

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
 Data File : BN007415.D
 Acq On : 26 Aug 2019 18:25
 Operator : HP/JU
 Sample : K4514-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 8/30/2019 8:57:11 AM

Quant Time: Aug 27 06:40:22 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	5070	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	18795	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	10344	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	19167	0.40	ng	0.00
27) Chrysene-d12	21.02	240	22879	0.40	ng	0.00
34) Perylene-d12	23.12	264	26506	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.03	112	5064	0.28	ng	0.00
5) Phenol-d6	6.59	99	6105	0.26	ng	0.00
8) Nitrobenzene-d5	8.53	82	4728	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	8541	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1471	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	10440	0.25	ng	0.00
25) Fluoranthene-d10	18.84	212	17980	0.29	ng	0.00
29) Terphenyl-d14	19.46	244	13426	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	4231	0.079	ng	94
12) 2-Methylnaphthalene	11.83	142	7636	0.209	ng	98
16) Acenaphthylene	13.76	152	7926	0.130	ng	# 77
17) Acenaphthene	14.10	154	20840	0.582	ng	99
18) Fluorene	15.10	166	18046	0.398	ng	# 96
23) Phenanthrene	16.84	178	263859	4.577	ng	99
24) Anthracene	16.92	178	59574	1.027	ng	# 95
26) Fluoranthene	18.87	202	859666	11.613	ng	100
28) Pyrene	19.24	202	761017	8.269	ng	# 94
30) Benzo(a)anthracene	21.00	228	530523	5.904	ng	99
31) Chrysene	21.05	228	451570	5.207	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	13613	0.215	ng	95
33) Indeno(1,2,3-cd)pyrene	25.18	276	389267	3.726	ng	98
35) Benzo(b)fluoranthene	22.51	252	762546m	7.940	ng	
36) Benzo(k)fluoranthene	22.54	252	238435m	2.512	ng	
37) Benzo(a)pyrene	23.03	252	526251m	5.758	ng	
38) Dibenzo(a,h)anthracene	25.19	278	96554	1.059	ng	95
39) Benzo(a,h,i)perylene	25.81	276	374195	4.119	ng	97

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

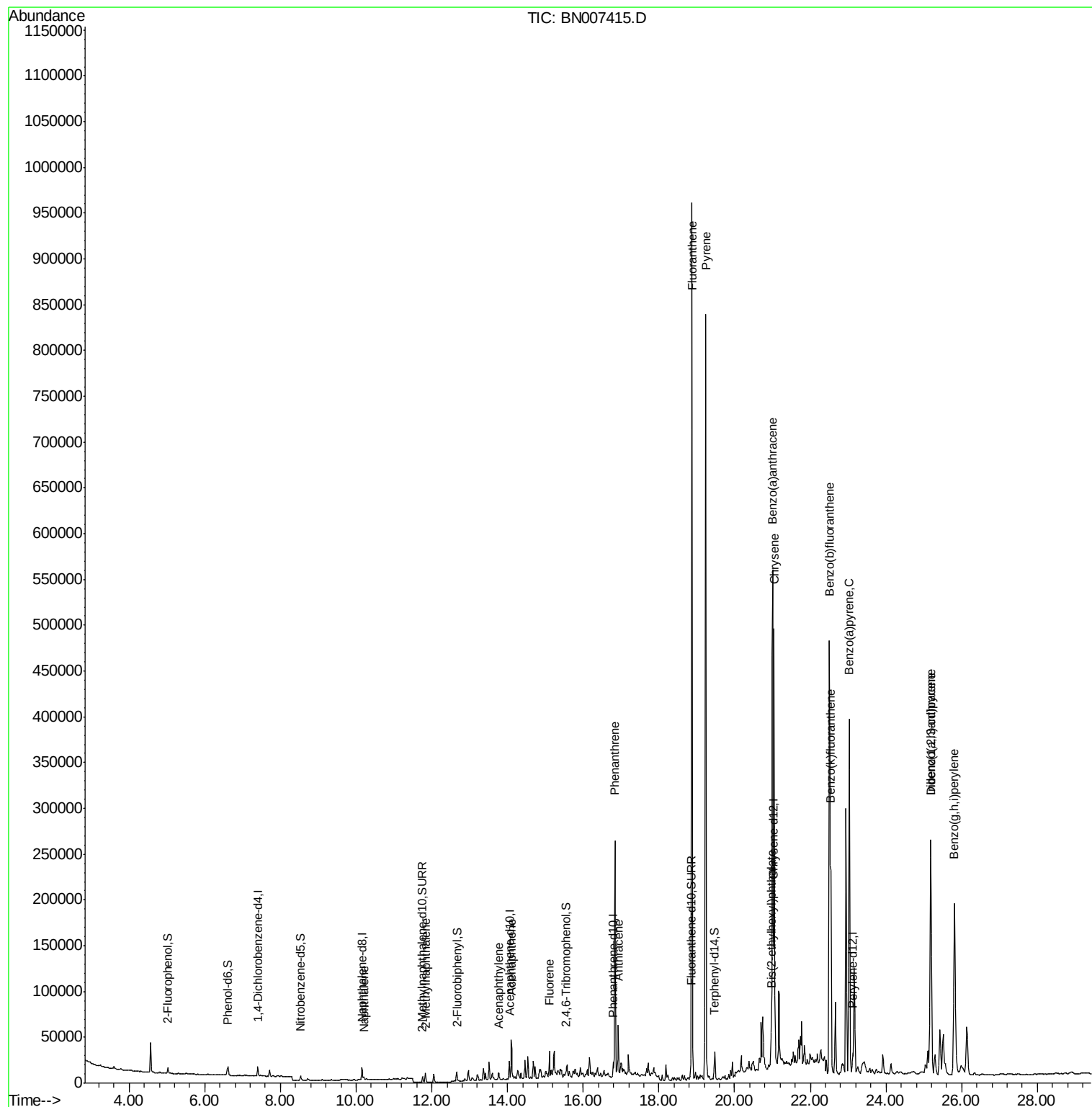
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
Data File : BN007415.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

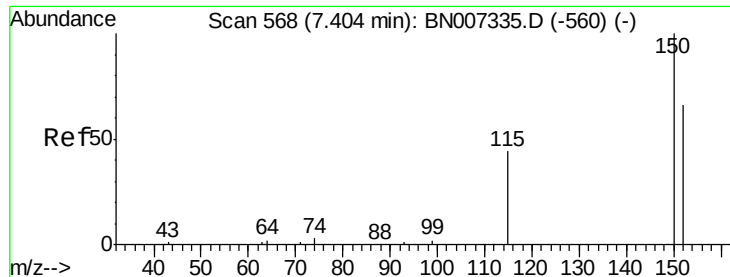
Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319

Manual Integrations
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8/30/2019 8:57:11 AM

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#1

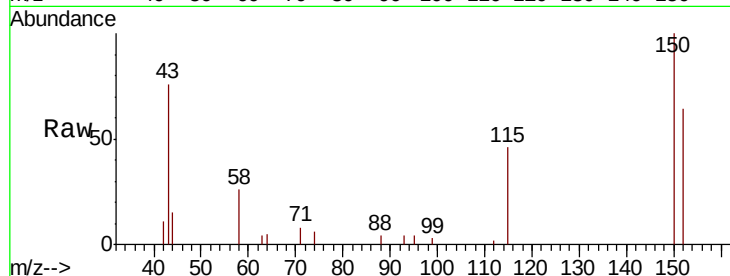
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	109.1	163.7
115	71.2	59.6	89.4

Manual Integrations
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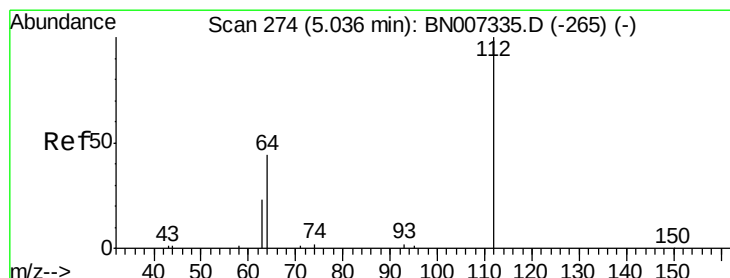
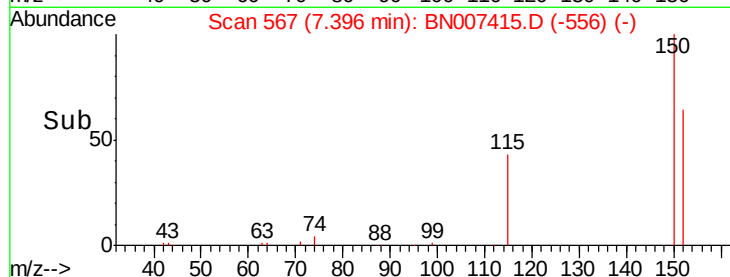
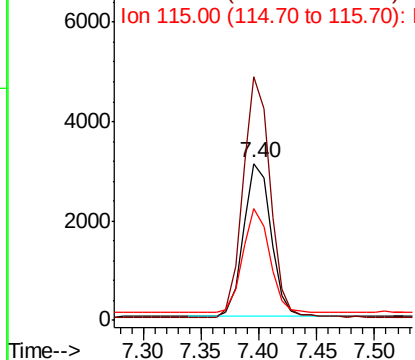


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

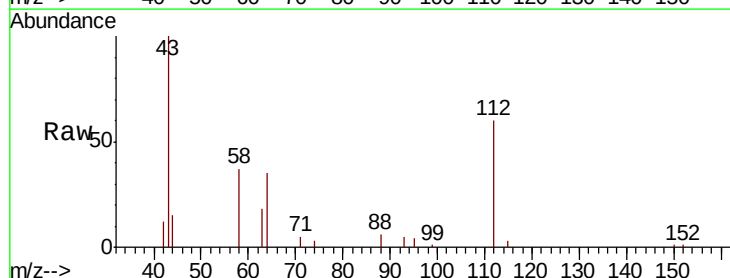
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.279 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	42.3	63.5
63	27.2	23.6	35.4

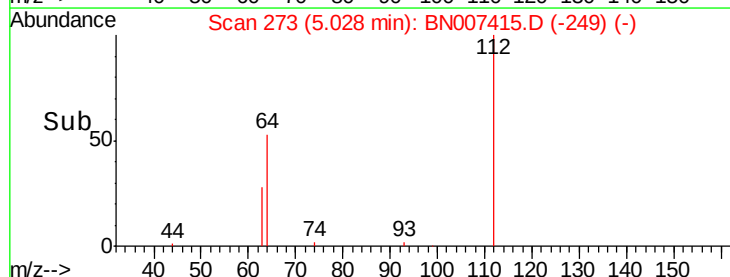
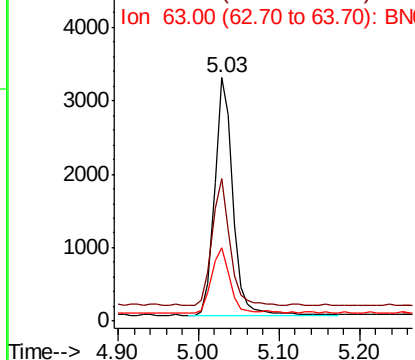


