

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
 Data File : BN005950.D
 Acq On : 30 May 2019 02:37
 Operator : JU/SJ
 Sample : K2928-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 30 05:03:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 02:28:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	663781	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	2936617	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.38	164	1621358	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	3261743	20.00	ng/ul	0.02
77) Chrysene-d12	21.34	240	2094668	20.00	ng/ul	0.01
85) Perylene-d12	23.61	264	2231398	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	40459	2.68	ng/uL	0.00
5) Phenol-d5	6.91	99	830796	14.12	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.07	67	530832	15.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	688813	15.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	529726	11.15	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	352049	18.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	280777	16.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	659139	15.90	ng/ul	0.01
29) 4-Chloroaniline-d4	10.66	131	622483	11.46	ng/ul	0.01
43) Dimethylphthalate-d6	13.79	166	2059864	17.23	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	2491730	16.67	ng/ul	0.01
51) 4-Nitrophenol-d4	14.58	143	231538	10.64	ng/ul	0.02
57) Fluorene-d10	15.38	176	1709930	17.06	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.51	200	10961	0.82	ng/ul	0.03
70) Anthracene-d10	17.23	188	2252148	16.22	ng/ul	0.01
78) Pyrene-d10	19.54	212	2072366	19.59	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.47	264	1574231	15.81	ng/ul	0.02

Target Compounds

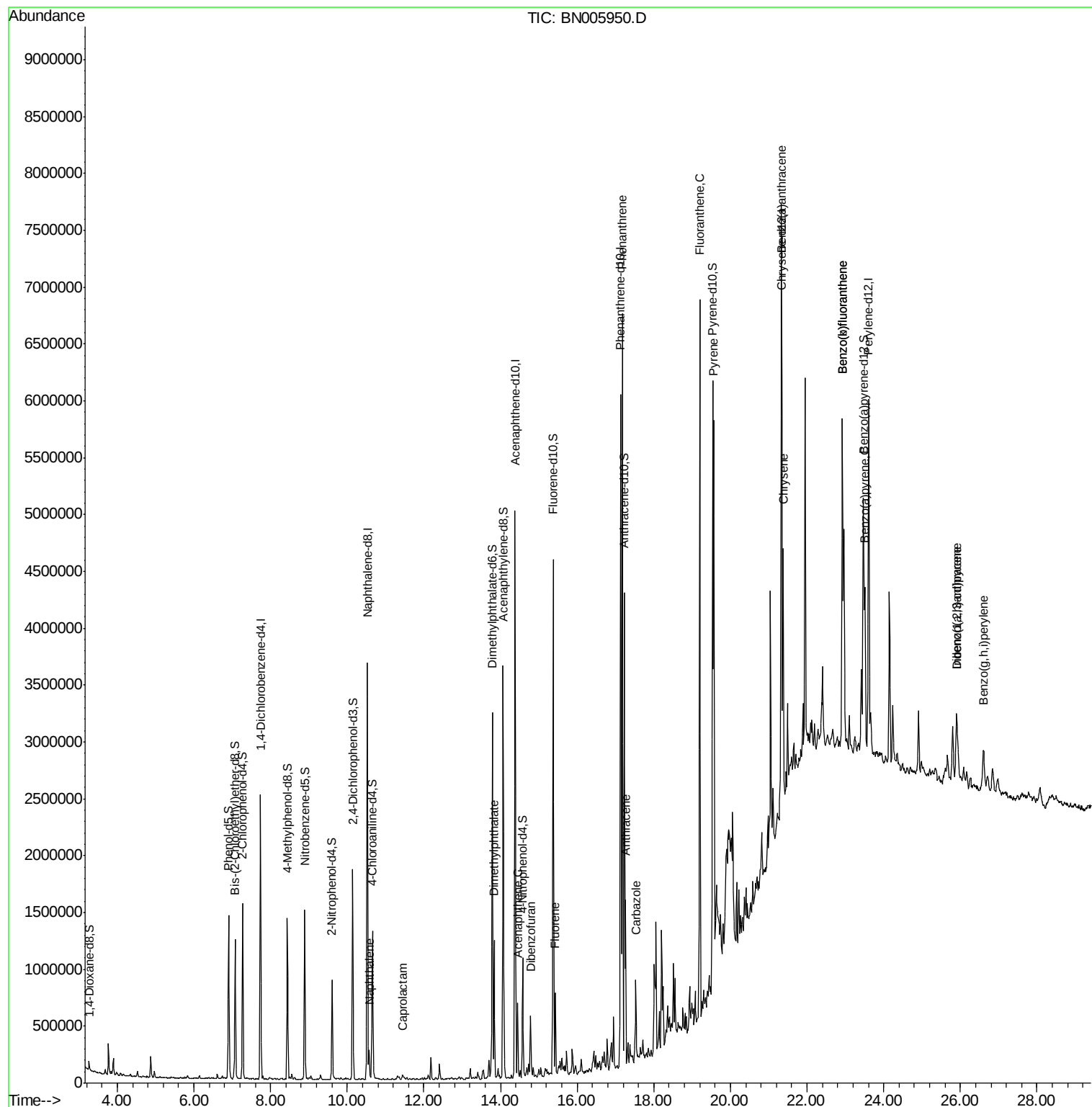
					Ovalue	
28) Naphthalene	10.57	128	200119	1.436	ng/ul	99
32) Caprolactam	11.45	113	34728	2.121	ng/ul#	1
44) Dimethylphthalate	13.84	163	716203	5.995	ng/ul	100
49) Acenaphthene	14.45	153	262993	2.640	ng/ul	98
53) Dibenzofuran	14.78	168	276506	1.966	ng/ul	97
58) Fluorene	15.44	166	307200	2.782	ng/ul	99
69) Phenanthrene	17.18	178	3740325	23.145	ng/ul	100
71) Anthracene	17.26	178	847718	5.167	ng/ul	99
74) Carbazole	17.54	167	414607	2.805	ng/ul	99
76) Fluoranthene	19.20	202	3452434	20.012	ng/ul#	94
79) Pyrene	19.56	202	2781712	20.964	ng/ul#	94
82) Benzo(a)anthracene	21.32	228	1233565	9.368	ng/ul	97
84) Chrysene	21.38	228	1157661	9.426	ng/ul	96
87) Benzo(b)fluoranthene	22.93	252	1220868	9.741	ng/ul#	93
88) Benzo(k)fluoranthene	22.93	252	1220868	10.595	ng/ul#	91
90) Benzo(a)pyrene	23.51	252	846752	7.164	ng/ul#	91
91) Indeno(1,2,3-cd)pyrene	25.90	276	536562	3.869	ng/ul	96
92) Dibenzo(a,h)anthracene	25.91	278	157142	1.361	ng/ul#	79
93) Benzo(g,h,i)perylene	26.61	276	413358	3.539	ng/ul#	89

