

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
 Data File : BN005609.D
 Acq On : 11 May 2019 03:45
 Operator : JU/SJ
 Sample : K2604-01 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ75

Manual Integrations
 APPROVED

mohammad
 5/13/2019 8:26:52 AM

Quant Time: May 11 06:39:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	83482	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	321824	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	190688	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	334080	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	276464	20.00	ng/ul	-0.01
85) Perylene-d12	23.40	264	325112	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	330	0.19	ng/uL	0.00
5) Phenol-d5	6.78	99	8904	1.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	8362m	2.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	7908	1.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	7631	1.49	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	5737	2.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	4112	2.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	7975	1.73	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.63	166	31502	2.28	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	30485	1.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	1911m	0.87	ng/ul	0.00
57) Fluorene-d10	15.22	176	24682	2.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	792	0.53	ng/ul	0.01
70) Anthracene-d10	17.07	188	29905	2.14	ng/ul	0.00
78) Pyrene-d10	19.39	212	29695	2.10	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	26550	1.87	ng/ul	-0.01

Target Compounds

					Ovalue
6) Phenol	6.80	94	10132	1.502	ng/ul 90
11) 2-Methylphenol	8.03	108	22699	4.492	ng/ul 81
16) 4-Methylphenol	8.35	108	16491	3.022	ng/ul 96
24) 2,4-Dimethylphenol	9.56	107	57924m	10.166	ng/ul
28) Naphthalene	10.40	128	14831317	991.327	ng/ul 98
34) 2-Methylnaphthalene	12.02	142	5983520	546.207	ng/ul 99
40) 1,1'-Biphenyl	13.04	154	907648	63.883	ng/ul 98
47) Acenaphthylene	13.94	152	3537201	211.706	ng/ul 97
49) Acenaphthene	14.28	153	521692	45.737	ng/ul 97
53) Dibenzofuran	14.62	168	1336799	81.400	ng/ul 99
58) Fluorene	15.27	166	2957675	230.801	ng/ul 98
69) Phenanthrene	17.03	178	11873275	729.754	ng/ul 97
71) Anthracene	17.11	178	3298152	198.991	ng/ul 99
74) Carbazole	17.38	167	313008	21.984	ng/ul 99
76) Fluoranthene	19.05	202	5838089	323.498	ng/ul 96
82) Benzo(a)anthracene	21.19	228	2604113	151.412	ng/ul 93
84) Chrysene	21.24	228	2210476	138.482	ng/ul 97
87) Benzo(b)fluoranthene	22.76	252	1928880	105.545	ng/ul# 97
88) Benzo(k)fluoranthene	22.79	252	605023m	34.664	ng/ul
90) Benzo(a)pyrene	23.32	252	1898890m	110.542	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.59	276	836407	44.039	ng/ul# 93
92) Dibenzo(a,h)anthracene	25.59	278	244919	15.195	ng/ul# 79
93) Benzo(g,h,i)perylene	26.26	276	776212	49.428	ng/ul# 93

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Misc :
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Instrument :
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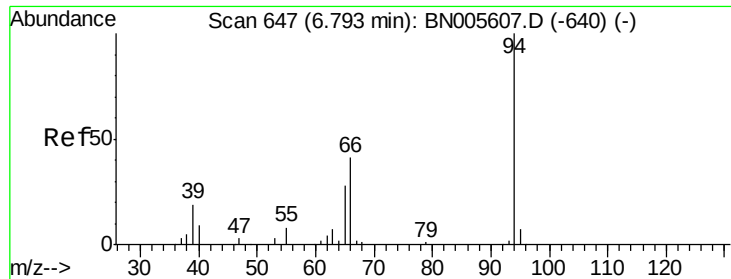
Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

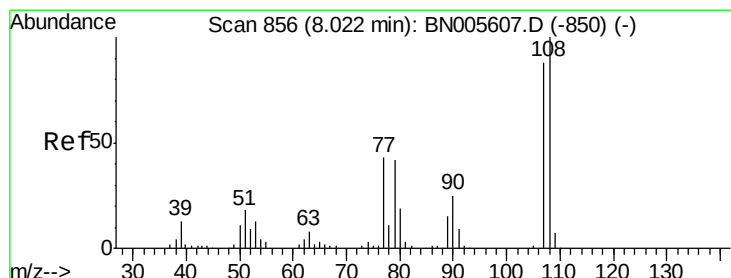
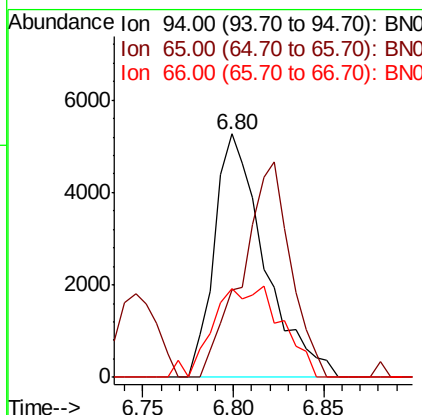
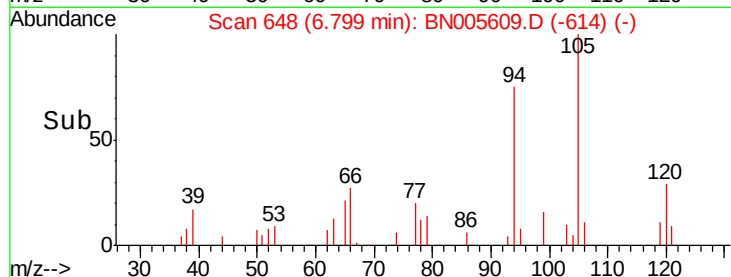
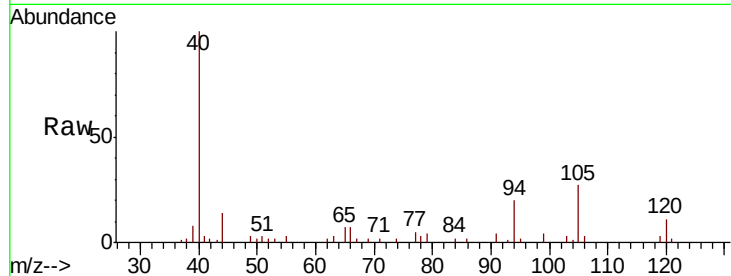
Concen: 1.502 ng/ul
RT: 6.80 min Scan# 648
Delta R.T. 0.00 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Instrument :
BNA_N
ClientSampled :
GAJ75

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	36.0	24.2	36.4		
66	36.6	33.8	50.6		

Manual Integrations
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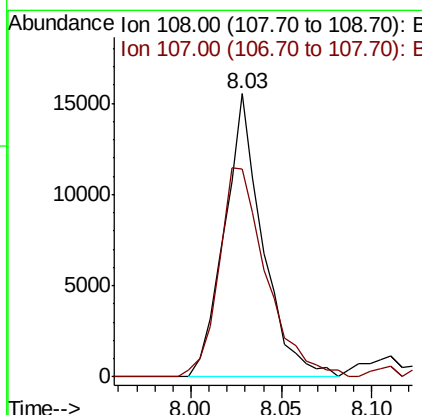
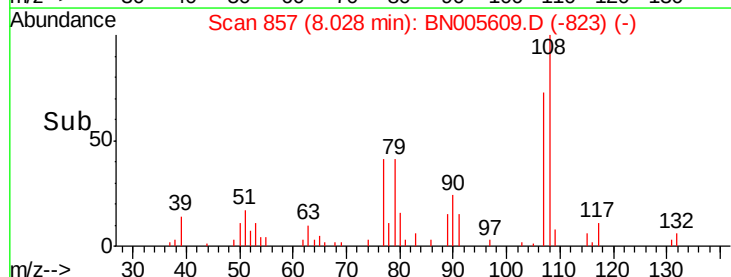
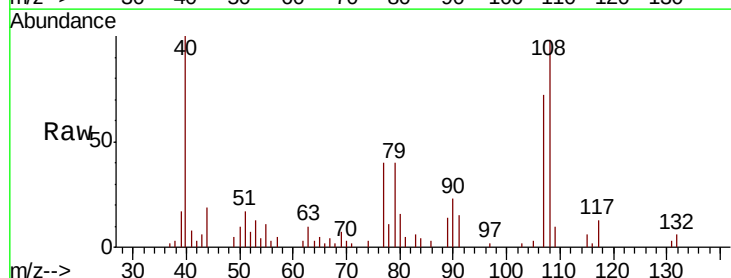