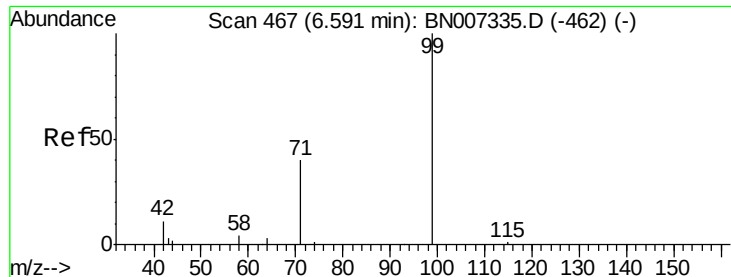
Abundance

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: 0.262 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

Instrument :

BNA_N

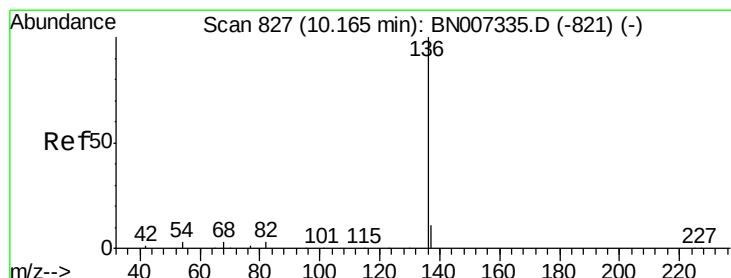
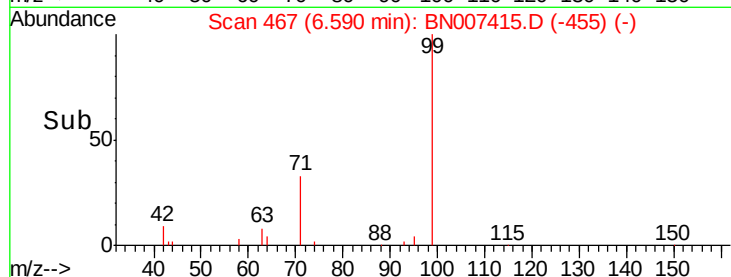
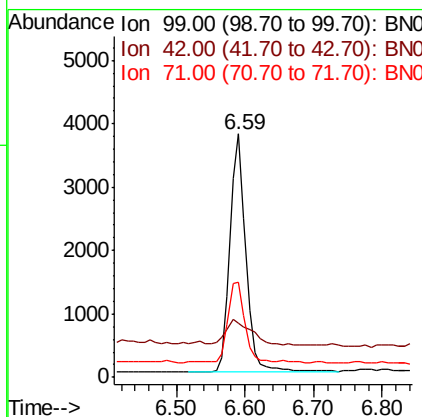
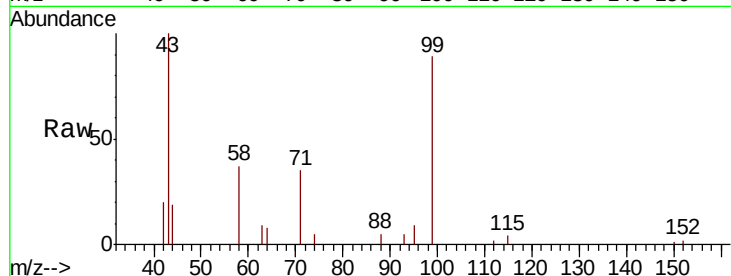
ClientSampleId :

S602-M-1.0-1.5-082319

Tot Ion:	99	Resp:	6105
Ion	Ratio	Lower	Upper
99	100		
42	17.1	11.2	16.8#
71	36.8	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

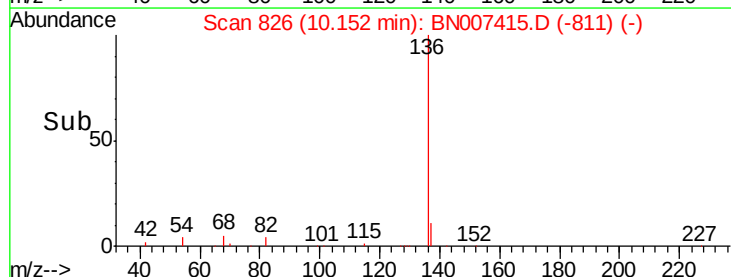
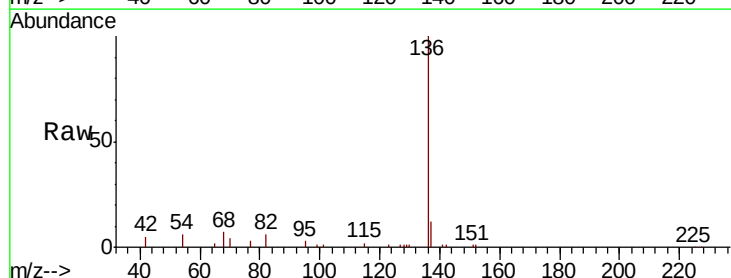
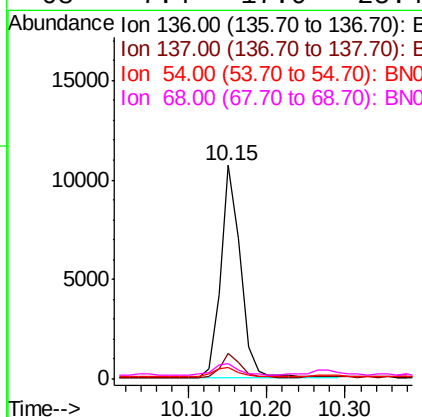
RT: 10.15 min Scan# 826

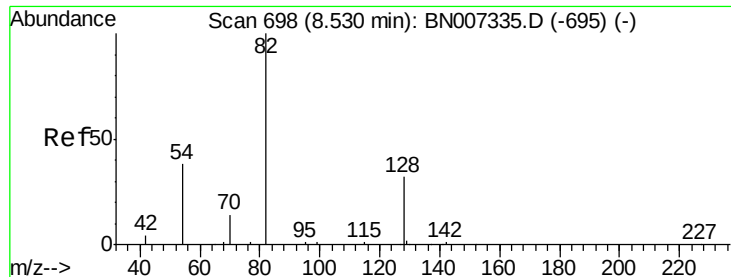
Delta R.T. -0.01 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

Tgt Ion:	136	Resp:	18795
Ion	Ratio	Lower	Upper
136	100		
137	11.9	12.9	19.3#
54	5.7	8.6	12.8#
68	7.4	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.289 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

Instrument :

BNA_N

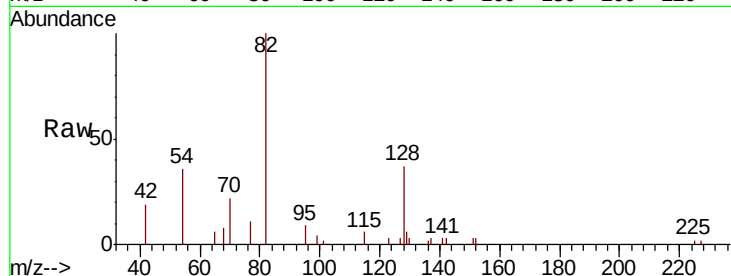
ClientSampleId :

S602-M-1.0-1.5-082319

Tot Ion:	82	Resp:	4728
Ion Ratio	Lower	Upper	
82	100		
128	37.2	19.7	29.5#
54	36.2	25.8	38.6

Manual Integrations
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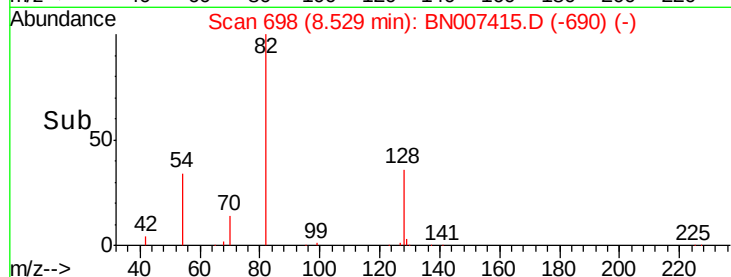


Abundance Ion 82.00 (81.70 to 82.70): BN007415.D (-690) (-)

Ion 128.00 (127.70 to 128.70): BN007415.D (-690) (-)

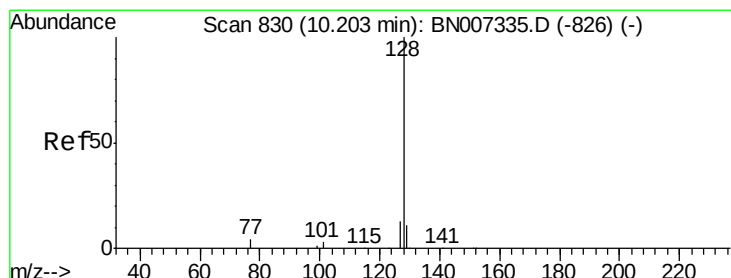
Ion 54.00 (53.70 to 54.70): BN007415.D (-690) (-)

Time-->



Abundance

Time-->



#9

Naphthalene

Concen: 0.079 ng

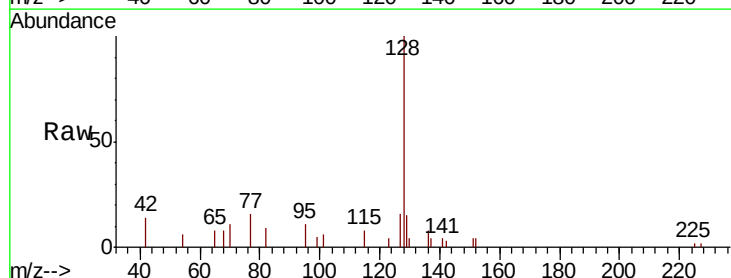
RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

Tgt Ion:	128	Resp:	4231
Ion Ratio	Lower	Upper	
128	100		
129	14.7	11.1	16.7
127	15.7	15.5	23.3

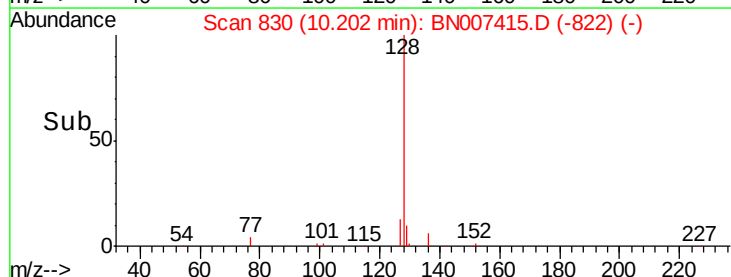


Abundance Ion 128.00 (127.70 to 128.70): BN007415.D (-822) (-)

Ion 129.00 (128.70 to 129.70): BN007415.D (-822) (-)

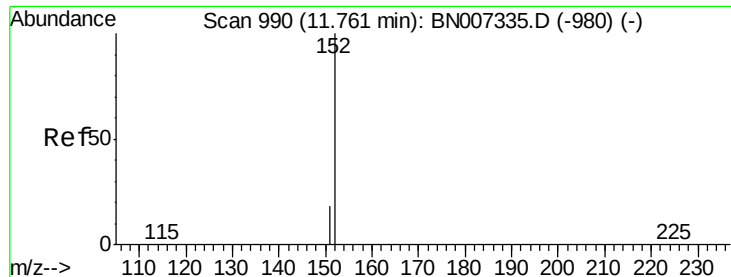
Ion 127.00 (126.70 to 127.70): BN007415.D (-822) (-)

Time-->



Abundance

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.273 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.01 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319

