

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
 Data File : BN009561.D
 Acq On : 04 Feb 2020 13:14
 Operator : CG/JU
 Sample : L1342-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 B0AG6

Manual Integrations
 APPROVED

mohammad
 2/4/2020 6:15:37 PM

Quant Time: Feb 04 13:59:21 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	7.44	152	135694	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	585236	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	362189	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	801783	20.00	ng/ul	0.00
77) Chrysene-d12	21.06	240	716283	20.00	ng/ul	0.01
85) Perylene-d12	23.17	264	787176m	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	8794	2.66	ng/uL	0.00
5) Phenol-d5	6.64	99	177512	15.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	141295	17.77	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	146105	16.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	150828	16.00	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	73455	16.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	81930	16.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	148453	16.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	148386	15.17	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	543477	20.55	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	554403	17.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	80051	16.03	ng/ul	0.00
57) Fluorene-d10	15.08	176	445625	19.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	44801	8.95	ng/ul	0.01
70) Anthracene-d10	16.93	188	672918	18.47	ng/ul	0.00
78) Pyrene-d10	19.24	212	687181	18.25	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.04	264	657138	16.95	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.66	94	14437	1.141	ng/ul	100
28) Naphthalene	10.24	128	65914	2.077	ng/ul	99
34) 2-Methylnaphthalene	11.86	142	29146	1.312	ng/ul	98
44) Dimethylphthalate	13.55	163	89082	3.175	ng/ul	99
47) Acenaphthylene	13.79	152	811337	23.207	ng/ul	99
49) Acenaphthene	14.14	153	171299	7.207	ng/ul	97
53) Dibenzofuran	14.48	168	153848	4.649	ng/ul	98
58) Fluorene	15.13	166	234893	8.492	ng/ul#	98
69) Phenanthrene	16.88	178	7735050	169.165	ng/ul	99
71) Anthracene	16.97	178	2223834	47.932	ng/ul	99
74) Carbazole	17.24	167	228709	5.662	ng/ul	97
76) Fluoranthene	18.92	202	13679821m	262.132	ng/ul	
79) Pyrene	19.28	202	12262541m	234.516	ng/ul	
82) Benzo(a)anthracene	21.04	228	7825210m	158.227	ng/ul	
83) Bis(2-ethylhexyl)phthalate	20.99	149	59273	1.878	ng/ul#	89
84) Chrysene	21.10	228	6582047	133.688	ng/ul	96
87) Benzo(b)fluoranthene	22.56	252	7811816	158.615	ng/ul	94
88) Benzo(k)fluoranthene	22.59	252	3353436m	69.139	ng/ul	
90) Benzo(a)pyrene	23.09	252	5794990m	126.998	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.26	276	3811676m	70.261	ng/ul	
92) Dibenzo(a,h)anthracene	25.25	278	1159486m	25.391	ng/ul	
93) Benzo(a,h,i)perylene	25.88	276	2938396m	64.627	ng/ul	

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ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
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B0AG6

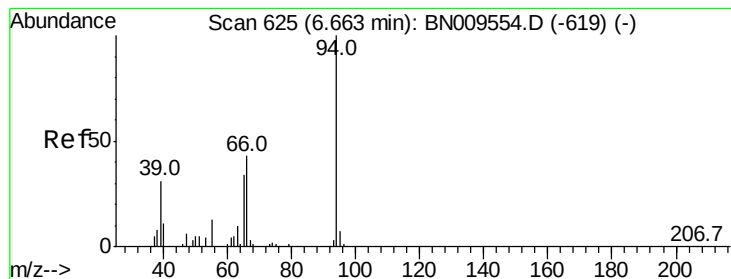
Manual Integrations
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Quant Time: Feb 04 13:59:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 03 16:39:56 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

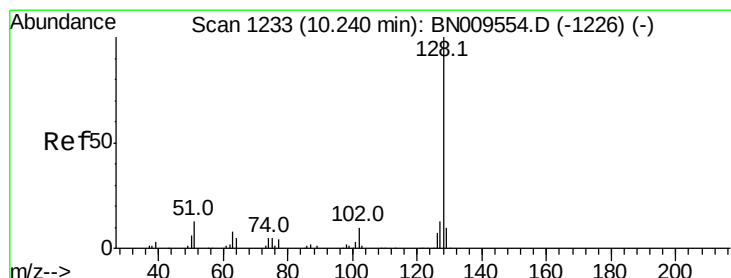
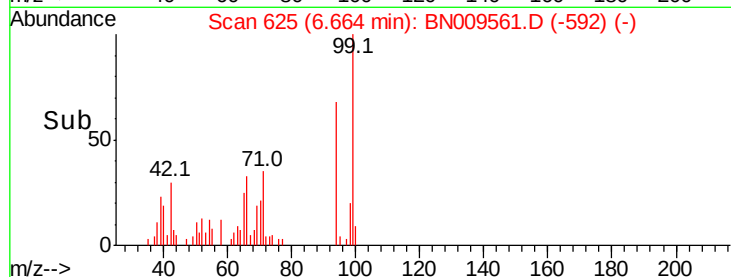
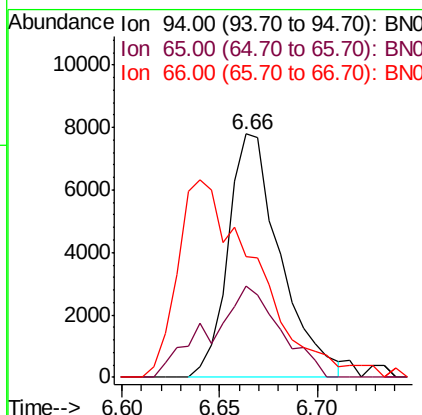
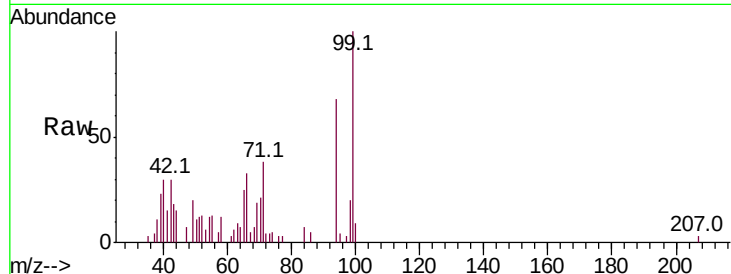
Concen: 1.141 ng/ul
 RT: 6.66 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BN009561.D
 Acq: 04 Feb 2020 13:14

Instrument :
 BNA_N
 ClientSampled :
 B0AG6

Tot Ion	Ratio	Lower	Upper
94	100		
65	37.7	29.8	44.6
66	49.4	39.5	59.3

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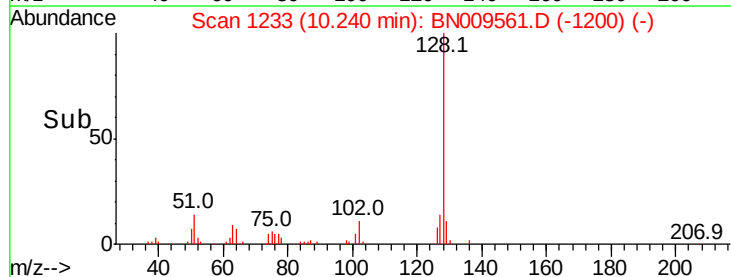
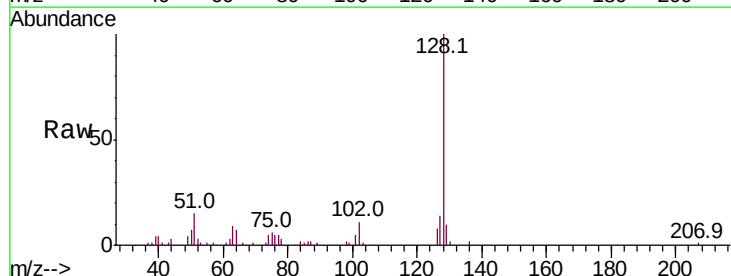
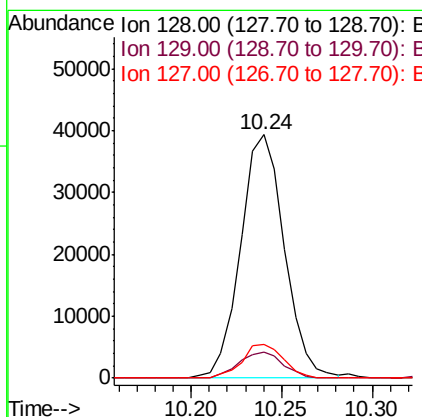


