

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
 Data File : BN005550.D
 Acq On : 09 May 2019 01:46
 Operator : JU/SJ
 Sample : K2604-21 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ92

Manual Integrations
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 5/9/2019 2:35:35 PM

Quant Time: May 09 06:41:45 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	7.59	152	308004	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1351172	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	835982	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1870232m	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1394895m	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1375746	20.00	ng/ul	0.00

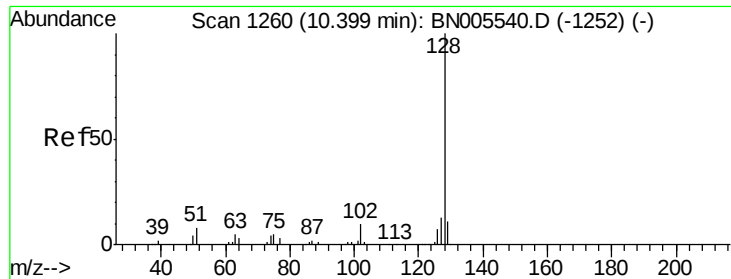
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	1940	0.30	ng/uL	0.00
5) Phenol-d5	6.78	99	38270	1.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	24425	1.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	33339	1.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	31227	1.65	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	20589	2.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	17177	2.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	33668	1.74	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	37703	1.89	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	129718	2.14	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	151130	2.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	4201m	0.44	ng/ul	0.00
57) Fluorene-d10	15.22	176	111358	2.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	293m	0.03	ng/ul	0.00
70) Anthracene-d10	17.09	188	163833	2.09	ng/ul	0.00
78) Pyrene-d10	19.40	212	172276	2.41	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	120004	2.00	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.41	128	11454379	182.355	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	9770952	212.444	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	2561938	41.130	ng/ul	99
47) Acenaphthylene	13.95	152	10857875	148.233	ng/ul	95
49) Acenaphthene	14.29	153	899664	17.991	ng/ul	98
53) Dibenzofuran	14.63	168	1039204	14.434	ng/ul	99
58) Fluorene	15.30	166	806545	14.356	ng/ul#	56
69) Phenanthrene	17.03	178	21750893m	238.802	ng/ul	
71) Anthracene	17.12	178	7751720	83.544	ng/ul	99
76) Fluoranthene	19.07	202	12709924	125.805	ng/ul	99
79) Pyrene	19.43	202	15951553	177.609	ng/ul	97
82) Benzo(a)anthracene	21.20	228	6054595m	69.772	ng/ul	
84) Chrysene	21.25	228	4957220	61.552	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	3812325	49.297	ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	810045m	10.967	ng/ul	
90) Benzo(a)pyrene	23.33	252	4173450m	57.414	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.60	276	1547332	19.253	ng/ul#	92
92) Dibenzo(a,h)anthracene	25.60	278	452095	6.628	ng/ul#	83
93) Benzo(g,h,i)perylene	26.27	276	1606957	24.182	ng/ul	94

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



#28

Naphthalene

Concen: 182.355 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. 0.01 min

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Instrument :

BNA_N

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GAJ92

Tot Ion:128 Resp:11454379

Ion Ratio Lower Upper

128 100

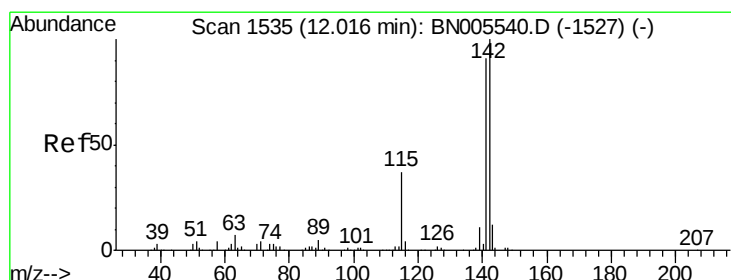
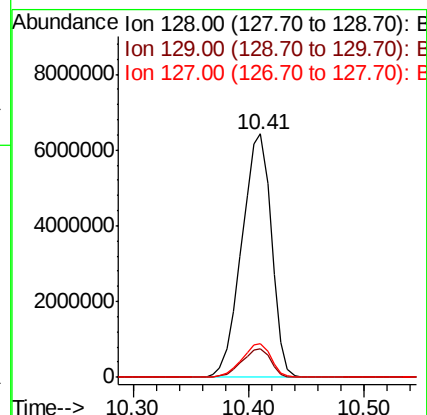
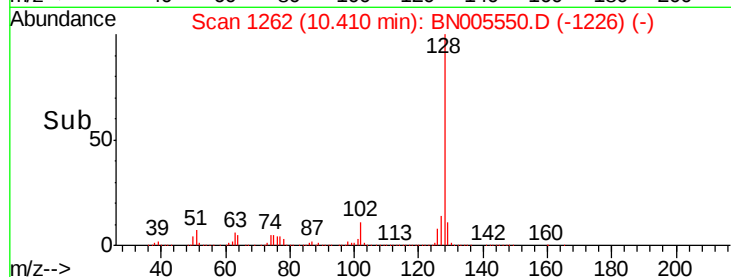
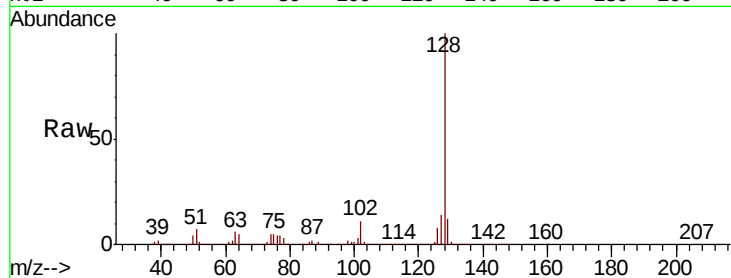
129 11.5 9.2 13.8

