

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009621.D
 Acq On : 06 Feb 2020 22:12
 Operator : CG/JU
 Sample : L1324-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAT72

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:19:41 AM

Quant Time: Feb 07 03:22:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	194472	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	824307	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	494673	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	1013110	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	920495	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	1031952	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	7893	1.67	ng/uL	0.00
5) Phenol-d5	6.63	99	172299	10.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	121865	10.70	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	137499	11.01	ng/ul	-0.01
13) 4-Methylphenol-d8	8.15	113	137858	10.21	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	67643	11.03	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.29	143	77204	11.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	139321	10.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.34	131	139777	10.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	443325	12.28	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	533825	12.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	58058	8.51	ng/ul	0.00
57) Fluorene-d10	15.07	176	390304	12.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	43916	6.94	ng/ul	0.00
70) Anthracene-d10	16.93	188	576483	12.52	ng/ul	0.00
78) Pyrene-d10	19.24	212	644897	13.33	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	659126	12.97	ng/ul	0.00

Target Compounds

					Ovalue	
14) Acetophenone	8.26	105	35915	1.662	ng/ul	99
28) Naphthalene	10.25	128	13582108	303.840	ng/ul	99
34) 2-Methylnaphthalene	11.86	142	3251327	103.934	ng/ul	99
40) 1,1'-Biphenyl	12.89	154	597816	15.522	ng/ul	98
44) Dimethylphthalate	13.55	163	47145	1.230	ng/ul#	96
47) Acenaphthylene	13.79	152	3201497	67.048	ng/ul	99
49) Acenaphthene	14.13	153	217771	6.709	ng/ul	98
53) Dibenzofuran	14.47	168	228926	5.064	ng/ul	97
58) Fluorene	15.13	166	1436550	38.027	ng/ul	99
69) Phenanthrene	16.87	178	6305537	109.137	ng/ul	98
71) Anthracene	16.96	178	1505994	25.689	ng/ul	99
74) Carbazole	17.24	167	82960	1.625	ng/ul#	91
76) Fluoranthene	18.90	202	3651892	55.381	ng/ul	99
79) Pyrene	19.27	202	7470823	111.179	ng/ul	98
82) Benzo(a)anthracene	21.03	228	2071266m	32.590	ng/ul	
84) Chrysene	21.08	228	1843171	29.131	ng/ul	98
87) Benzo(b)fluoranthene	22.55	252	2178005m	33.734	ng/ul	
88) Benzo(k)fluoranthene	22.57	252	594514m	9.350	ng/ul	
90) Benzo(a)pyrene	23.07	252	2422818	40.502	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.23	276	1050206	14.767	ng/ul	92
92) Dibenz(a,h)anthracene	25.22	278	301999	5.045	ng/ul#	82
93) Benzo(a,h,i)perylene	25.86	276	1034270	17.352	ng/ul	95

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Instrument :
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GAT72

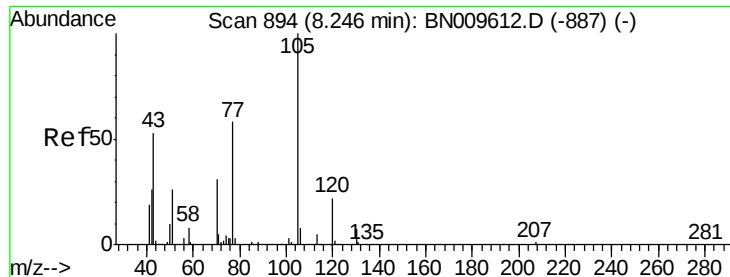
Manual Integrations
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2/10/2020 8:19:41 AM

Quant Time: Feb 07 03:22:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 03 16:39:56 2020
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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



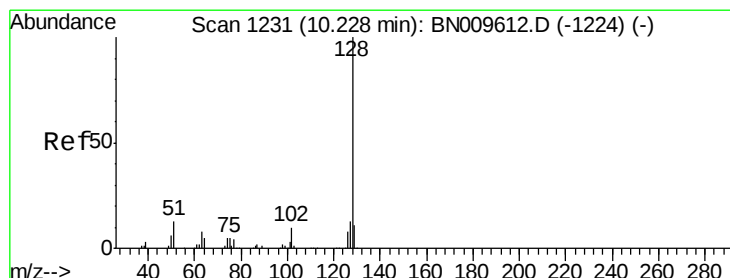
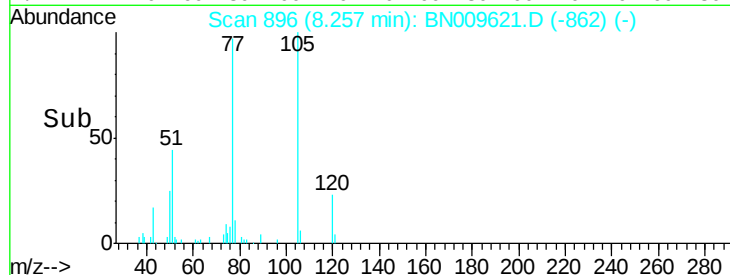
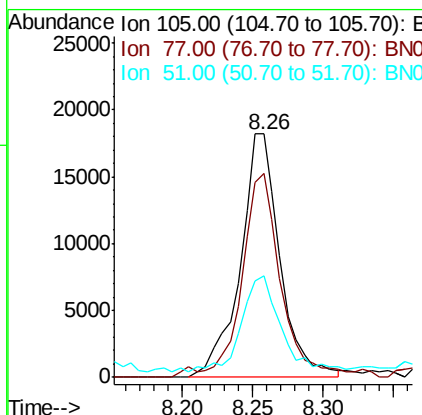
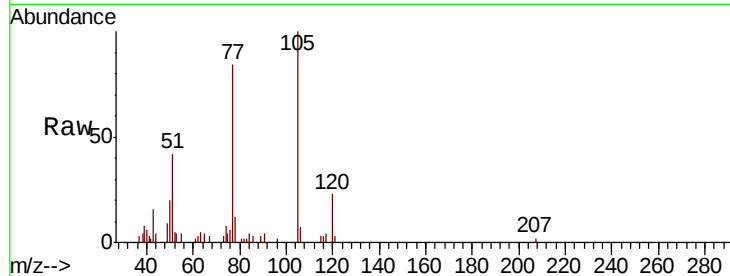
#14
Acetophenone
Concen: 1.662 ng/ul
RT: 8.26 min Scan# 896
Delta R.T. 0.00 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Instrument :
BNA_N
ClientSampled :
GAT72

Tot Ion	Ratio	Lower	Upper
105	100		
77	83.5	67.7	101.5
51	41.7	34.3	51.5

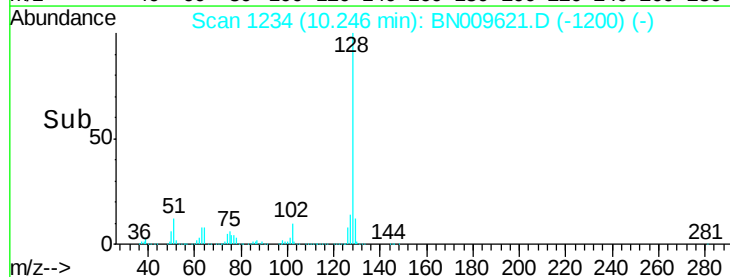
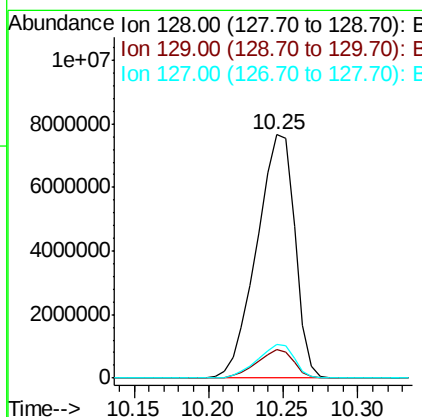
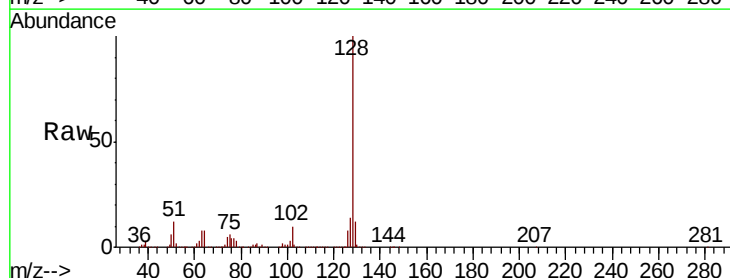
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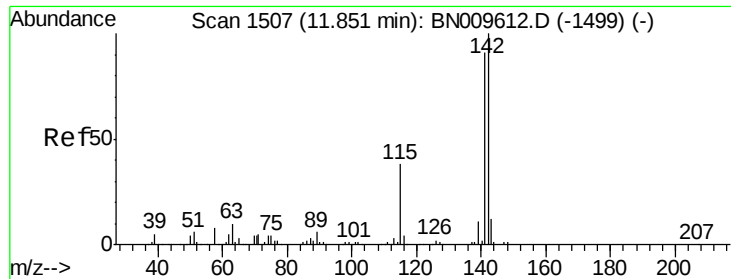
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#28
Naphthalene
Concen: 303.840 ng/ul
RT: 10.25 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	13.8	10.7	16.1





