

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
 Data File : BN007517.D
 Acq On : 30 Aug 2019 00:05
 Operator : HP/JU
 Sample : K4514-02DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S602-M-1.0-1.5-082319DL

Manual Integrations
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JAGRUT
 8/30/2019 8:58:06 AM

Quant Time: Aug 30 02:45:57 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 29 12:18:45 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	6179	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	28057	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	17341	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	40155	0.40	ng	0.00
27) Chrysene-d12	21.02	240	38891	0.40	ng	0.00
34) Perylene-d12	23.12	264	33184	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.03	112	1226	0.03	ng	0.00
5) Phenol-d6	6.59	99	1759	0.04	ng	0.00
8) Nitrobenzene-d5	8.53	82	1386	0.06	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	2458	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	528	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	3232	0.05	ng	0.00
25) Fluoranthene-d10	18.83	212	6352	0.05	ng	-0.01
29) Terphenyl-d14	19.46	244	4489	0.04	ng	-0.01

Target Compounds

						Qvalue
12) 2-Methylnaphthalene	11.83	142	2211	0.040	ng	97
17) Acenaphthene	14.10	154	6806	0.113	ng	99
18) Fluorene	15.10	166	5938	0.078	ng	98
23) Phenanthrene	16.84	178	96588	0.800	ng	99
24) Anthracene	16.92	178	18909	0.156	ng	97
26) Fluoranthene	18.86	202	320764	2.068	ng	99
28) Pyrene	19.23	202	280819	1.795	ng	# 95
30) Benzo(a)anthracene	20.99	228	157459	1.031	ng	99
31) Chrysene	21.05	228	153191	1.039	ng	99
32) Bis(2-ethylhexyl)phthalate	20.96	149	5457	0.036	ng	98
33) Indeno(1,2,3-cd)pyrene	25.17	276	79869	0.450	ng	99
35) Benzo(b)fluoranthene	22.50	252	191754	1.595	ng	# 96
36) Benzo(k)fluoranthene	22.53	252	68560m	0.577	ng	
37) Benzo(a)pyrene	23.02	252	125472m	1.097	ng	
38) Dibenzo(a,h)anthracene	25.18	278	21842	0.191	ng	# 90
39) Benzo(g,h,i)perylene	25.80	276	78124	0.687	ng	99

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

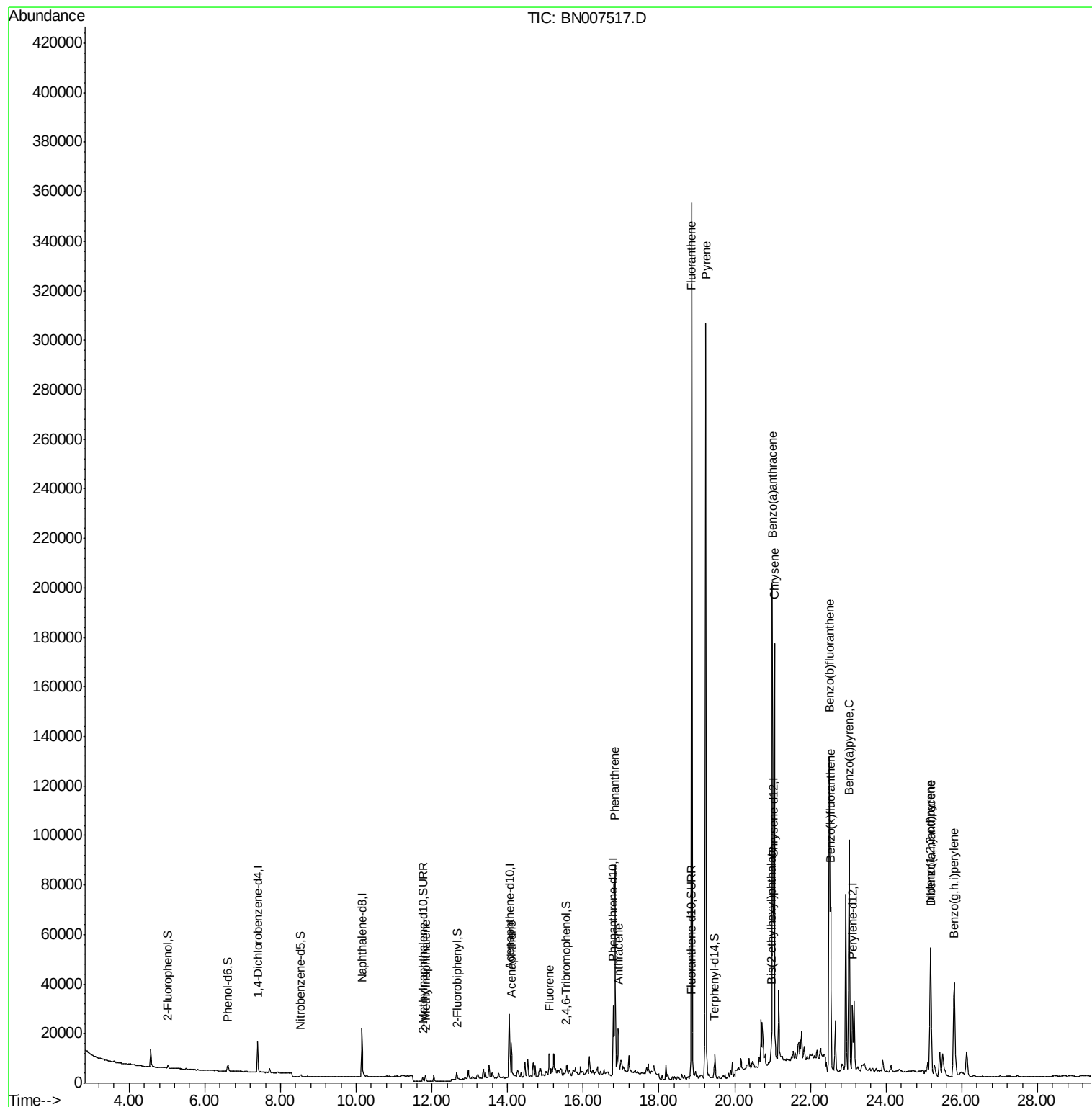
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
Data File : BN007517.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

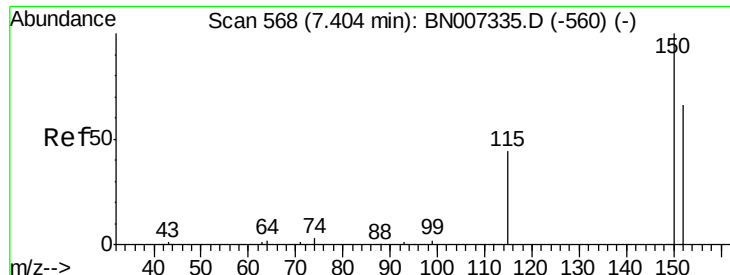
Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

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#1

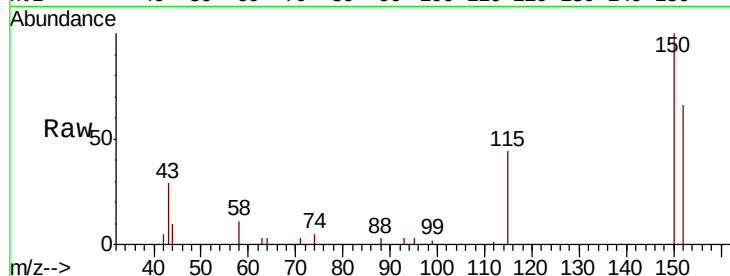
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	109.1	163.7
115	67.5	59.6	89.4

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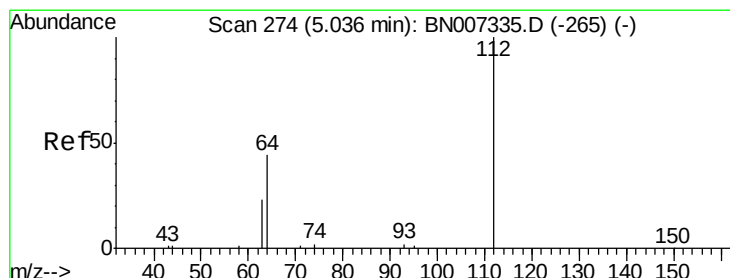
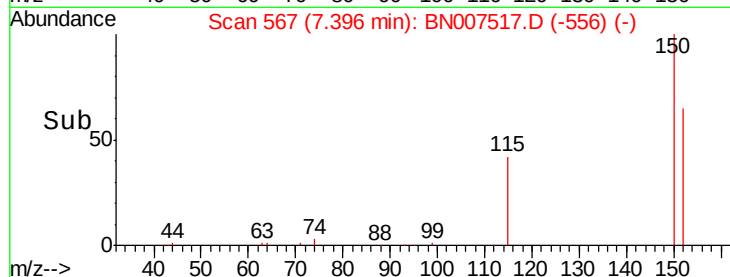
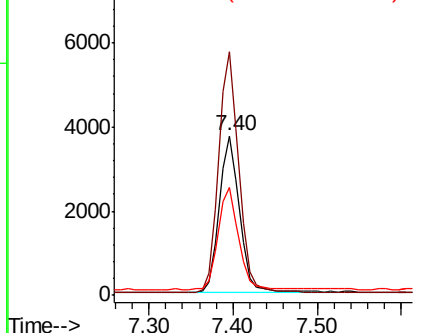


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

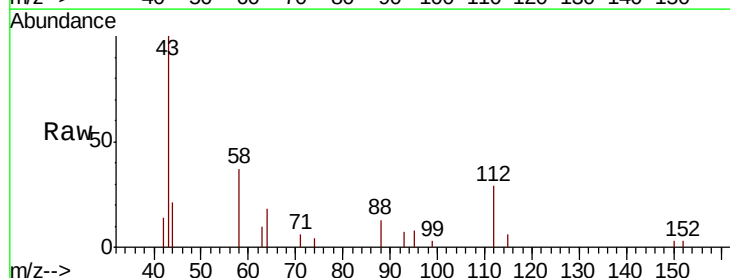
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.031 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	42.3	63.5
63	27.0	23.6	35.4

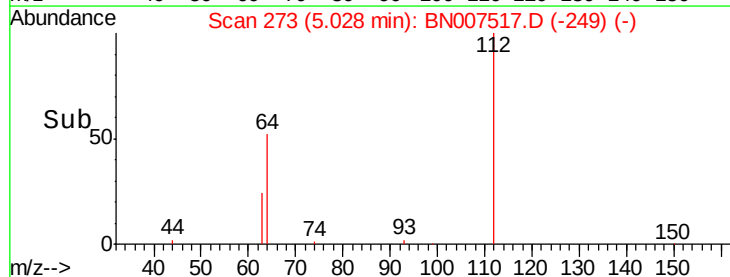
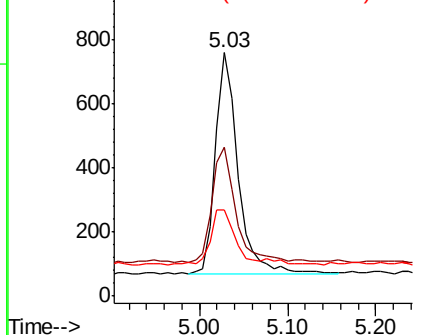