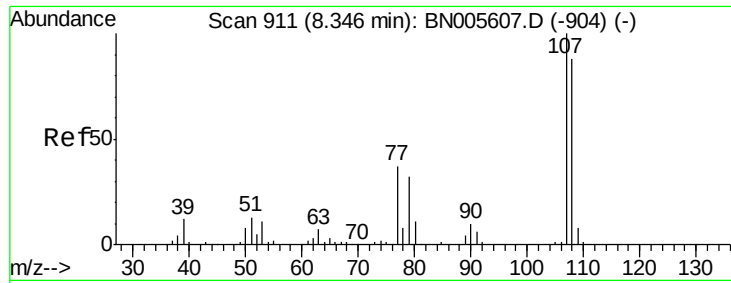
#11

2-Methylphenol

Concen: 4.492 ng/ul
RT: 8.03 min Scan# 857
Delta R.T. 0.00 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
108	100				
107	73.3	72.9	109.3		





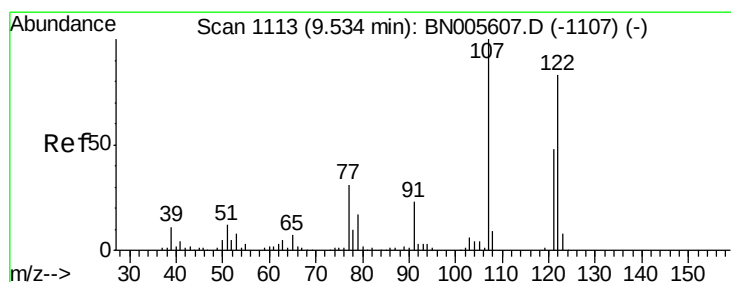
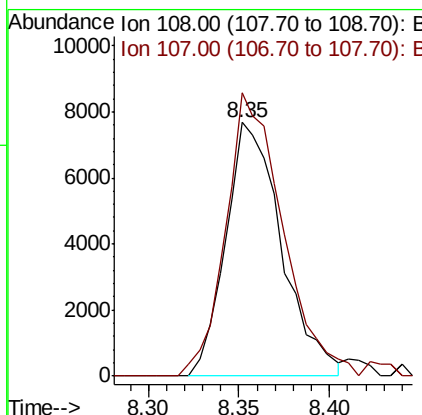
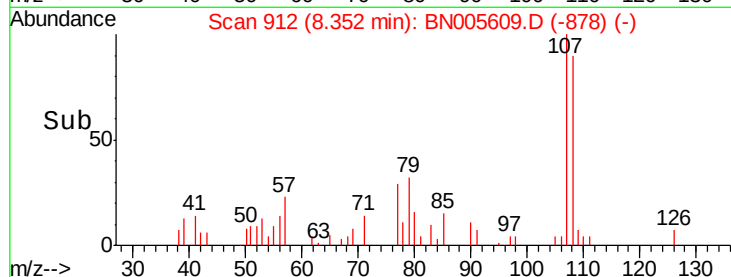
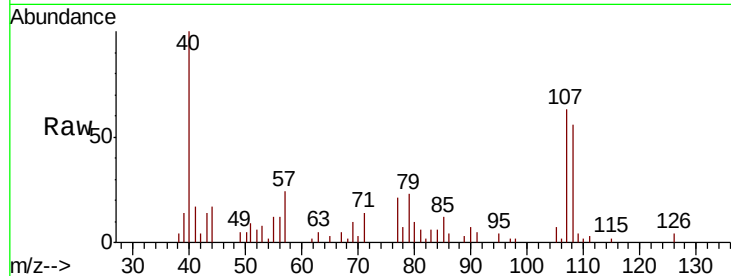
#16
4-Methylphenol
Concen: 3.022 ng/ul
RT: 8.35 min Scan# 912
Delta R.T. 0.00 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Instrument :
BNA_N
ClientSampled :
GAJ75

Tot Ion:108 Resp: 16491
Ion Ratio Lower Upper
108 100
107 111.6 86.1 129.1

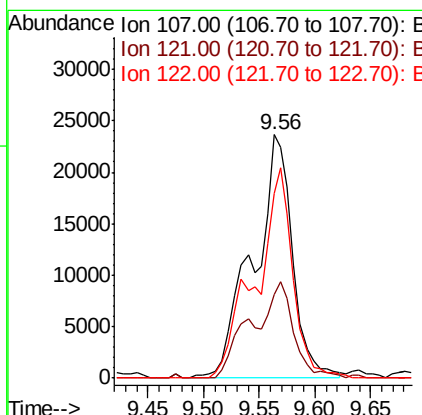
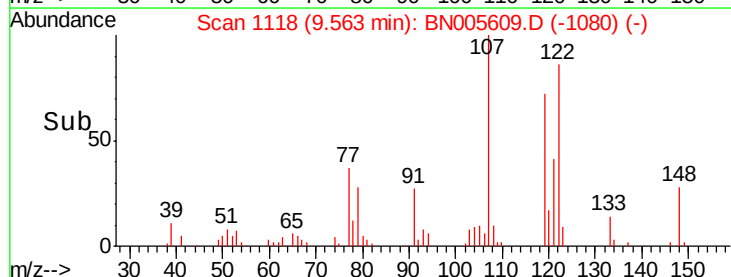
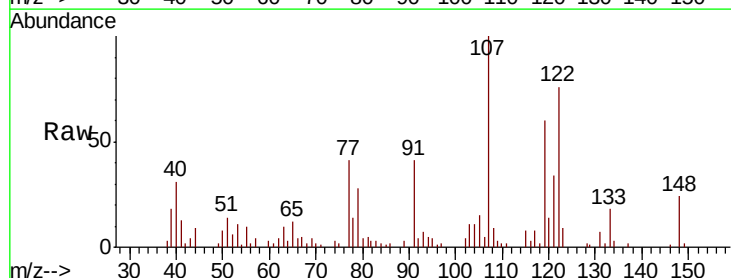
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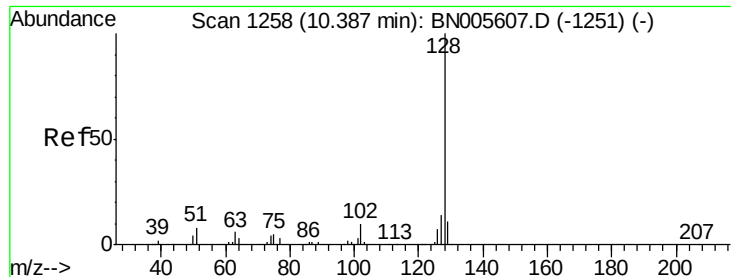
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#24
2,4-Dimethylphenol
Concen: 10.166 ng/ul m
RT: 9.56 min Scan# 1118
Delta R.T. 0.02 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Tgt Ion:107 Resp: 57924
Ion Ratio Lower Upper
107 100
121 34.5 37.8 56.8#
122 76.0 65.0 97.4





#28

Naphthalene

Concen: 991.327 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BN005609.D

Acq: 11 May 2019 03:45

Instrument :

BNA_N

ClientSampled :