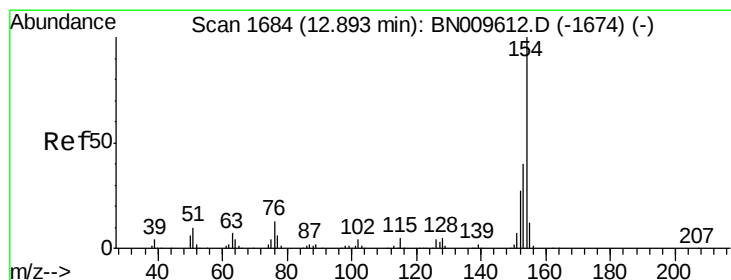
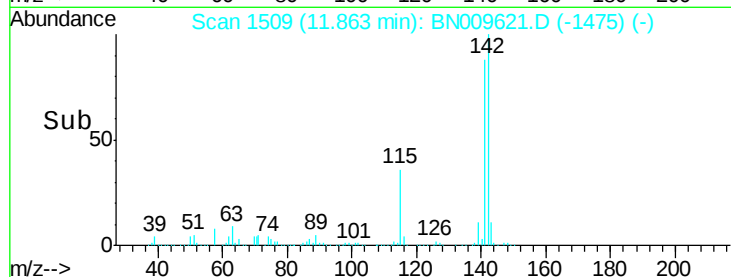
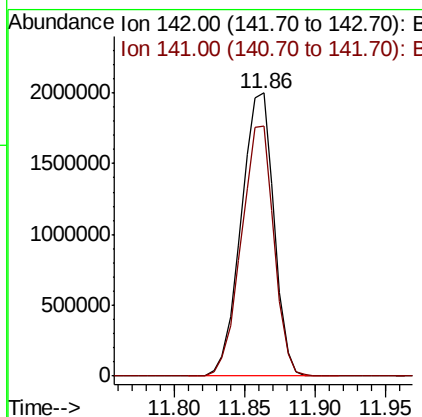
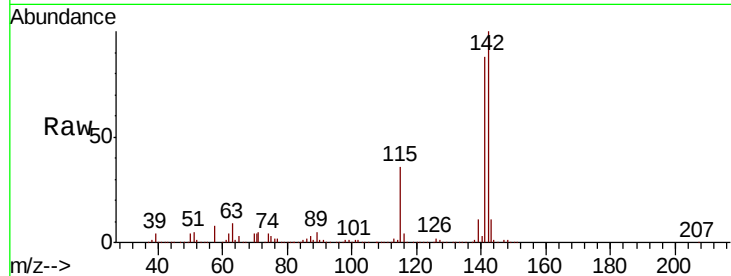
#34
 2-Methylnaphthalene
 Concen: 103.934 ng/ul
 RT: 11.86 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: BN009621.D
 Acq: 06 Feb 2020 22:12

Instrument :
 BNA_N
 ClientSampleId :
 GAT72

Tot Ion:142 Resp: 3251327
 Ion Ratio Lower Upper
 142 100
 141 88.4 71.5 107.3

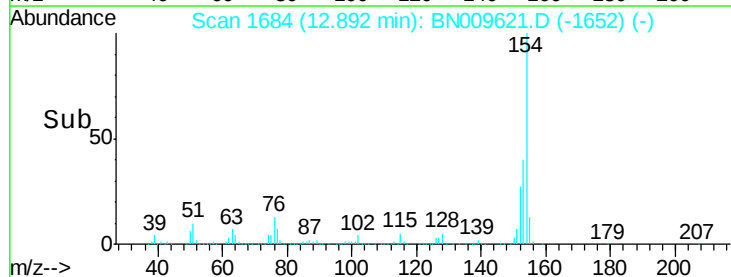
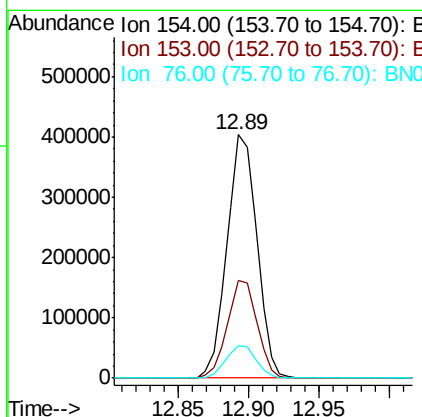
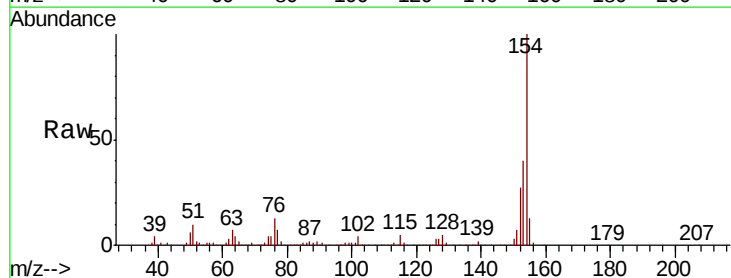
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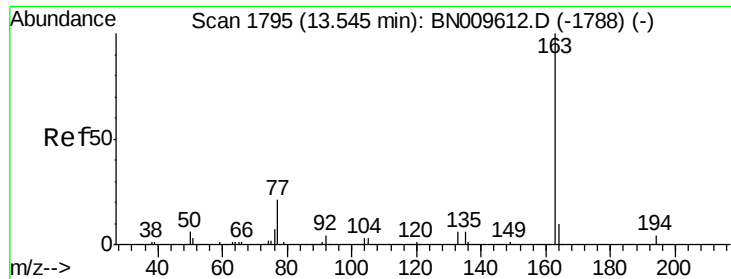
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#40
 1,1'-Biphenyl
 Concen: 15.522 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. -0.01 min
 Lab File: BN009621.D
 Acq: 06 Feb 2020 22:12

Tgt Ion:154 Resp: 597816
 Ion Ratio Lower Upper
 154 100
 153 40.1 31.2 46.8
 76 13.3 11.4 17.2