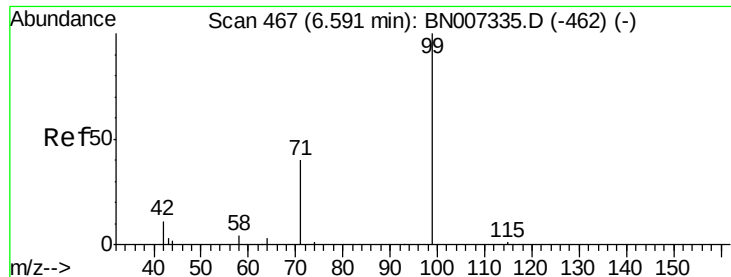
Abundance

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: 0.037 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

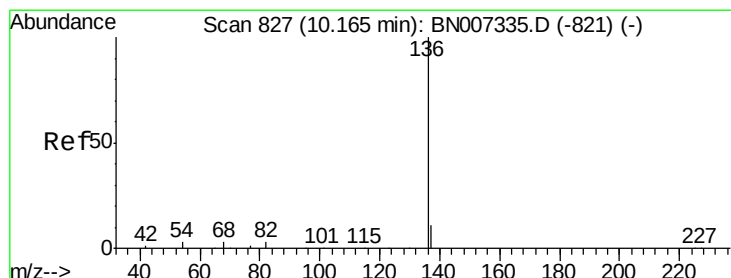
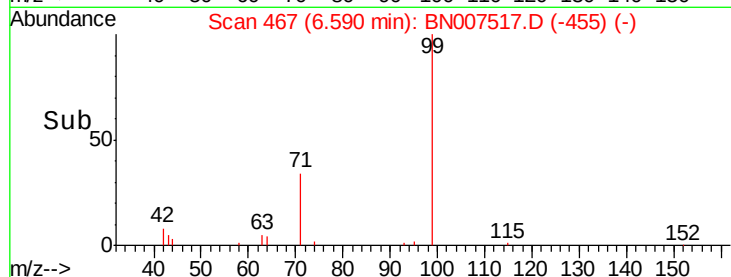
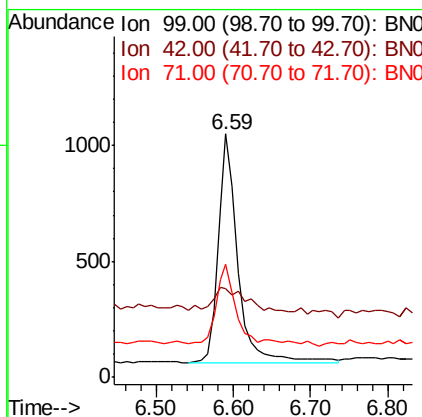
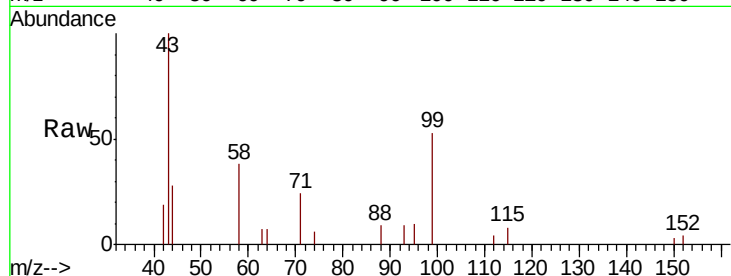
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	99	Resp:	1759
Ion	Ratio	Lower	Upper
99	100		
42	16.0	11.2	16.8
71	34.7	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

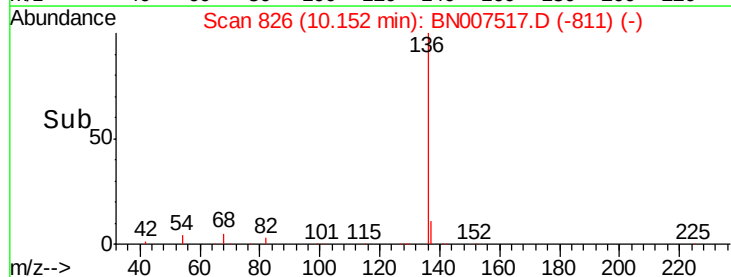
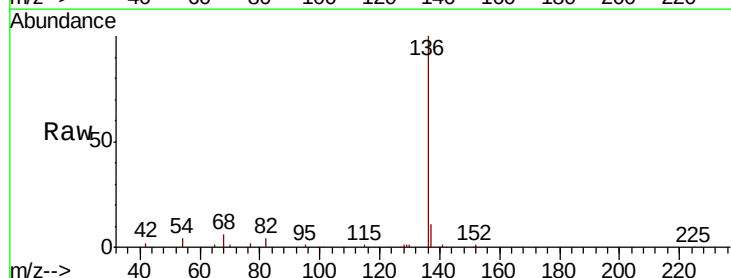
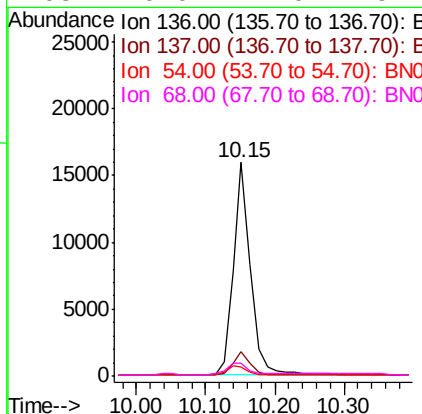
RT: 10.15 min Scan# 826

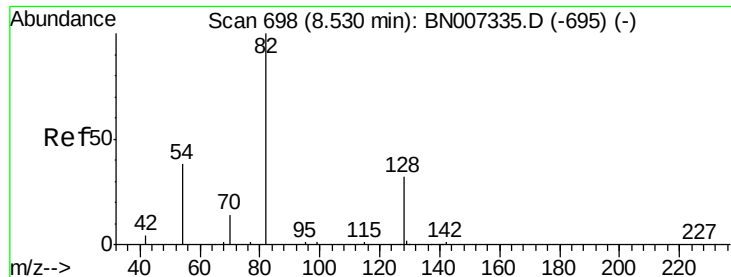
Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Tgt Ion:	136	Resp:	28057
Ion	Ratio	Lower	Upper
136	100		
137	11.3	12.9	19.3#
54	4.2	8.6	12.8#
68	6.0	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.057 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

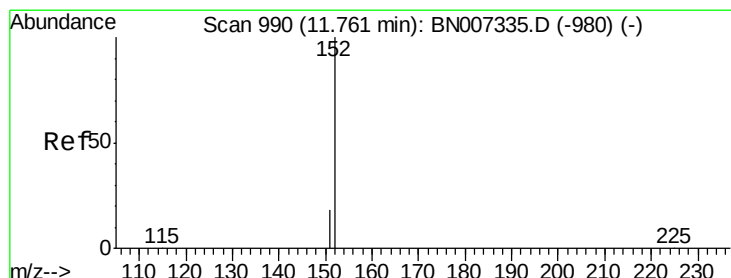
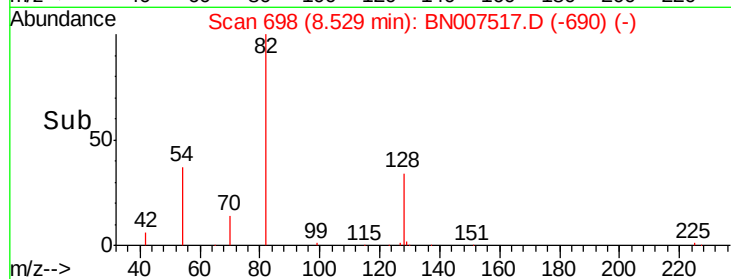
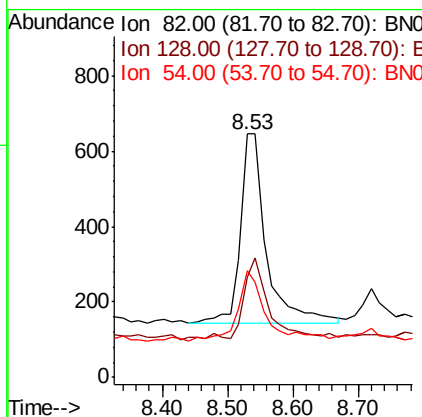
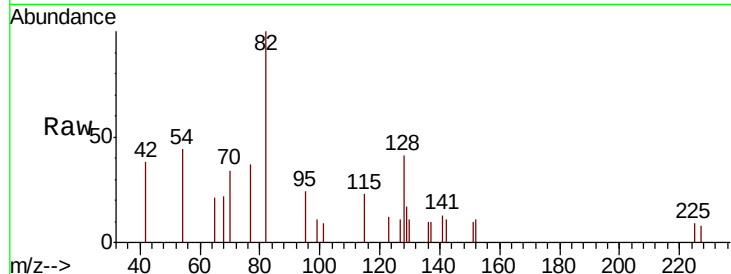
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	82	Resp:	1386
Ion Ratio	Lower	Upper	
82	100		
128	41.3	19.7	29.5#
54	44.0	25.8	38.6#

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#11

2-Methylnaphthalene-d10

Concen: 0.053 ng

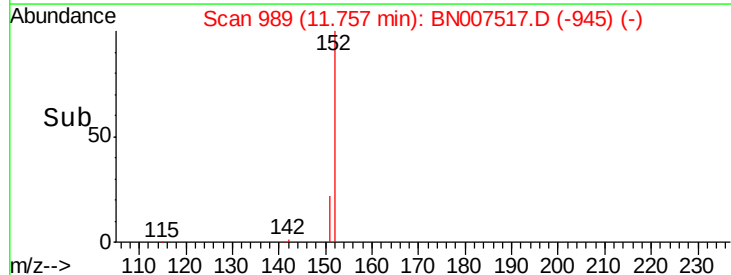
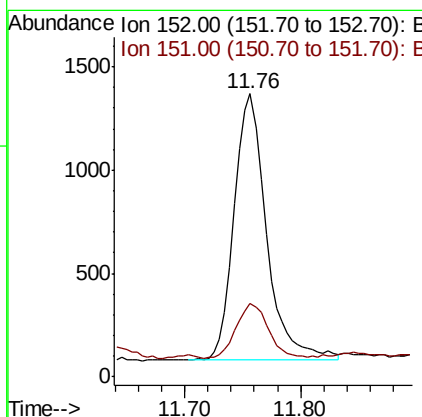
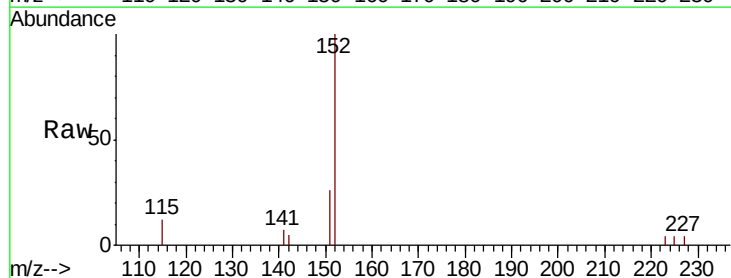
RT: 11.76 min Scan# 989