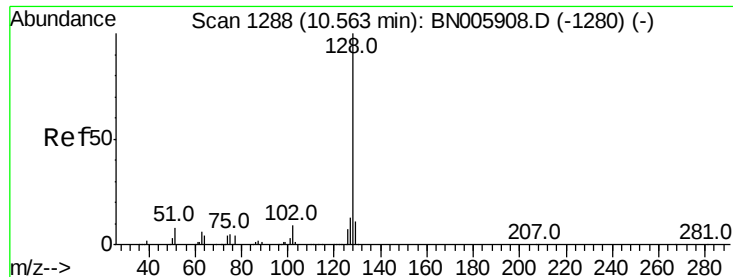
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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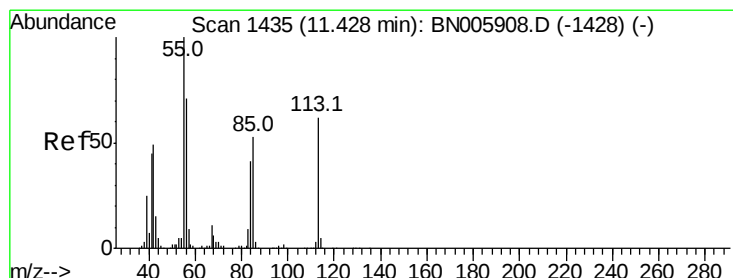
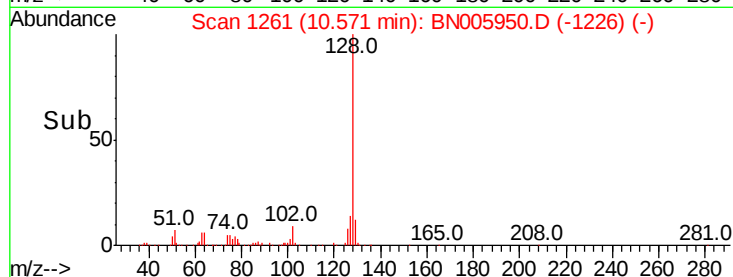
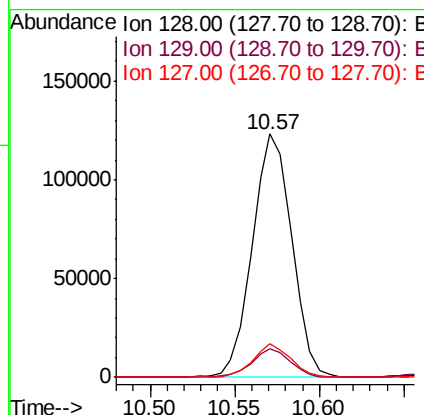
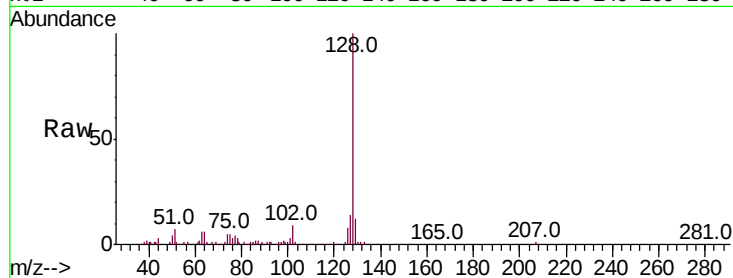




#28
Naphthalene
Concen: 1.436 ng/ul
RT: 10.57 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BN005950.D
Acq: 30 May 2019 02:37

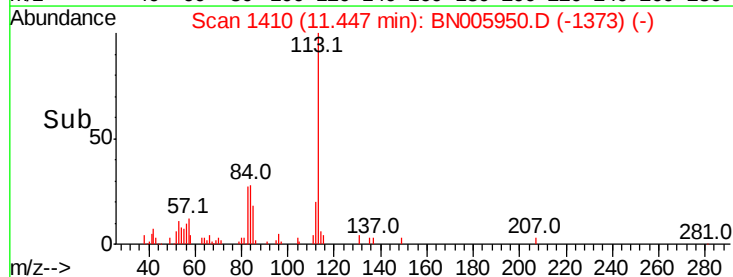
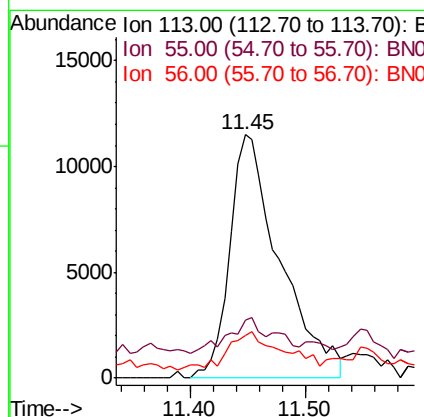
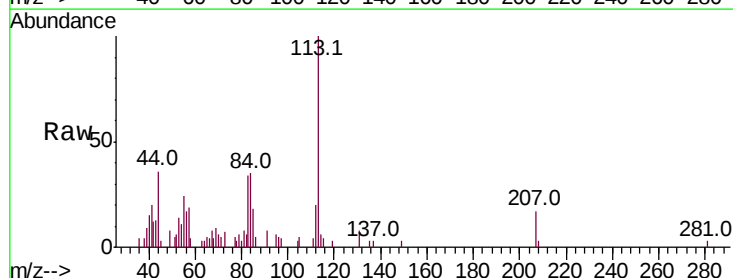
Instrument :
BNA_N
ClientSampleId :

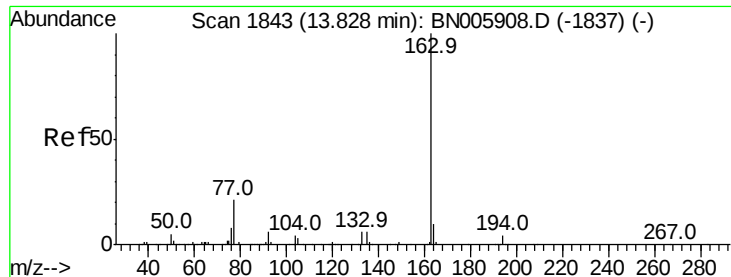
Tot Ion:128 Resp: 200119
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.7 10.7 16.1



#32
Caprolactam
Concen: 2.121 ng/ul
RT: 11.45 min Scan# 1410
Delta R.T. 0.02 min
Lab File: BN005950.D
Acq: 30 May 2019 02:37

Tgt Ion:113 Resp: 34728
Ion Ratio Lower Upper
113 100
55 23.8 157.0 235.4#
56 17.3 119.1 178.7#

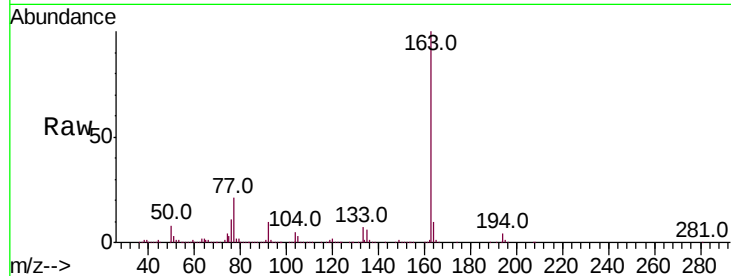




#44
Dimethylphthalate
Concen: 5.995 ng/ul
RT: 13.84 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BN005950.D
Acq: 30 May 2019 02:37