127 14.1 10.7 16.1

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#34

2-Methylnaphthalene

Concen: 212.444 ng/ul

RT: 12.03 min Scan# 1538

Delta R.T. 0.02 min

Lab File: BN005550.D

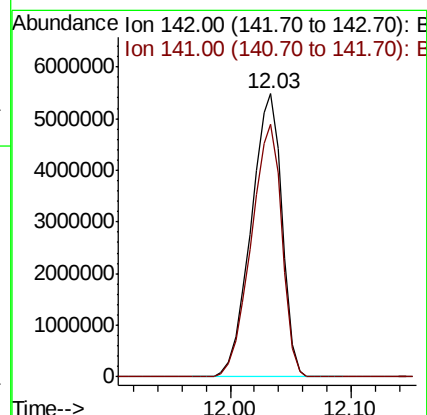
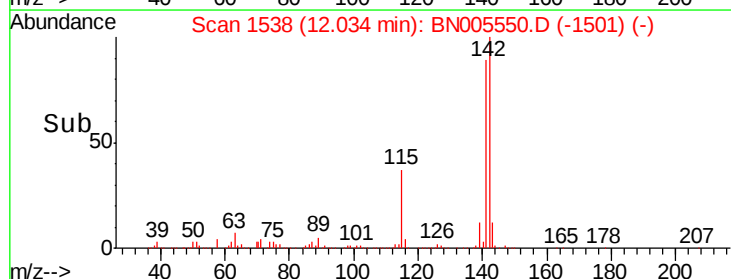
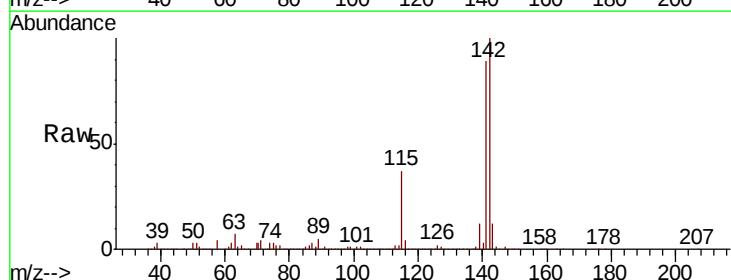
Acq: 09 May 2019 01:46

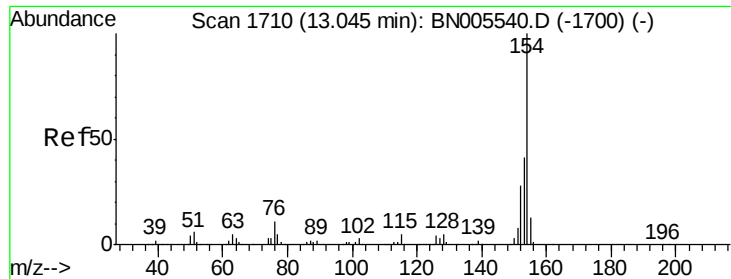
Tgt Ion:142 Resp: 9770952

Ion Ratio Lower Upper

142 100

141 89.2 72.0 108.0





#40

1,1'-Biphenyl

Concen: 41.130 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BN005550.D

Acq: 09 May 2019 01:46

Instrument :

BNA_N

ClientSampleId :

GAJ92

Tot Ion:154 Resp: 2561938

Ion Ratio Lower Upper

154 100

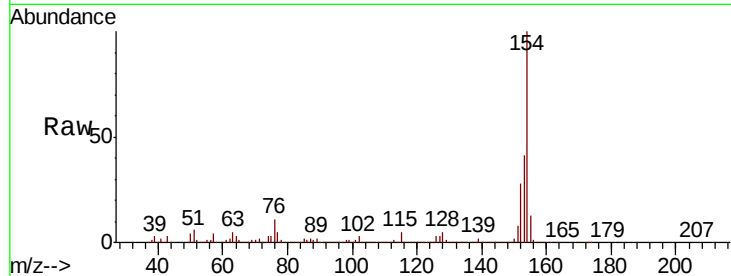
153 41.0 32.6 49.0

76 11.1 10.4 15.6

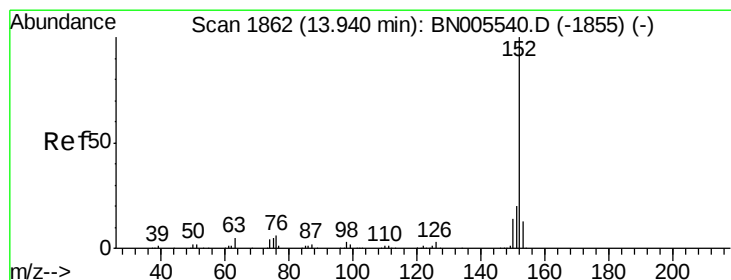
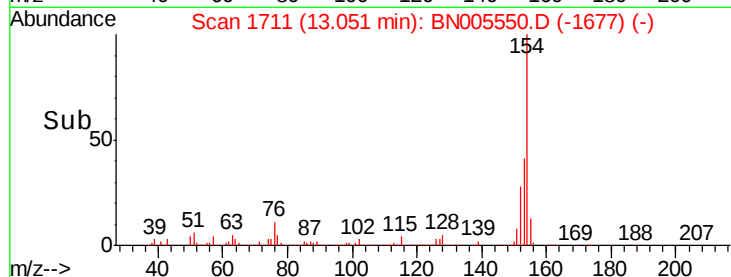
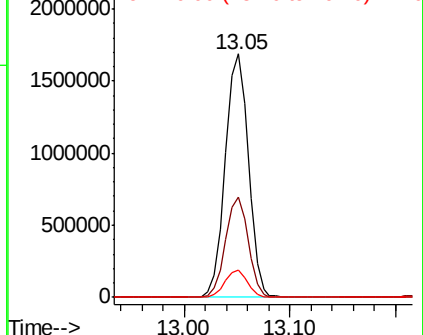
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC



#47

Acenaphthylene

Concen: 148.233 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BN005550.D

Acq: 09 May 2019 01:46

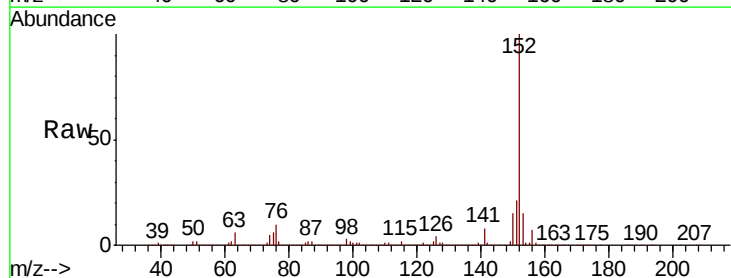
Tgt Ion:152 Resp:10857875

Ion Ratio Lower Upper

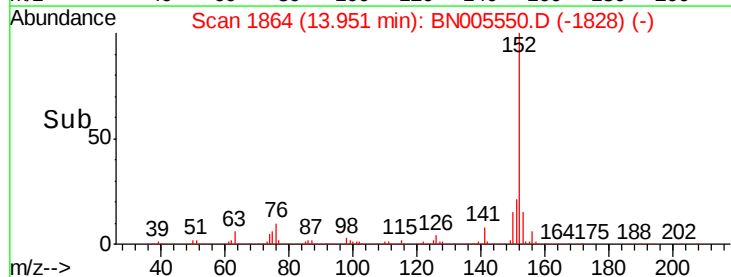
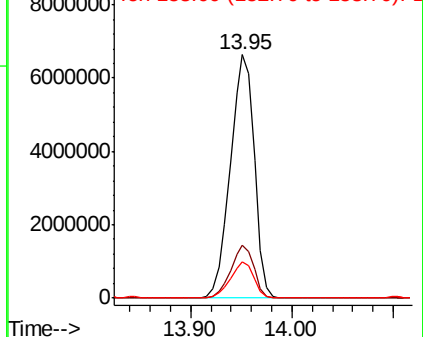
152 100