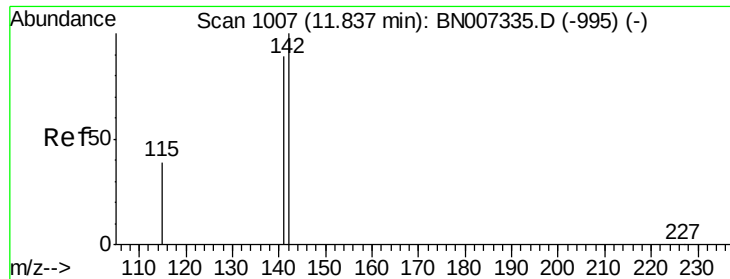
Delta R.T. -0.00 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Tgt Ion:	152	Resp:	2458
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.2	24.2





#12

2-Methylnaphthalene

Concen: 0.040 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

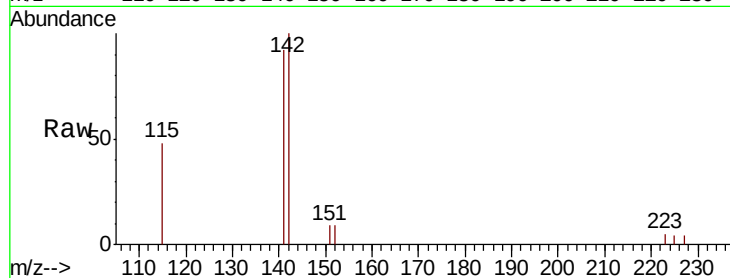
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	142	Resp:	2211
Ion Ratio	Lower	Upper	
142	100		
141	92.3	72.8	109.2
115	48.4	35.2	52.8

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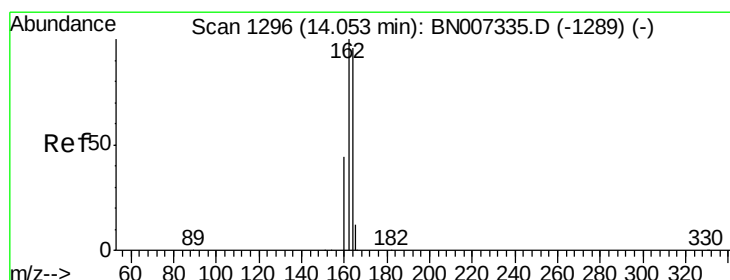
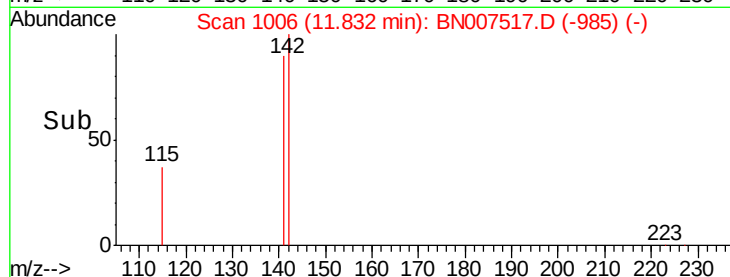
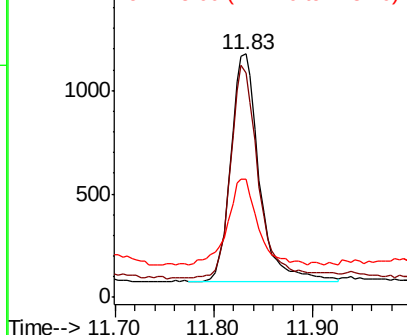


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

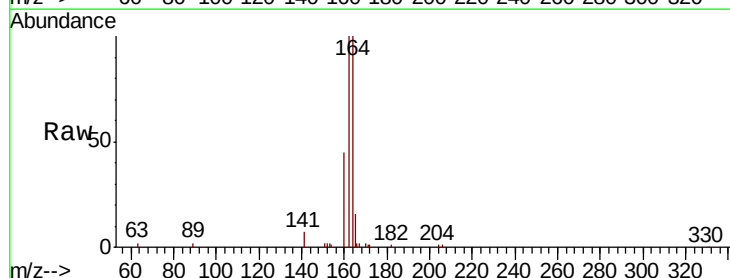
RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Tgt Ion:	164	Resp:	17341
Ion Ratio	Lower	Upper	
164	100		
162	100.2	83.5	125.3
160	45.1	38.2	57.4

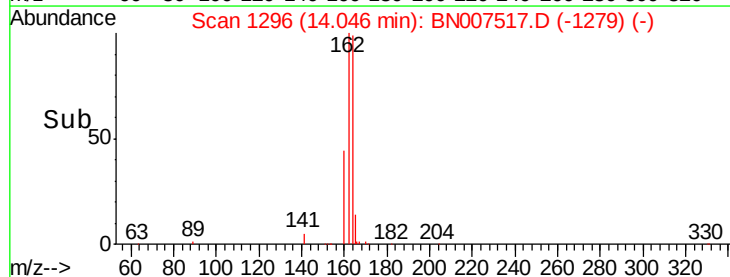
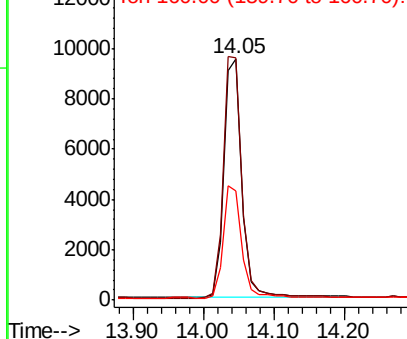


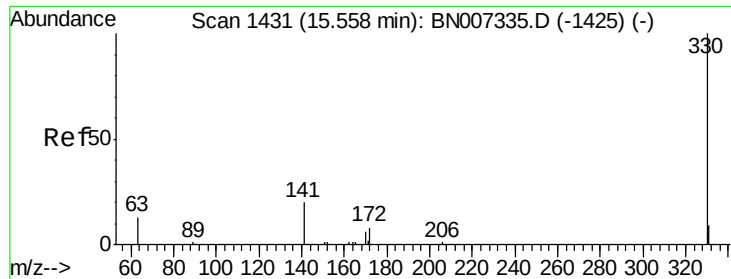
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





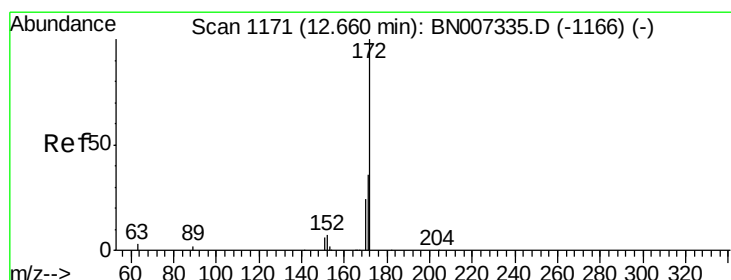
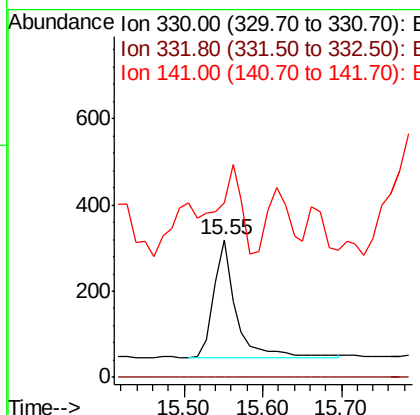
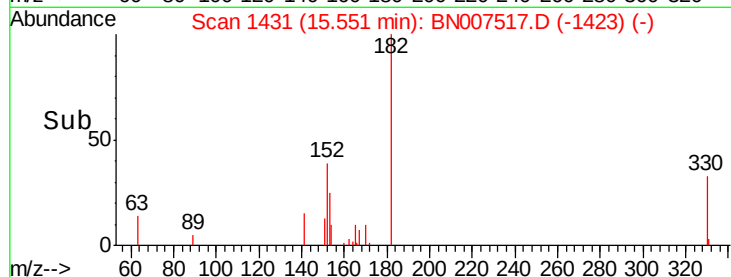
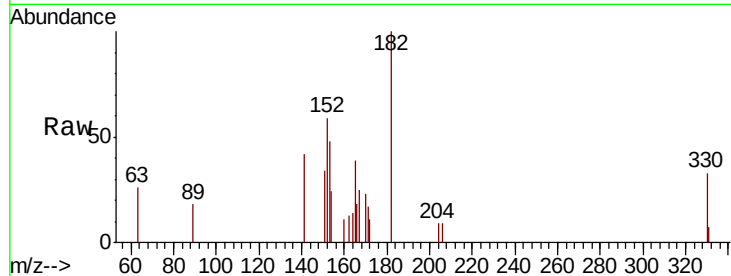
#14
 2,4,6-Tribromophenol
 Concen: 0.058 ng
 RT: 15.55 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BN007517.D
 Acq: 30 Aug 2019 00:05

Instrument :
 BNA_N
 ClientSampleId :
 S602-M-1.0-1.5-082319DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	69.3	26.9	40.3