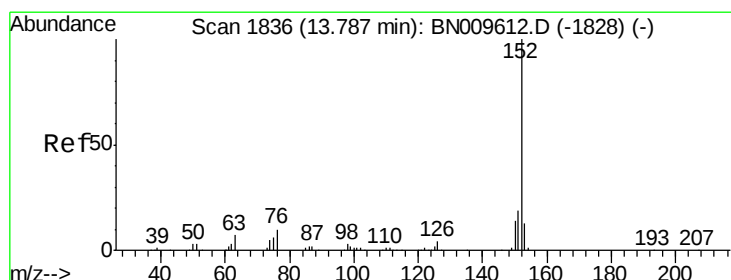
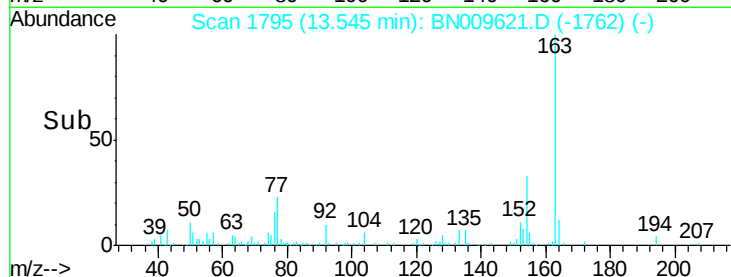
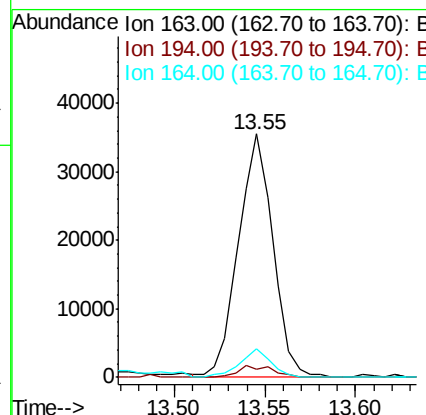
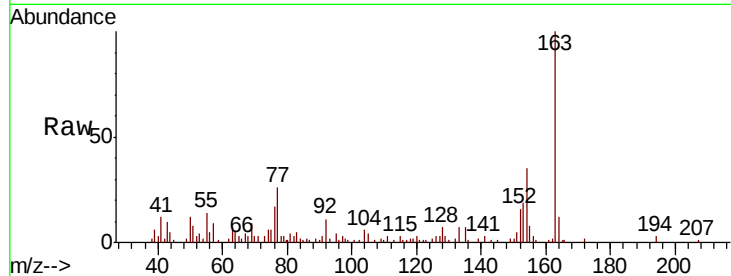
#44
Dimethylphthalate
Concen: 1.230 ng/ul
RT: 13.55 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Instrument :
BNA_N
ClientSampleId :
GAT72

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.5	5.3#
164	11.6	8.0	12.0

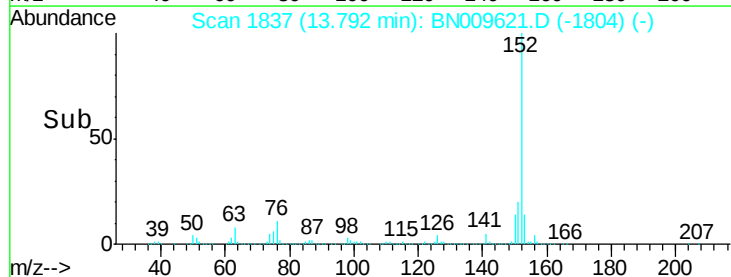
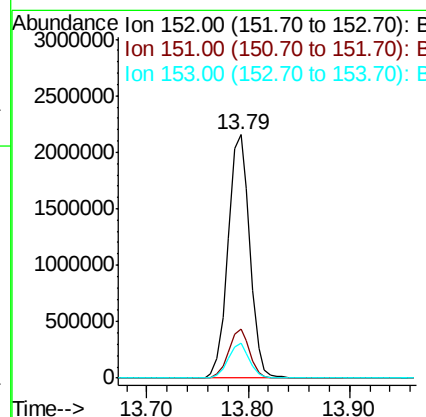
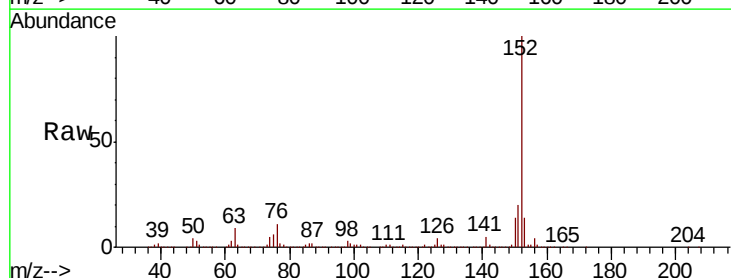
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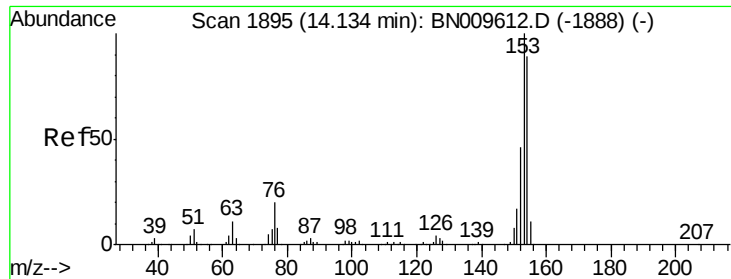
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#47
Acenaphthylene
Concen: 67.048 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	14.2	10.6	15.8





#49

Acenaphthene

Concen: 6.709 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :

BNA_N

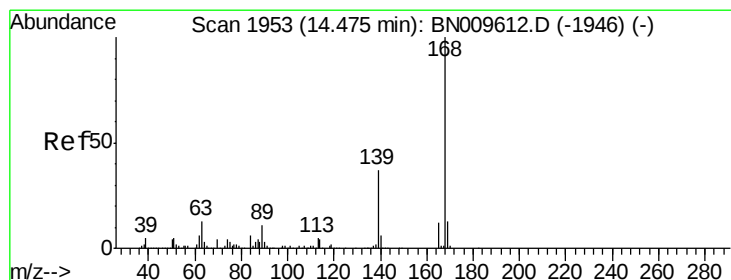
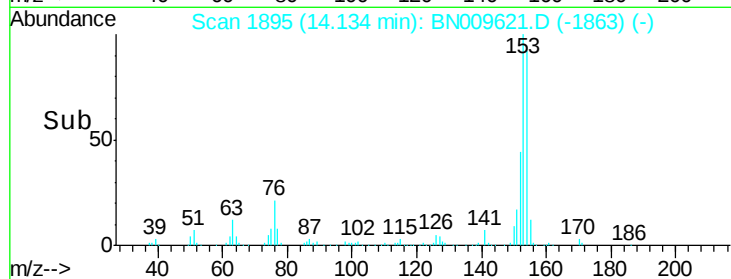
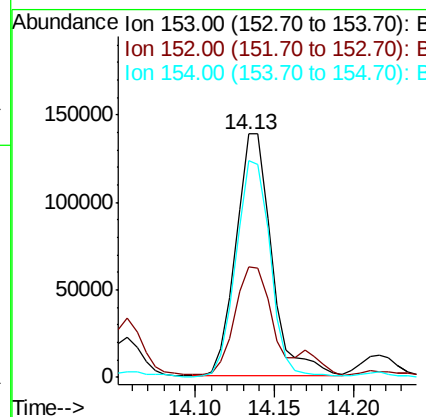
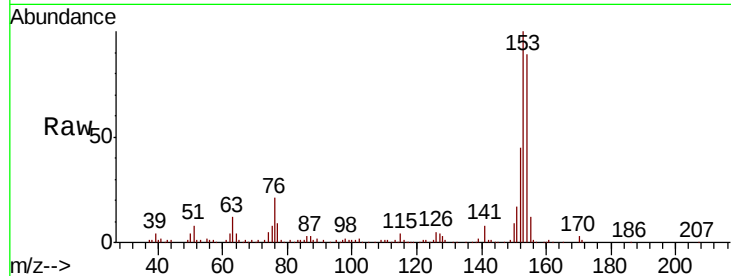
ClientSampled :

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Tot Ion:	153	Resp:	217771
Ion Ratio	Lower	Upper	
153	100		
152	45.2	37.3	55.9
154	89.1	70.2	105.2

