

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080818\
 Data File : BN002244.D
 Acq On : 08 Aug 2018 10:39
 Operator : JU/SJ
 Sample : J4178-03RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 09 02:16:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 09 02:16:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	335533	20.00	ng/ul	0.01
18) Naphthalene-d8	10.46	136	1342075	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.33	164	645455	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.10	188	1011798	20.00	ng/ul	0.04
77) Chrysene-d12	21.33	240	14208	20.00	ng/ul	0.06
85) Perylene-d12	23.54	264	982173	20.00	ng/ul	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	18794	2.53	ng/uL	0.00
5) Phenol-d5	6.87	99	439926	13.92	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.03	67	317421	16.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	378136	15.15	ng/ul	0.01
13) 4-Methylphenol-d8	8.39	113	355113	13.95	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	192605	17.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	205608	16.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	350864	15.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	317181	12.12	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	1002818	18.33	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	1258222	18.49	ng/ul	0.01
51) 4-Nitrophenol-d4	14.55	143	125526	12.01	ng/ul	0.02
57) Fluorene-d10	15.33	176	795127	16.90	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.45	200	115868	17.58	ng/ul	0.00
70) Anthracene-d10	17.20	188	947751	19.21	ng/ul	0.04
78) Pyrene-d10	19.52	212	1096022	1483.92	ng/ul	0.06
89) Benzo(a)pyrene-d12	23.41	264	1054947	19.89	ng/ul	0.06
Target Compounds						
6) Phenol	6.90	94	265260	8.360	ng/ul	92
16) 4-Methylphenol	8.46	108	34697	1.310	ng/ul	96
24) 2,4-Dimethylphenol	9.65	107	75511	2.929	ng/ul	89
28) Naphthalene	10.51	128	171981	2.426	ng/ul	98
31) Hexachlorobutadiene	10.80	225	54499	4.209	ng/ul	96
44) Dimethylphthalate	13.78	163	247471	4.618	ng/ul#	87
45) 2,6-Dinitrotoluene	13.88	165	87659	7.739	ng/ul#	25
47) Acenaphthylene	14.06	152	112904	1.728	ng/ul#	1
48) 3-Nitroaniline	14.23	138	144850	12.974	ng/ul#	15
52) 4-Nitrophenol	14.55	109	255254	34.940	ng/ul#	5
59) 4-Chlorophenyl-phenylether	15.40	204	87872	3.478	ng/ul#	1
60) 4-Nitroaniline	15.56	138	85176	6.590	ng/ul	89
63) 4,6-Dinitro-2-methylphenol	15.52	198	21529	3.155	ng/ul#	1
64) N-Nitrosodiphenylamine	15.61	169	466334	15.069	ng/ul#	41
66) Hexachlorobenzene	16.42	284	18408	1.494	ng/ul#	1
69) Phenanthrene	17.15	178	339776	5.980	ng/ul#	1
72) 1,2,3,4-Tetrachlorobenzene	13.12	216	43582	2.889	ng/uL	97
73) Pentachlorobenzene	14.65	250	26801	1.899	ng/uL	98
75) Di-n-butylphthalate	18.08	149	1122853	17.348	ng/ul#	52
76) Fluoranthene	19.18	202	68895	1.143	ng/ul#	61
79) Pyrene	19.55	202	145859	159.984	ng/ul#	1
80) Butylbenzylphthalate	20.43	149	45207	104.395	ng/ul#	69
81) 3,3'-Dichlorobenzidine	21.26	252	1102	3.658	ng/ul#	18

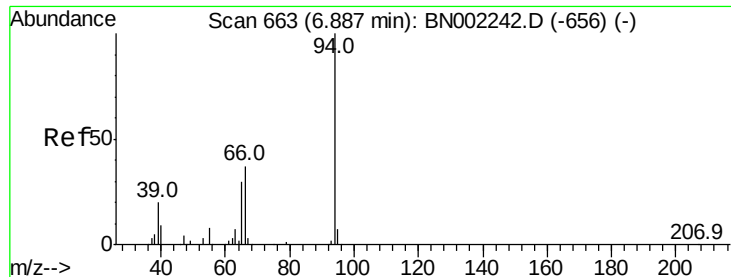
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080818\
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 09 02:16:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Benzo(a)anthracene	21.32	228	2158	2.385	ng/ul#	1
83) Bis(2-ethylhexyl)phthalate	21.24	149	3499048	5706.717	ng/ul#	97
84) Chrysene	21.39	228	15714	18.631	ng/ul#	1
86) Di-n-octyl phthalate	22.14	149	382197	5.925	ng/ul#	1

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



#6

Phenol

Concen: 8.360 ng/ul

RT: 6.90 min Scan# 665

Delta R.T. 0.01 min

Lab File: BN002244.D

Acq: 08 Aug 2018 10:39

Instrument :

BNA_E

ClientSampleId :

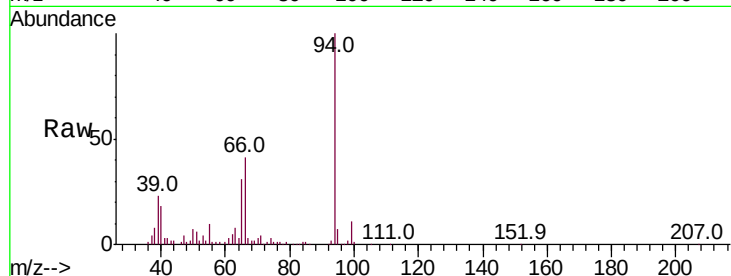
Tot Ion: 94 Resp: 265260

Ion Ratio Lower Upper

94 100

65 30.8 21.0 31.6

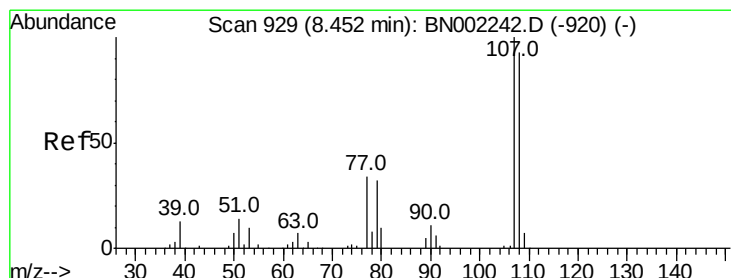
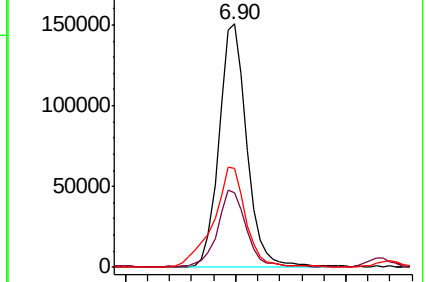
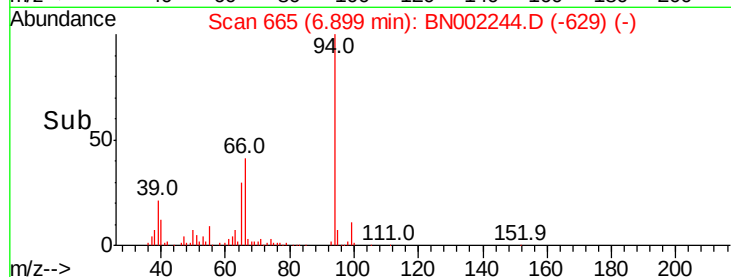
66 40.8 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BN002244.D (-656) (-)