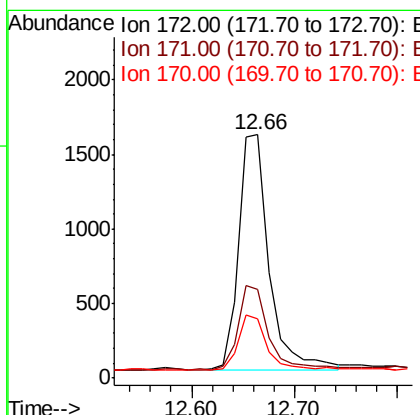
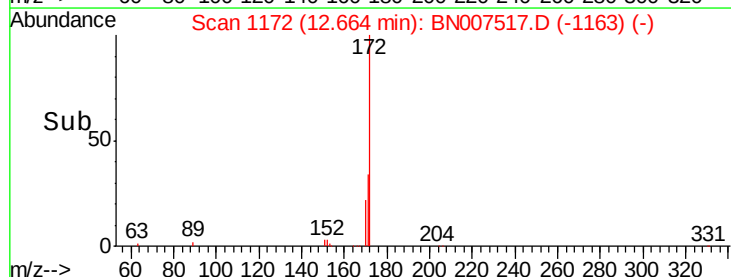
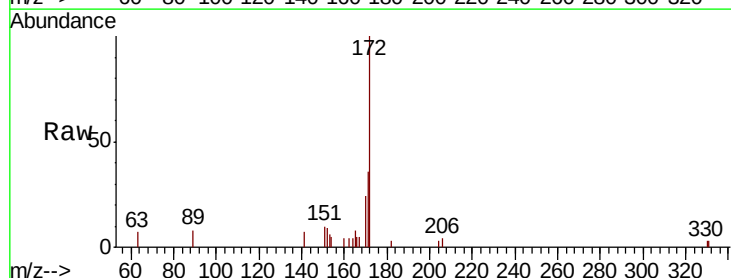
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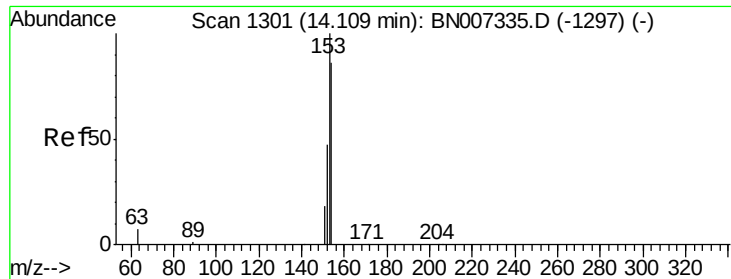
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#15
 2-Fluorobiphenyl
 Concen: 0.046 ng
 RT: 12.66 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: BN007517.D
 Acq: 30 Aug 2019 00:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.3	45.5
170	24.5	20.7	31.1





#17

Acenaphthene

Concen: 0.113 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

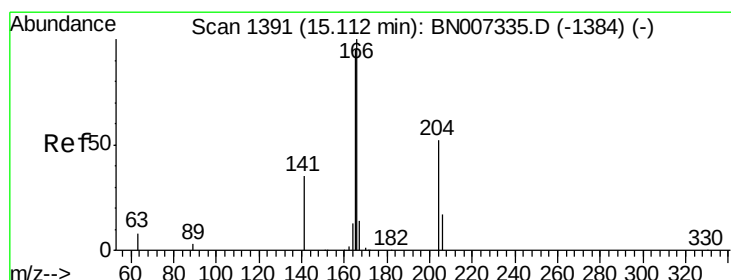
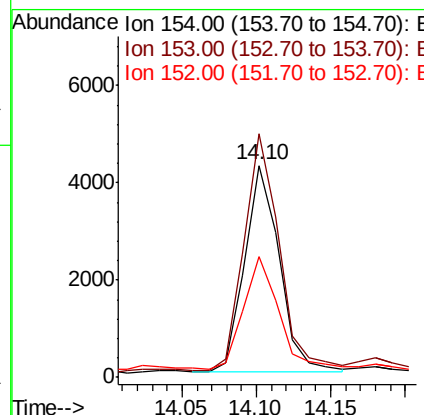
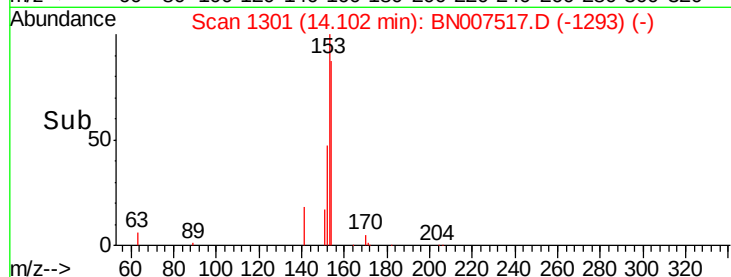
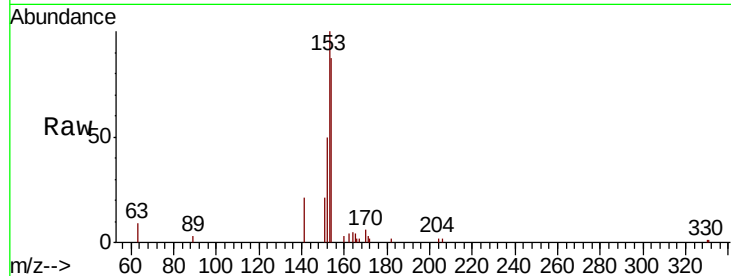
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	154	Resp:	6806
Ion Ratio	Lower	Upper	
154	100		
153	116.8	92.8	139.2
152	56.0	43.8	65.8

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#18

Fluorene

Concen: 0.078 ng

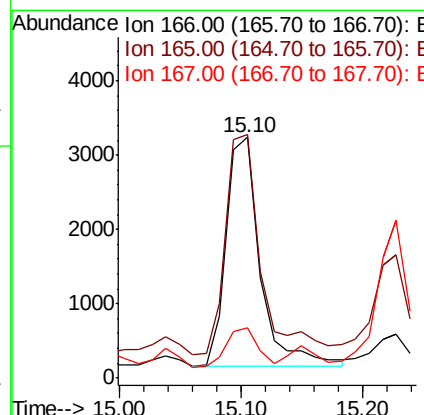
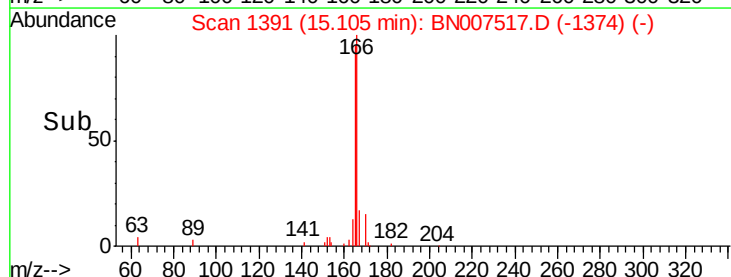
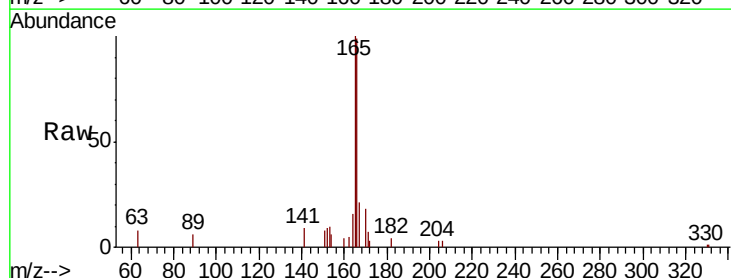
RT: 15.10 min Scan# 1391

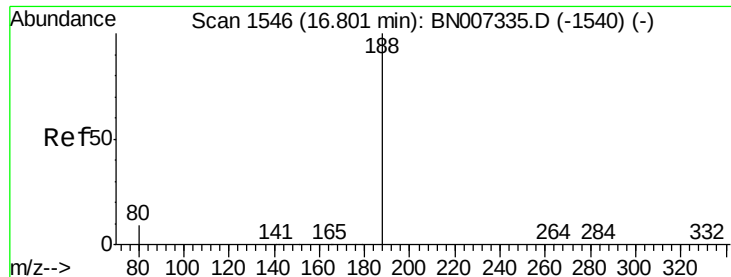
Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Tgt Ion:	166	Resp:	5938
Ion Ratio	Lower	Upper	
166	100		
165	100.4	79.0	118.4
167	15.5	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: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

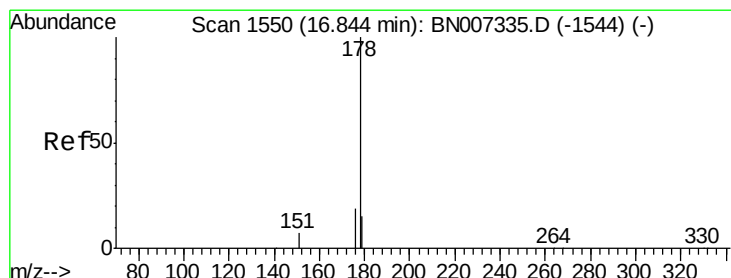
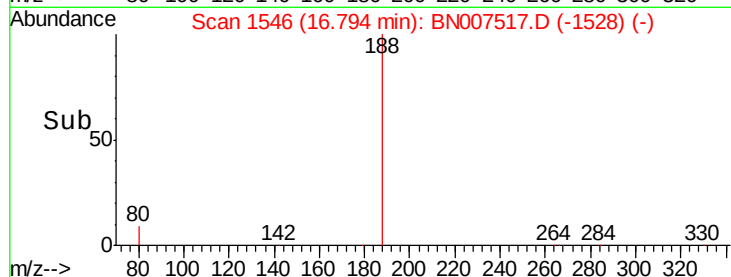
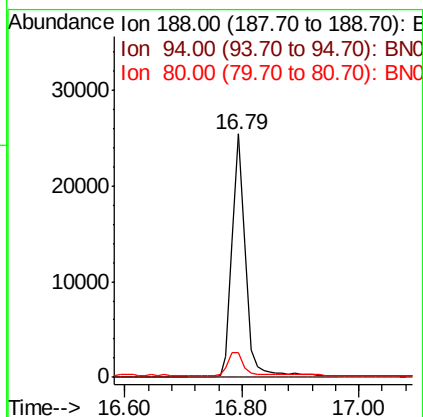
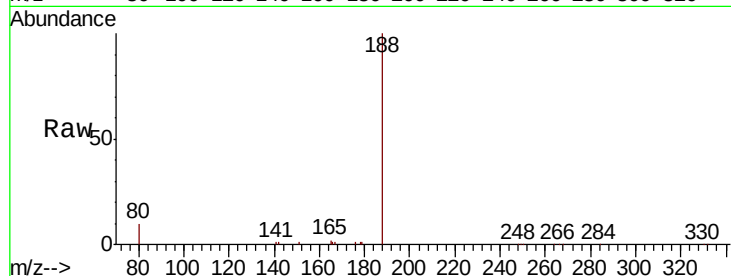
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	188	Resp:	40155
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.0	11.8	17.8#