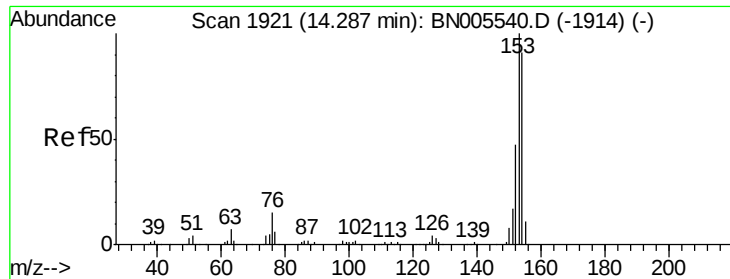
151 21.5 15.8 23.8

153 14.7 9.8 14.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 17.991 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BN005550.D

Acq: 09 May 2019 01:46

Instrument :

BNA_N

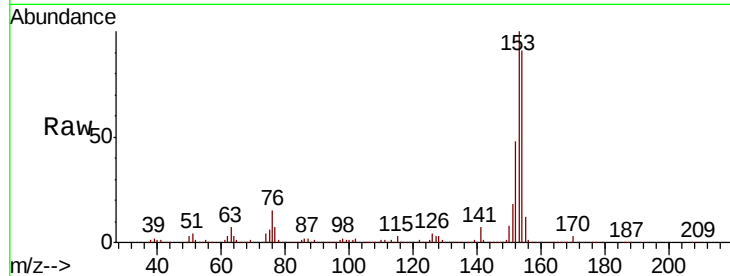
ClientSampleId :

GAJ92

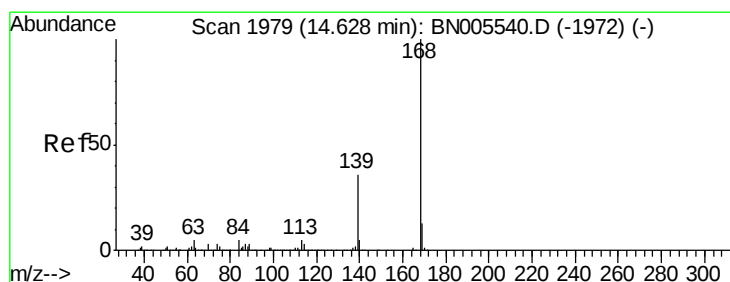
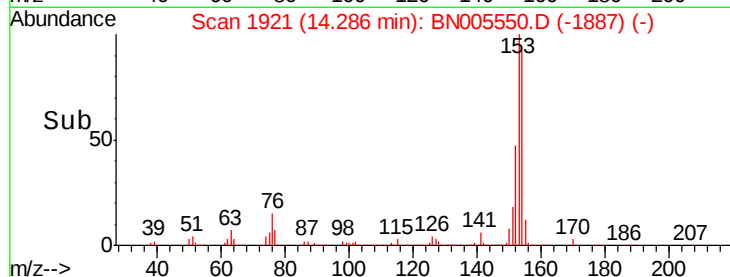
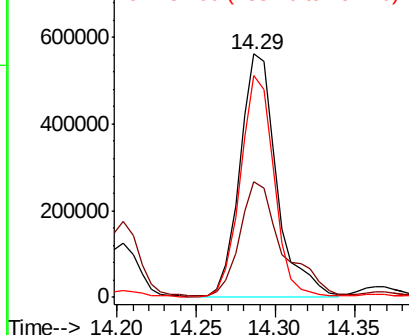
Tot Ion:	153	Resp:	899664
Ion Ratio	Lower	Upper	
153	100		
152	47.6	37.4	56.0
154	90.9	71.2	106.8

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 14.434 ng/ul

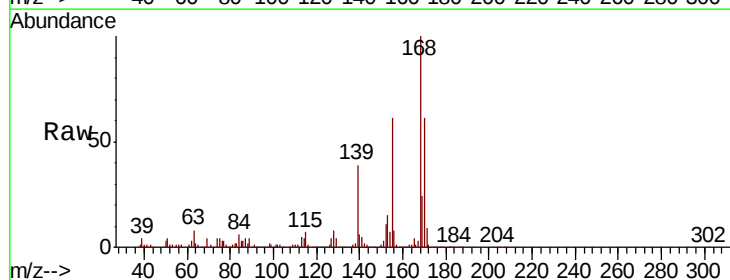
RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

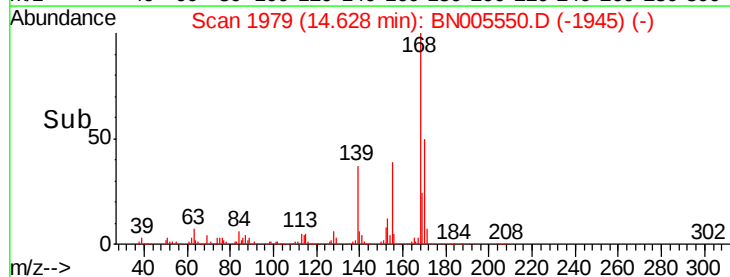
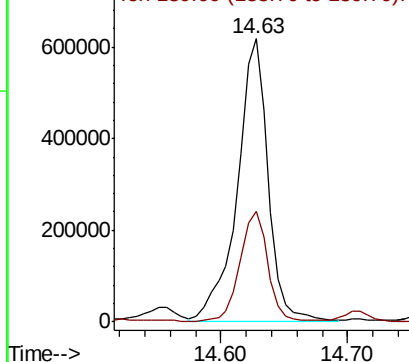
Lab File: BN005550.D

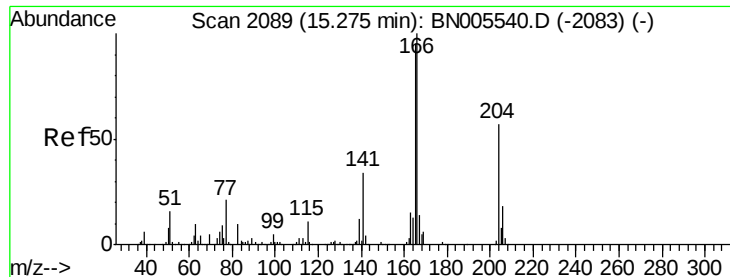
Acq: 09 May 2019 01:46

Tgt Ion:	168	Resp:	1039204
Ion Ratio	Lower	Upper	
168	100		
139	38.9	30.9	46.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 14.356 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BN005550.D

Acq: 09 May 2019 01:46

Instrument :

