

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042519\
 Data File : BN005299.D
 Acq On : 26 Apr 2019 02:26
 Operator : JU/SJ
 Sample : K2481-0610X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 26 04:13:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	450648	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1958496	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1245493	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2847732	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2916362	20.00	ng/ul	-0.01
85) Perylene-d12	23.43	264	3353324	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2612	0.28	ng/uL	0.00
5) Phenol-d5	6.78	99	50359	1.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	38612	1.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	41899	1.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	39022	1.41	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	32995	2.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	25436	2.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	43486	1.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	91088	3.15	ng/ul	-0.02
43) Dimethylphthalate-d6	13.65	166	206004	2.28	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	229610	2.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	26120	1.83	ng/ul	0.01
57) Fluorene-d10	15.23	176	179522	2.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	13516	1.06	ng/ul	0.00
70) Anthracene-d10	17.09	188	279373	2.34	ng/ul	0.00
78) Pyrene-d10	19.39	212	326431	2.19	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	337603	2.30	ng/ul	-0.02

Target Compounds

					Ovalue
4) Benzaldehyde	6.76	77	30469	1.215	ng/ul# 1
17) Hexachloroethane	8.62	117	129468	10.647	ng/ul# 6
30) 4-Chloroaniline	10.42	127	4272466	145.202	ng/ul# 7
34) 2-Methylnaphthalene	11.89	142	282923	4.244	ng/ul# 66
40) 1,1'-Biphenyl	13.06	154	2786507	30.027	ng/ul 99
47) Acenaphthylene	13.96	152	10583984	96.985	ng/ul# 95
49) Acenaphthene	14.29	153	990910	13.300	ng/ul 100
53) Dibenzofuran	14.63	168	1398563	13.038	ng/ul 97
54) 2,4-Dinitrotoluene	14.60	165	95069	4.239	ng/ul# 60
58) Fluorene	15.29	166	6094193	72.809	ng/ul 98
60) 4-Nitroaniline	15.29	138	68588	3.804	ng/ul# 15
64) N-Nitrosodiphenylamine	15.50	169	118658	1.522	ng/ul# 57
69) Phenanthrene	17.12	178	5470429	39.444	ng/ul 99
71) Anthracene	17.12	178	5470429	38.720	ng/ul 99
76) Fluoranthene	19.06	202	5605820	36.441	ng/ul 100
79) Pyrene	19.43	202	8786753	46.794	ng/ul 99
82) Benzo(a)anthracene	21.26	228	3000290	16.537	ng/ul 95
84) Chrysene	21.26	228	3001125	17.823	ng/ul 98
87) Benzo(b)fluoranthene	22.77	252	1831240	9.715	ng/ul 100
88) Benzo(k)fluoranthene	22.77	252	1831240	10.172	ng/ul 98
90) Benzo(a)pyrene	23.33	252	2140138	12.079	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.60	276	625107	3.191	ng/ul 98
92) Dibenzo(a,h)anthracene	25.61	278	222926	1.341	ng/ul 95

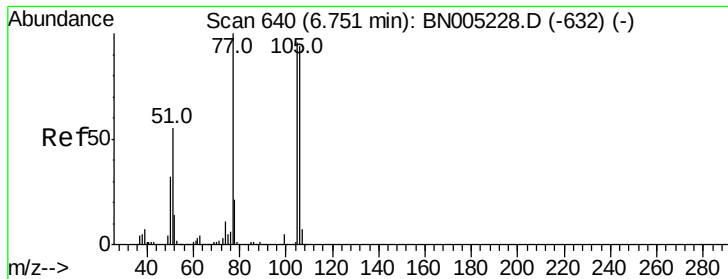
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042519\
Data File : BN005299.D
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.26	276	534427	3.299	ng/ul	97

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



#4

Benzaldehyde

Concen: 1.215 ng/ul

RT: 6.76 min Scan# 642

Delta R.T. 0.01 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

Instrument :

BNA_N

ClientSampled :

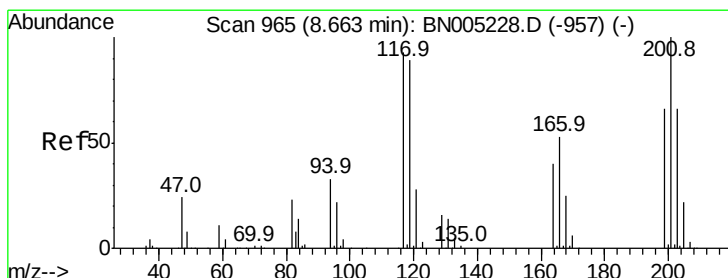
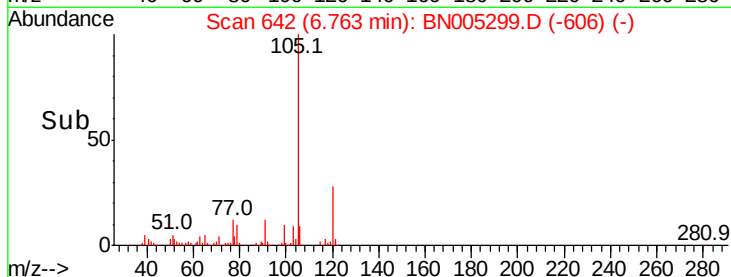
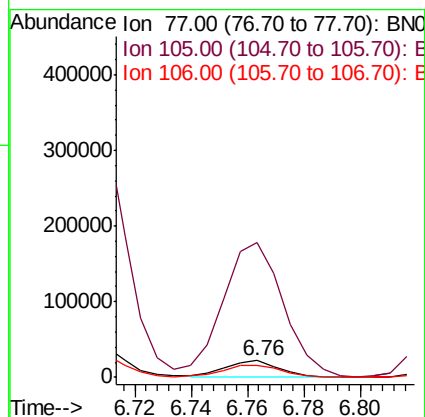
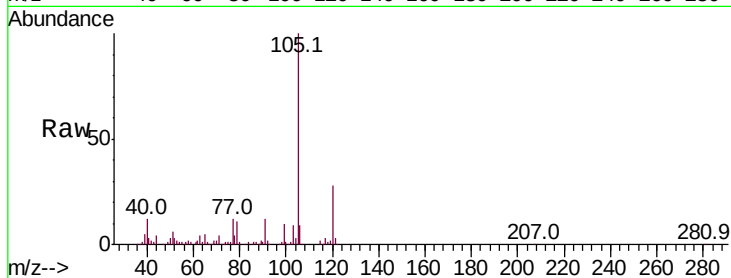
Tot Ion: 77 Resp: 30469

Ion Ratio Lower Upper

77 100

105 817.6 77.4 116.2#

106 71.5 76.3 114.5#



#17

Hexachloroethane

Concen: 10.647 ng/ul

RT: 8.62 min Scan# 957

Delta R.T. -0.04 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

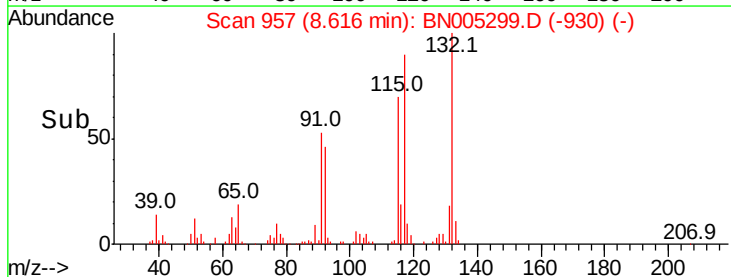
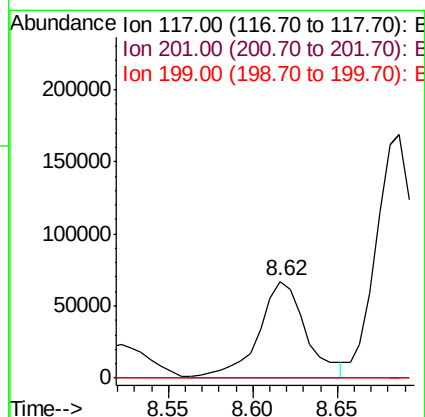
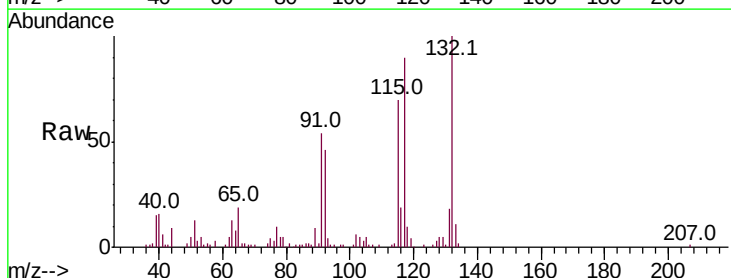
Tgt Ion: 117 Resp: 129468