Tot Ion:152 Resp: 8541

Ion Ratio Lower Upper

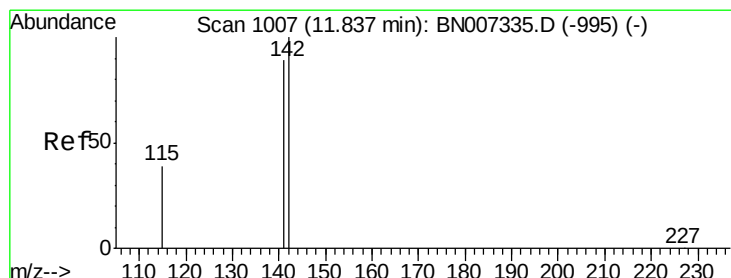
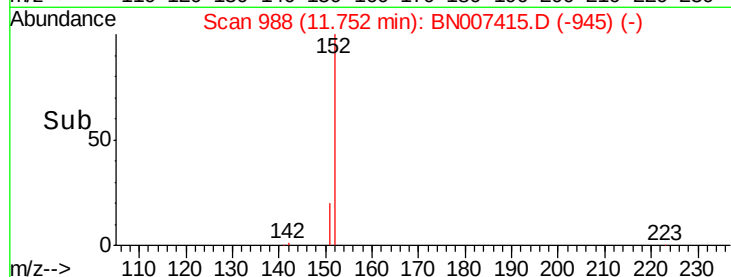
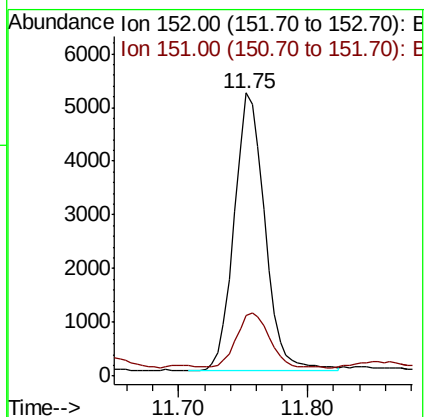
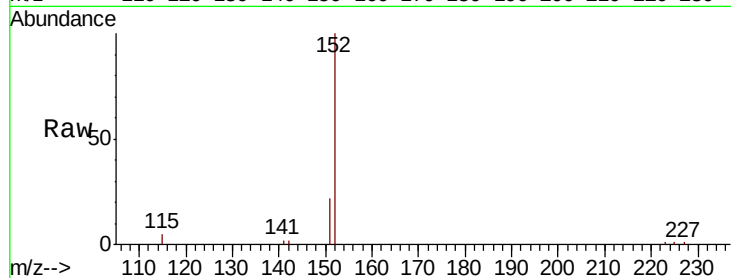
152 100

151 21.5 16.2 24.2

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#12

2-Methylnaphthalene

Concen: 0.209 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

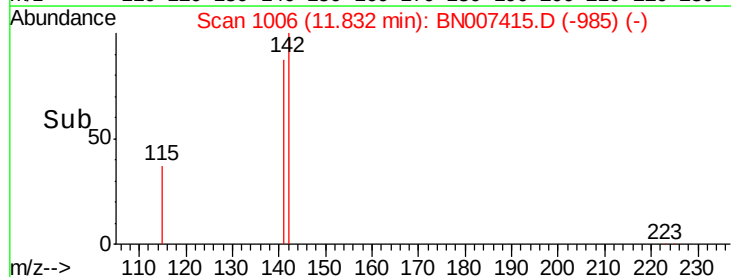
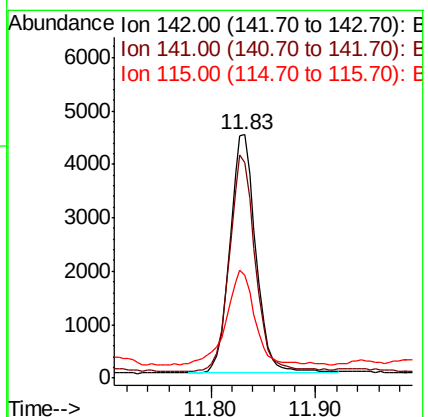
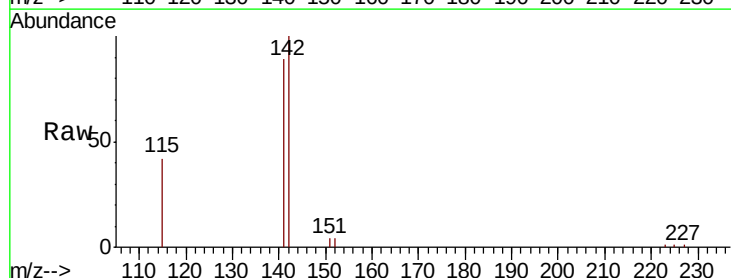
Tgt Ion:142 Resp: 7636

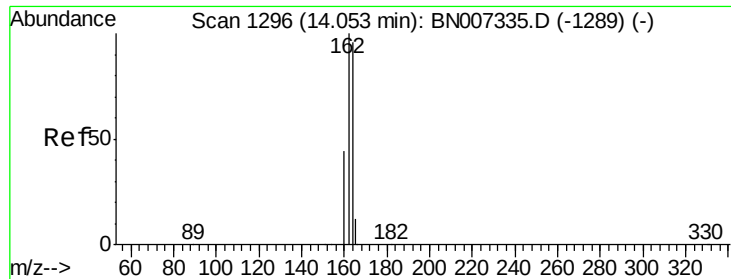
Ion Ratio Lower Upper

142 100

141 88.7 72.8 109.2

115 42.3 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: BN007415.D

Acq: 26 Aug 2019 18:25

Instrument :

BNA_N

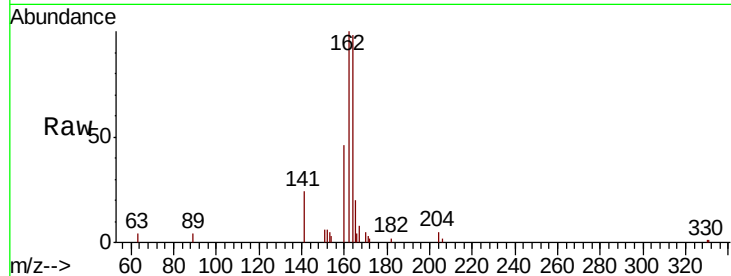
ClientSampleId :

S602-M-1.0-1.5-082319

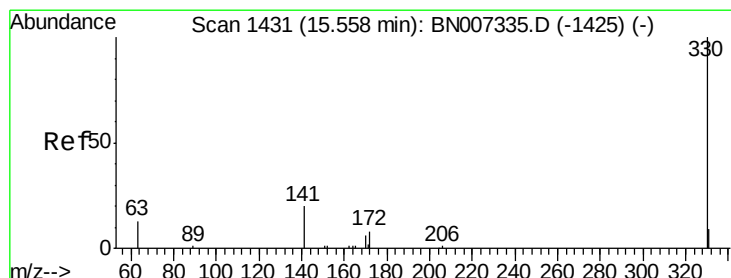
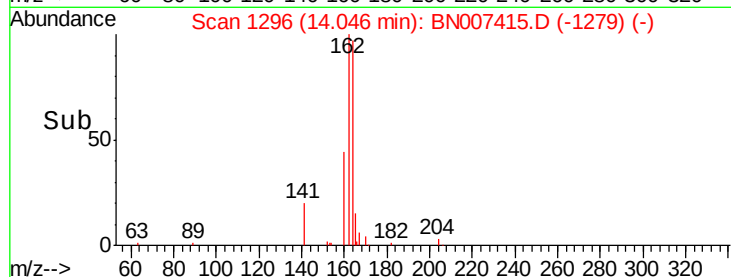
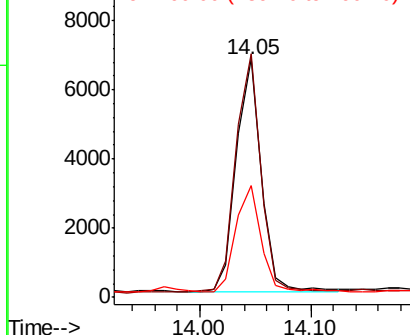
Tot Ion:	164	Resp:	10344
Ion Ratio	Lower	Upper	
164	100		
162	102.2	83.5	125.3
160	46.7	38.2	57.4

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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: 0.272 ng

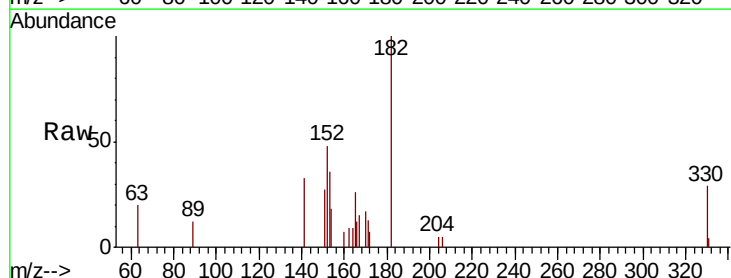
RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

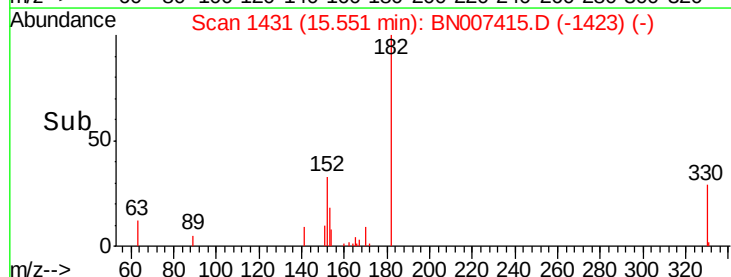
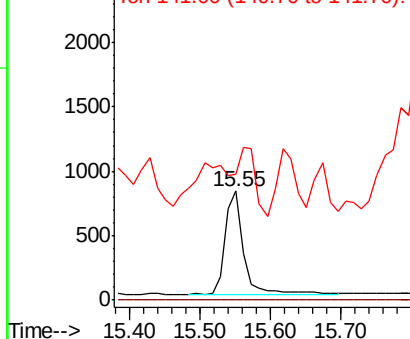
Lab File: BN007415.D

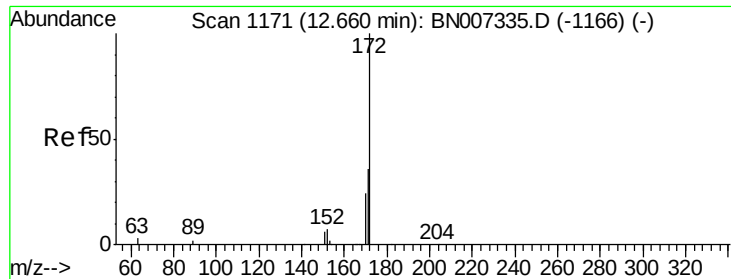
Acq: 26 Aug 2019 18:25

Tgt Ion:	330	Resp:	1471
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	69.1	26.9	40.3#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





