

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
 Data File : BN007501.D
 Acq On : 29 Aug 2019 13:44
 Operator : HP/JU
 Sample : K4514-02DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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 8/30/2019 8:57:58 AM

Quant Time: Aug 29 17:33:16 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	6621	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	29069	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	17084	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	39602	0.40	ng	0.00
27) Chrysene-d12	21.02	240	68615	0.40	ng	0.00
34) Perylene-d12	23.12	264	63583m	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	1087	0.02	ng	0.00
5) Phenol-d6	6.59	99	1625	0.03	ng	0.00
8) Nitrobenzene-d5	8.53	82	1183	0.05	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	2124	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	677	0.08	ng	0.00
15) 2-Fluorobiphenyl	12.65	172	2772	0.04	ng	0.00
25) Fluoranthene-d10	18.84	212	4989	0.04	ng	0.00
29) Terphenyl-d14	19.46	244	255294	1.42	ng	0.00
Target Compounds						
12) 2-Methylnaphthalene	11.83	142	1863	0.033	ng	Qvalue 97
17) Acenaphthene	14.10	154	5463	0.092	ng	99
18) Fluorene	15.09	166	5015	0.067	ng	96
23) Phenanthrene	16.84	178	78165	0.656	ng	99
24) Anthracene	16.92	178	17547	0.146	ng	97
26) Fluoranthene	18.87	202	276730	1.809	ng	99
28) Pyrene	19.23	202	248819	0.901	ng	# 95
30) Benzo(a)anthracene	21.00	228	193506	0.718	ng	99
31) Chrysene	21.05	228	180592	0.694	ng	100
32) Bis(2-ethylhexyl)phthalate	20.96	149	48048	0.257	ng	100
33) Indeno(1,2,3-cd)pyrene	25.19	276	97316	0.311	ng	99
35) Benzo(b)fluoranthene	22.51	252	258449m	1.122	ng	
36) Benzo(k)fluoranthene	22.54	252	185292	0.814	ng	97
37) Benzo(a)pyrene	23.03	252	197109m	0.899	ng	
38) Dibenzo(a,h)anthracene	25.20	278	38813	0.177	ng	98
39) Benzo(g,h,i)perylene	25.81	276	89341m	0.410	ng	

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

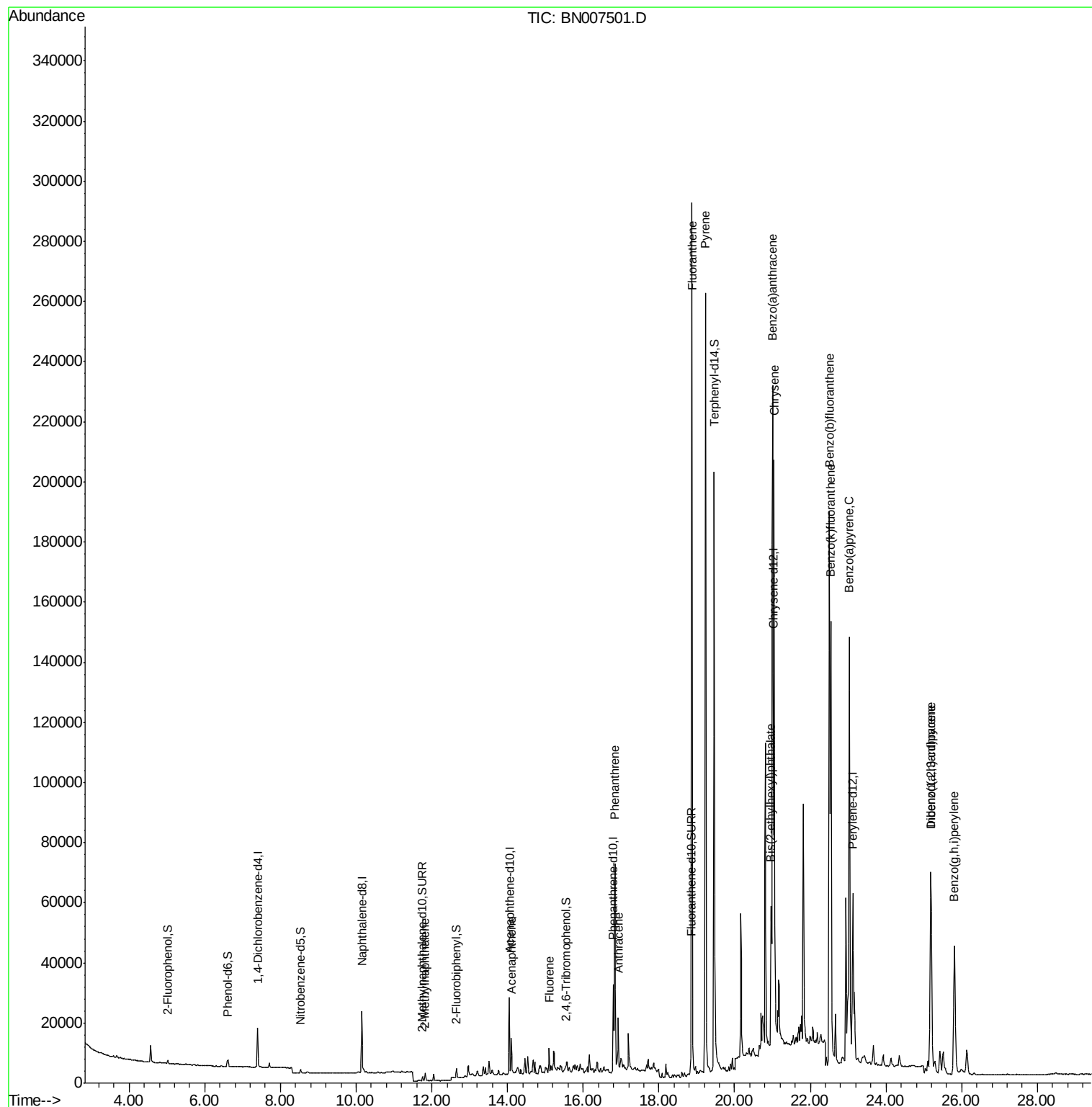
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
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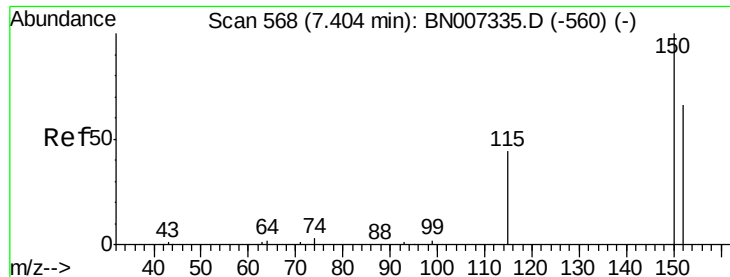
Instrument :
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S602-M-1.0-1.5-082319DL

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#1

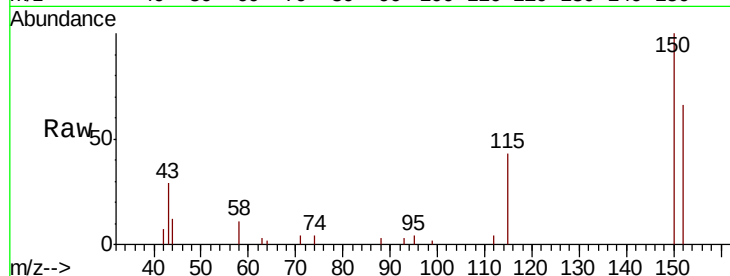
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	109.1	163.7
115	65.5	59.6	89.4

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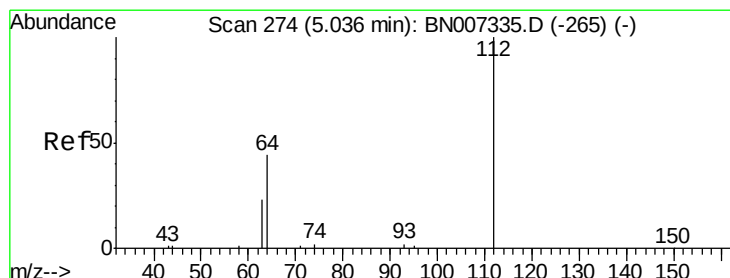
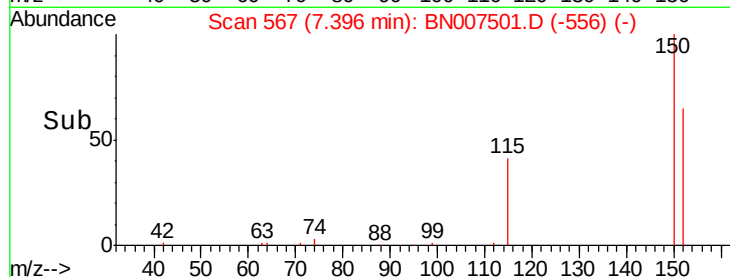
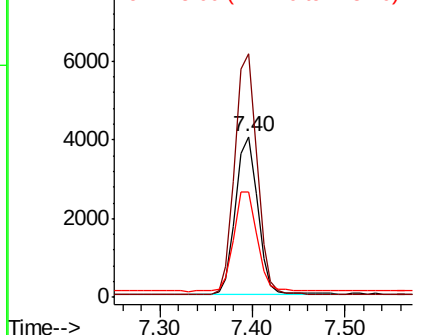


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

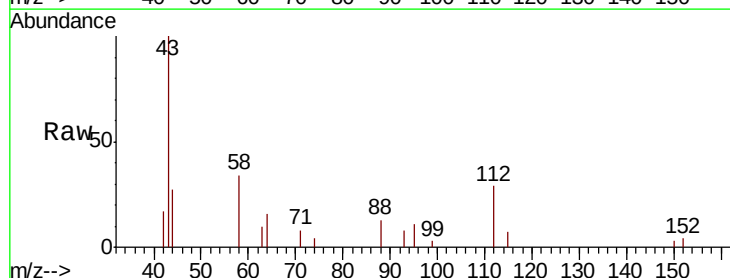
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.021 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	42.3	63.5
63	31.7	23.6	35.4

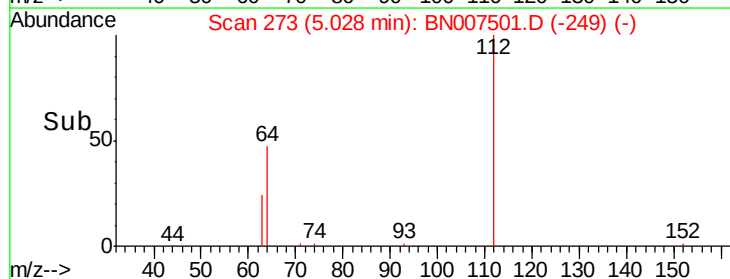
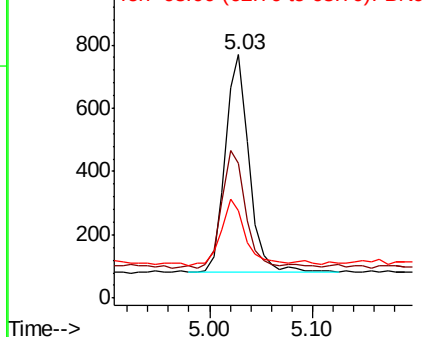


