

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082519\
 Data File : BN007400.D
 Acq On : 25 Aug 2019 17:49
 Operator : HP/JU
 Sample : K4496-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S601-M-1.0-1.5-082219

Manual Integrations
 APPROVED

Jagrut
 8/26/2019 3:25:21 PM

Quant Time: Aug 26 06:04:20 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	4061	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	16370	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	8782	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	19584	0.40	ng	0.00
27) Chrysene-d12	21.02	240	21043	0.40	ng	0.00
34) Perylene-d12	23.12	264	24278	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.03	112	4914	0.34	ng	0.00
5) Phenol-d6	6.59	99	6265	0.35	ng	0.00
8) Nitrobenzene-d5	8.53	82	4736	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	9141	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1753	0.38	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	11376	0.32	ng	0.00
25) Fluoranthene-d10	18.84	212	20531	0.33	ng	0.00
29) Terphenyl-d14	19.46	244	14853	0.27	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	13.76	152	1503	0.029	ng	97
23) Phenanthrene	16.84	178	6069	0.103	ng	98
24) Anthracene	16.93	178	2085	0.035	ng	# 94
26) Fluoranthene	18.87	202	30123	0.398	ng	99
28) Pyrene	19.24	202	30619	0.362	ng	96
30) Benzo(a)anthracene	21.00	228	21234	0.257	ng	# 92
31) Chrysene	21.06	228	20654	0.259	ng	# 96
32) Bis(2-ethylhexyl)phthalate	20.97	149	10981	0.186	ng	96
33) Indeno(1,2,3-cd)pyrene	25.18	276	24040	0.250	ng	97
35) Benzo(b)fluoranthene	22.51	252	41191	0.468	ng	98
36) Benzo(k)fluoranthene	22.54	252	12430m	0.143	ng	
37) Benzo(a)pyrene	23.03	252	25838	0.309	ng	97
38) Dibenzo(a,h)anthracene	25.19	278	5653	0.068	ng	# 70
39) Benzo(g,h,i)perylene	25.81	276	26247	0.315	ng	97

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

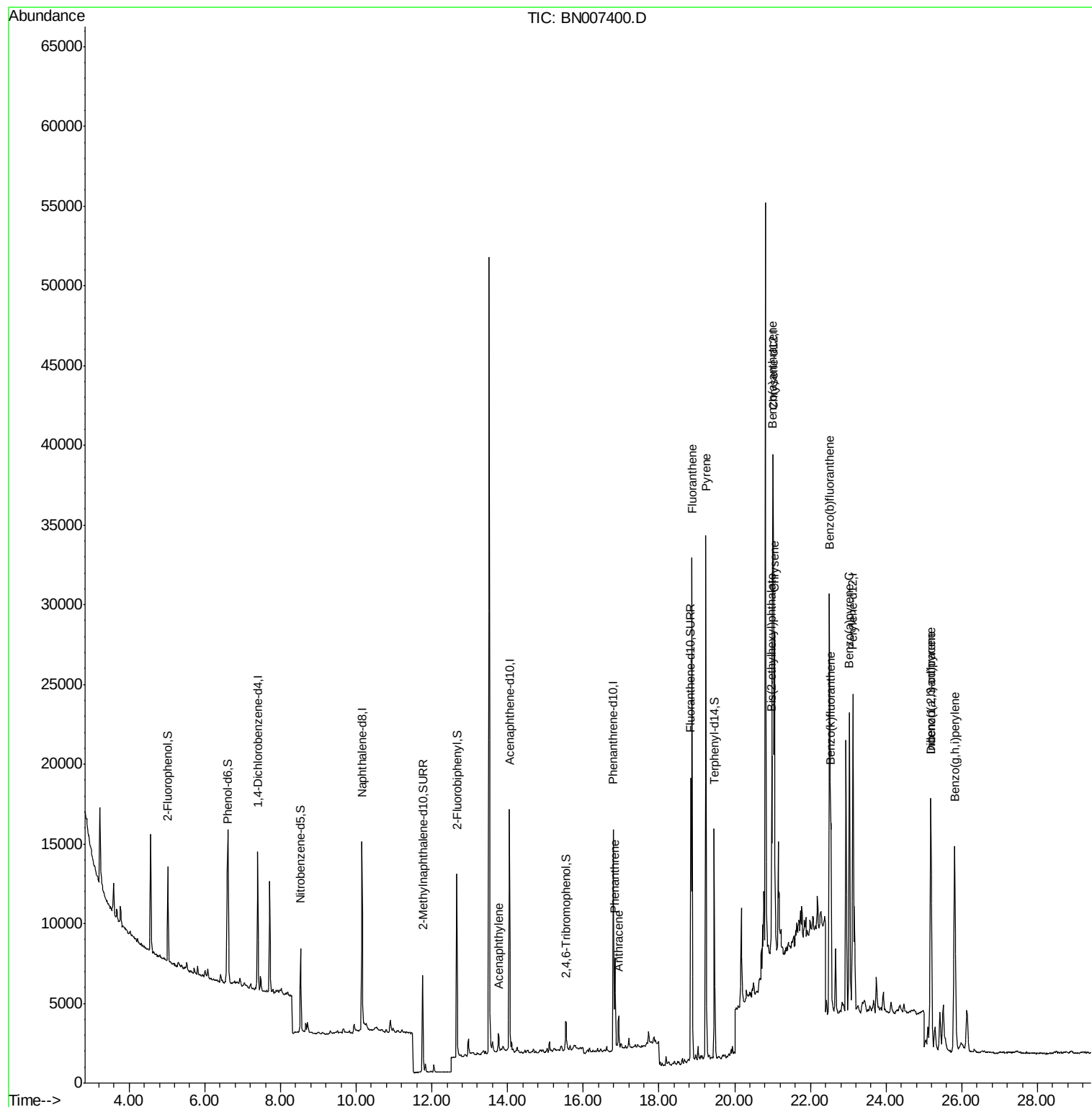
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082519\
Data File : BN007400.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

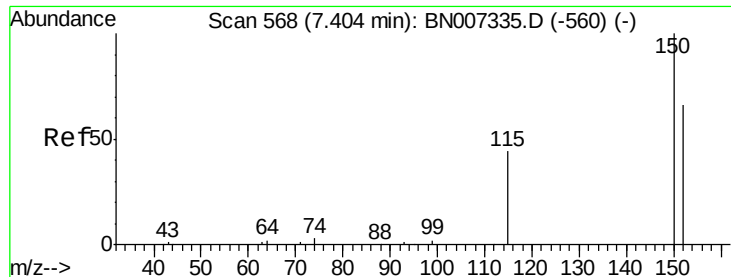
Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

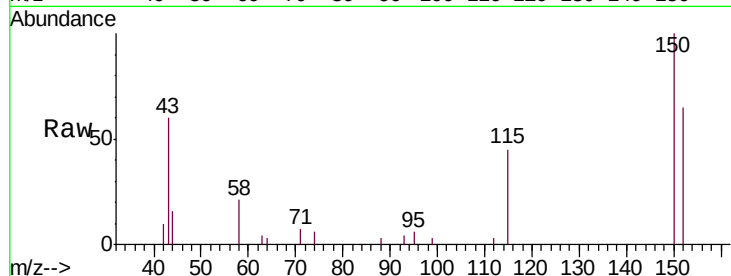
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	109.1	163.7
115	69.8	59.6	89.4

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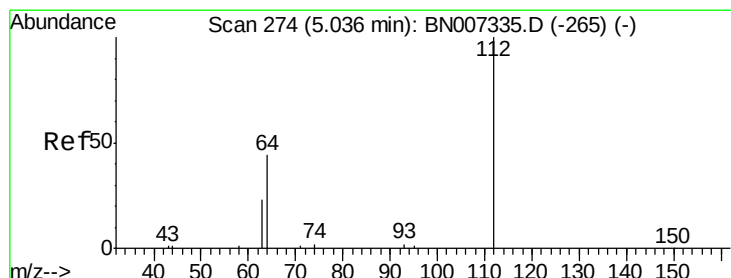
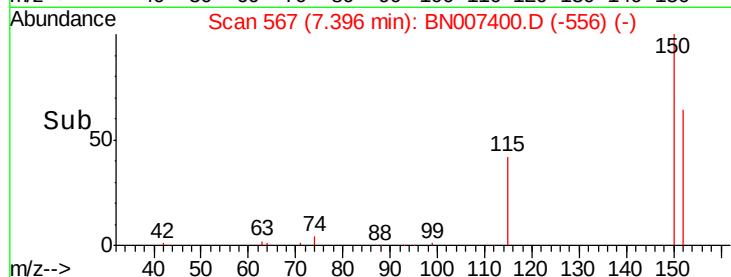
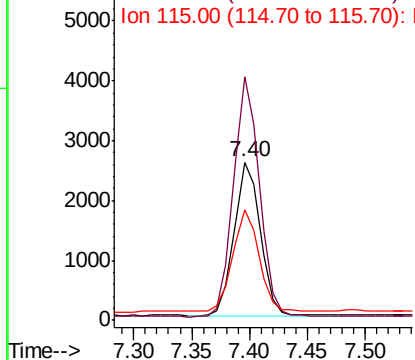


Abundance

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: 0.345 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