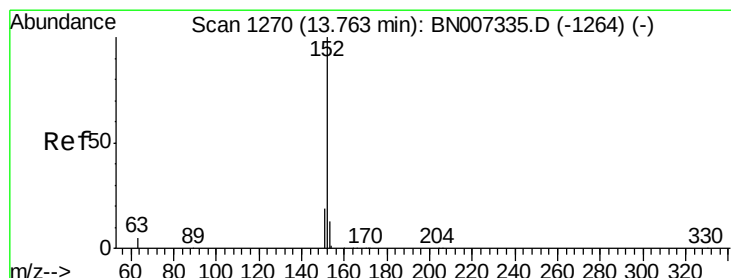
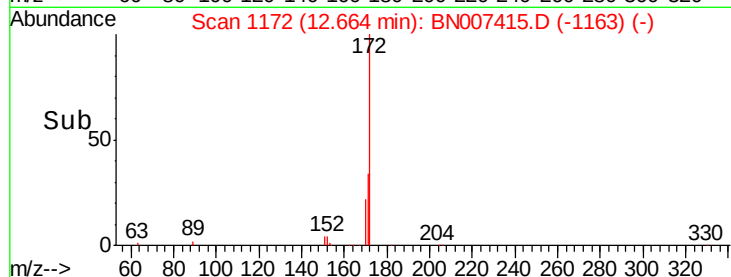
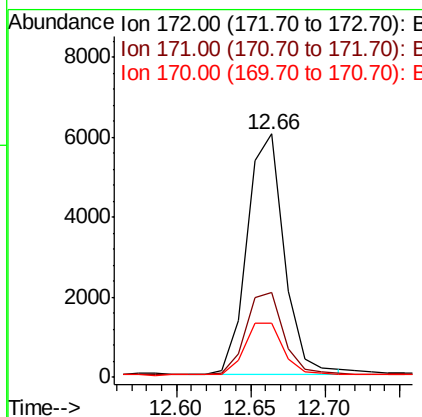
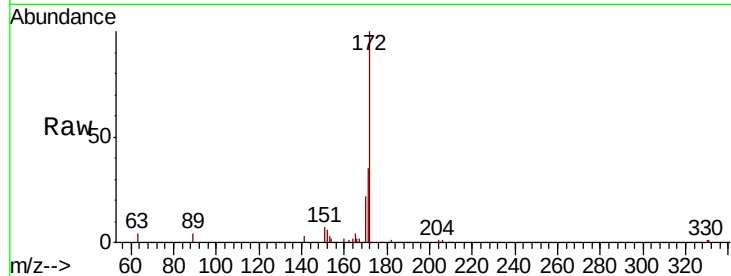
#15
2-Fluorobiphenyl
Concen: 0.250 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.3	45.5
170	22.5	20.7	31.1

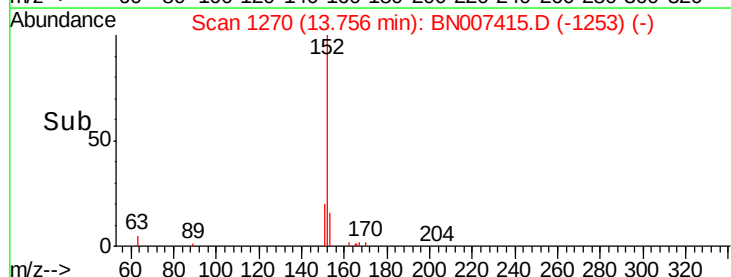
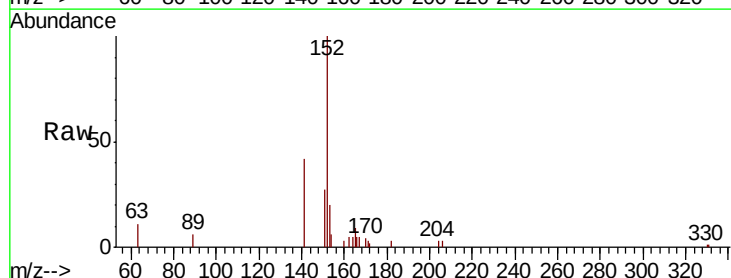
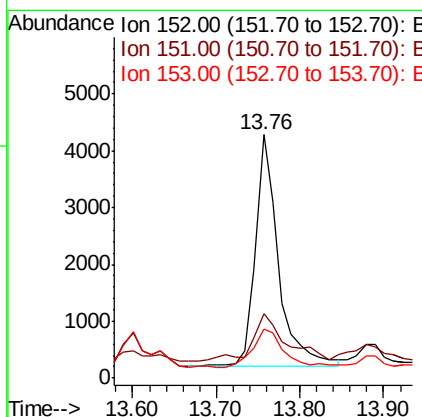
Manual Integrations
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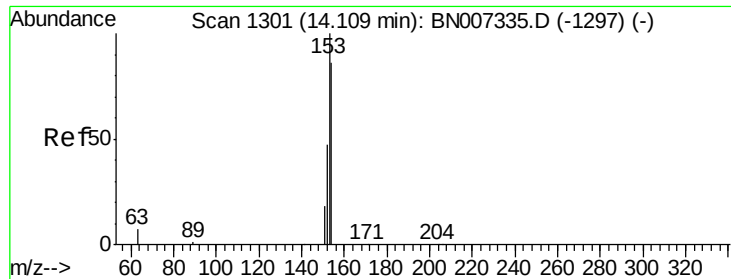
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#16
Acenaphthylene
Concen: 0.130 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	29.4	16.1	24.1#
153	23.8	10.6	15.8#





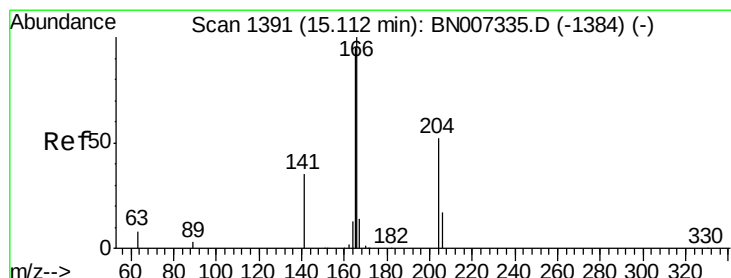
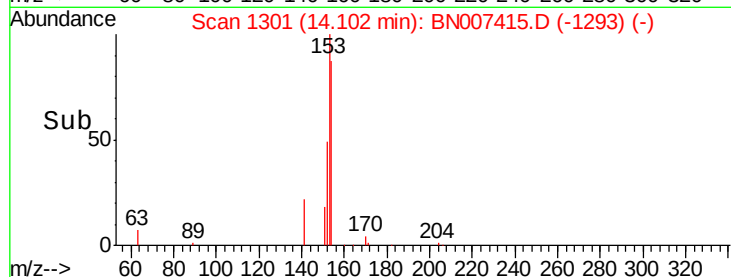
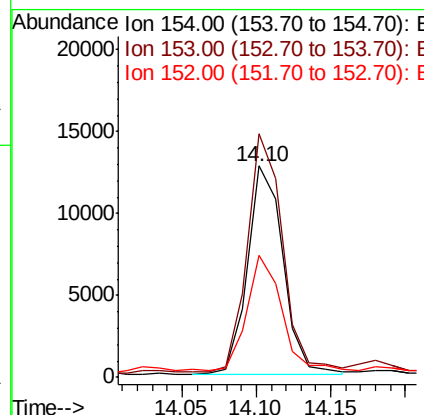
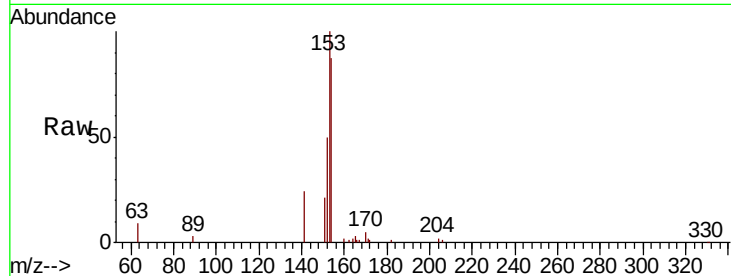
#17
Acenaphthene
Concen: 0.582 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.4	92.8	139.2
152	55.0	43.8	65.8

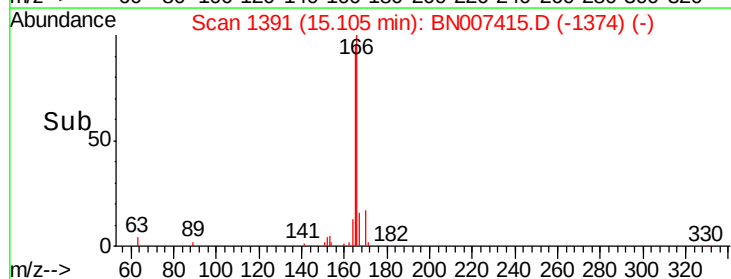
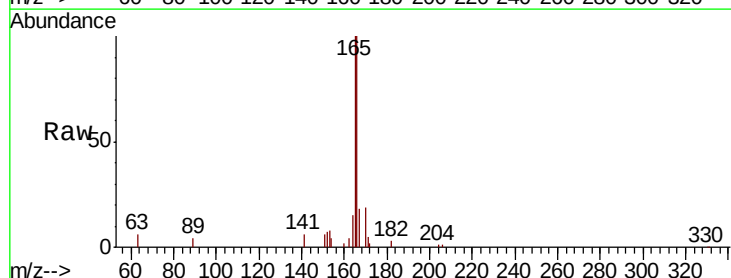
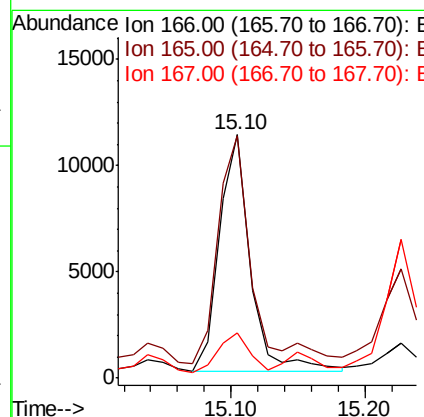
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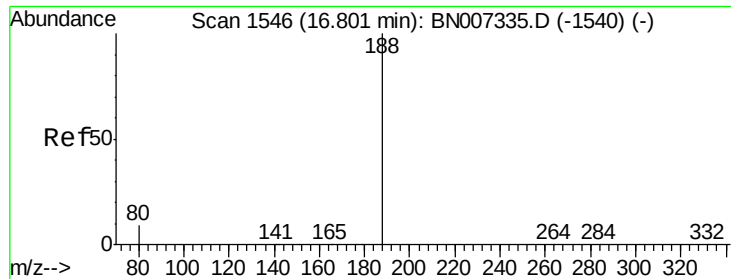
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#18
Fluorene
Concen: 0.398 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.5	79.0	118.4
167	16.0	10.6	15.8#





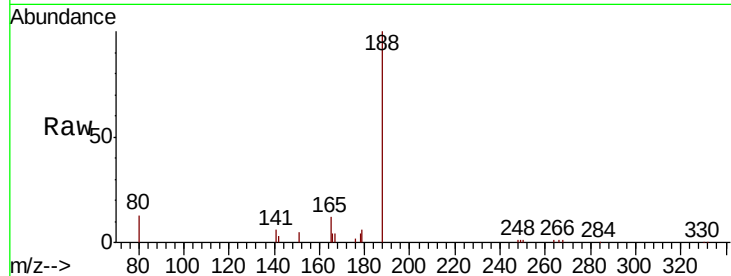
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