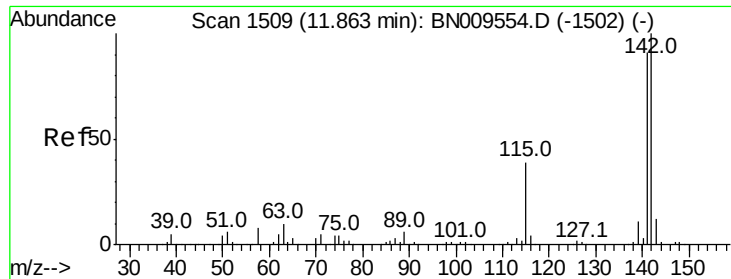
#28

Naphthalene

Concen: 2.077 ng/ul
 RT: 10.24 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BN009561.D
 Acq: 04 Feb 2020 13:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.7	13.1
127	13.8	10.7	16.1





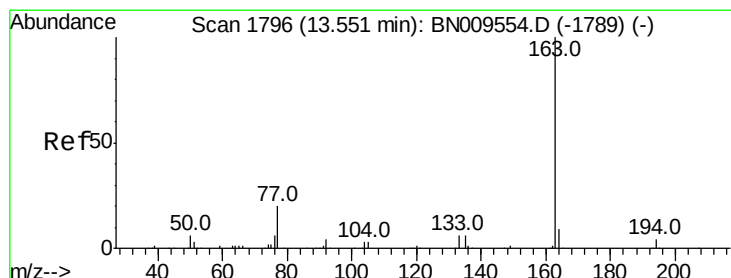
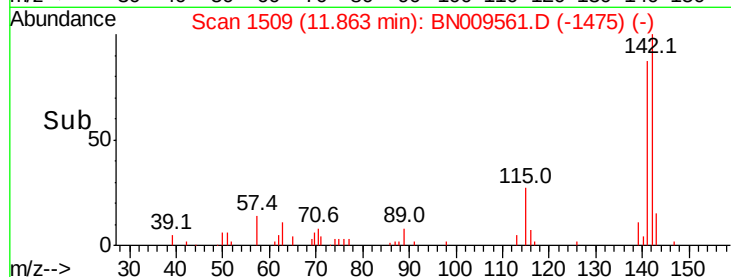
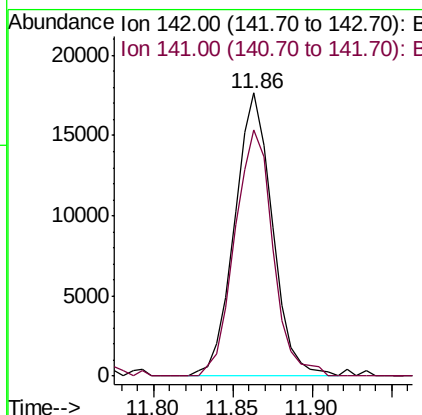
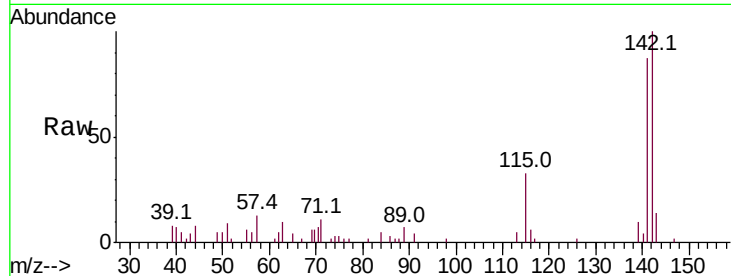
#34
 2-Methylnaphthalene
 Concen: 1.312 ng/ul
 RT: 11.86 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: BN009561.D
 Acq: 04 Feb 2020 13:14

Instrument :
 BNA_N
 ClientSampleId :
 B0AG6

Tot Ion:142 Resp: 29146
 Ion Ratio Lower Upper
 142 100
 141 87.1 71.5 107.3

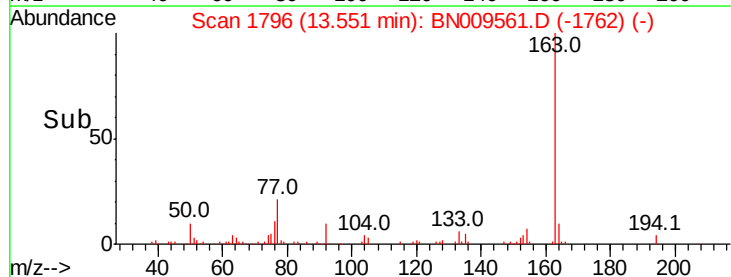
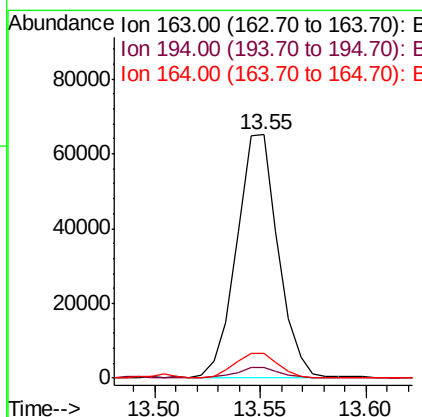
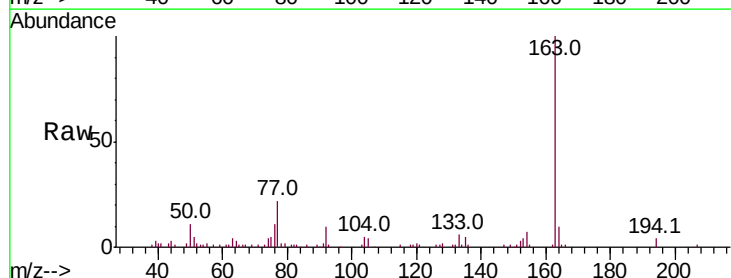
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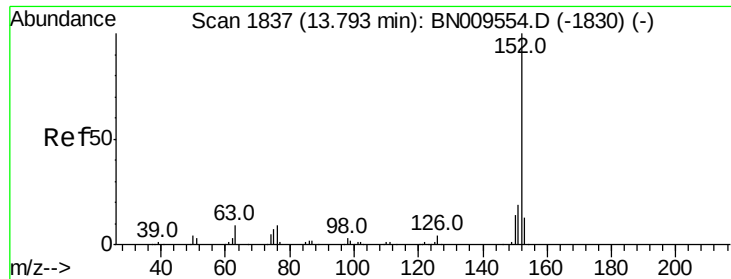
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#44
 Dimethylphthalate
 Concen: 3.175 ng/ul
 RT: 13.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: BN009561.D
 Acq: 04 Feb 2020 13:14

Tgt Ion:163 Resp: 89082
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.5 5.3
 164 10.3 8.0 12.0





#47

Acenaphthylene

Concen: 23.207 ng/ul

RT: 13.79 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Instrument :

