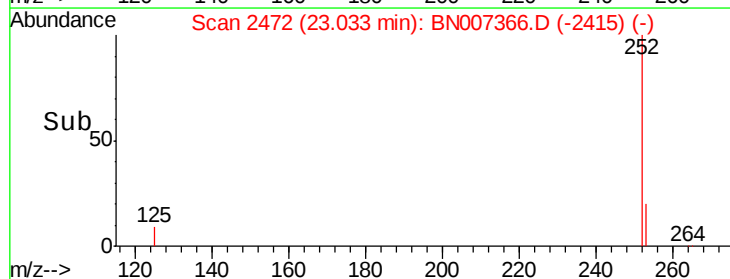
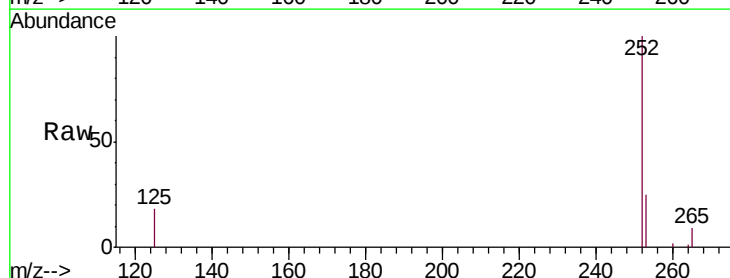
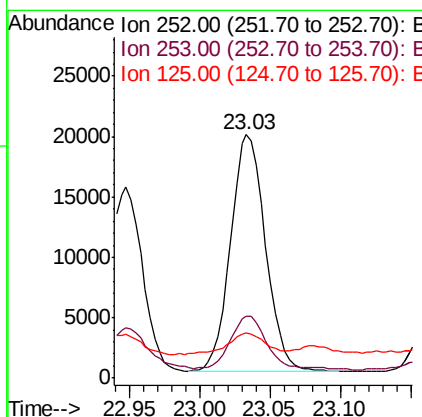
RT: 23.03 min Scan# 2472

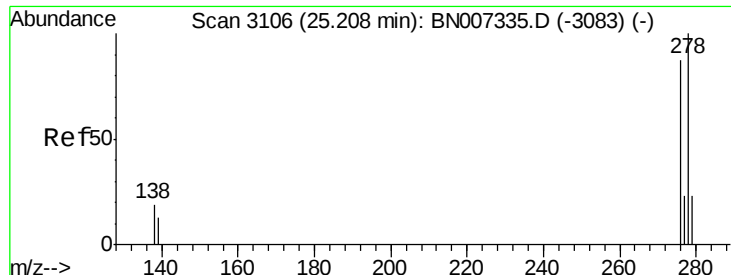
Delta R.T. -0.01 min

Lab File: BN007366.D

Acq: 24 Aug 2019 16:43

Tgt Ion:	252	Resp:	33838
Ion Ratio	Lower	Upper	
252	100		
253	25.4	19.5	29.3
125	18.4	12.1	18.1#





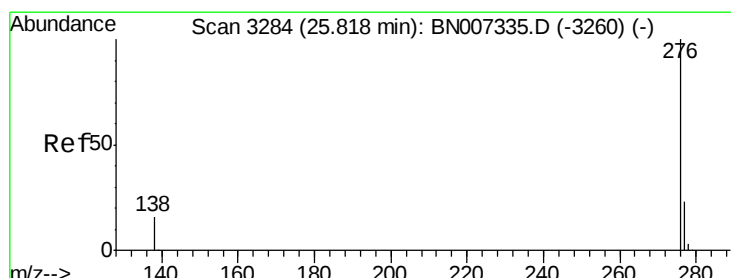
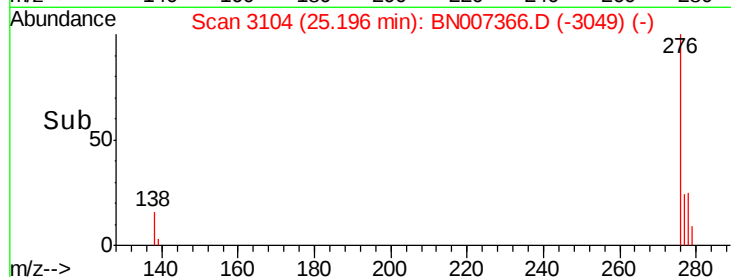
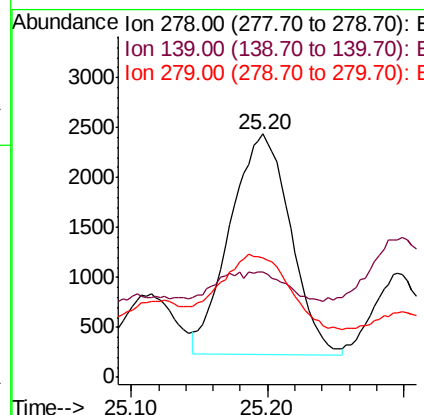
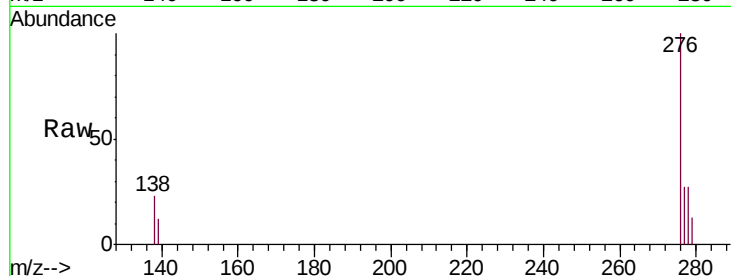
#38
Dibenzo(a,h)anthracene
Concen: 0.061 ng
RT: 25.20 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019

Tot Ion	Ratio	Lower	Upper
278	100		
139	43.4	13.7	20.5#
279	48.8	20.2	30.4#

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#39
Benzo(g,h,i)perylene
Concen: 0.234 ng
RT: 25.81 min Scan# 3284
Delta R.T. -0.01 min
Lab File: BN007366.D
Acq: 24 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.6	29.4
138	22.3	16.3	24.5