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

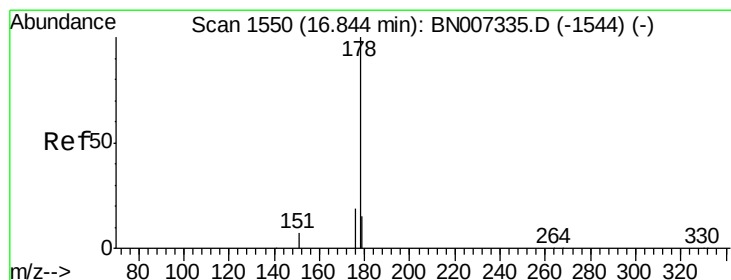
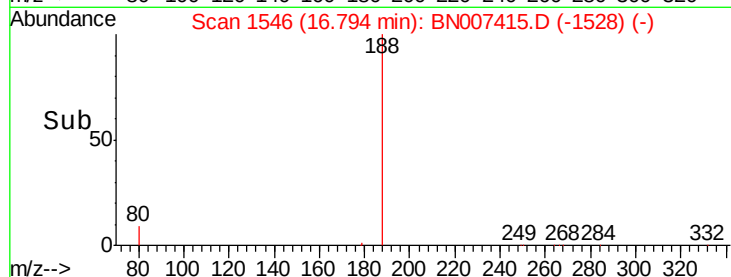
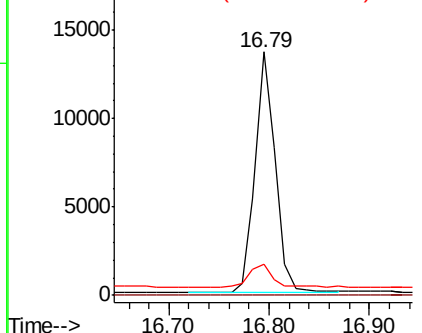
Tot Ion	Ratio	Resp	Lower	Upper
188	100	19167		
94	0.0	0.0	0.0	0.0
80	13.0	11.8	17.8	

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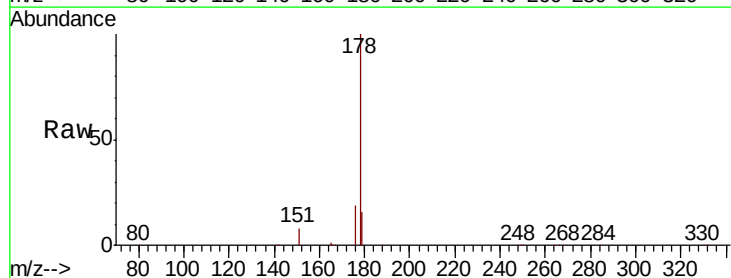


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

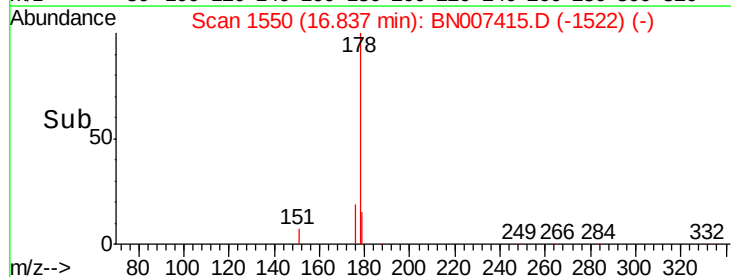
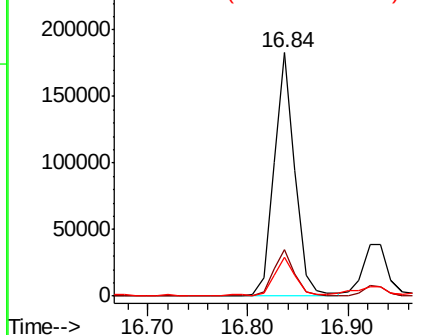


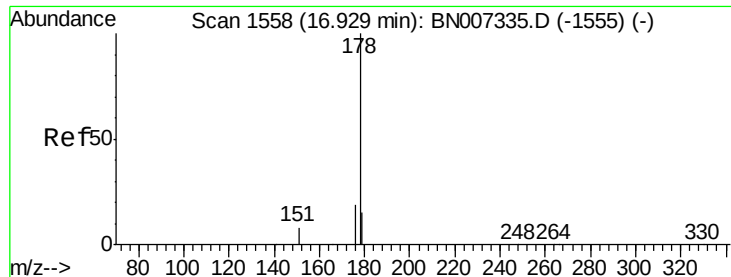
#23
Phenanthrene
Concen: 4.577 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	263859		
176	18.7	15.3	22.9	
179	15.9	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





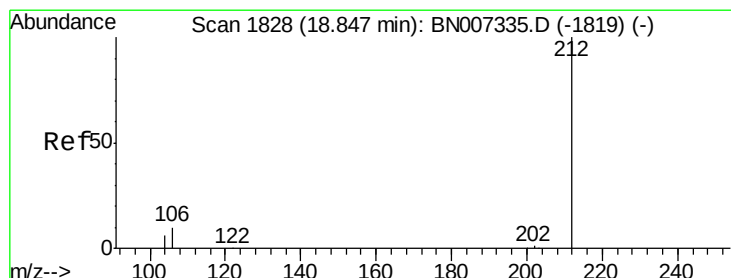
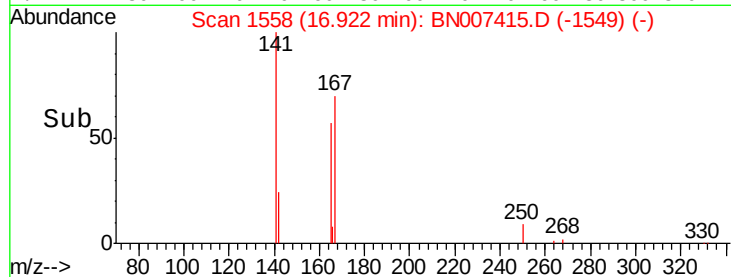
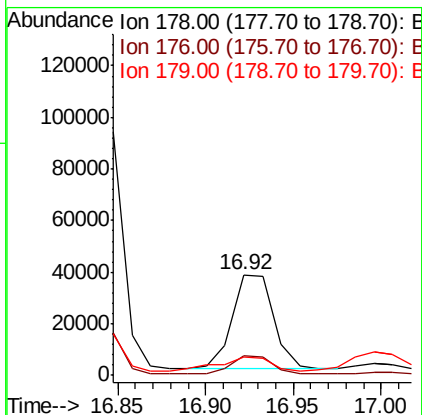
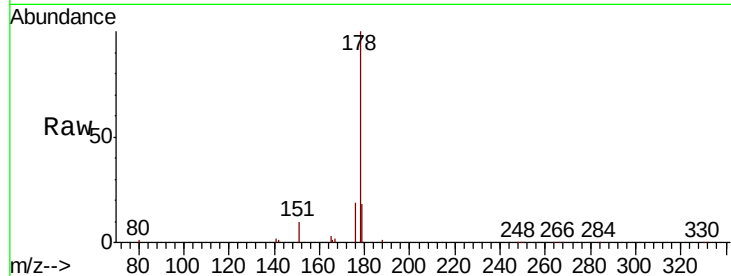
#24
 Anthracene
 Concen: 1.027 ng
 RT: 16.92 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BN007415.D
 Acq: 26 Aug 2019 18:25

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	19.9	12.4	18.6

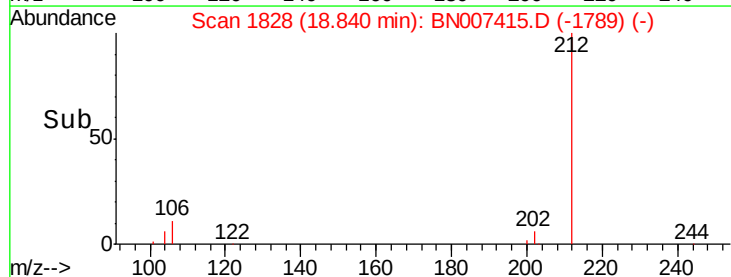
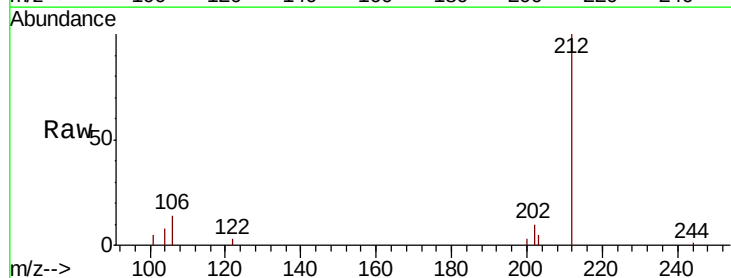
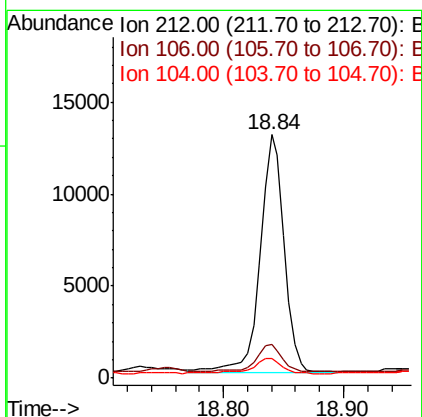
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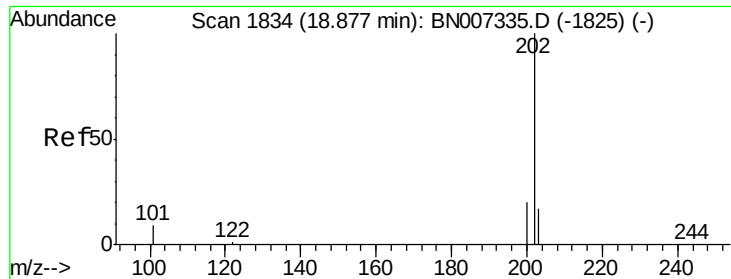
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#25
 Fluoranthene-d10
 Concen: 0.291 ng
 RT: 18.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BN007415.D
 Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.7	9.0	13.4
104	7.2	5.4	8.2





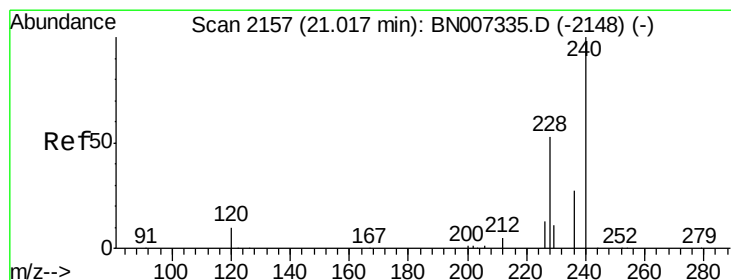
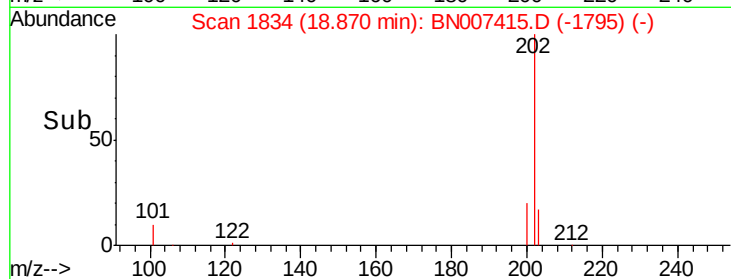
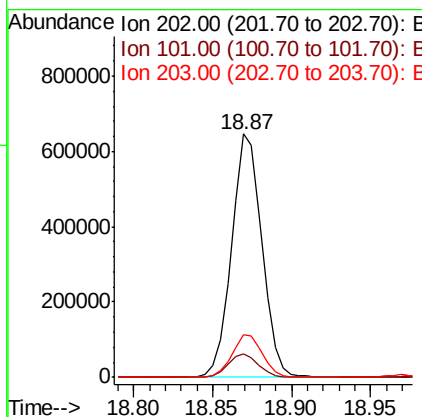
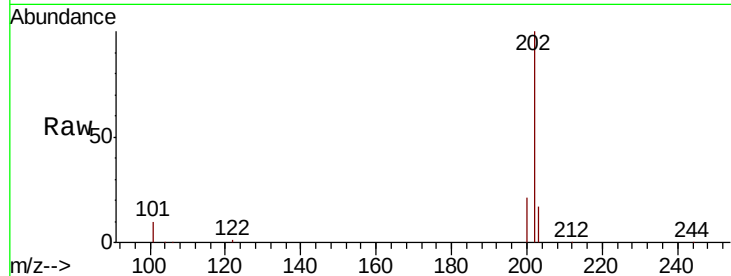
#26
Fluoranthene
Concen: 11.613 ng
RT: 18.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100	859666		
101	9.6		7.7	11.5
203	17.3		13.7	20.5