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	8.1	12.1

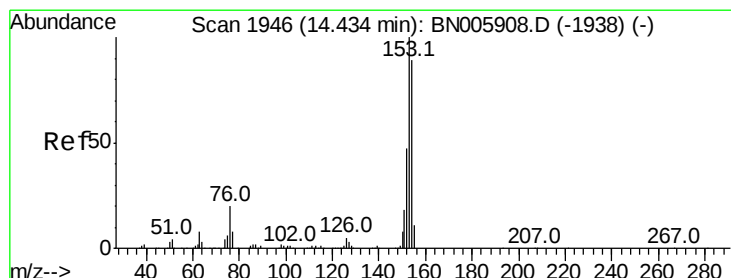
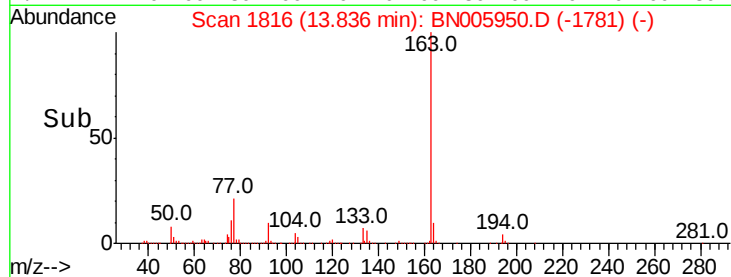
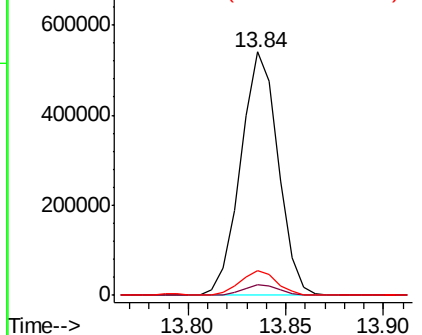


Abundance

Ion 163.00 (162.70 to 163.70): E

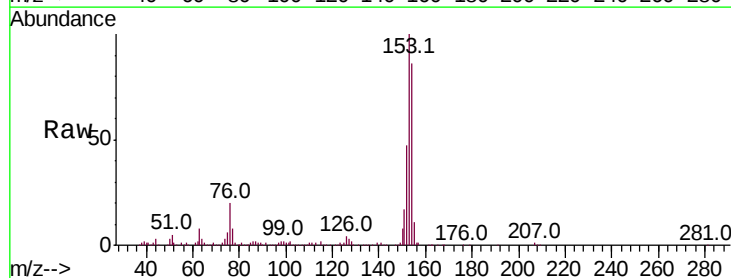
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49
Acenaphthene
Concen: 2.640 ng/ul
RT: 14.45 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BN005950.D
Acq: 30 May 2019 02:37

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.5	37.4	56.0
154	85.8	71.2	106.8

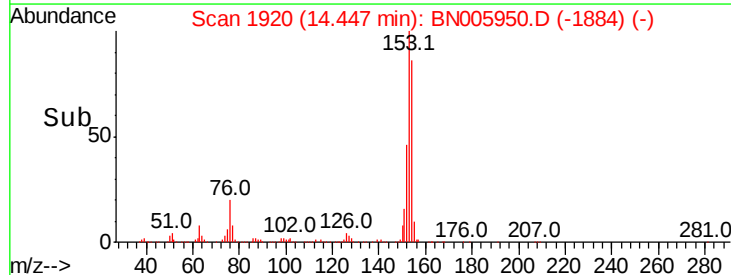
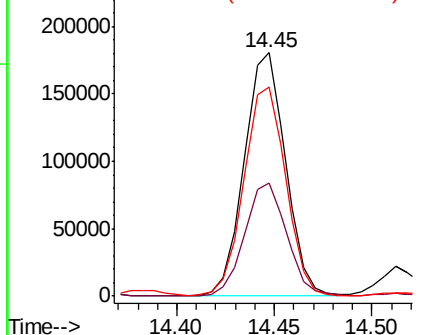


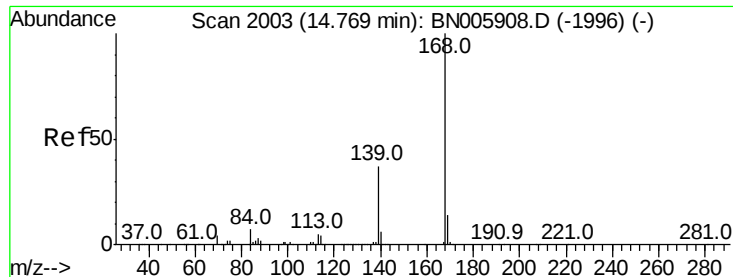
Abundance

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

Dibenzenofuran

Concen: 1.966 ng/ul

RT: 14.78 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

Instrument :

BNA_N

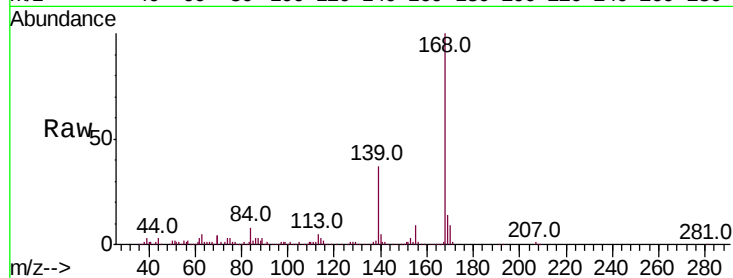
ClientSampleId :

Tot Ion:168 Resp: 276506

Ion Ratio Lower Upper

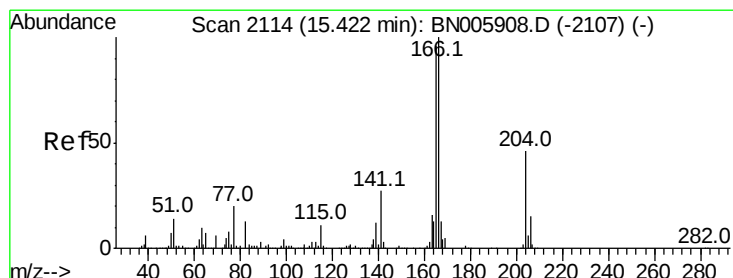
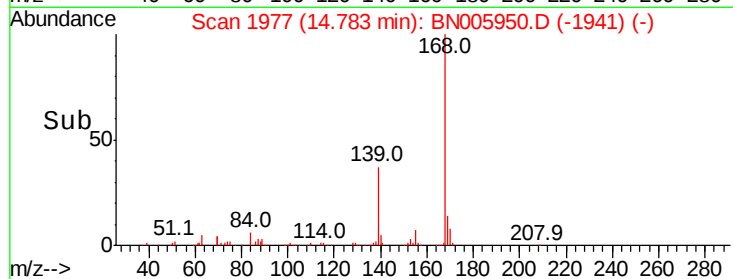
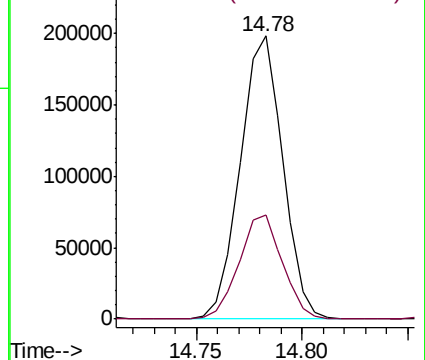
168 100