Manual Integrations
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#23

Phenanthrene

Concen: 0.800 ng

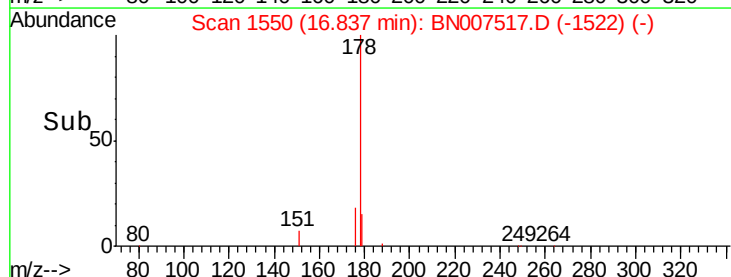
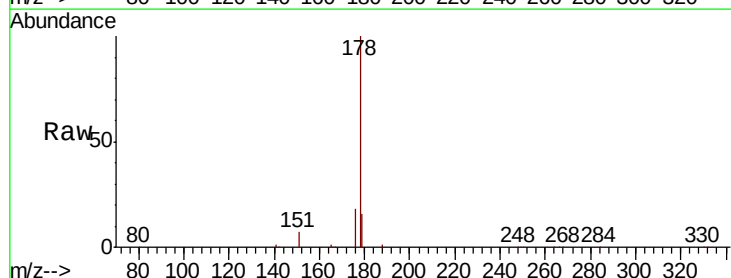
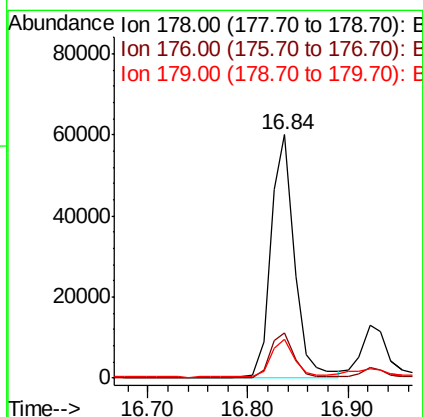
RT: 16.84 min Scan# 1550

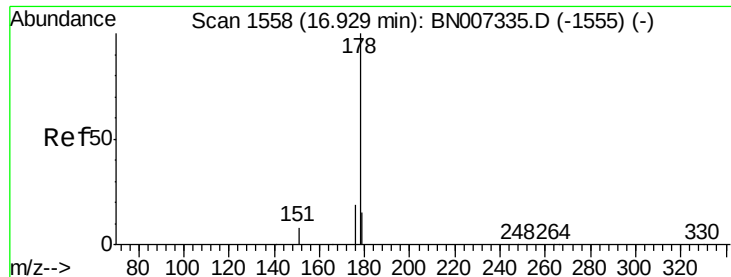
Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Tgt Ion:	178	Resp:	96588
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.3	22.9
179	15.7	12.6	19.0





#24

Anthracene

Concen: 0.156 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

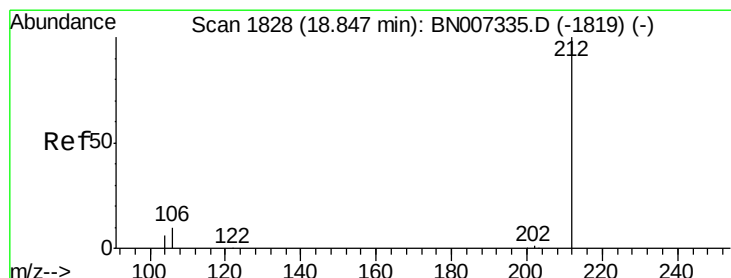
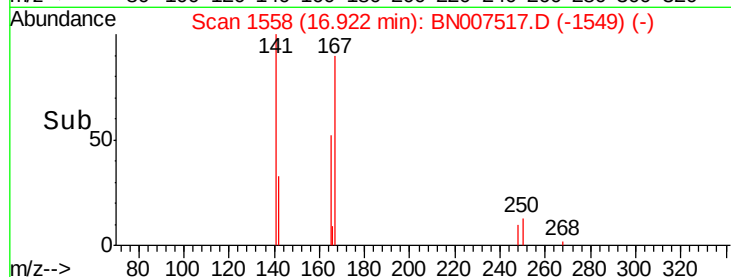
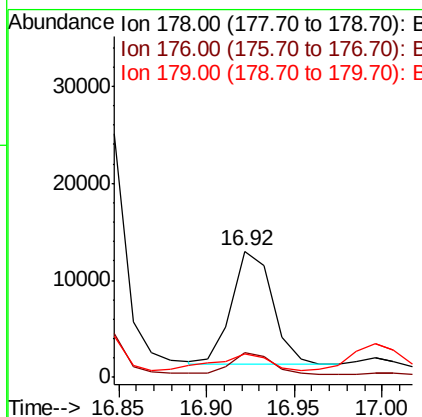
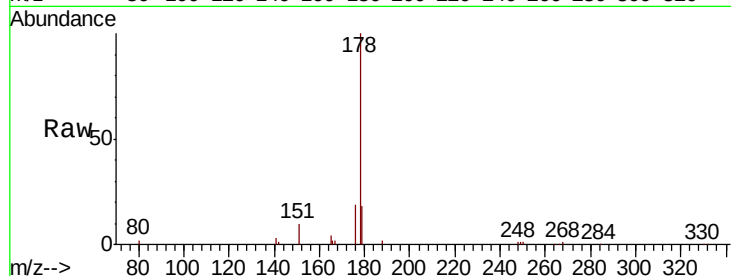
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	178	Resp:	18909
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.9	22.3
179	17.6	12.4	18.6

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#25

Fluoranthene-d10

Concen: 0.049 ng

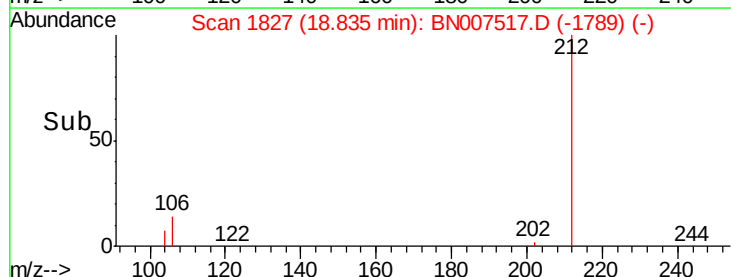
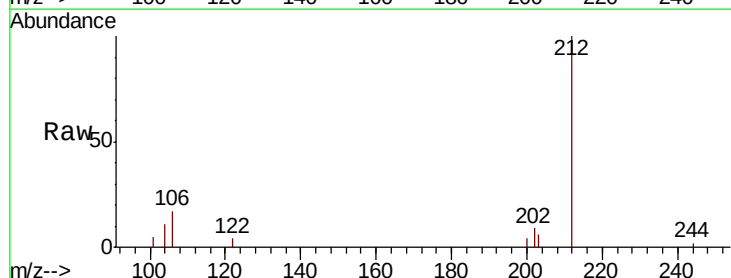
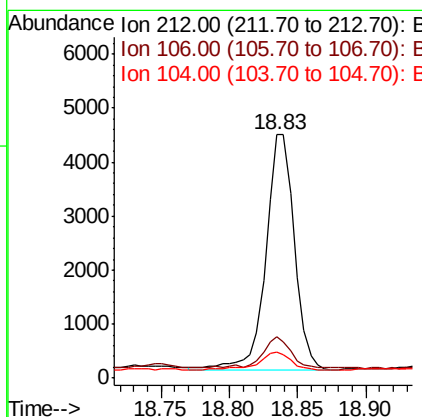
RT: 18.83 min Scan# 1827

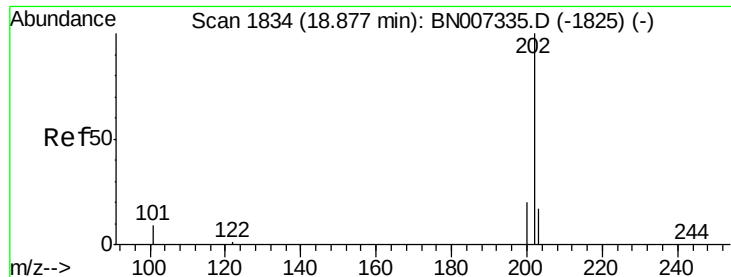
Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Tgt Ion:	212	Resp:	6352
Ion Ratio	Lower	Upper	
212	100		
106	13.0	9.0	13.4
104	8.2	5.4	8.2#





#26

Fluoranthene

Concen: 2.068 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

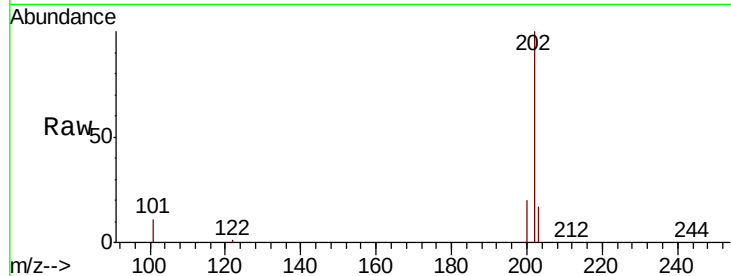
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	202	Resp:	320764
Ion Ratio	Lower	Upper	
202	100		
101	10.6	7.7	11.5
203	17.3	13.7	20.5

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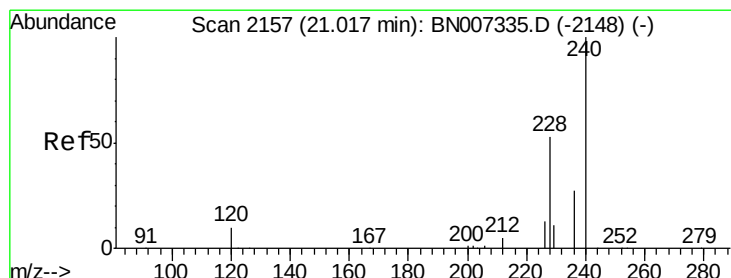
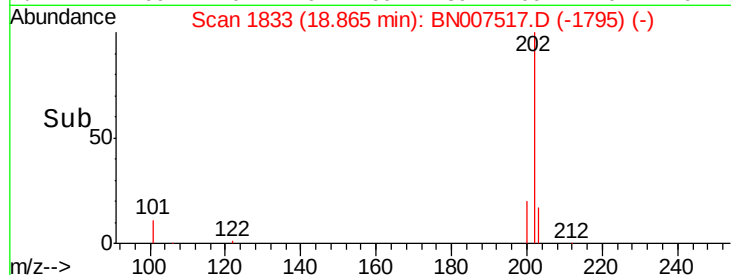
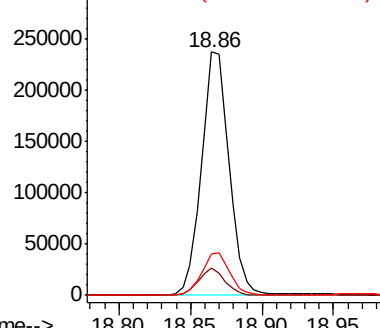