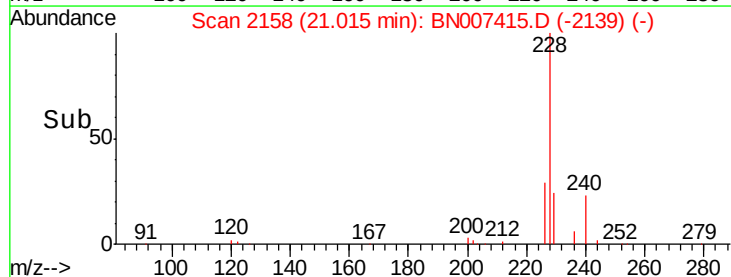
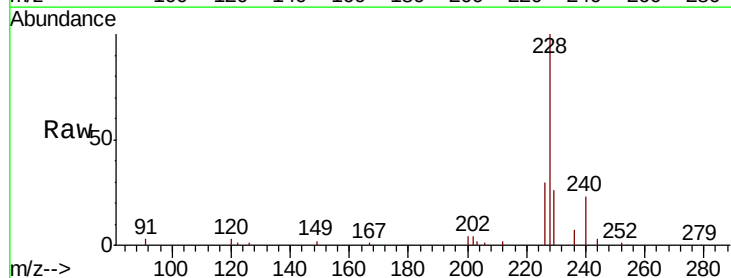
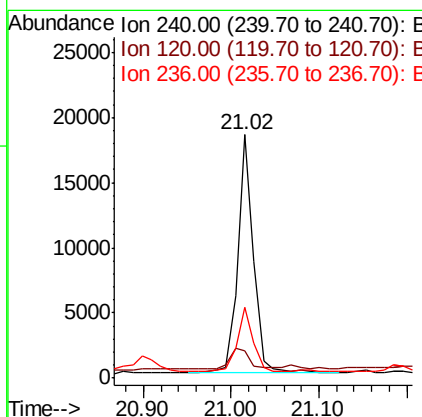
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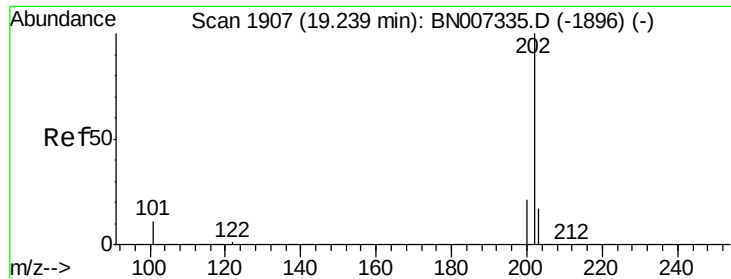
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	22879		
120	11.0		9.6	14.4
236	29.1		22.2	33.2





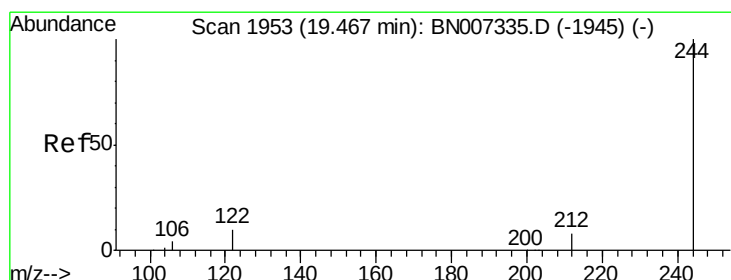
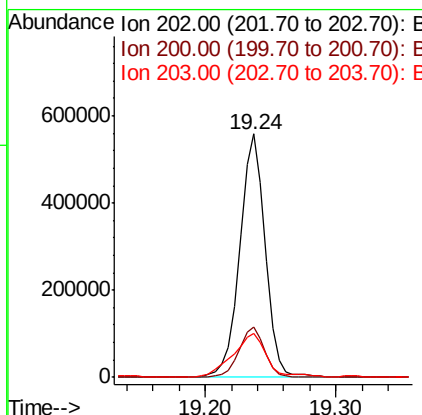
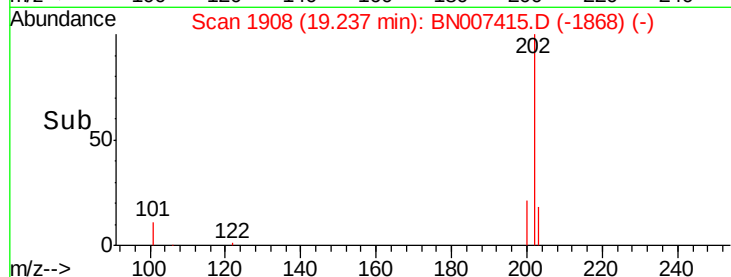
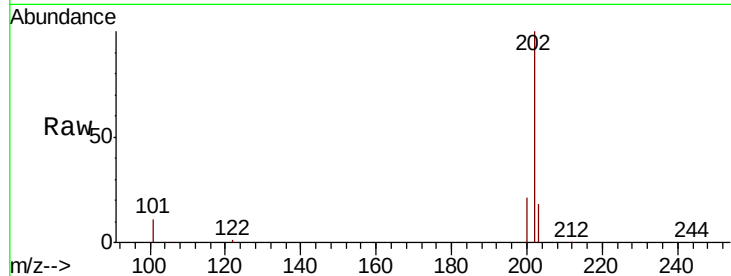
#28
 Pvrene
 Concen: 8.269 ng
 RT: 19.24 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: BN007415.D
 Acq: 26 Aug 2019 18:25

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	16.6	25.0
203	22.9	14.2	21.4

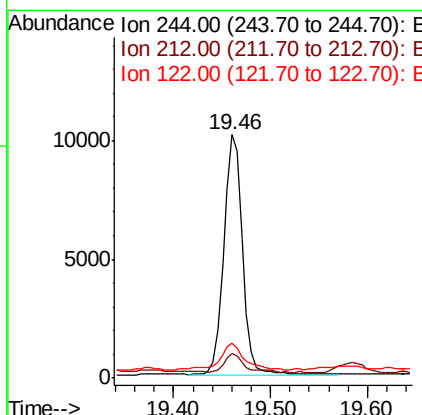
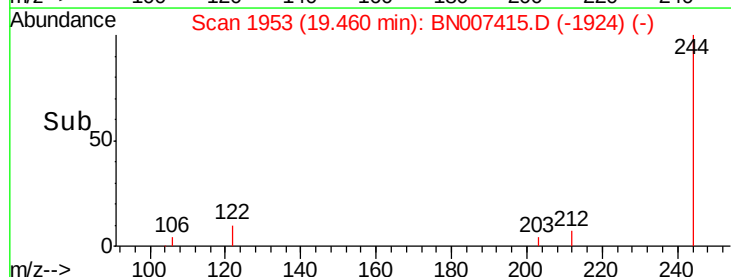
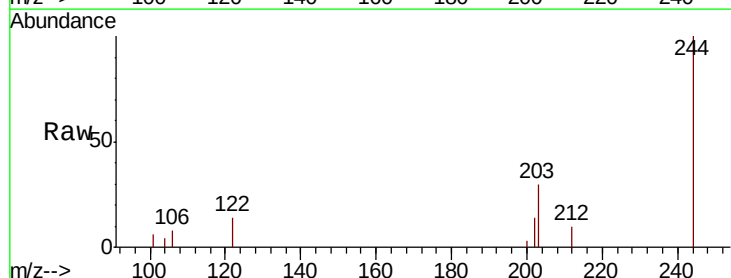
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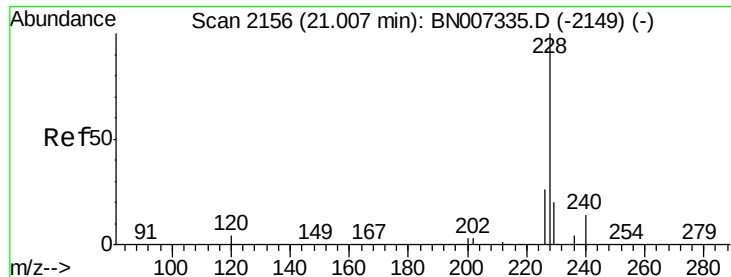
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#29
 Terphenyl-d14
 Concen: 0.224 ng
 RT: 19.46 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BN007415.D
 Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.0	7.0	10.6
122	14.3	9.6	14.4





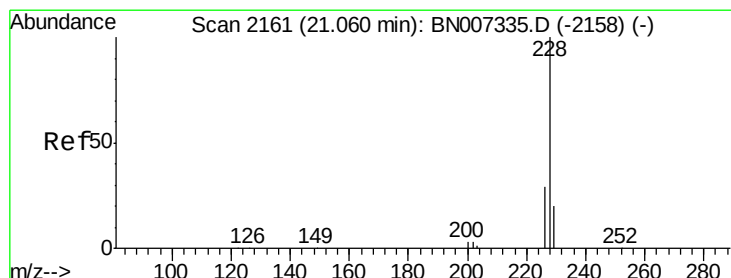
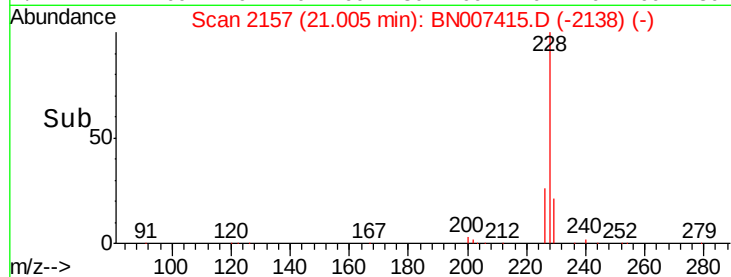
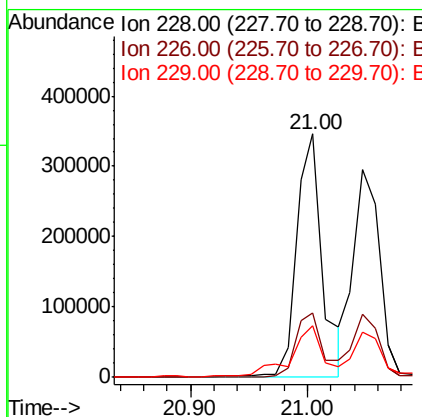
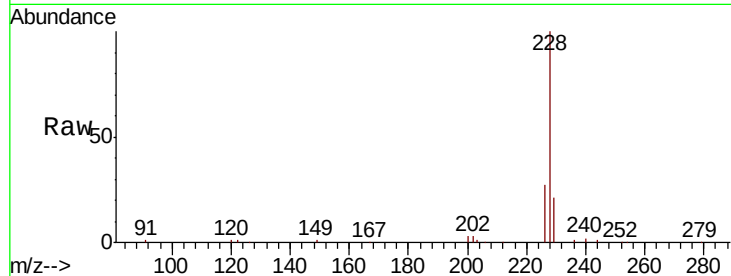
#30
Benzo(a)anthracene
Concen: 5.904 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	21.3	16.1	24.1