Ion 65.00 (64.70 to 65.70): BN002244.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BN002244.D (-656) (-)



#16

4-Methylphenol

Concen: 1.310 ng/ul

RT: 8.46 min Scan# 931

Delta R.T. 0.01 min

Lab File: BN002244.D

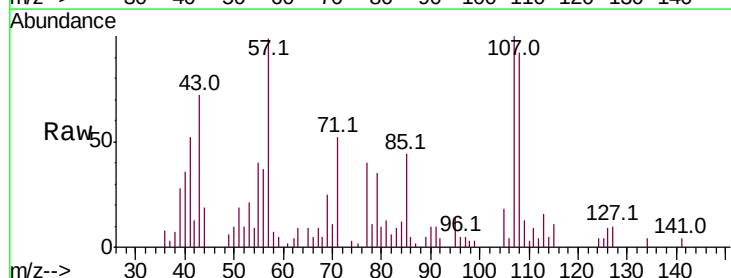
Acq: 08 Aug 2018 10:39

Tgt Ion:108 Resp: 34697

Ion Ratio Lower Upper

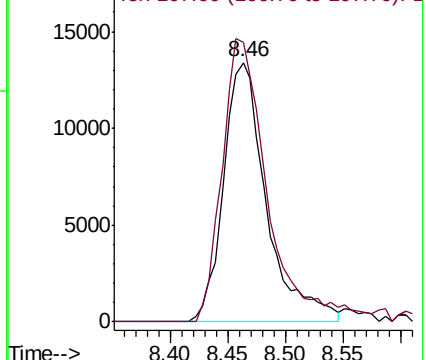
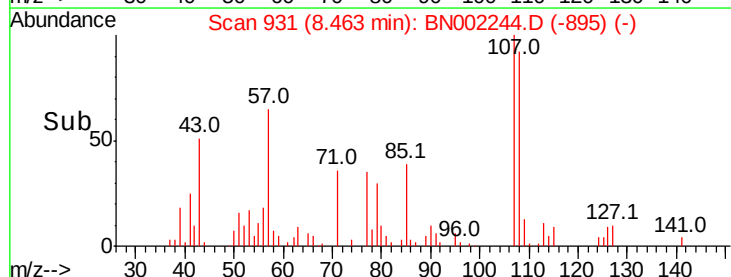
108 100

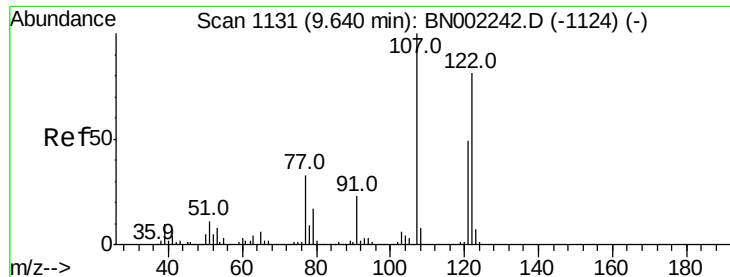
107 108.1 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): BN002244.D (-895) (-)

Ion 107.00 (106.70 to 107.70): BN002244.D (-895) (-)

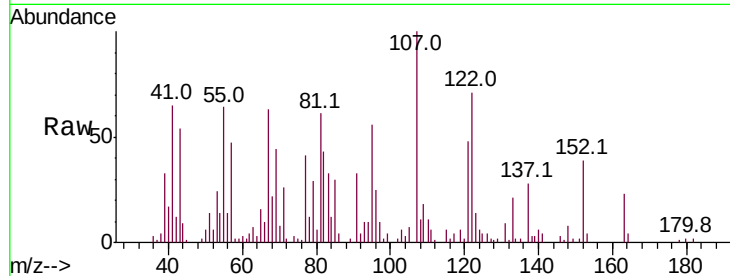




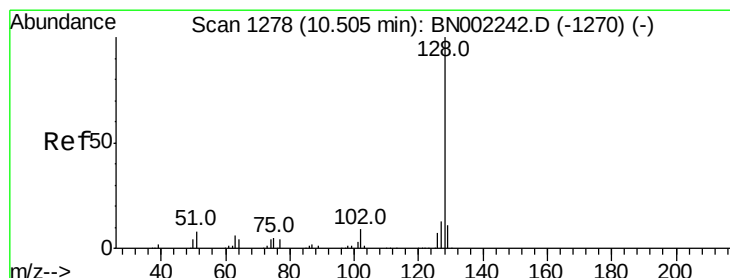
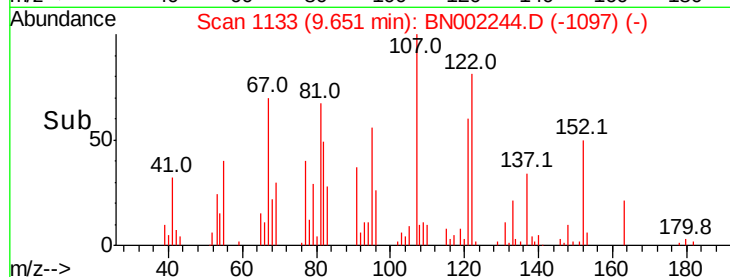
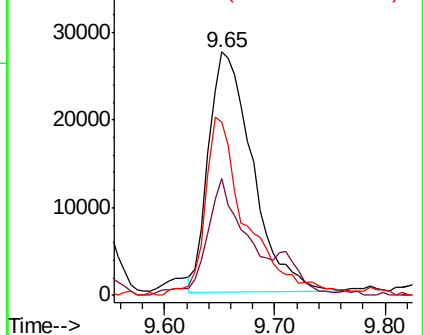
#24
 2,4-Dimethylphenol
 Concen: 2.929 ng/ul
 RT: 9.65 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:107 Resp: 75511
 Ion Ratio Lower Upper
 107 100
 121 48.2 40.6 61.0
 122 71.1 67.8 101.6

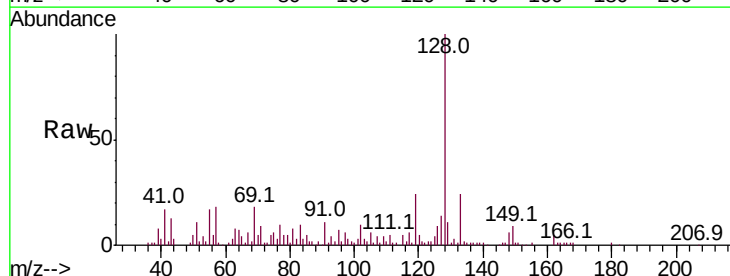


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E
 Ion 122.00 (121.70 to 122.70): E