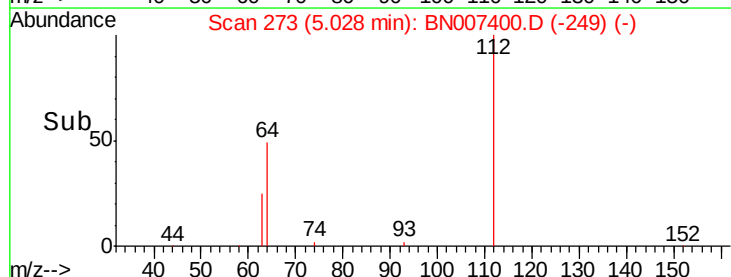
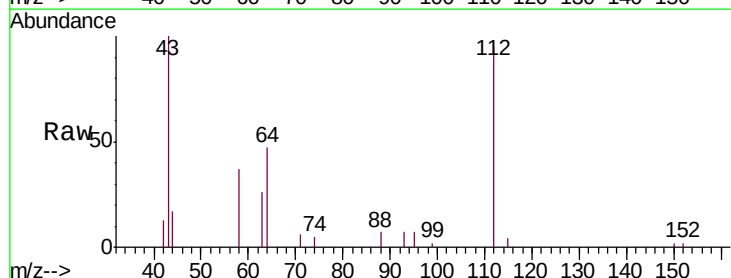
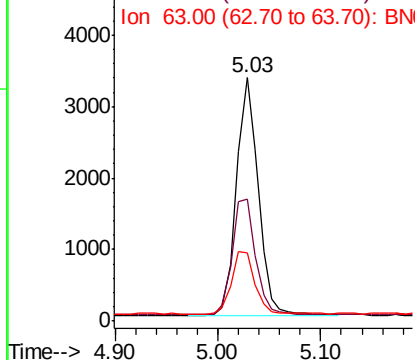
Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	42.3	63.5
63	28.3	23.6	35.4

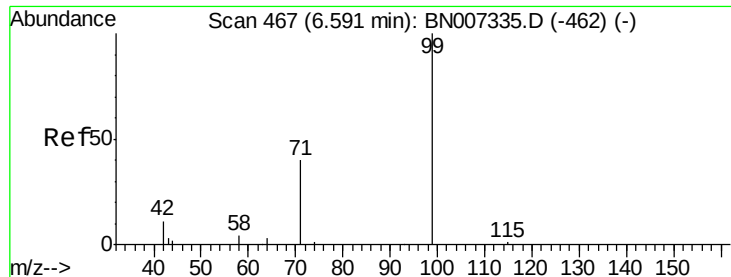
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.345 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

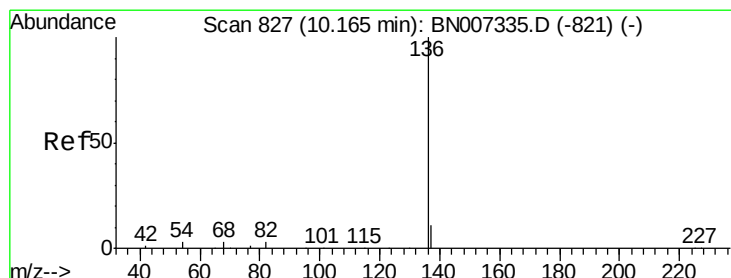
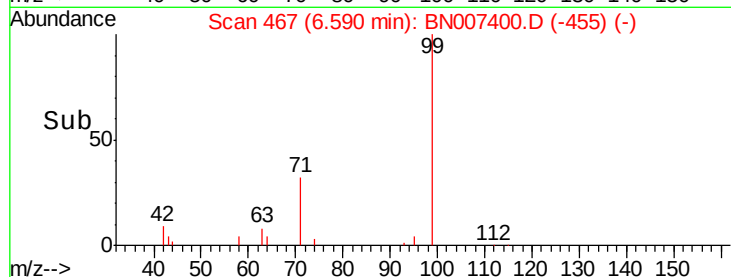
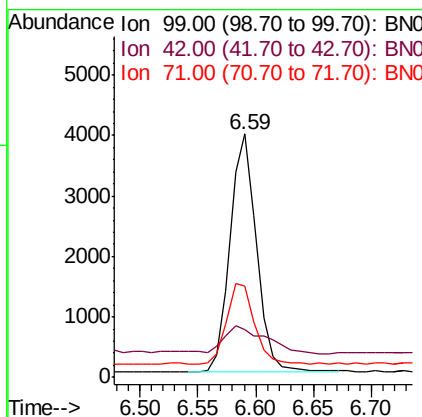
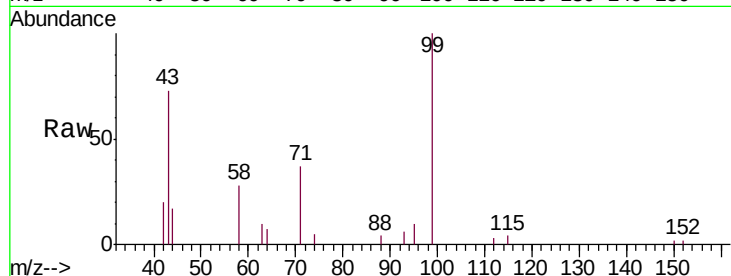
ClientSampleId :

S601-M-1.0-1.5-082219

Tot Ion:	99	Resp:	6265
Ion	Ratio	Lower	Upper
99	100		
42	18.1	11.2	16.8#
71	36.5	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

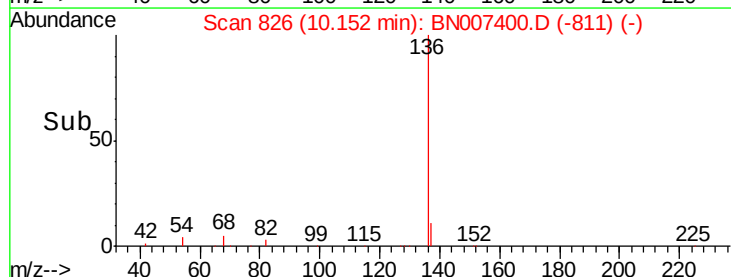
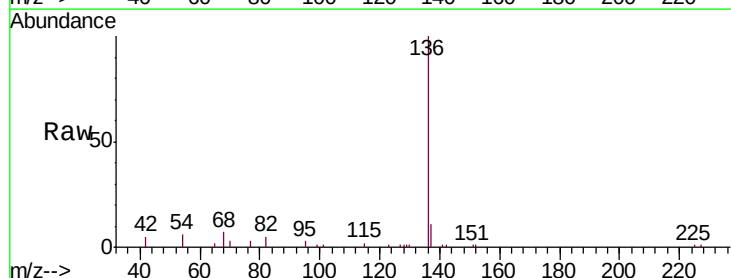
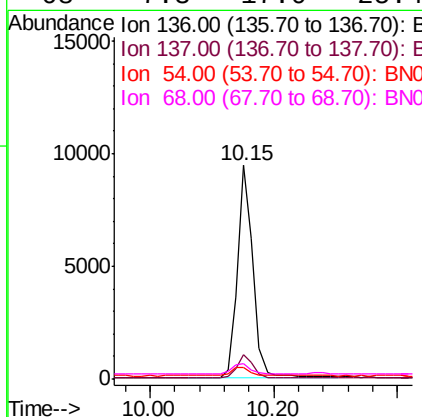
RT: 10.15 min Scan# 826

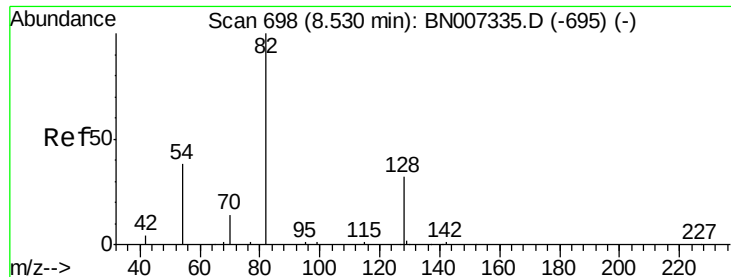
Delta R.T. -0.01 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Tgt Ion:	136	Resp:	16370
Ion	Ratio	Lower	Upper
136	100		
137	11.4	12.9	19.3#
54	5.6	8.6	12.8#
68	7.3	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.332 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

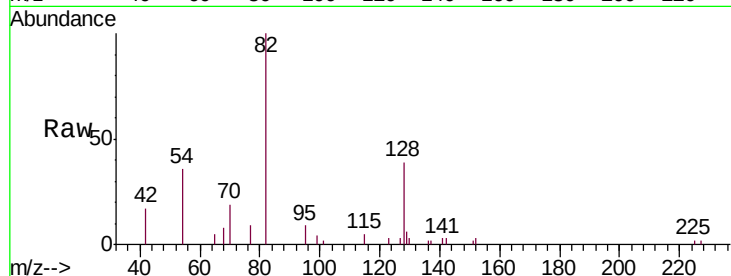
ClientSampleId :

S601-M-1.0-1.5-082219

Tot Ion:	82	Resp:	4736
Ion	Ratio	Lower	Upper
82	100		
128	38.8	19.7	29.5#
54	35.7	25.8	38.6

Manual Integrations
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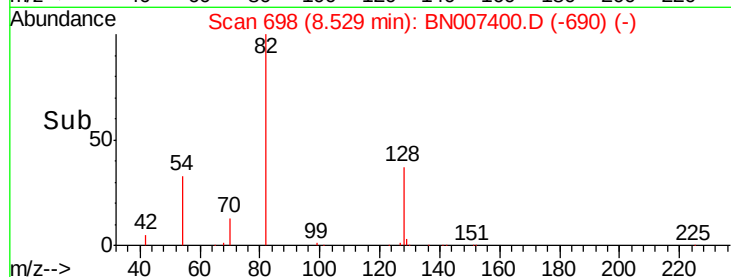


Abundance Ion 82.00 (81.70 to 82.70): BN007400.D (-690) (-)

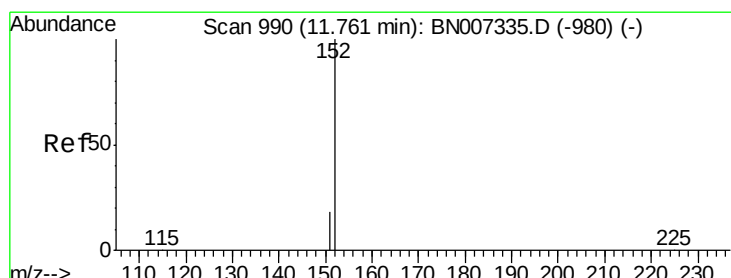
Ion 128.00 (127.70 to 128.70): BN007400.D (-690) (-)

Ion 54.00 (53.70 to 54.70): BN007400.D (-690) (-)