BNA_N

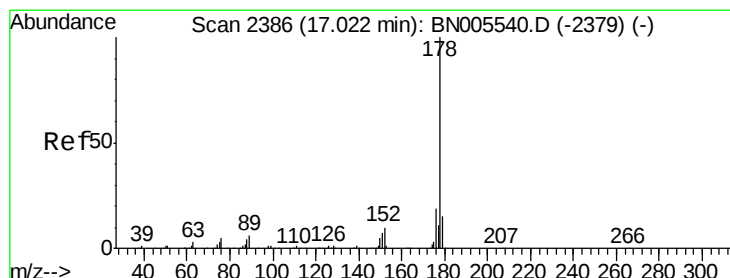
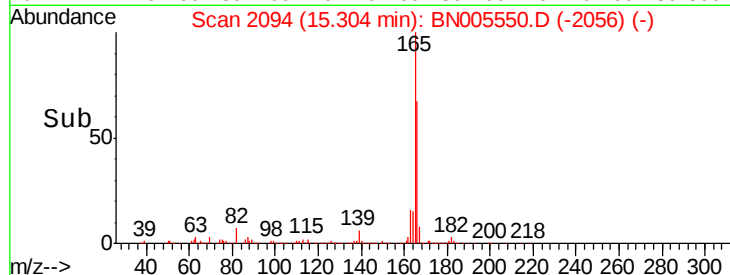
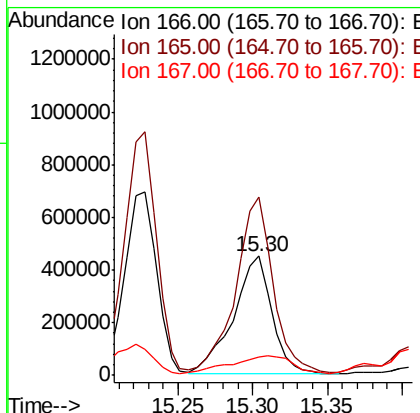
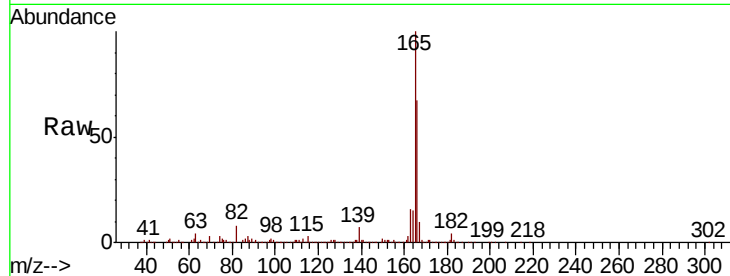
ClientSampled :

GAJ92

Tot Ion	Ratio	Lower	Upper
166	100		
165	149.4	80.0	120.0#
167	15.5	10.7	16.1

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#69

Phenanthrene

Concen: 238.802 ng/ul m

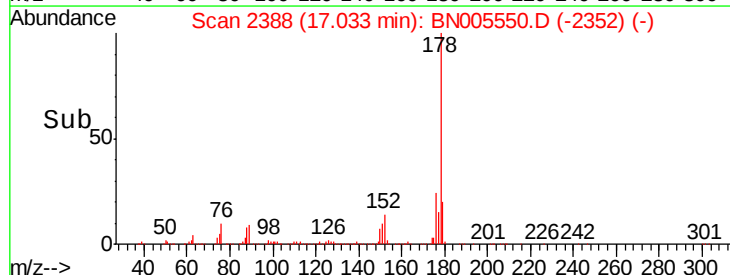
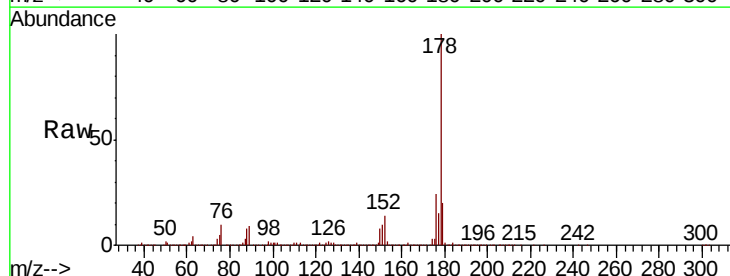
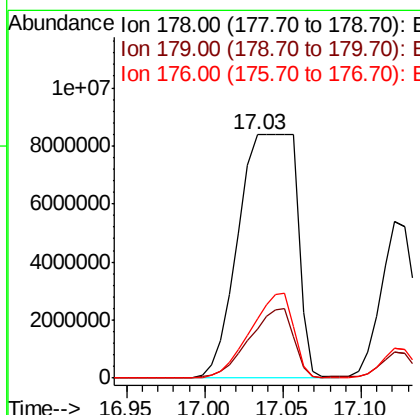
RT: 17.03 min Scan# 2388

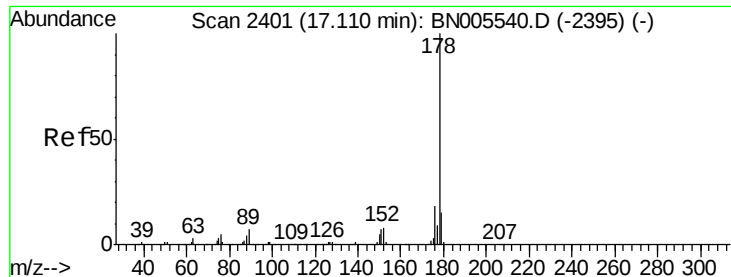
Delta R.T. 0.01 min

Lab File: BN005550.D

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Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.3	12.2	18.4#
176	24.4	15.1	22.7#





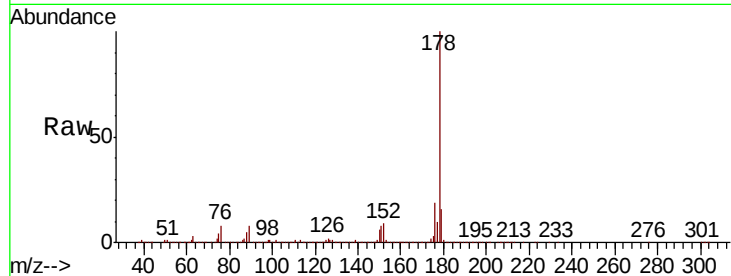
#71
 Anthracene
 Concen: 83.544 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BN005550.D
 Acq: 09 May 2019 01:46