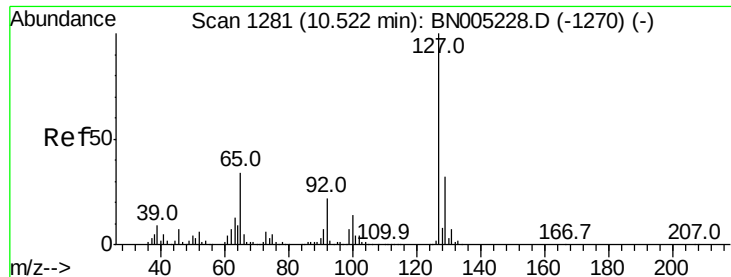
Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

199 0.0 51.2 76.8#





#30

4-Chloroaniline

Concen: 145.202 ng/ul

RT: 10.42 min Scan# 1264

Delta R.T. -0.10 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

Instrument :

BNA_N

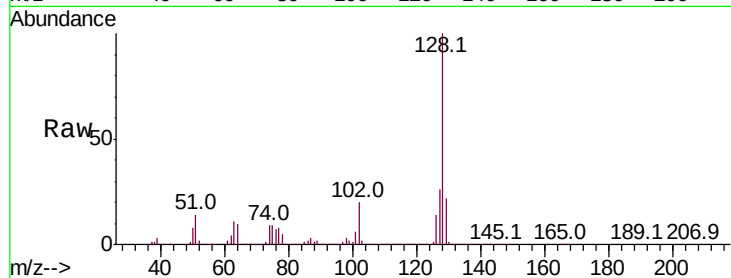
ClientSampled :

Tot Ion:127 Resp: 4272466

Ion Ratio Lower Upper

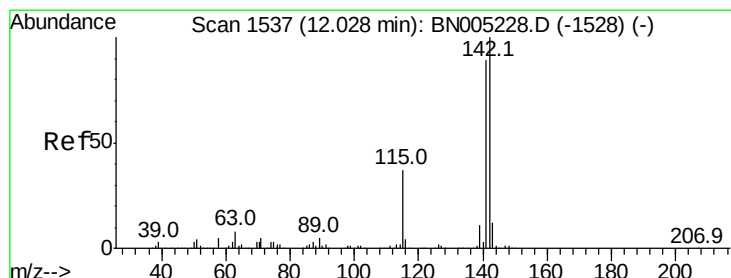
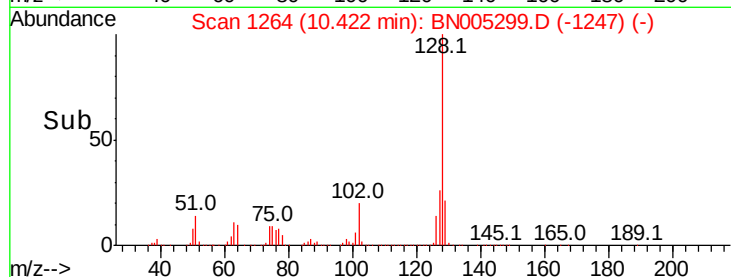
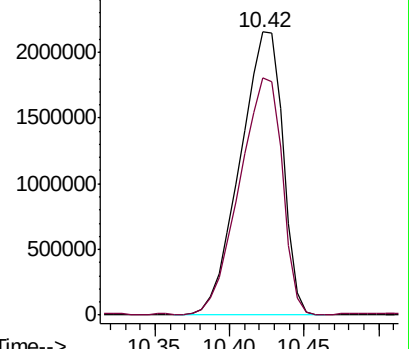
127 100

129 84.0 25.8 38.6#



Abundance Ion 127.00 (126.70 to 127.70): E

2500000 Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 4.244 ng/ul

RT: 11.89 min Scan# 1513

Delta R.T. -0.14 min

Lab File: BN005299.D

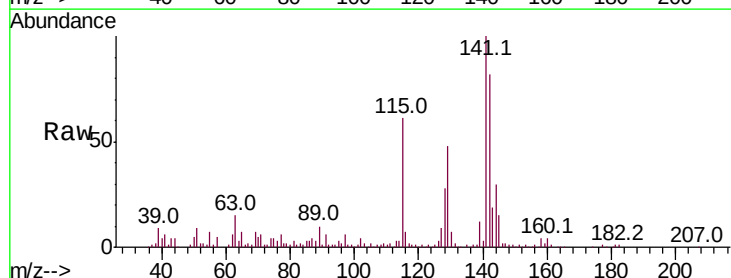
Acq: 26 Apr 2019 02:26

Tgt Ion:142 Resp: 282923

Ion Ratio Lower Upper

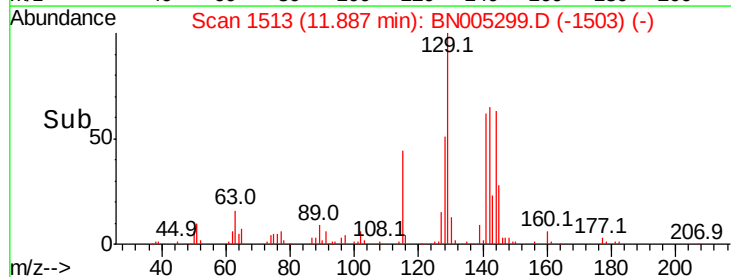
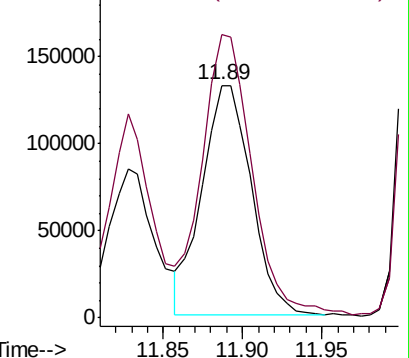
142 100

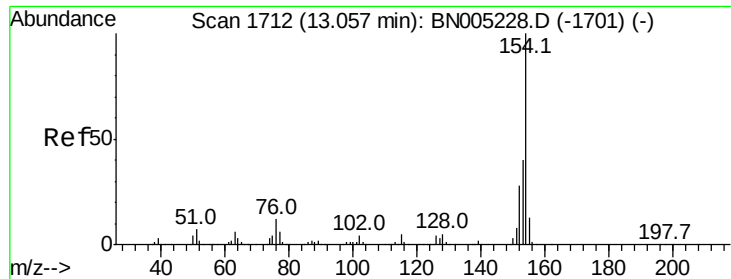
141 121.7 72.0 108.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



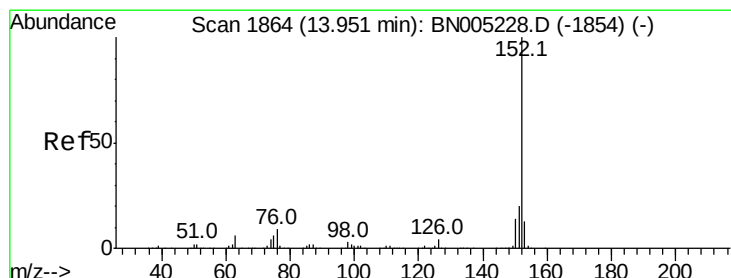
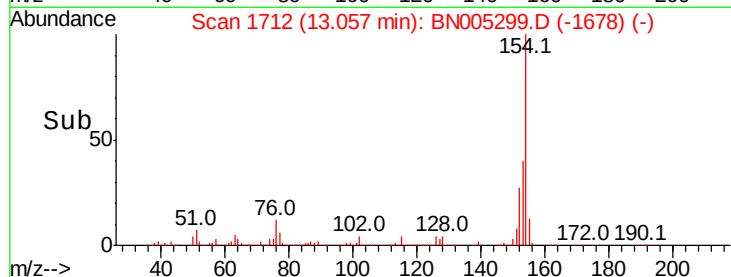
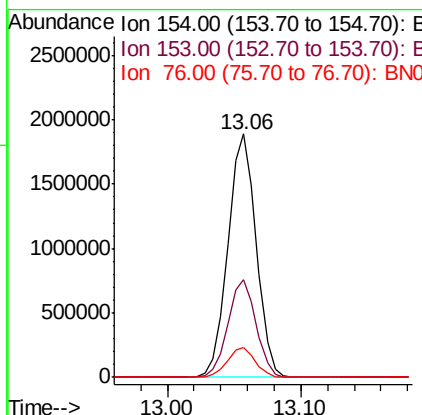
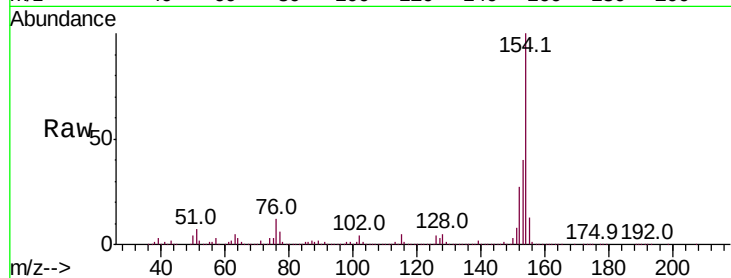