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

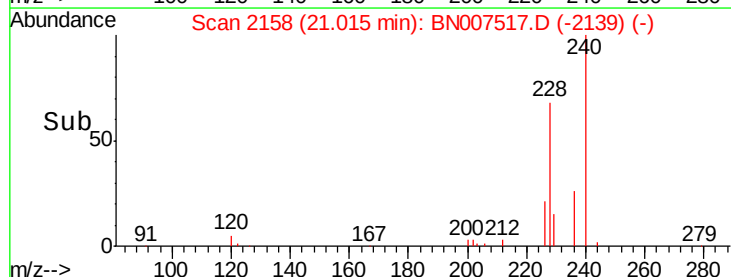
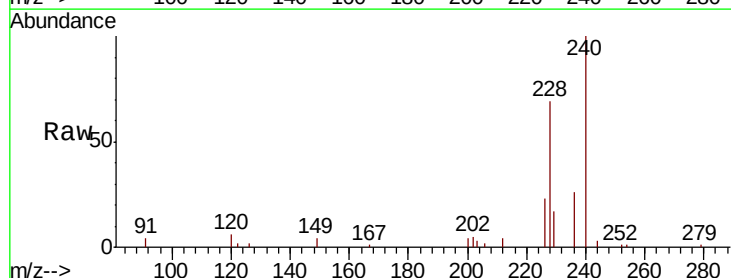
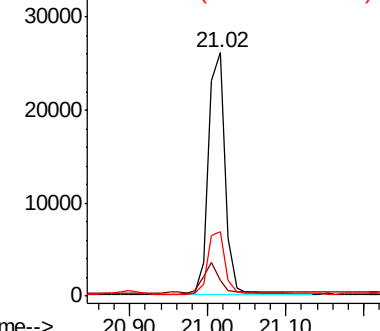
Tgt Ion:	240	Resp:	38891
Ion Ratio	Lower	Upper	
240	100		
120	6.3	9.6	14.4#
236	26.4	22.2	33.2

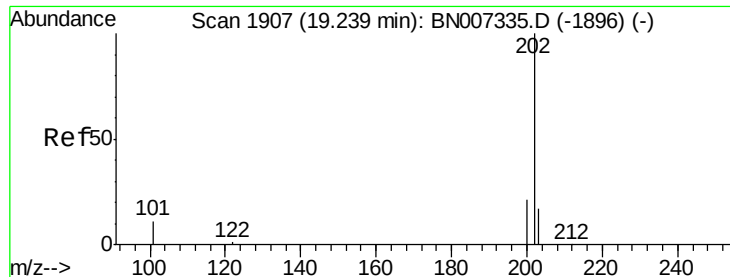
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





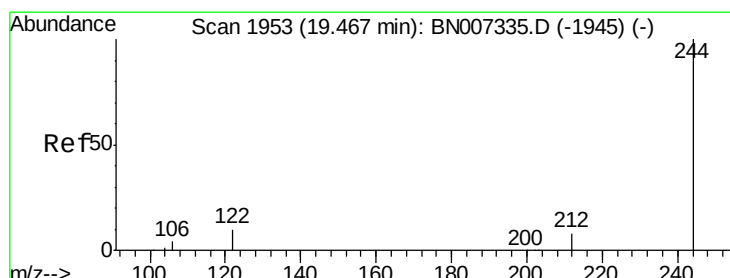
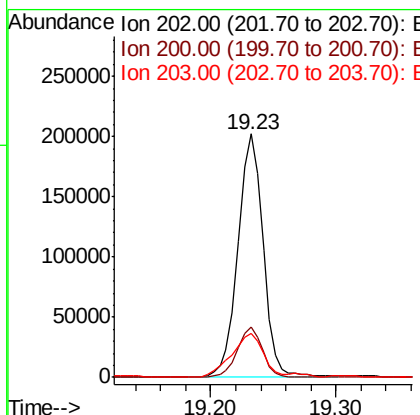
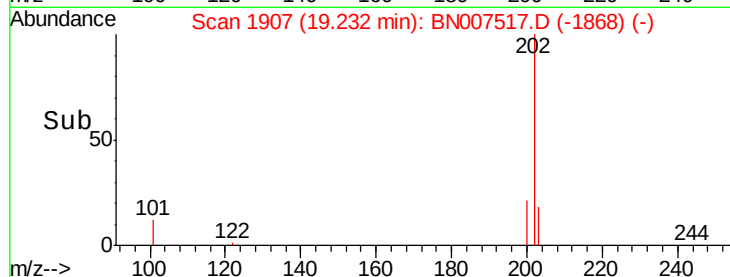
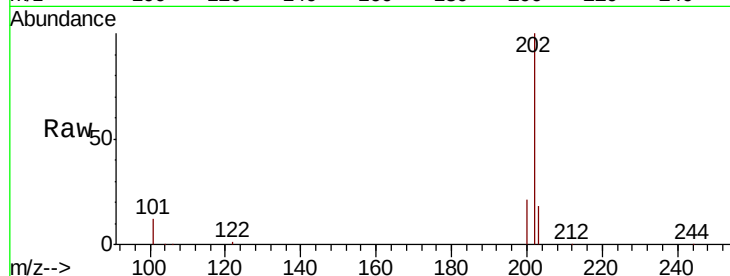
#28
Pvrene
Concen: 1.795 ng
RT: 19.23 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.6	25.0
203	22.5	14.2	21.4

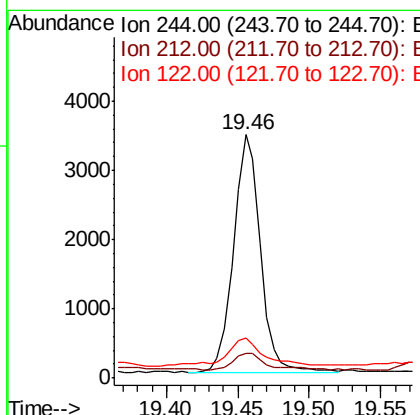
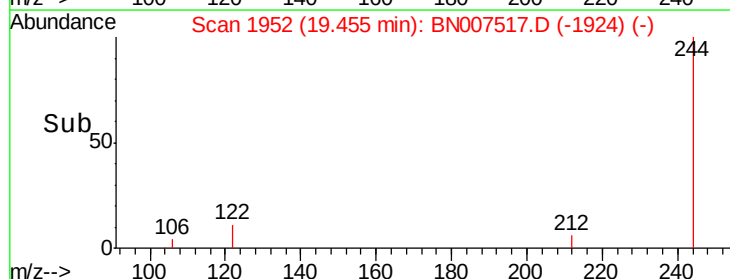
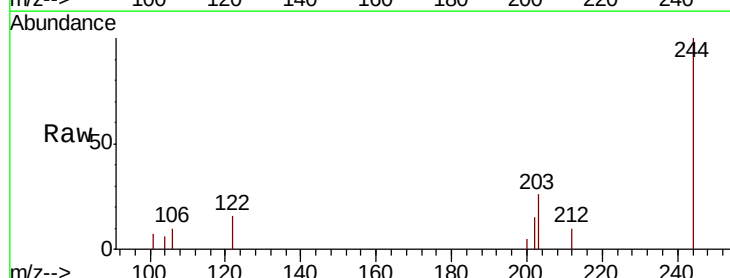
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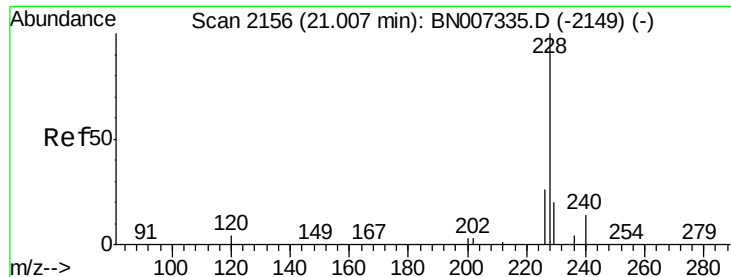
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#29
Terphenyl-d14
Concen: 0.044 ng
RT: 19.46 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.2	7.0	10.6
122	16.5	9.6	14.4





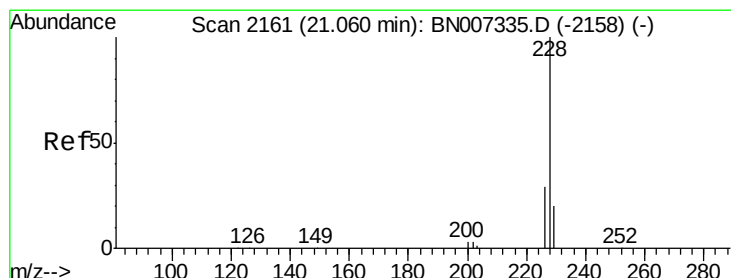
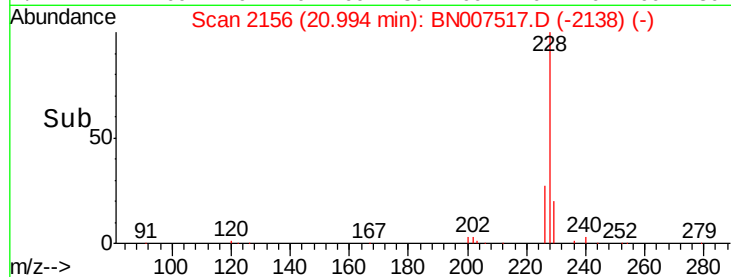
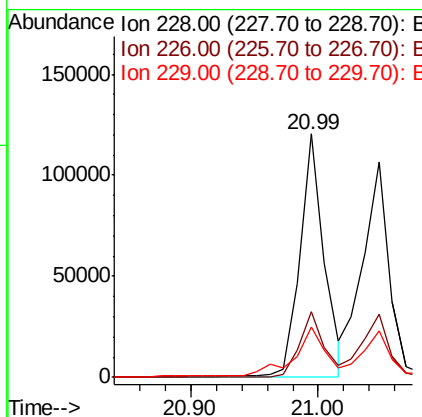
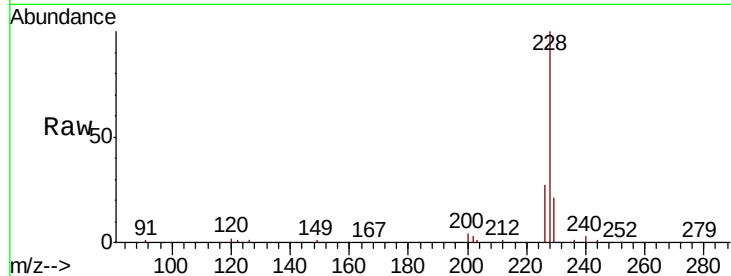
#30
Benzo(a)anthracene
Concen: 1.031 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	20.8	16.1	24.1