Manual Integrations
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#53

Dibenzofuran

Concen: 5.064 ng/ul

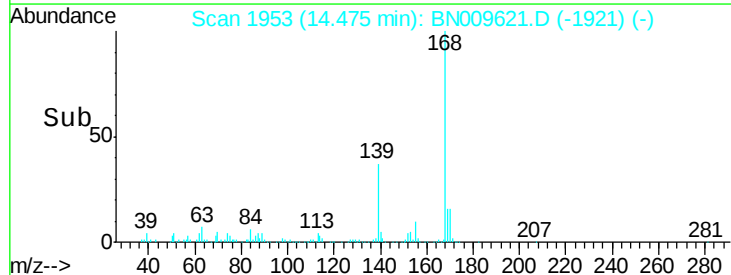
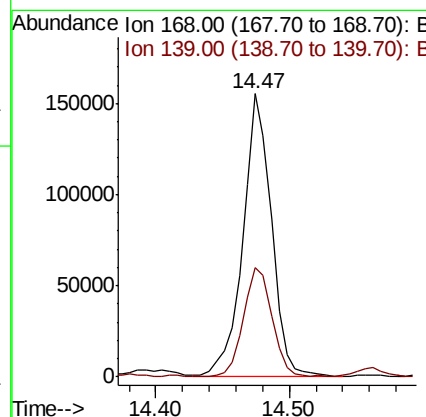
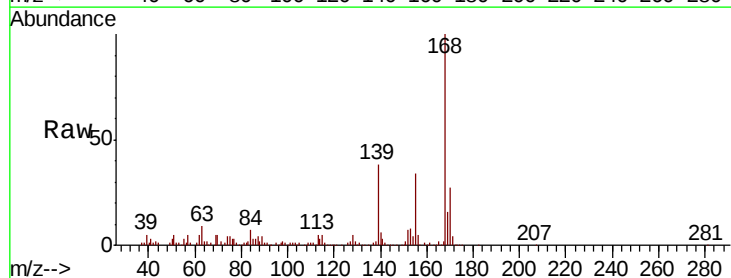
RT: 14.47 min Scan# 1953

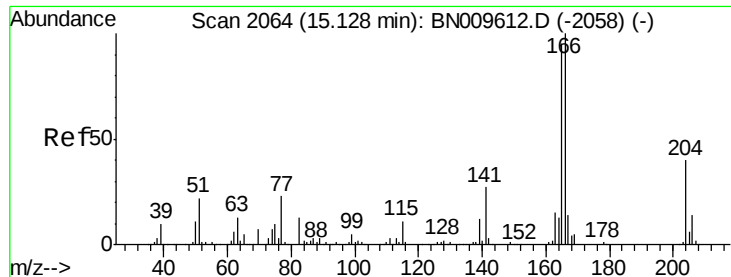
Delta R.T. -0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Tgt Ion:	168	Resp:	228926
Ion Ratio	Lower	Upper	
168	100		
139	38.5	29.5	44.3





#58

Fluorene

Concen: 38.027 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :

BNA_N

ClientSampled :

GAT72

Tot Ion:166 Resp: 1436550

Ion Ratio Lower Upper

166 100

165 97.0 76.7 115.1

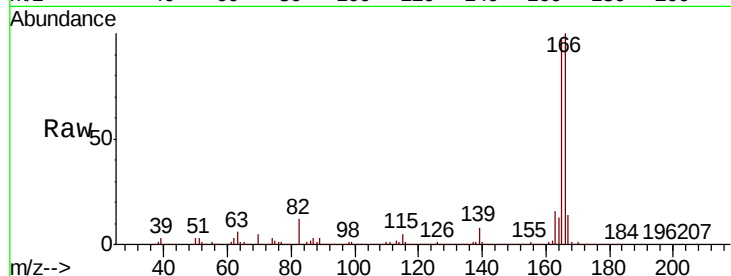
167 13.7 11.1 16.7

Manual Integrations

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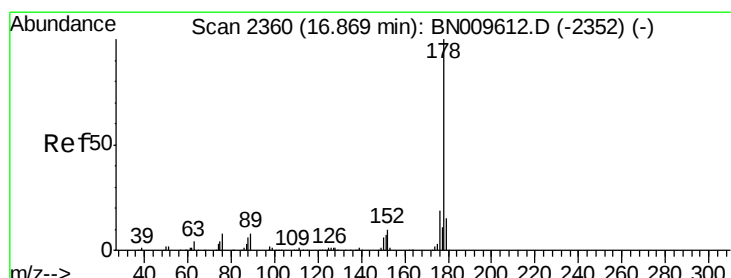
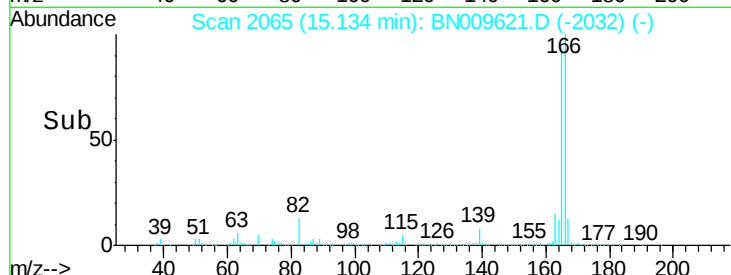
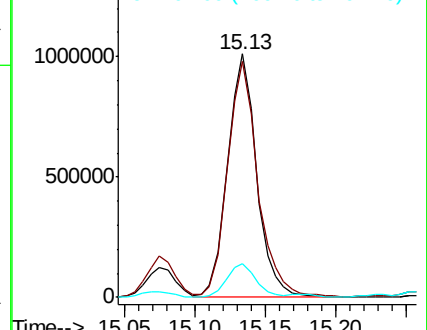
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 109.137 ng/ul

RT: 16.87 min Scan# 2361

Delta R.T. 0.00 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

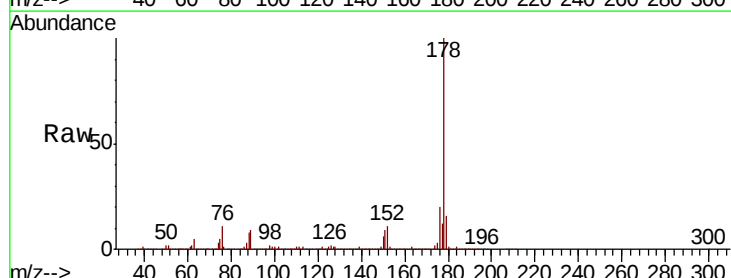
Tgt Ion:178 Resp: 6305537

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

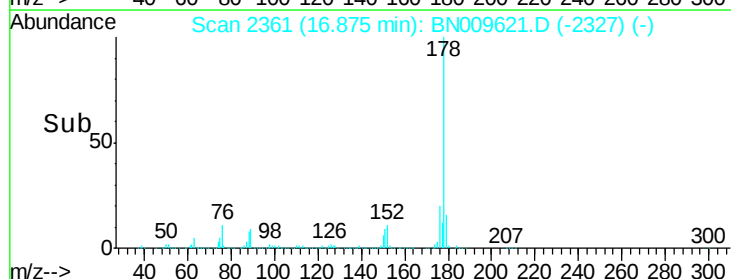
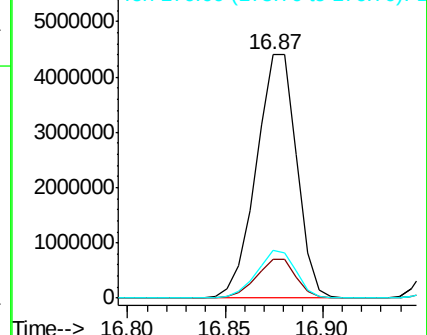
176 19.8 14.8 22.2