#40
 1,1'-Biphenyl
 Concen: 30.027 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BN005299.D
 Acq: 26 Apr 2019 02:26

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:154 Resp: 2786507

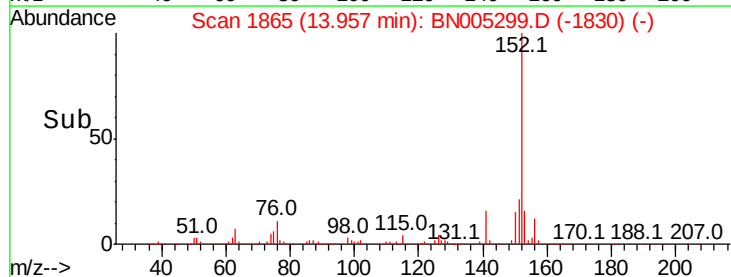
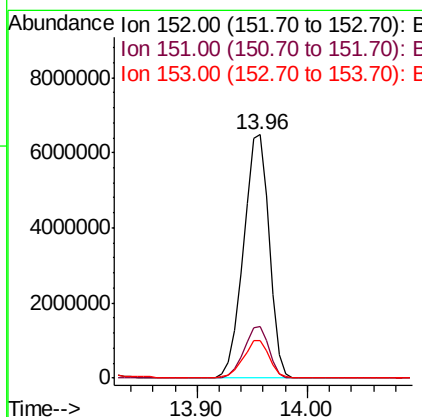
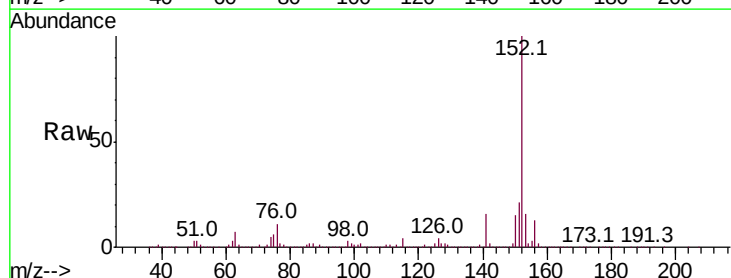
Ion	Ratio	Lower	Upper
154	100		
153	40.3	32.6	49.0
76	12.1	10.4	15.6

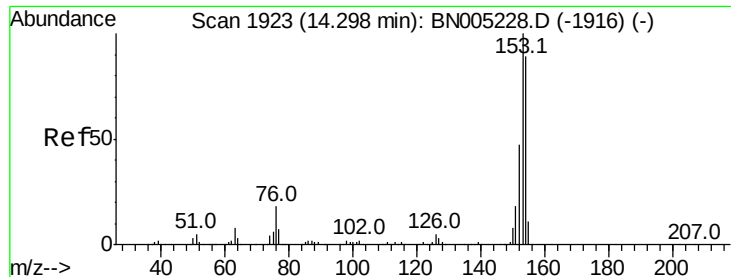


#47
 Acenaphthylene
 Concen: 96.985 ng/ul
 RT: 13.96 min Scan# 1865
 Delta R.T. 0.01 min
 Lab File: BN005299.D
 Acq: 26 Apr 2019 02:26

Tgt Ion:152 Resp:10583984

Ion	Ratio	Lower	Upper
152	100		
151	21.3	15.8	23.8
153	15.6	9.8	14.8





#49

Acenaphthene

Concen: 13.300 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

Instrument :

BNA_N

ClientSampleId :

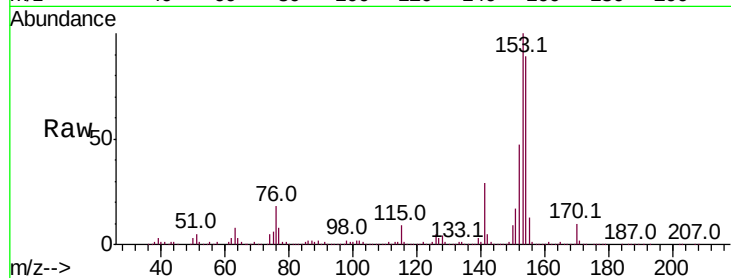
Tot Ion:153 Resp: 990910

Ion Ratio Lower Upper

153 100

152 47.3 37.4 56.0

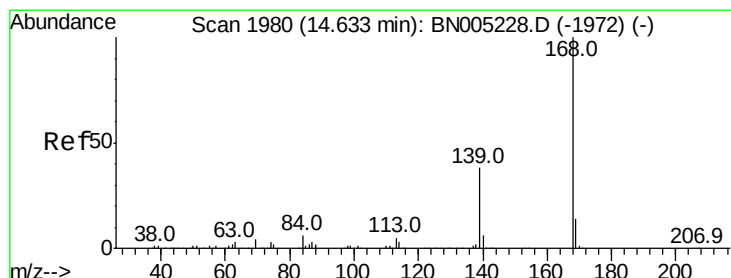
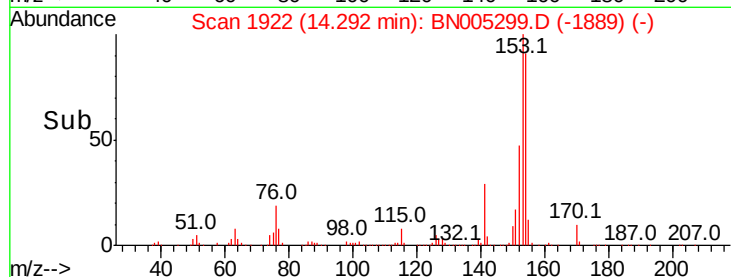
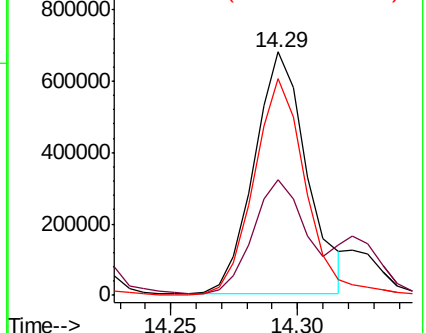
154 89.2 71.2 106.8



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

Dibenzofuran

Concen: 13.038 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005299.D

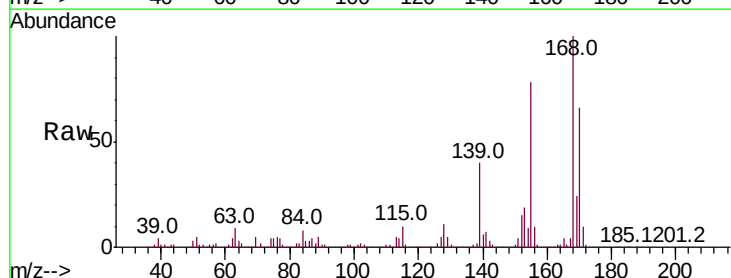
Acq: 26 Apr 2019 02:26

Tgt Ion:168 Resp: 1398563

Ion Ratio Lower Upper

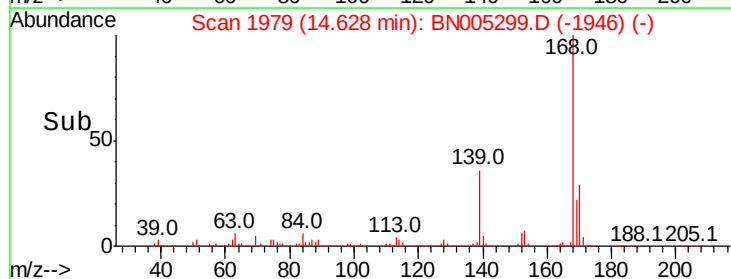
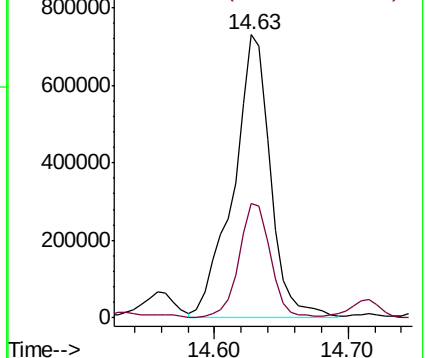
168 100