BNA_N

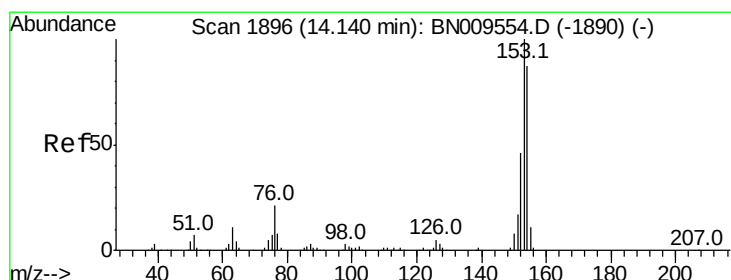
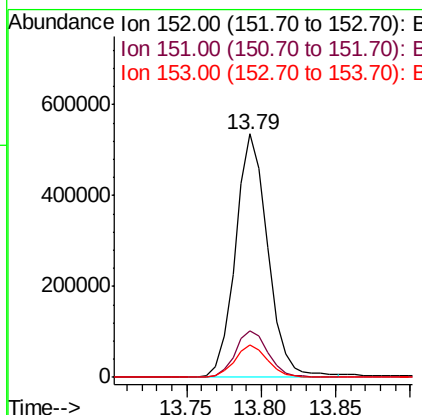
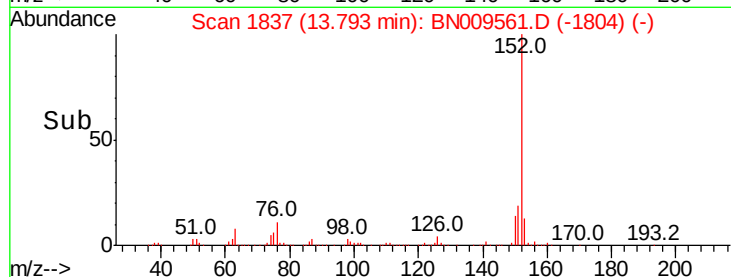
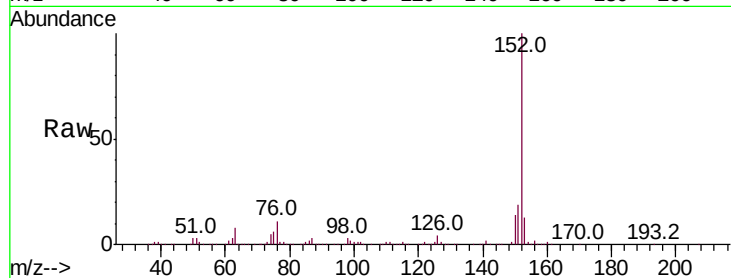
ClientSampleId :

B0AG6

Tot Ion:	152	Resp:	811337
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.2	24.2
153	13.5	10.6	15.8

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#49

Acenaphthene

Concen: 7.207 ng/ul

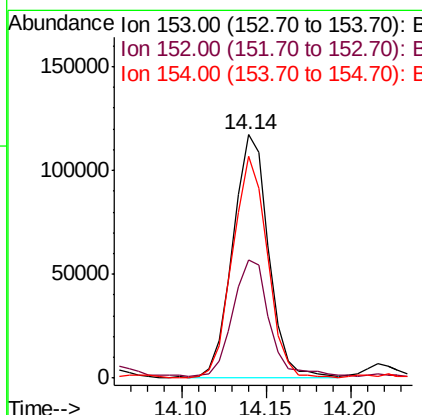
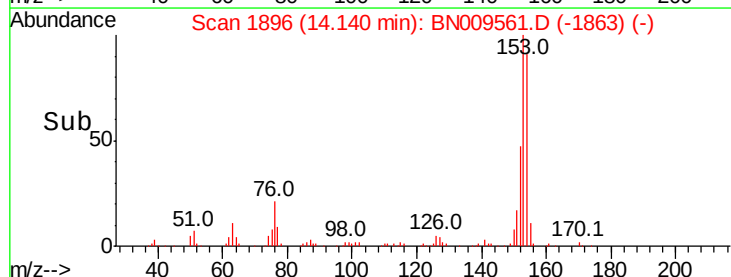
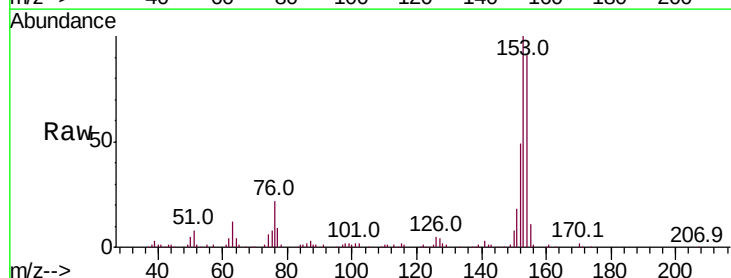
RT: 14.14 min Scan# 1896

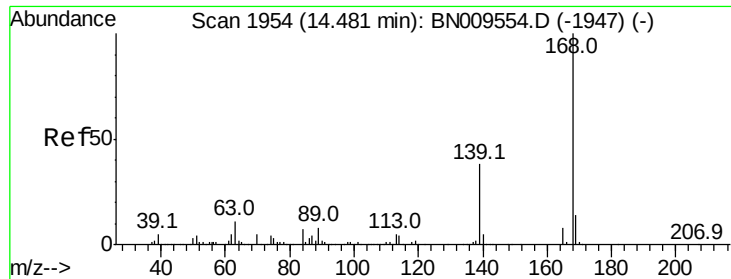
Delta R.T. -0.01 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Tgt Ion:	153	Resp:	171299
Ion Ratio	Lower	Upper	
153	100		
152	48.6	37.3	55.9
154	91.1	70.2	105.2





#53

Dibenzenofuran

Concen: 4.649 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Instrument :

BNA_N

ClientSampleId :

B0AG6

Tot Ion:168 Resp: 153848

Ion Ratio Lower Upper

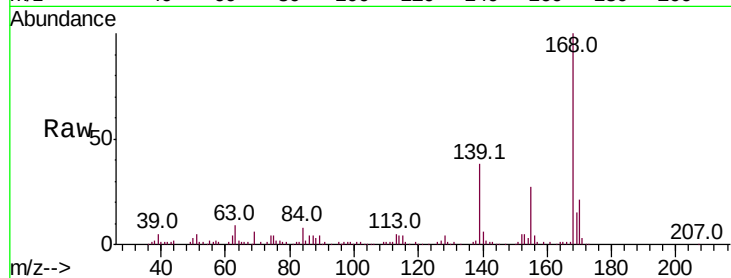
168 100

139 38.2 29.5 44.3

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

120000

100000

80000

60000

40000

20000

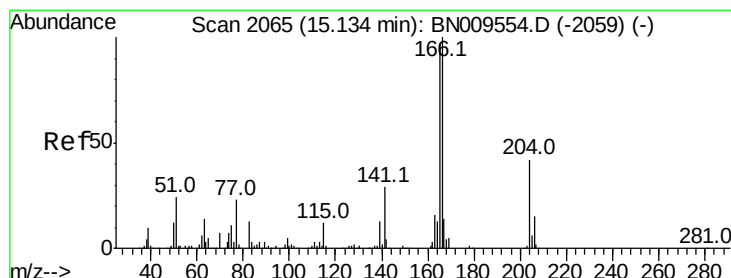
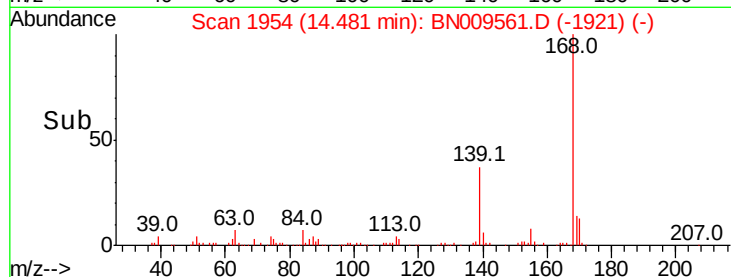
0

