

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
 Data File : BN009017.D
 Acq On : 17 Dec 2019 17:34
 Operator : JU
 Sample : K6239-05DL2 500X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-SDL2

Manual Integrations
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 12/18/2019 2:41:45 PM

Quant Time: Dec 18 14:39:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Dec 09 17:02:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3016	0.40	ng	-0.02
7) Naphthalene-d8	10.29	136	14202	0.40	ng	-0.03
13) Acenaphthene-d10	14.17	164	10796	0.40	ng	-0.01
19) Phenanthrene-d10	16.92	188	25751	0.40	ng	-0.01
27) Chrysene-d12	21.13	240	23632	0.40	ng	0.00
34) Perylene-d12	23.28	264	21100	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0d	0.00	ng	
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng	
14) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
15) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
25) Fluoranthene-d10	0.00	212	0d	0.00	ng	
29) Terphenyl-d14	0.00	244	0d	0.00	ng	

Target Compounds

						Qvalue
9) Naphthalene	10.34	128	69656	1.798	ng	99
12) 2-Methylnaphthalene	11.97	142	12828	0.444	ng	99
16) Acenaphthylene	13.88	152	1860	0.038	ng	# 86
17) Acenaphthene	14.24	154	14010	0.427	ng	99
18) Fluorene	15.23	166	20068	0.455	ng	100
23) Phenanthrene	16.96	178	99246	1.224	ng	100
24) Anthracene	17.05	178	21609	0.303	ng	97
26) Fluoranthene	18.99	202	71928	0.746	ng	100
28) Pyrene	19.35	202	50700	0.612	ng	# 93
30) Benzo(a)anthracene	21.11	228	16661	0.199	ng	94
31) Chrysene	21.16	228	14919m	0.172	ng	
33) Indeno(1,2,3-cd)pyrene	25.39	276	3253	0.035	ng	99
35) Benzo(b)fluoranthene	22.65	252	12653	0.167	ng	# 57
36) Benzo(k)fluoranthene	22.68	252	3983m	0.052	ng	
37) Benzo(a)pyrene	23.18	252	6461	0.095	ng	# 40
39) Benzo(g,h,i)perylene	26.02	276	2781	0.044	ng	# 56

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

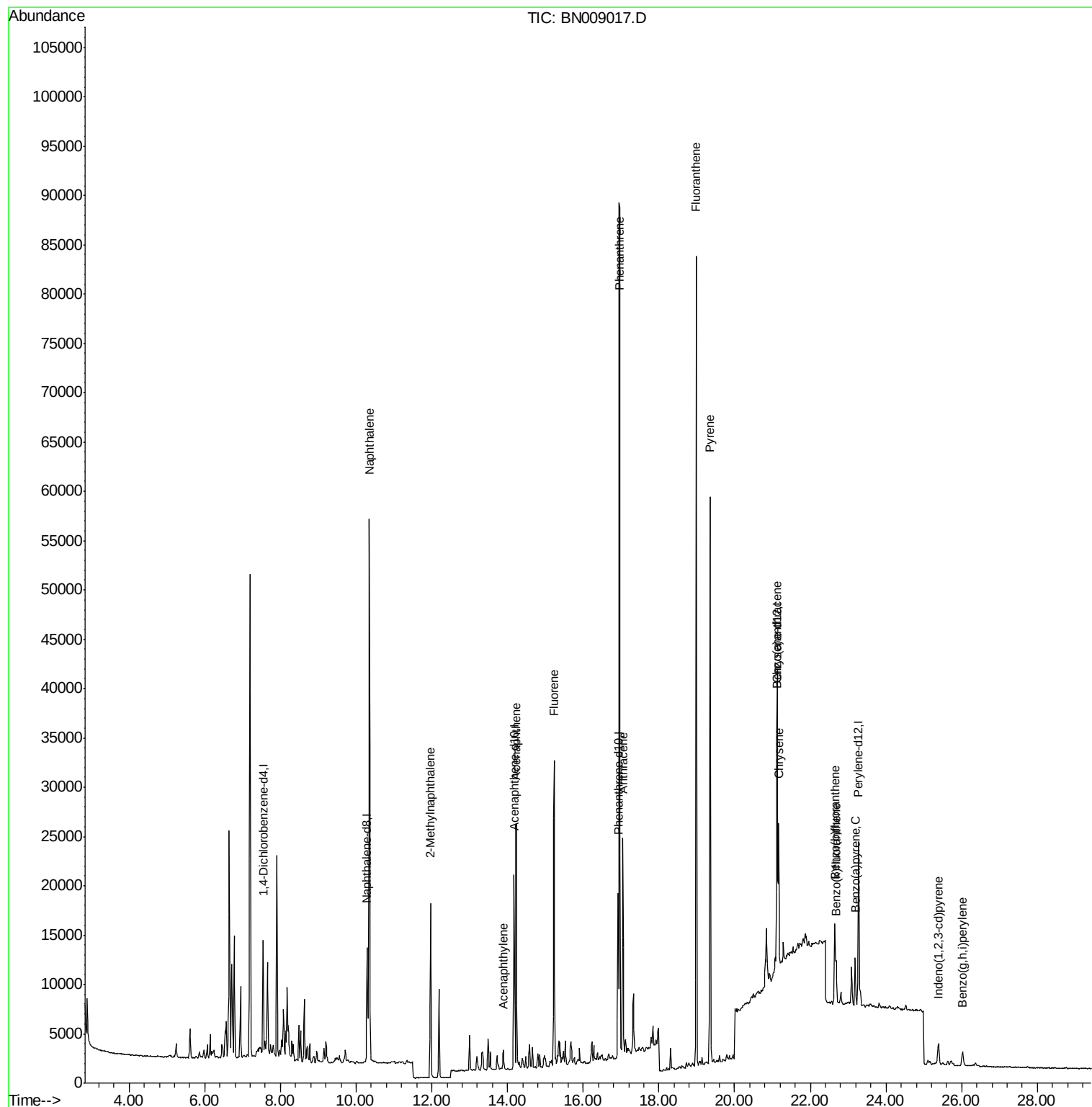
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
Data File : BN009017.D
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Operator : JU
Sample : K6239-05DL2 500X
Misc :
ALS Vial : 11 Sample Multiplier: 1

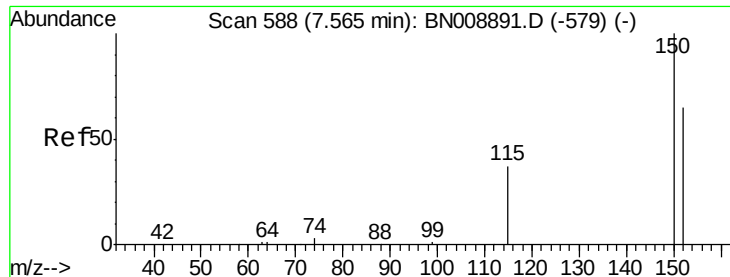
Instrument :
BNA_N
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BE-211-COMP-SDL2

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Quant Time: Dec 18 14:39:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

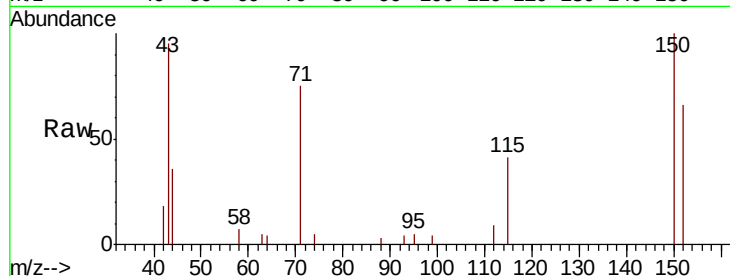
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.02 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	122.3	183.5
115	62.1	48.4	72.6

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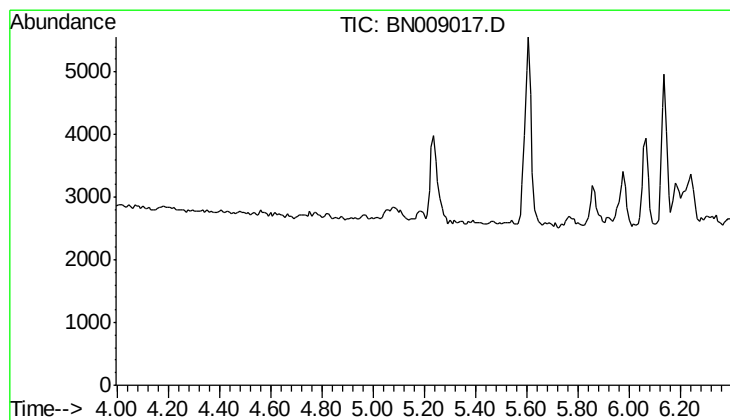
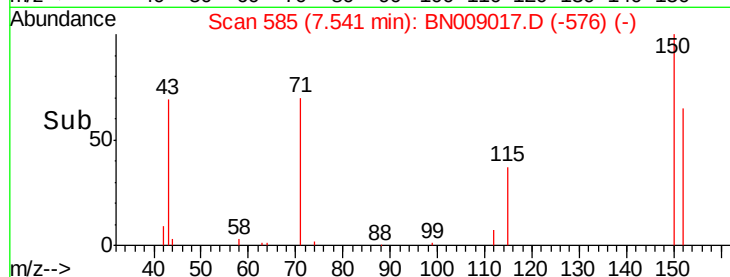
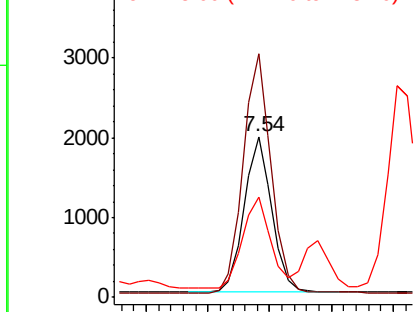