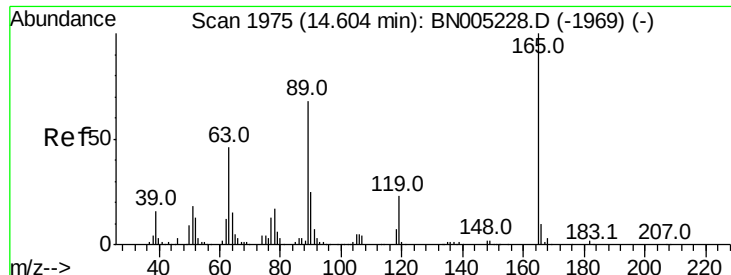
139 40.5 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

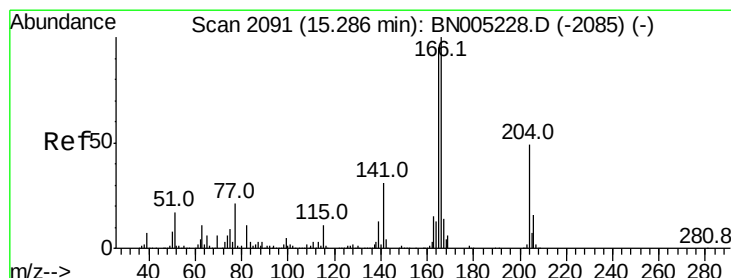
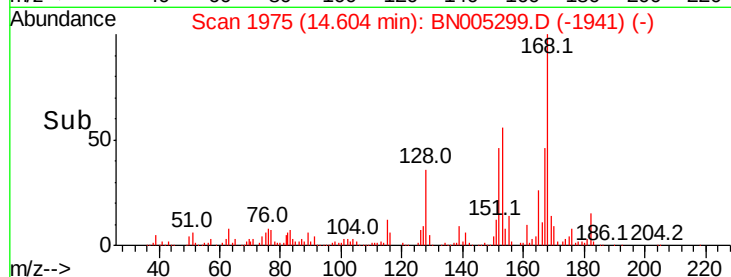
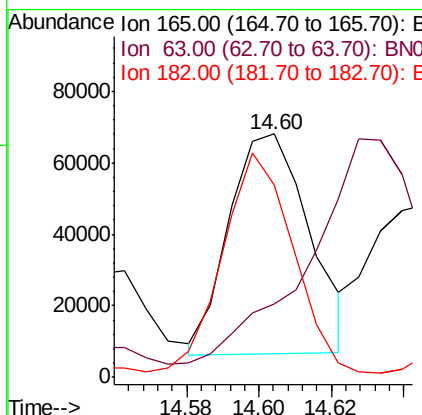
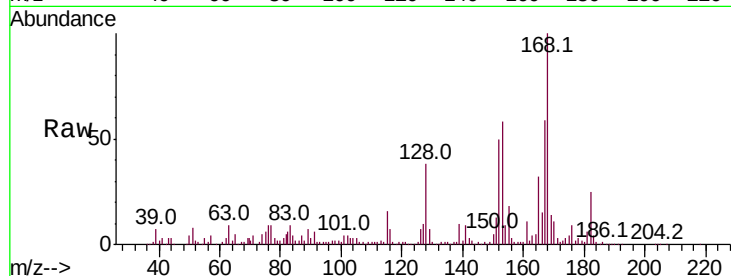




#54
 2,4-Dinitrotoluene
 Concen: 4.239 ng/ul
 RT: 14.60 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: BN005299.D
 Acq: 26 Apr 2019 02:26

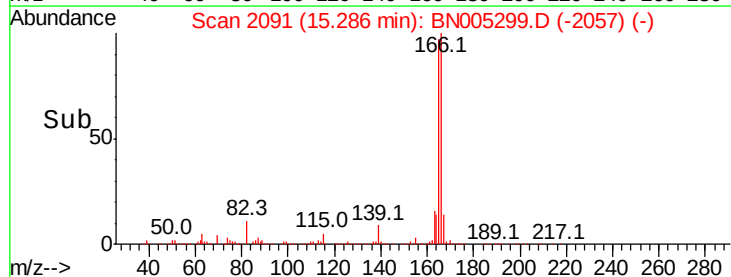
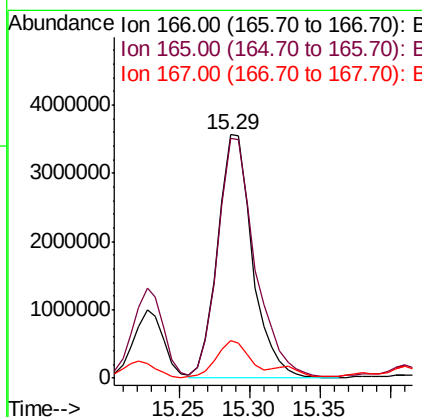
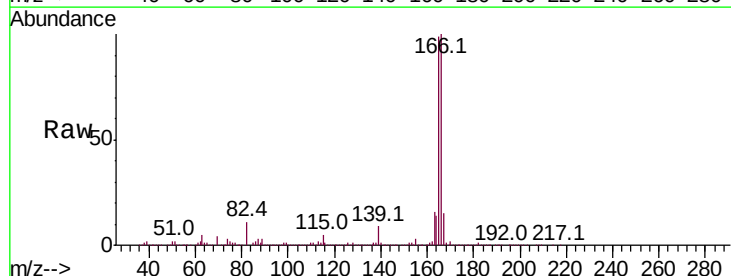
Instrument :
 BNA_N
 ClientSampleId :

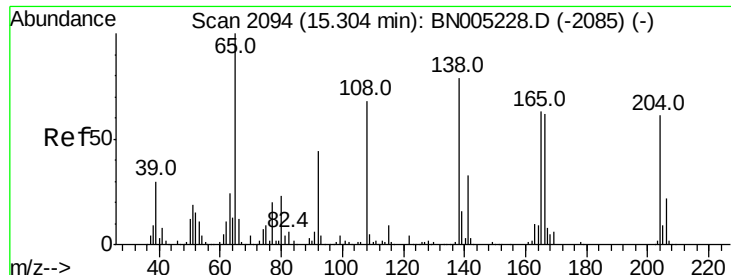
Tot Ion:165 Resp: 95069
 Ion Ratio Lower Upper
 165 100
 63 29.9 38.9 58.3#
 182 79.0 2.6 3.8#



#58
 Fluorene
 Concen: 72.809 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BN005299.D
 Acq: 26 Apr 2019 02:26

Tgt Ion:166 Resp: 6094193
 Ion Ratio Lower Upper
 166 100
 165 98.7 80.0 120.0
 167 15.4 10.7 16.1

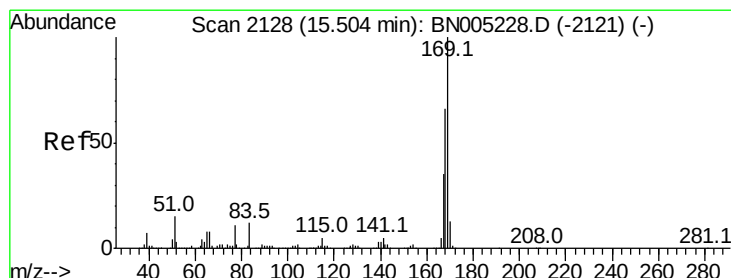
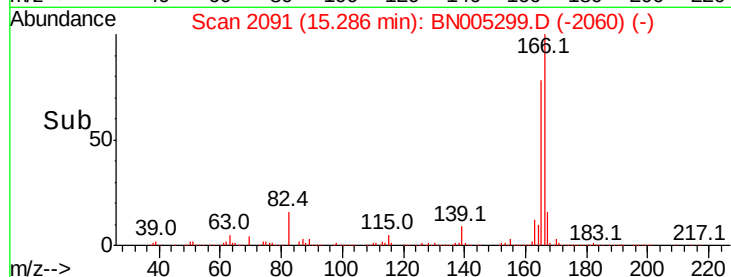
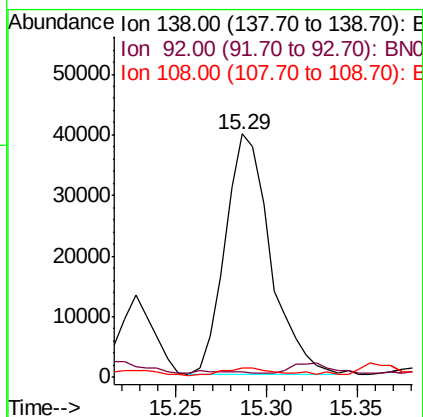
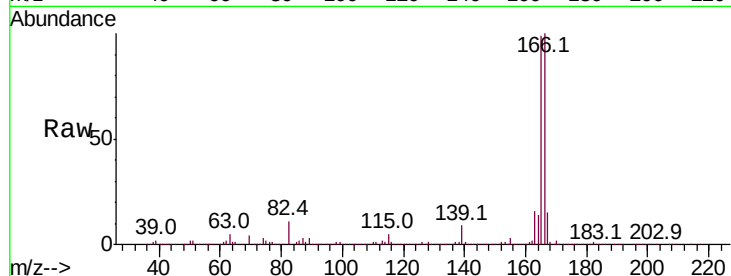