139 36.9 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: 2.782 ng/ul

RT: 15.44 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

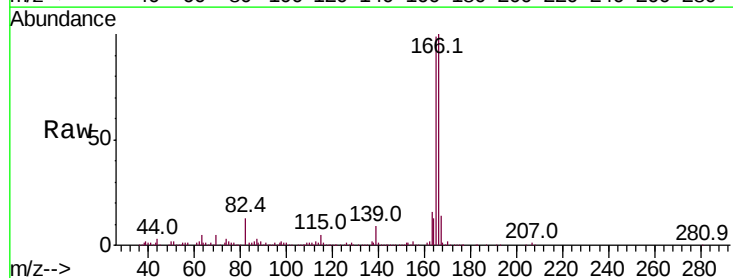
Tgt Ion:166 Resp: 307200

Ion Ratio Lower Upper

166 100

165 99.3 80.0 120.0

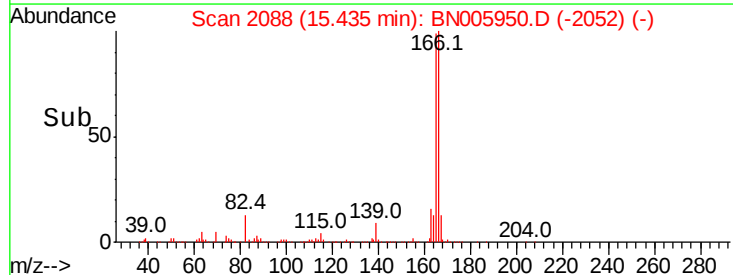
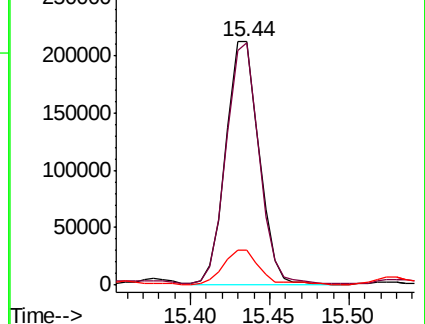
167 14.3 10.7 16.1

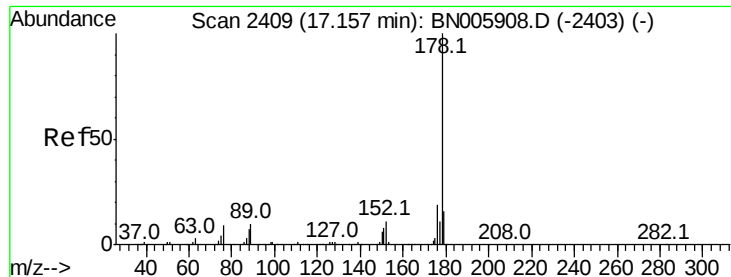


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 23.145 ng/ul

RT: 17.18 min Scan# 2384

Delta R.T. 0.02 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

Instrument :

BNA_N

ClientSampleId :

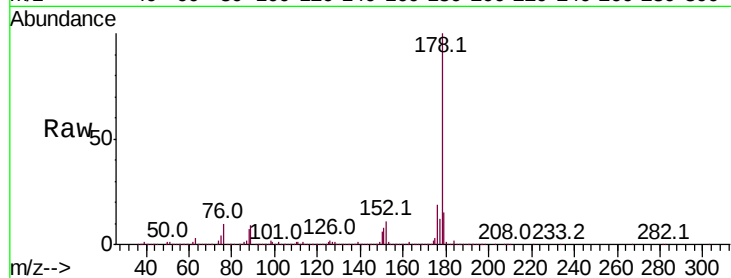
Tot Ion:178 Resp: 3740325

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

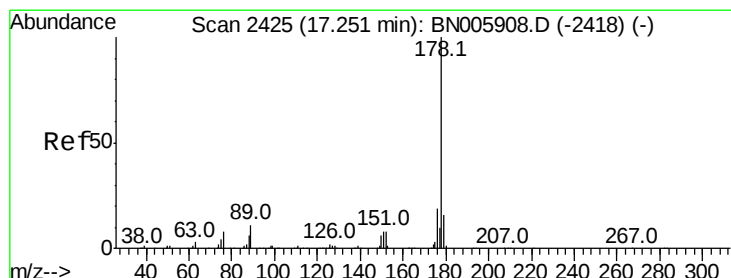
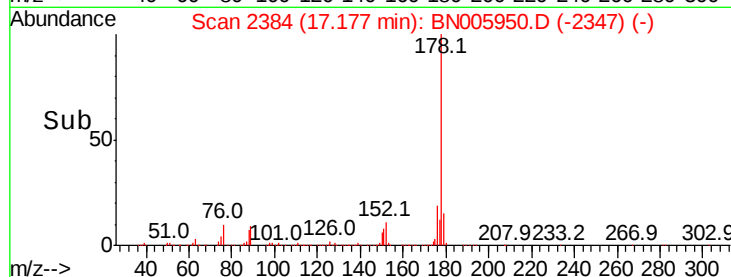
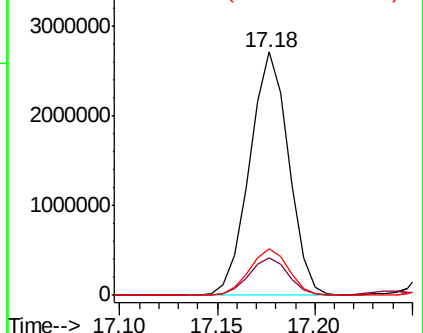
176 19.1 15.1 22.7



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: 5.167 ng/ul

RT: 17.26 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

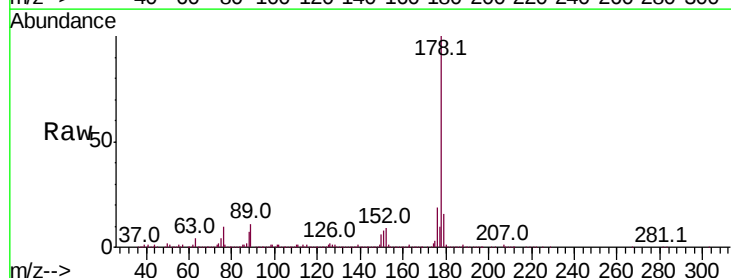
Tgt Ion:178 Resp: 847718

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

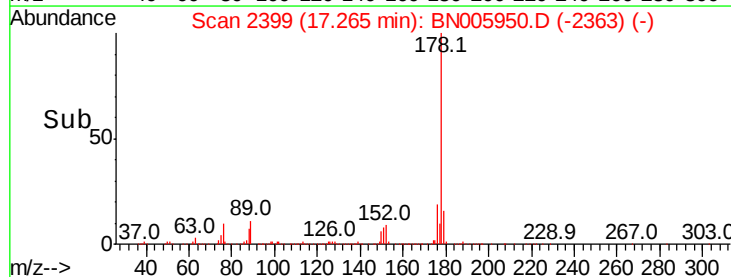
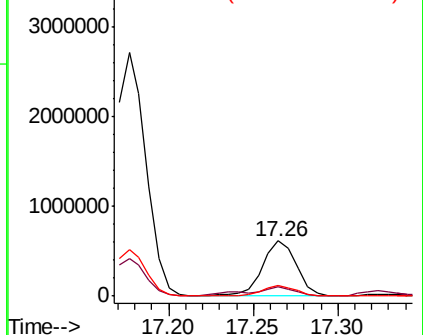
176 19.0 15.1 22.7