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.336 ng

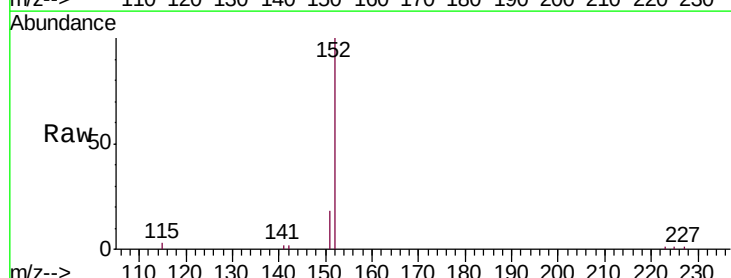
RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

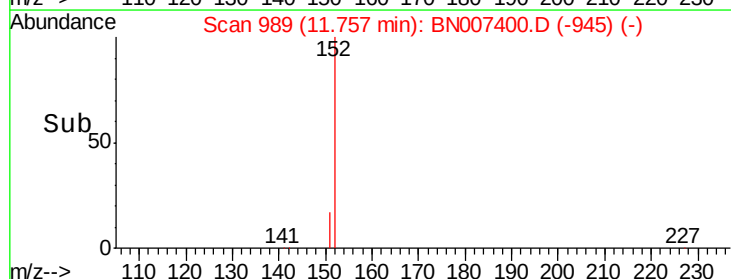
Tgt Ion:	152	Resp:	9141
Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.2	24.2



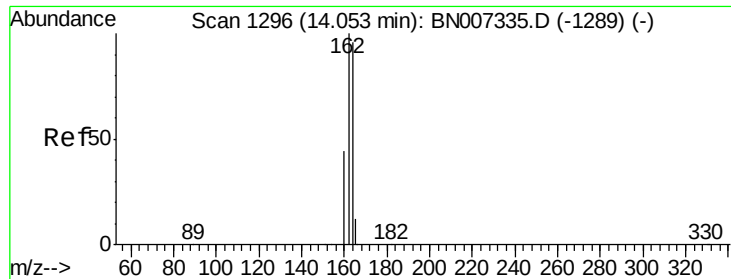
Abundance Ion 152.00 (151.70 to 152.70): BN007400.D (-945) (-)

Ion 151.00 (150.70 to 151.70): BN007400.D (-945) (-)

Time-->



Time-->



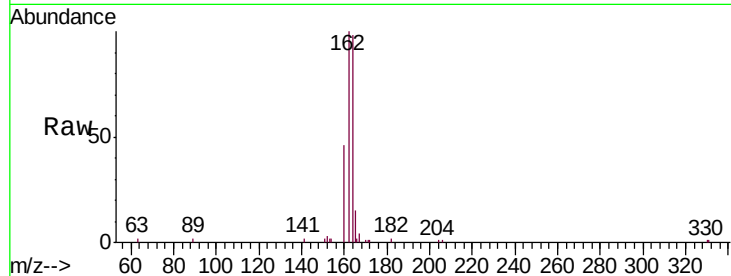
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.5	125.3
160	46.6	38.2	57.4

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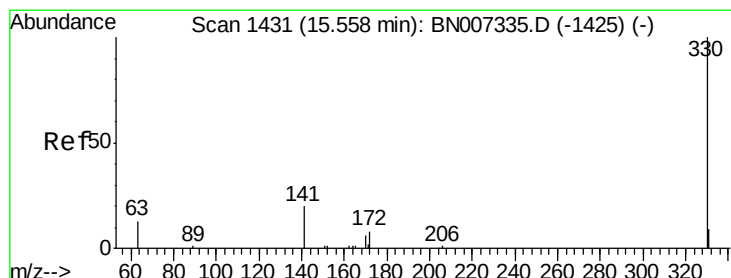
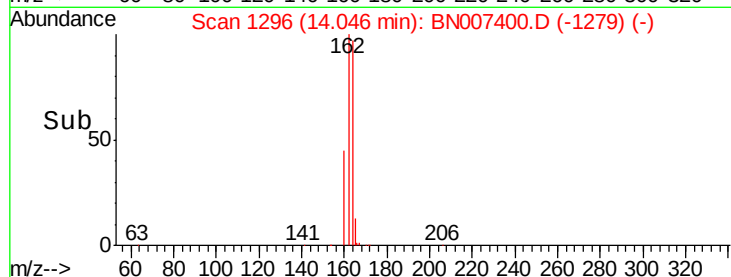
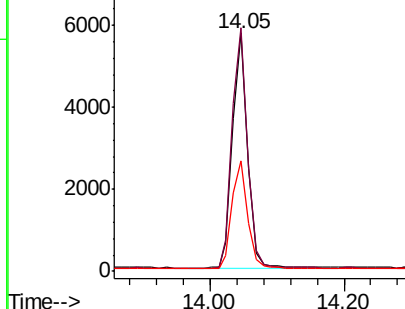


Abundance

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: 0.382 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

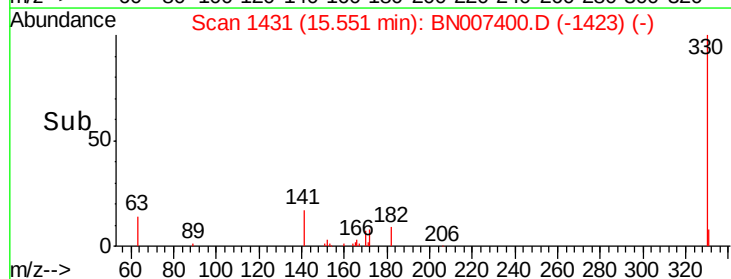
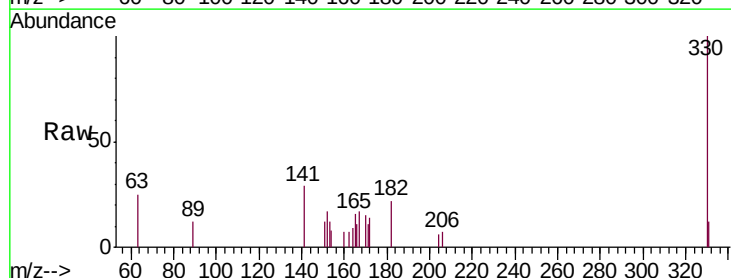
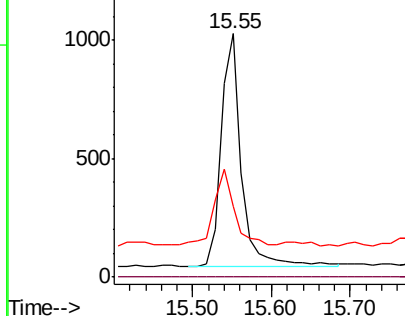
Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.0	26.9	40.3

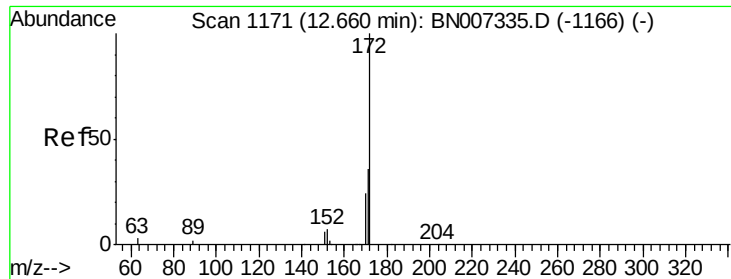
Abundance

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





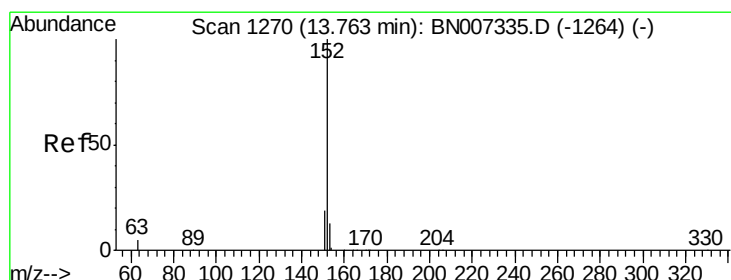
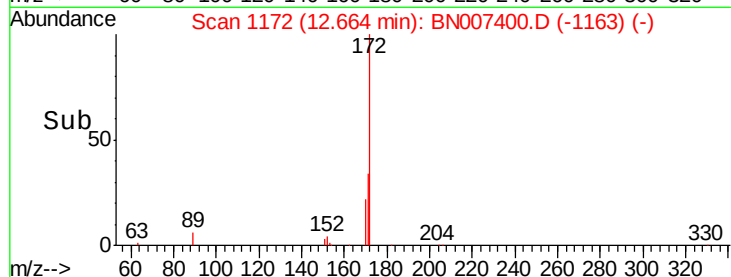
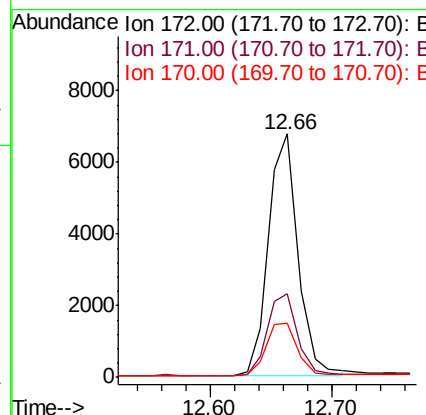
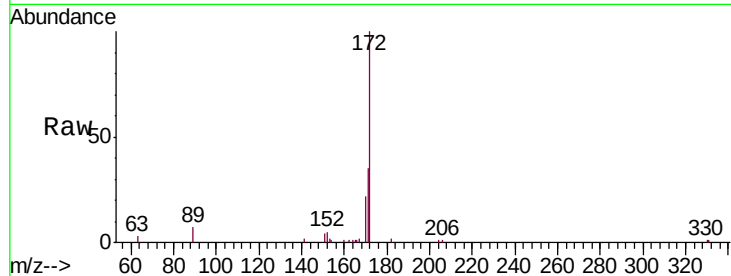
#15
2-Fluorobiphenyl
Concen: 0.321 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.3	45.5
170	22.4	20.7	31.1