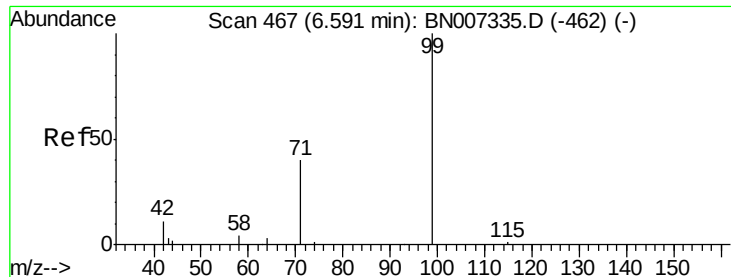
Abundance

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: 0.027 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007501.D

Acq: 29 Aug 2019 13:44

Instrument :

BNA_N

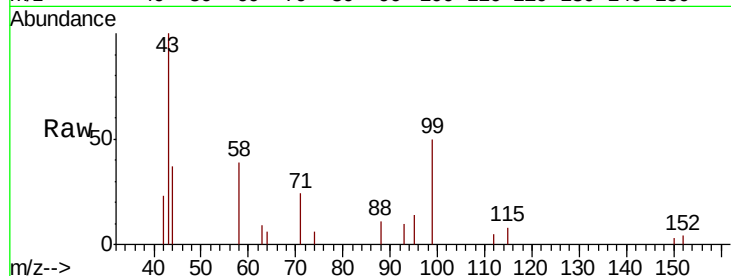
ClientSampleId :

S602-M-1.0-1.5-082319DL

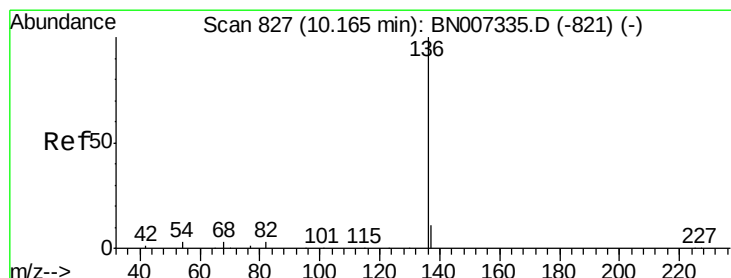
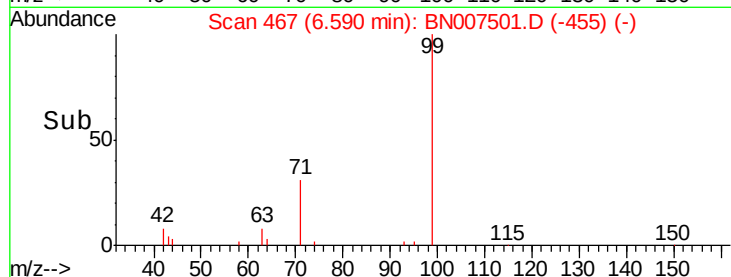
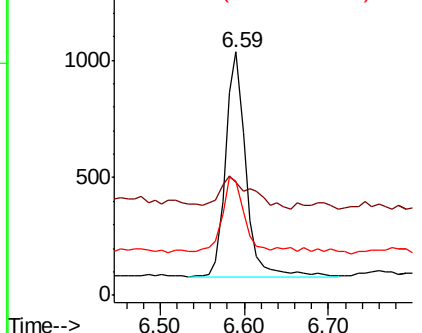
Tot Ion:	99	Resp:	1625
Ion Ratio	Lower	Upper	
99	100		
42	22.3	11.2	16.8#
71	33.4	31.8	47.8

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Abundance Ion 99.00 (98.70 to 99.70): BN007501.D (-455) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

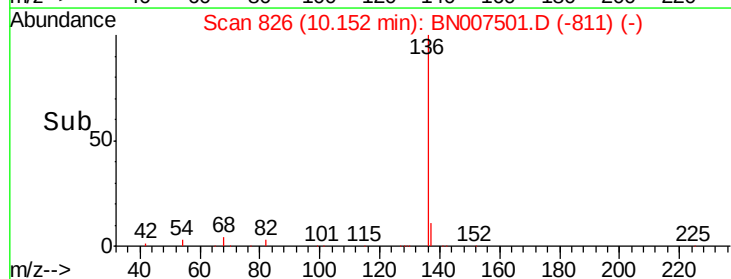
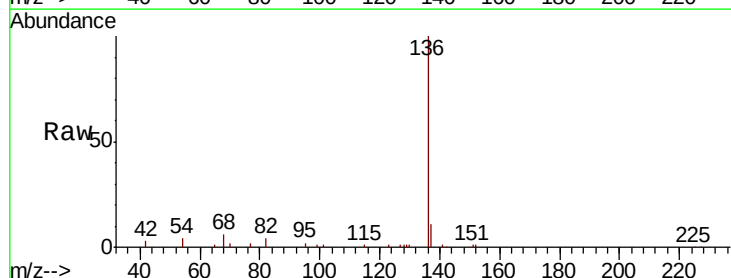
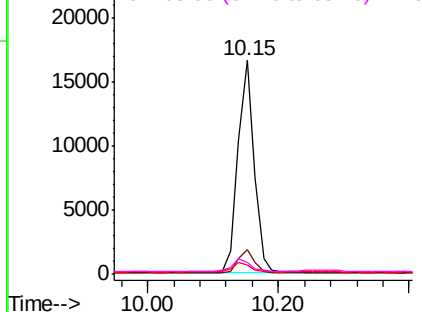
Delta R.T. -0.01 min

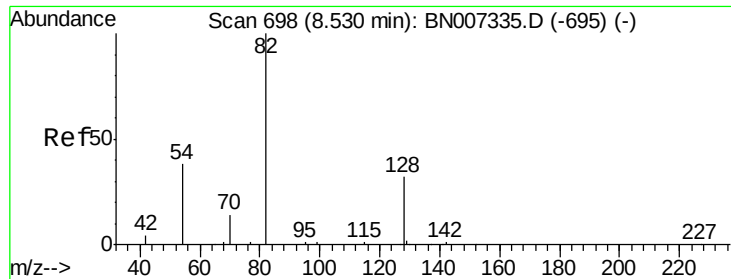
Lab File: BN007501.D

Acq: 29 Aug 2019 13:44

Tgt Ion:	136	Resp:	29069
Ion Ratio	Lower	Upper	
136	100		
137	11.4	12.9	19.3#
54	4.1	8.6	12.8#
68	5.7	17.0	25.4#

Abundance Ion 136.00 (135.70 to 136.70): BN007501.D (-811) (-)





#8

Nitrobenzene-d5

Concen: 0.047 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007501.D

Acq: 29 Aug 2019 13:44

Instrument :

BNA_N

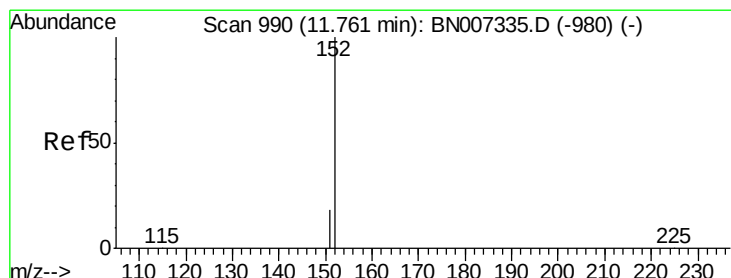
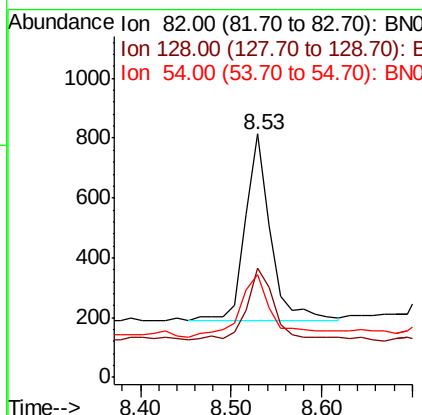
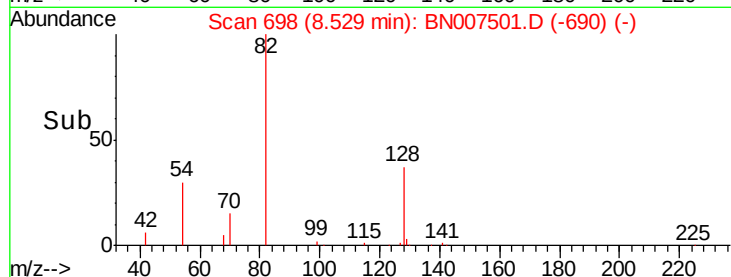
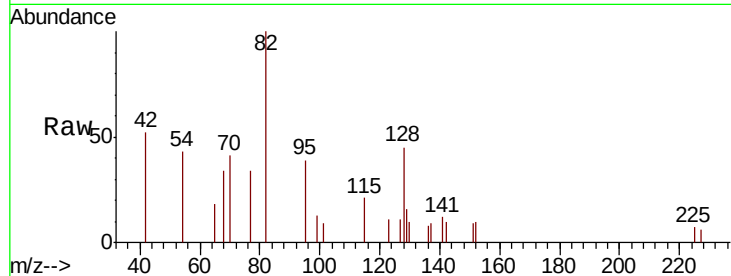
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	82	Resp:	1183
Ion	Ratio	Lower	Upper
82	100		
128	44.8	19.7	29.5#
54	42.5	25.8	38.6#

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#11

2-Methylnaphthalene-d10

Concen: 0.044 ng

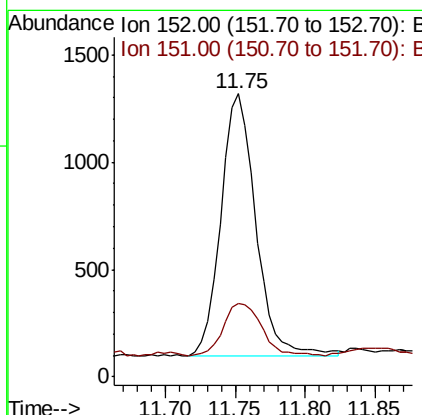
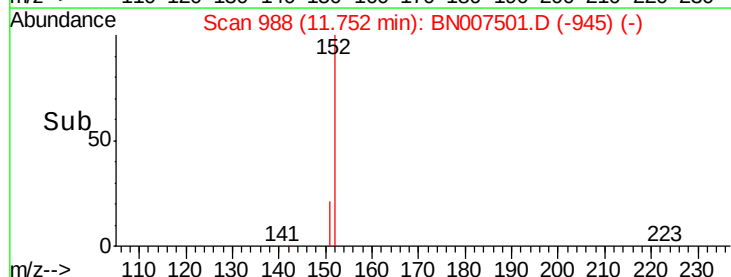
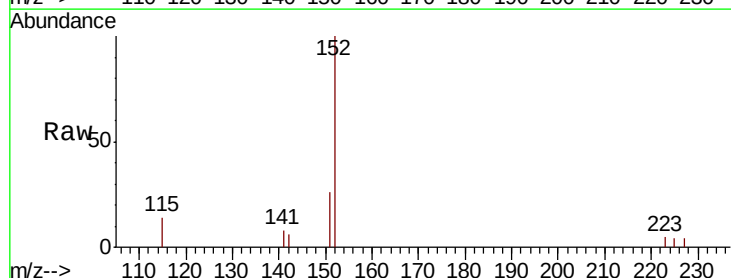
RT: 11.75 min Scan# 988