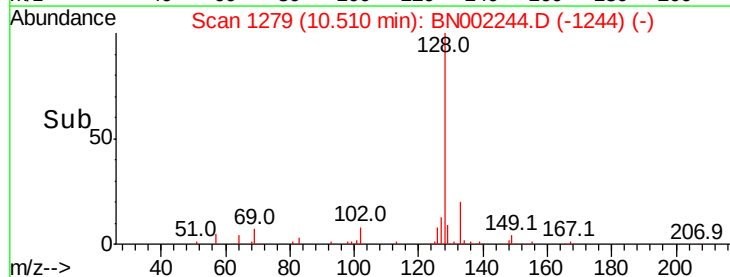
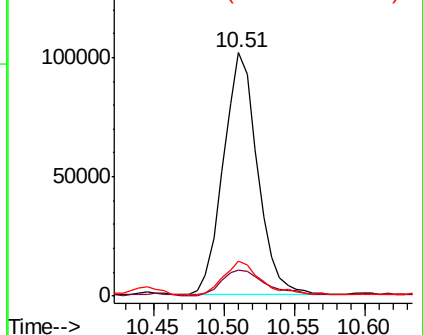


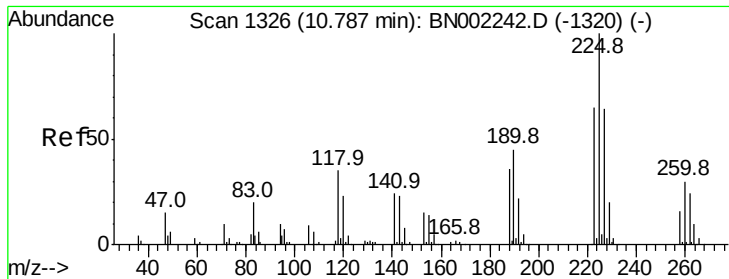
#28
 Naphthalene
 Concen: 2.426 ng/ul
 RT: 10.51 min Scan# 1279
 Delta R.T. 0.01 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

Tgt Ion:128 Resp: 171981
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.8 13.2
 127 14.3 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

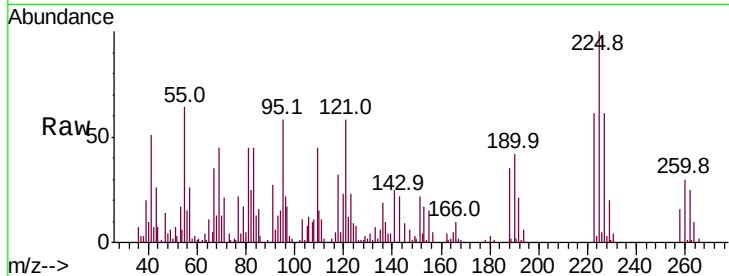




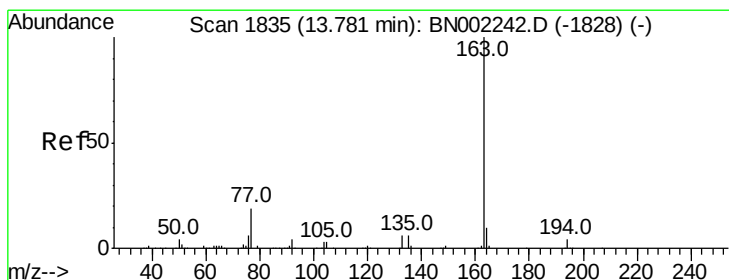
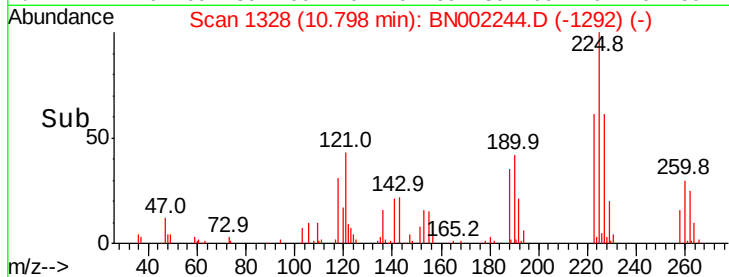
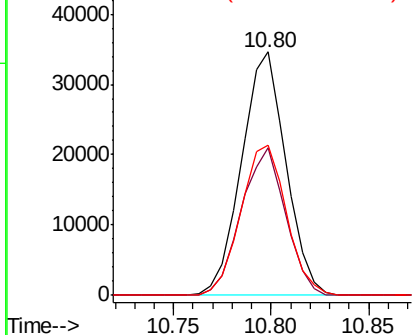
#31
 Hexachlorobutadiene
 Concen: 4.209 ng/ul
 RT: 10.80 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

Instrument :
 BNA_E
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
225	100		
223	60.7	51.4	77.2
227	61.4	50.7	76.1

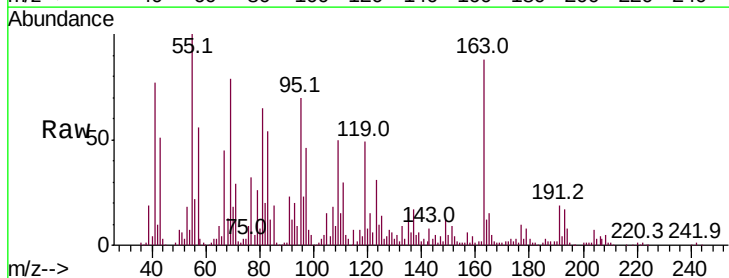


Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E

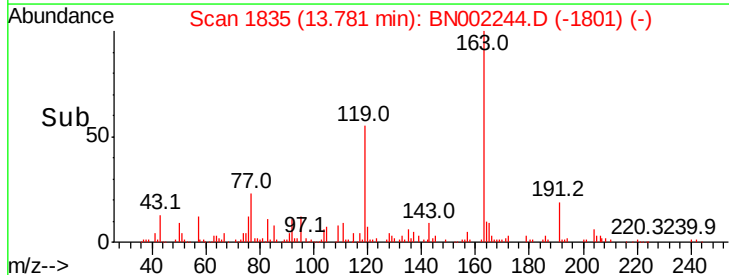
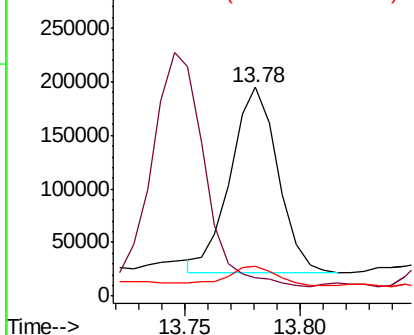


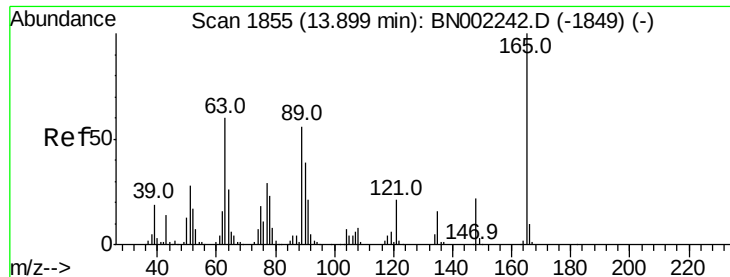
#44
 Dimethylphthalate
 Concen: 4.618 ng/ul
 RT: 13.78 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	9.1	3.2	4.8#
164	14.1	7.8	11.8#