Abundance

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

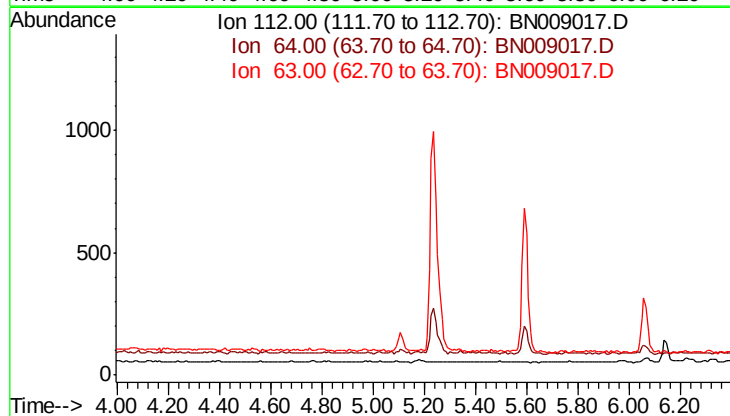


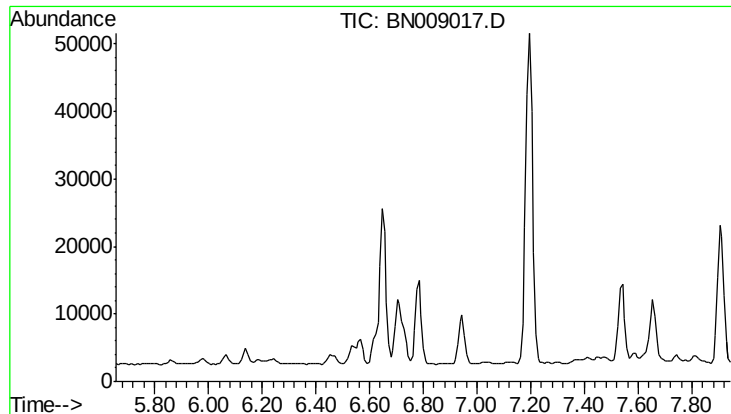
#4

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.20 min

Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Tgt Ion	Exp Ratio
112	100
64	72.1
63	37.0





#5

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.75 min

Lab File: BN009017.D

Acq: 17 Dec 2019 17:34

Tot Ion: 99

Sig Exp Ratio

99 100

42 25.1

71 35.2

Instrument :

BNA_N

ClientSampleId :

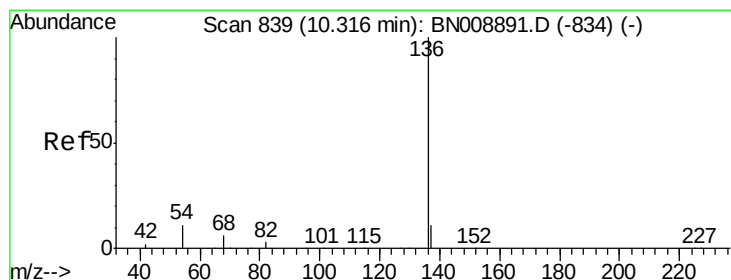
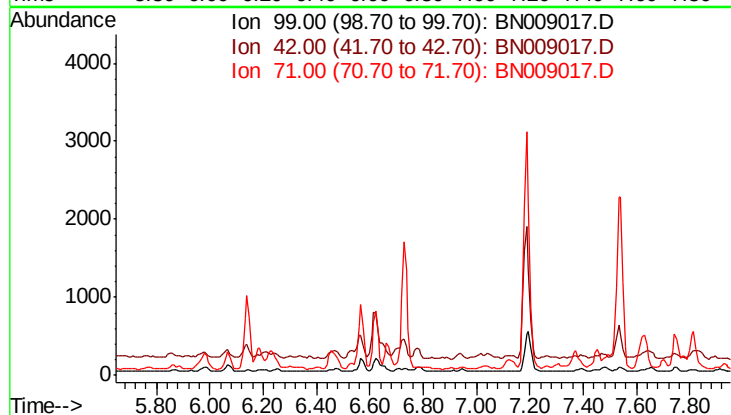
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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.03 min

Lab File: BN009017.D

Acq: 17 Dec 2019 17:34

Tgt Ion:136 Resp: 14202

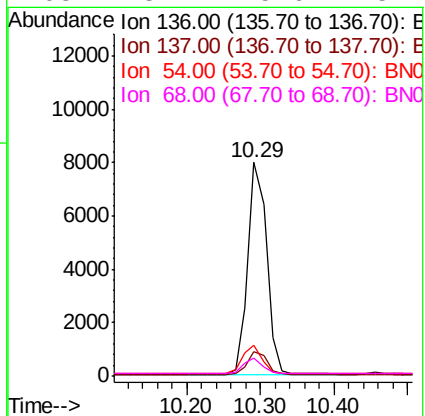
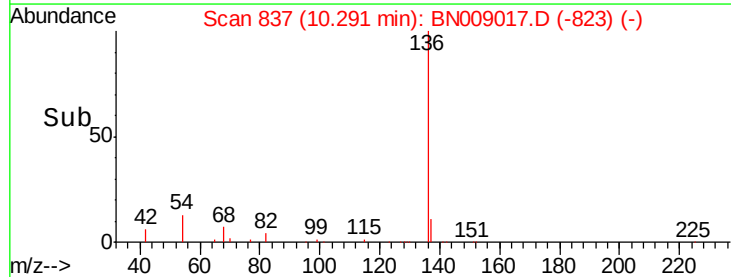
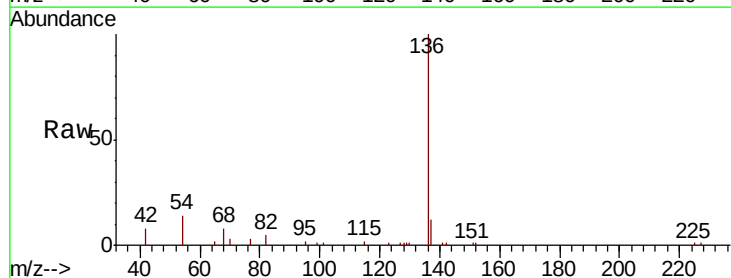
Ion Ratio Lower Upper

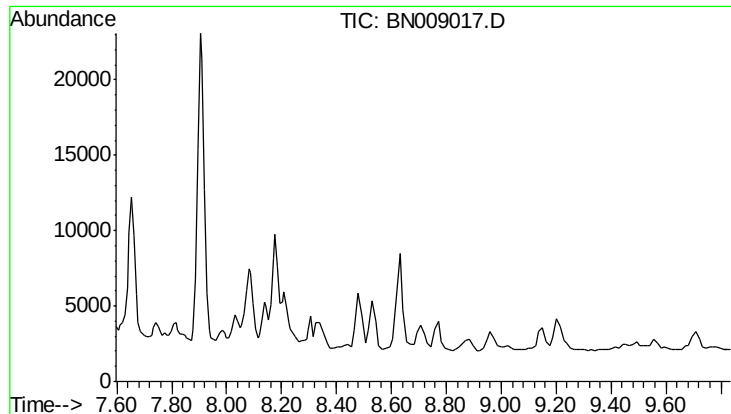
136 100

137 11.5 9.2 13.8

54 14.4 9.6 14.4

68 8.4 5.6 8.4#





#8

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 8.69 min

Lab File: BN009017.D

Acq: 17 Dec 2019 17:34

Tot Ion: 82

Sig Exp Ratio

82 100

128 36.4

54 74.6

Instrument :

BNA_N

ClientSampleId :

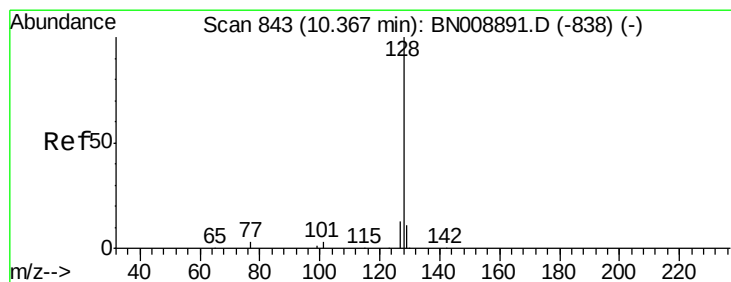
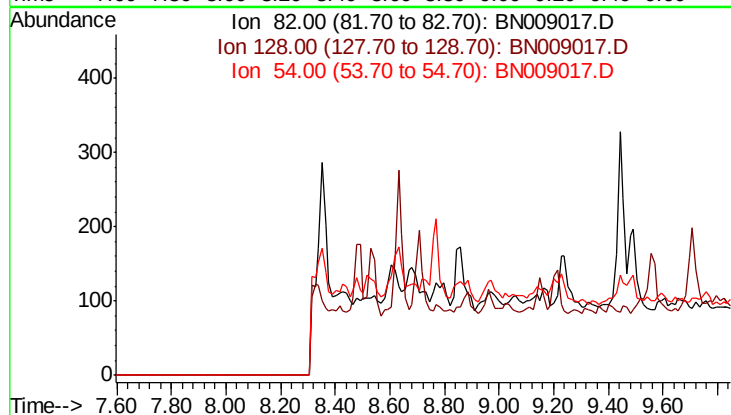
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#9

Naphthalene

Concen: 1.798 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.03 min

Lab File: BN009017.D

Acq: 17 Dec 2019 17:34

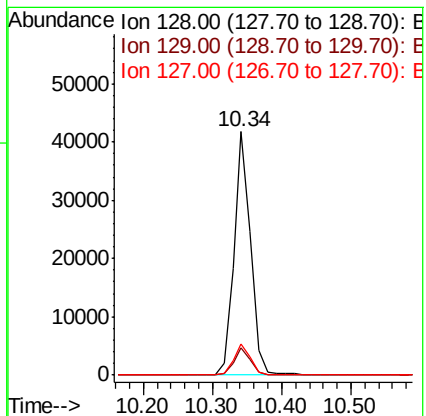
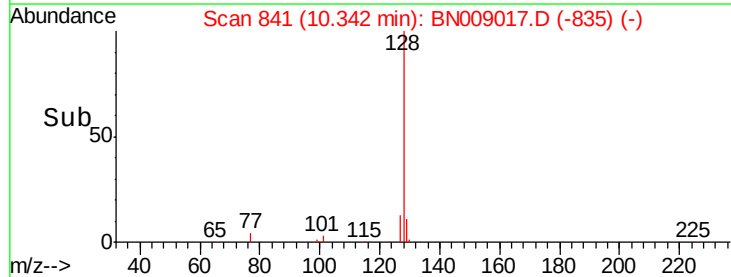
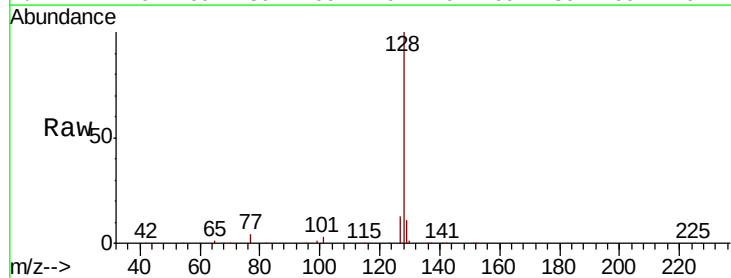
Tgt Ion:128 Resp: 69656