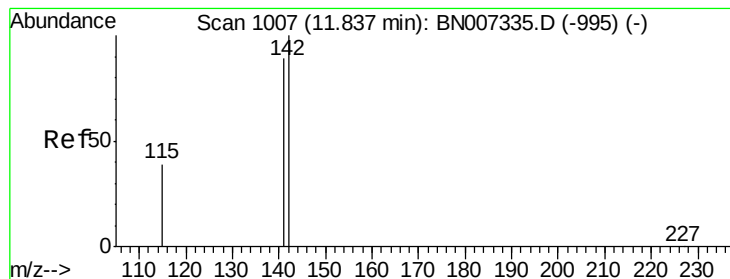
Delta R.T. -0.01 min

Lab File: BN007501.D

Acq: 29 Aug 2019 13:44

Tgt Ion:	152	Resp:	2124
Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.2	24.2





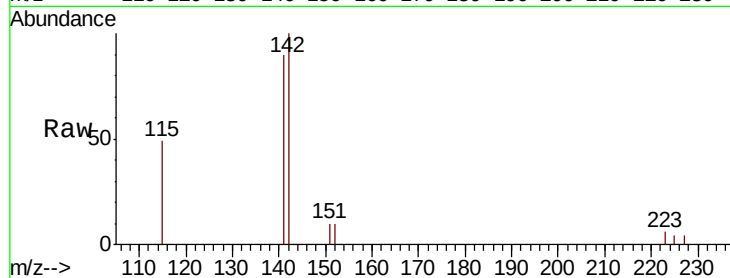
#12
2-Methylnaphthalene
Concen: 0.033 ng
RT: 11.83 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.8	109.2
115	48.5	35.2	52.8

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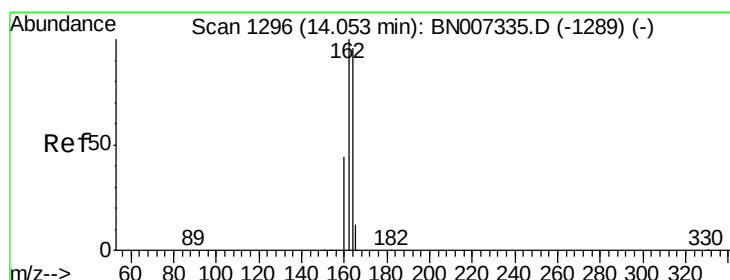
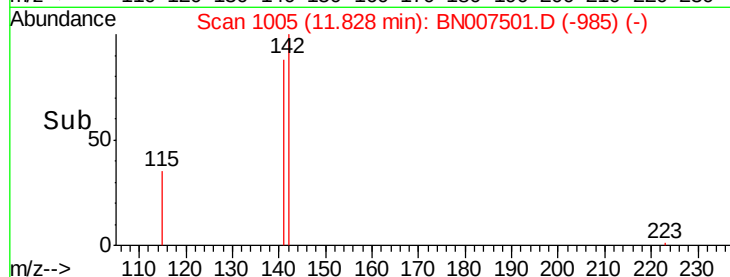
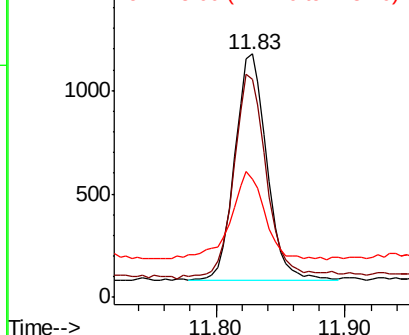


Abundance

Ion 142.00 (141.70 to 142.70): E

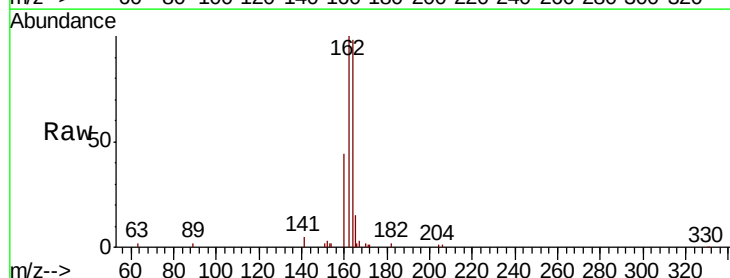
Ion 141.00 (140.70 to 141.70): E

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: BN007501.D
Acq: 29 Aug 2019 13:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.5	125.3
160	44.9	38.2	57.4

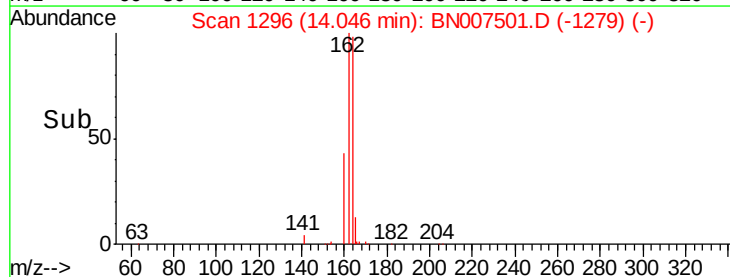
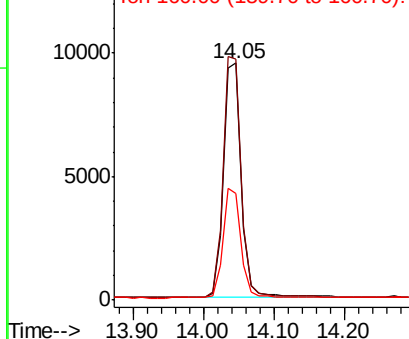


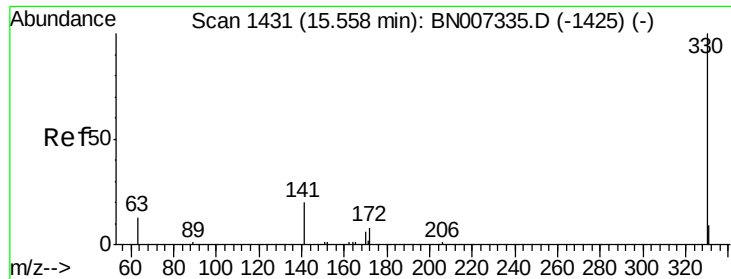
Abundance

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





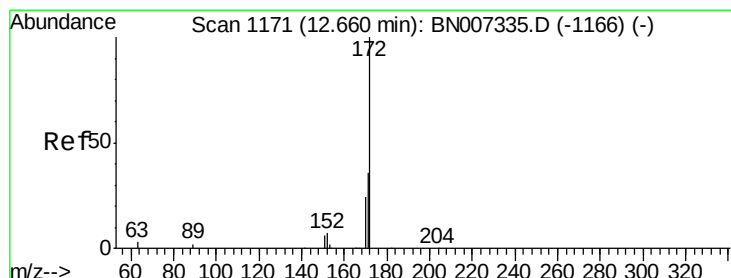
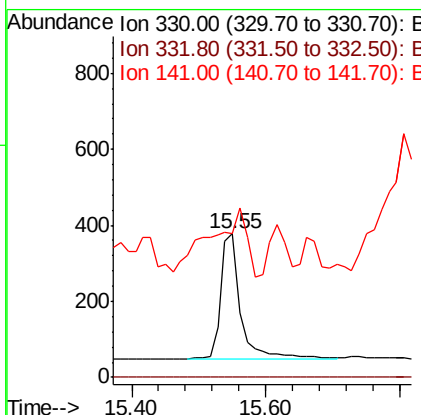
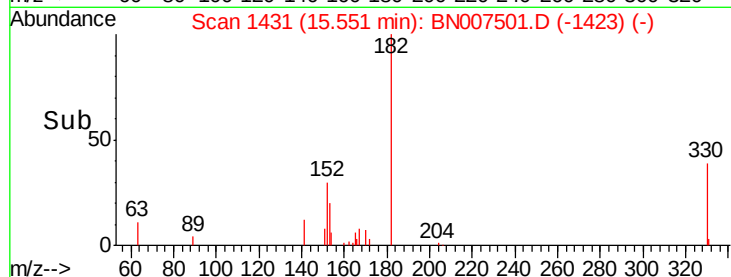
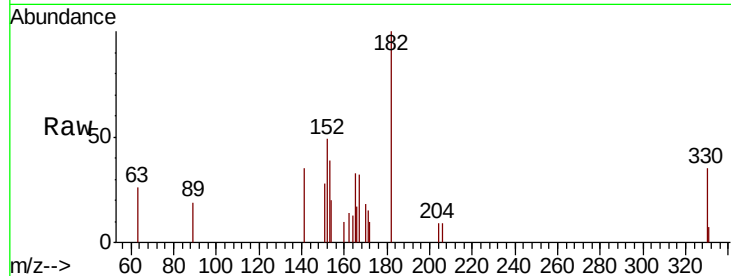
#14
 2,4,6-Tribromophenol
 Concen: 0.076 ng
 RT: 15.55 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BN007501.D
 Acq: 29 Aug 2019 13:44