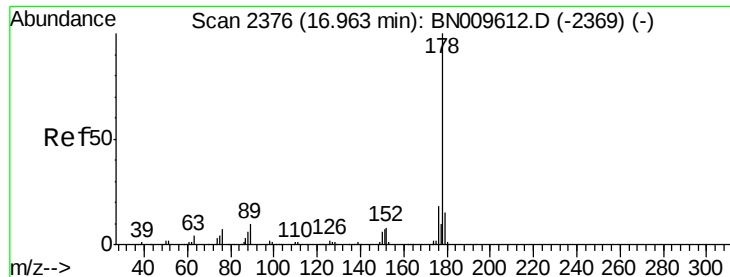


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





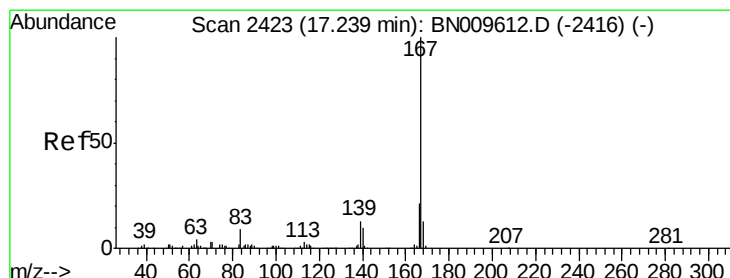
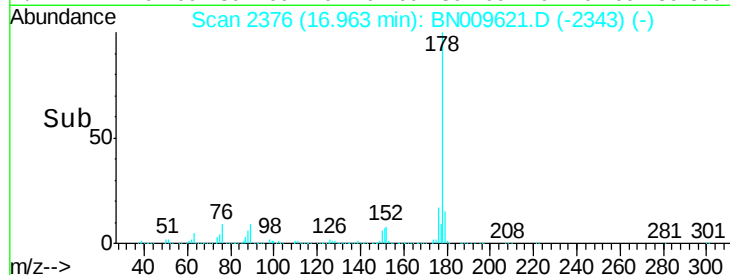
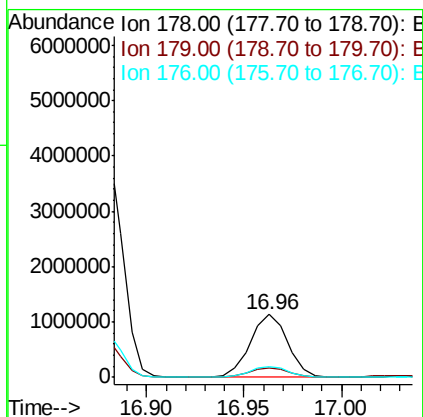
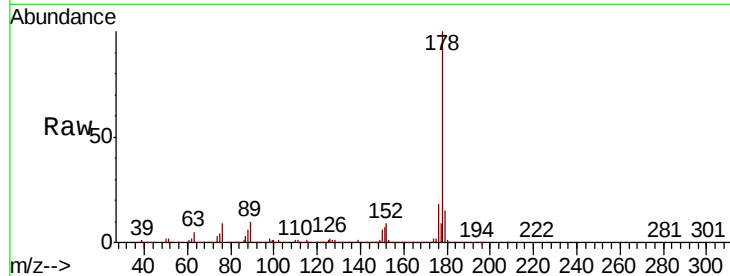
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 Anthracene
 Concen: 25.689 ng/ul
 RT: 16.96 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BN009621.D
 Acq: 06 Feb 2020 22:12

Instrument :
 BNA_N
 ClientSampleID :
 GAT72

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.1	18.1
176	17.5	14.6	21.8

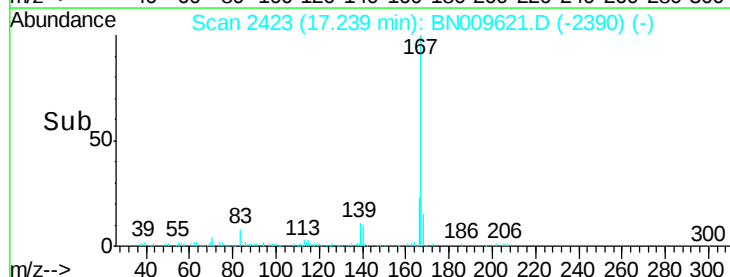
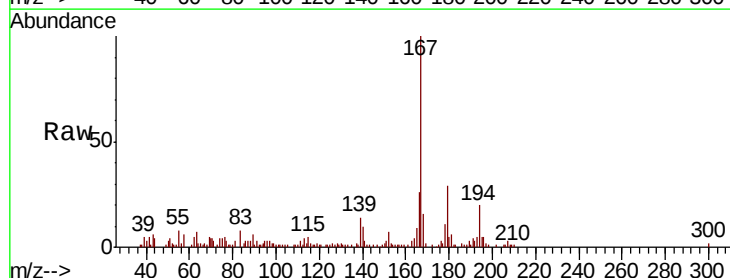
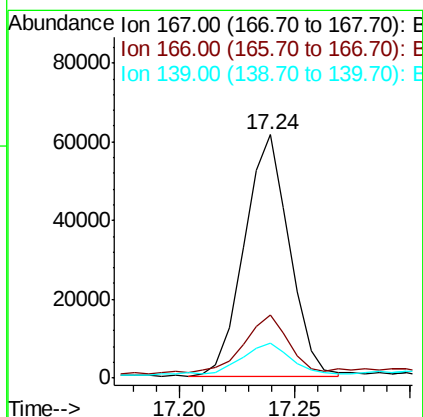
Manual Integrations
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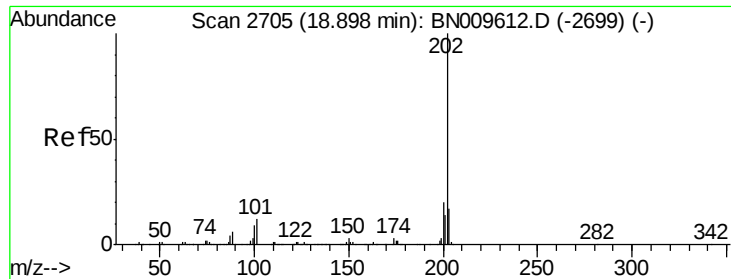
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#74
 Carbazole
 Concen: 1.625 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BN009621.D
 Acq: 06 Feb 2020 22:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.7	16.2	24.4#
139	14.4	10.4	15.6





#76

Fluoranthene

Concen: 55.381 ng/ul

RT: 18.90 min Scan# 2706

Delta R.T. 0.00 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :

BNA_N

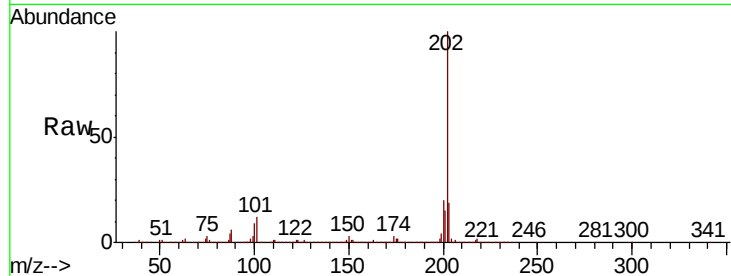
ClientSampleId :

GAT72

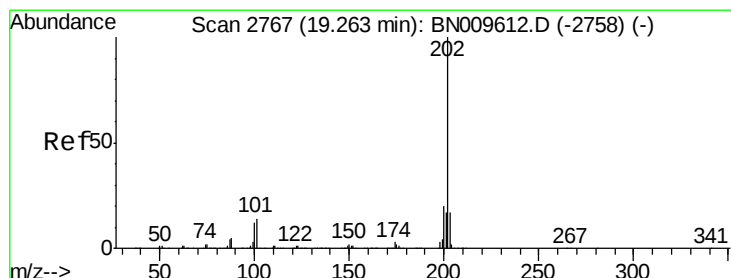
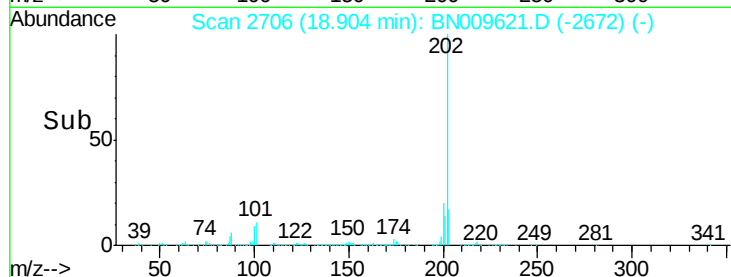
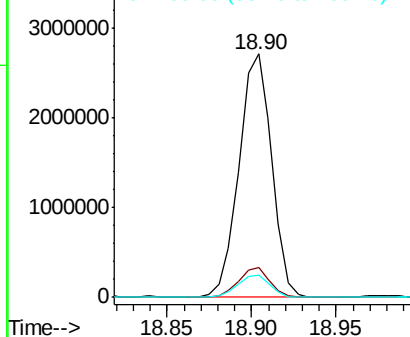
Tot Ion:	202	Resp:	3651892
Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.2	13.8
100	9.0	6.9	10.3