14.48

14.40

14.50

Time-->



#58

Fluorene

Concen: 8.492 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

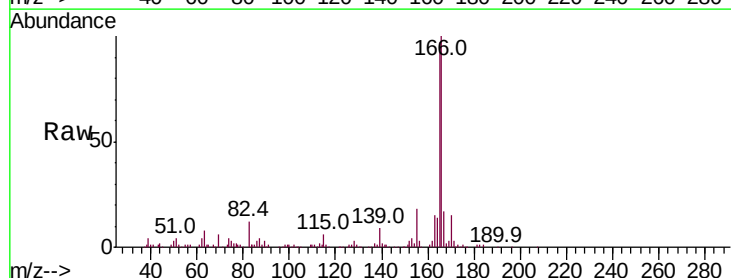
Tgt Ion:166 Resp: 234893

Ion Ratio Lower Upper

166 100

165 97.1 76.7 115.1

167 16.8 11.1 16.7#



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

200000

150000

100000

50000

0

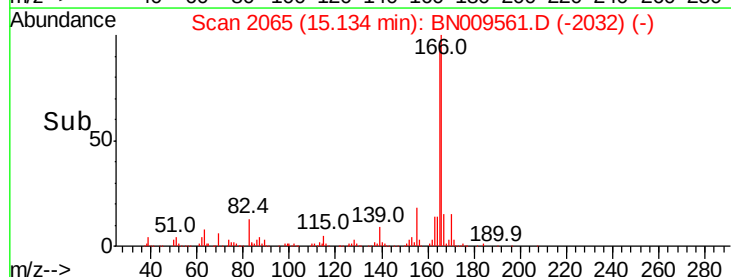
15.13

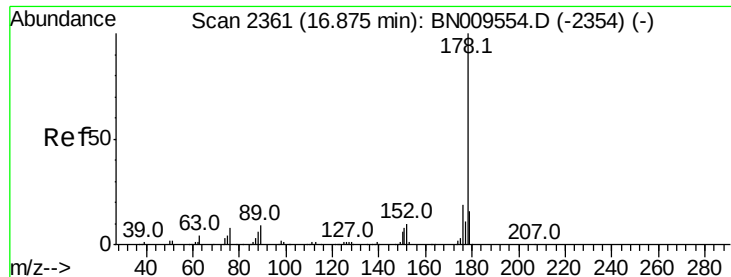
15.10

15.15

15.20

Time-->





#69

Phenanthrene

Concen: 169.165 ng/ul

RT: 16.88 min Scan# 2362

Delta R.T. 0.01 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Instrument :

BNA_N

ClientSampleId :

B0AG6

Tot Ion:178 Resp: 7735050

Ion Ratio Lower Upper

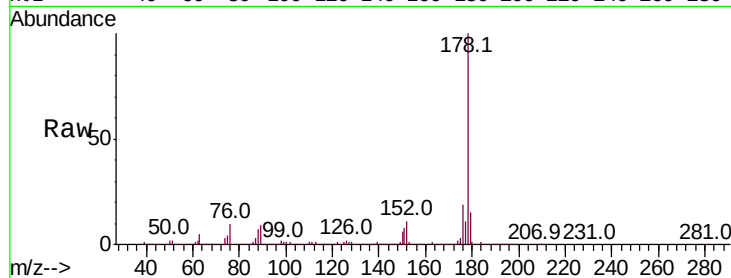
178 100

179 15.1 12.2 18.2

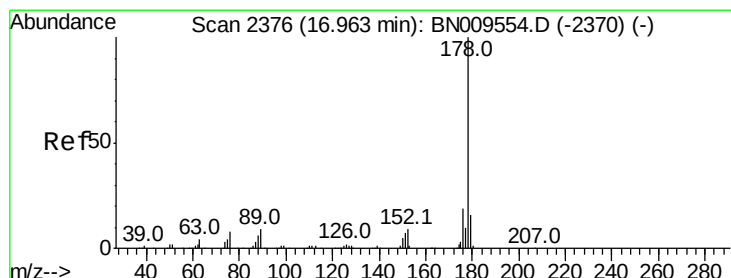
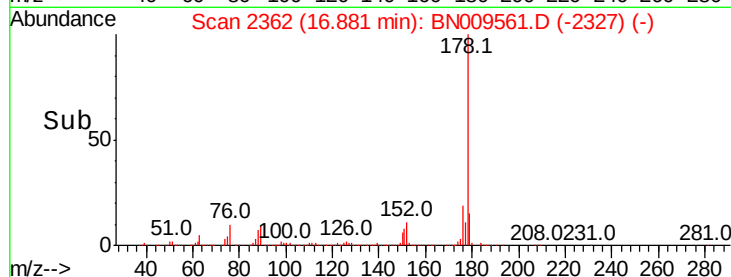
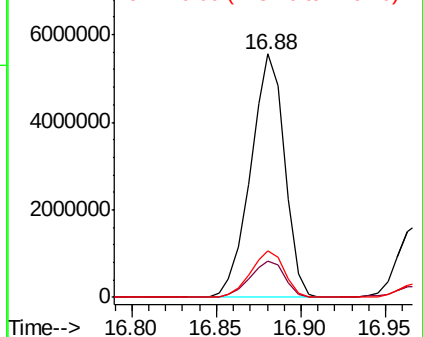
176 19.3 14.8 22.2

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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



#71

Anthracene

Concen: 47.932 ng/ul

RT: 16.97 min Scan# 2377

Delta R.T. 0.00 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

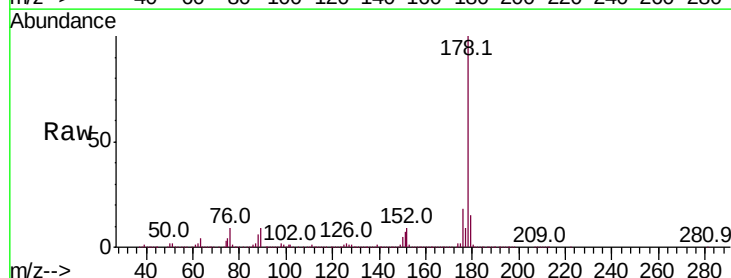
Tgt Ion:178 Resp: 2223834

Ion Ratio Lower Upper

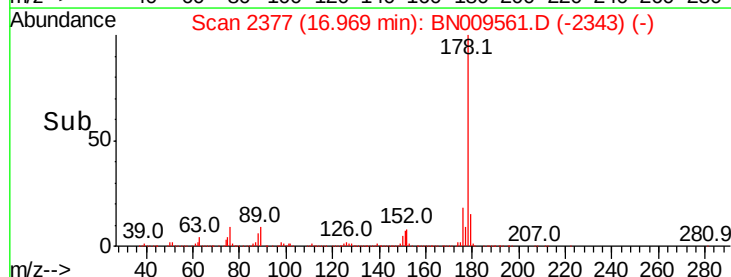
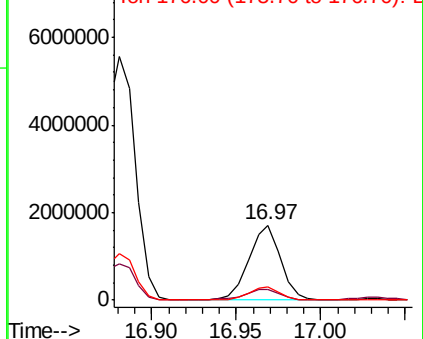
178 100

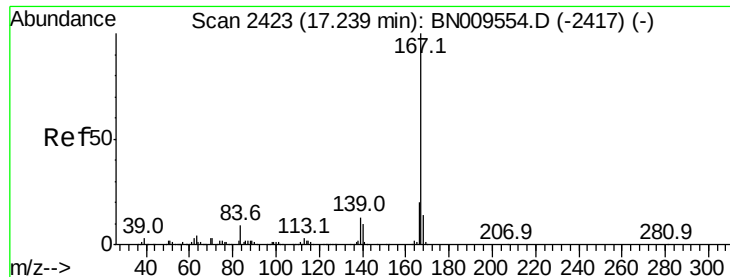
179 14.8 12.1 18.1

176 17.7 14.6 21.8



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





#74

Carbazole

Concen: 5.662 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Instrument :