#60
4-Nitroaniline
Concen: 3.804 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. -0.02 min
Lab File: BN005299.D
Acq: 26 Apr 2019 02:26

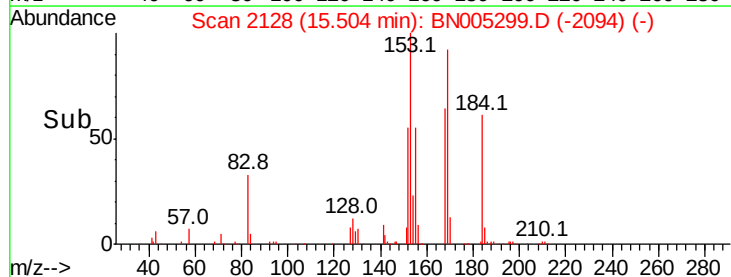
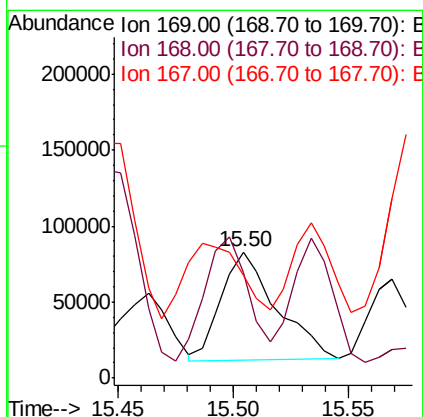
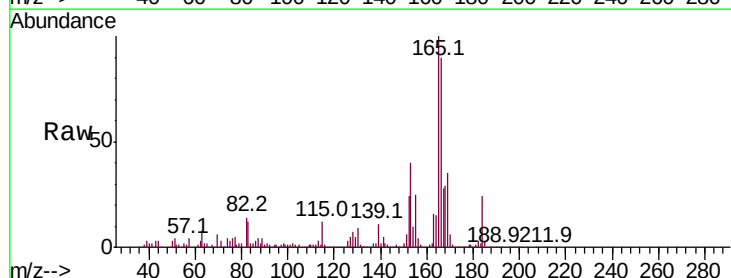
Instrument :
BNA_N
ClientSampled :

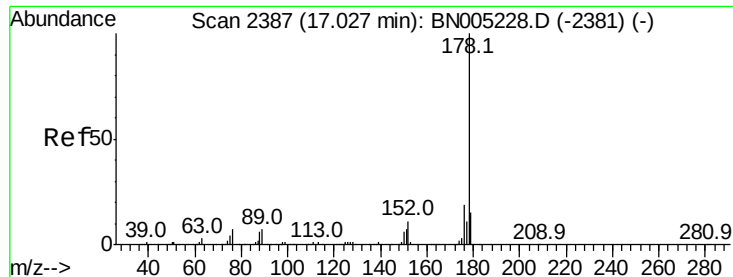
Tot Ion:138 Resp: 68588
Ion Ratio Lower Upper
138 100
92 2.4 45.3 67.9#
108 4.1 73.2 109.8#



#64
N-Nitrosodiphenylamine
Concen: 1.522 ng/ul
RT: 15.50 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BN005299.D
Acq: 26 Apr 2019 02:26

Tgt Ion:169 Resp: 118658
Ion Ratio Lower Upper
169 100
168 83.0 52.2 78.2#
167 81.0 27.7 41.5#





#69

Phenanthrene

Concen: 39.444 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.09 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

Instrument :

BNA_N

ClientSampleId :

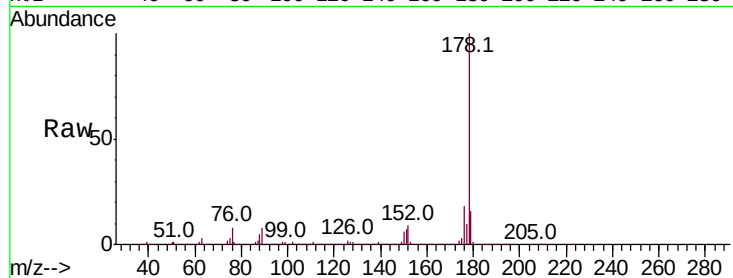
Tot Ion:178 Resp: 5470429

Ion Ratio Lower Upper

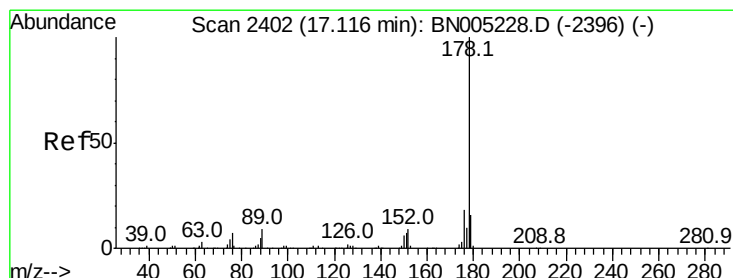
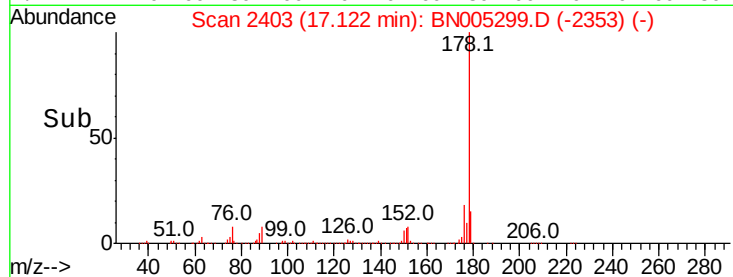
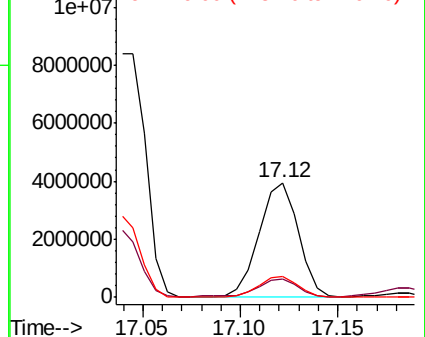
178 100

179 15.6 12.2 18.4

176 18.2 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: 38.720 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

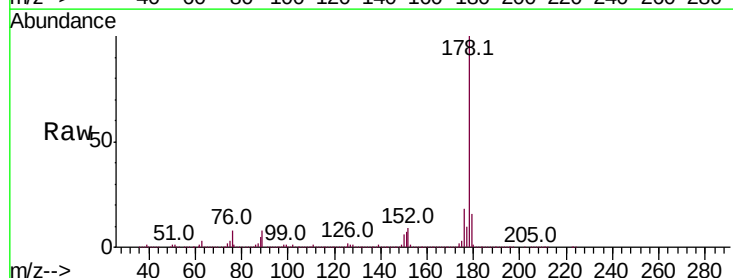
Tgt Ion:178 Resp: 5470429

Ion Ratio Lower Upper

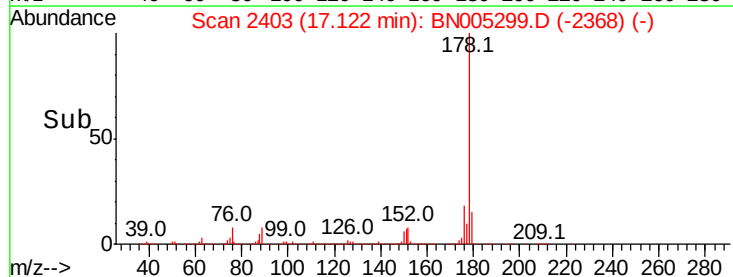
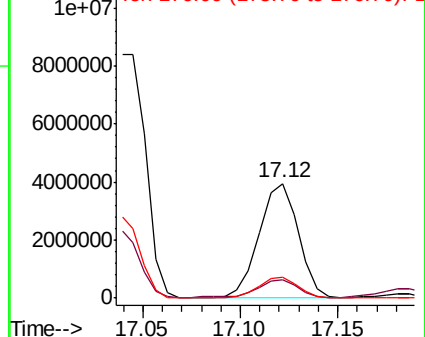
178 100