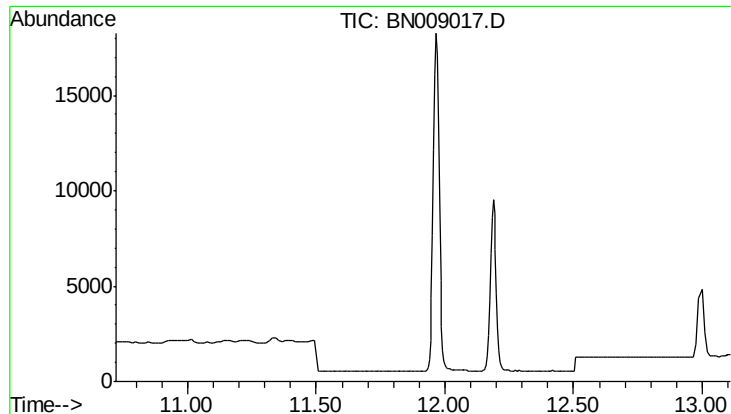
Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.0

127 13.0 10.8 16.2





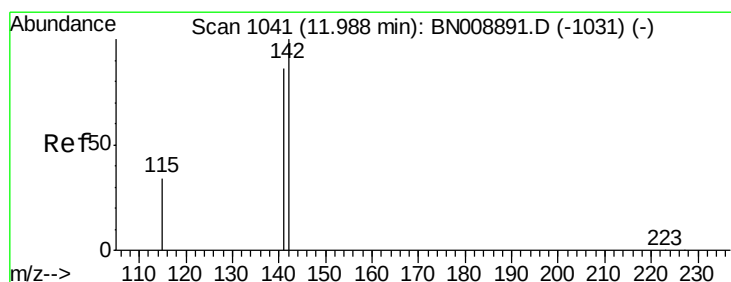
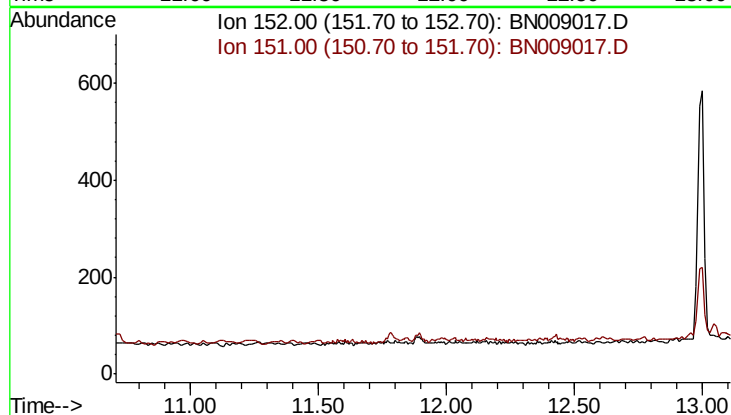
#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 11.91 min
 Lab File: BN009017.D
 Acq: 17 Dec 2019 17:34

Tot Ion: 152
 Sig Exp Ratio
 152 100
 151 19.0

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-SDL2

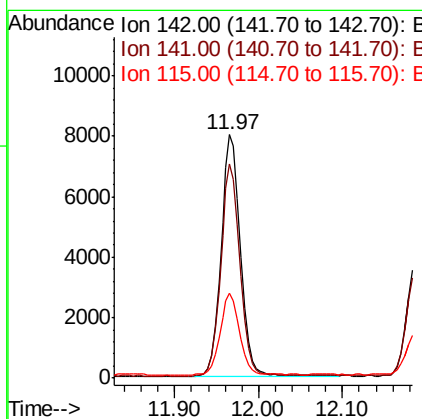
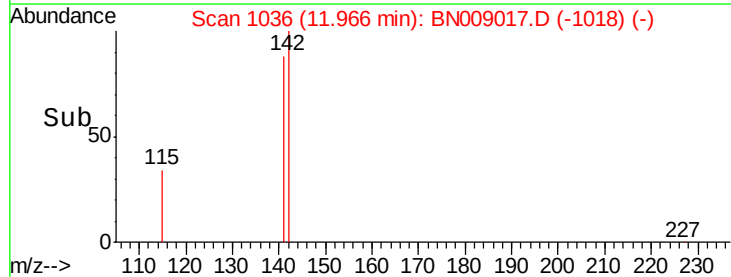
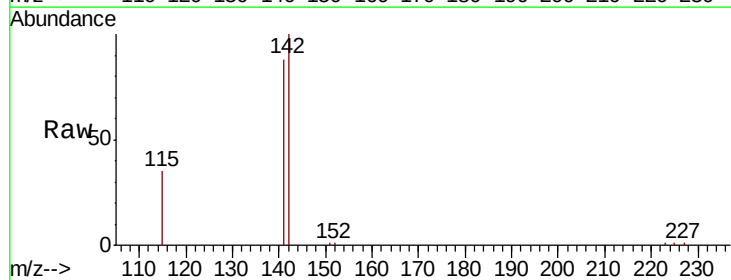
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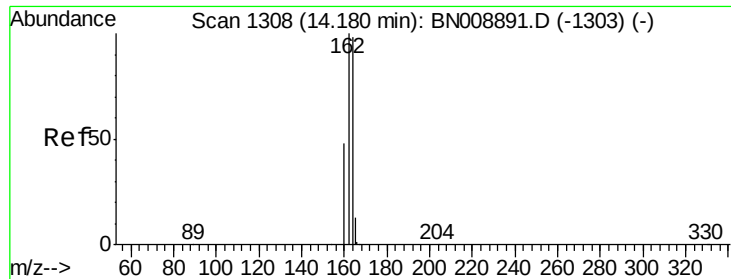
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#12
 2-Methylnaphthalene
 Concen: 0.444 ng
 RT: 11.97 min Scan# 1036
 Delta R.T. -0.02 min
 Lab File: BN009017.D
 Acq: 17 Dec 2019 17:34

Tgt Ion: 142 Resp: 12828
 Ion Ratio Lower Upper
 142 100
 141 88.0 69.3 103.9
 115 35.1 27.9 41.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.17 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BN009017.D

Acq: 17 Dec 2019 17:34

Instrument :

BNA_N

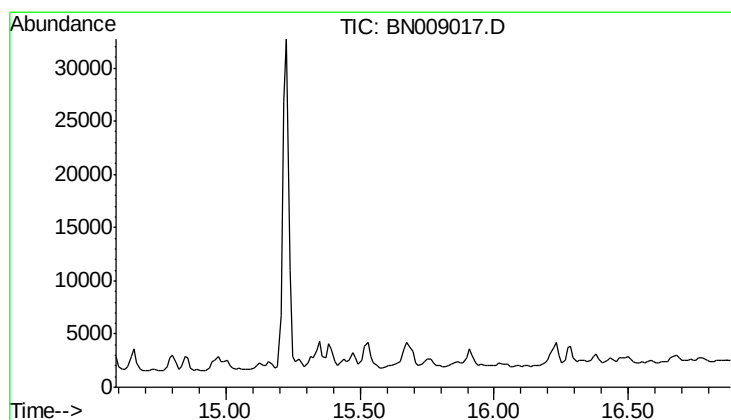
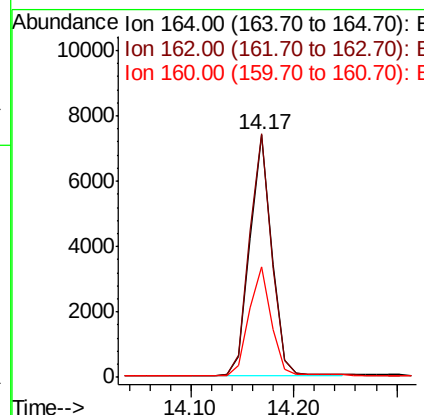
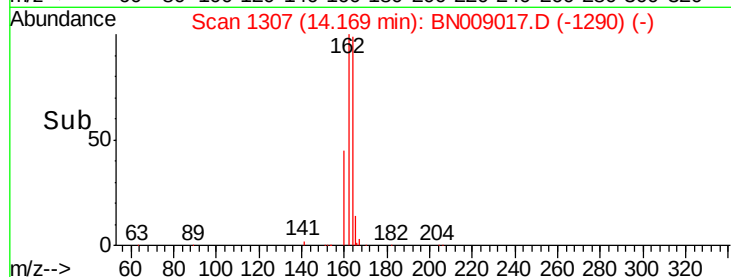
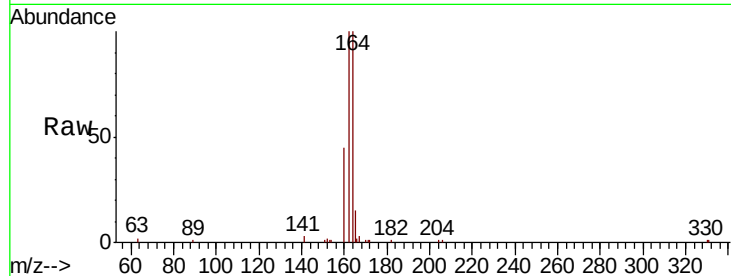
ClientSampleId :

BE-211-COMP-SDL2

Tot Ion:	164	Resp:	10796
Ion Ratio	Lower	Upper	
164	100		
162	100.4	81.9	122.9
160	45.4	39.3	58.9