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	97.3	26.9	40.3#

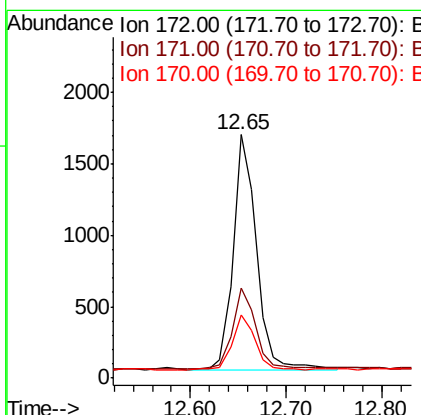
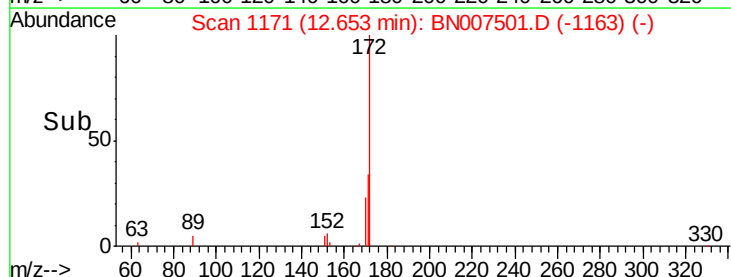
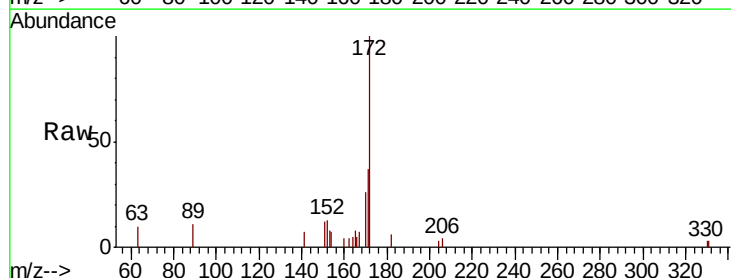
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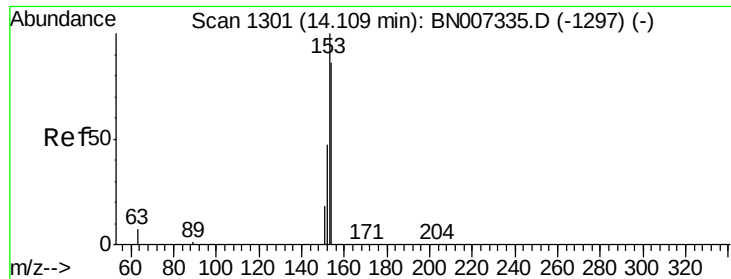
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#15
 2-Fluorobiphenyl
 Concen: 0.040 ng
 RT: 12.65 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BN007501.D
 Acq: 29 Aug 2019 13:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.3	45.5
170	25.9	20.7	31.1





#17

Acenaphthene

Concen: 0.092 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007501.D

Acq: 29 Aug 2019 13:44

Instrument :

BNA_N

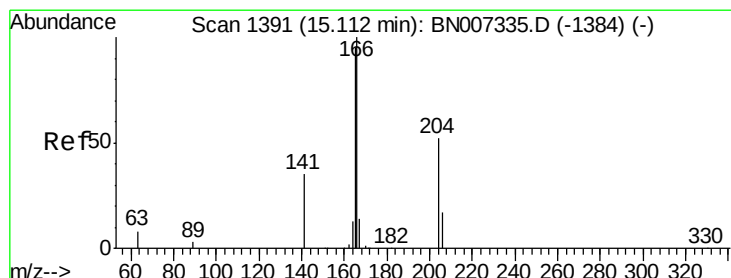
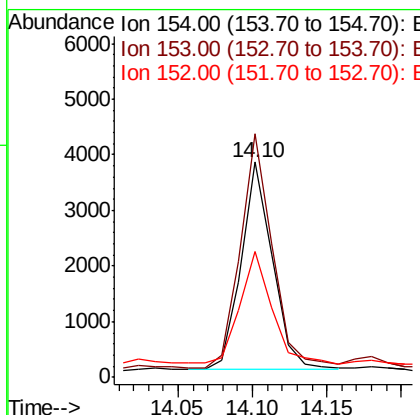
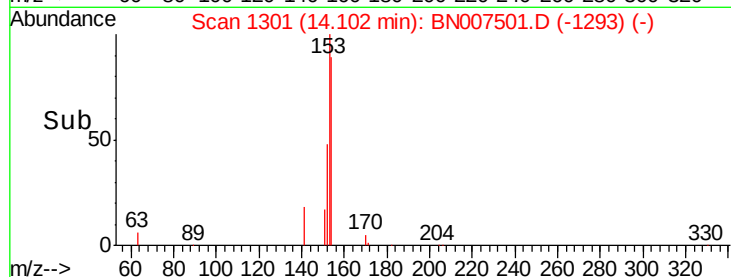
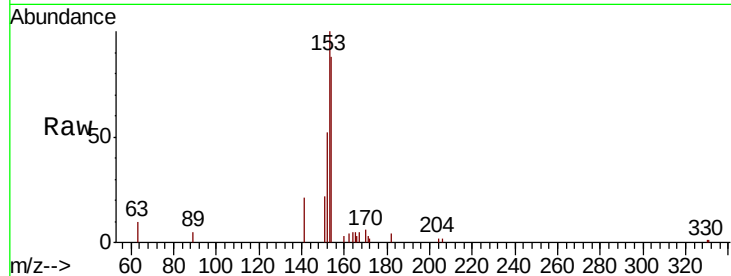
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	154	Resp:	5463
Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.8	139.2
152	54.3	43.8	65.8

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#18

Fluorene

Concen: 0.067 ng

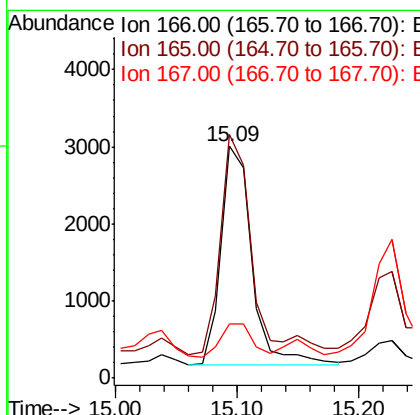
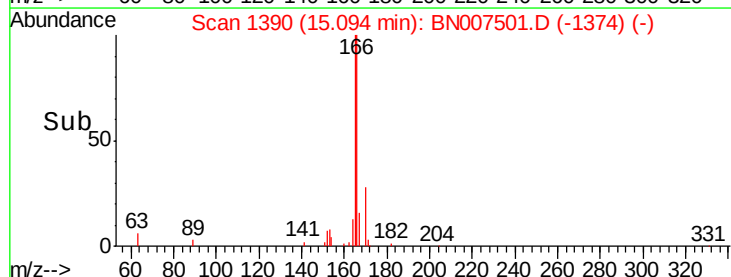
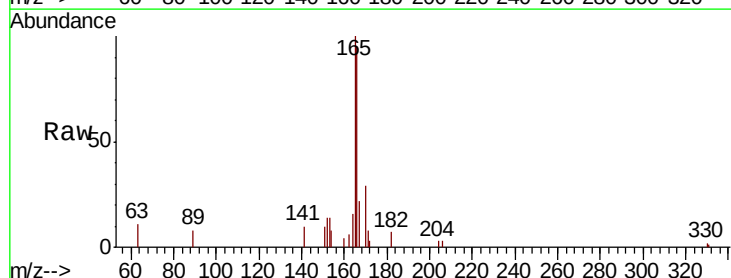
RT: 15.09 min Scan# 1390

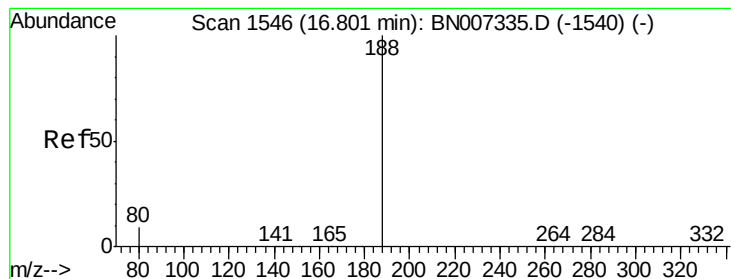
Delta R.T. -0.02 min

Lab File: BN007501.D

Acq: 29 Aug 2019 13:44

Tgt Ion:	166	Resp:	5015
Ion	Ratio	Lower	Upper
166	100		
165	102.4	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: BN007501.D

Acq: 29 Aug 2019 13:44

Instrument :

BNA_N

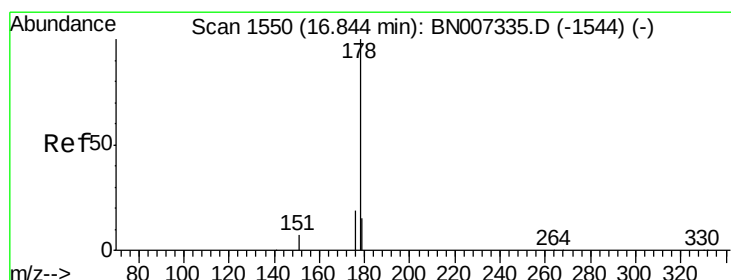
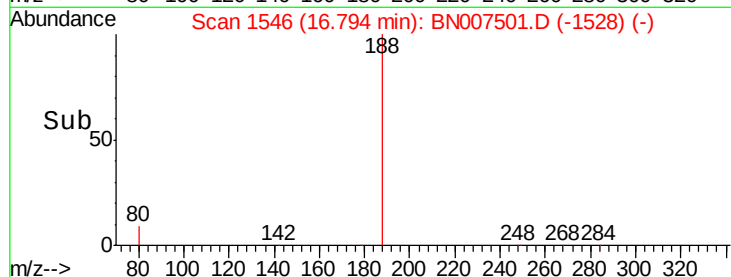
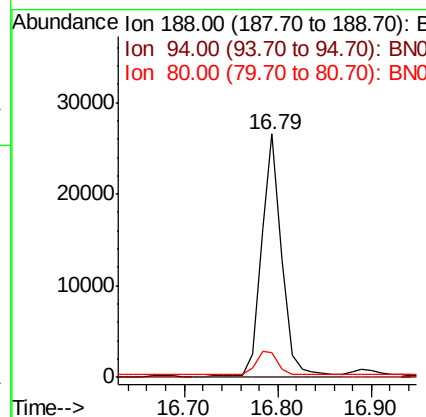
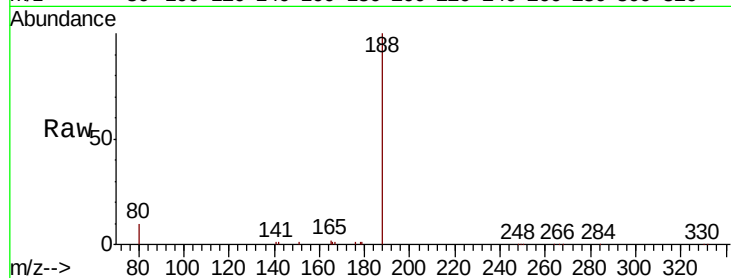
ClientSampleId :

S602-M-1.0-1.5-082319DL

Tot Ion:	188	Resp:	39602
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.0	11.8	17.8#