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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



#79

Pyrene

Concen: 111.179 ng/ul

RT: 19.27 min Scan# 2769

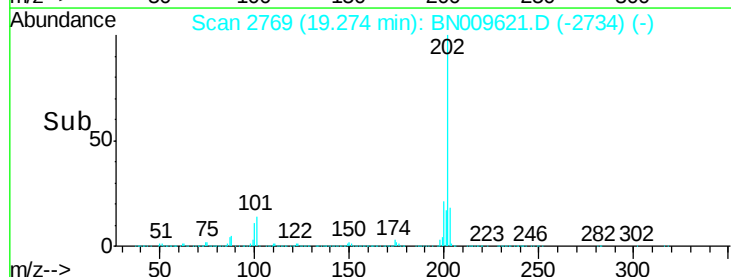
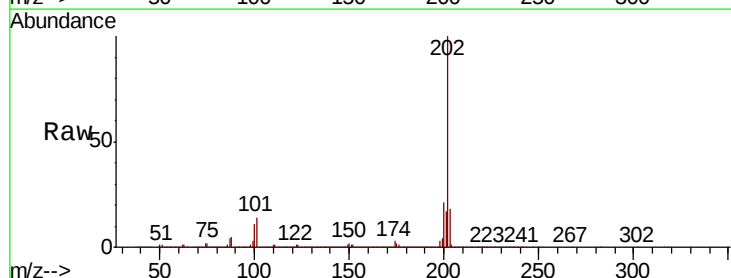
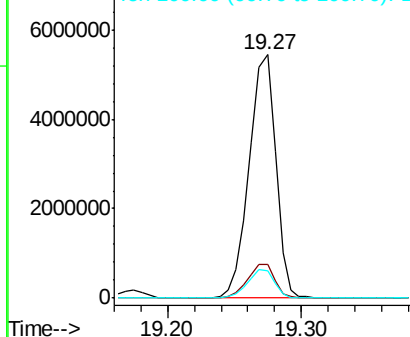
Delta R.T. 0.01 min

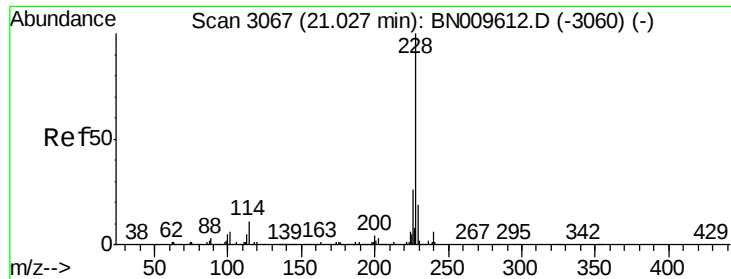
Lab File: BN009621.D

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Tgt Ion:	202	Resp:	7470823
Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.3	15.5
100	11.2	8.4	12.6

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





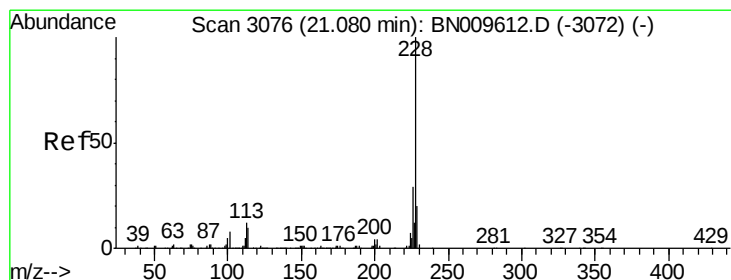
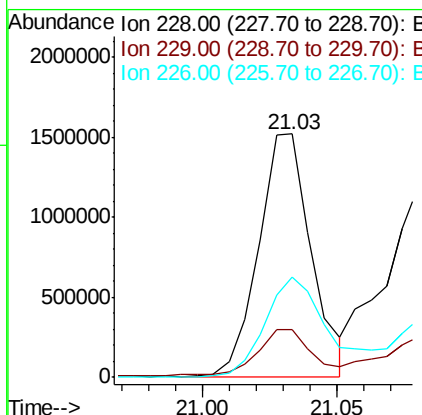
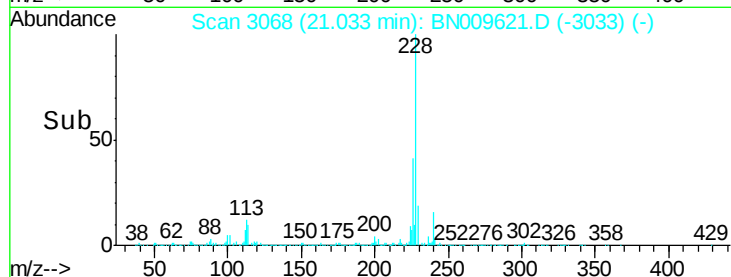
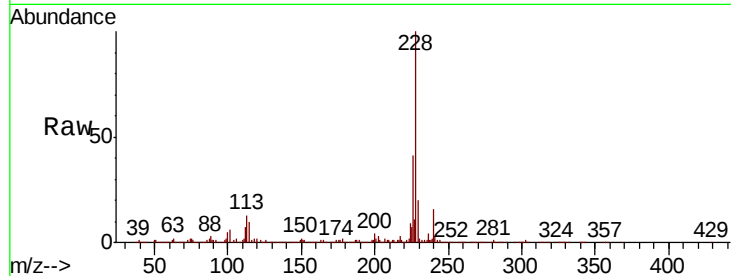
#82
Benzo(a)anthracene
Concen: 32.590 ng/ul m
RT: 21.03 min Scan# 3068
Delta R.T. 0.01 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Instrument :
BNA_N
ClientSampleId :
GAT72

Tot Ion:228 Resp: 2071266
Ion Ratio Lower Upper
228 100
229 19.7 15.0 22.4
226 41.0 20.9 31.3#