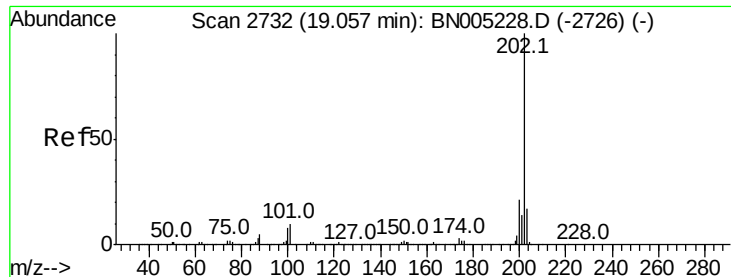
179 15.6 12.3 18.5

176 18.2 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





#76

Fluoranthene

Concen: 36.441 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

Instrument :

BNA_N

ClientSampleId :

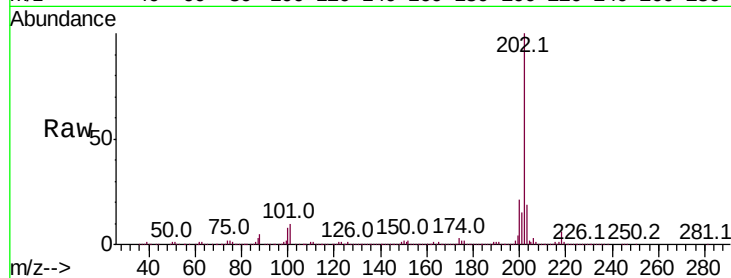
Tot Ion:202 Resp: 5605820

Ion Ratio Lower Upper

202 100

101 10.4 8.6 12.8

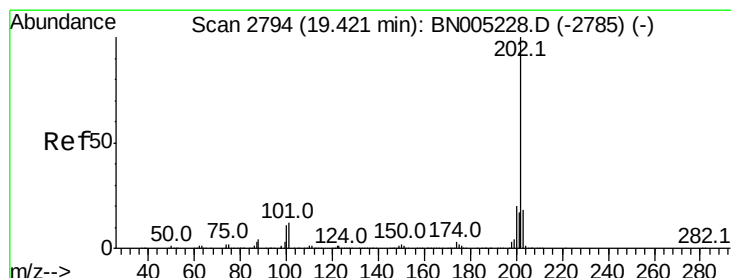
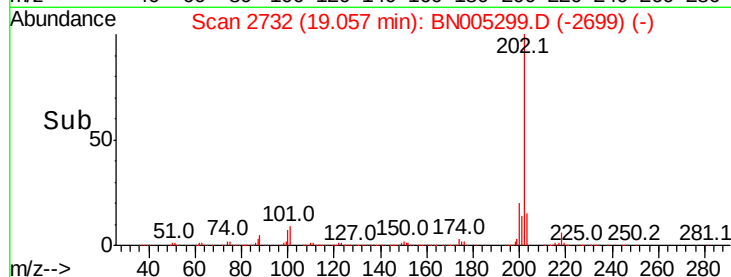
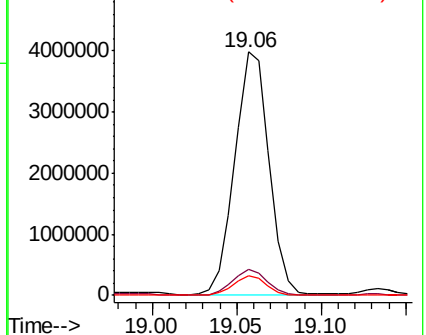
100 7.8 6.3 9.5



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

Pyrene

Concen: 46.794 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

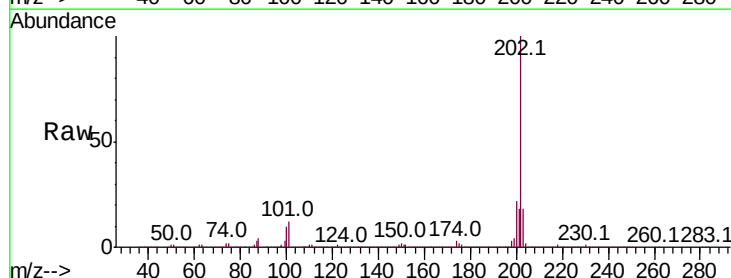
Tgt Ion:202 Resp: 8786753

Ion Ratio Lower Upper

202 100

101 12.1 10.3 15.5

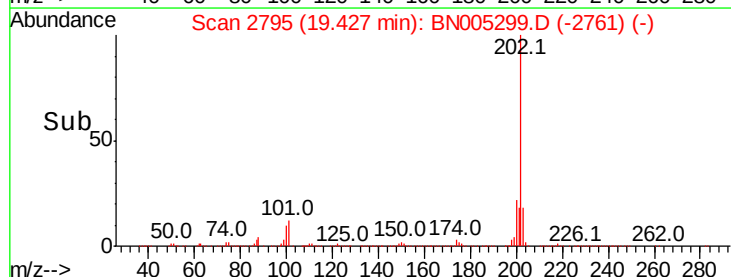
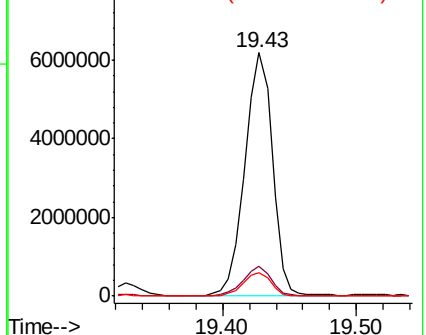
100 9.7 7.9 11.9

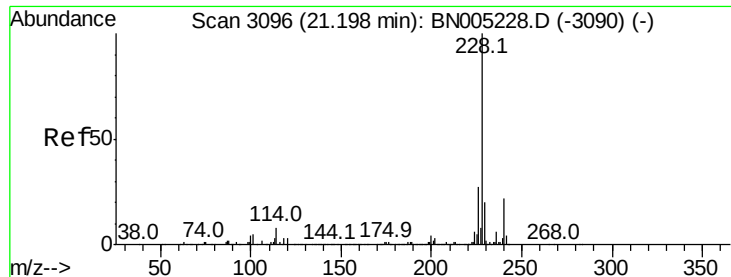


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 16.537 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.05 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

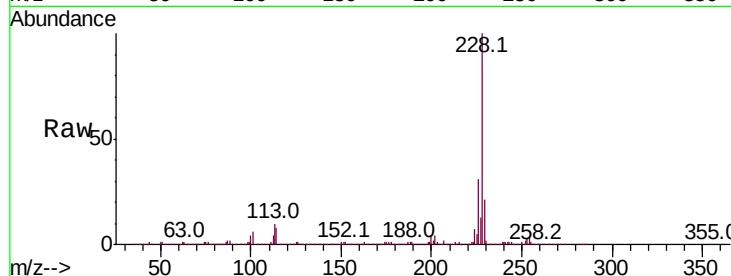
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 3000290

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	30.7	21.4	32.2

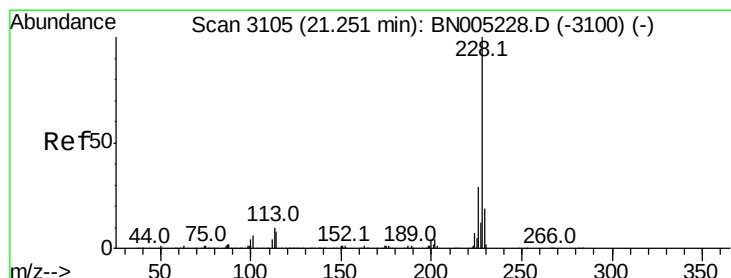
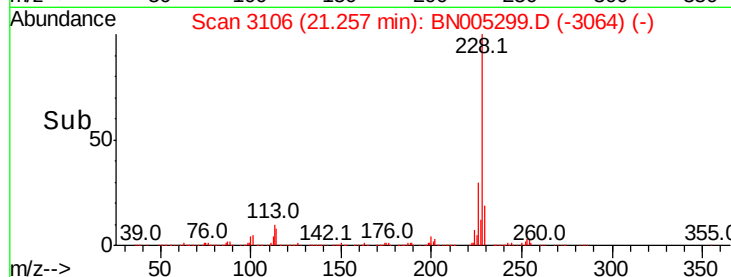
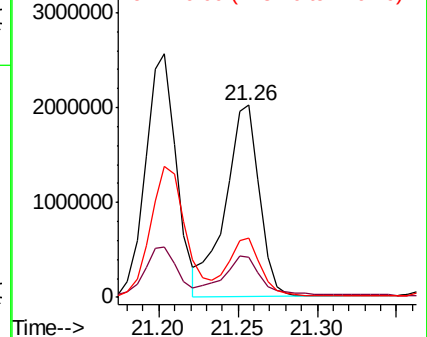