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#14

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 15.68 min

Lab File: BN009017.D

Acq: 17 Dec 2019 17:34

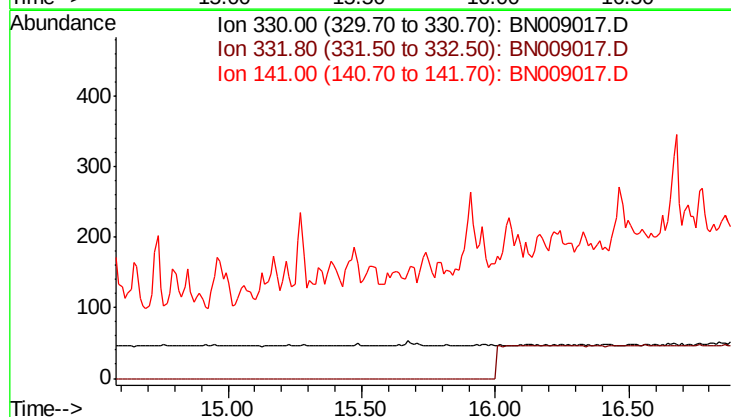
Tgt Ion: 330

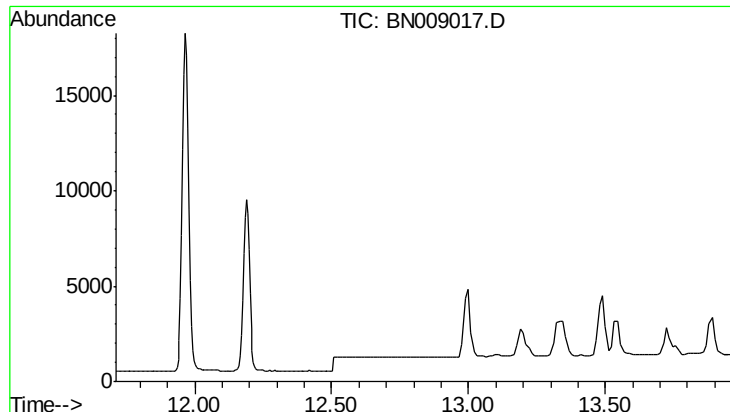
Sig Exp Ratio

330 100

332 0.0

141 37.0





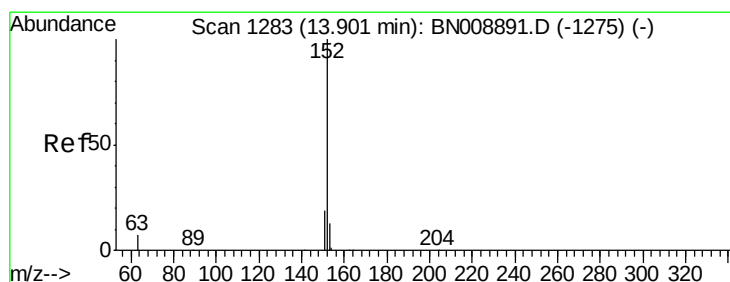
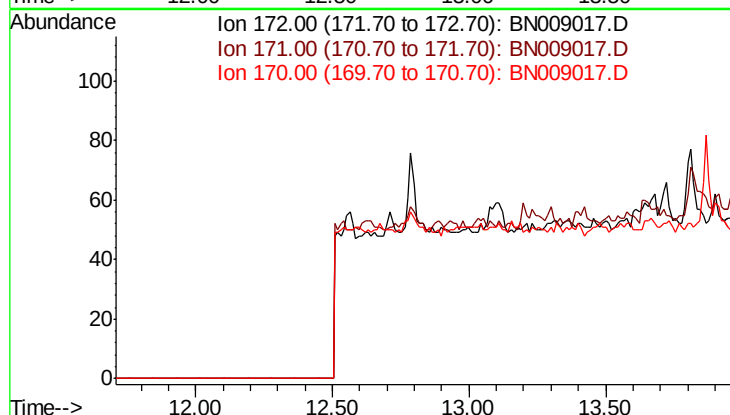
#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.81 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL2

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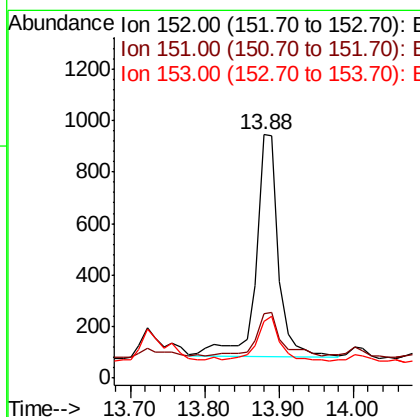
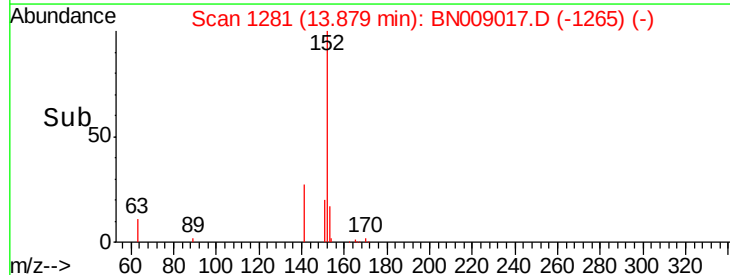
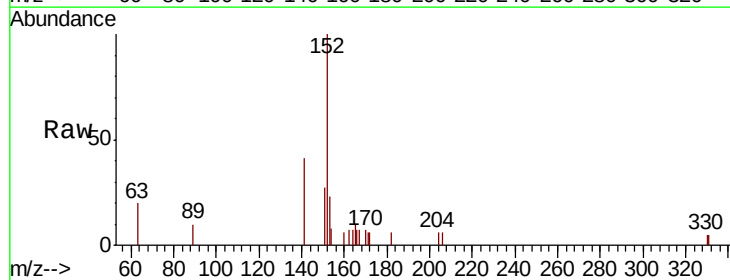
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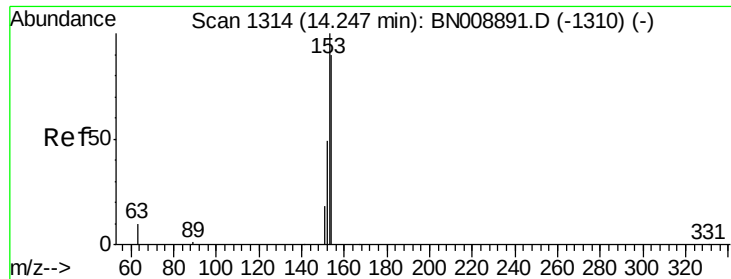
Tot Ion: 172
Sig Exp Ratio
172 100
171 33.9
170 22.1



#16
Acenaphthylene
Concen: 0.038 ng
RT: 13.88 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Tgt Ion: 152 Resp: 1860
Ion Ratio Lower Upper
152 100
151 24.7 15.3 22.9#
153 19.8 10.3 15.5#





#17

Acenaphthene

Concen: 0.427 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN009017.D

Acq: 17 Dec 2019 17:34

Instrument :

BNA_N

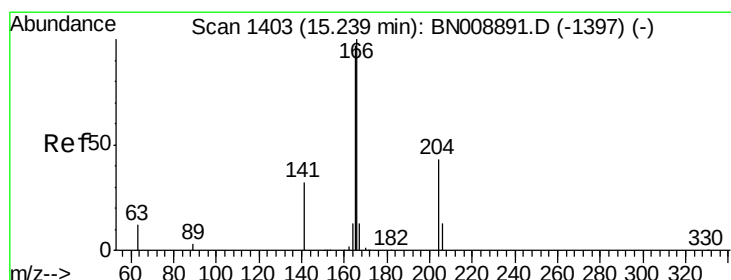
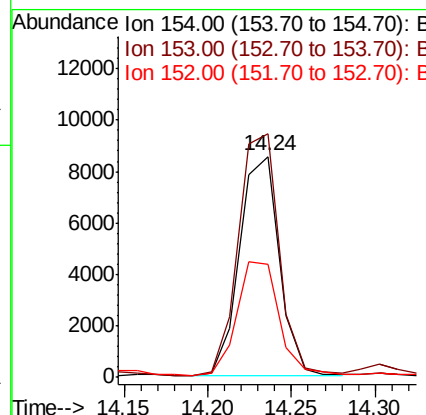
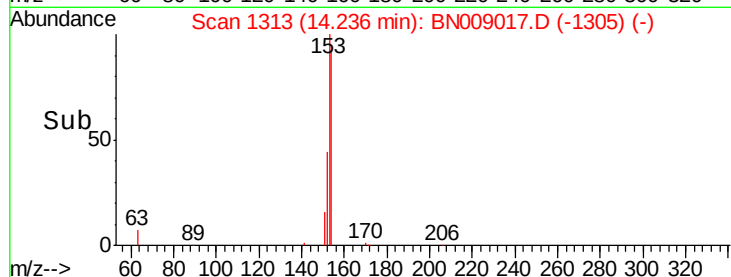
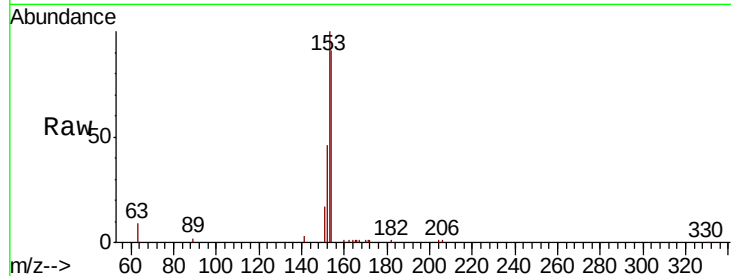
ClientSampleId :

BE-211-COMP-SDL2

Tot Ion:	154	Resp:	14010
Ion Ratio	Lower	Upper	
154	100		
153	113.2	89.2	133.8
152	54.9	44.2	66.4

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#18

Fluorene

Concen: 0.455 ng

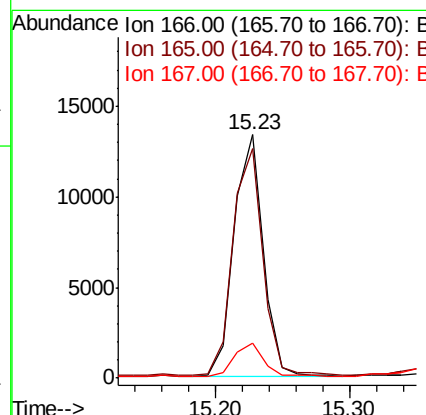
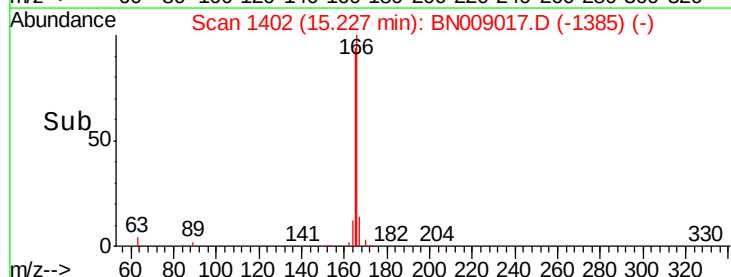
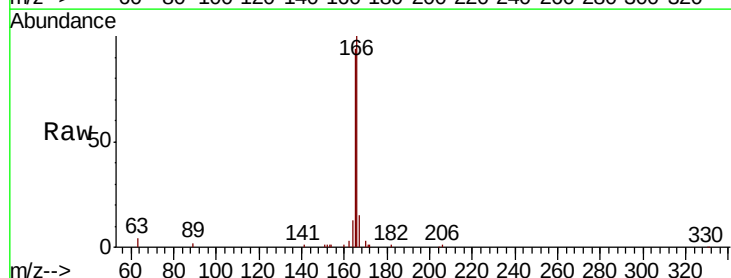
RT: 15.23 min Scan# 1402