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

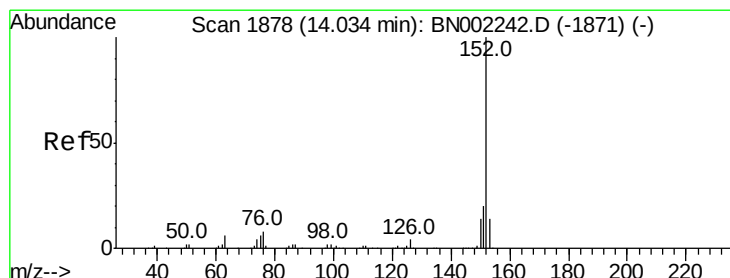
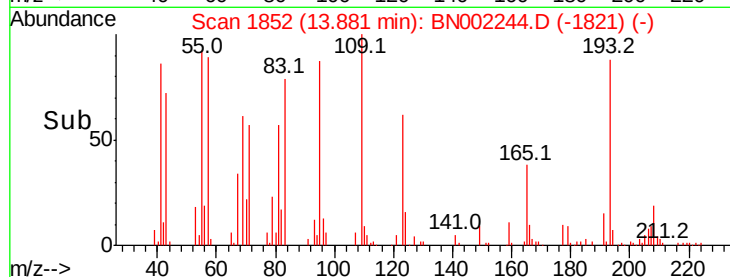
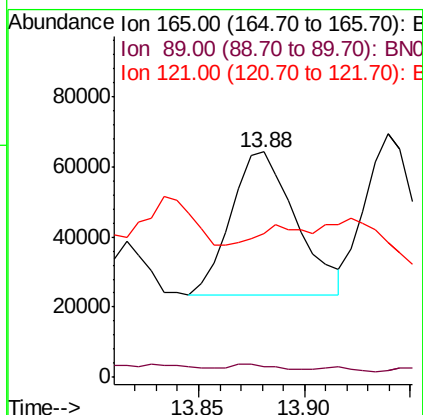
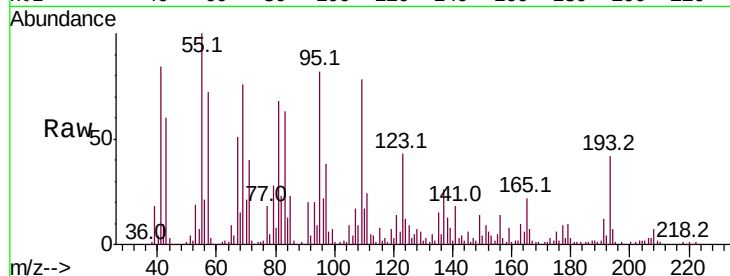




#45
 2,6-Dinitrotoluene
 Concen: 7.739 ng/ul
 RT: 13.88 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

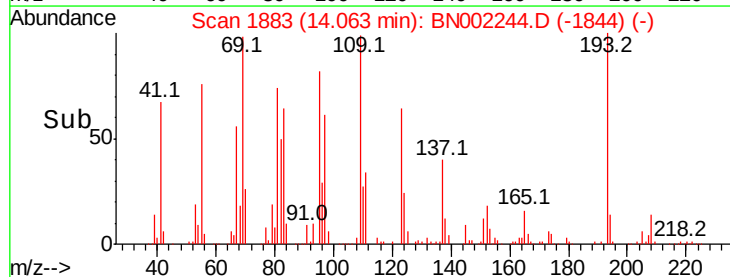
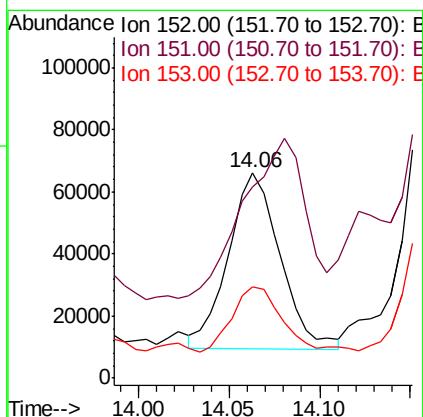
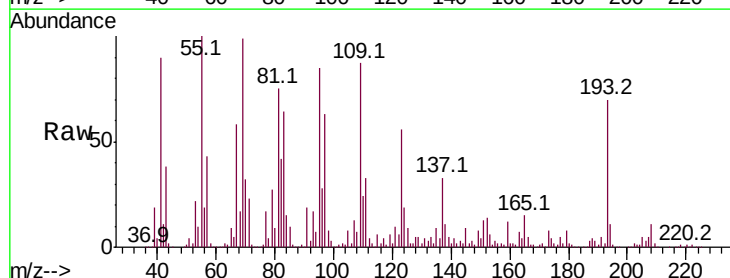
Instrument :
 BNA_E
 ClientSampleID :

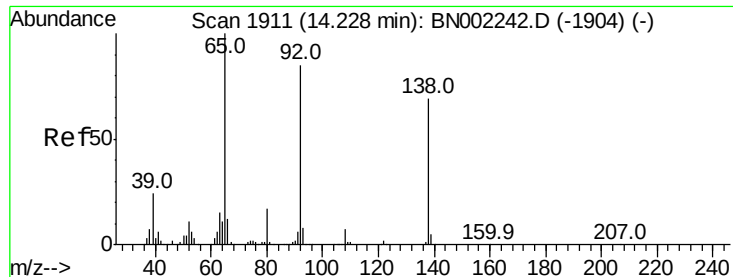
Tot Ion:165 Resp: 87659
 Ion Ratio Lower Upper
 165 100
 89 5.0 42.4 63.6#
 121 63.9 16.6 24.8#



#47
 Acenaphthylene
 Concen: 1.728 ng/ul
 RT: 14.06 min Scan# 1883
 Delta R.T. 0.03 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

Tgt Ion:152 Resp: 112904
 Ion Ratio Lower Upper
 152 100
 151 93.2 15.7 23.5#
 153 44.5 10.5 15.7#





#48

3-Nitroaniline

Concen: 12.974 ng/ul

RT: 14.23 min Scan# 1912

Delta R.T. 0.01 min

Lab File: BN002244.D

Acq: 08 Aug 2018 10:39

Instrument :

BNA_E

ClientSampleId :