Abundance

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: 17.823 ng/ul

RT: 21.26 min Scan# 3106

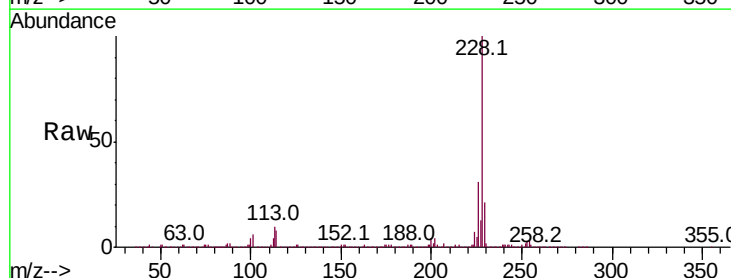
Delta R.T. -0.01 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

Tgt Ion:228 Resp: 3001125

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.8	15.4	23.0

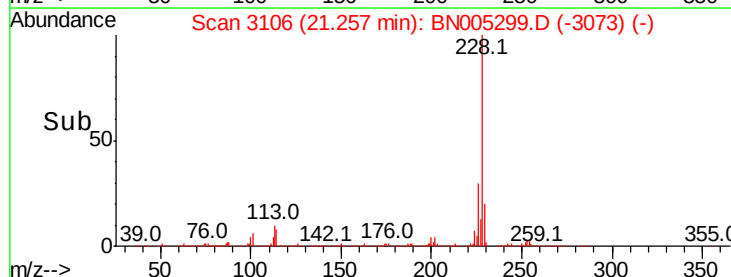
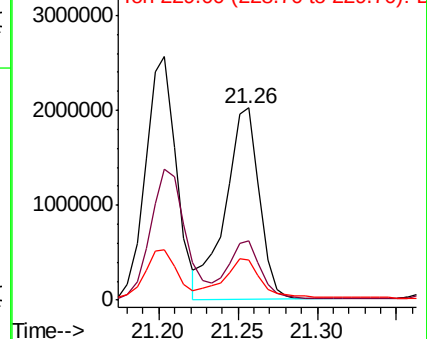


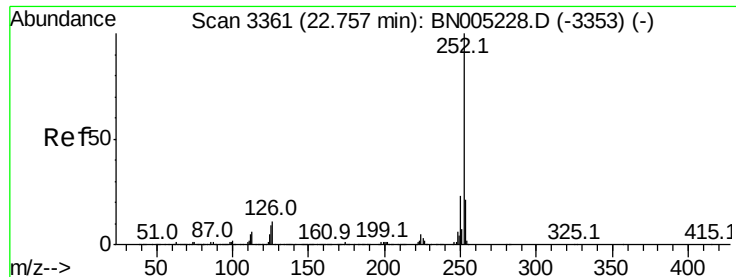
Abundance

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: 9.715 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

Instrument :

BNA_N

ClientSampled :

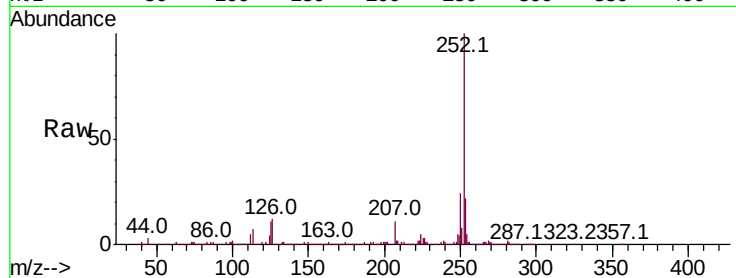
Tot Ion:252 Resp: 1831240

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

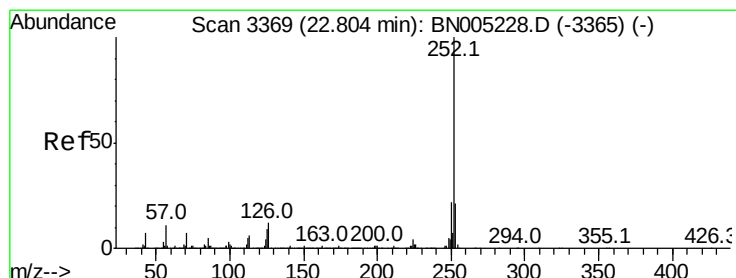
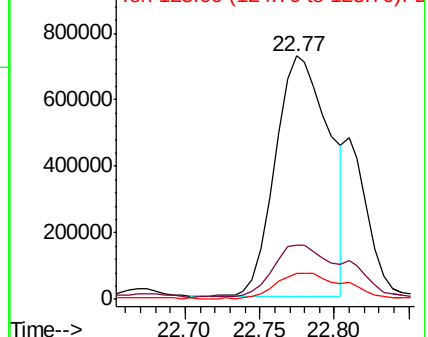
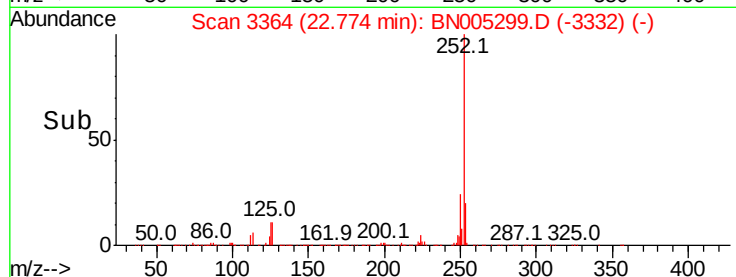
125 10.9 8.4 12.6



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: 10.172 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.05 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

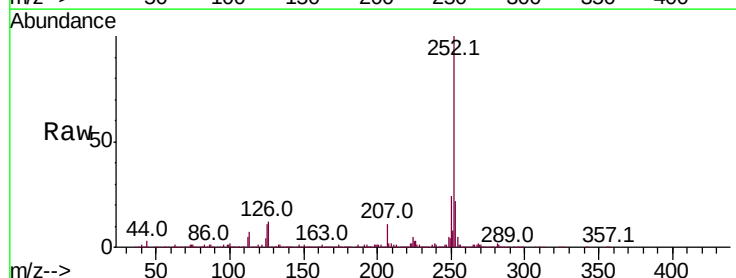
Tgt Ion:252 Resp: 1831240

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

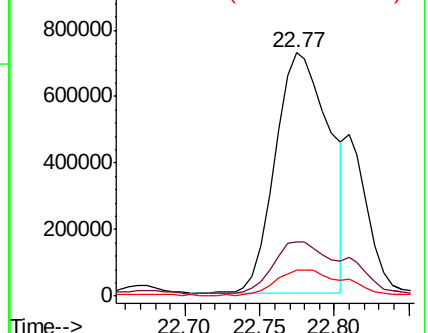
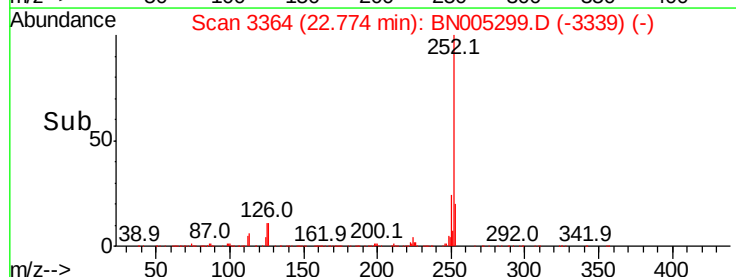
125 10.9 7.5 11.3

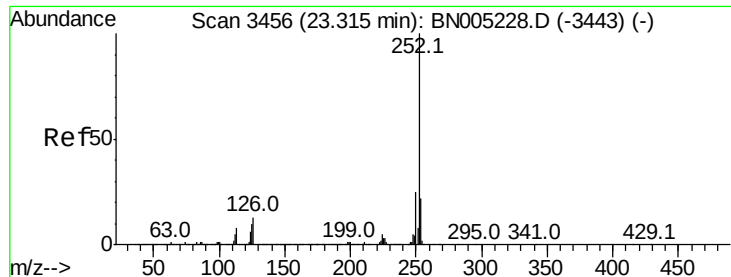


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.079 ng/ul

RT: 23.33 min Scan# 3458

Delta R.T. -0.02 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

Instrument :