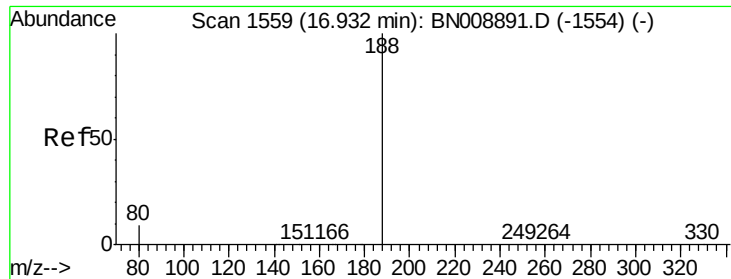
Delta R.T. -0.01 min

Lab File: BN009017.D

Acq: 17 Dec 2019 17:34

Tgt Ion:	166	Resp:	20068
Ion Ratio	Lower	Upper	
166	100		
165	96.8	77.3	115.9
167	14.7	10.8	16.2





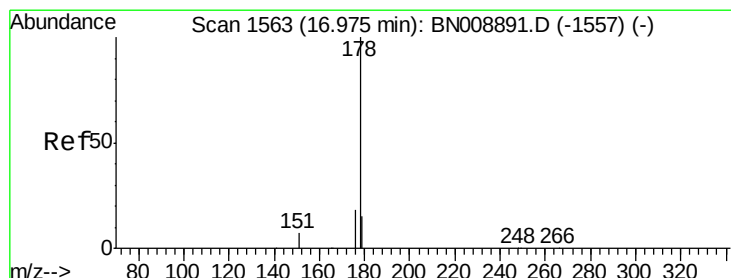
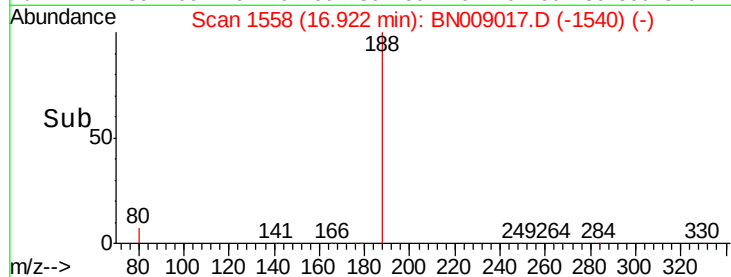
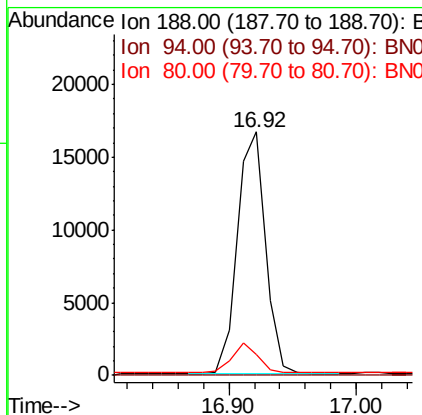
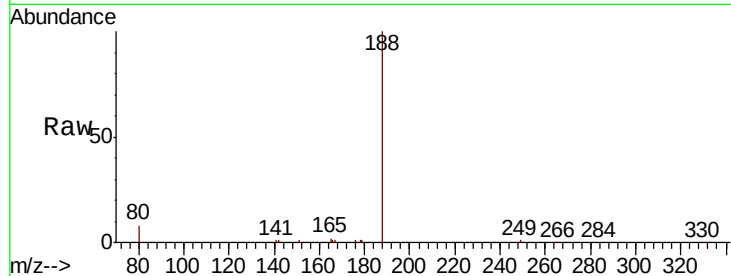
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	25751		
94	0.0	0.0	0.0	0.0
80	8.4	7.3	10.9	

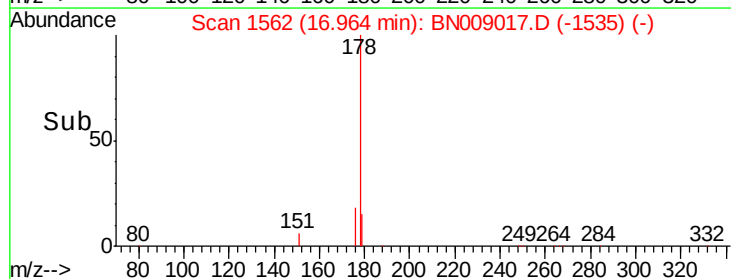
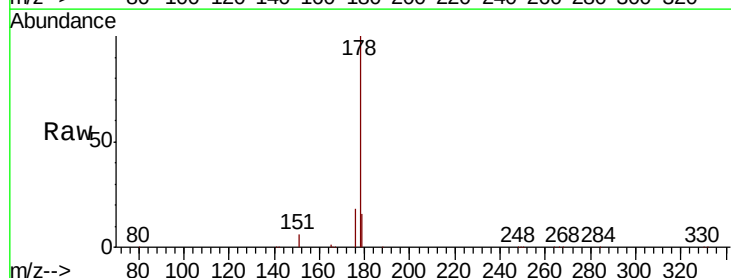
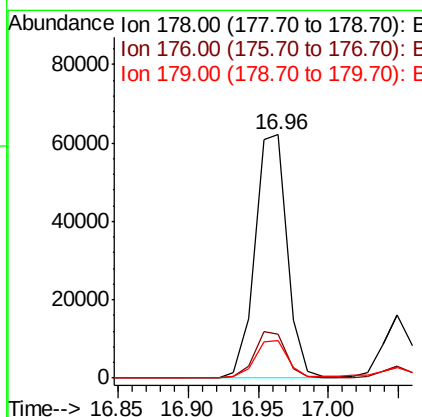
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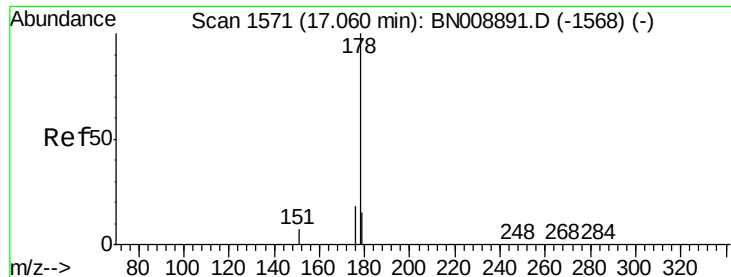
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#23
Phenanthrene
Concen: 1.224 ng
RT: 16.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	99246		
176	18.4	14.9	22.3	
179	15.3	12.3	18.5	





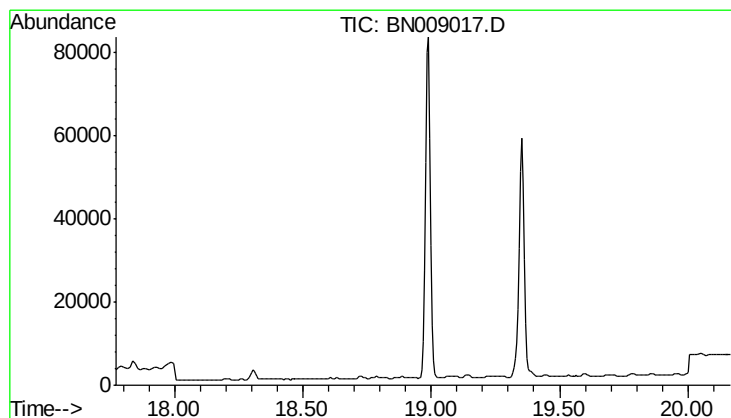
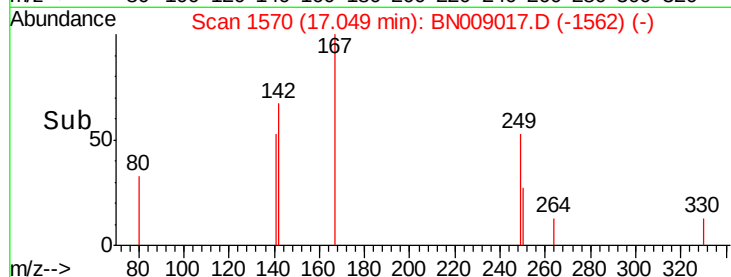
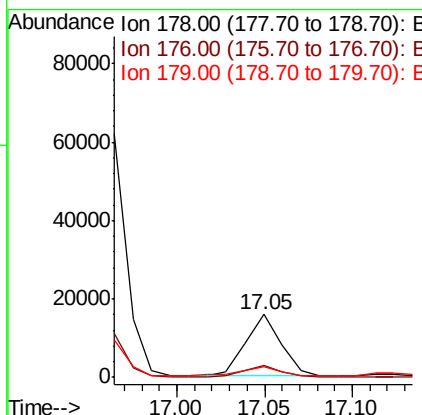
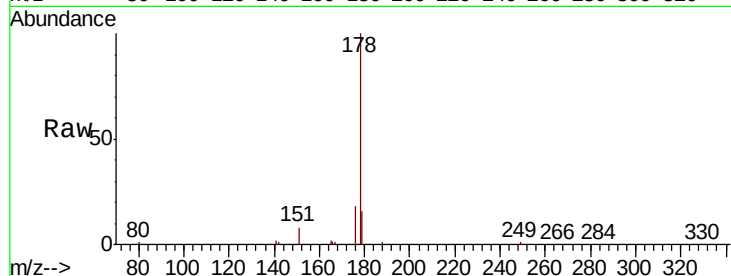
#24
 Anthracene
 Concen: 0.303 ng
 RT: 17.05 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BN009017.D
 Acq: 17 Dec 2019 17:34

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-SDL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	17.5	12.1	18.1