BNA_N

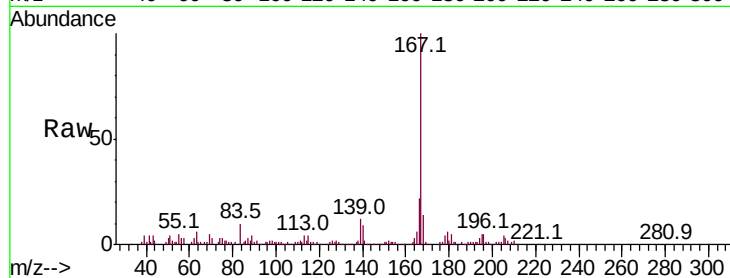
ClientSampleId :

B0AG6

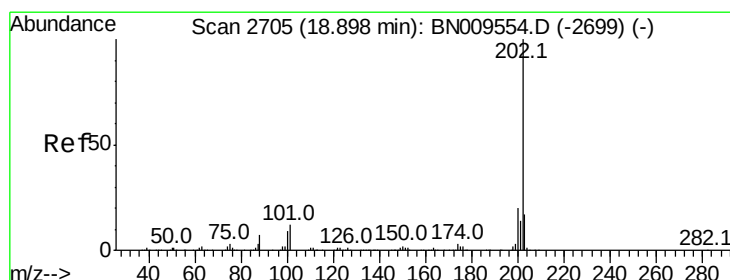
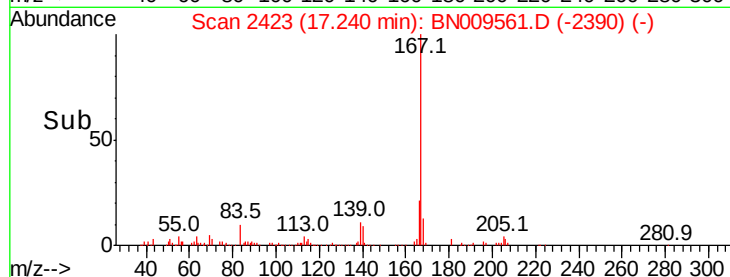
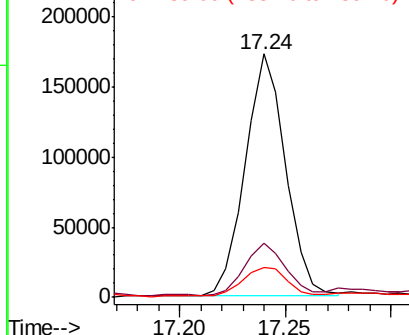
Tot Ion:	167	Resp:	228709
Ion Ratio	Lower	Upper	
167	100		
166	22.3	16.2	24.4
139	12.5	10.4	15.6

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 262.132 ng/ul m

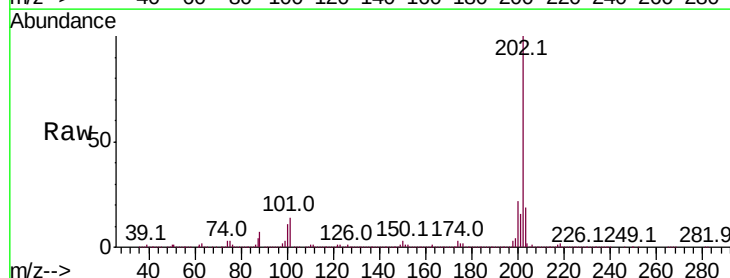
RT: 18.92 min Scan# 2708

Delta R.T. 0.01 min

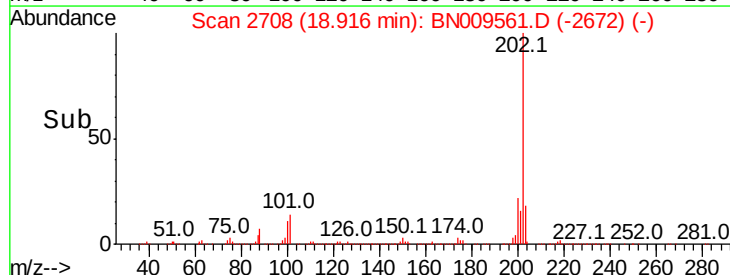
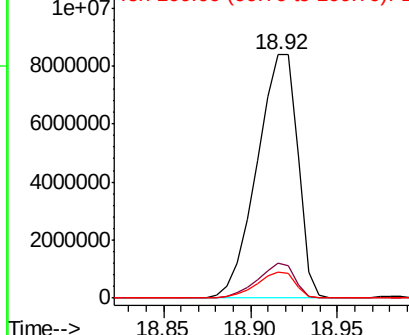
Lab File: BN009561.D

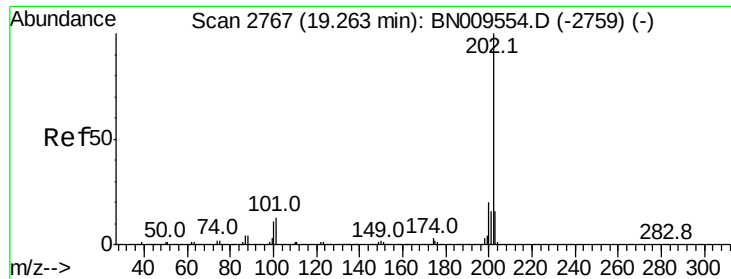
Acq: 04 Feb 2020 13:14

Tgt Ion:	202	Resp:	13679821
Ion Ratio	Lower	Upper	
202	100		
101	14.2	9.2	13.8#
100	10.8	6.9	10.3#



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

Pvrene

Concen: 234.516 ng/ul m

RT: 19.28 min Scan# 2770

Delta R.T. 0.01 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Instrument :

BNA_N

ClientSampled :

B0AG6

Tot Ion:202 Resp:12262541

Ion Ratio Lower Upper

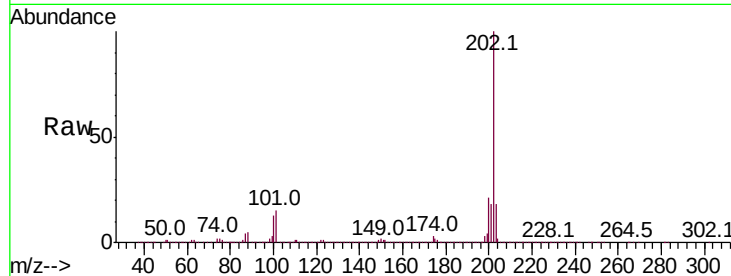
202 100

101 15.2 10.3 15.5

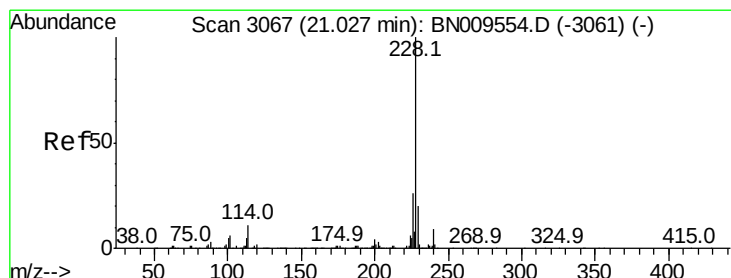
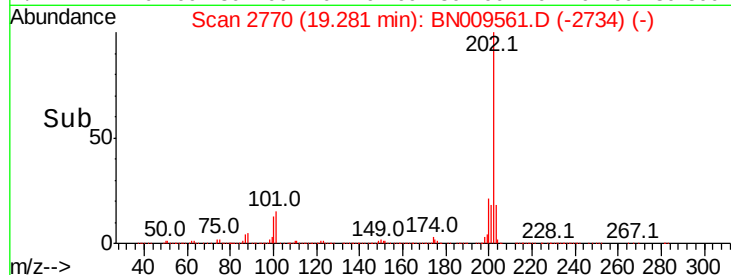
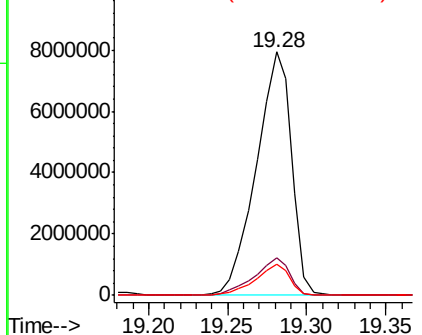
100 12.7 8.4 12.6#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 158.227 ng/ul m