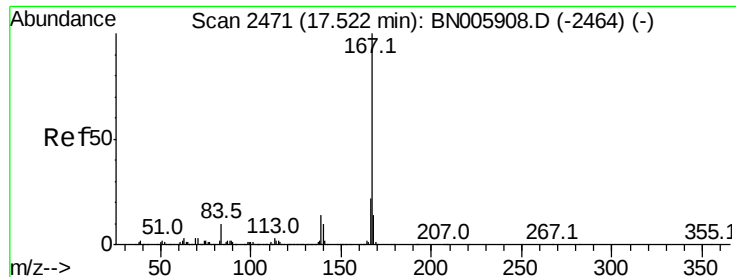


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 2.805 ng/ul

RT: 17.54 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

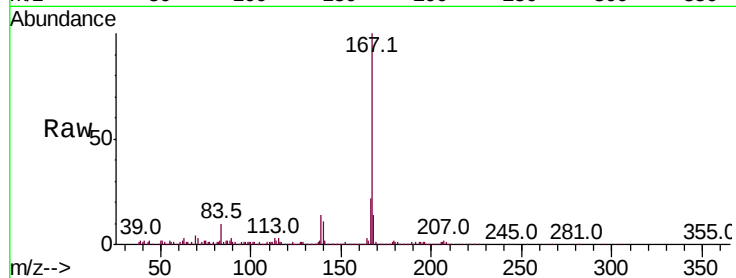
Instrument :

BNA_N

ClientSampleId :

Tot Ion:167 Resp: 414607

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	13.7	10.6	16.0

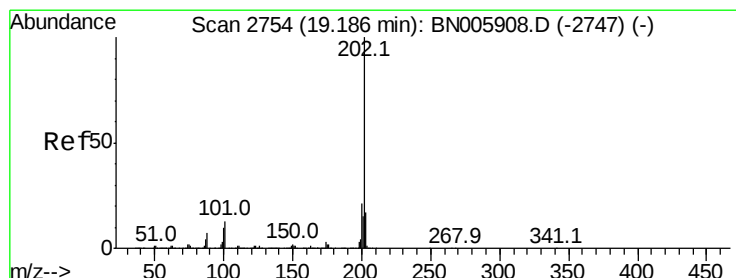
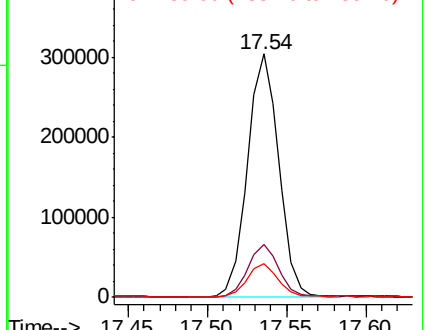
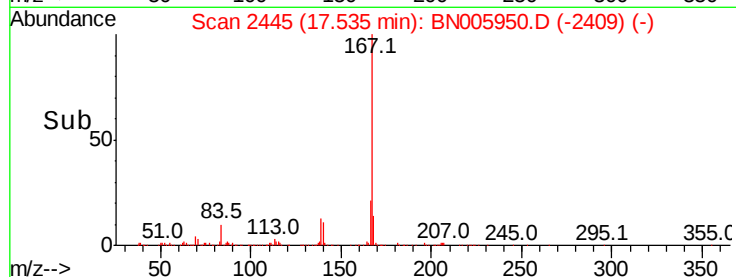


Abundance

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: 20.012 ng/ul

RT: 19.20 min Scan# 2728

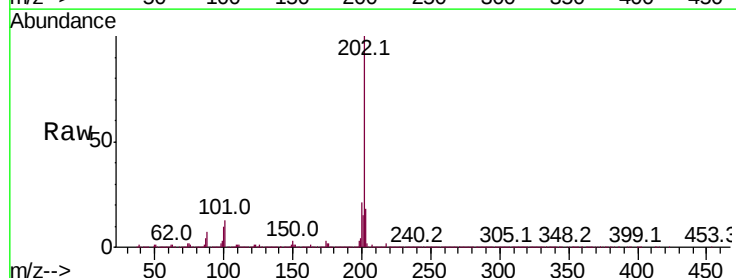
Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

Tgt Ion:202 Resp: 3452434

Ion	Ratio	Lower	Upper
202	100		
101	13.3	8.6	12.8#
100	9.8	6.3	9.5#

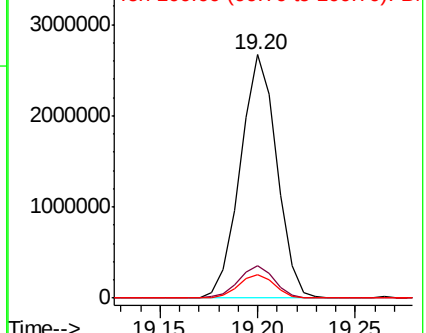
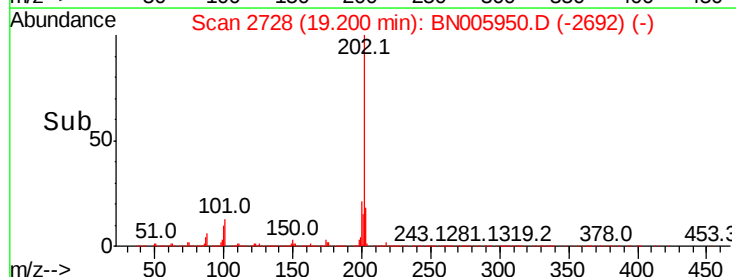


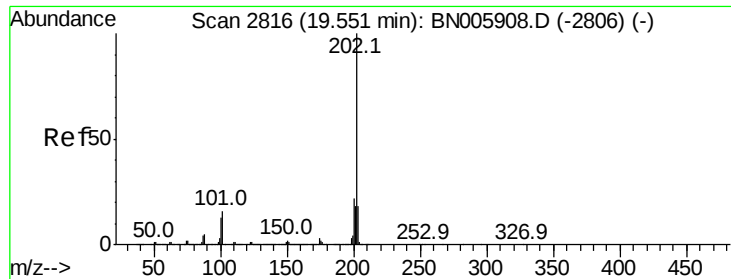
Abundance

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: 20.964 ng/ul

RT: 19.56 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

Instrument :

BNA_N

ClientSampled :