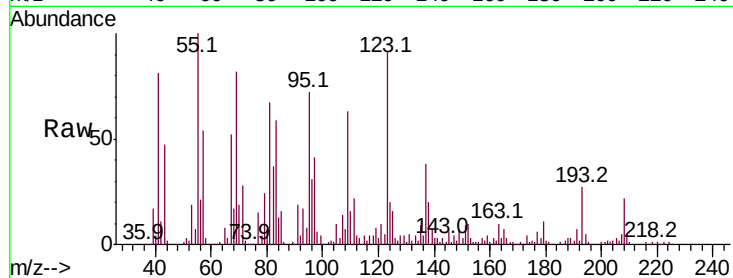
Tot Ion:138 Resp: 144850

Ion Ratio Lower Upper

138 100

108 35.4 8.7 13.1#

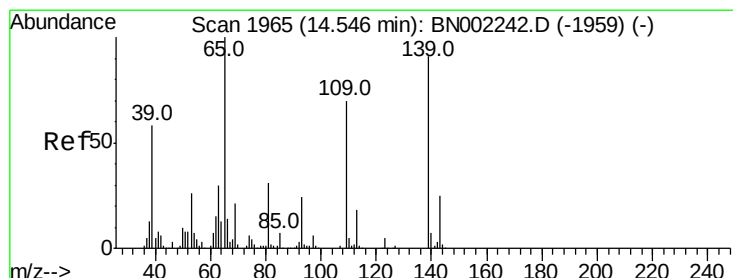
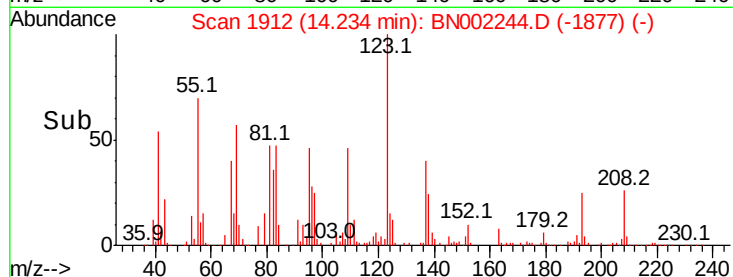
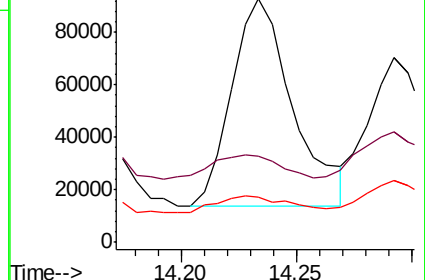
92 18.8 88.2 132.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC



#52

4-Nitrophenol

Concen: 34.940 ng/ul

RT: 14.55 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BN002244.D

Acq: 08 Aug 2018 10:39

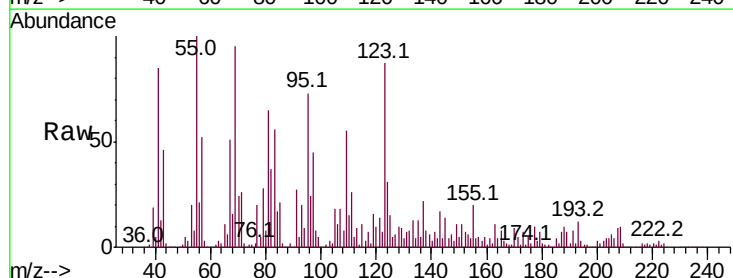
Tgt Ion:109 Resp: 255254

Ion Ratio Lower Upper

109 100

139 11.0 103.7 155.5#

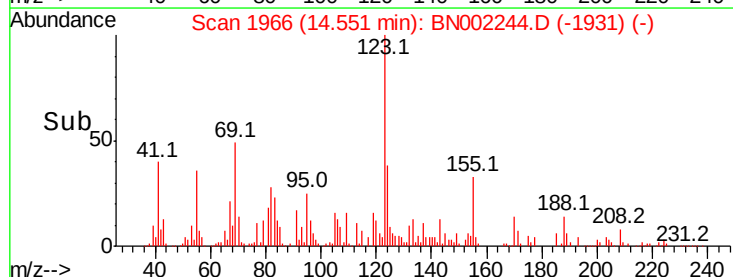
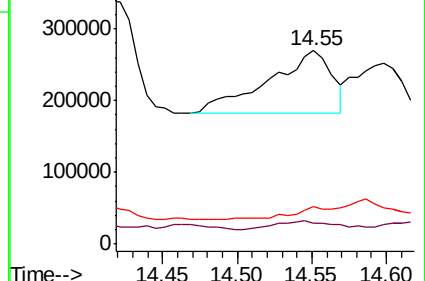
65 19.3 89.4 134.2#

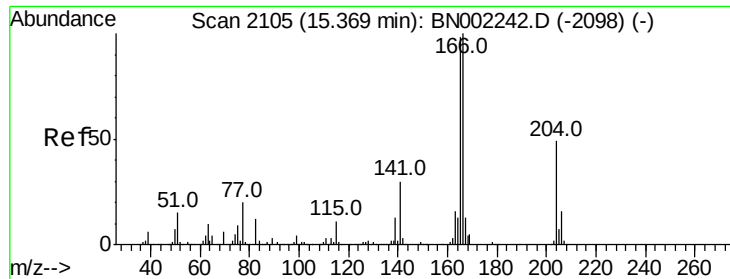


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC

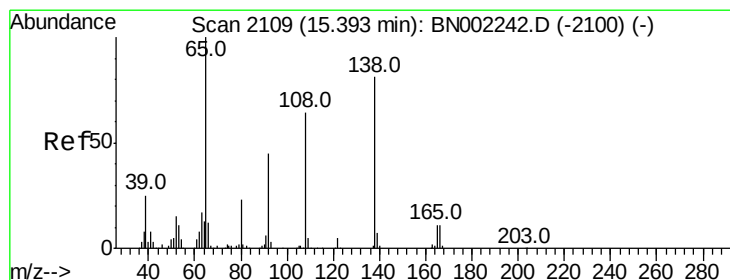
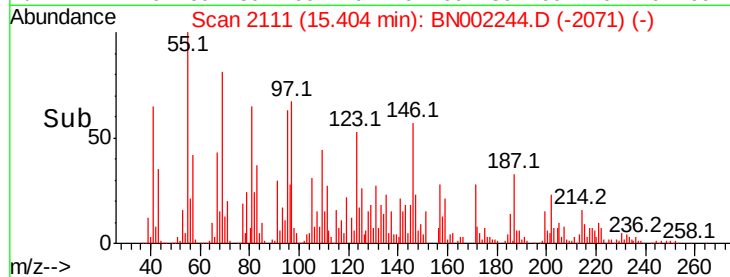
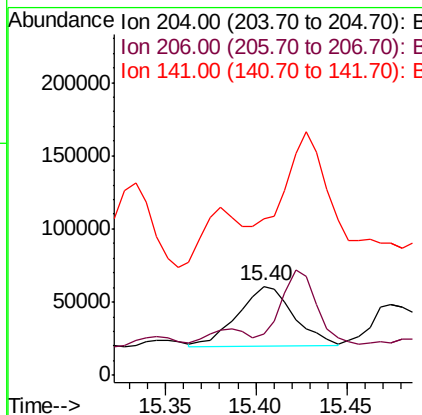
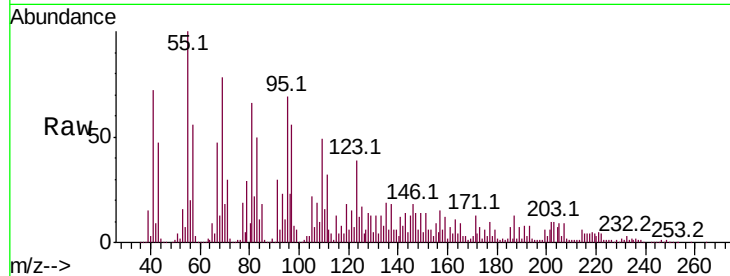




#59
4-Chlorophenyl-phenylether
Concen: 3.478 ng/ul
RT: 15.40 min Scan# 2111
Delta R.T. 0.04 min
Lab File: BN002244.D
Acq: 08 Aug 2018 10:39