RT: 21.04 min Scan# 3069

Delta R.T. 0.01 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Tgt Ion:228 Resp: 7825210

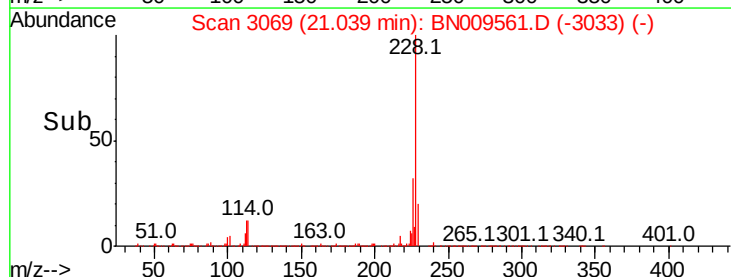
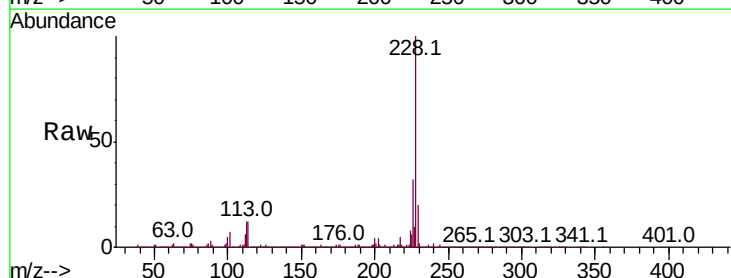
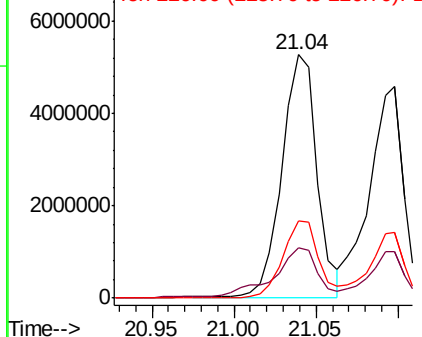
Ion Ratio Lower Upper

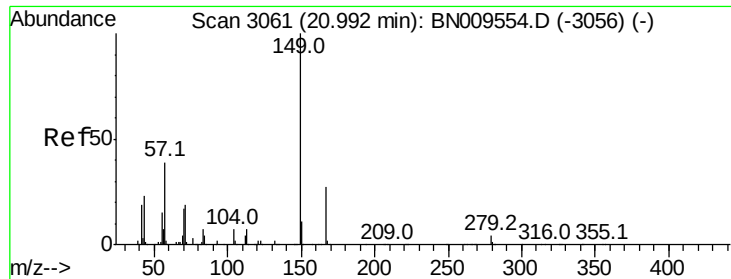
228 100

229 20.4 15.0 22.4

226 31.9 20.9 31.3#

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 1.878 ng/ul

RT: 20.99 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Instrument :

BNA_N

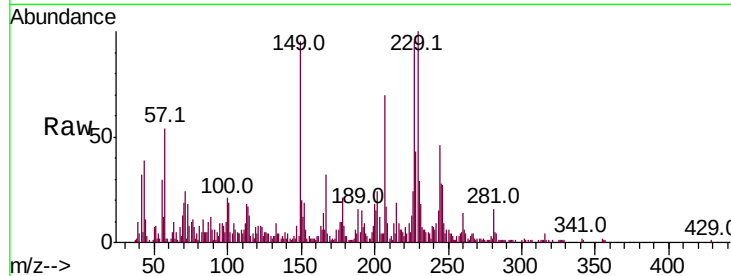
ClientSampleId :

B0AG6

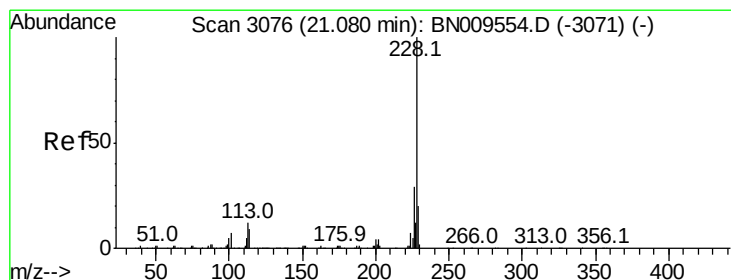
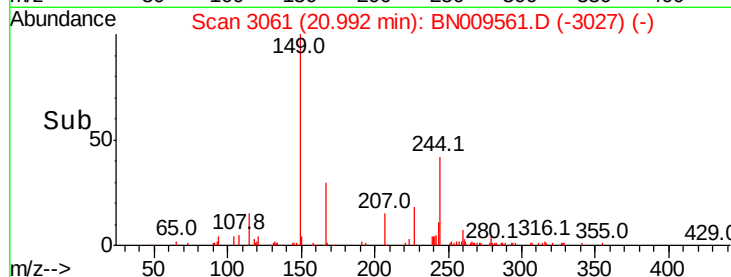
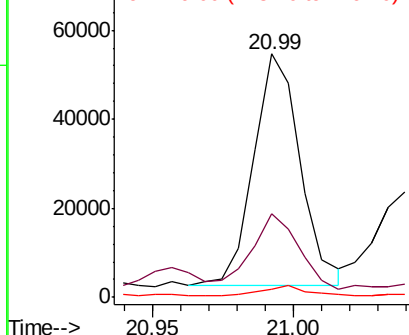
Tot Ion:	149	Resp:	59273
Ion Ratio	Lower	Upper	
149	100		
167	34.3	22.1	33.1#
279	3.3	3.3	4.9#

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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



#84

Chrysene

Concen: 133.688 ng/ul

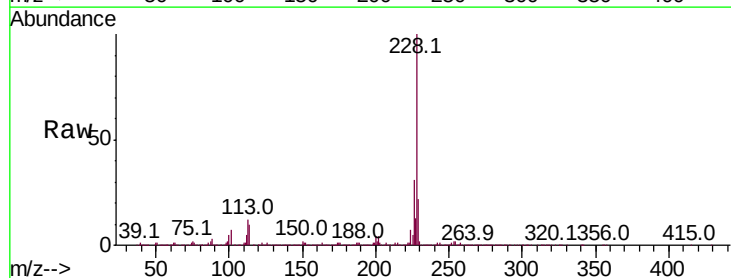
RT: 21.10 min Scan# 3079

Delta R.T. 0.02 min

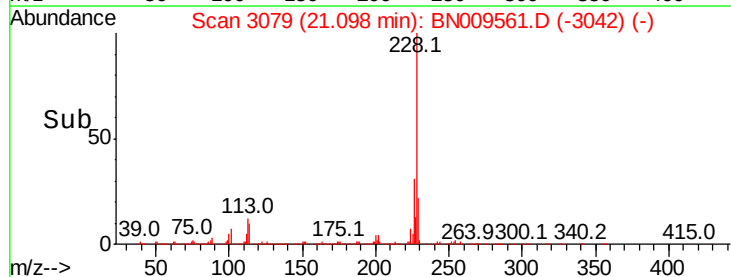
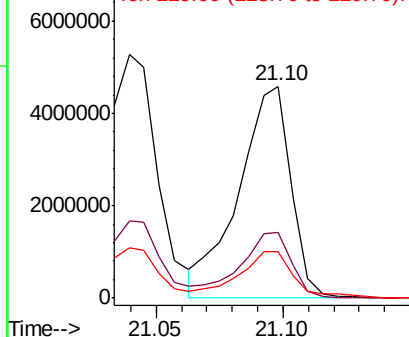
Lab File: BN009561.D