Tot Ion:202 Resp: 2781712

Ion Ratio Lower Upper

202 100

101 15.4

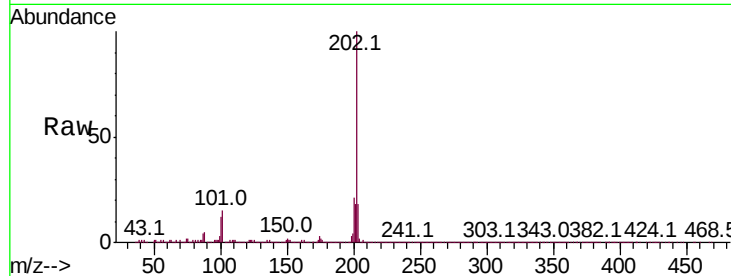
10.3

15.5

100 12.4

7.9

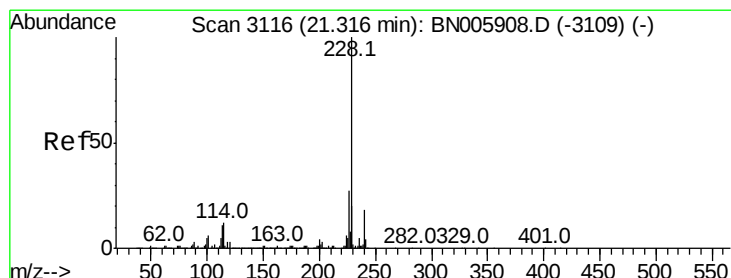
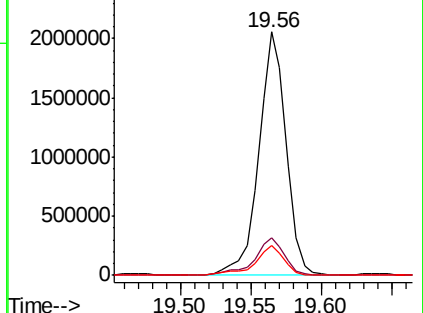
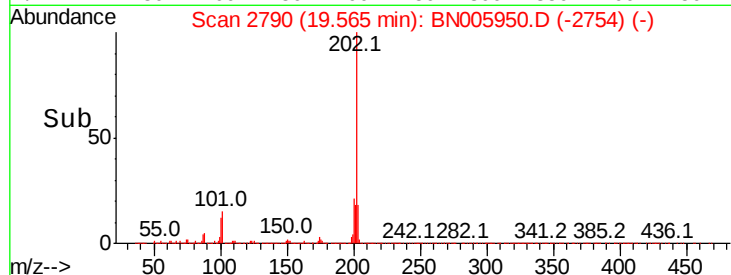
11.9#



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: 9.368 ng/ul

RT: 21.32 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

Tgt Ion:228 Resp: 1233565

Ion Ratio Lower Upper

228 100

229 21.6

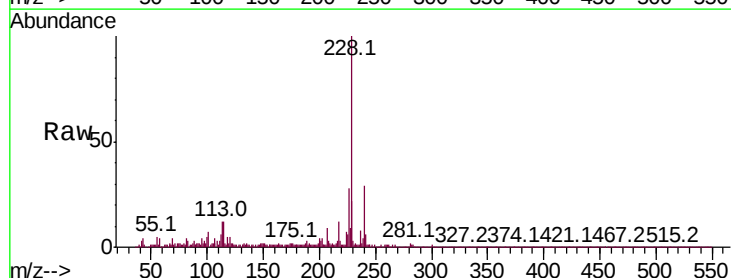
15.8

23.6

226 28.1

21.4

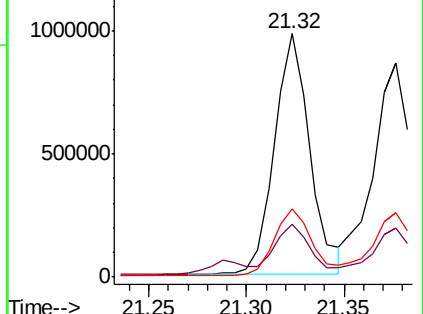
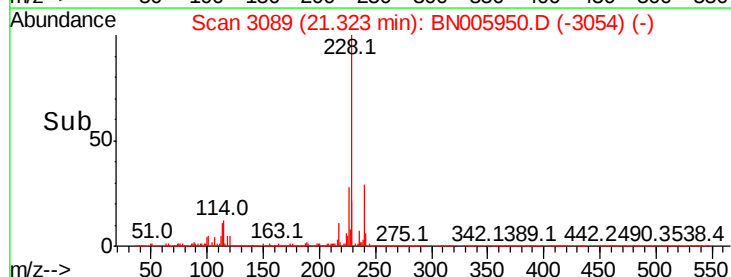
32.2

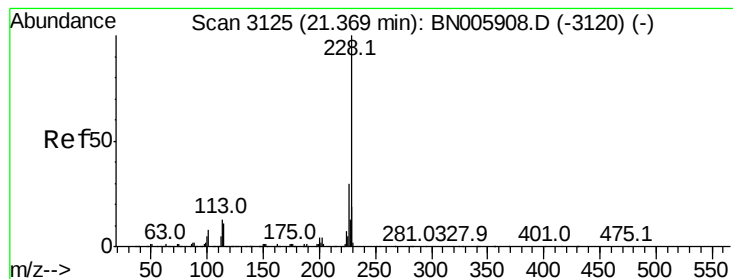


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 9.426 ng/ul

RT: 21.38 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

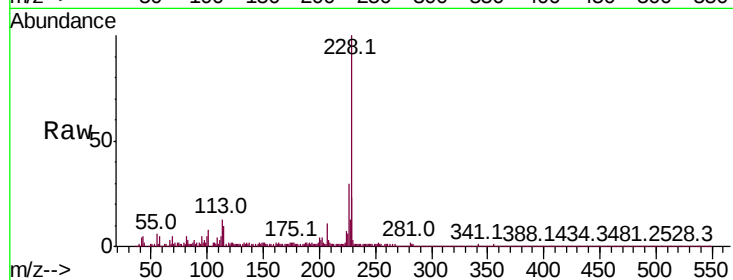
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 1157661

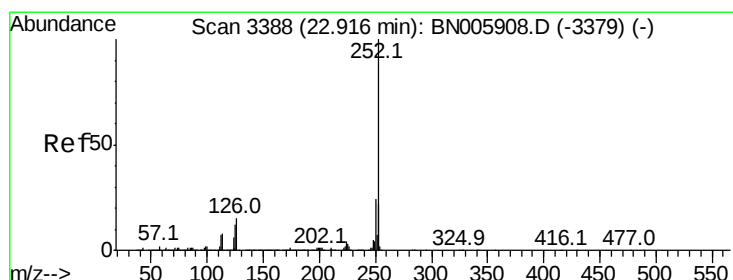
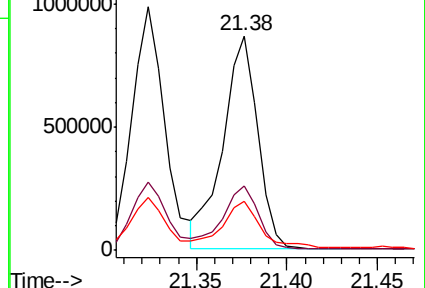
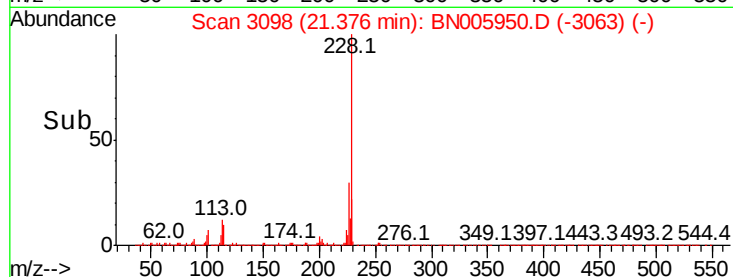
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	23.0	15.4	23.0



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: 9.741 ng/ul

RT: 22.93 min Scan# 3362

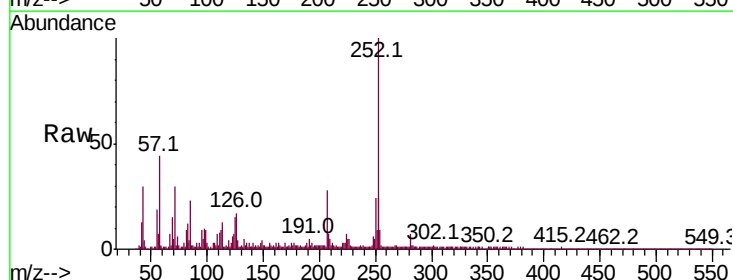
Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