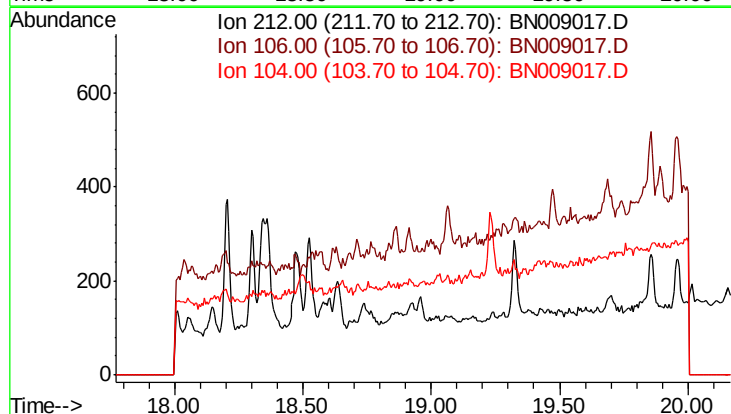
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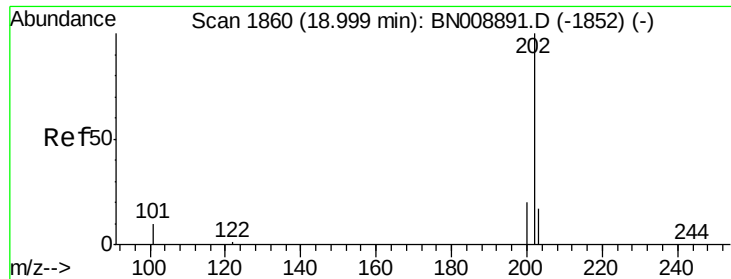
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#25
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 18.97 min
 Lab File: BN009017.D
 Acq: 17 Dec 2019 17:34

Tgt Ion	Exp Ratio
212	100
106	13.0
104	7.4





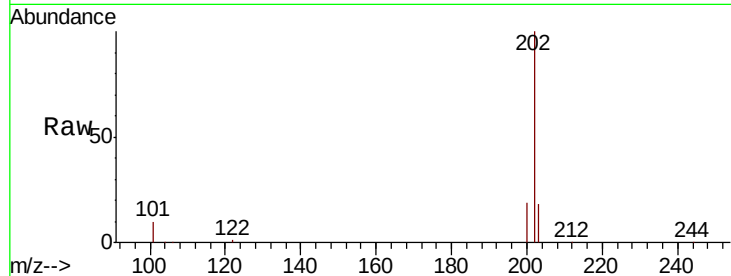
#26
 Fluoranthene
 Concen: 0.746 ng
 RT: 18.99 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: BN009017.D
 Acq: 17 Dec 2019 17:34

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-SDL2

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.8	13.2
203	17.3	13.8	20.6

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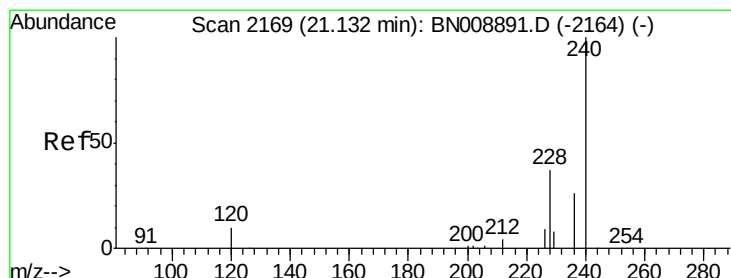
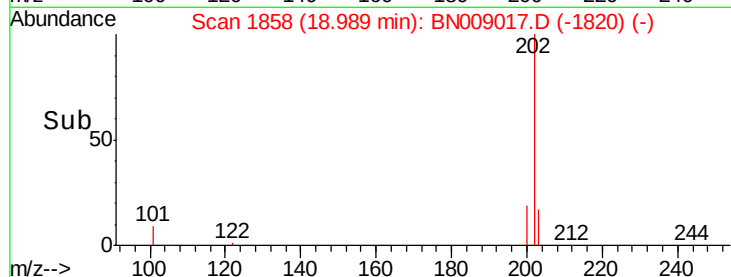
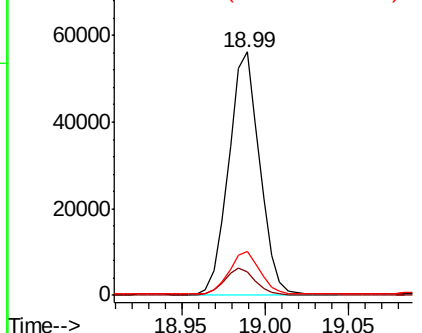


Abundance

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: 21.13 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: BN009017.D
 Acq: 17 Dec 2019 17:34

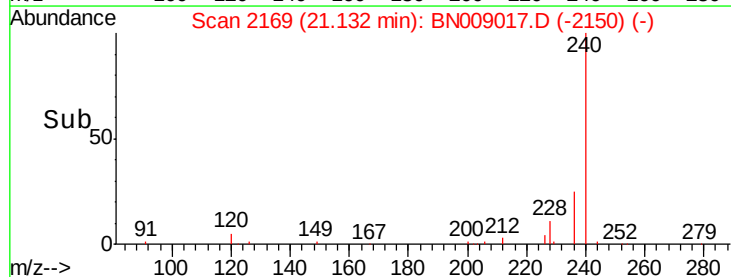
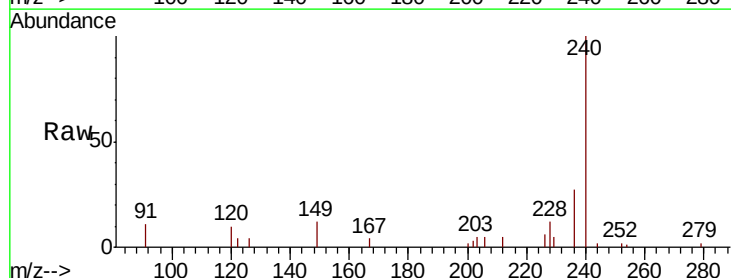
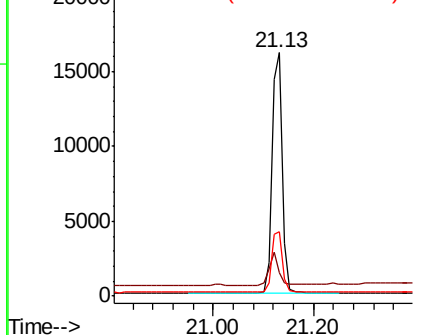
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.1	13.7
236	26.7	21.5	32.3

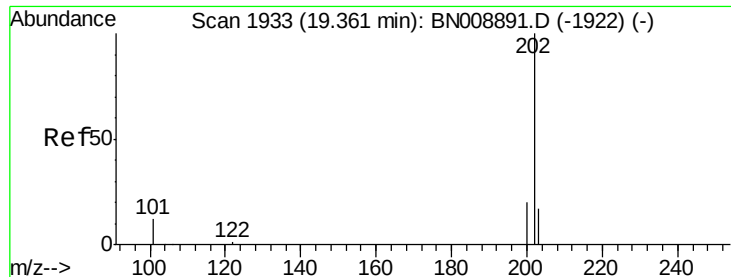
Abundance

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





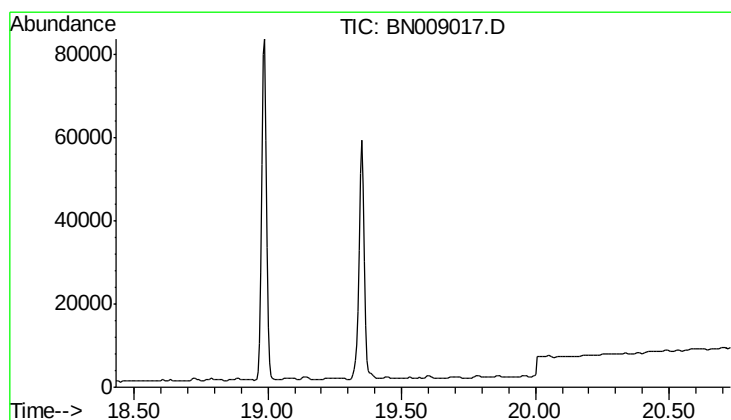
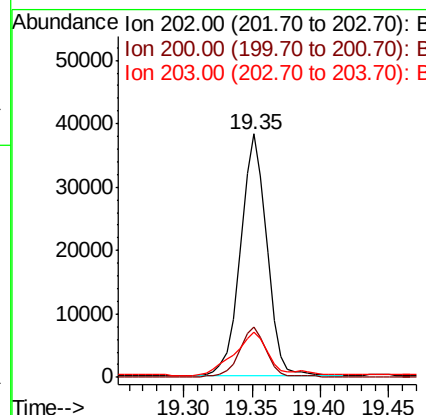
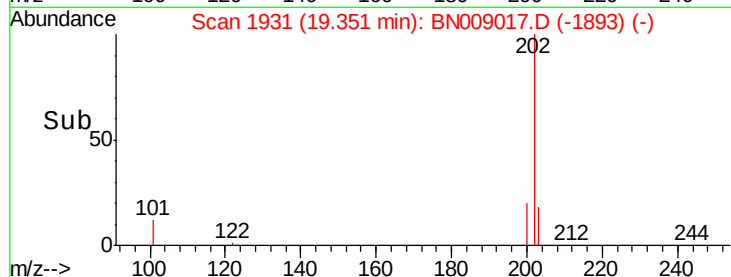
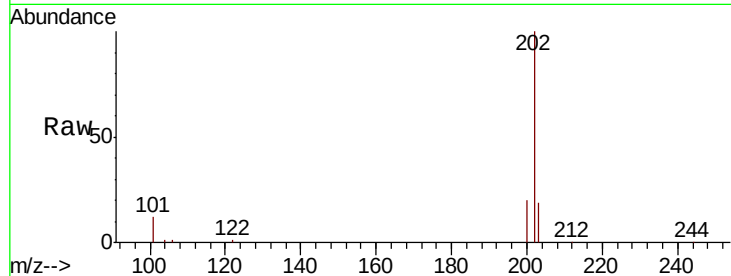
#28
Pvrene
Concen: 0.612 ng
RT: 19.35 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.1	24.1
203	23.6	13.9	20.9