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#23

Phenanthrene

Concen: 0.656 ng

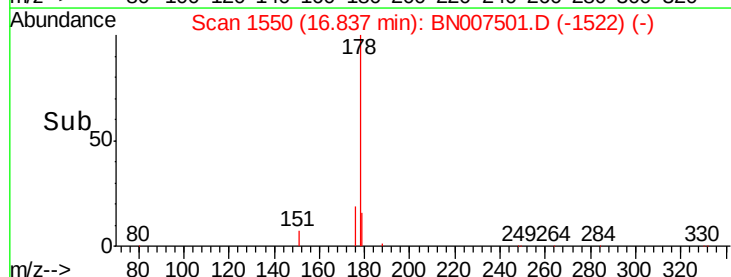
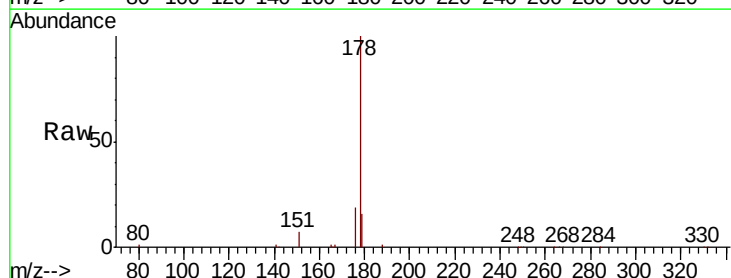
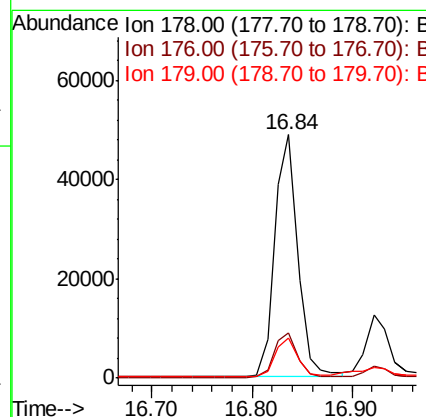
RT: 16.84 min Scan# 1550

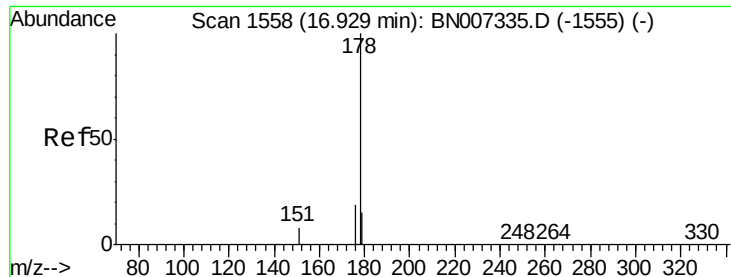
Delta R.T. -0.01 min

Lab File: BN007501.D

Acq: 29 Aug 2019 13:44

Tgt Ion:	178	Resp:	78165
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.3	22.9
179	16.1	12.6	19.0





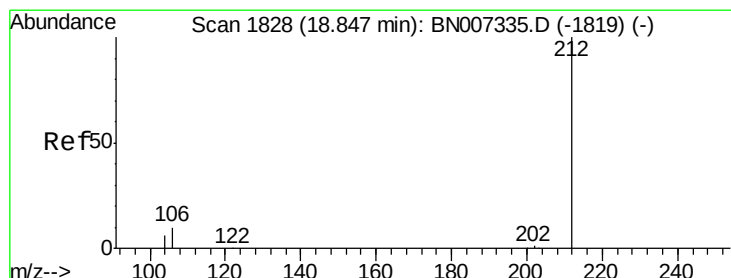
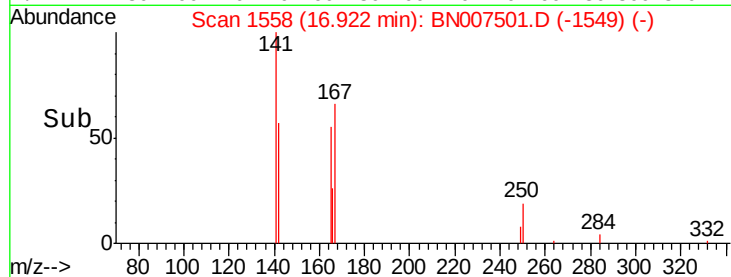
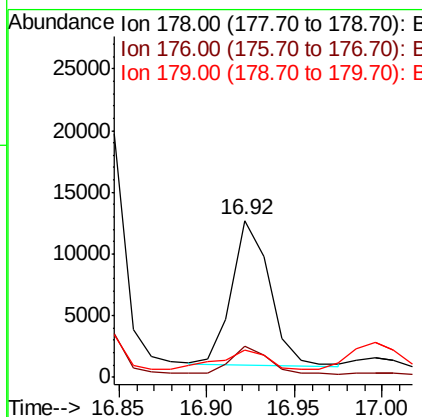
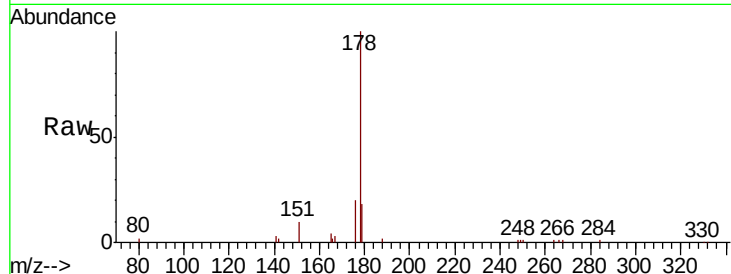
#24
 Anthracene
 Concen: 0.146 ng
 RT: 16.92 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BN007501.D
 Acq: 29 Aug 2019 13:44

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	17.4	12.4	18.6

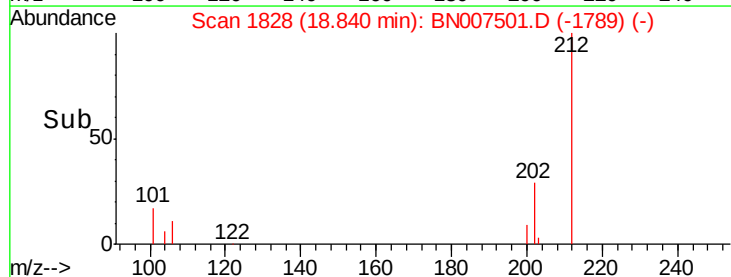
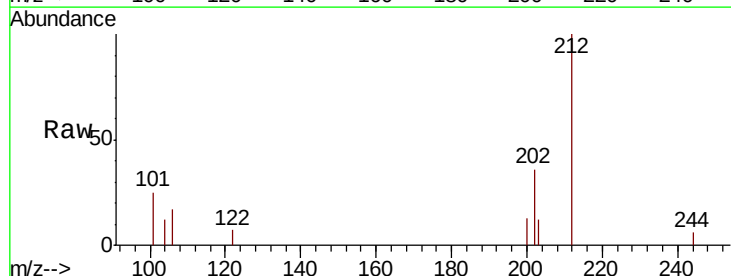
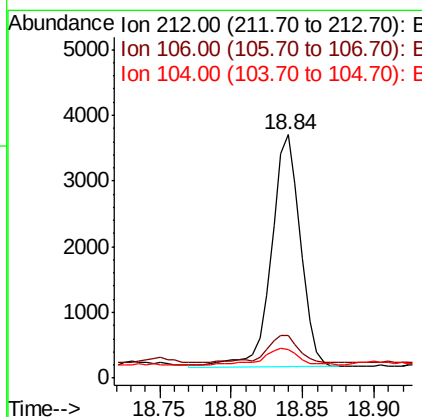
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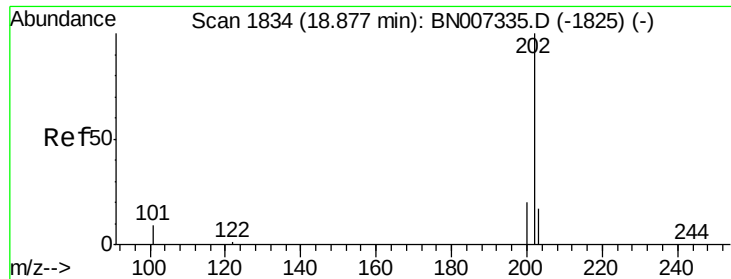
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#25
 Fluoranthene-d10
 Concen: 0.039 ng
 RT: 18.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BN007501.D
 Acq: 29 Aug 2019 13:44

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.5	9.0	13.4#
104	9.4	5.4	8.2#





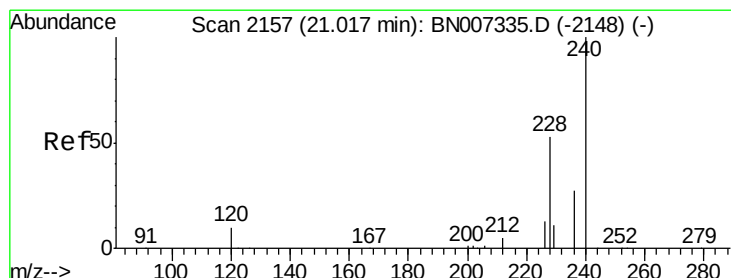
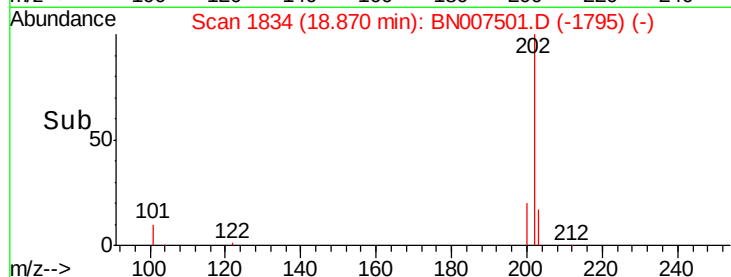
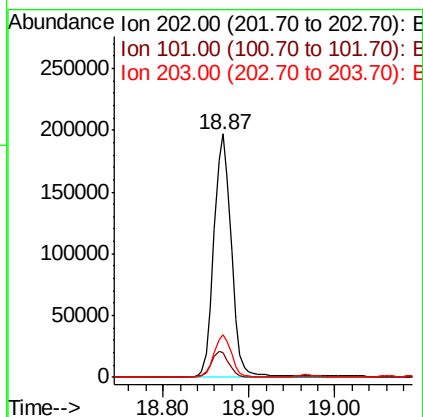
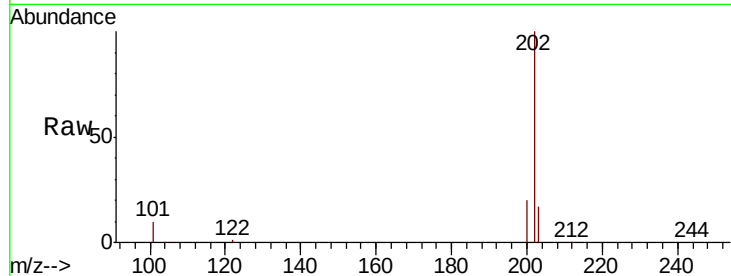
#26
Fluoranthene
Concen: 1.809 ng
RT: 18.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100	276730		
101	10.4		7.7	11.5
203	17.2		13.7	20.5