Tgt Ion:252 Resp: 1220868

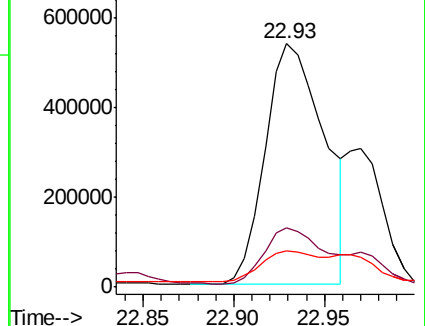
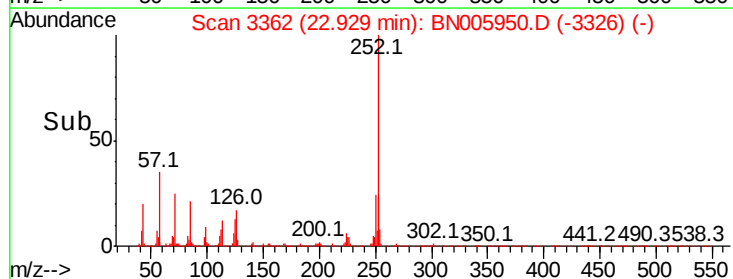
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	14.9	8.4	12.6

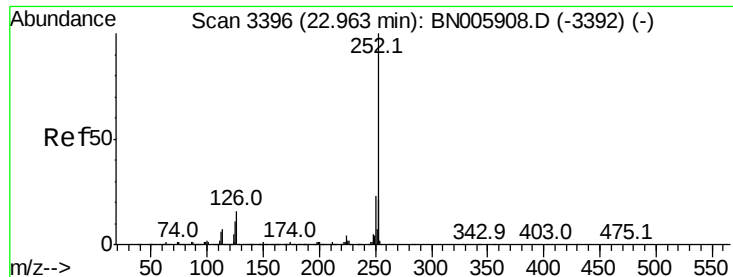


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 10.595 ng/ul

RT: 22.93 min Scan# 3362

Delta R.T. -0.03 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

Instrument :

BNA_N

ClientSampleId :

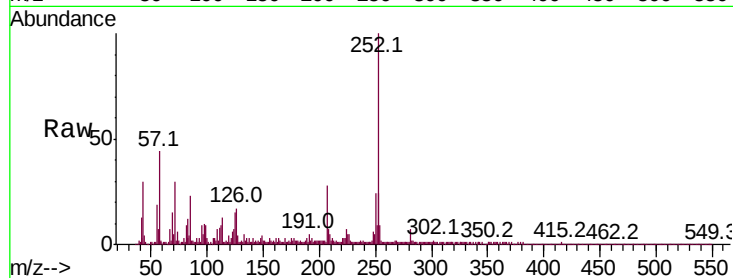
Tot Ion:252 Resp: 1220868

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.0

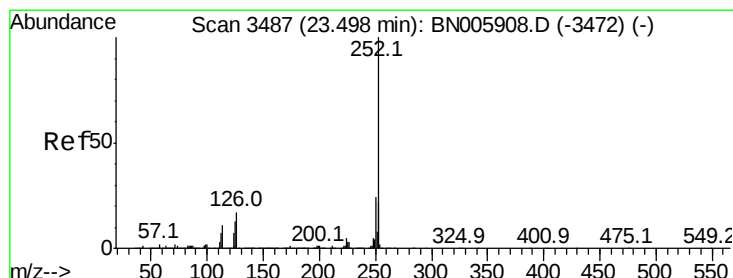
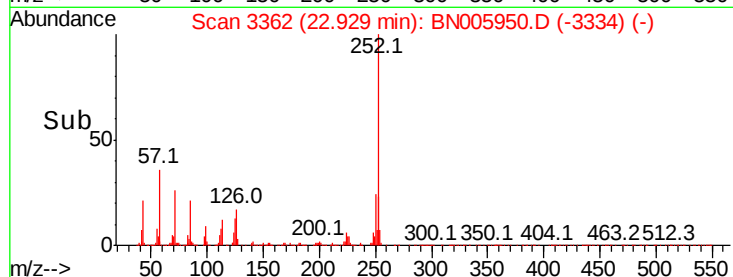
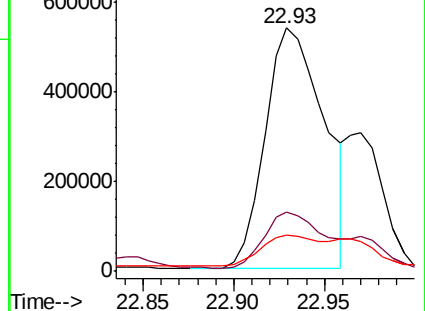
125 14.9 7.5 11.3#



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



#90

Benzo(a)pyrene

Concen: 7.164 ng/ul

RT: 23.51 min Scan# 3461

Delta R.T. 0.01 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

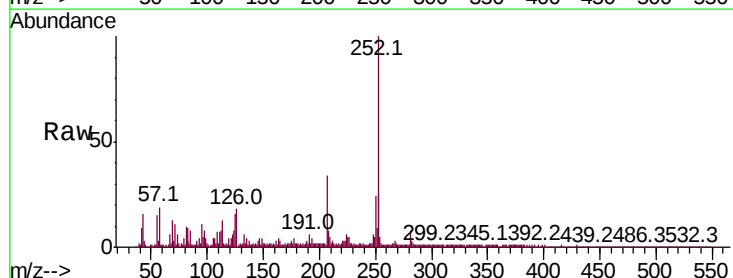
Tgt Ion:252 Resp: 846752

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

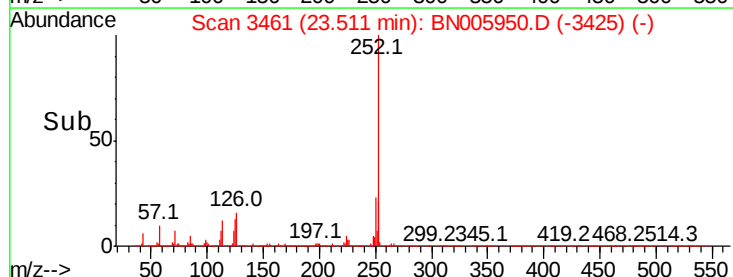
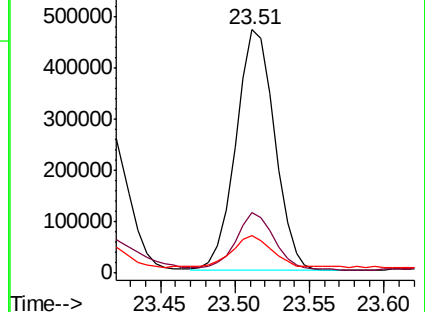
125 15.7 8.6 13.0#