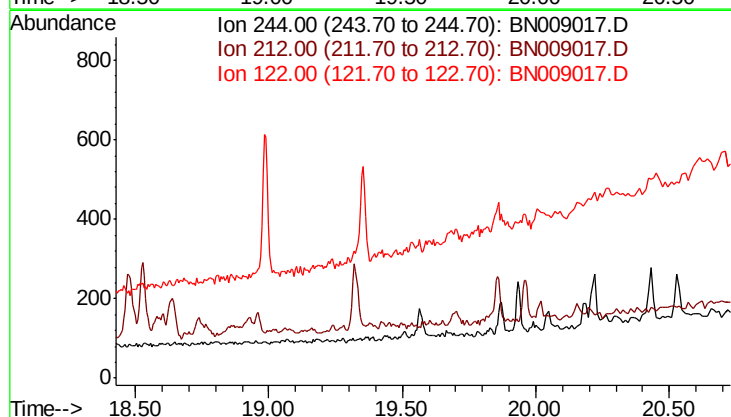
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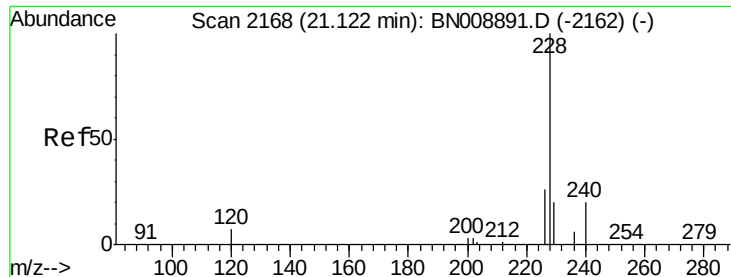
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#29
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.58 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Tgt Ion	Exp Ratio
244	100
212	8.1
122	13.0





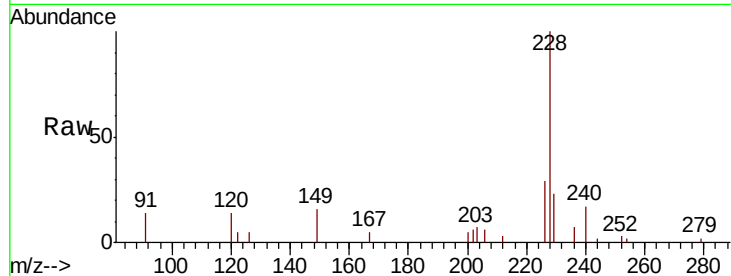
#30
Benzo(a)anthracene
Concen: 0.199 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	20.6	30.8
229	22.9	15.9	23.9

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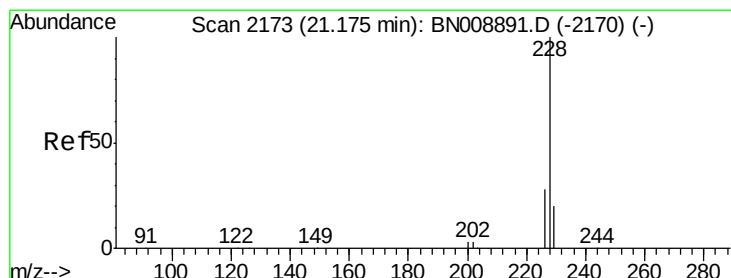
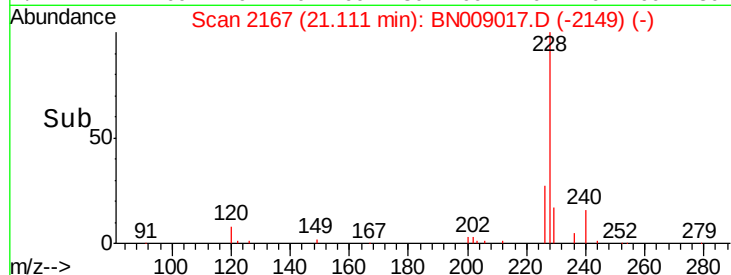
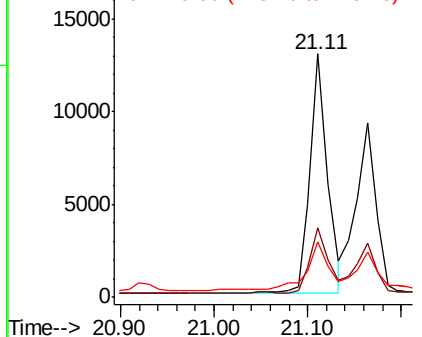


Abundance

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: 0.172 ng m
RT: 21.16 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

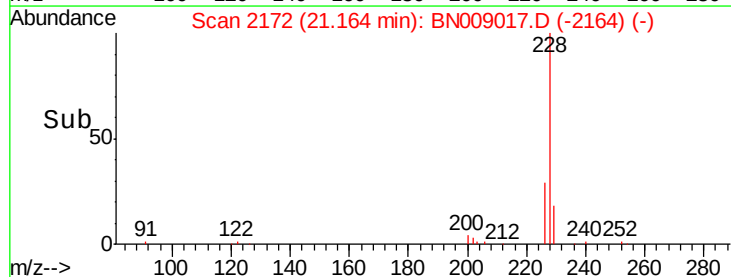
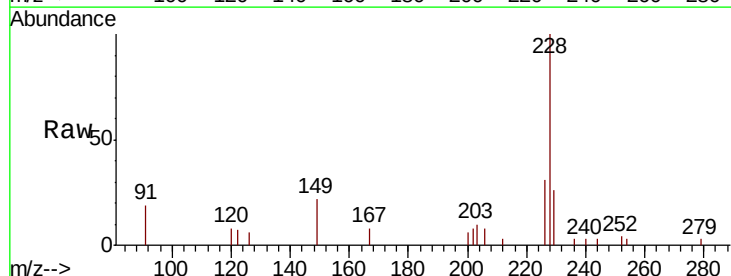
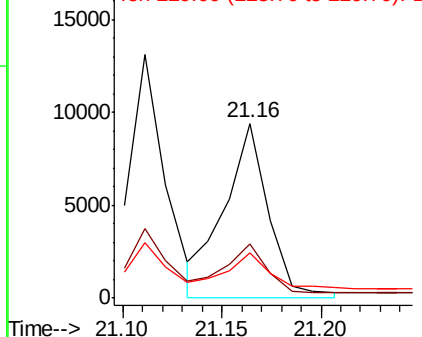
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.2	33.4
229	25.8	15.9	23.9#

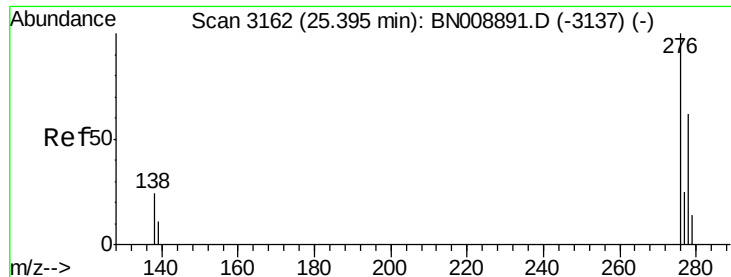
Abundance

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





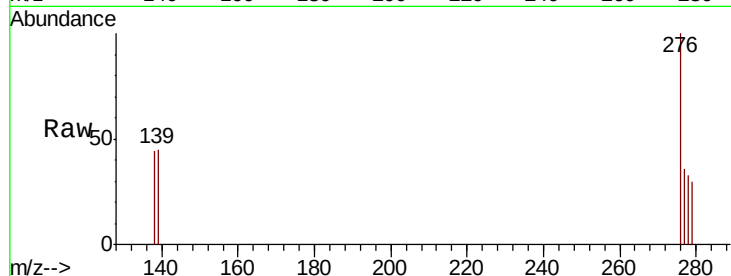
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.035 ng
 RT: 25.39 min Scan# 3160
 Delta R.T. -0.01 min
 Lab File: BN009017.D
 Acq: 17 Dec 2019 17:34

Instrument :
 BNA_N
 ClientSampleId :
 BE-211-COMP-SDL2

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	19.9	29.9
277	24.6	19.8	29.8

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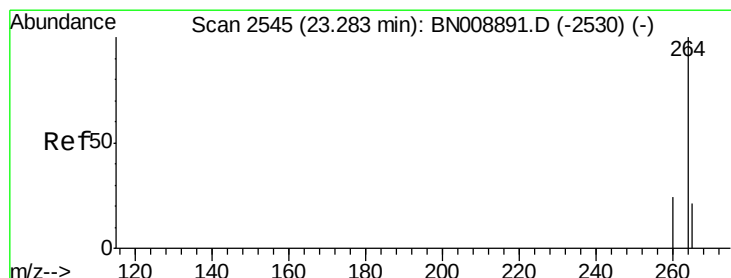
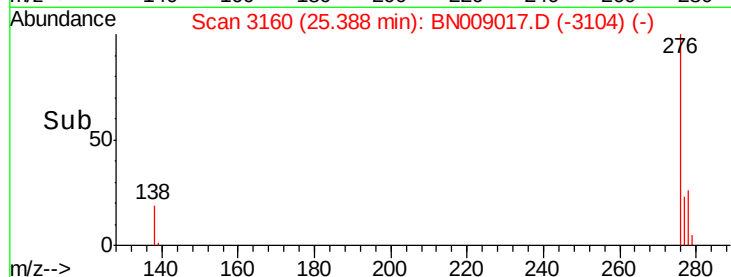
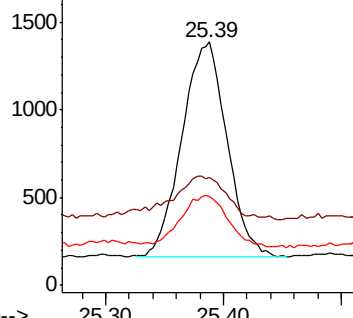


Abundance

Ion 276.00 (275.70 to 276.70): E

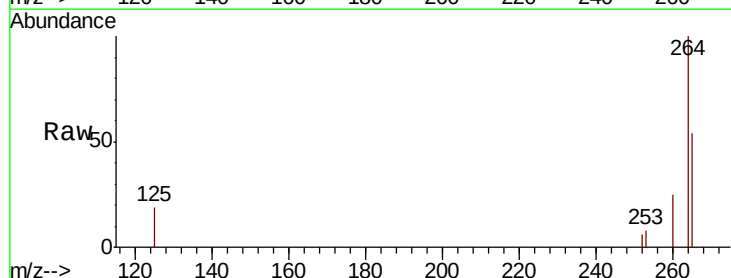
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.28 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BN009017.D
 Acq: 17 Dec 2019 17:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.4	29.0
265	53.7	47.5	71.3