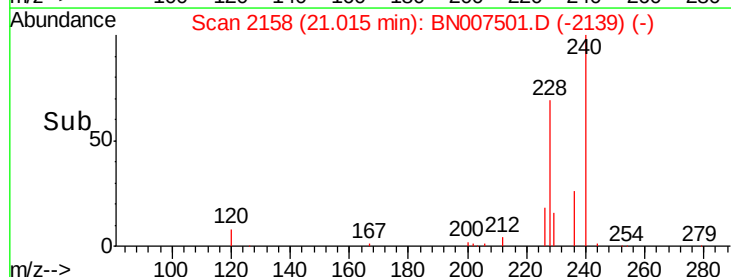
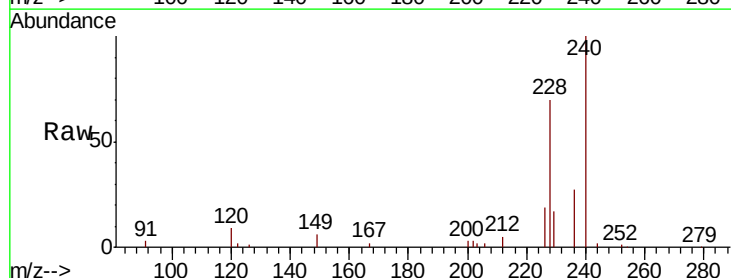
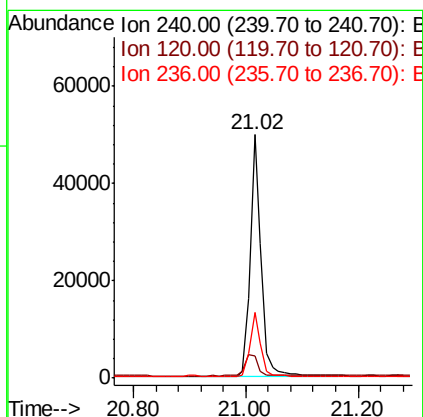
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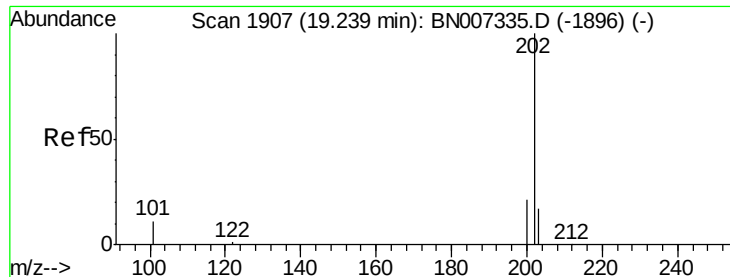
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	68615		
120	9.4		9.6	14.4#
236	26.9		22.2	33.2





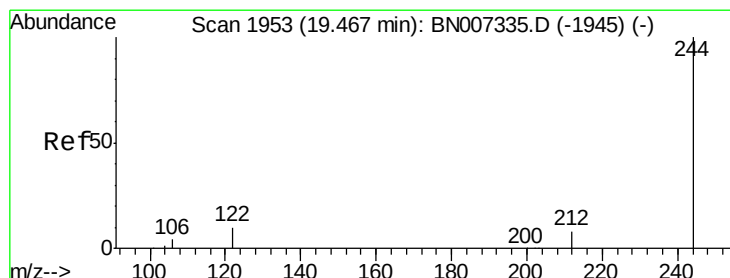
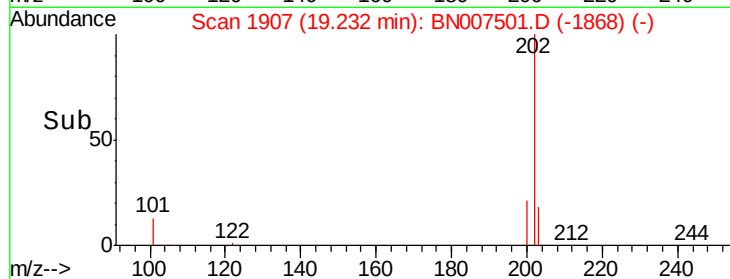
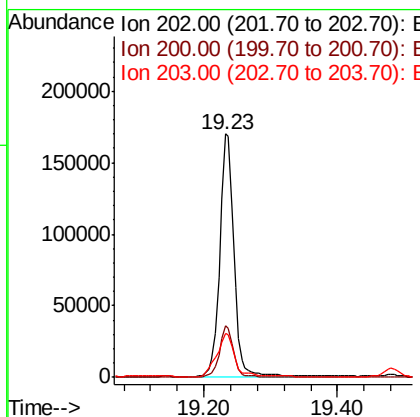
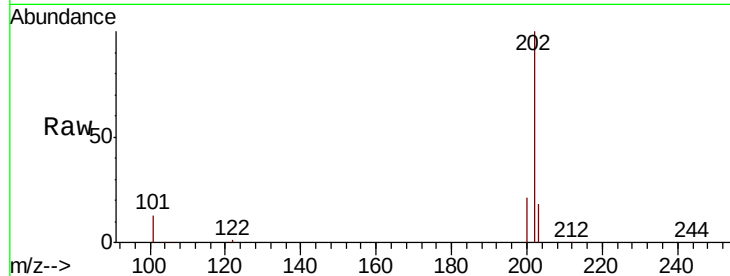
#28
Pvrene
Concen: 0.901 ng
RT: 19.23 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100	248819		
200	20.8		16.6	25.0
203	22.5		14.2	21.4

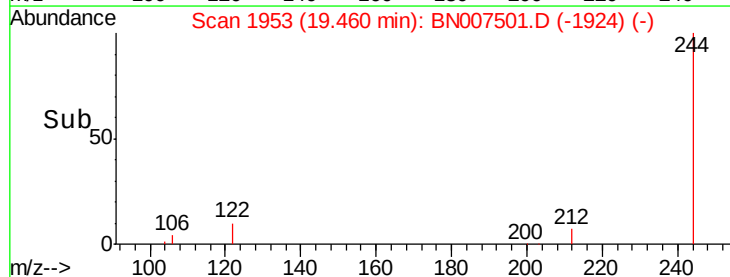
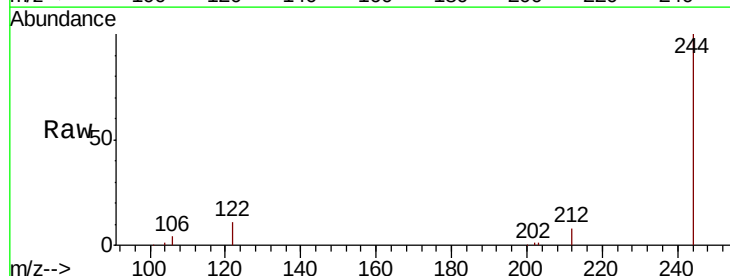
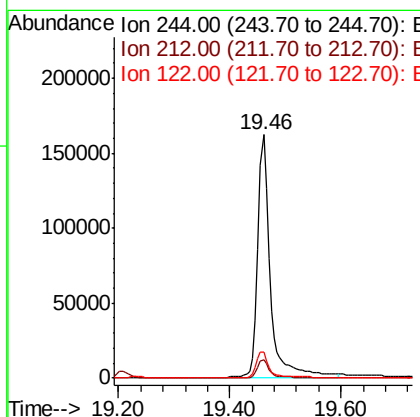
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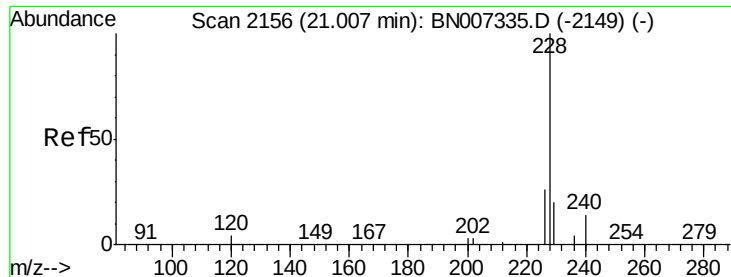
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#29
Terphenyl-d14
Concen: 1.422 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	255294		
212	7.6		7.0	10.6
122	10.6		9.6	14.4





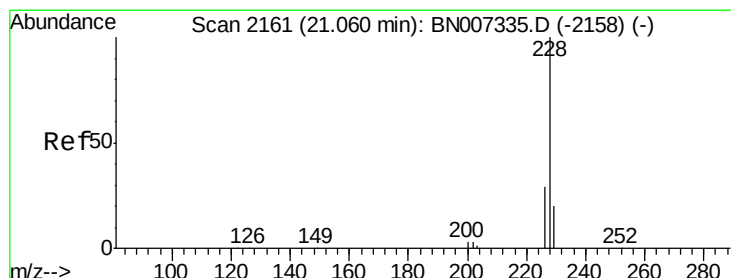
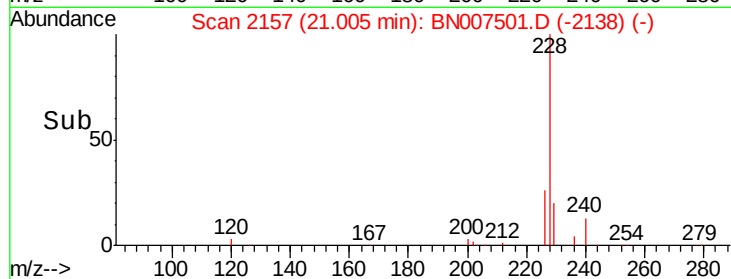
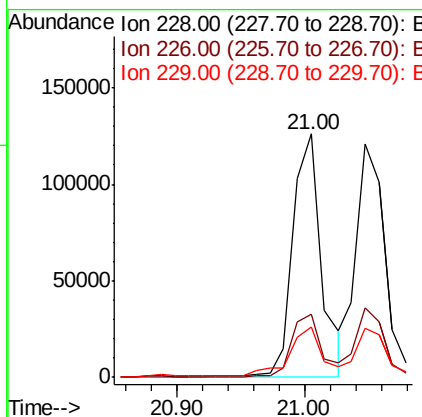
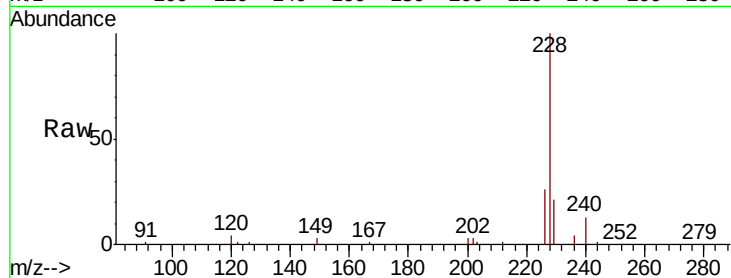
#30
Benzo(a)anthracene
Concen: 0.718 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.3	31.9
229	20.7	16.1	24.1