Instrument :
 BNA_N
 ClientSampleId :
 GAJ92

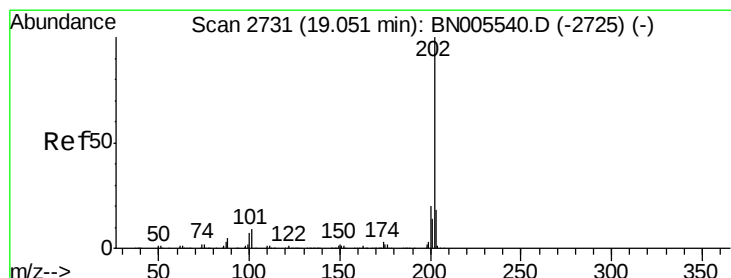
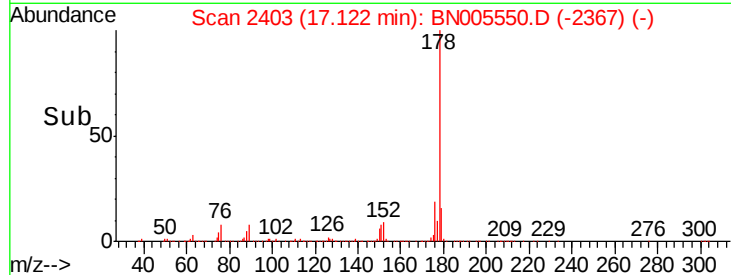
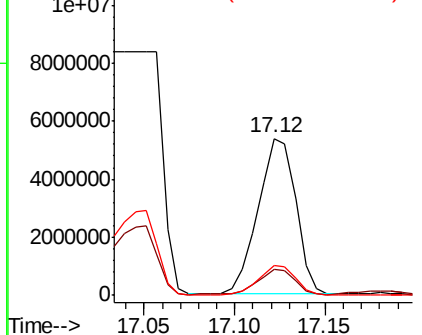
Tot Ion:178 Resp: 7751720
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.3 18.5
 176 19.2 15.1 22.7

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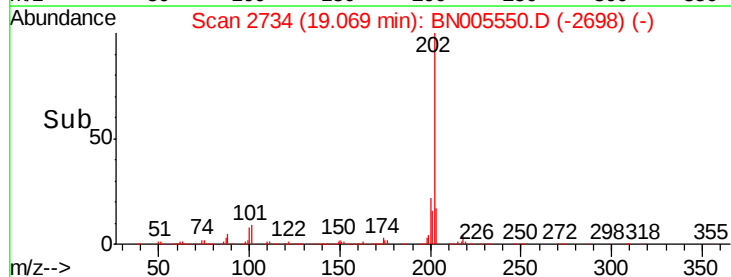
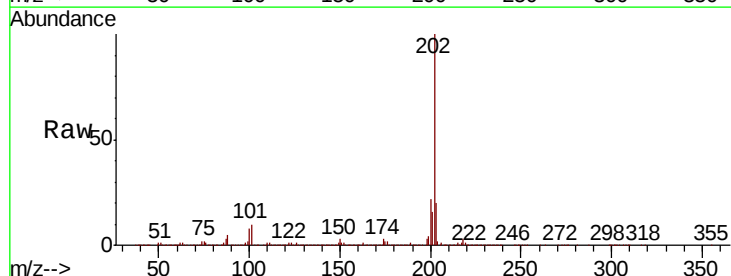
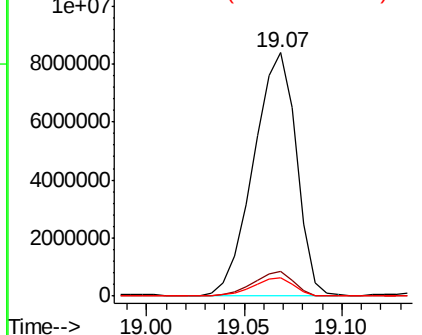
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

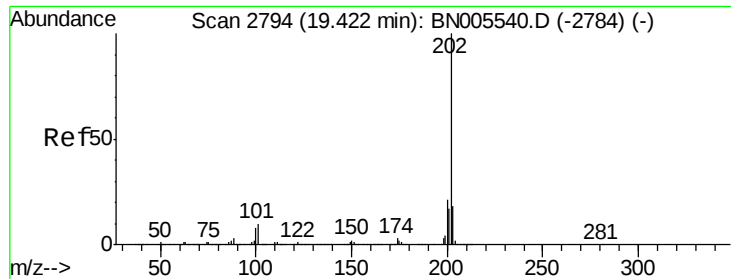


#76
 Fluoranthene
 Concen: 125.805 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BN005550.D
 Acq: 09 May 2019 01:46

Tgt Ion:202 Resp:12709924
 Ion Ratio Lower Upper
 202 100
 101 10.3 8.6 12.8
 100 7.8 6.3 9.5

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: 177.609 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005550.D

Acq: 09 May 2019 01:46

Instrument :

BNA_N

ClientSampled :

GAJ92

Tot Ion:202 Resp:15951553

Ion Ratio Lower Upper

202 100

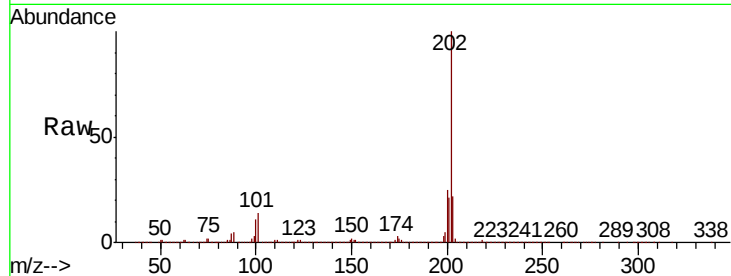
101 14.0 10.3 15.5

100 11.4 7.9 11.9

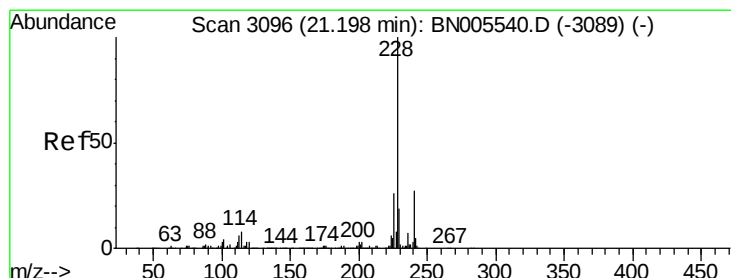
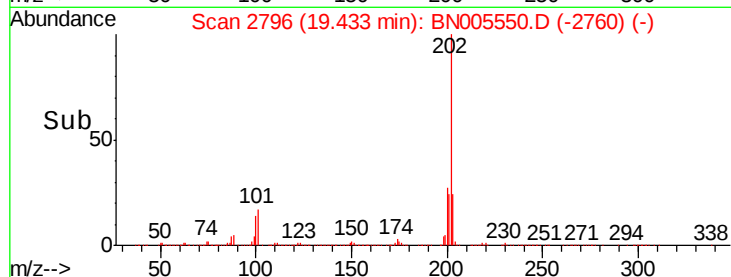
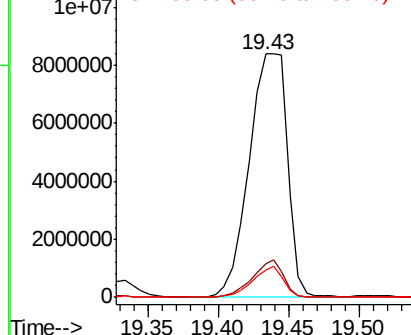
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 69.772 ng/ul m