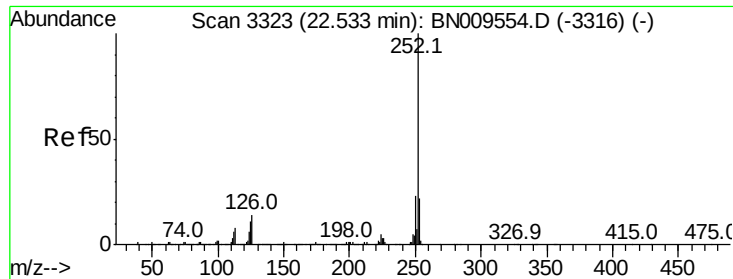
Acq: 04 Feb 2020 13:14

Tgt Ion:	228	Resp:	6582047
Ion Ratio	Lower	Upper	
228	100		
226	31.2	23.5	35.3
229	22.0	15.8	23.8



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





#87

Benzo(b)fluoranthene

Concen: 158.615 ng/ul

RT: 22.56 min Scan# 3328

Delta R.T. 0.03 min

Lab File: BN009561.D

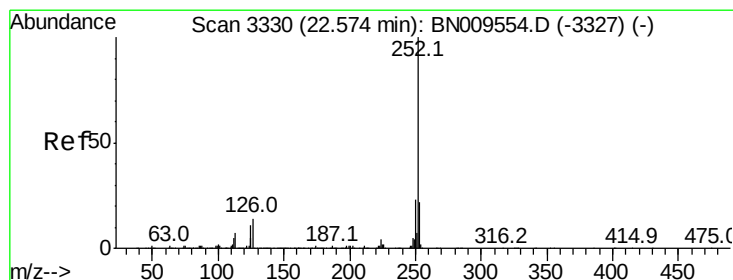
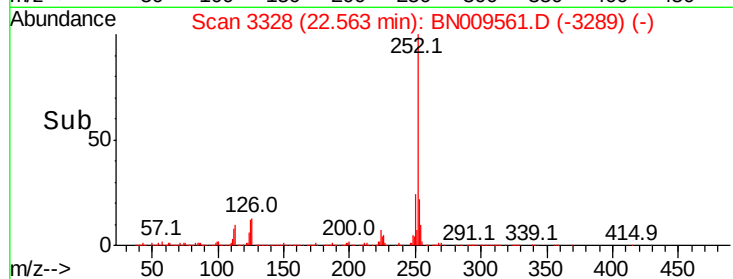
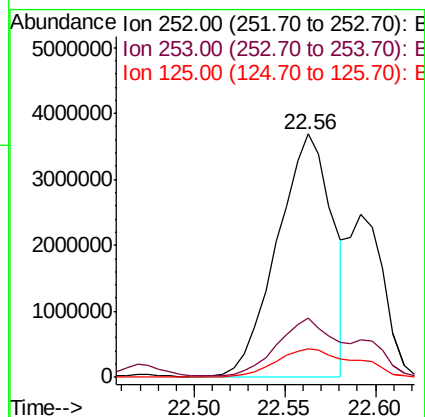
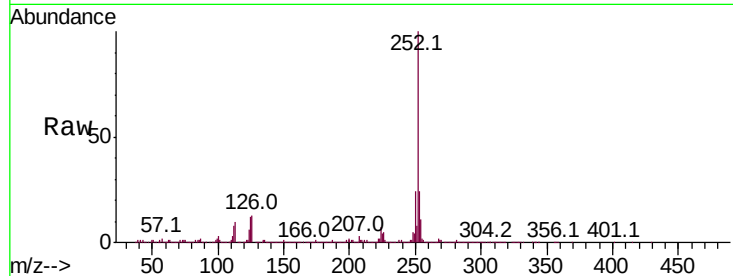
Acq: 04 Feb 2020 13:14

Instrument :
BNA_N
ClientSampleId :
B0AG6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	11.9	8.2	12.2

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#88

Benzo(k)fluoranthene

Concen: 69.139 ng/ul m

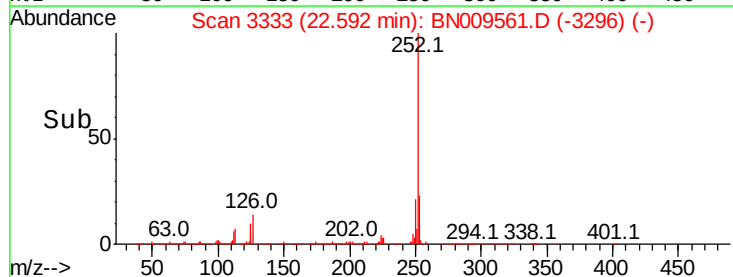
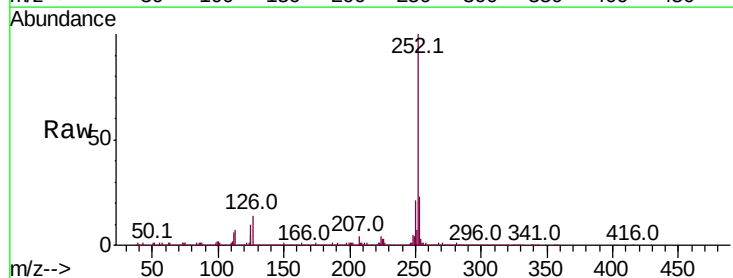
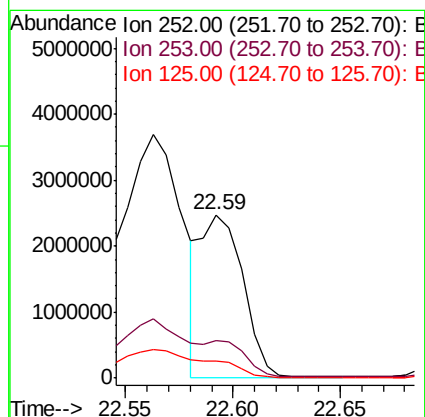
RT: 22.59 min Scan# 3333

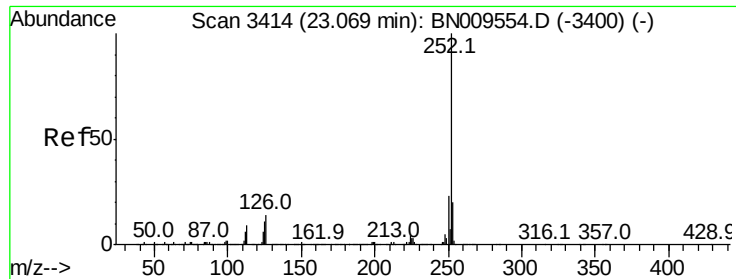
Delta R.T. 0.02 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	10.4	8.0	12.0