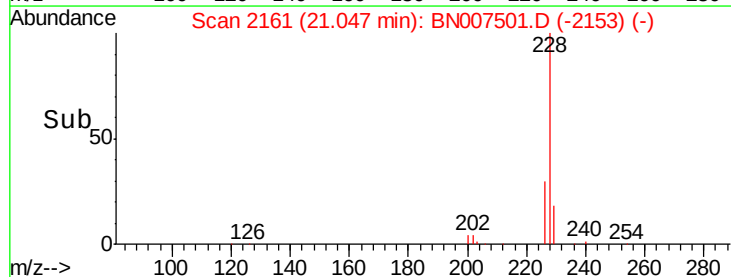
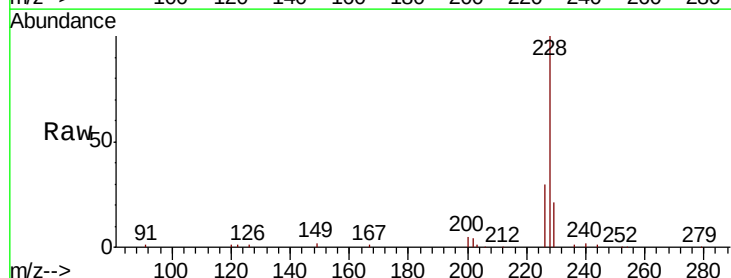
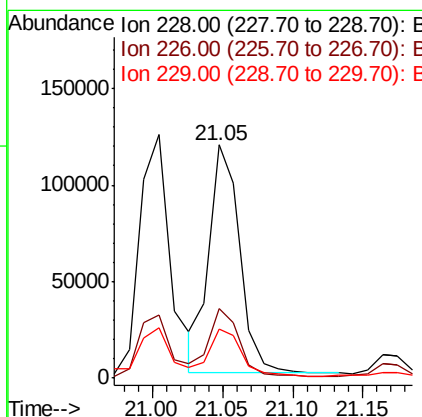
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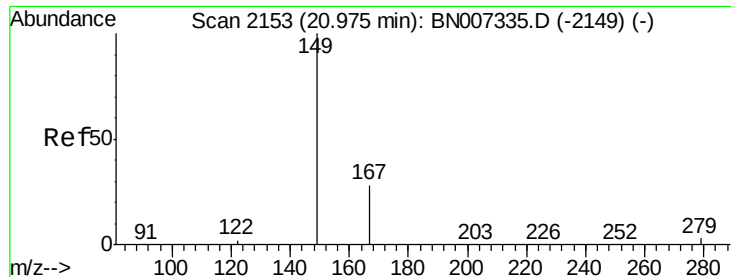
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#31
Chrysene
Concen: 0.694 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.5	35.3
229	20.9	16.6	24.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.257 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007501.D

Acq: 29 Aug 2019 13:44

Instrument :

BNA_N

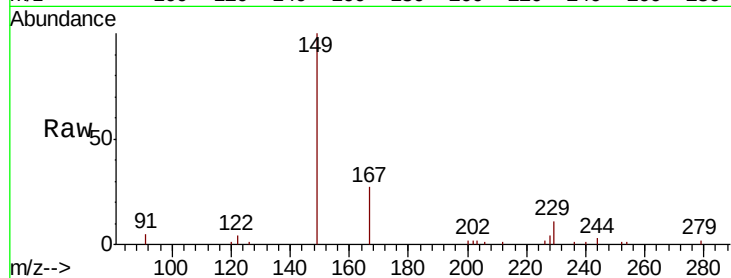
ClientSampleId :

S602-M-1.0-1.5-082319DL

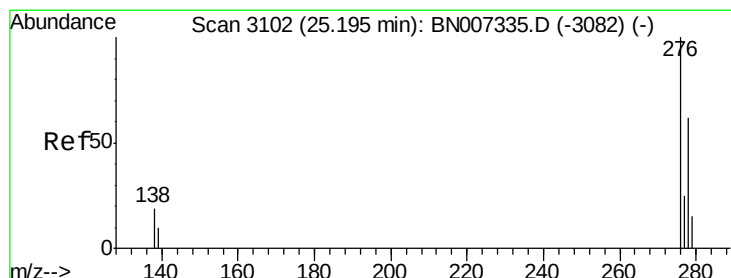
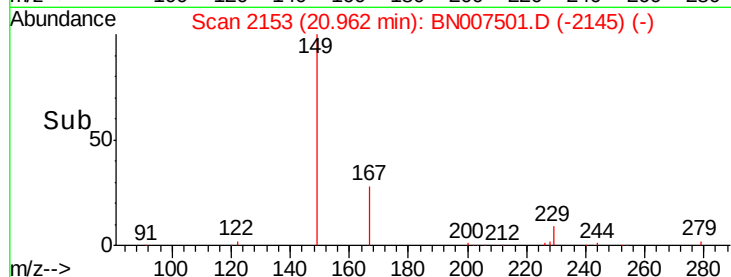
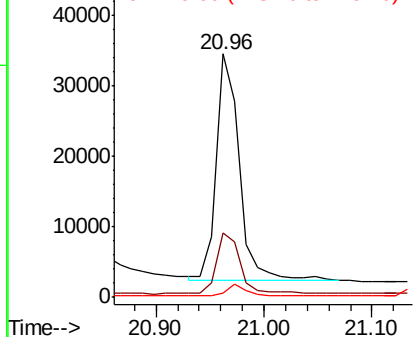
Tot Ion:	149	Resp:	48048
Ion Ratio	Lower	Upper	
149	100		
167	28.6	22.8	34.2
279	4.4	3.5	5.3

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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: 0.311 ng

RT: 25.19 min Scan# 3101

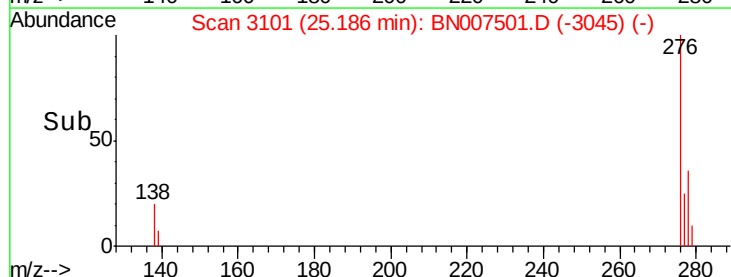
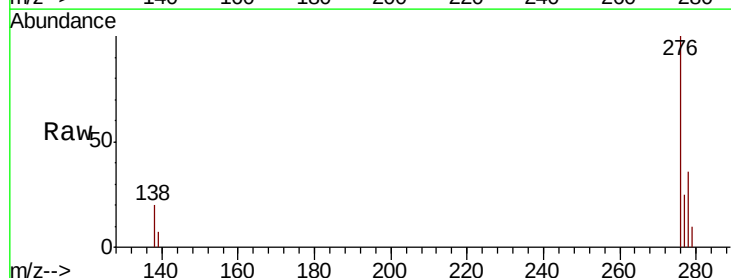
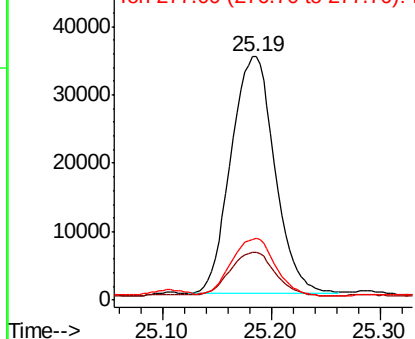
Delta R.T. -0.01 min

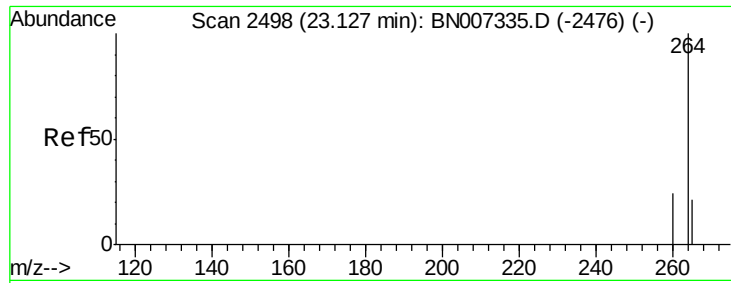
Lab File: BN007501.D

Acq: 29 Aug 2019 13:44

Tgt Ion:	276	Resp:	97316
Ion Ratio	Lower	Upper	
276	100		
138	18.7	15.1	22.7
277	25.3	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





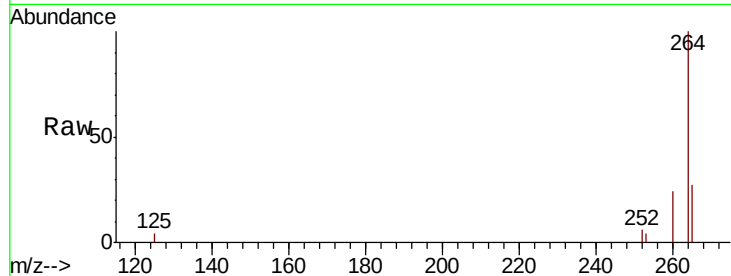
#34
Pervlene-d12
Concen: 0.400 ng m
RT: 23.12 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	27.2	29.9	44.9#

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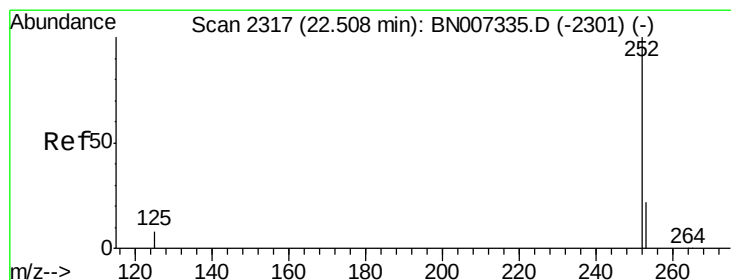
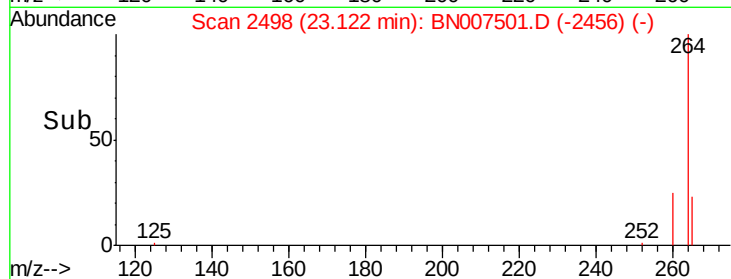
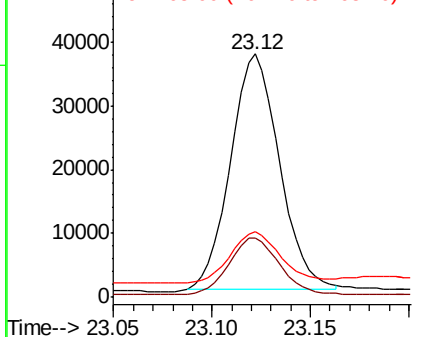


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 1.122 ng m
RT: 22.51 min Scan# 2318
Delta R.T. -0.00 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