GAJ75

Tot Ion:128 Resp:14831317

Ion Ratio Lower Upper

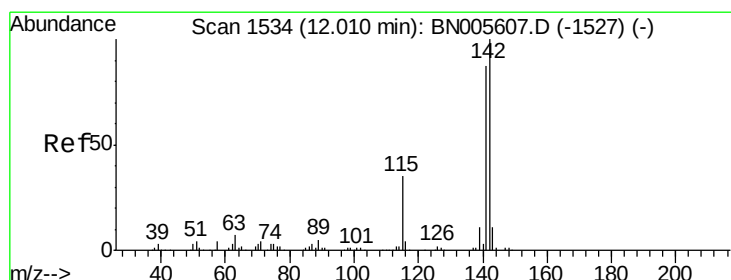
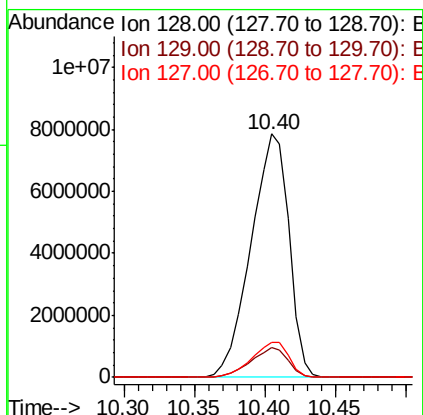
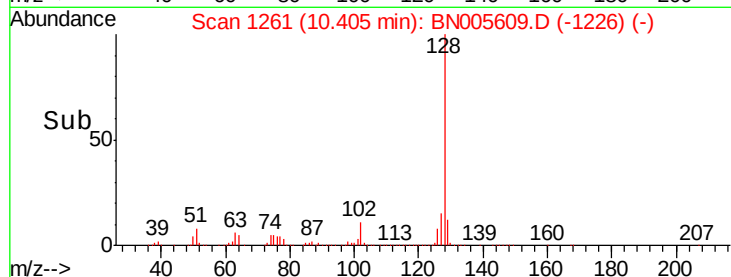
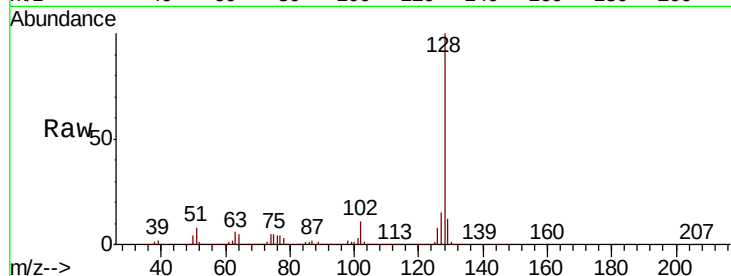
128 100

129 12.1 9.2 13.8

127 14.6 10.7 16.1

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#34

2-Methylnaphthalene

Concen: 546.207 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BN005609.D

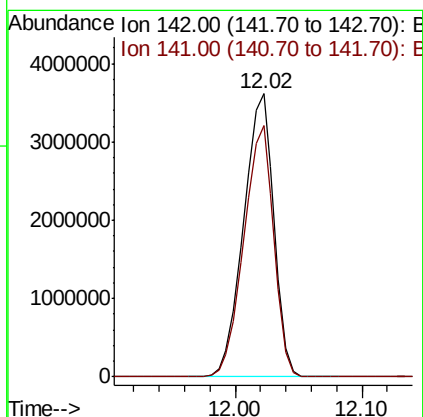
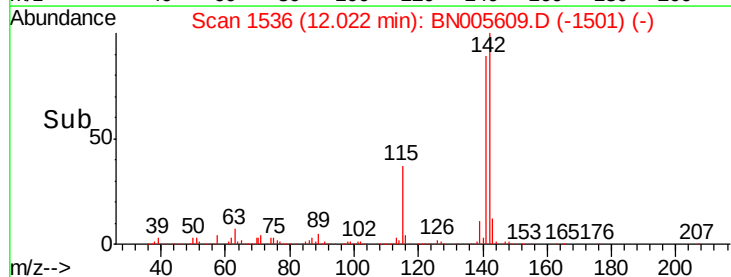
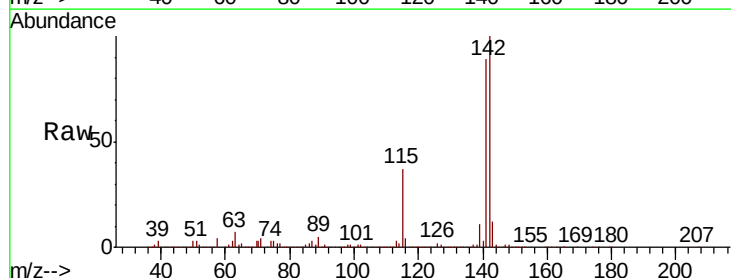
Acq: 11 May 2019 03:45

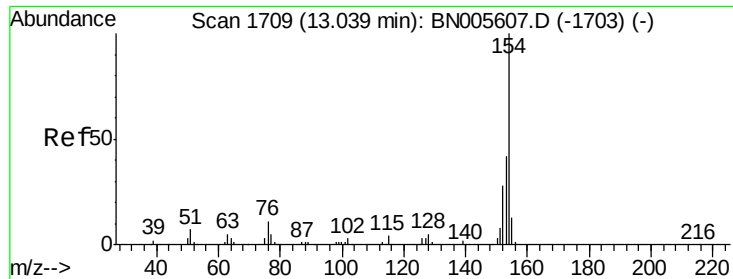
Tgt Ion:142 Resp: 5983520

Ion Ratio Lower Upper

142 100

141 88.9 72.0 108.0





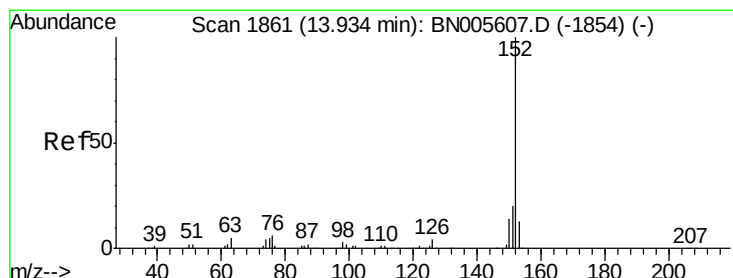
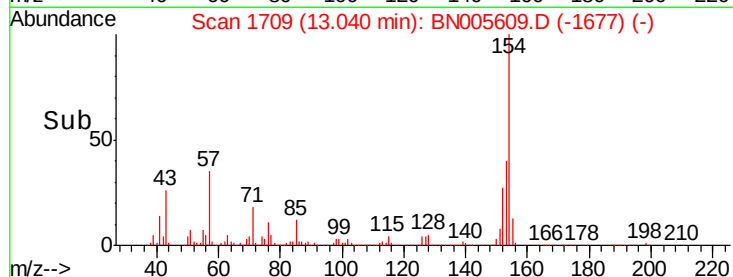
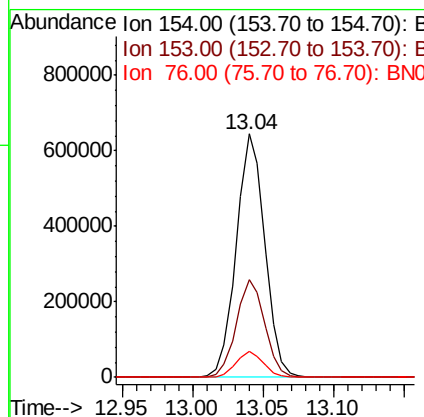
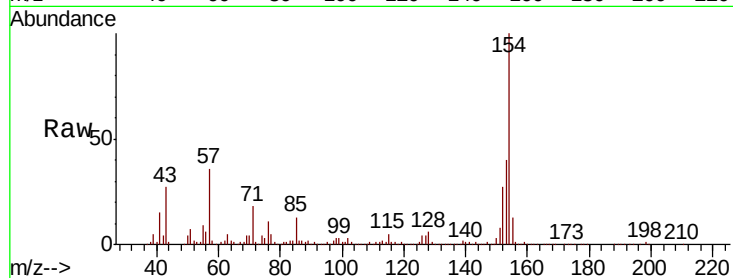
#40
 1,1'-Biphenyl
 Concen: 63.883 ng/ul
 RT: 13.04 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BN005609.D
 Acq: 11 May 2019 03:45

Instrument :
 BNA_N
 ClientSampleId :
 GAJ75

Tot Ion:	154	Resp:	907648
Ion Ratio		Lower	Upper
154	100		
153	40.1	32.6	49.0
76	10.8	10.4	15.6