BNA_N

ClientSampleId :

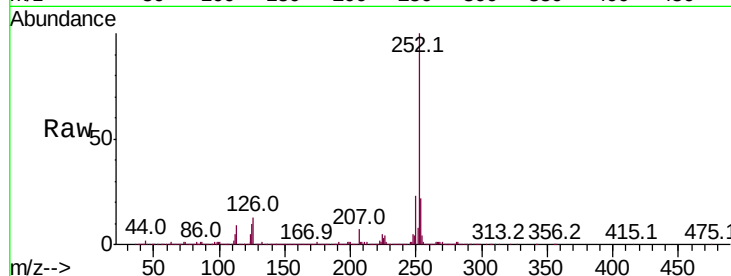
Tot Ion:252 Resp: 2140138

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

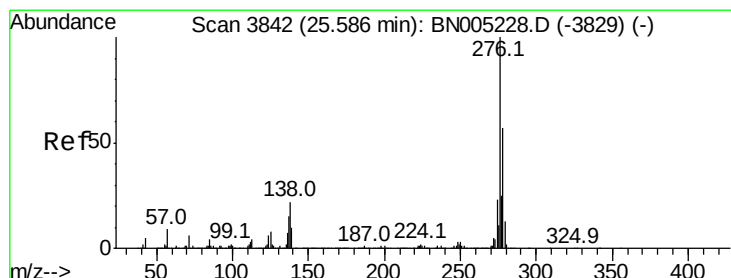
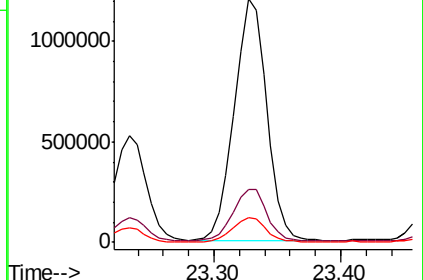
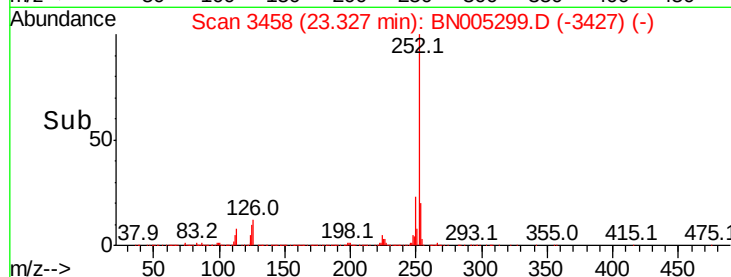
125 10.1 8.6 13.0



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: 3.191 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.03 min

Lab File: BN005299.D

Acq: 26 Apr 2019 02:26

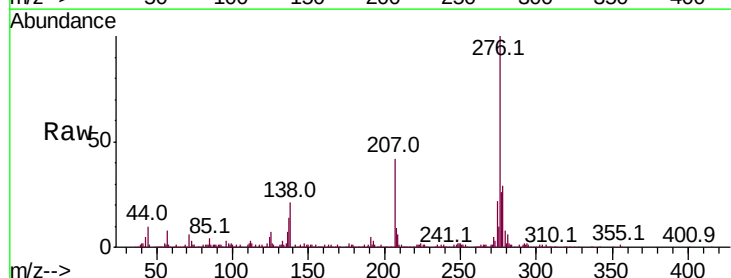
Tgt Ion:276 Resp: 625107

Ion Ratio Lower Upper

276 100

138 21.4 17.9 26.9

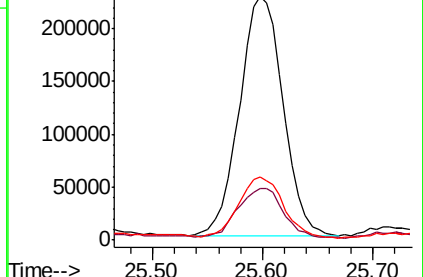
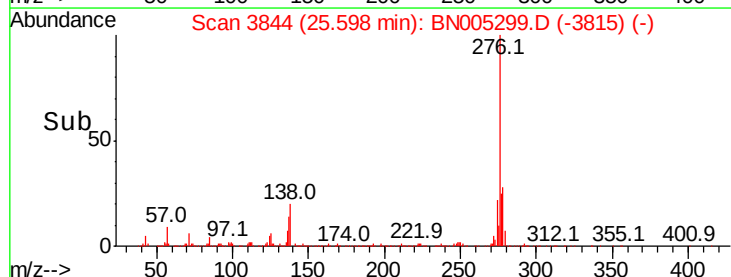
277 25.7 19.7 29.5

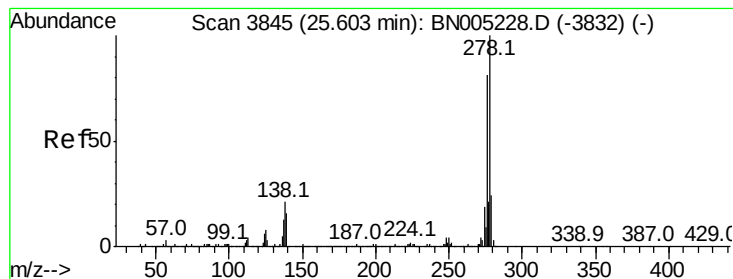


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



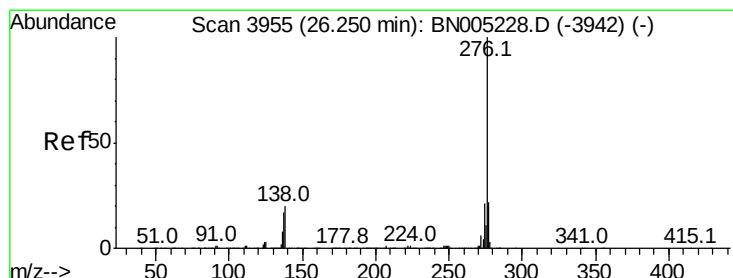
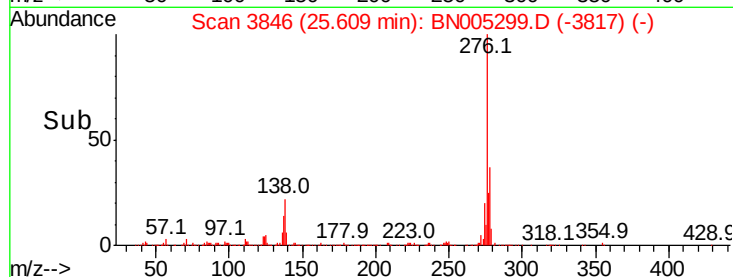
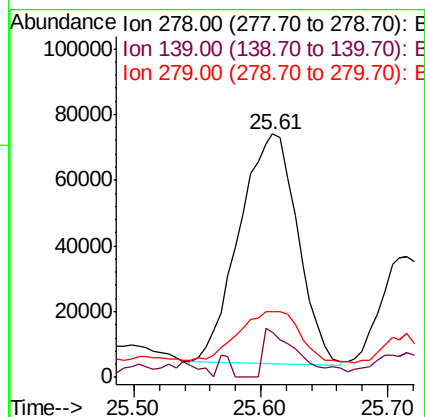
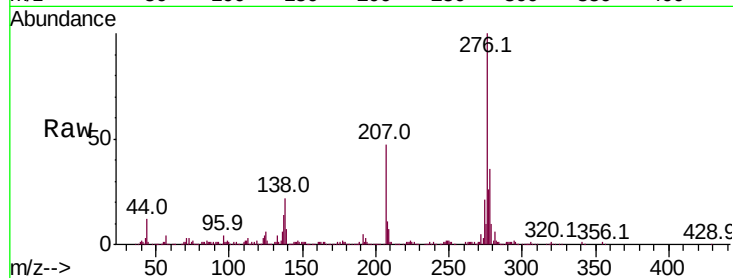


#92

Dibenzo(a,h)anthracene
Concen: 1.341 ng/ul
RT: 25.61 min Scan# 3846
Delta R.T. -0.03 min
Lab File: BN005299.D
Acq: 26 Apr 2019 02:26

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.4	13.1	19.7
279	27.2	19.4	29.0



#93

Benzo(g,h,i)perylene
Concen: 3.299 ng/ul
RT: 26.26 min Scan# 3957
Delta R.T. -0.03 min
Lab File: BN005299.D
Acq: 26 Apr 2019 02:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	16.7	25.1
277	24.3	18.2	27.2