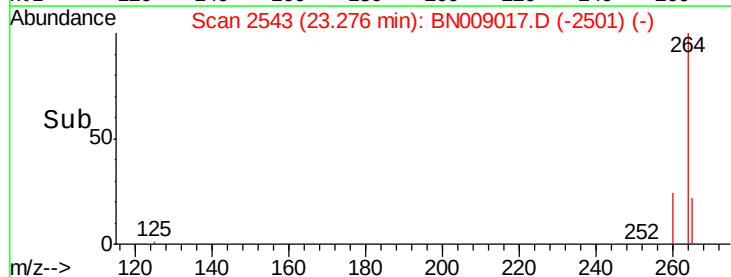
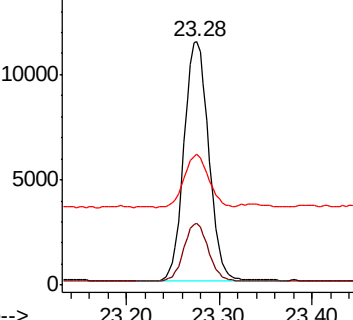


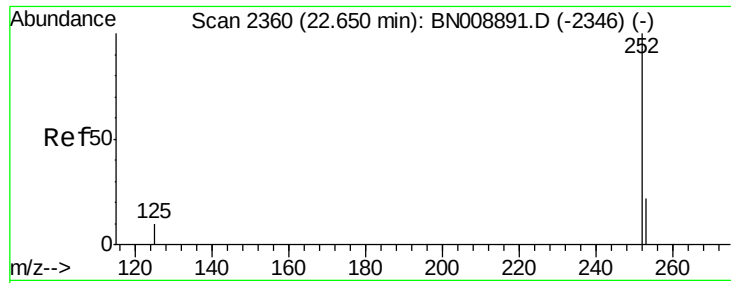
Abundance

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





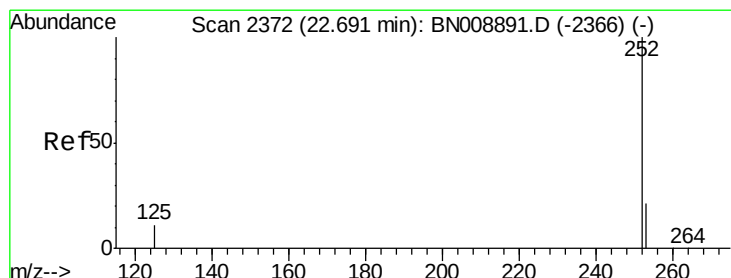
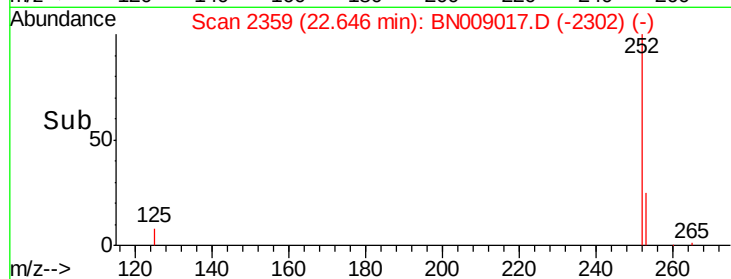
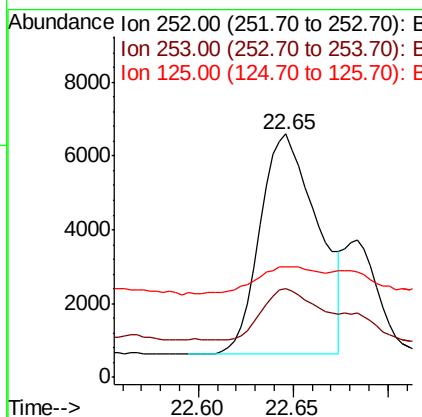
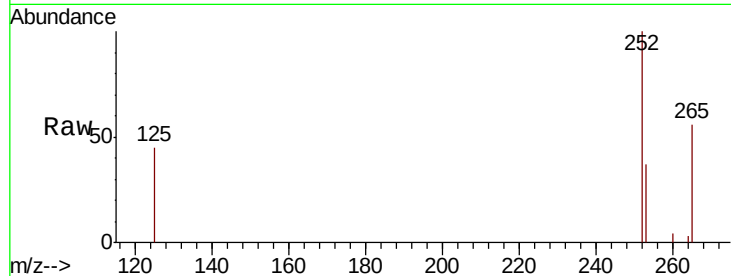
#35
Benzo(b)fluoranthene
Concen: 0.167 ng
RT: 22.65 min Scan# 2359
Delta R.T. -0.00 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.5	19.8	29.6#
125	45.3	10.8	16.2#

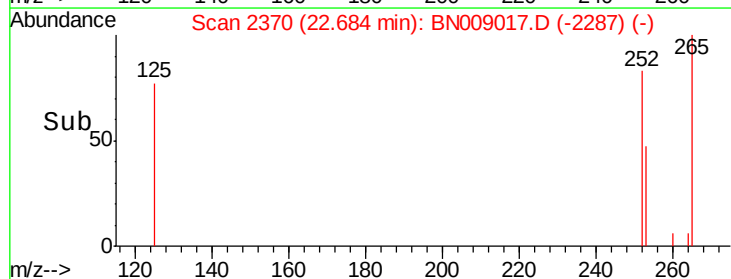
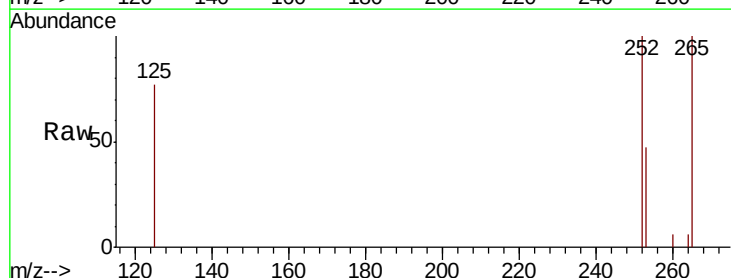
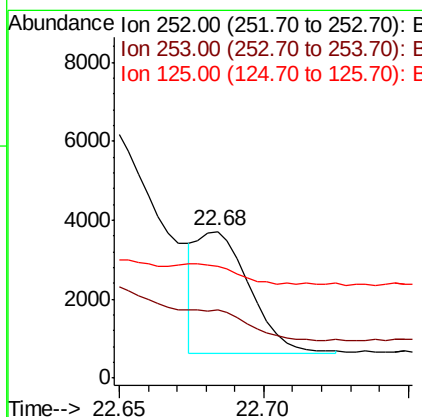
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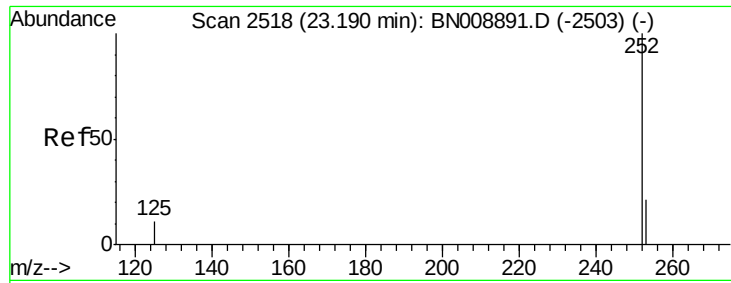
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#36
Benzo(k)fluoranthene
Concen: 0.052 ng m
RT: 22.68 min Scan# 2370
Delta R.T. -0.01 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.7	19.2	28.8#
125	76.7	11.6	17.4#





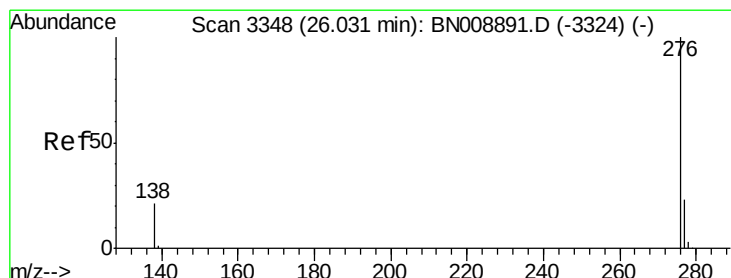
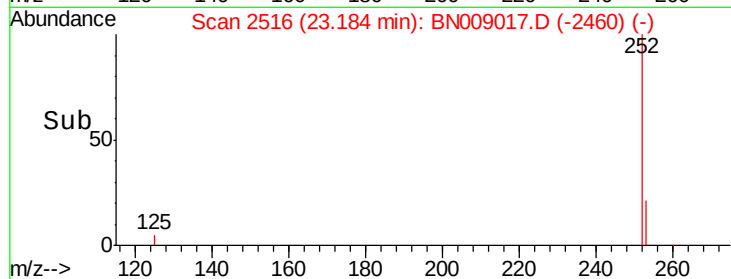
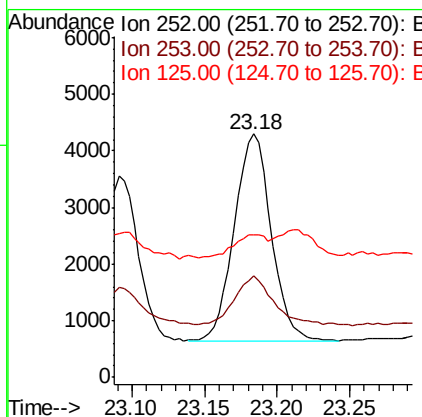
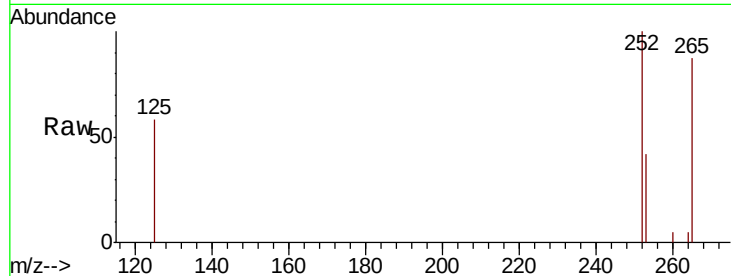
#37
Benzo(a)pyrene
Concen: 0.095 ng
RT: 23.18 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Instrument :
BNA_N
ClientSampleId :
BE-211-COMP-SDL2

Tot Ion:	252	Resp:	6461
Ion Ratio	Lower	Upper	
252	100		
253	41.6	19.9	29.9#
125	58.5	12.3	18.5#

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#39
Benzo(g,h,i)perylene
Concen: 0.044 ng
RT: 26.02 min Scan# 3345
Delta R.T. -0.01 min
Lab File: BN009017.D
Acq: 17 Dec 2019 17:34

Tgt Ion:	276	Resp:	2781
Ion Ratio	Lower	Upper	
276	100		
277	38.9	19.4	29.2#
138	51.0	17.8	26.6#