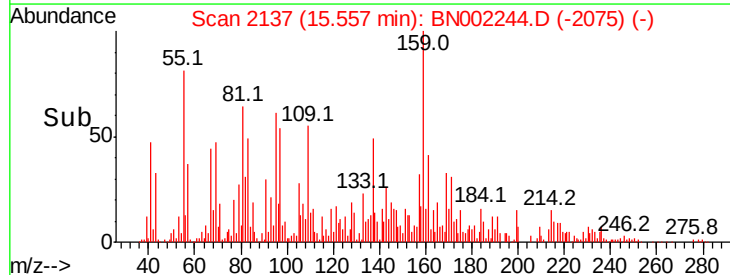
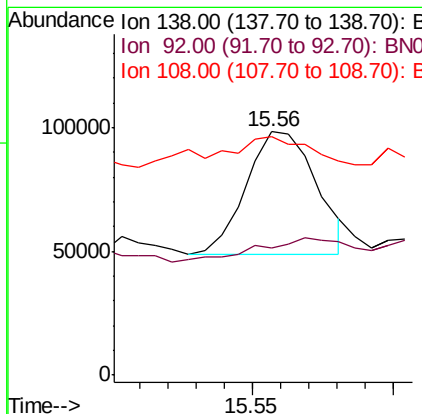
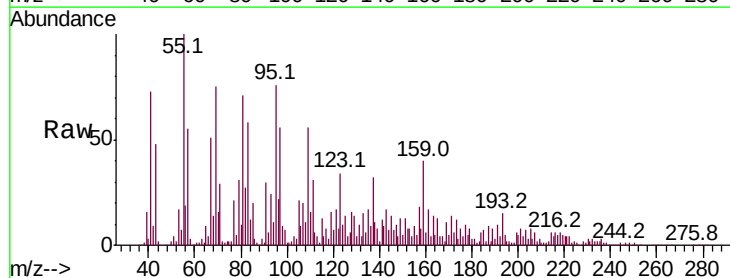
Instrument :
BNA_E
ClientSampled :

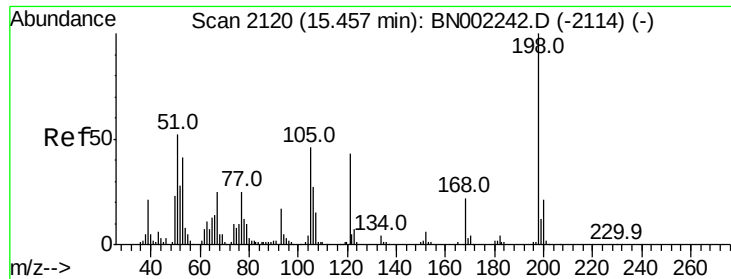
Tot Ion:204 Resp: 87872
Ion Ratio Lower Upper
204 100
206 47.1 26.2 39.4#
141 176.5 54.6 81.8#



#60
4-Nitroaniline
Concen: 6.590 ng/ul
RT: 15.56 min Scan# 2137
Delta R.T. 0.16 min
Lab File: BN002244.D
Acq: 08 Aug 2018 10:39

Tgt Ion:138 Resp: 85176
Ion Ratio Lower Upper
138 100
92 52.2 40.6 60.8
108 98.1 67.0 100.6

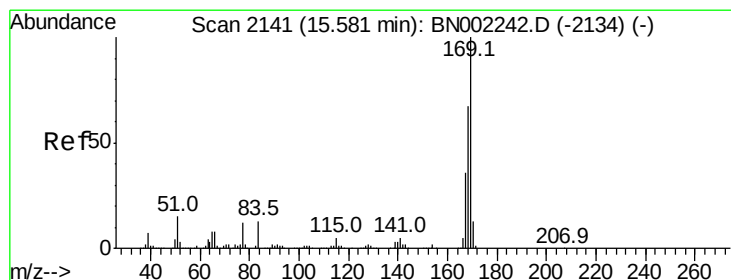
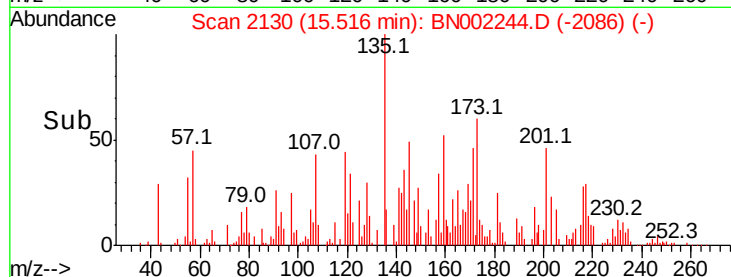
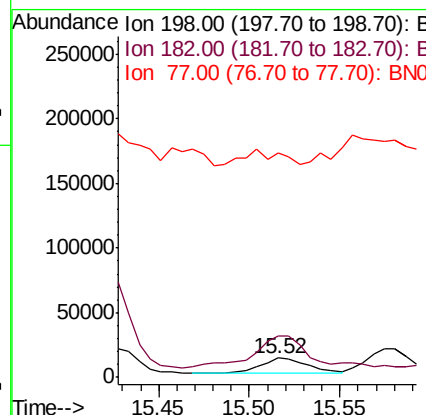
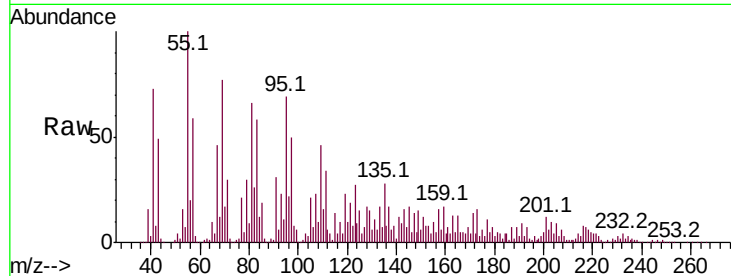




#63
4,6-Dinitro-2-methylphenol
Concen: 3.155 ng/ul
RT: 15.52 min Scan# 2130
Delta R.T. 0.06 min
Lab File: BN002244.D
Acq: 08 Aug 2018 10:39

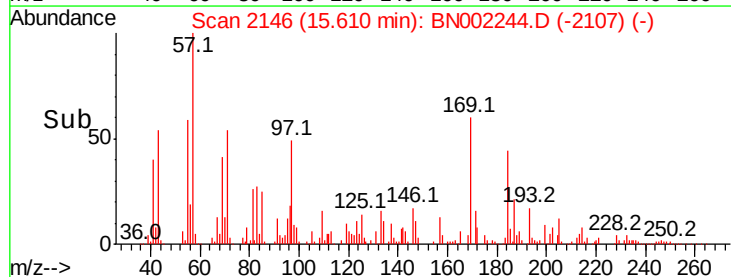
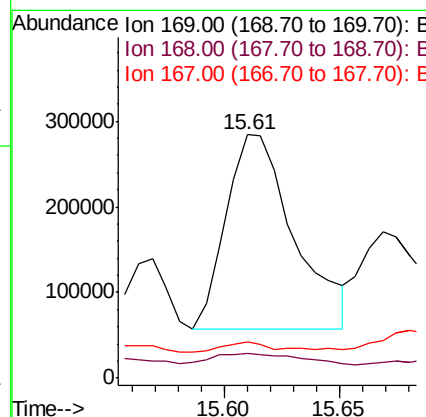
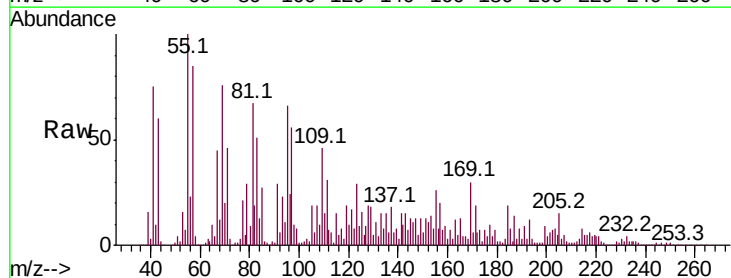
Instrument :
BNA_E
ClientSampleId :