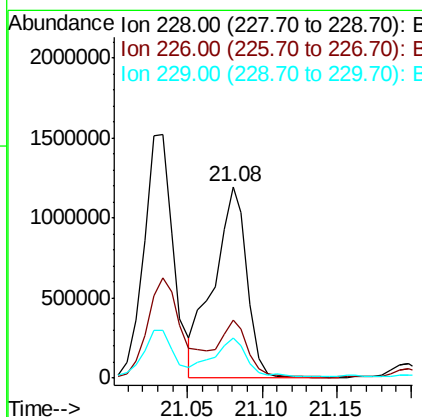
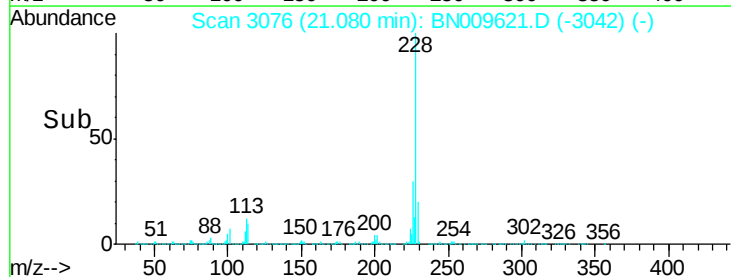
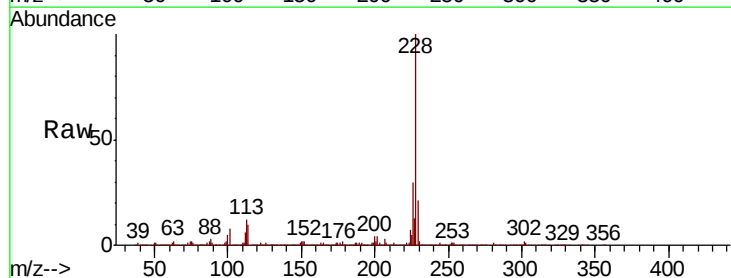
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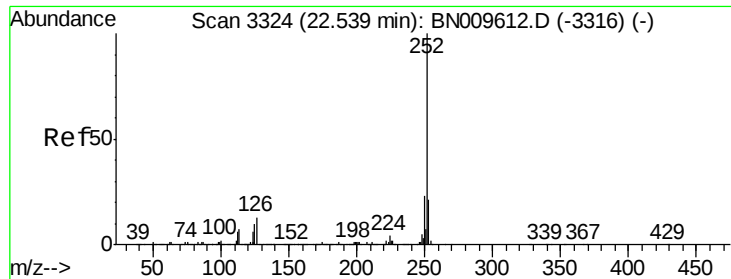
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#84
Chrysene
Concen: 29.131 ng/ul
RT: 21.08 min Scan# 3076
Delta R.T. 0.00 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Tgt Ion:228 Resp: 1843171
Ion Ratio Lower Upper
228 100
226 30.1 23.5 35.3
229 21.0 15.8 23.8





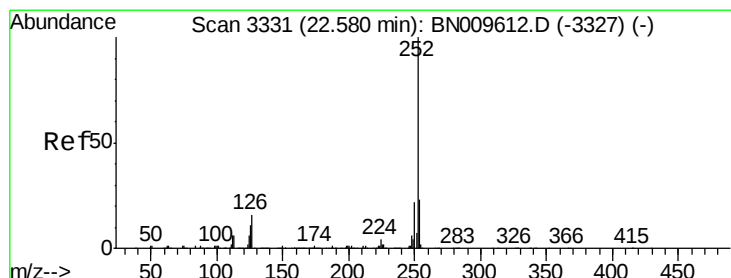
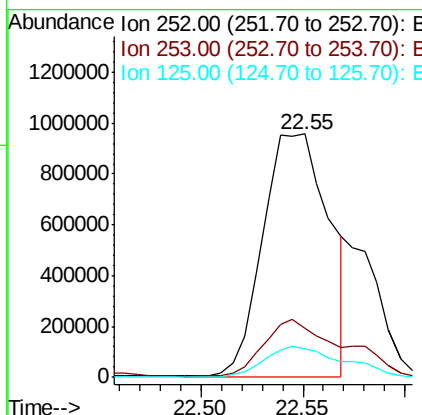
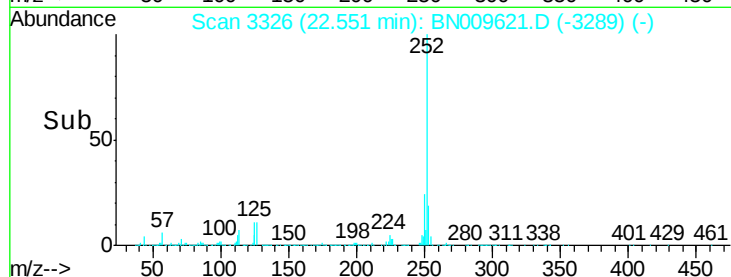
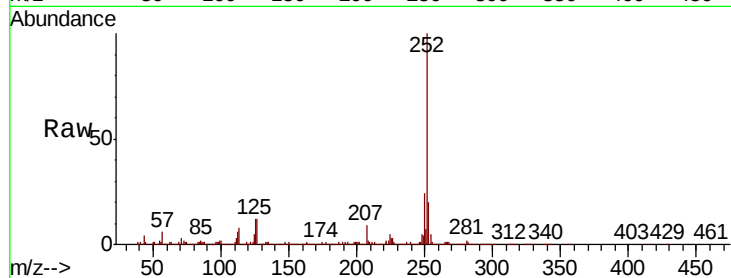
#87
Benzo(b)fluoranthene
Concen: 33.734 ng/ul m
RT: 22.55 min Scan# 3326
Delta R.T. 0.02 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Instrument :
BNA_N
ClientSampleId :
GAT72

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.0	25.6
125	11.5	8.2	12.2

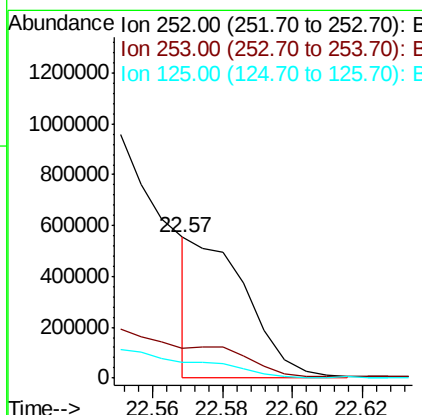
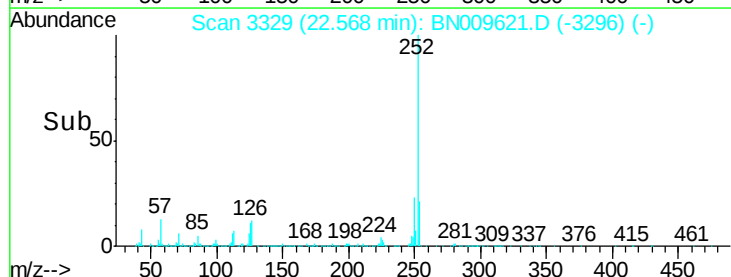
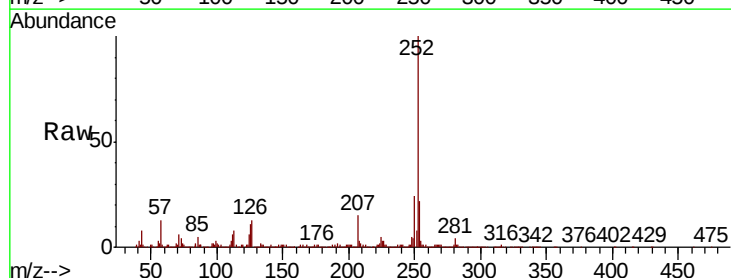
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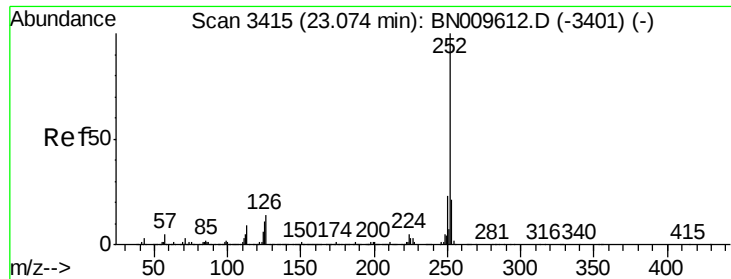
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#88
Benzo(k)fluoranthene
Concen: 9.350 ng/ul m
RT: 22.57 min Scan# 3329
Delta R.T. -0.01 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.4
125	11.1	8.0	12.0





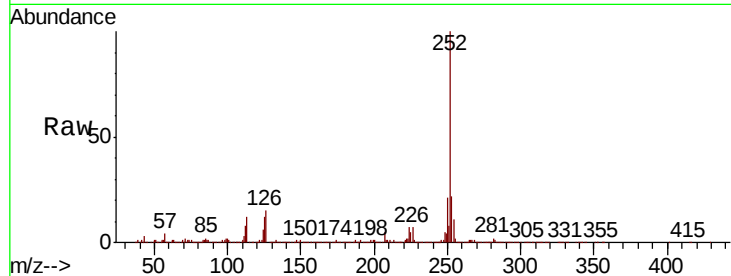
#90
Benzo(a)pyrene
Concen: 40.502 ng/ul
RT: 23.07 min Scan# 3415
Delta R.T. 0.01 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Instrument :
BNA_N
ClientSampled :
GAT72