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BN005550.D

Acq: 09 May 2019 01:46

Tgt Ion:228 Resp: 6054595

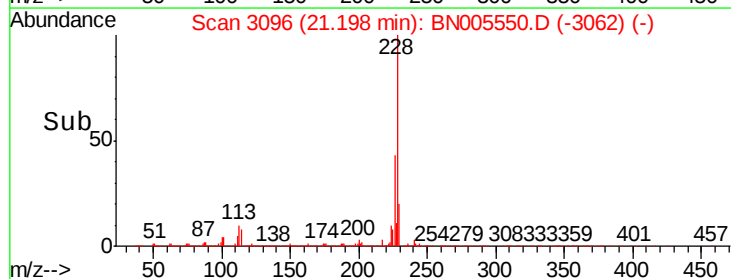
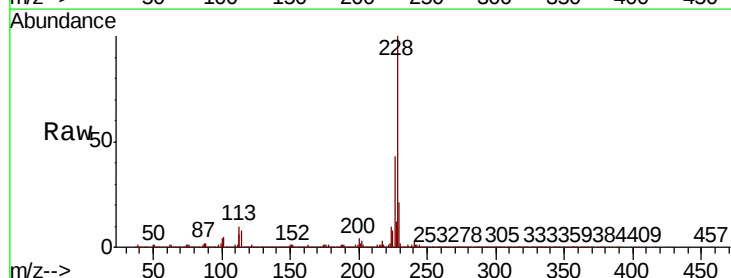
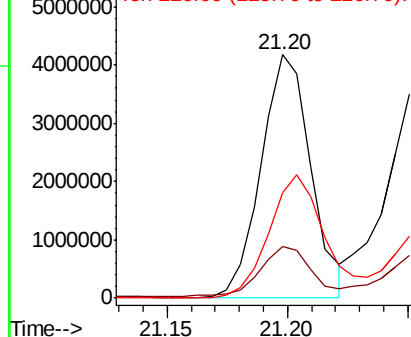
Ion Ratio Lower Upper

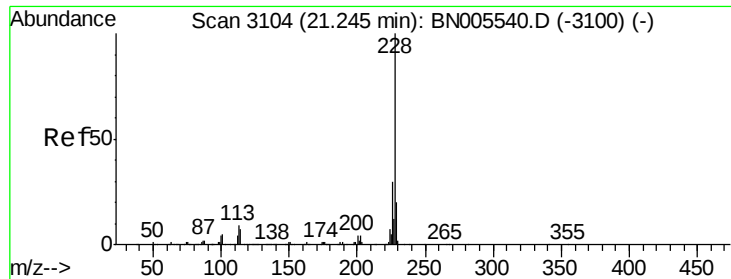
228 100

229 21.0 15.8 23.6

226 43.2 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: 61.552 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN005550.D

Acq: 09 May 2019 01:46

Instrument :

BNA_N

ClientSampled :

GAJ92

Tot Ion:228 Resp: 4957220

Ion Ratio Lower Upper

228 100

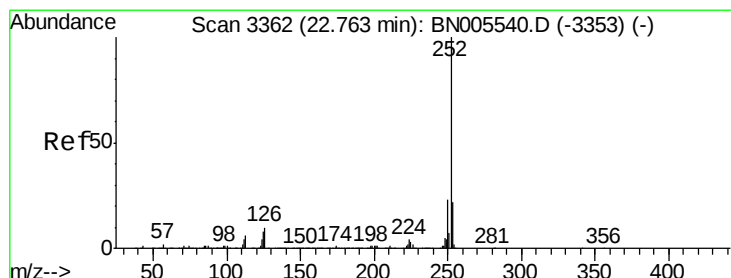
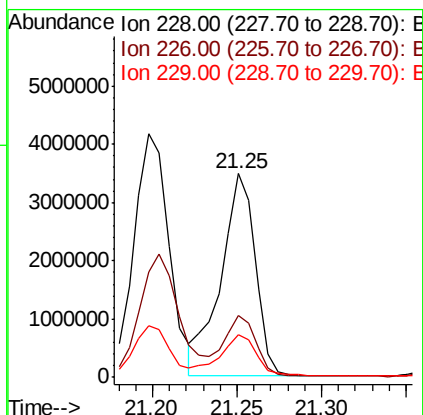
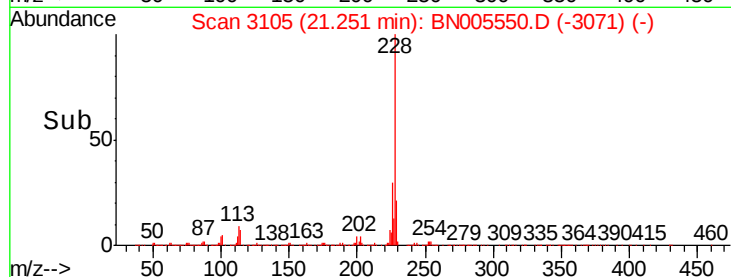
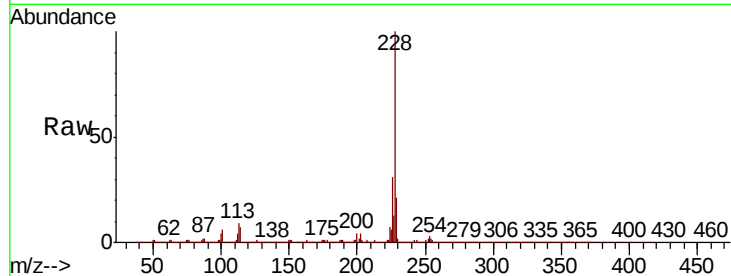
226 30.6 24.0 36.0