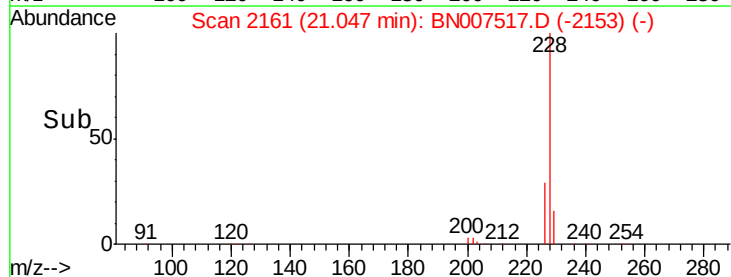
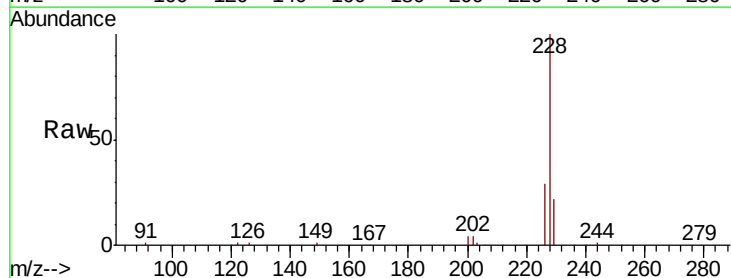
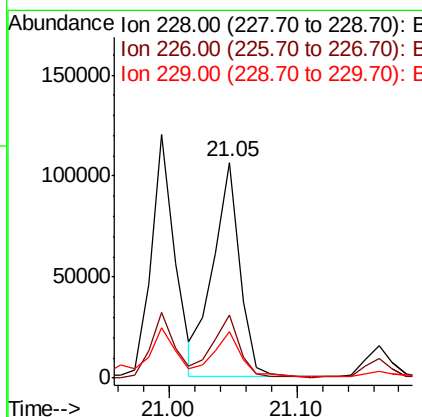
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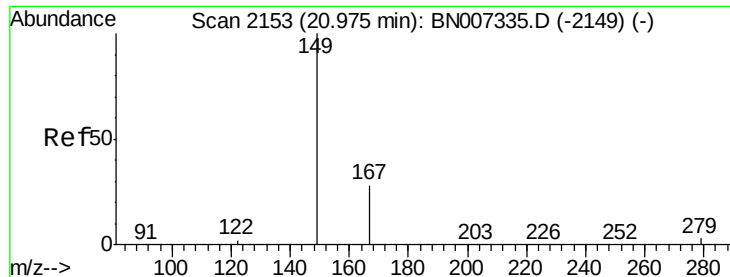
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#31
Chrysene
Concen: 1.039 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	21.8	16.6	24.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.036 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

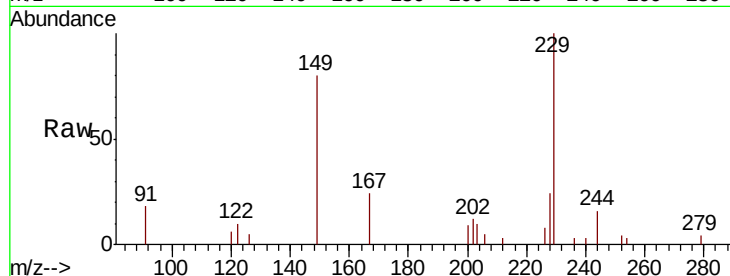
ClientSampleId :

S602-M-1.0-1.5-082319DL

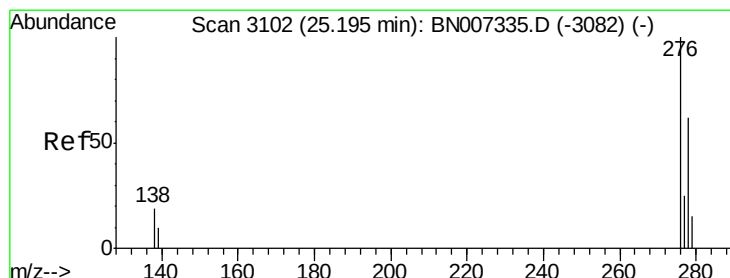
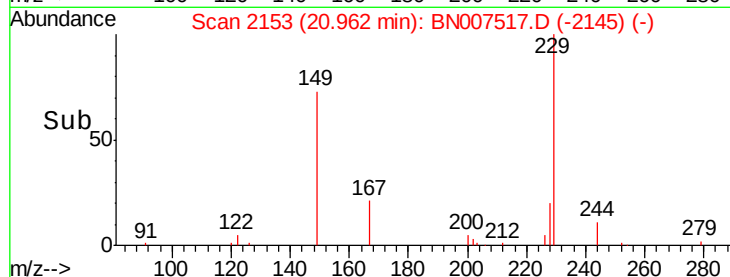
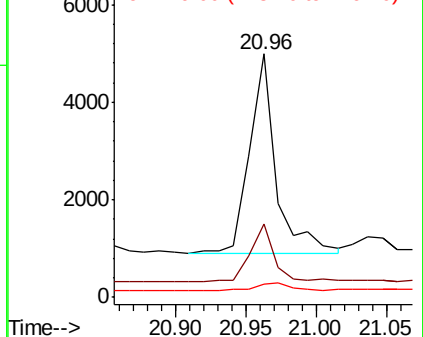
Tot Ion:	149	Resp:	5457
Ion Ratio	Lower	Upper	
149	100		
167	27.7	22.8	34.2
279	5.3	3.5	5.3

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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: 0.450 ng

RT: 25.17 min Scan# 3097

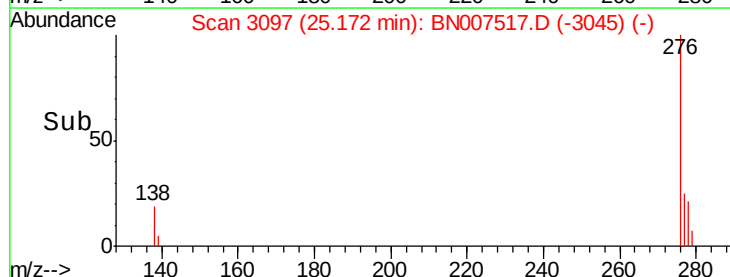
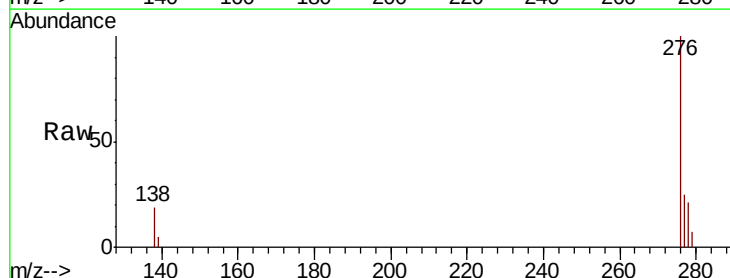
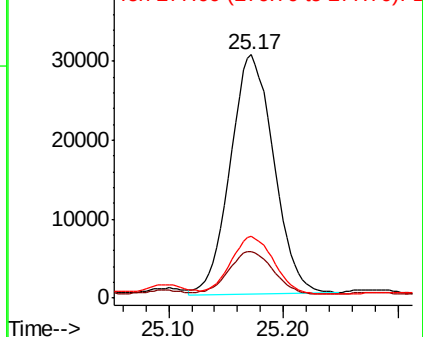
Delta R.T. -0.02 min

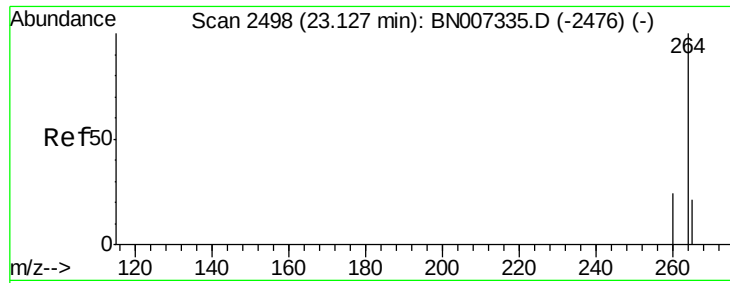
Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Tgt Ion:	276	Resp:	79869
Ion Ratio	Lower	Upper	
276	100		
138	19.3	15.1	22.7
277	25.1	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





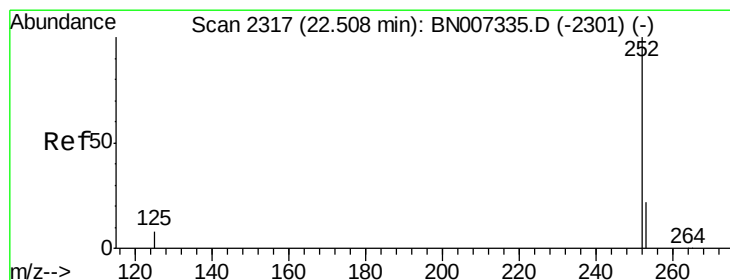
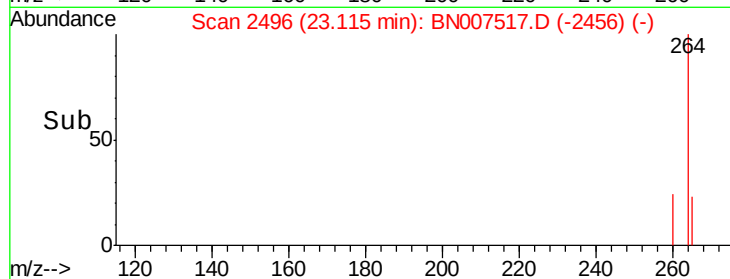
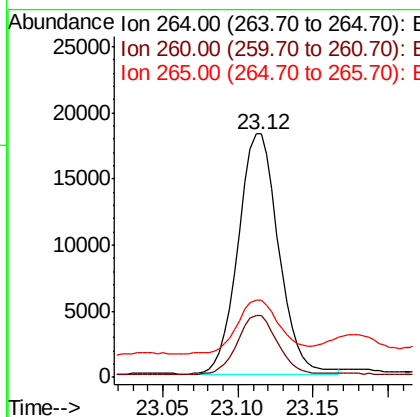
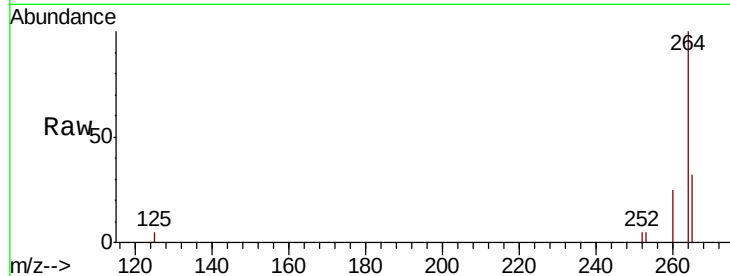
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2496
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	31.9	29.9	44.9