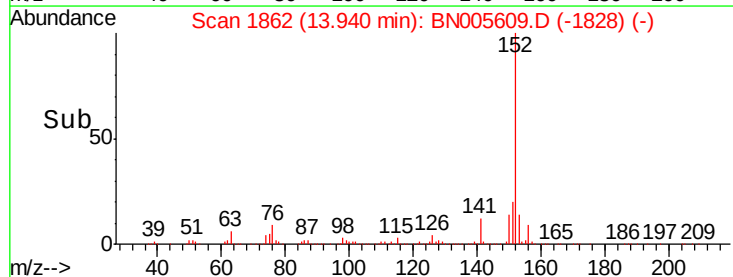
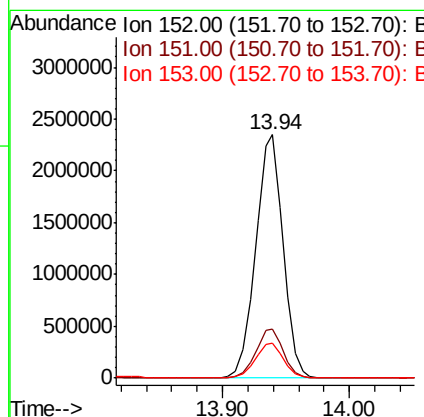
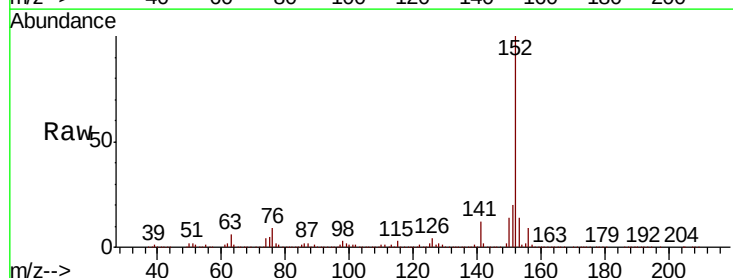
Manual Integrations
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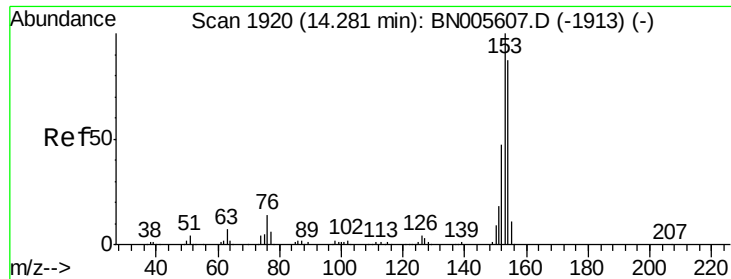
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#47
 Acenaphthylene
 Concen: 211.706 ng/ul
 RT: 13.94 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: BN005609.D
 Acq: 11 May 2019 03:45

Tgt Ion:	152	Resp:	3537201
Ion Ratio		Lower	Upper
152	100		
151	20.4	15.8	23.8
153	14.5	9.8	14.8





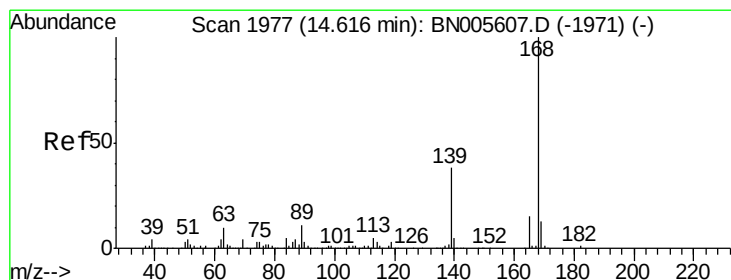
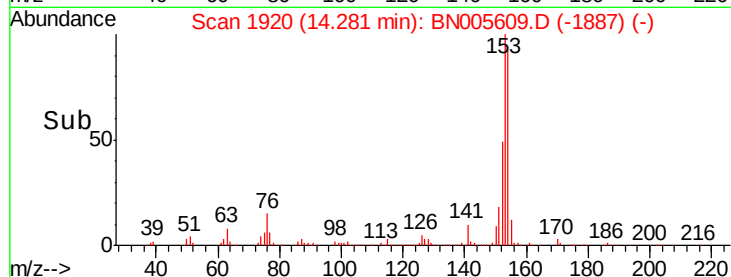
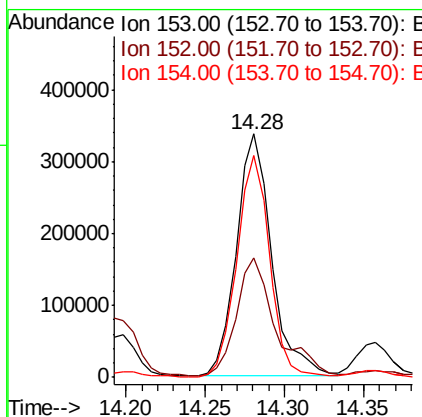
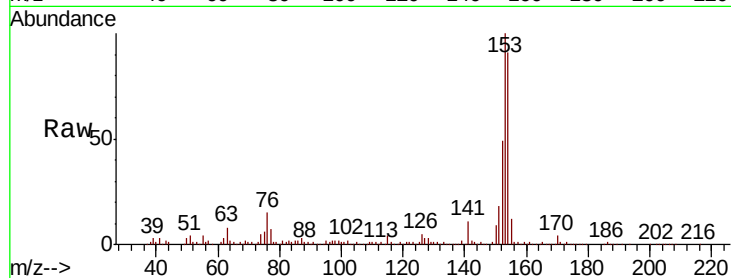
#49
Acenaphthene
Concen: 45.737 ng/ul
RT: 14.28 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Instrument :
BNA_N
ClientSampleId :
GAJ75

Tot Ion	Ratio	Lower	Upper
153	100		
152	49.3	37.4	56.0
154	91.0	71.2	106.8

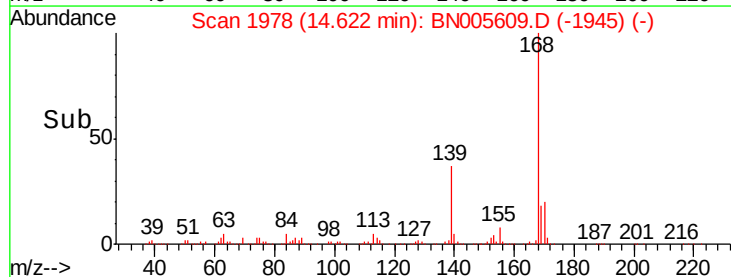
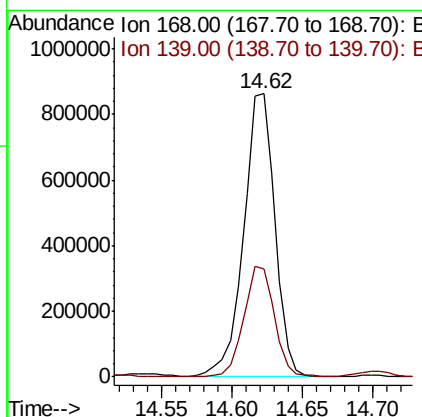
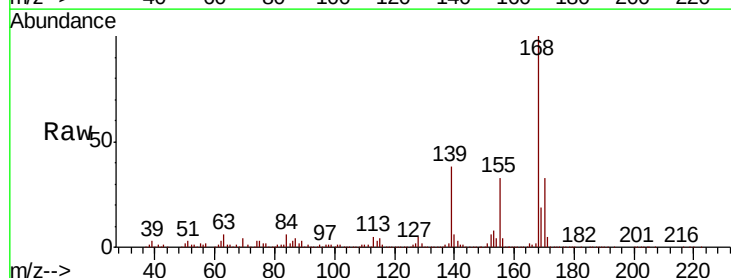
Manual Integrations
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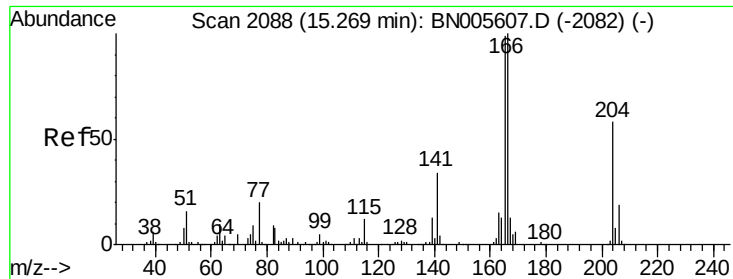
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#53
Dibenzofuran
Concen: 81.400 ng/ul
RT: 14.62 min Scan# 1978
Delta R.T. -0.01 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.9	46.3