229 21.2 15.4 23.0

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#87

Benzo(b)fluoranthene

Concen: 49.297 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BN005550.D

Acq: 09 May 2019 01:46

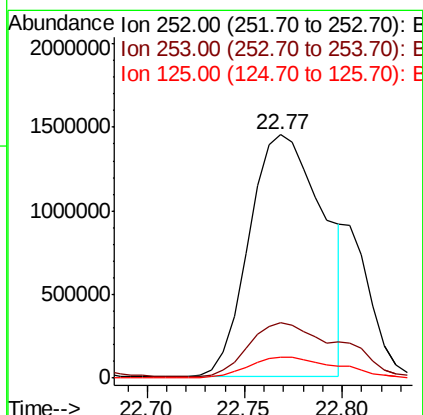
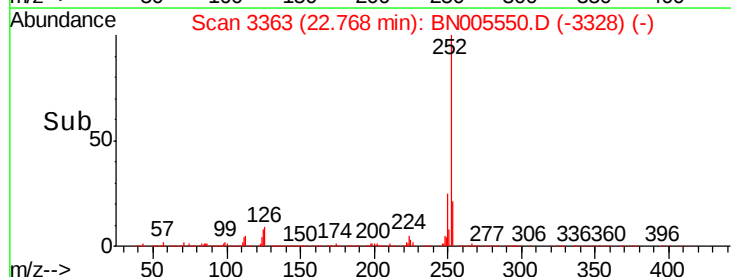
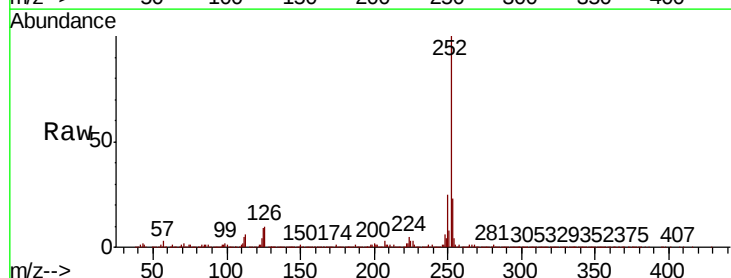
Tgt Ion:252 Resp: 3812325

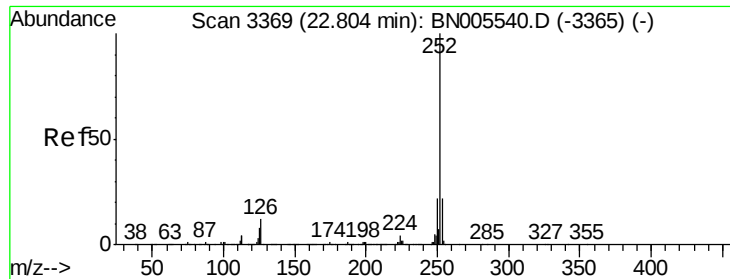
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 8.8 8.4 12.6





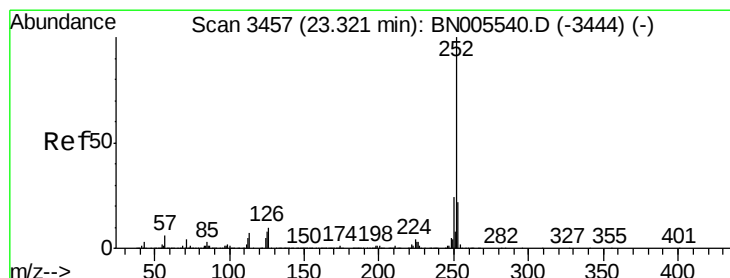
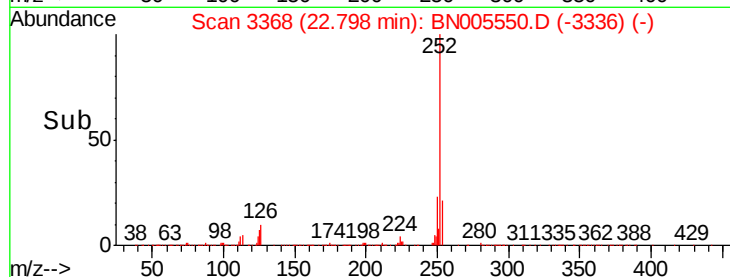
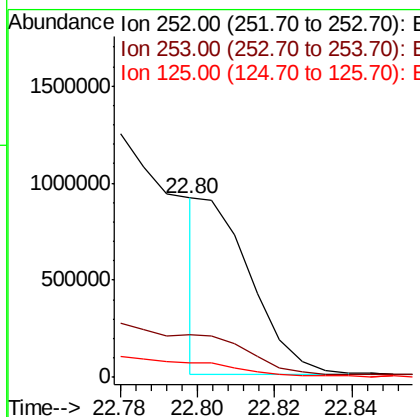
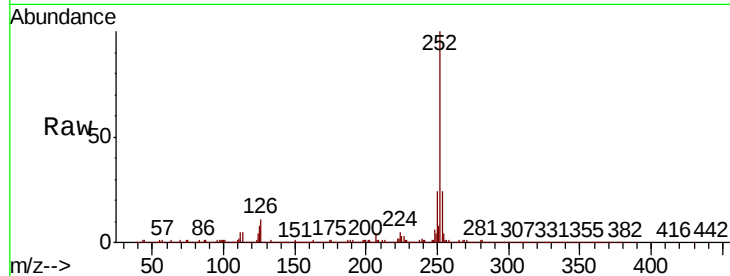
#88
Benzo(k)fluoranthene
Concen: 10.967 ng/ul m
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN005550.D
Acq: 09 May 2019 01:46

Instrument :
BNA_N
ClientSampled :
GAJ92

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	8.0	7.5	11.3

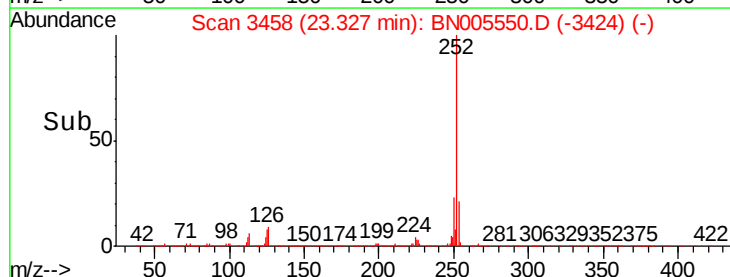
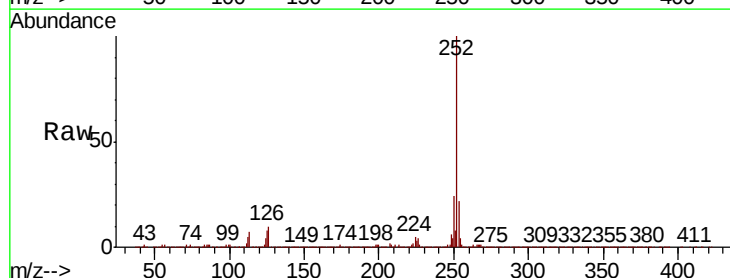
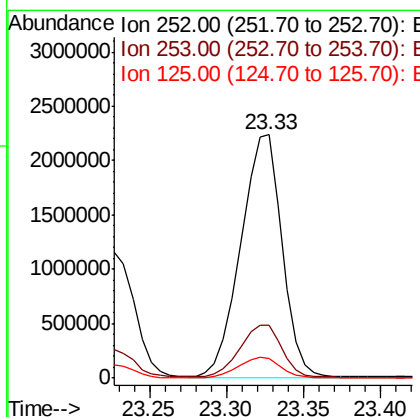
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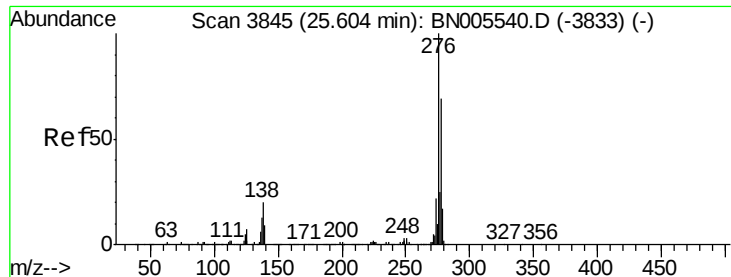
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#90
Benzo(a)pyrene
Concen: 57.414 ng/ul m
RT: 23.33 min Scan# 3458
Delta R.T. -0.00 min
Lab File: BN005550.D
Acq: 09 May 2019 01:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	7.8	8.6	13.0#