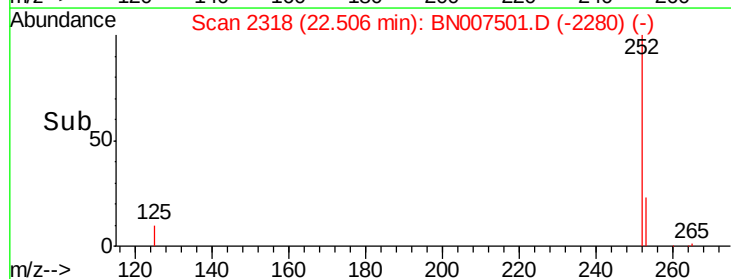
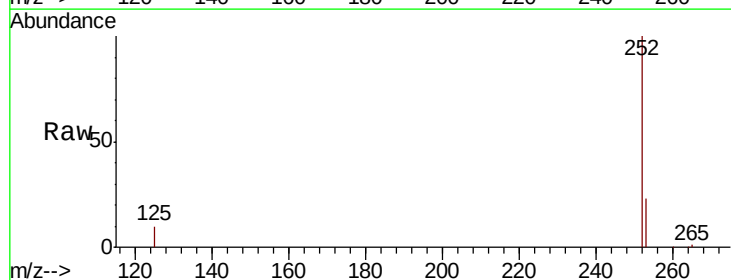
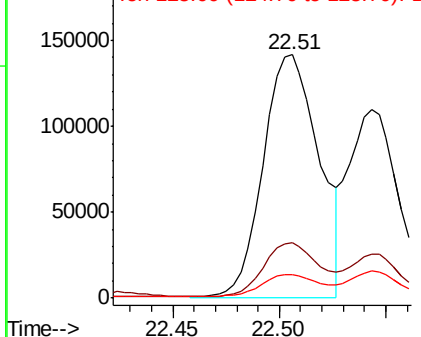
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.2	28.8
125	9.6	10.6	16.0#

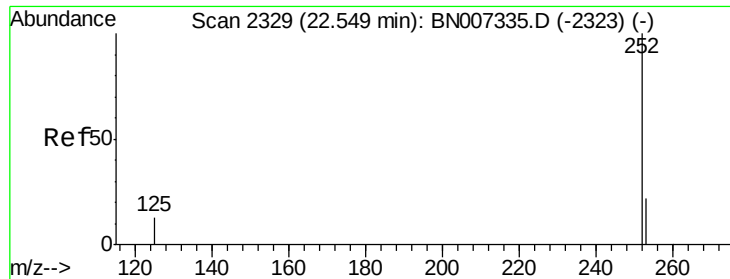
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





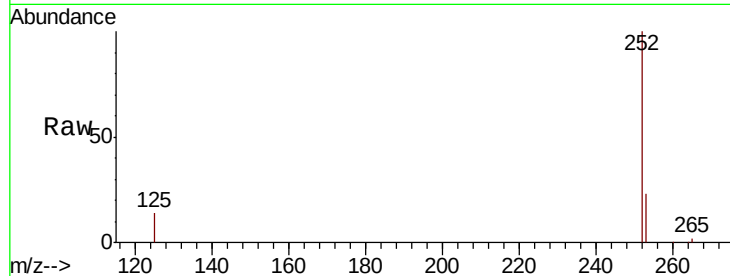
#36
Benzo(k)fluoranthene
Concen: 0.814 ng
RT: 22.54 min Scan# 2329
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.4	29.2
125	14.1	13.1	19.7

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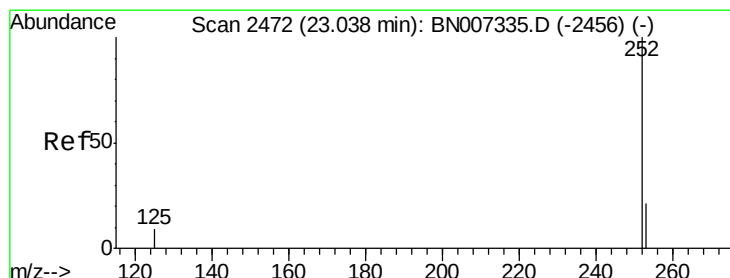
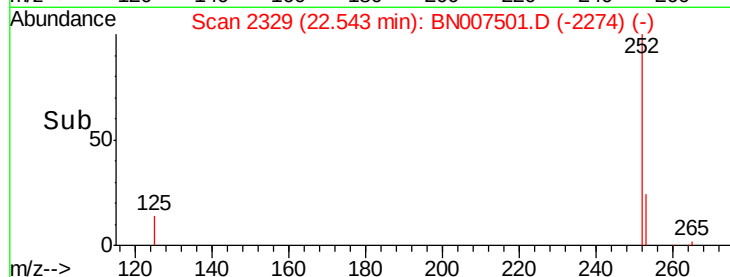
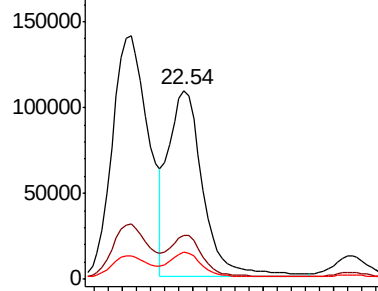


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37
Benzo(a)pyrene
Concen: 0.899 ng m
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

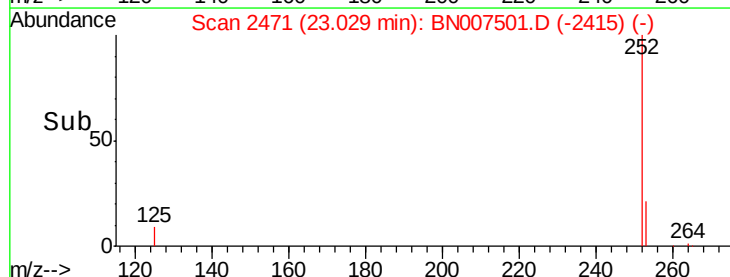
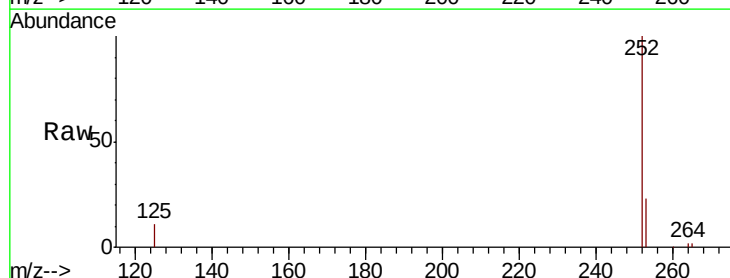
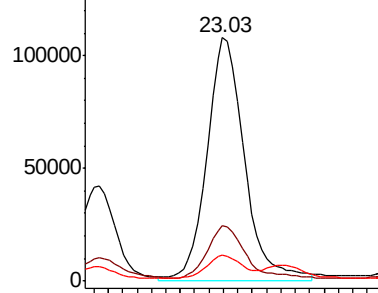
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.5	29.3
125	10.5	12.1	18.1#

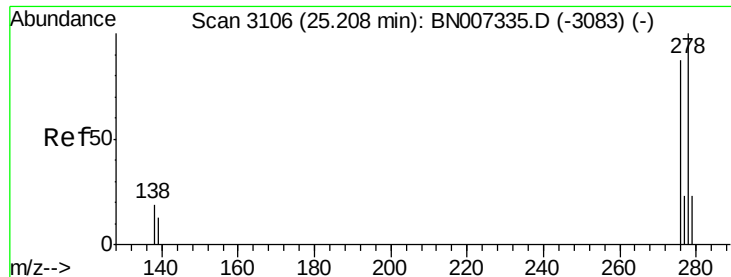
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





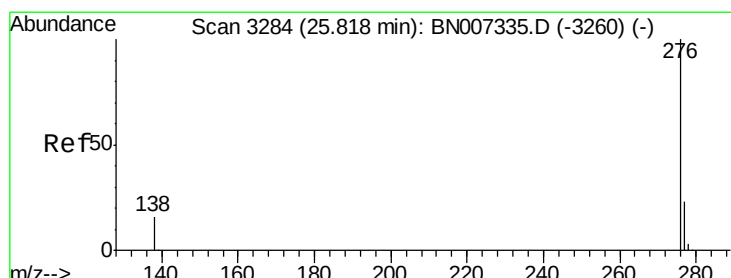
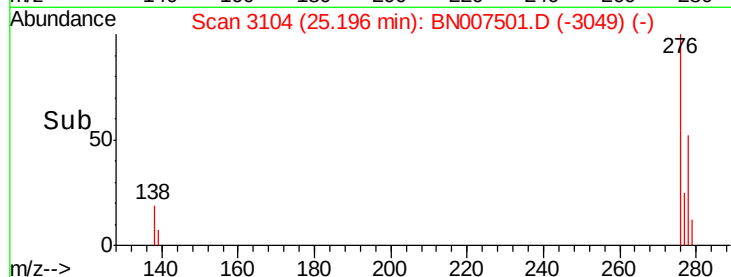
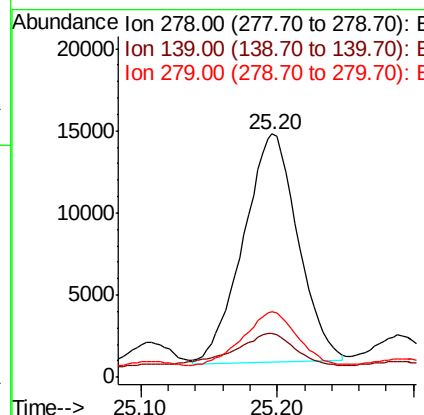
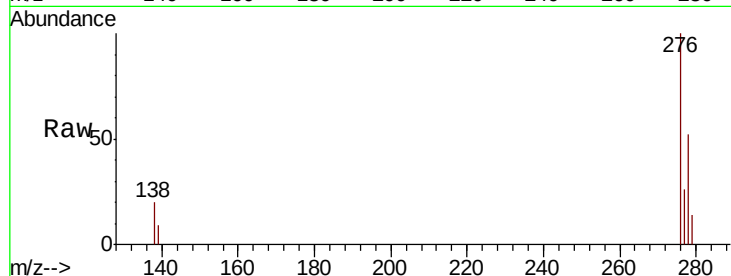
#38
Dibenzo(a,h)anthracene
Concen: 0.177 ng
RT: 25.20 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

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

Tot Ion:278	Resp:	38813
Ion Ratio	Lower	Upper
278	100	
139	17.8	13.7 20.5
279	26.7	20.2 30.4

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#39
Benzo(g,h,i)perylene
Concen: 0.410 ng m
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007501.D
Acq: 29 Aug 2019 13:44

Tgt Ion:276	Resp:	89341
Ion Ratio	Lower	Upper
276	100	
277	24.5	19.6 29.4
138	19.9	16.3 24.5