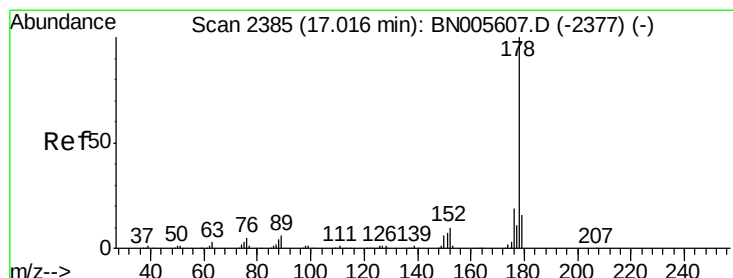
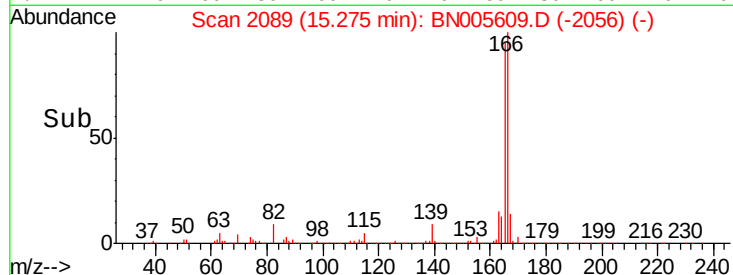
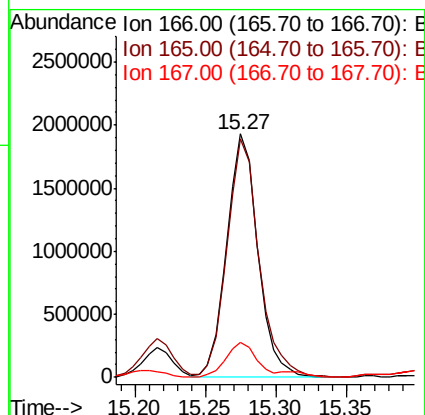
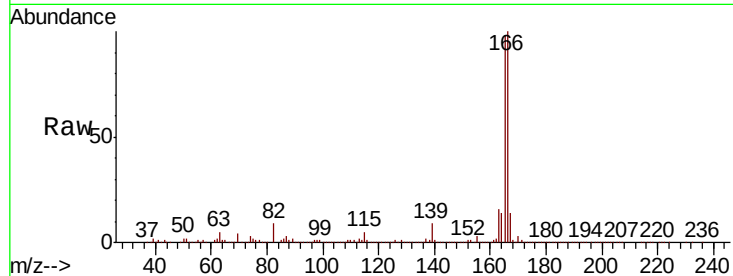
#58
Fluorene
Concen: 230.801 ng/ul
RT: 15.27 min Scan# 2089
Delta R.T. -0.01 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Instrument :
BNA_N
ClientSampled :
GAJ75

Tot Ion:166 Resp: 2957675
Ion Ratio Lower Upper
166 100
165 97.8 80.0 120.0
167 14.4 10.7 16.1

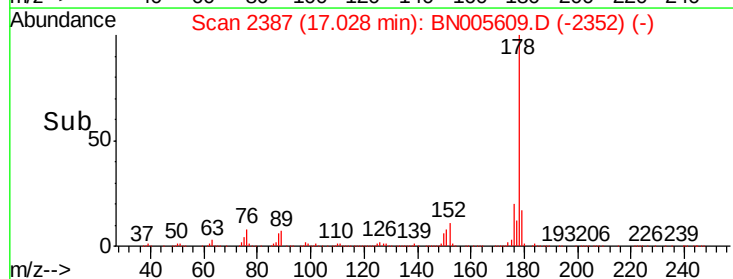
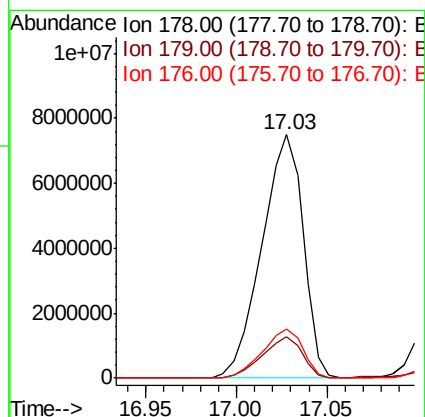
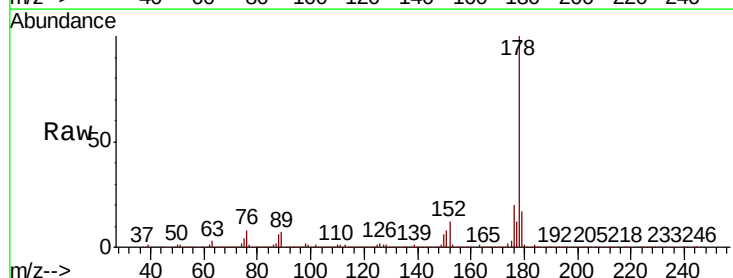
Manual Integrations
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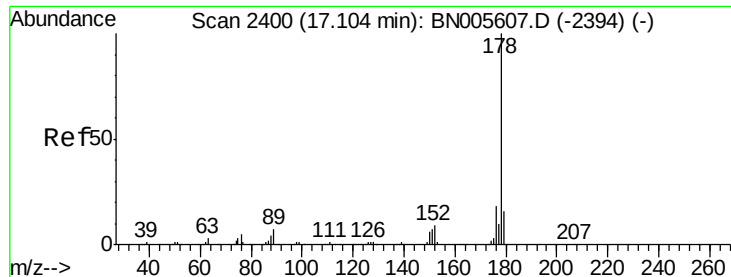
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#69
Phenanthrene
Concen: 729.754 ng/ul
RT: 17.03 min Scan# 2387
Delta R.T. 0.01 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Tgt Ion:178 Resp:11873275
Ion Ratio Lower Upper
178 100
179 16.9 12.2 18.4
176 20.4 15.1 22.7





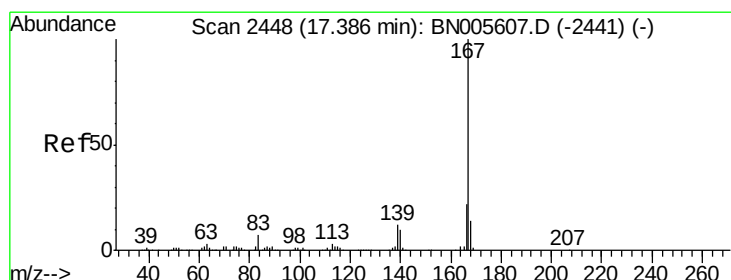
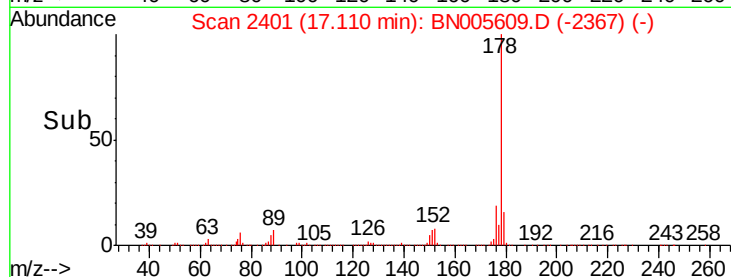
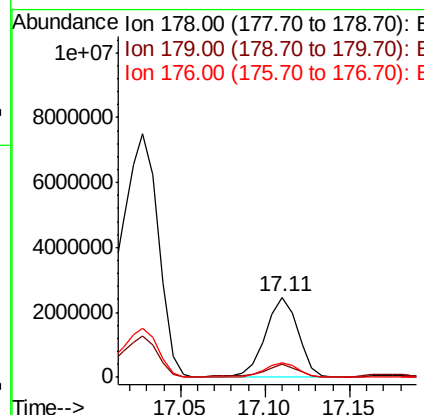
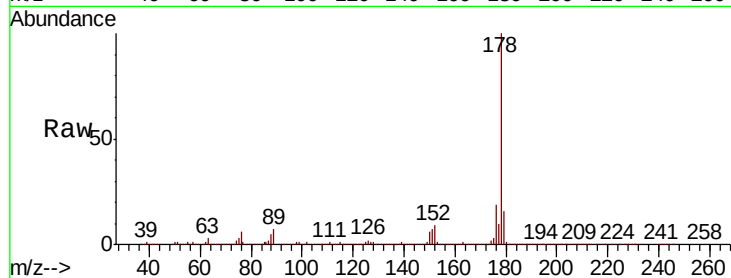
#71
 Anthracene
 Concen: 198.991 ng/ul
 RT: 17.11 min Scan# 2401
 Delta R.T. 0.00 min
 Lab File: BN005609.D
 Acq: 11 May 2019 03:45