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	15.8	23.8
125	11.7	8.7	13.1

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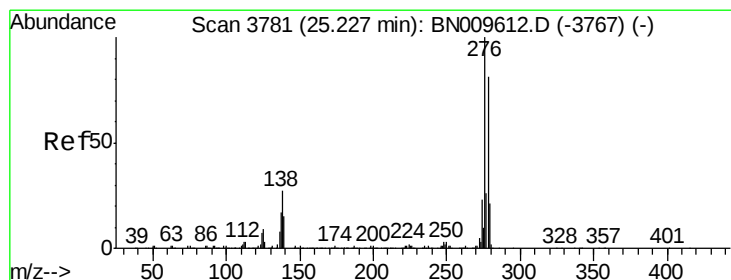
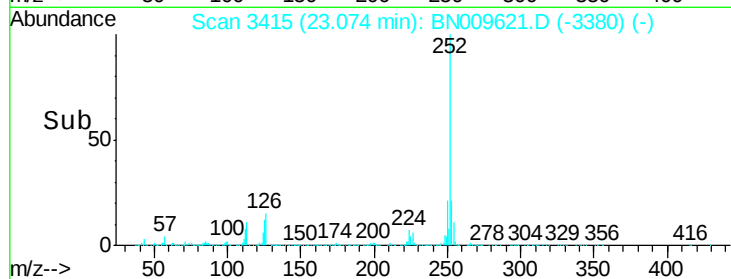
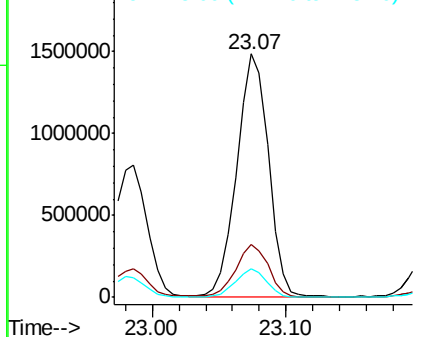


Abundance

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



#91
Indeno(1,2,3-cd)pyrene
Concen: 14.767 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. 0.01 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

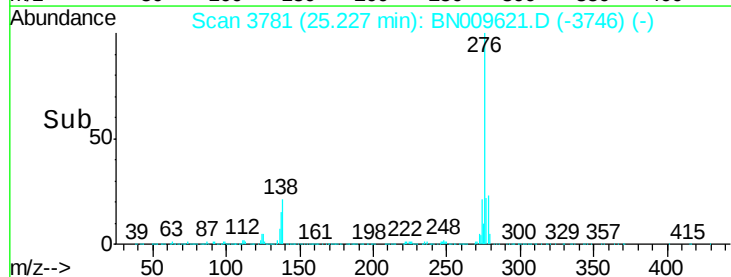
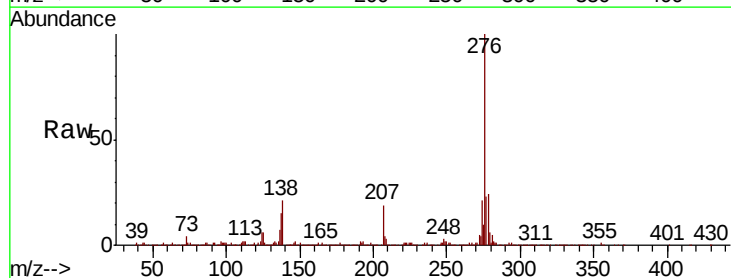
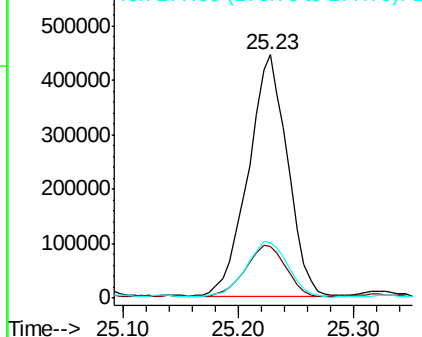
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.3	30.5
277	22.7	21.2	31.8

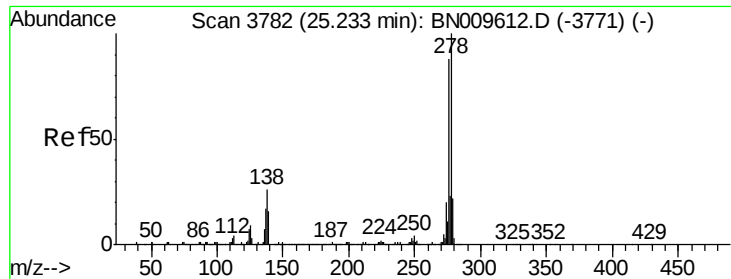
Abundance

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





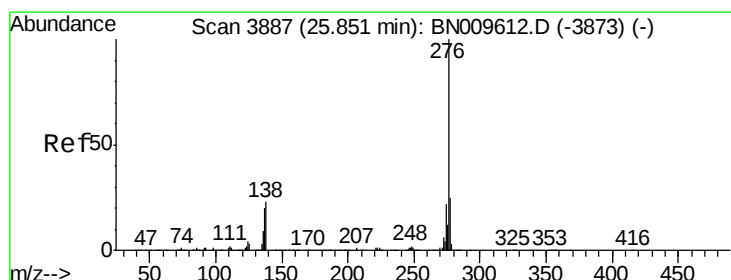
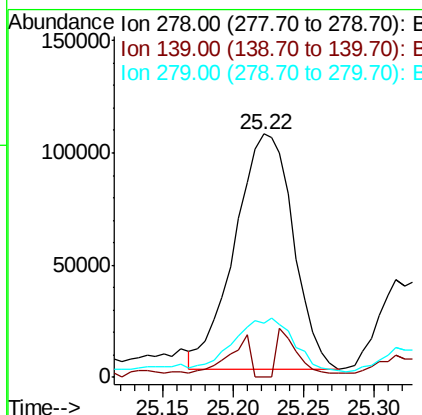
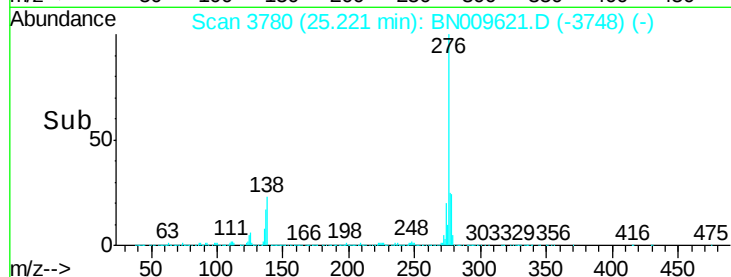
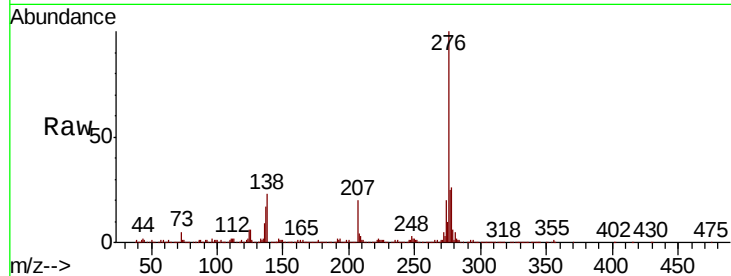
#92
Dibenzo(a,h)anthracene
Concen: 5.045 ng/ul
RT: 25.22 min Scan# 3780
Delta R.T. -0.01 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Instrument :
BNA_N
ClientSampled :
GAT72

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	22.5	19.8	29.8

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#93
Benzo(g,h,i)perylene
Concen: 17.352 ng/ul
RT: 25.86 min Scan# 3888
Delta R.T. 0.01 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	16.0	24.0
277	23.9	17.0	25.6