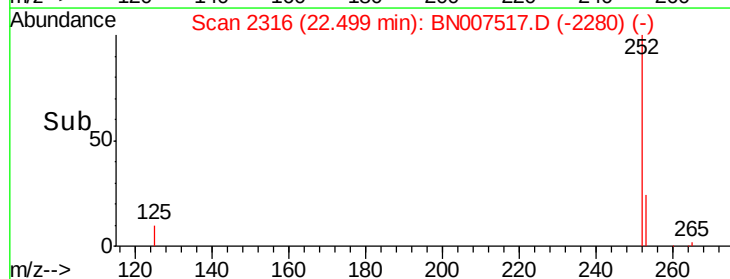
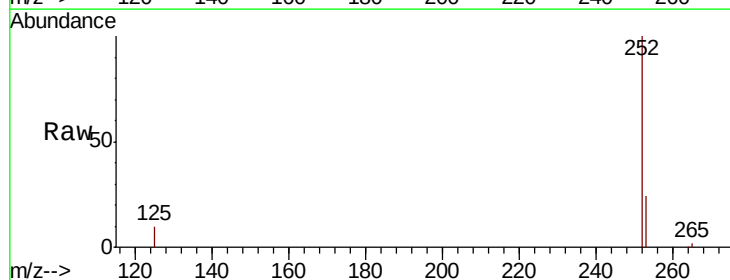
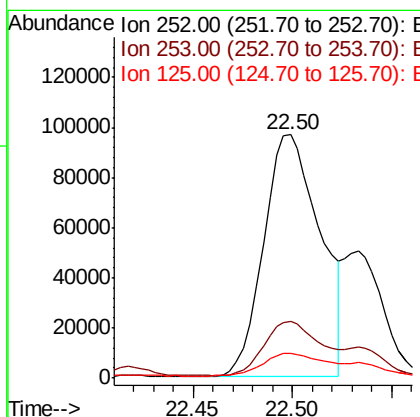
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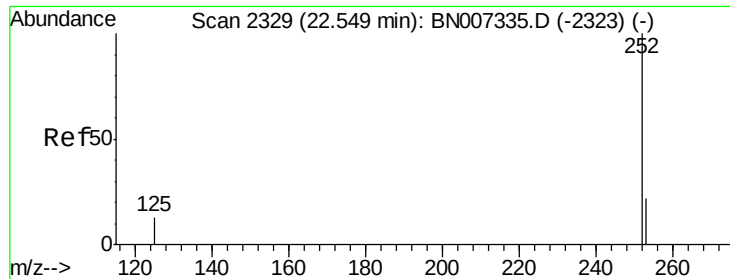
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#35
Benzo(b)fluoranthene
Concen: 1.595 ng
RT: 22.50 min Scan# 2316
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.2	28.8
125	10.0	10.6	16.0





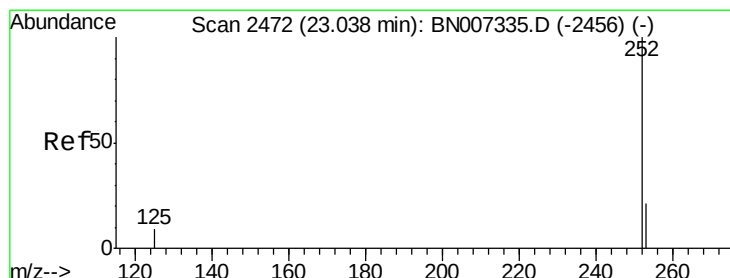
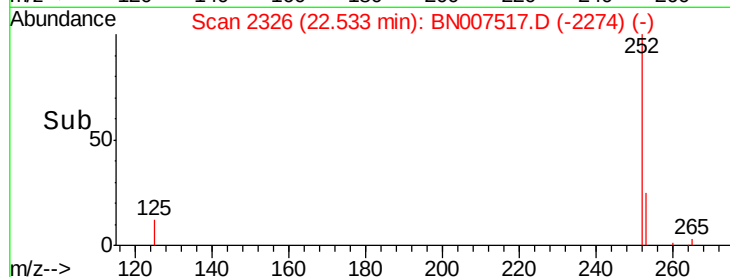
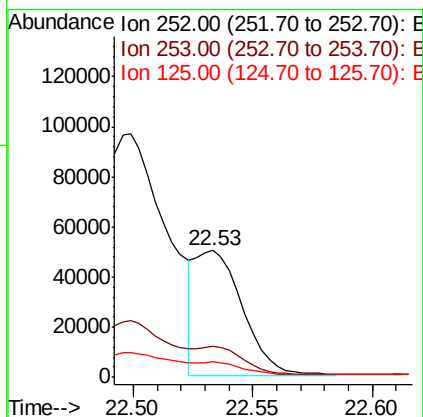
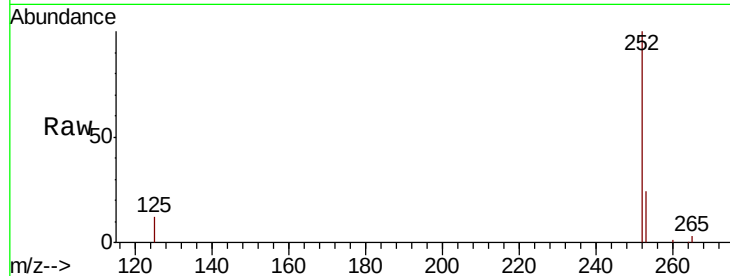
#36
Benzo(k)fluoranthene
Concen: 0.577 ng m
RT: 22.53 min Scan# 2326
Delta R.T. -0.02 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.4	29.2
125	12.1	13.1	19.7#

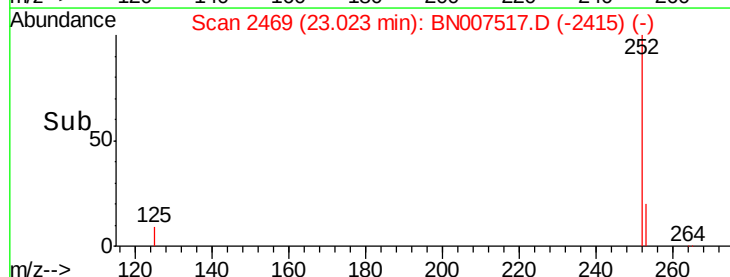
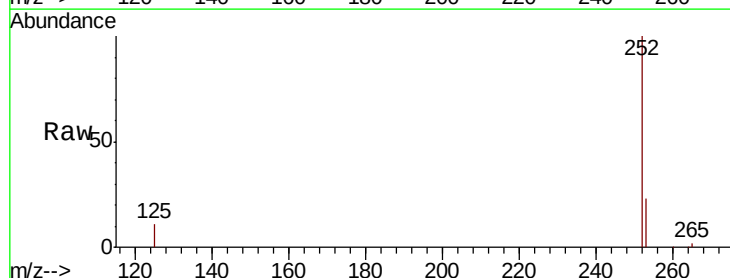
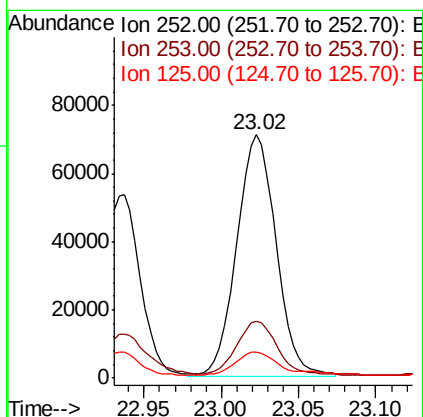
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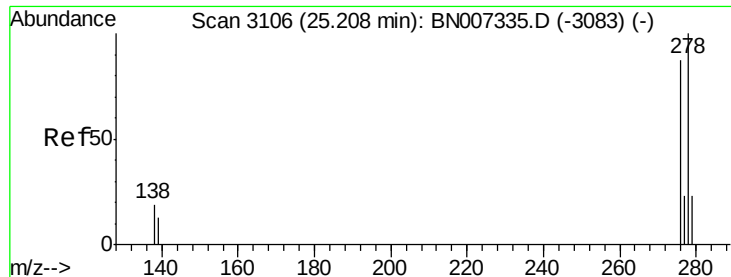
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#37
Benzo(a)pyrene
Concen: 1.097 ng m
RT: 23.02 min Scan# 2469
Delta R.T. -0.02 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.5	29.3
125	10.8	12.1	18.1#





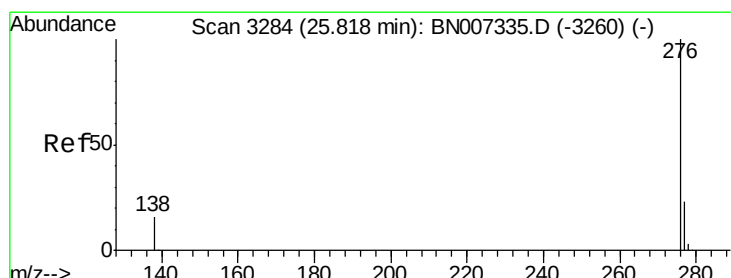
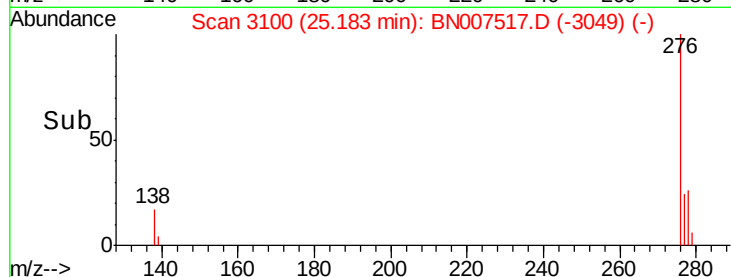
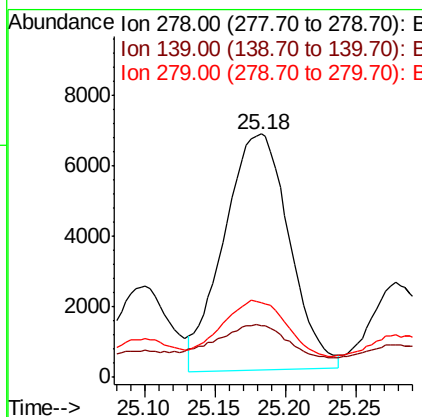
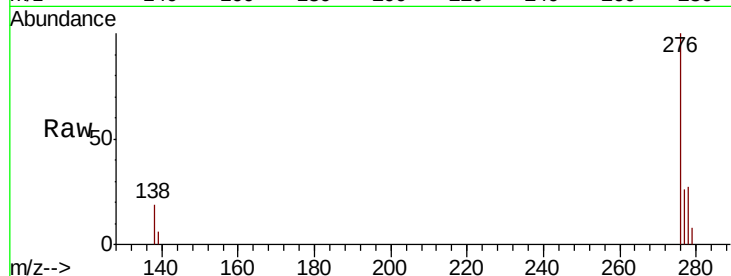
#38
Dibenzo(a,h)anthracene
Concen: 0.191 ng
RT: 25.18 min Scan# 3100
Delta R.T. -0.03 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.2	13.7	20.5#
279	30.8	20.2	30.4#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.687 ng
RT: 25.80 min Scan# 3280
Delta R.T. -0.02 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.6	29.4
138	20.1	16.3	24.5