Instrument :
 BNA_N
 ClientSampleId :
 GAJ75

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	18.7	15.1	22.7

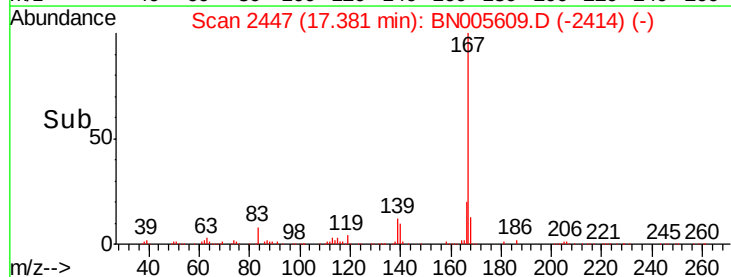
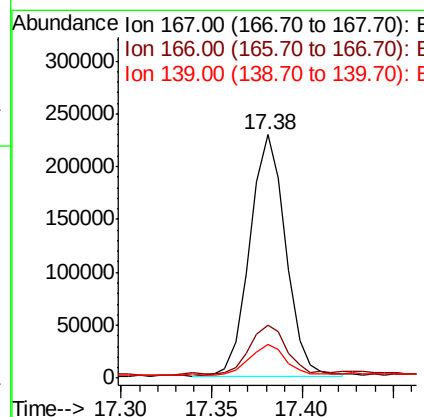
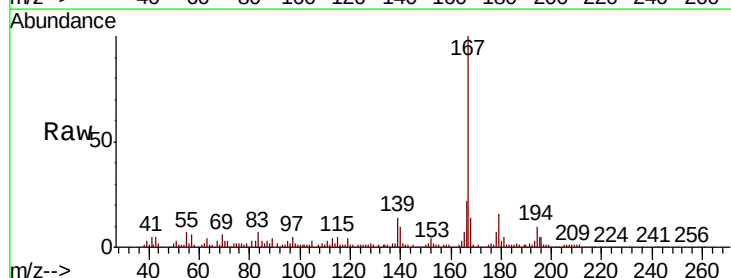
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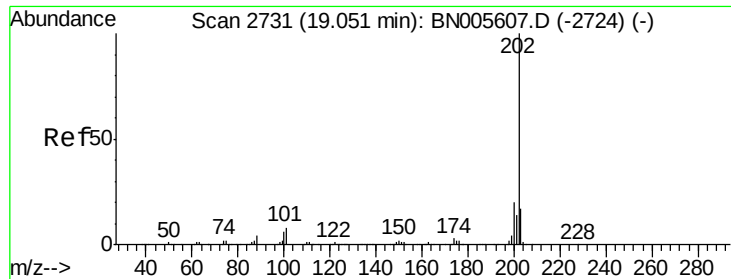
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#74
 Carbazole
 Concen: 21.984 ng/ul
 RT: 17.38 min Scan# 2447
 Delta R.T. -0.01 min
 Lab File: BN005609.D
 Acq: 11 May 2019 03:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	13.9	10.6	16.0





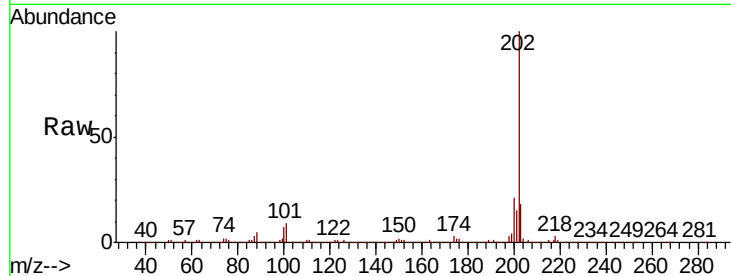
#76
Fluoranthene
Concen: 323.498 ng/ul
RT: 19.05 min Scan# 2731
Delta R.T. -0.01 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Instrument :
BNA_N
ClientSampled :
GAJ75

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.8	8.6	12.8
100	6.7	6.3	9.5

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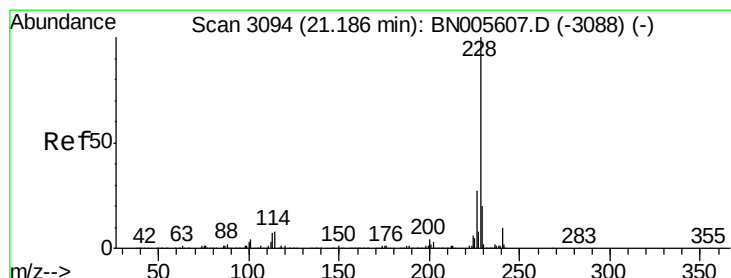
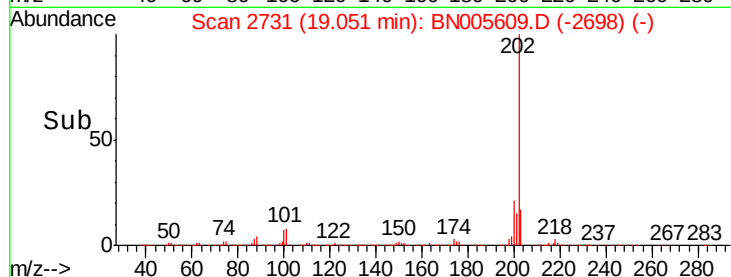
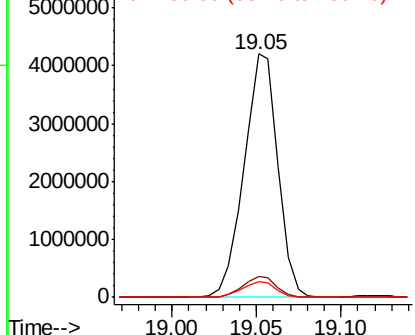


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82
Benzo(a)anthracene
Concen: 151.412 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

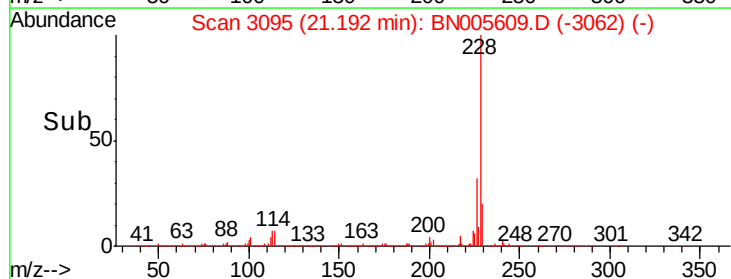
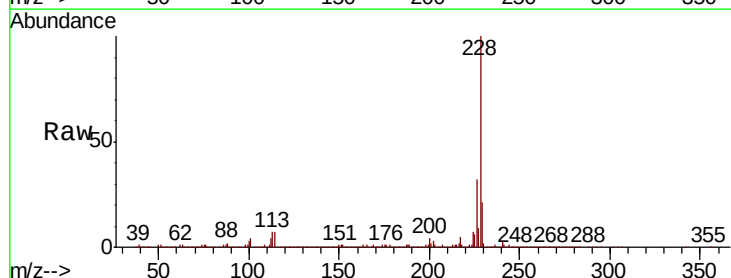
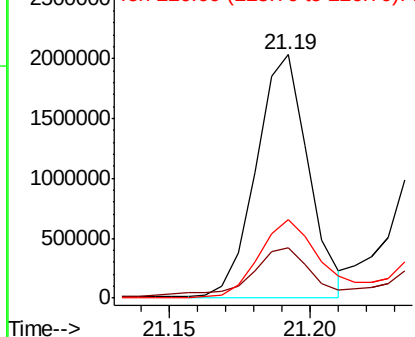
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.6
226	32.0	21.4	32.2

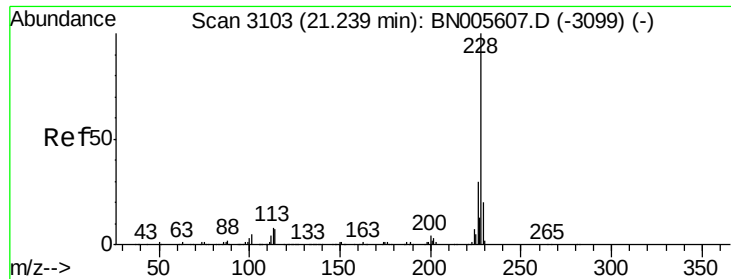
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 138.482 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN005609.D

Acq: 11 May 2019 03:45

Instrument :

BNA_N

ClientSampleId :