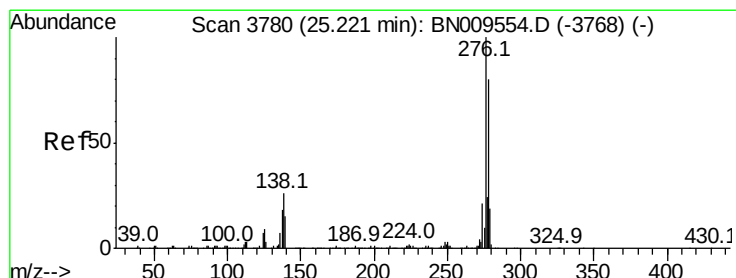
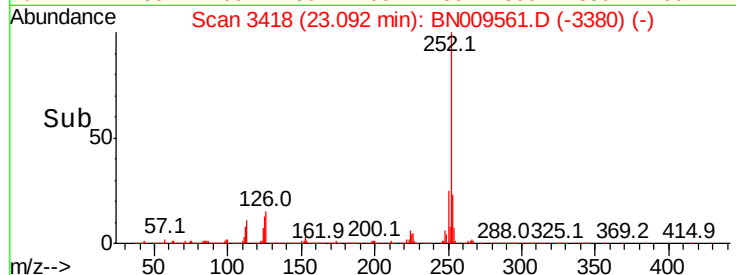
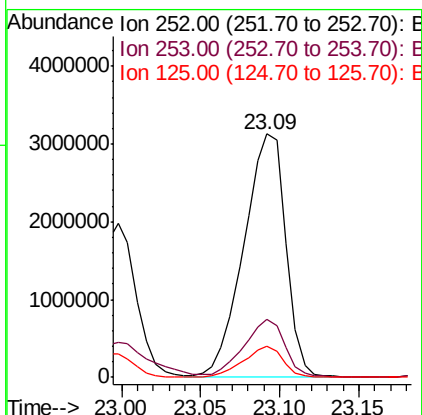
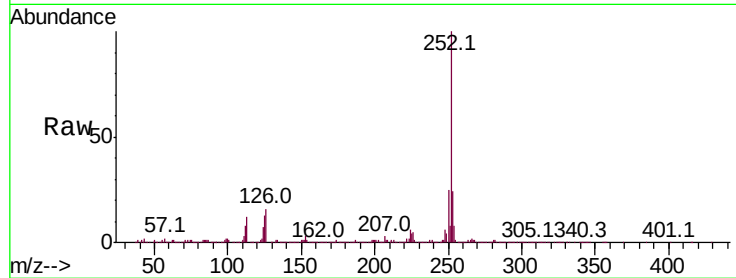
#90
Benzo(a)pyrene
Concen: 126.998 ng/ul m
RT: 23.09 min Scan# 3418
Delta R.T. 0.02 min
Lab File: BN009561.D
Acq: 04 Feb 2020 13:14

Instrument :
BNA_N
ClientSampleId :
B0AG6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	15.8	23.8#
125	12.7	8.7	13.1

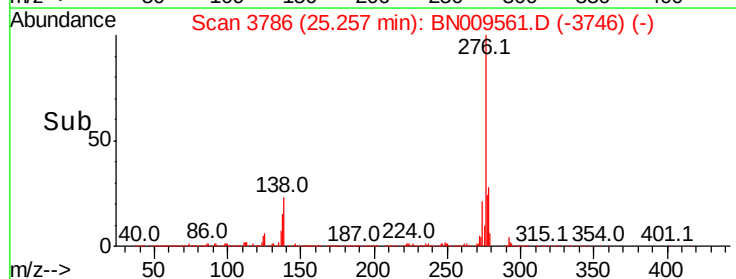
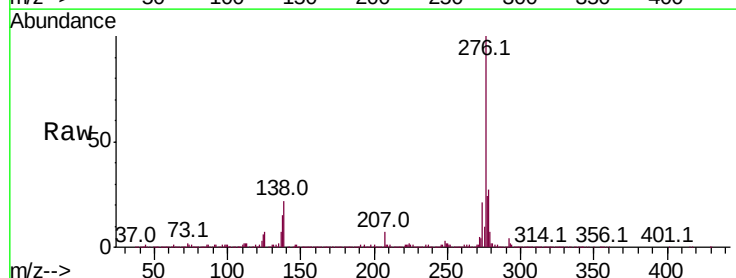
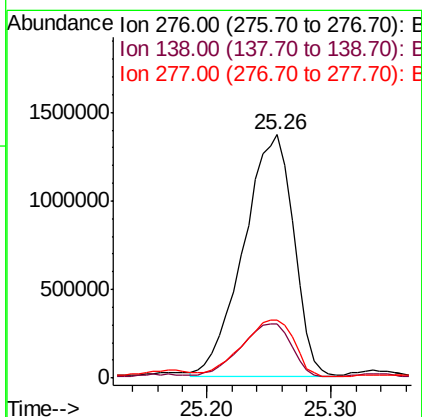
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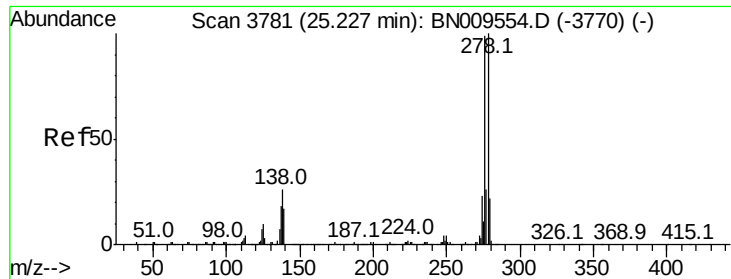
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#91
Indeno(1,2,3-cd)pyrene
Concen: 70.261 ng/ul m
RT: 25.26 min Scan# 3786
Delta R.T. 0.04 min
Lab File: BN009561.D
Acq: 04 Feb 2020 13:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.3	30.5
277	24.0	21.2	31.8





#92

Dibenzo(a,h)anthracene

Concen: 25.391 ng/ul m

RT: 25.25 min Scan# 3785

Delta R.T. 0.02 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Instrument :

BNA_N

ClientSampled :

B0AG6

Tot Ion:278 Resp: 1159486

Ion Ratio Lower Upper

278 100

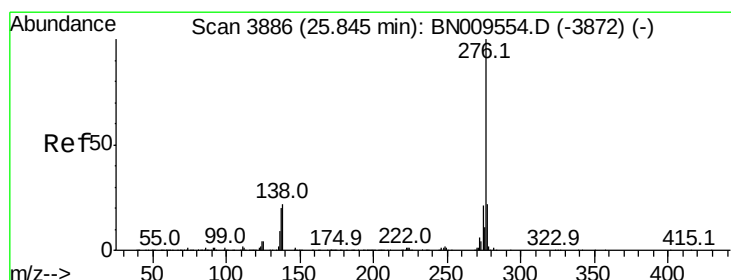
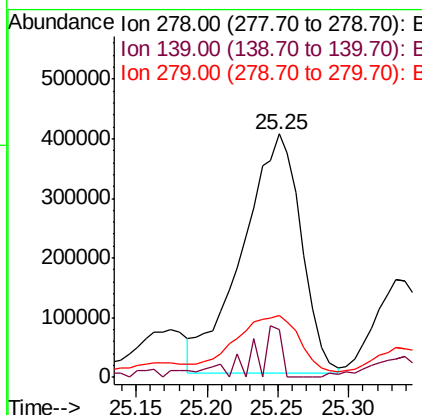
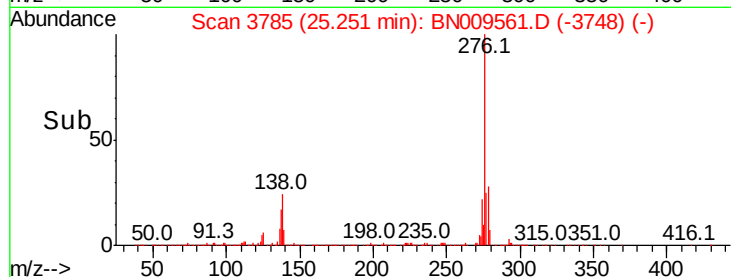
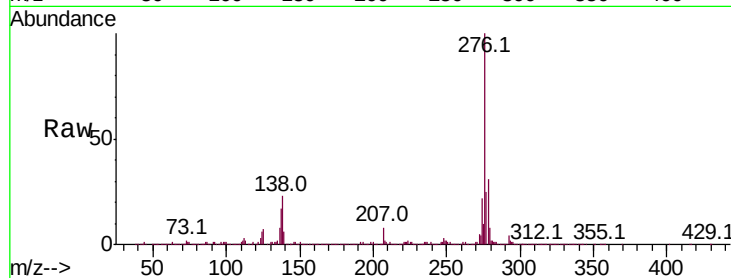
139 19.7 12.7 19.1#

279 25.5 19.8 29.8

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 64.627 ng/ul m

RT: 25.88 min Scan# 3892

Delta R.T. 0.03 min

Lab File: BN009561.D

Acq: 04 Feb 2020 13:14

Tgt Ion:276 Resp: 2938396

Ion Ratio Lower Upper

276 100

138 22.8 16.0 24.0

277 24.9 17.0 25.6