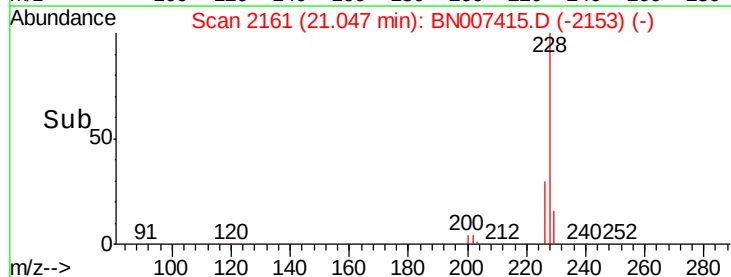
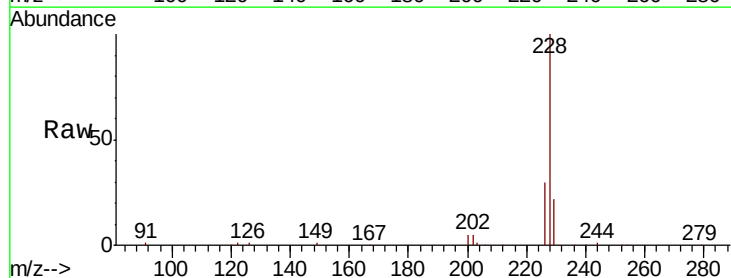
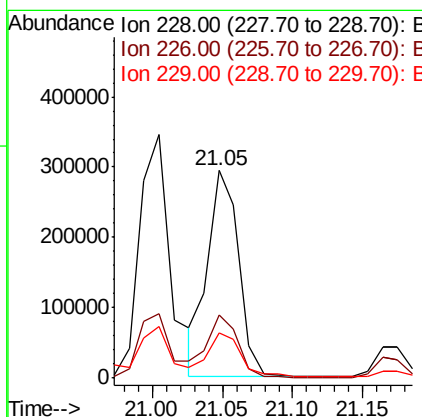
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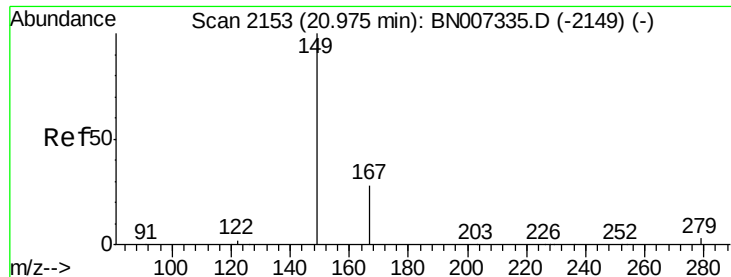
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#31
Chrysene
Concen: 5.207 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.5	35.3
229	21.7	16.6	24.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.215 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

Instrument :

BNA_N

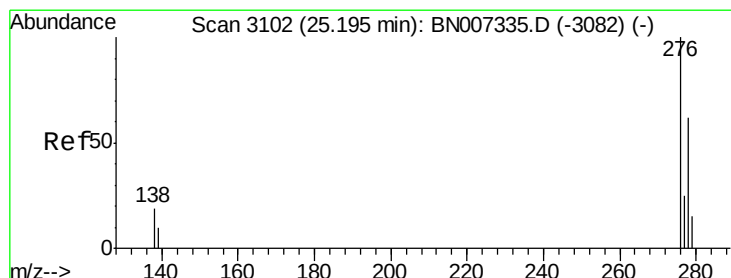
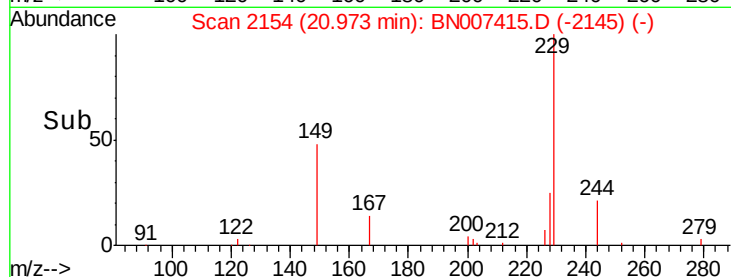
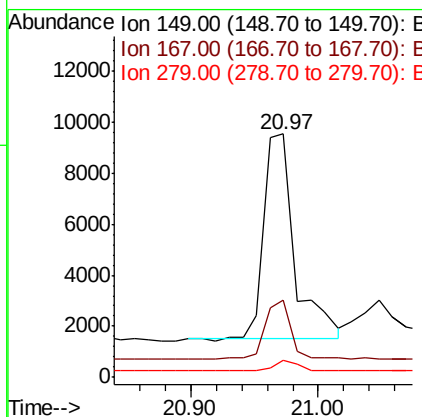
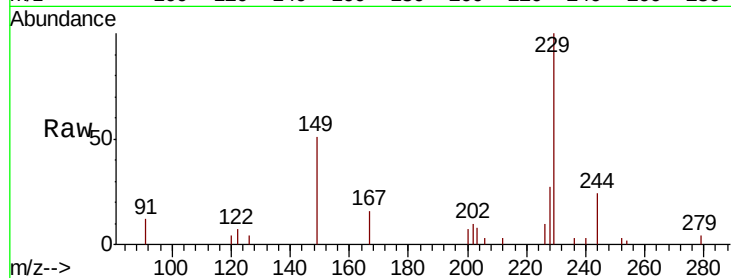
ClientSampleId :

S602-M-1.0-1.5-082319

Tot Ion:	149	Resp:	13613
Ion Ratio	Lower	Upper	
149	100		
167	25.9	22.8	34.2
279	4.9	3.5	5.3

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#33

Indeno(1,2,3-cd)pyrene

Concen: 3.726 ng

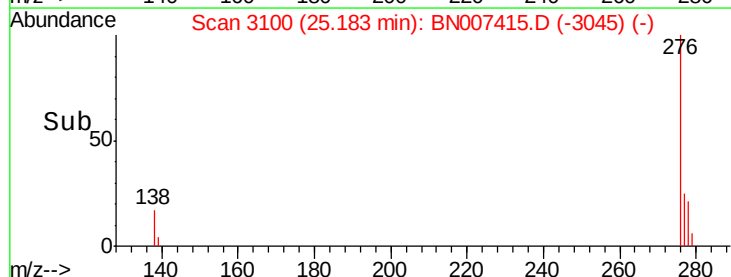
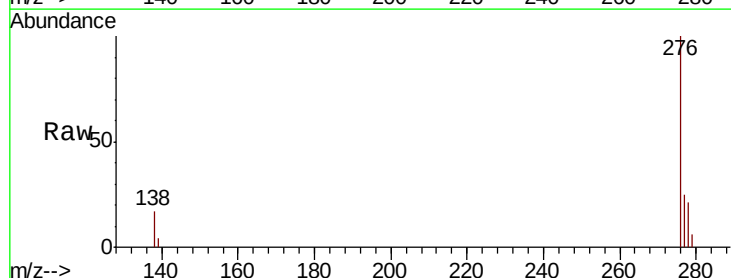
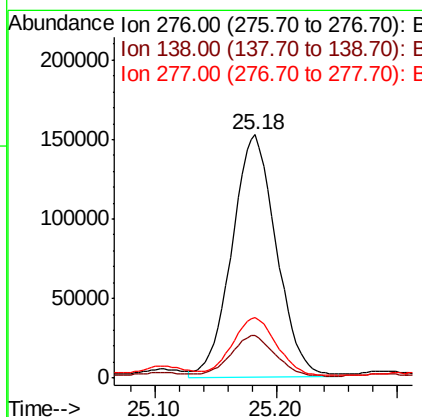
RT: 25.18 min Scan# 3100

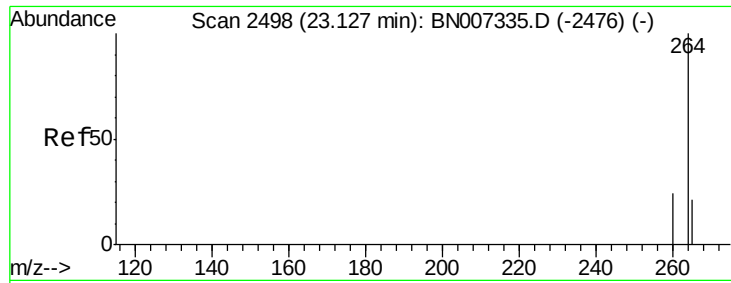
Delta R.T. -0.01 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

Tgt Ion:	276	Resp:	389267
Ion Ratio	Lower	Upper	
276	100		
138	17.8	15.1	22.7
277	25.0	19.7	29.5





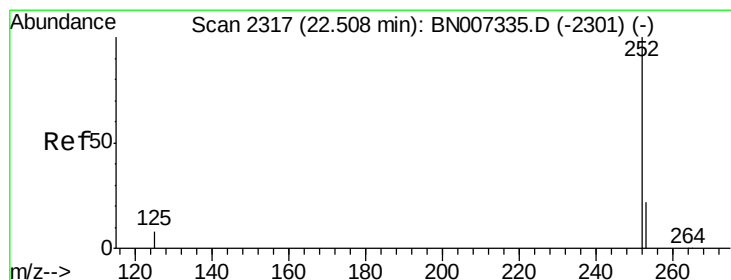
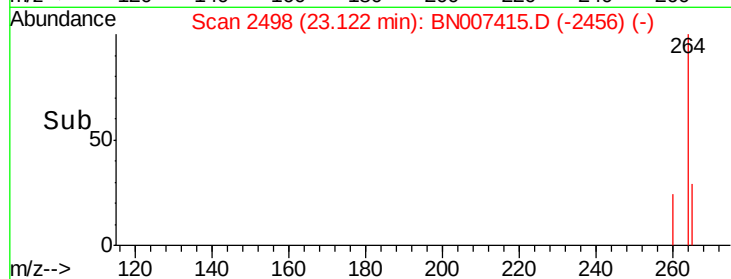
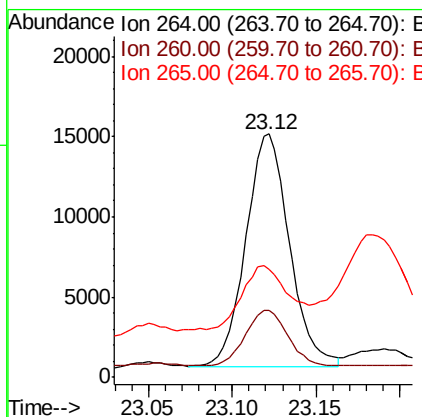
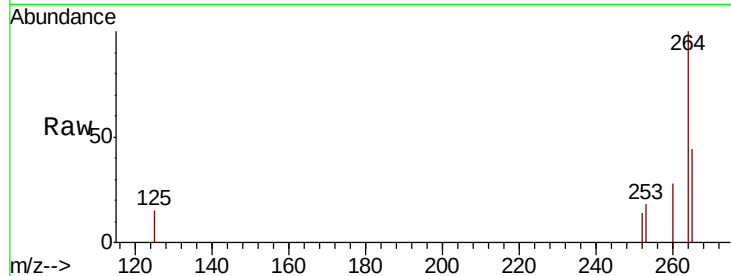
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BN007415.D
 Acq: 26 Aug 2019 18:25

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.6	19.7	29.5
265	44.2	29.9	44.9