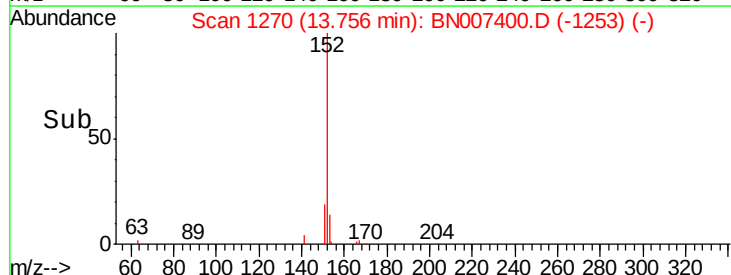
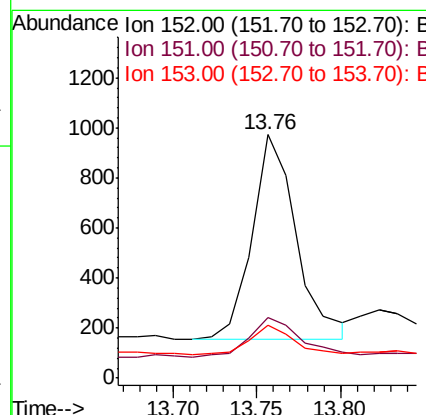
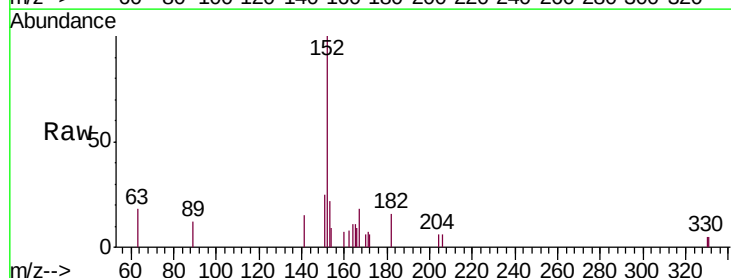
Manual Integrations
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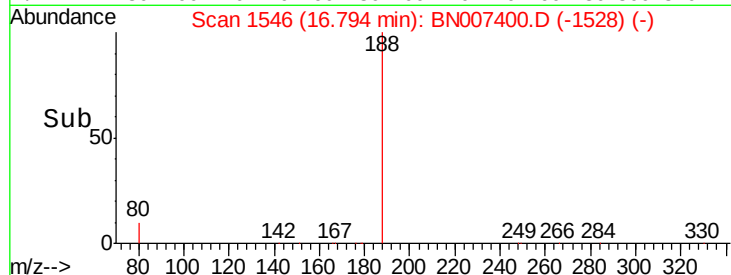
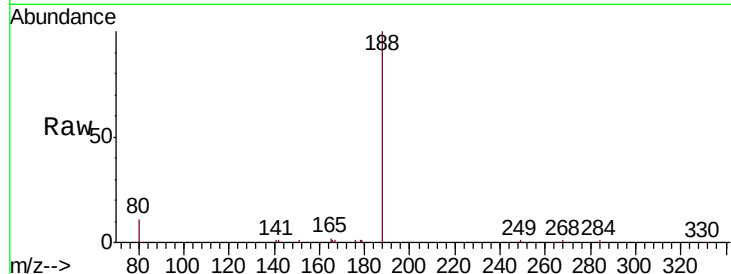
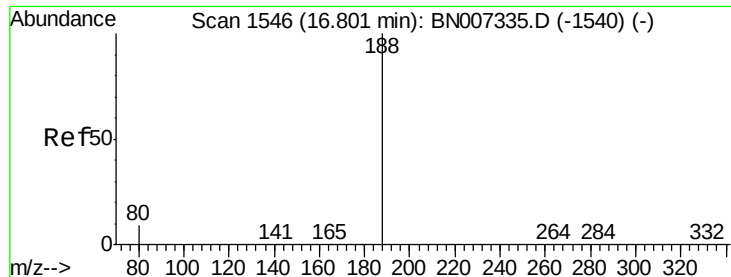
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#16
Acenaphthylene
Concen: 0.029 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.1	24.1
153	13.8	10.6	15.8





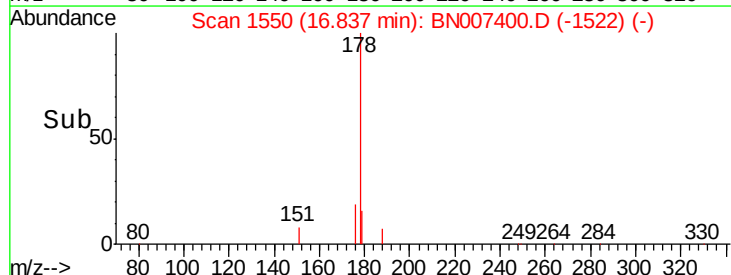
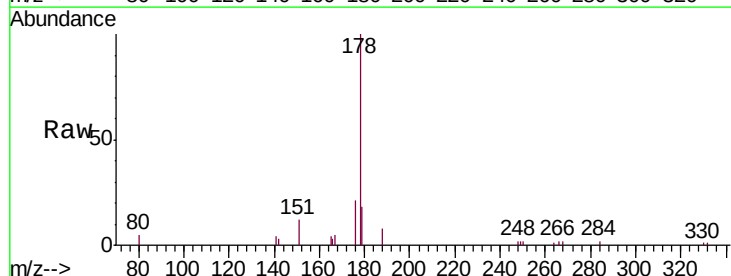
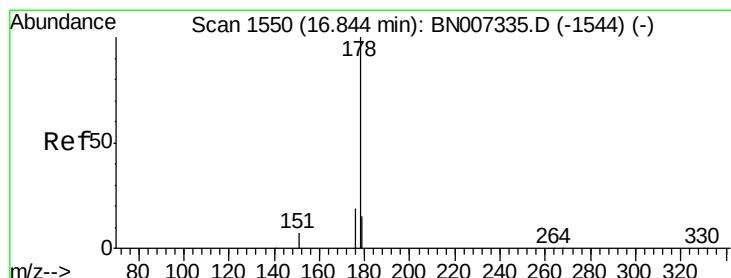
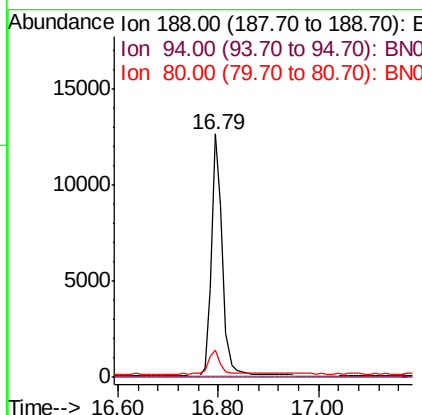
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Tot Ion	Ratio	Resp	Lower	Upper
188	100	19584		
94	0.0	0.0	0.0	
80	11.0	11.8	17.8	

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

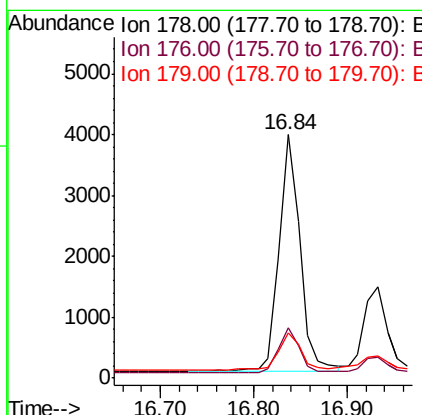
Manual Integrations
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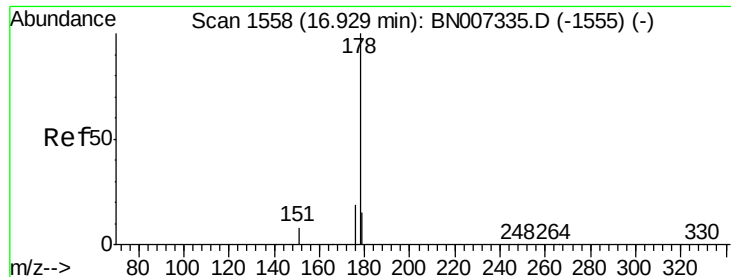
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#23
Phenanthrene
Concen: 0.103 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	6069		
176	18.5	15.3	22.9	
179	17.3	12.6	19.0	





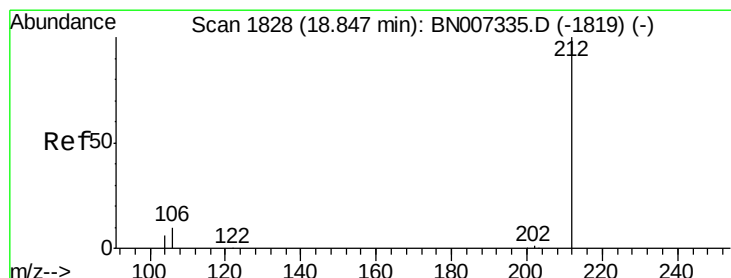
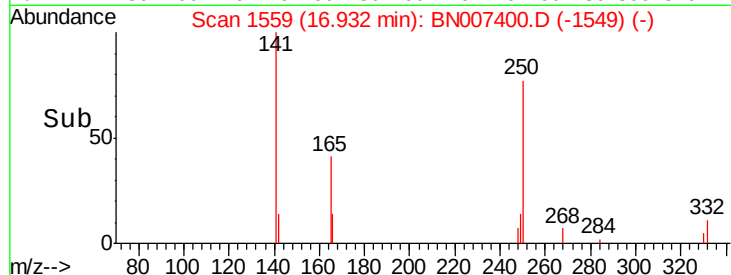
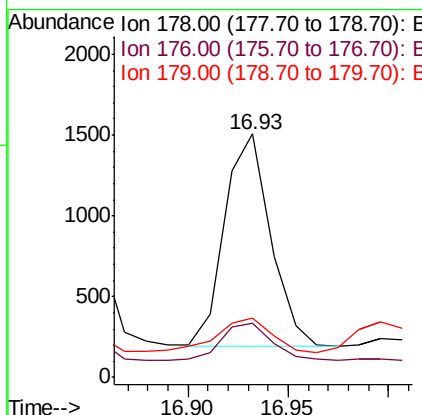
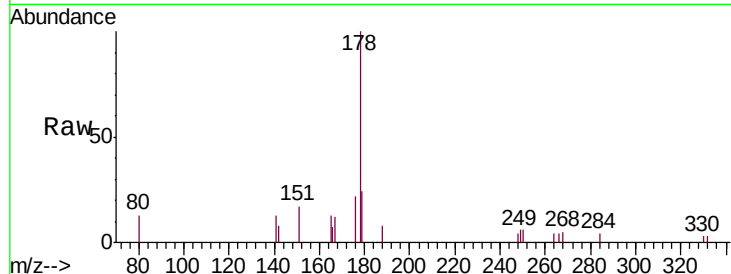
#24
 Anthracene
 Concen: 0.035 ng
 RT: 16.93 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: BN007400.D
 Acq: 25 Aug 2019 17:49