GAJ75

Tot Ion:228 Resp: 2210476

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	21.8	15.4	23.0

228 100

226 29.6 24.0 36.0

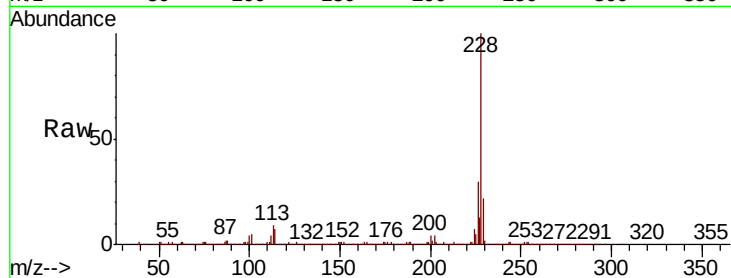
229 21.8 15.4 23.0

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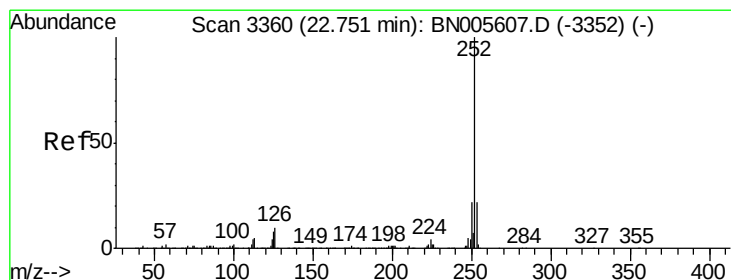
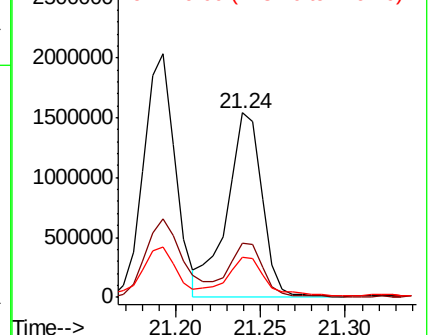
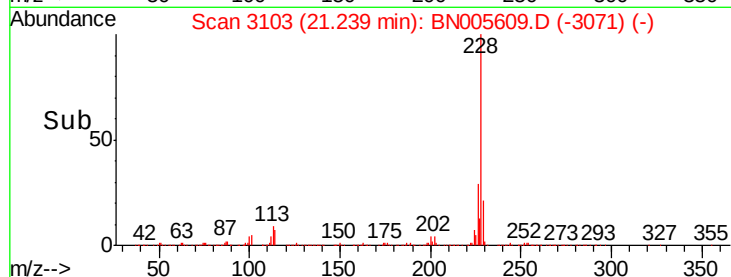


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 105.545 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.01 min

Lab File: BN005609.D

Acq: 11 May 2019 03:45

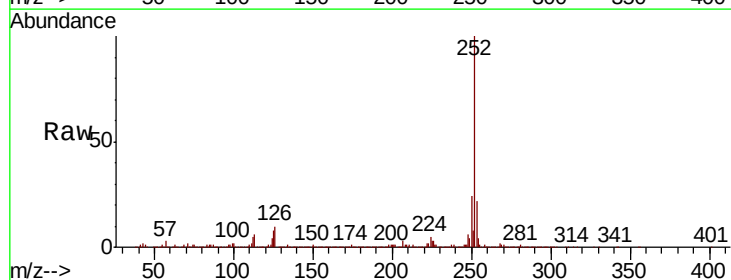
Tgt Ion:252 Resp: 1928880

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	8.1	8.4	12.6

252 100

253 21.6 17.7 26.5

125 8.1 8.4 12.6

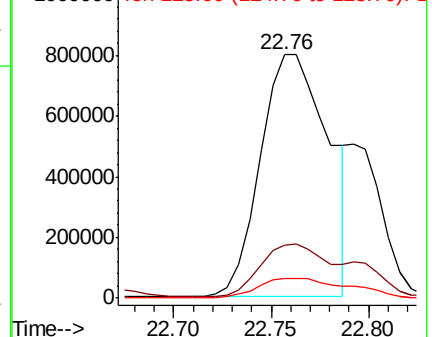
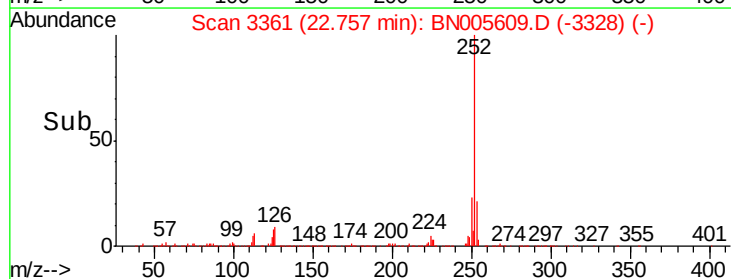


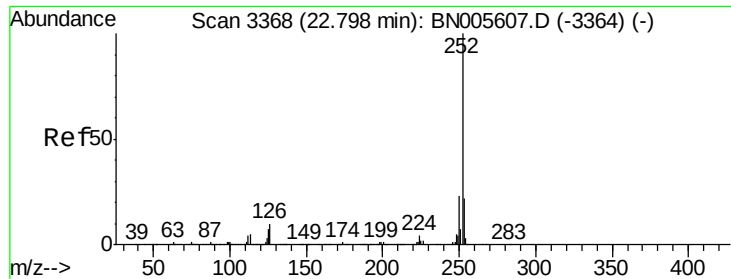
Abundance

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





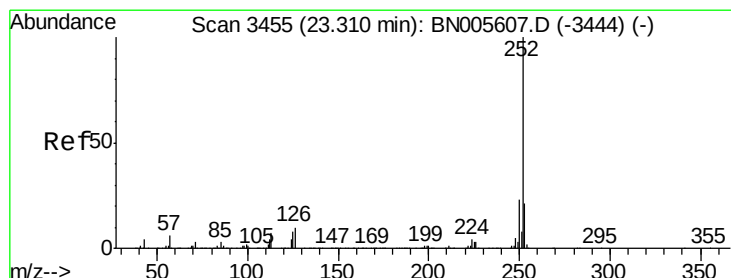
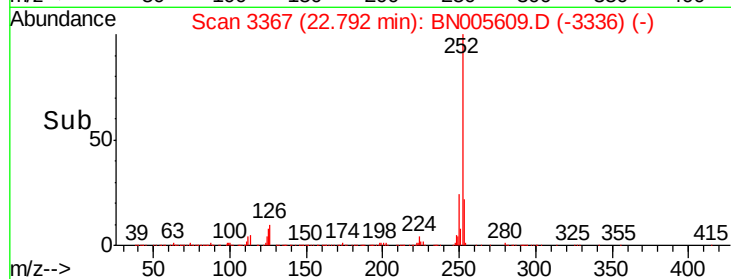
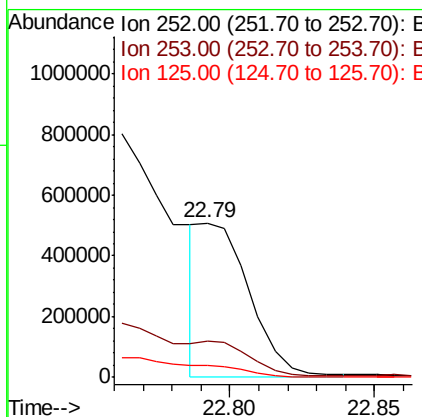
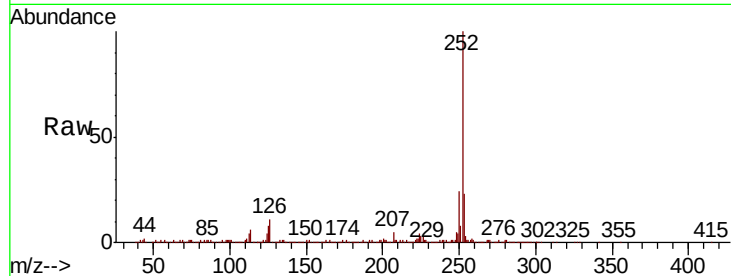
#88
Benzo(k)fluoranthene
Concen: 34.664 ng/ul m
RT: 22.79 min Scan# 3367
Delta R.T. -0.02 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Instrument :
BNA_N
ClientSampled :
GAJ75