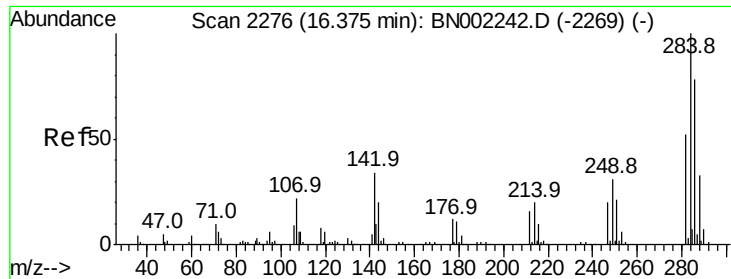
Tot Ion:198 Resp: 21529
Ion Ratio Lower Upper
198 100
182 215.9 3.1 4.7#
77 1171.9 20.1 30.1#



#64
N-Nitrosodiphenylamine
Concen: 15.069 ng/ul
RT: 15.61 min Scan# 2146
Delta R.T. 0.03 min
Lab File: BN002244.D
Acq: 08 Aug 2018 10:39

Tgt Ion:169 Resp: 466334
Ion Ratio Lower Upper
169 100
168 10.0 53.8 80.8#
167 14.7 29.3 43.9#

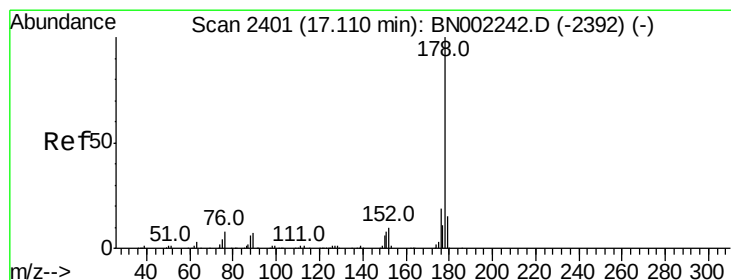
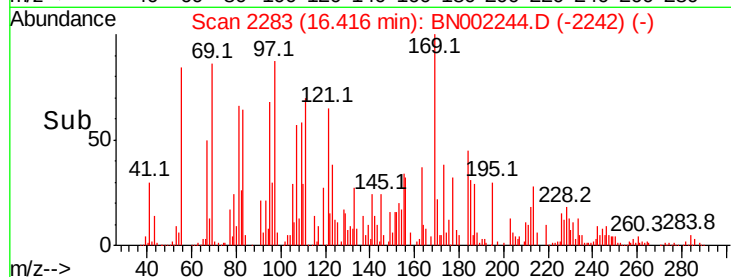
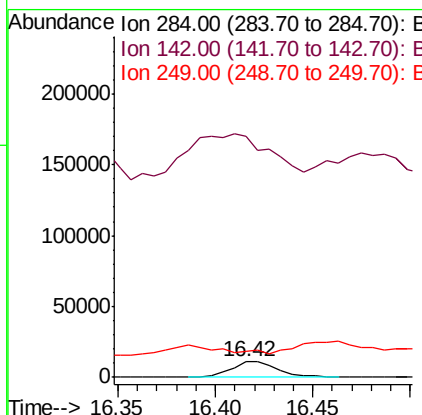
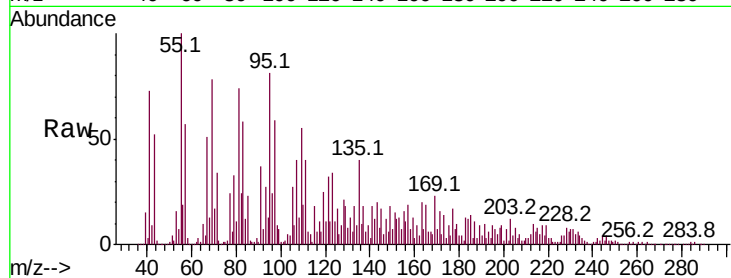




#66
Hexachlorobenzene
Concen: 1.494 ng/ul
RT: 16.42 min Scan# 2283
Delta R.T. 0.04 min
Lab File: BN002244.D
Acq: 08 Aug 2018 10:39

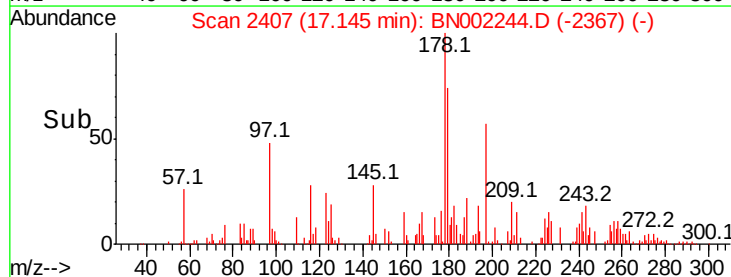
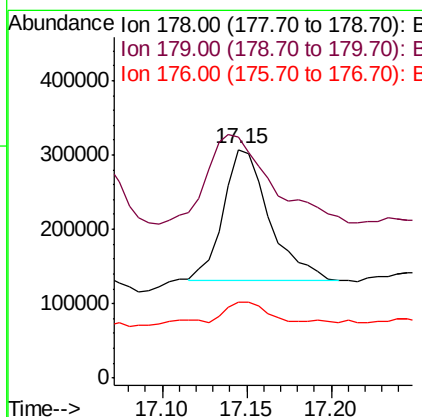
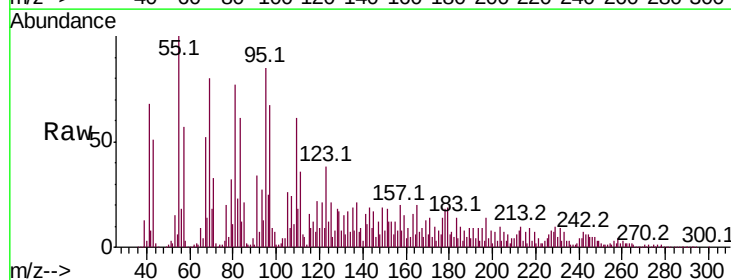
Instrument :
BNA_E
ClientSampleId :

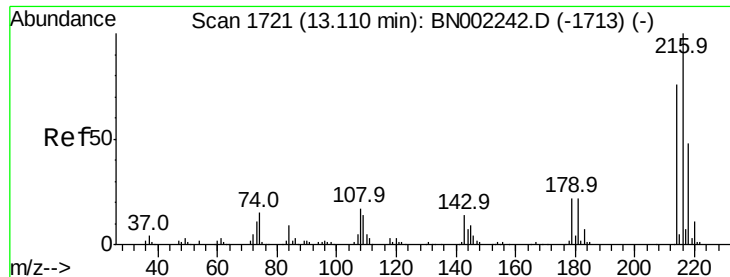
Tot Ion:284 Resp: 18408
Ion Ratio Lower Upper
284 100
142 1550.0 33.1 49.7#
249 164.0 27.1 40.7#