Instrument :
 BNA_N
 ClientSampleId :
 S601-M-1.0-1.5-082219

Tot Ion:178	Resp:	2085
Ion Ratio	Lower	Upper
178 100		
176 18.7	14.9	22.3
179 20.5	12.4	18.6#

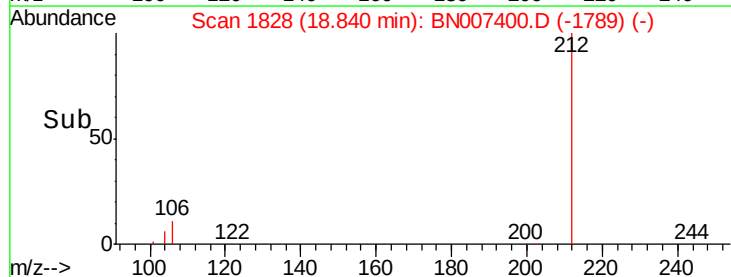
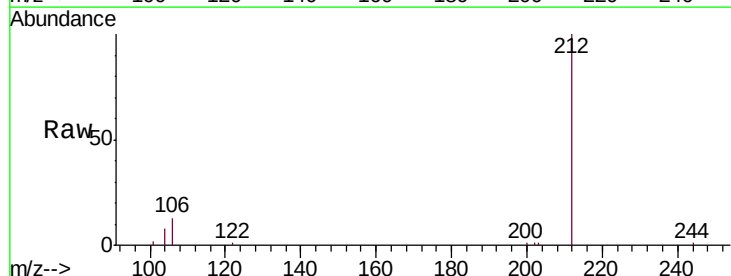
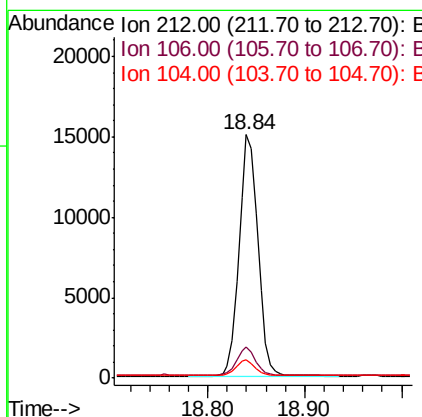
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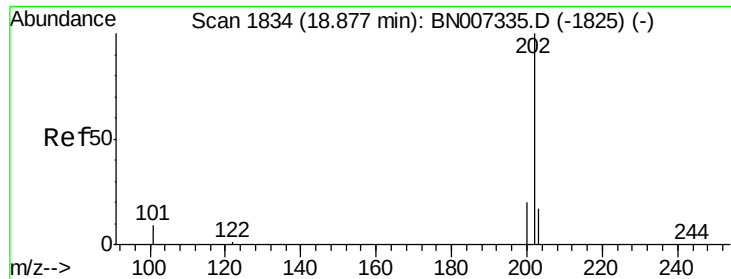
Jagrut
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#25
 Fluoranthene-d10
 Concen: 0.326 ng
 RT: 18.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BN007400.D
 Acq: 25 Aug 2019 17:49

Tgt Ion:212	Resp:	20531
Ion Ratio	Lower	Upper
212 100		
106 11.4	9.0	13.4
104 6.5	5.4	8.2





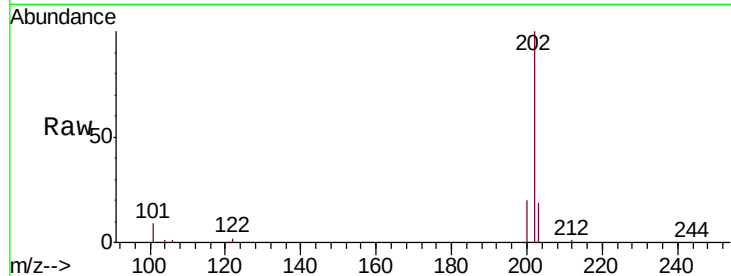
#26
 Fluoranthene
 Concen: 0.398 ng
 RT: 18.87 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BN007400.D
 Acq: 25 Aug 2019 17:49

Instrument :
 BNA_N
 ClientSampleId :
 S601-M-1.0-1.5-082219

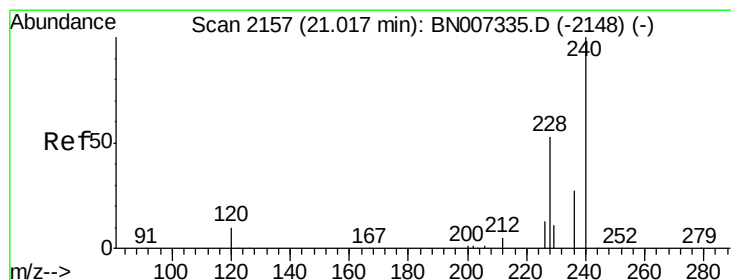
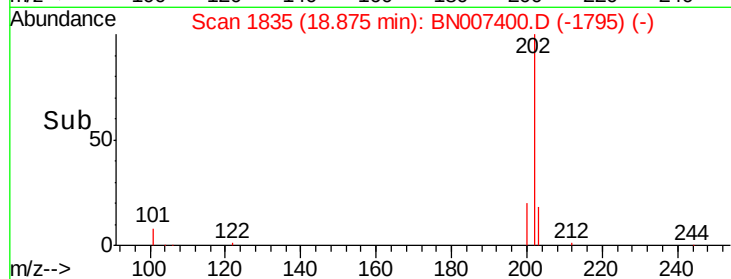
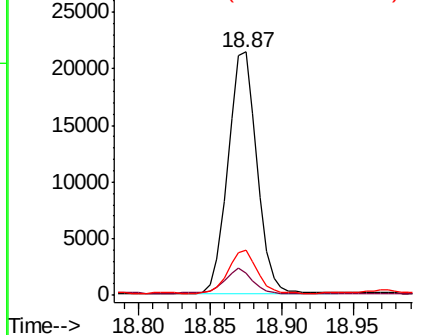
Tot Ion:	202	Resp:	30123
Ion Ratio	Lower	Upper	
202	100		
101	10.0	7.7	11.5
203	17.2	13.7	20.5

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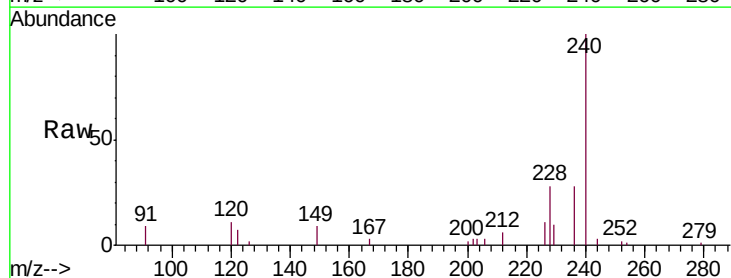


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

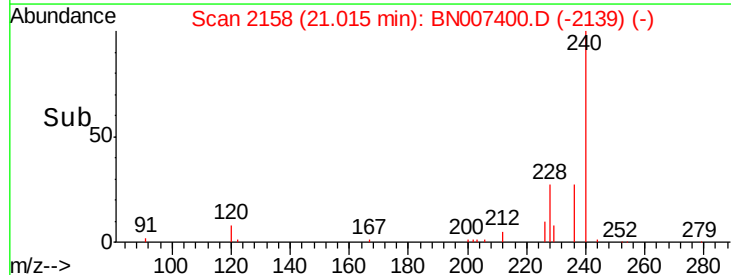
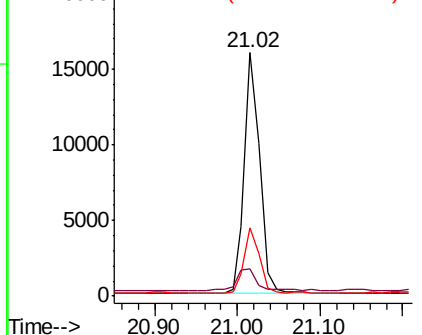


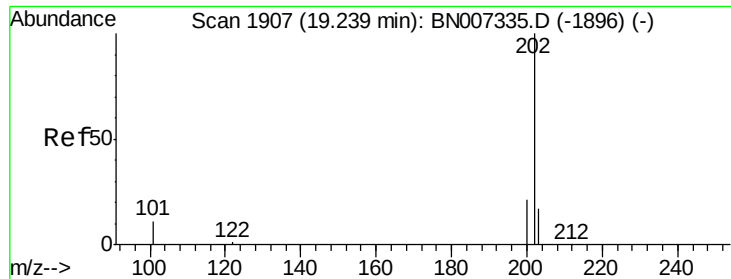
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007400.D
 Acq: 25 Aug 2019 17:49

Tgt Ion:	240	Resp:	21043
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.6	14.4
236	27.8	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