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	7.9	7.5	11.3

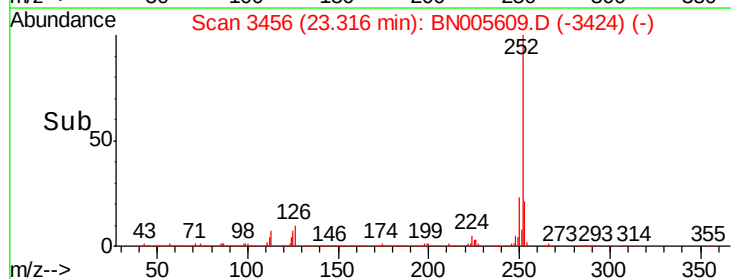
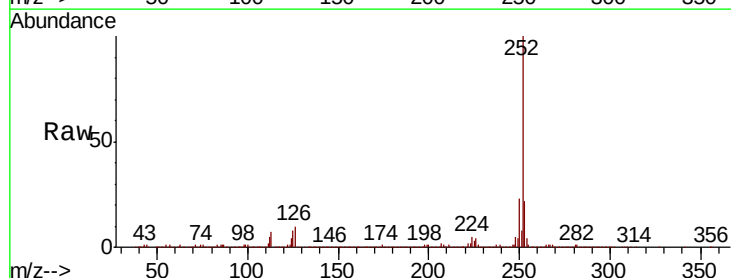
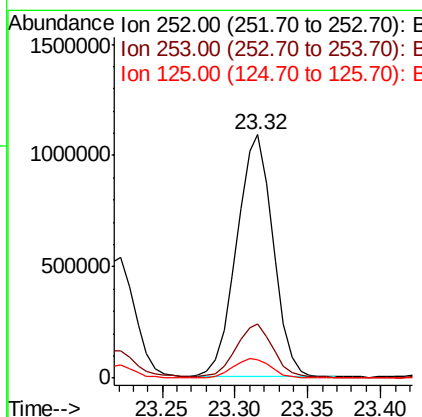
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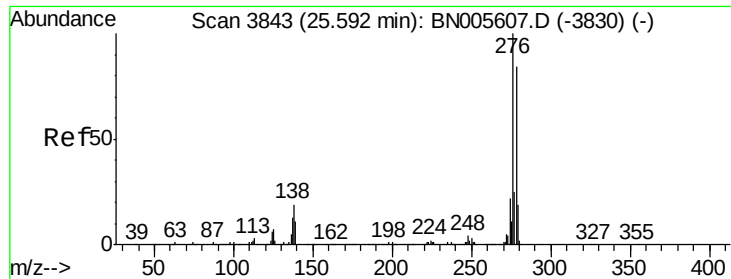
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#90
Benzo(a)pyrene
Concen: 110.542 ng/ul m
RT: 23.32 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BN005609.D
Acq: 11 May 2019 03:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	7.6	8.6	13.0#





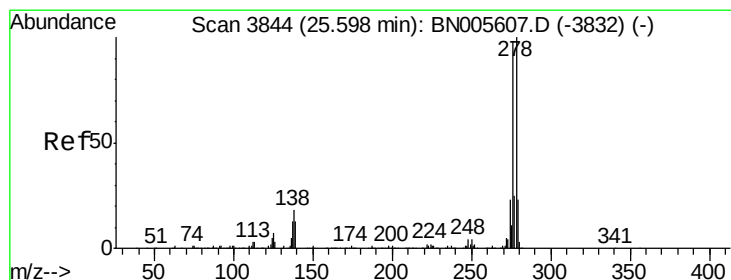
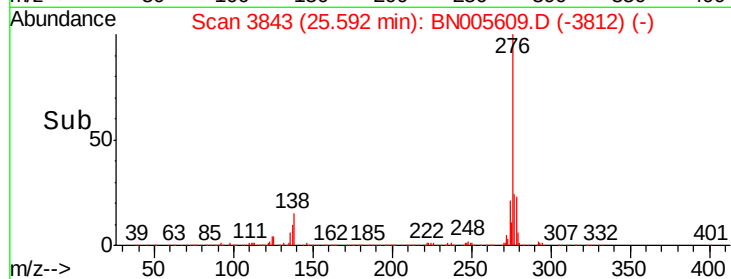
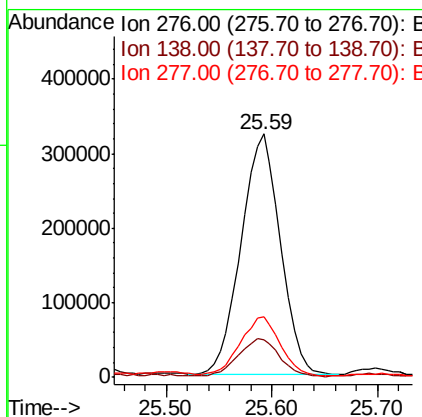
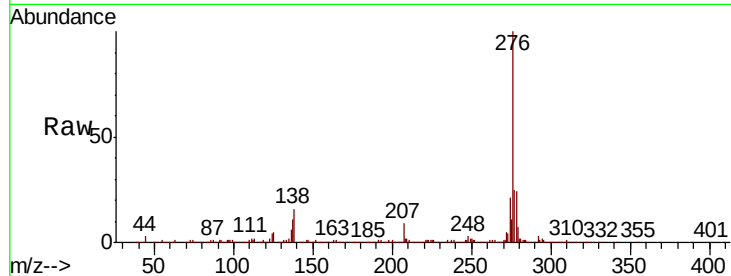
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 44.039 ng/ul
 RT: 25.59 min Scan# 3843
 Delta R.T. -0.02 min
 Lab File: BN005609.D
 Acq: 11 May 2019 03:45

Instrument :
 BNA_N
 ClientSampleId :
 GAJ75

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	17.9	26.9#
277	24.9	19.7	29.5

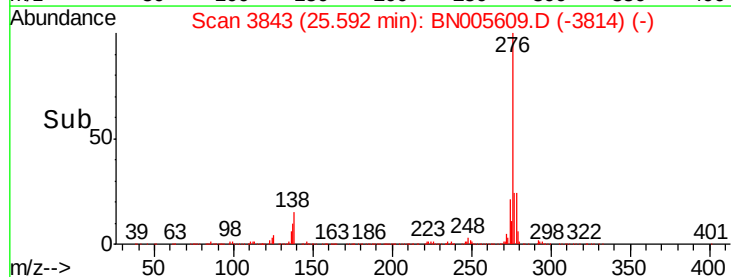
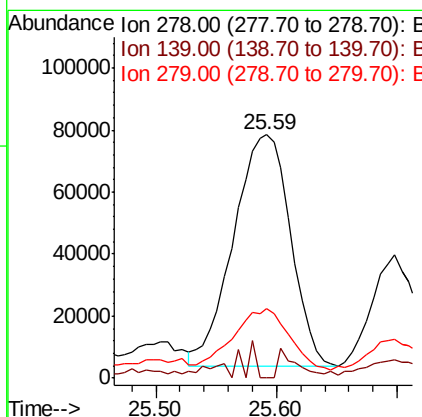
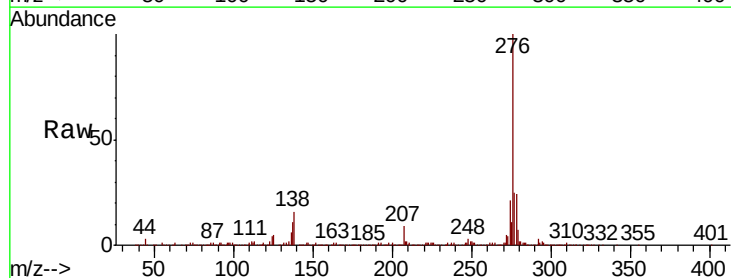
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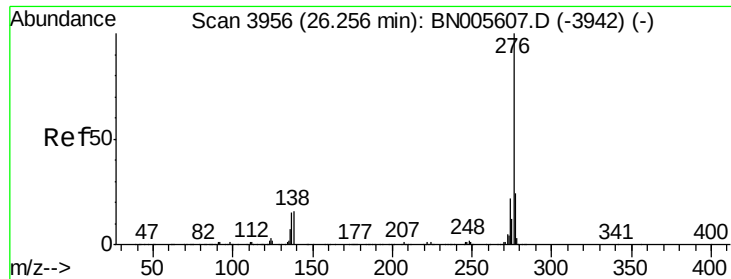
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#92
 Dibenzo(a,h)anthracene
 Concen: 15.195 ng/ul
 RT: 25.59 min Scan# 3843
 Delta R.T. -0.03 min
 Lab File: BN005609.D
 Acq: 11 May 2019 03:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	28.4	19.4	29.0





#93
 Benzo(a,h,i)perylene
 Concen: 49.428 ng/ul
 RT: 26.26 min Scan# 3956
 Delta R.T. -0.02 min
 Lab File: BN005609.D
 Acq: 11 May 2019 03:45

Instrument :
 BNA_N
 ClientSampleId :
 GAJ75

Tot Ion:	276	Resp:	776212
Ion Ratio	Lower	Upper	
276	100		
138	15.4	16.7	25.1#
277	24.2	18.2	27.2

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