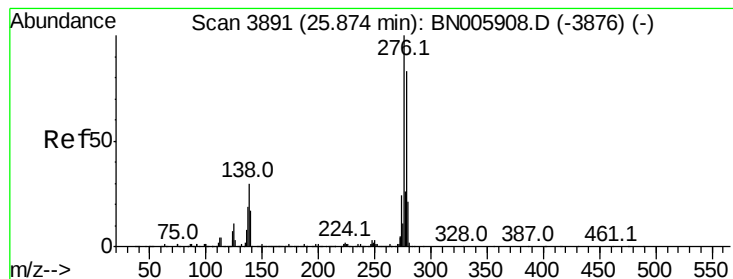


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



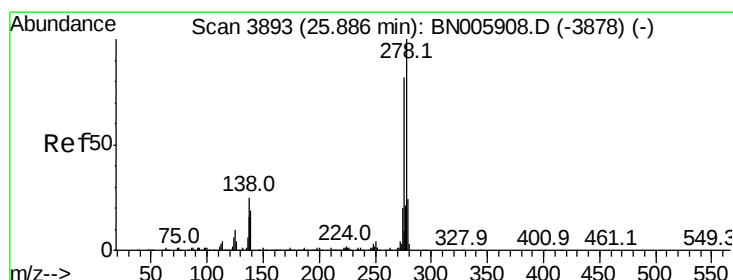
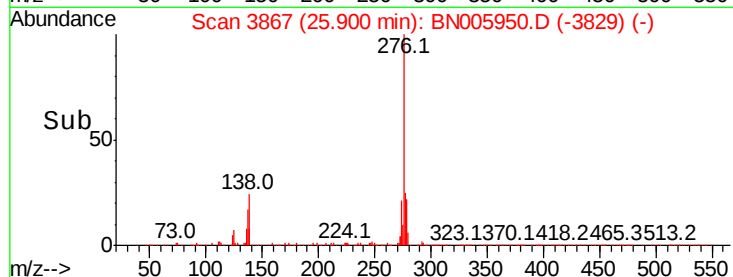
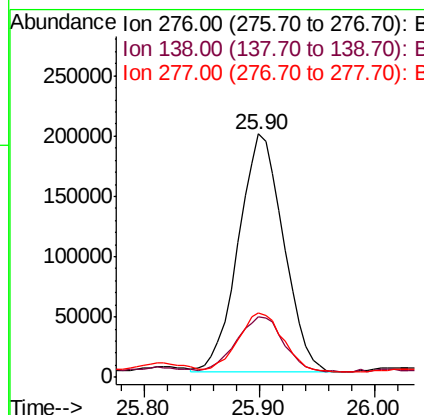
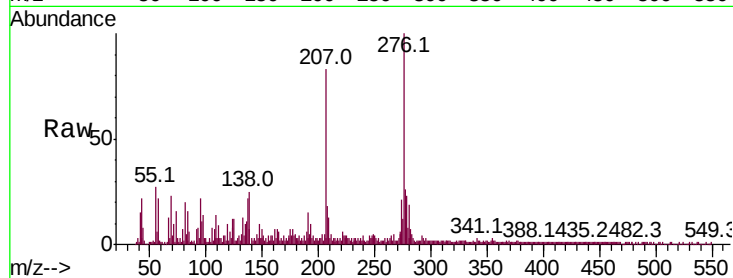


#91

Indeno(1,2,3-cd)pyrene
Concen: 3.869 ng/ul
RT: 25.90 min Scan# 3867
Delta R.T. 0.03 min
Lab File: BN005950.D
Acq: 30 May 2019 02:37

Instrument :
BNA_N
ClientSampleId :

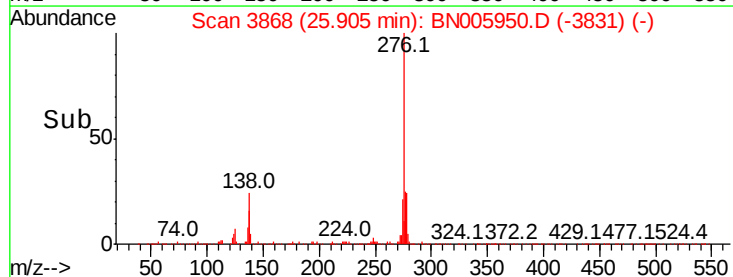
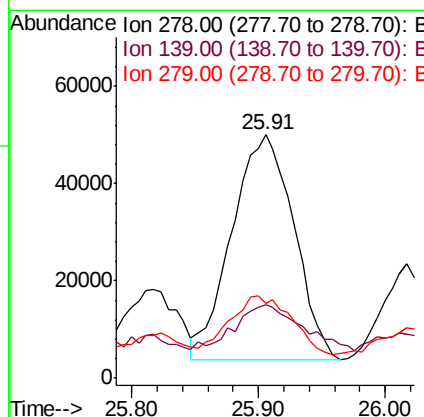
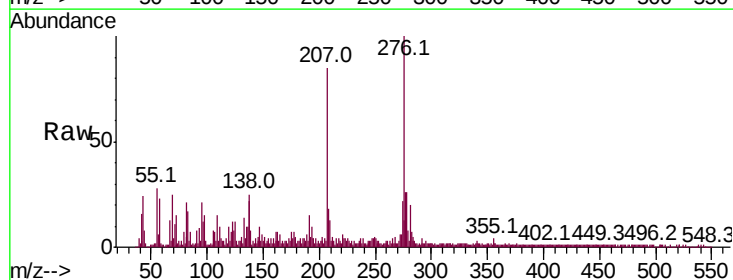
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	17.9	26.9
277	26.3	19.7	29.5

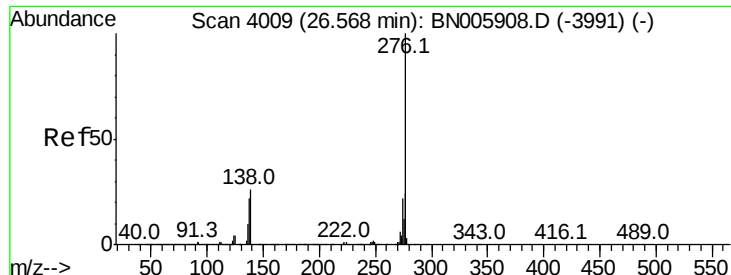


#92

Dibenzo(a,h)anthracene
Concen: 1.361 ng/ul
RT: 25.91 min Scan# 3868
Delta R.T. 0.02 min
Lab File: BN005950.D
Acq: 30 May 2019 02:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.4	13.1	19.7#
279	30.8	19.4	29.0#





#93

Benzo(a,h,i)perylene

Concen: 3.539 ng/ul

RT: 26.61 min Scan# 3987

Delta R.T. 0.04 min

Lab File: BN005950.D

Acq: 30 May 2019 02:37

Instrument :

BNA_N

ClientSampleId :

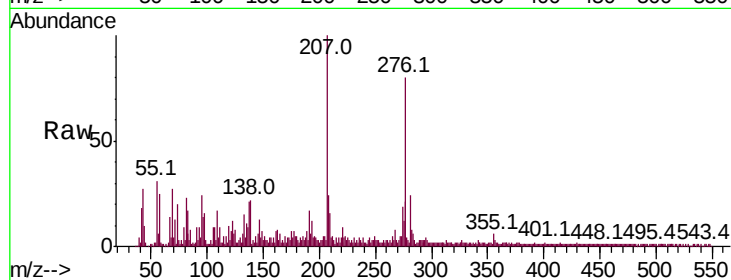
Tot Ion:276 Resp: 413358

Ion Ratio Lower Upper

276 100

138 27.6 16.7 25.1#

277 26.3 18.2 27.2



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