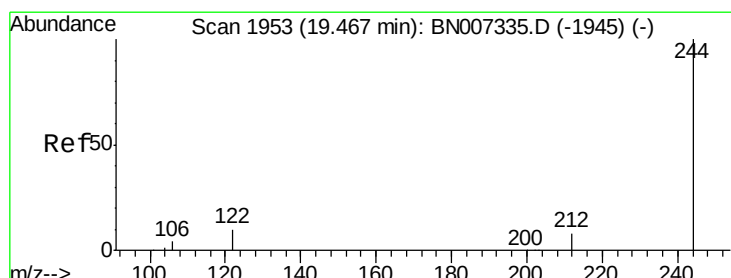
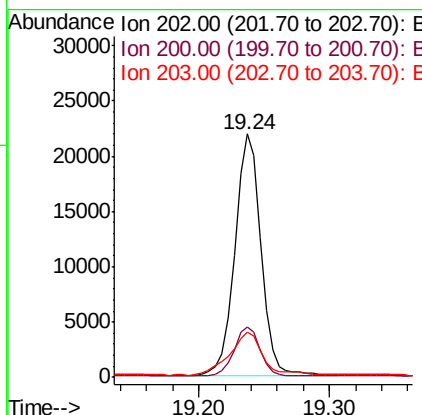
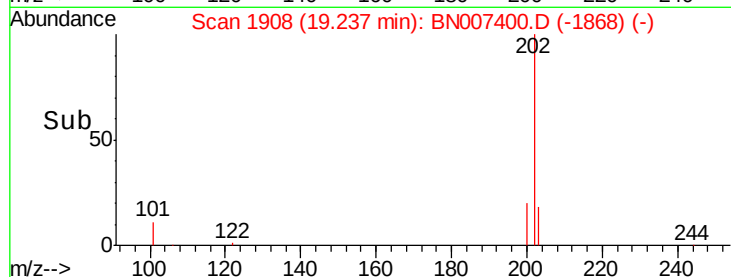
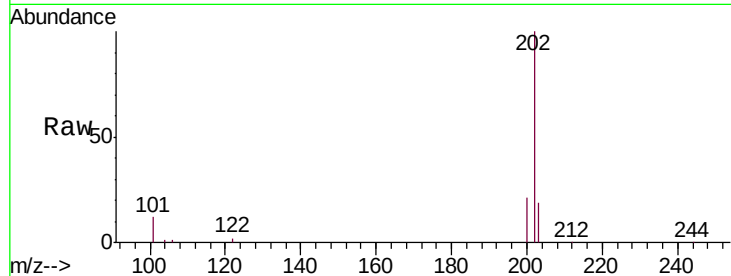
#28
Pvrene
Concen: 0.362 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	16.6	25.0	
203	21.3	14.2	21.4	

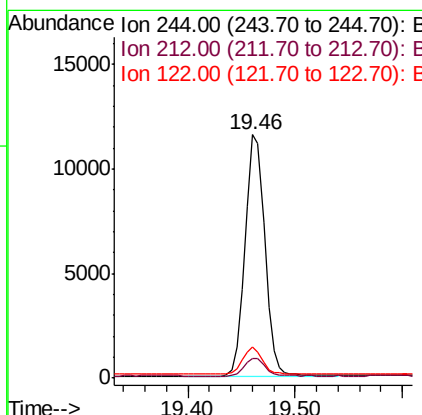
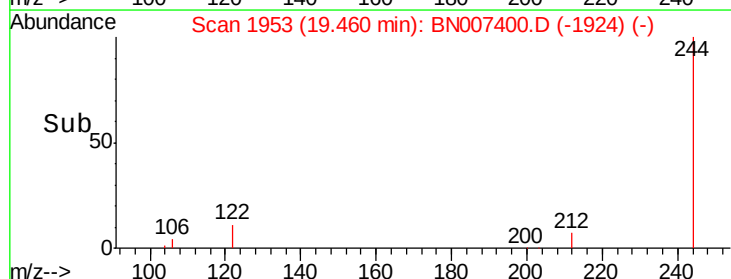
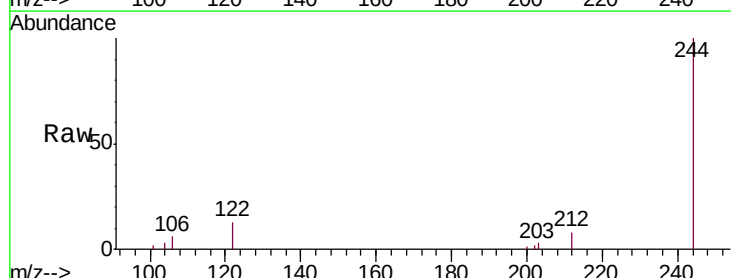
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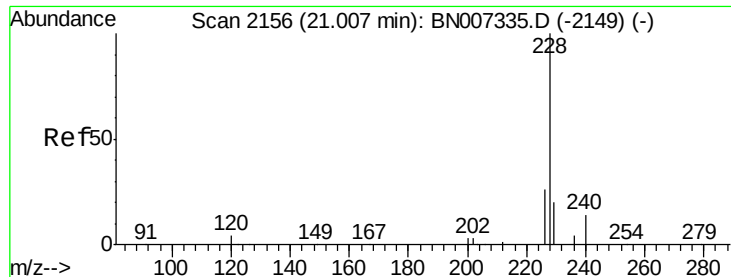
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#29
Terphenyl-d14
Concen: 0.270 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.2	7.0	10.6	
122	12.7	9.6	14.4	





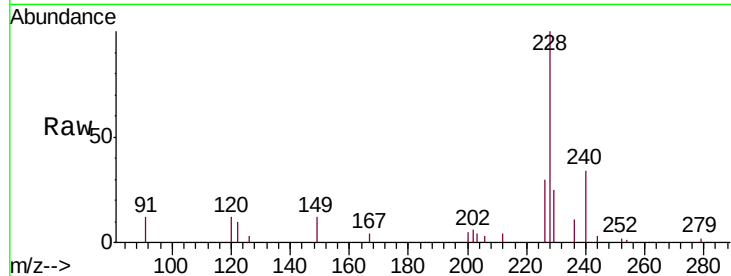
#30
Benzo(a)anthracene
Concen: 0.257 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.3	31.9
229	25.1	16.1	24.1

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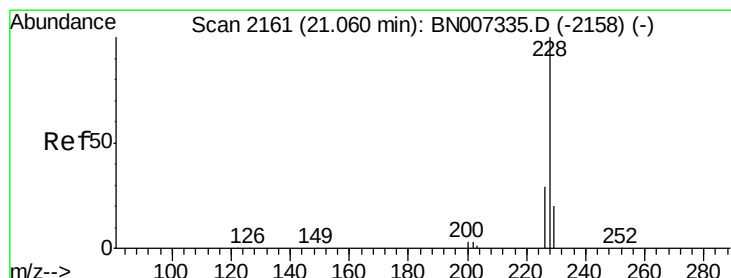
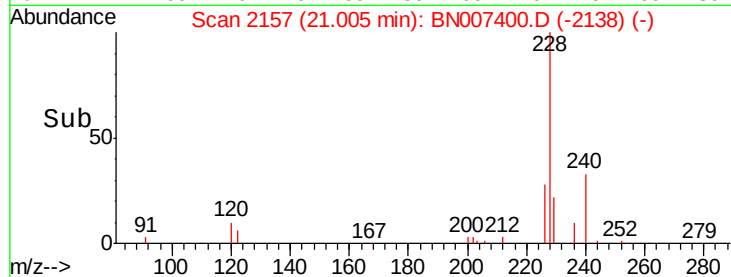
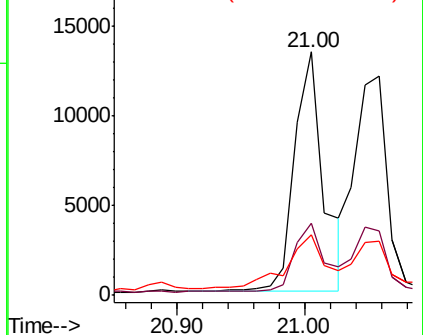


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.259 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

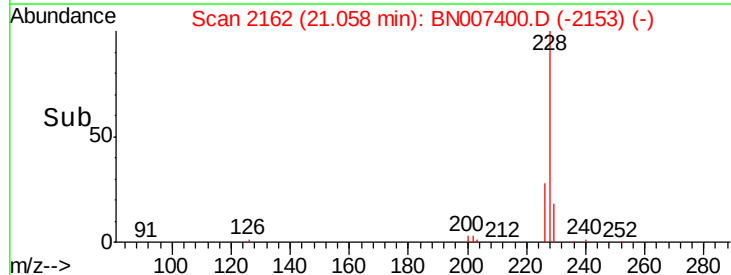
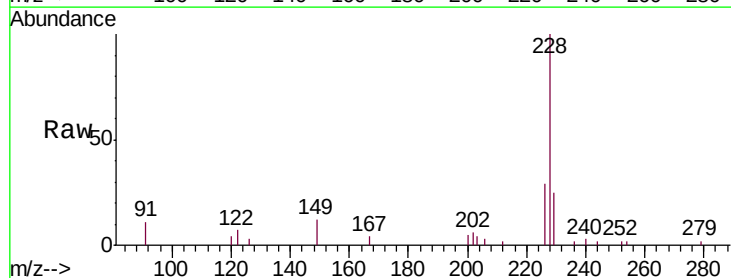
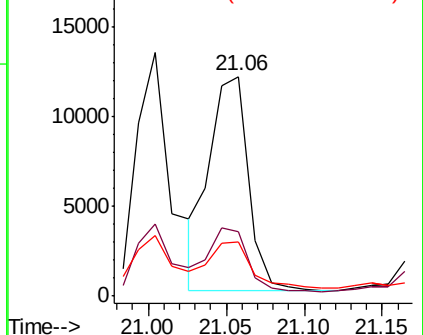
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.5	35.3
229	24.8	16.6	24.8