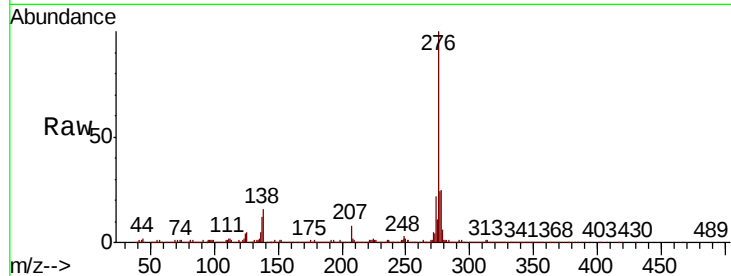
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 19.253 ng/ul
 RT: 25.60 min Scan# 3845
 Delta R.T. -0.01 min
 Lab File: BN005550.D
 Acq: 09 May 2019 01:46

Instrument :
 BNA_N
 ClientSampled :
 GAJ92

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	17.9	26.9#
277	23.8	19.7	29.5

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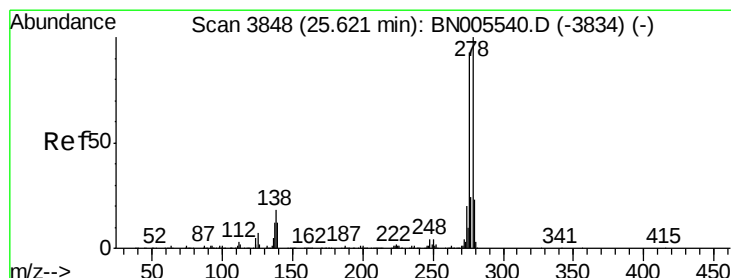
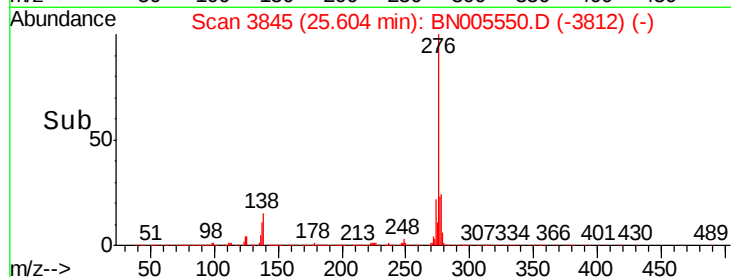
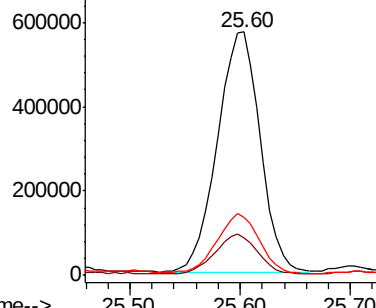


Abundance

Ion 276.00 (275.70 to 276.70): E

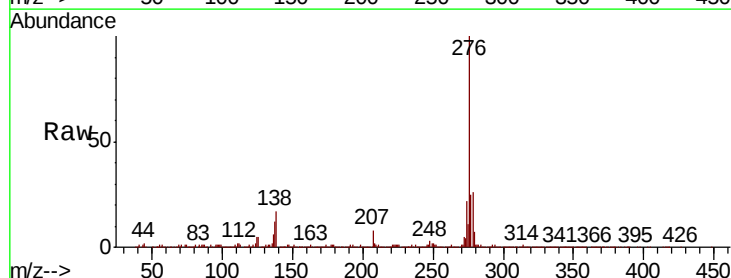
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#92
 Dibenzo(a,h)anthracene
 Concen: 6.628 ng/ul
 RT: 25.60 min Scan# 3844
 Delta R.T. -0.02 min
 Lab File: BN005550.D
 Acq: 09 May 2019 01:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	25.3	19.4	29.0

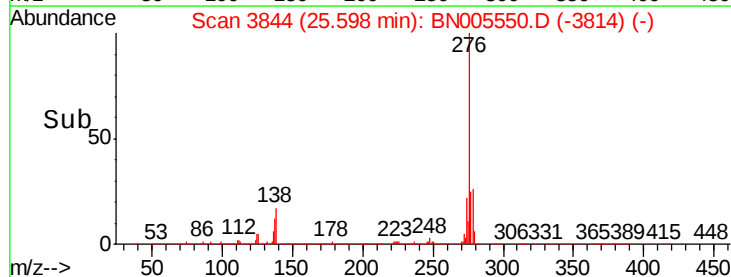
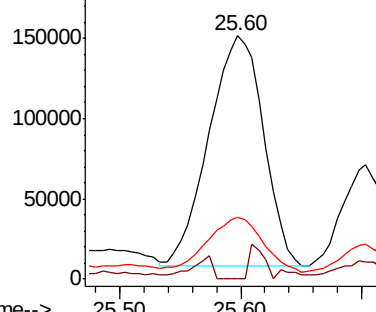


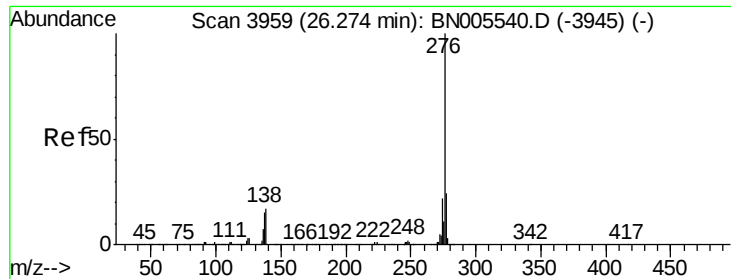
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93
 Benzo(a,h,i)perylene
 Concen: 24.182 ng/ul
 RT: 26.27 min Scan# 3958
 Delta R.T. -0.01 min
 Lab File: BN005550.D
 Acq: 09 May 2019 01:46

Instrument :
 BNA_N
 ClientSampleId :
 GAJ92

Tot Ion:	276	Resp:	1606957
Ion	Ratio	Lower	Upper
276	100		
138	17.2	16.7	25.1
277	24.4	18.2	27.2

Manual Integrations
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