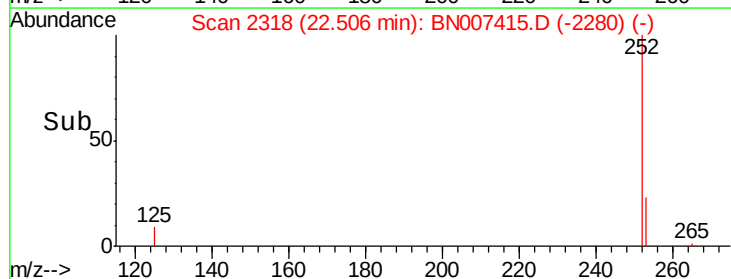
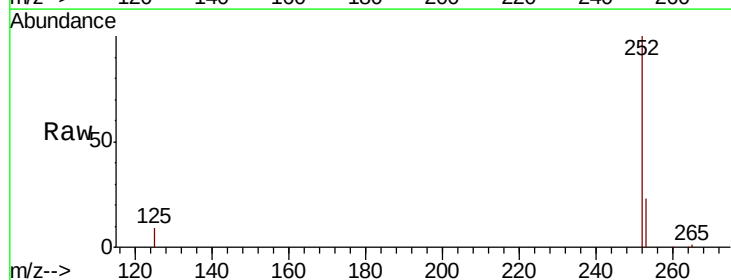
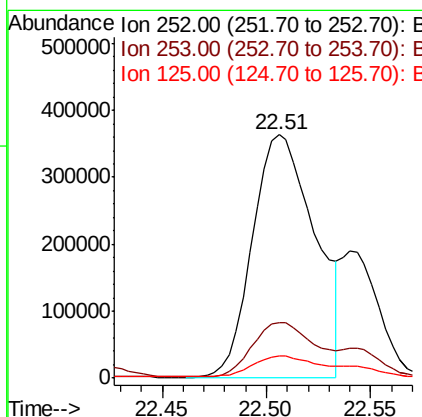
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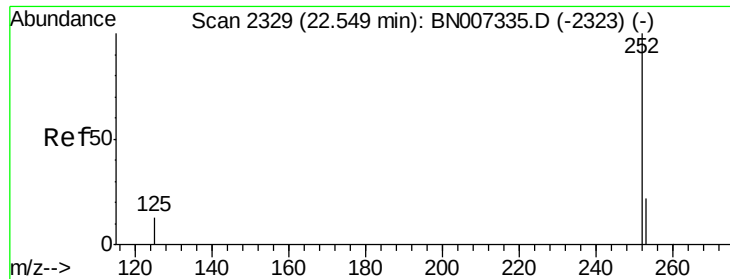
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#35
 Benzo(b)fluoranthene
 Concen: 7.940 ng m
 RT: 22.51 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BN007415.D
 Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.2	28.8
125	8.9	10.6	16.0#





#36

Benzo(k)fluoranthene

Concen: 2.512 ng m

RT: 22.54 min Scan# 2328

Delta R.T. -0.01 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

Instrument :

BNA_N

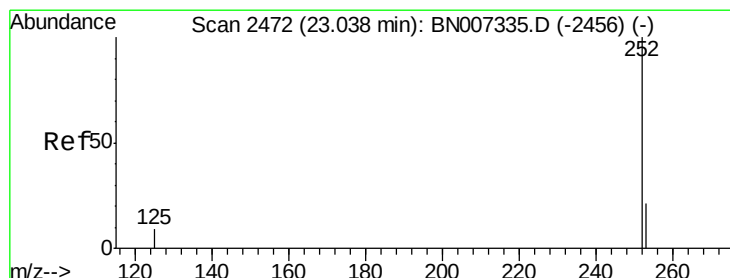
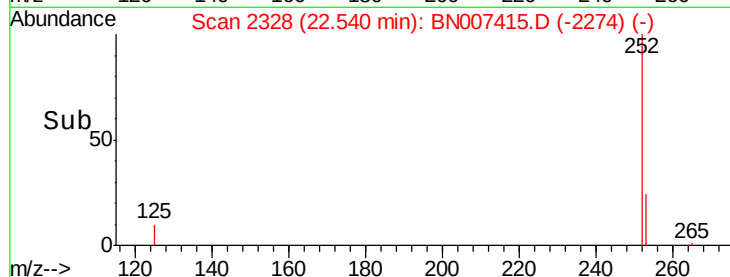
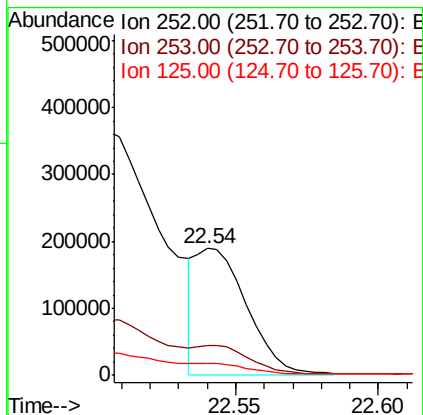
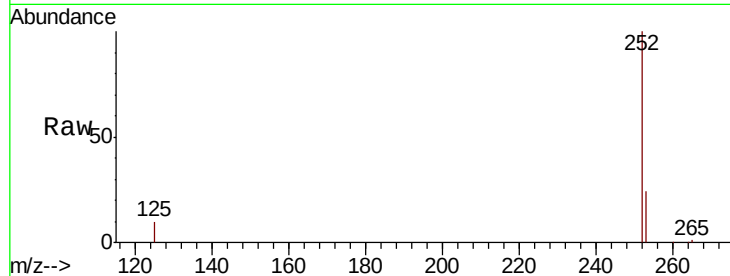
ClientSampleId :

S602-M-1.0-1.5-082319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.4	29.2
125	9.7	13.1	19.7

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#37

Benzo(a)pyrene

Concen: 5.758 ng m

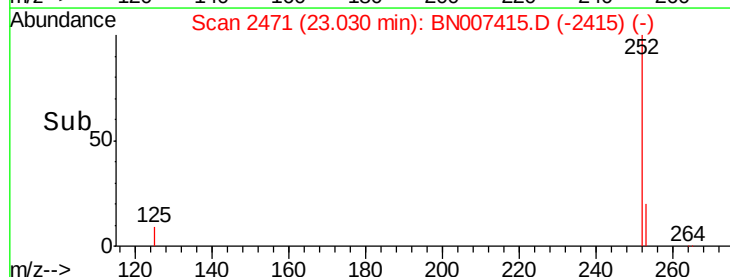
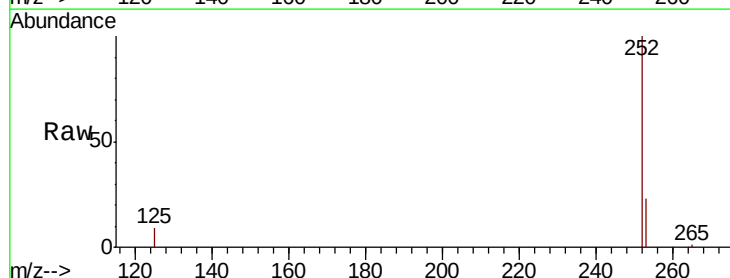
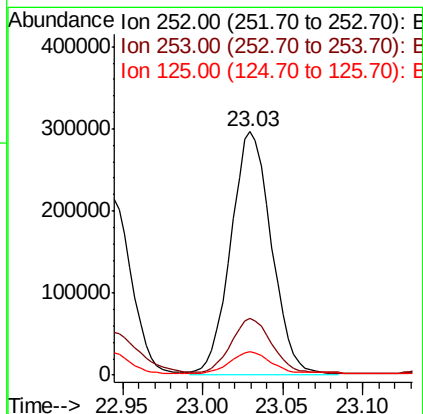
RT: 23.03 min Scan# 2471

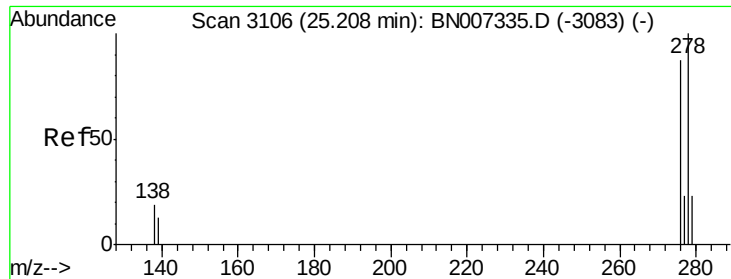
Delta R.T. -0.01 min

Lab File: BN007415.D

Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.5	29.3
125	9.5	12.1	18.1





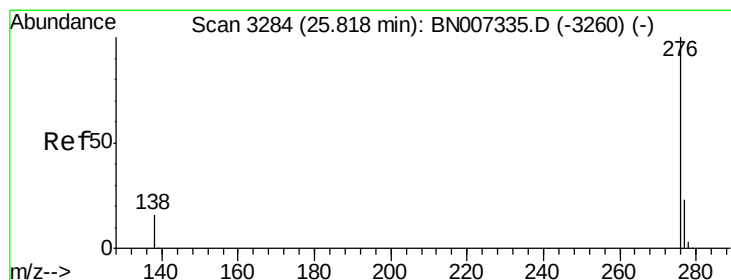
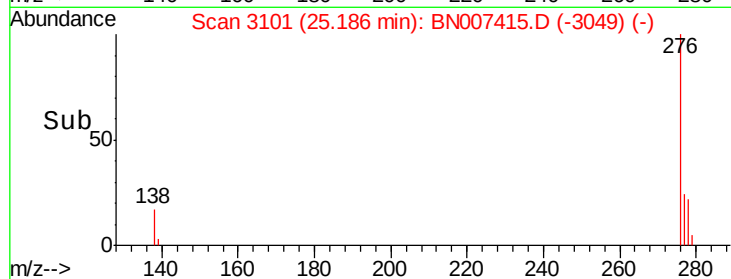
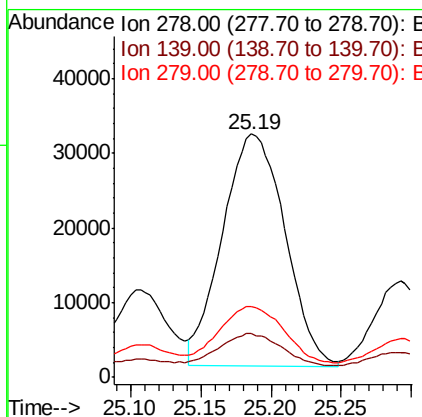
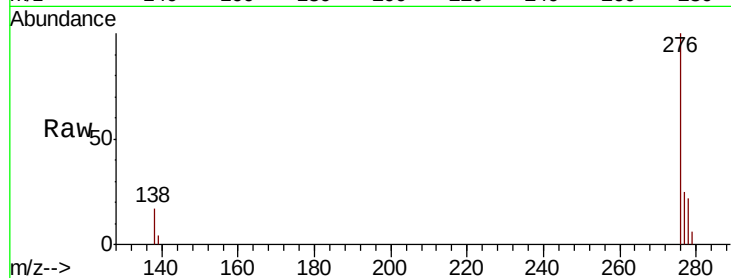
#38
Dibenzo(a,h)anthracene
Concen: 1.059 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.7	20.5
279	28.8	20.2	30.4

Manual Integrations
APPROVED

JAGRUT
8/30/2019 8:57:11 AM



#39
Benzo(g,h,i)perylene
Concen: 4.119 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007415.D
Acq: 26 Aug 2019 18:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	17.6	16.3	24.5