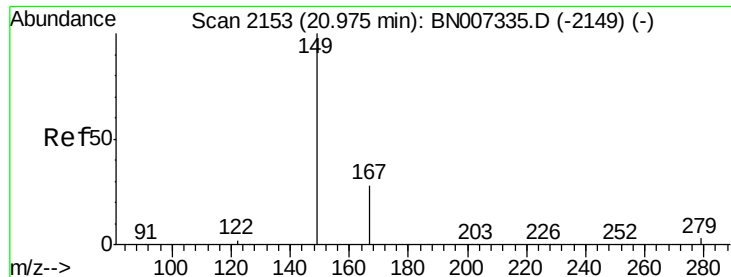
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





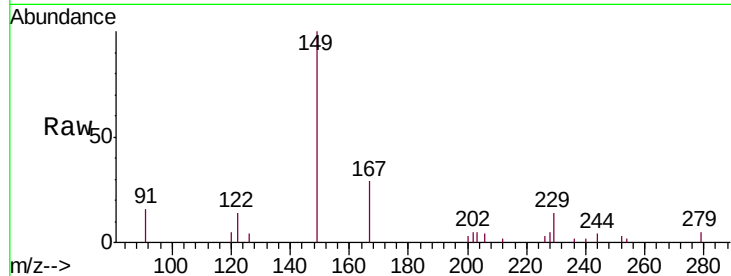
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.186 ng
 RT: 20.97 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: BN007400.D
 Acq: 25 Aug 2019 17:49

Instrument :
 BNA_N
 ClientSampleId :
 S601-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.1	22.8	34.2
279	4.8	3.5	5.3

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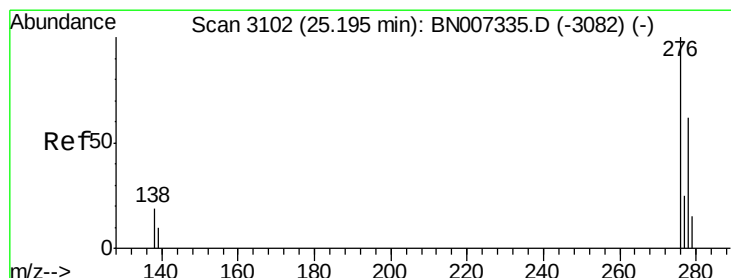
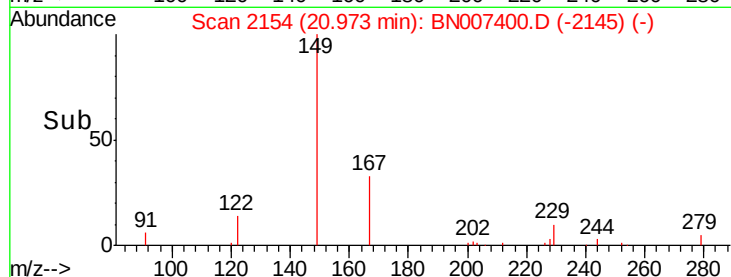
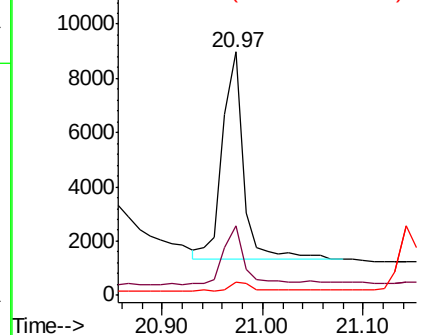


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.250 ng
 RT: 25.18 min Scan# 3100
 Delta R.T. -0.01 min
 Lab File: BN007400.D
 Acq: 25 Aug 2019 17:49

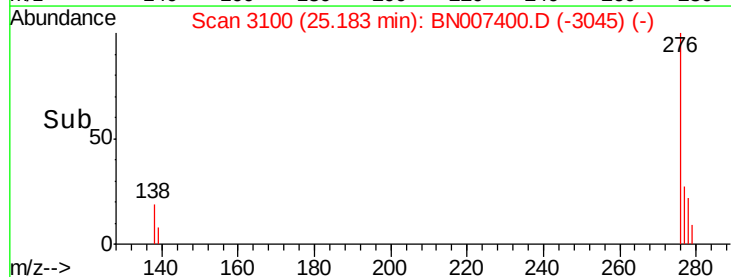
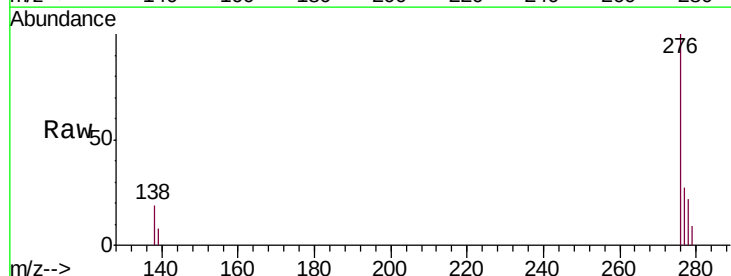
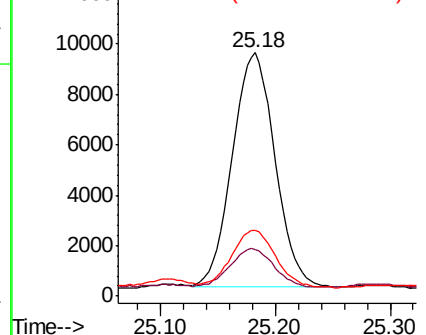
Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	15.1	22.7
277	25.1	19.7	29.5

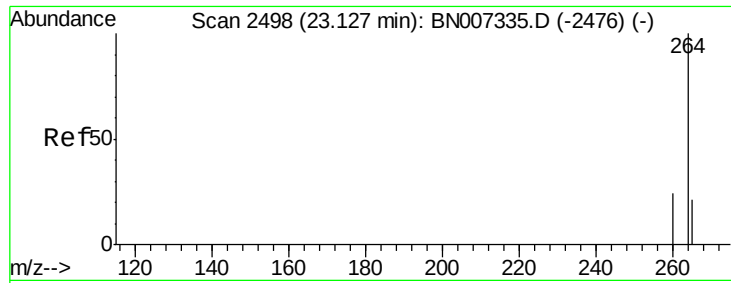
Abundance

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





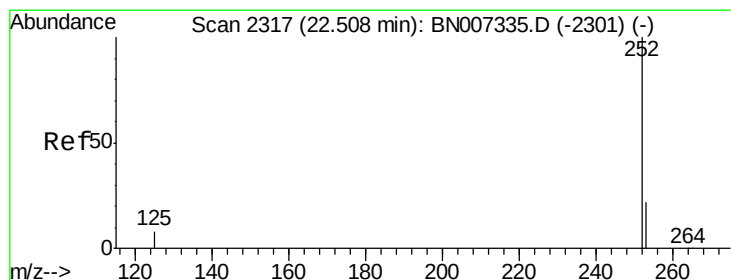
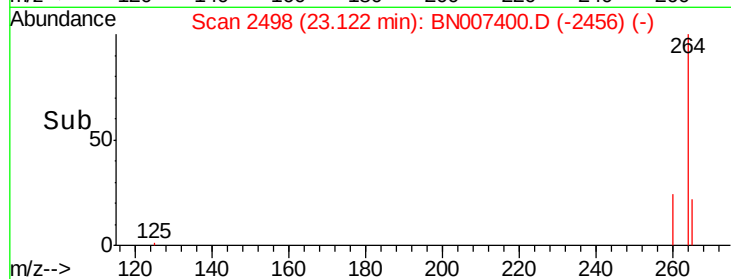
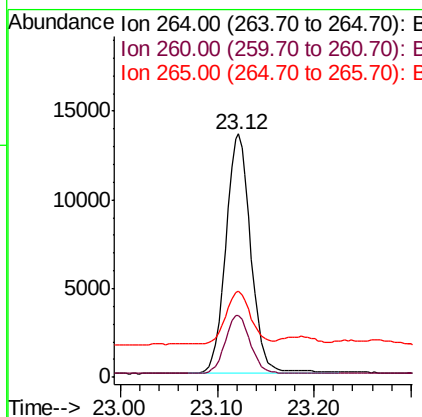
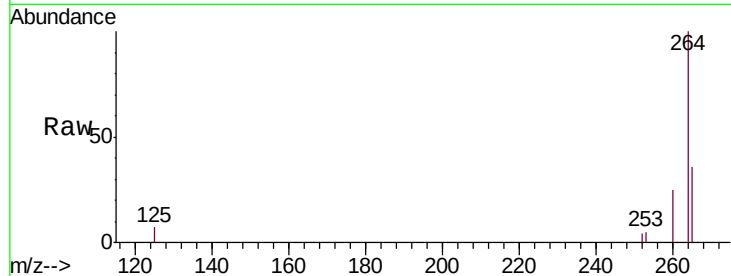
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	35.5	29.9	44.9

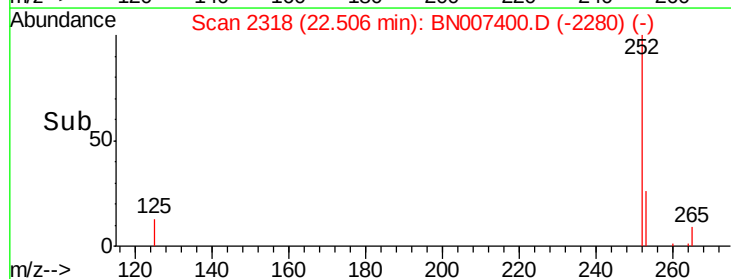
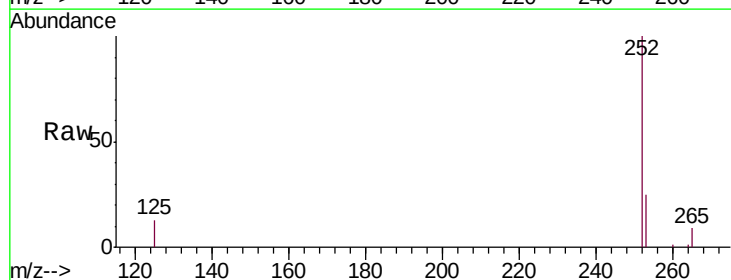
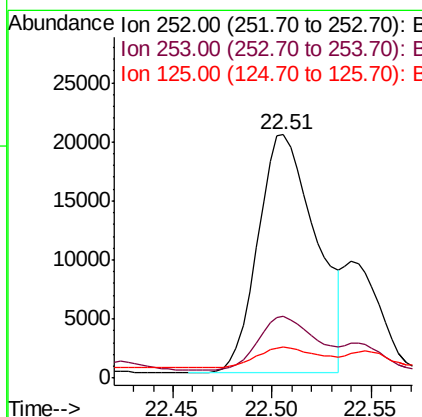
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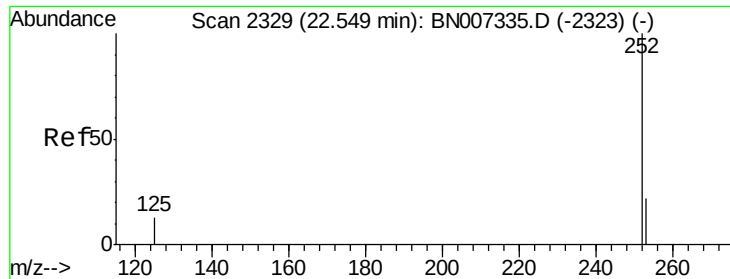
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#35
Benzo(b)fluoranthene
Concen: 0.468 ng
RT: 22.51 min Scan# 2318
Delta R.T. -0.00 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.2	28.8
125	12.6	10.6	16.0





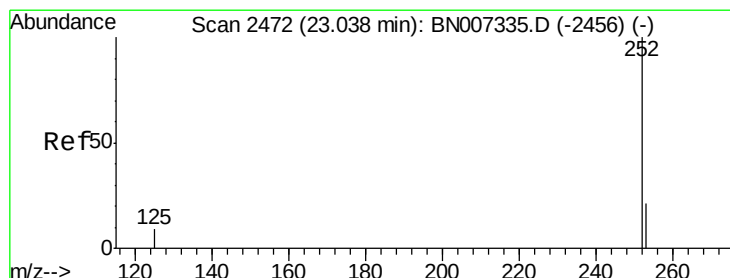
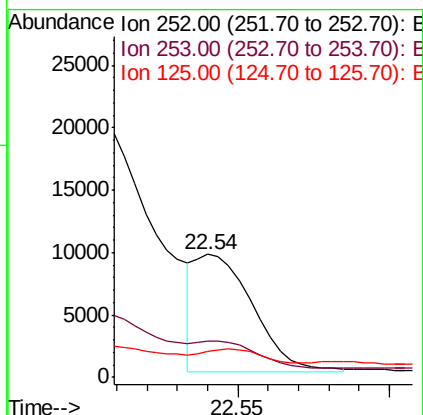
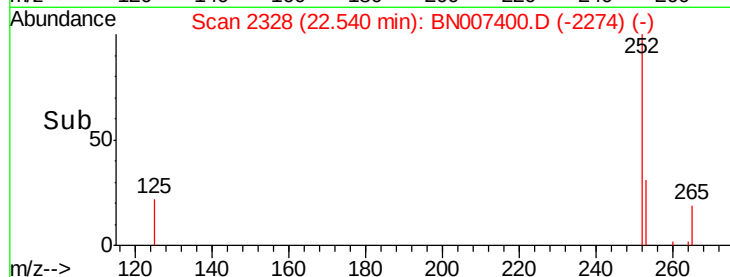
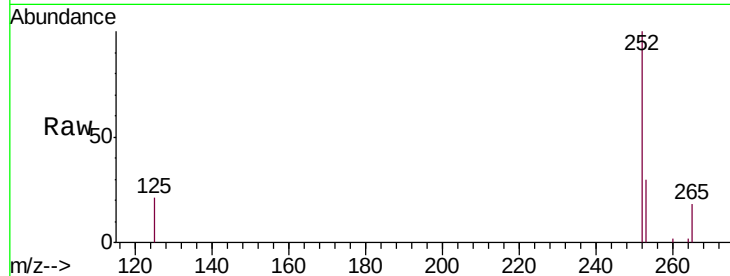
#36
Benzo(k)fluoranthene
Concen: 0.143 ng m
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.7	19.4	29.2#
125	21.2	13.1	19.7#

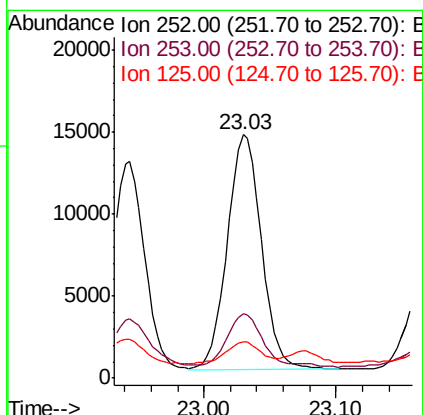
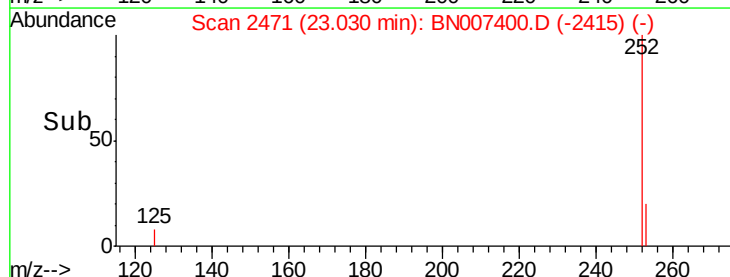
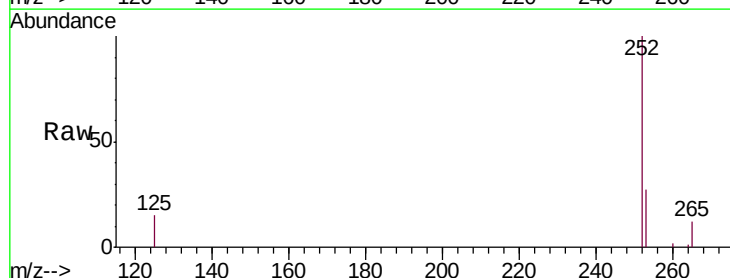
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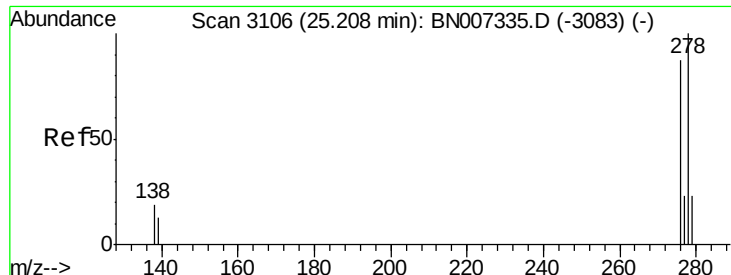
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#37
Benzo(a)pyrene
Concen: 0.309 ng
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.5	29.3
125	14.7	12.1	18.1





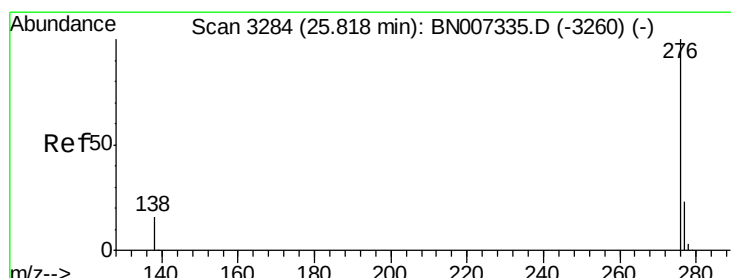
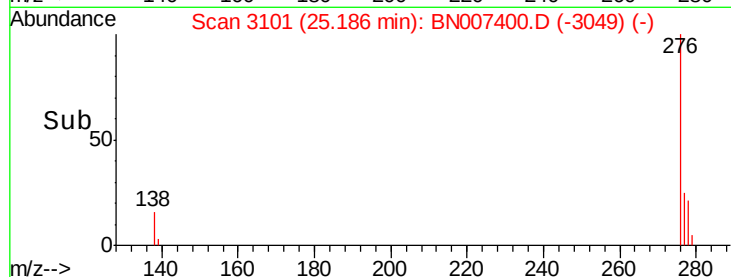
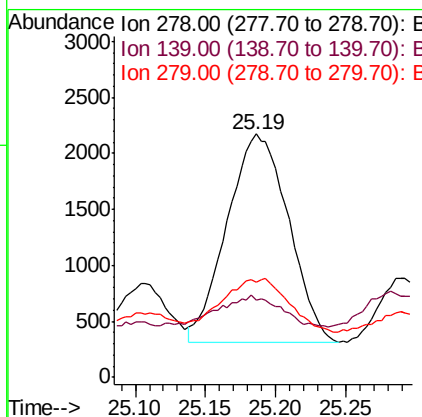
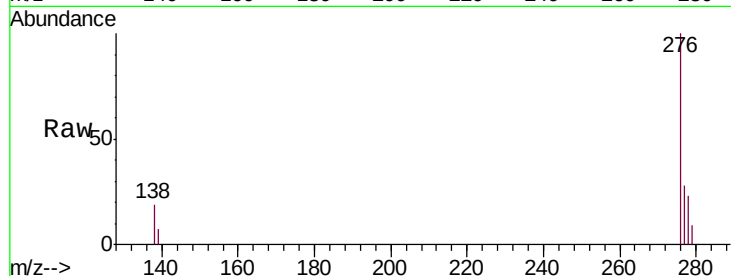
#38
Dibenzo(a,h)anthracene
Concen: 0.068 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.7	13.7	20.5#
279	39.2	20.2	30.4#

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#39
Benzo(g,h,i)perylene
Concen: 0.315 ng
RT: 25.81 min Scan# 3284
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.6	29.4
138	20.1	16.3	24.5