#69
Phenanthrene
Concen: 5.980 ng/ul
RT: 17.15 min Scan# 2407
Delta R.T. 0.04 min
Lab File: BN002244.D
Acq: 08 Aug 2018 10:39

Tgt Ion:178 Resp: 339776
Ion Ratio Lower Upper
178 100
179 105.5 12.2 18.4#
176 33.0 15.6 23.4#

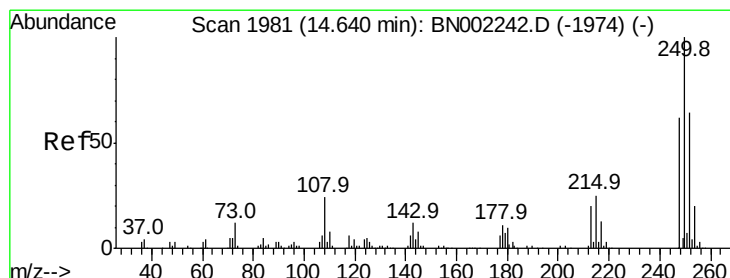
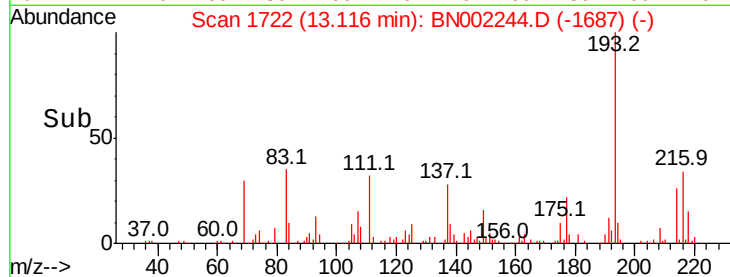
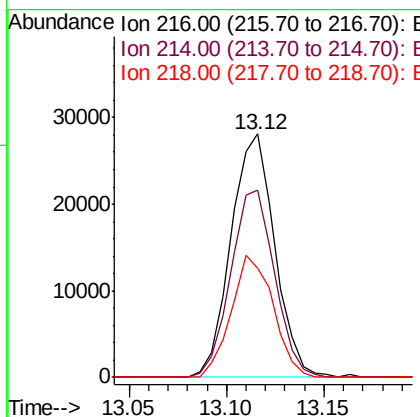
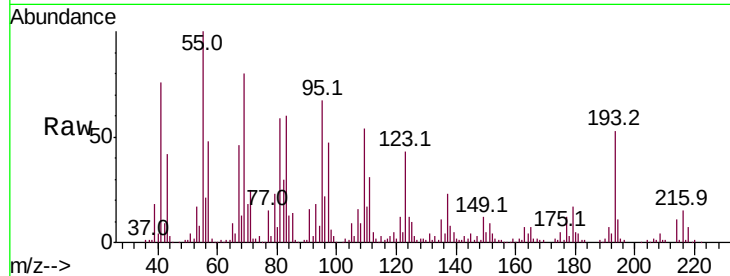




#72
 1,2,3,4-Tetrachlorobenzene
 Concen: 2.889 ng/uL
 RT: 13.12 min Scan# 1722
 Delta R.T. 0.01 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

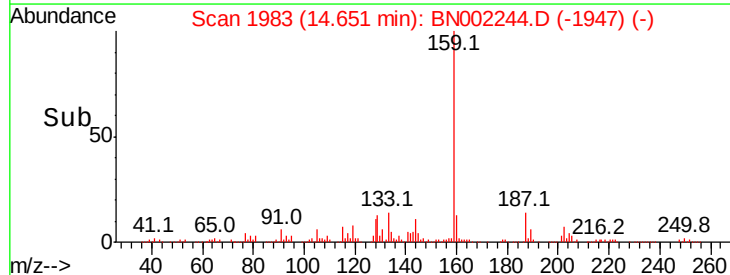
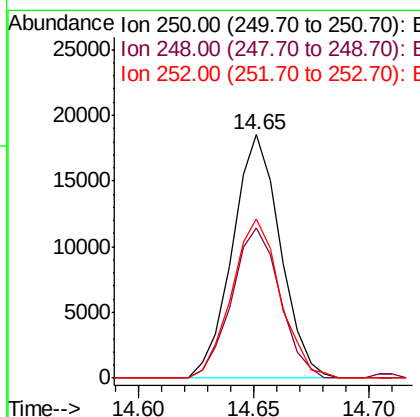
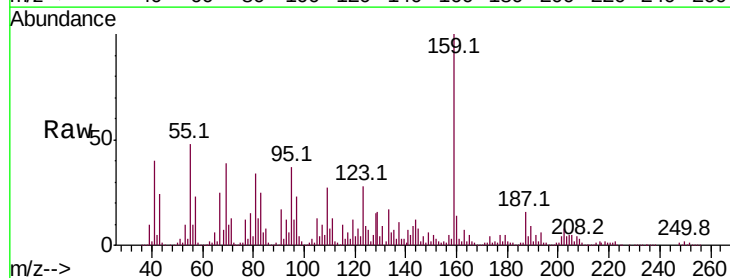
Instrument :
 BNA_E
 ClientSampleId :

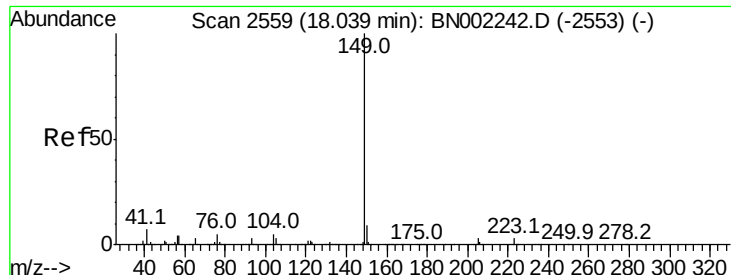
Tot Ion	Ratio	Lower	Upper
216	100		
214	76.7	62.5	93.7
218	45.0	38.4	57.6



#73
 Pentachlorobenzene
 Concen: 1.899 ng/uL
 RT: 14.65 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

Tgt Ion	Ratio	Lower	Upper
250	100		
248	65.0	50.6	75.8
252	65.6	51.4	77.0





#75

Di-n-butylphthalate

Concen: 17.348 ng/ul

RT: 18.08 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BN002244.D

Acq: 08 Aug 2018 10:39

Instrument :

BNA_E

ClientSampled :

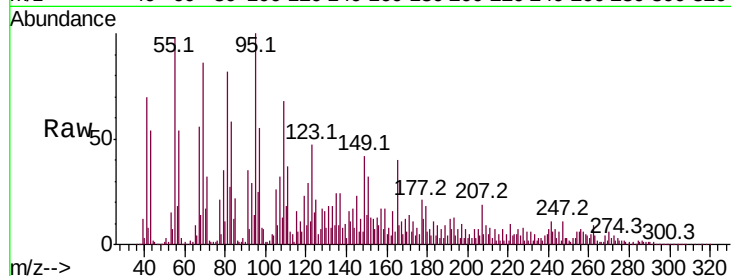
Tot Ion:149 Resp: 1122853

Ion Ratio Lower Upper

149 100

150 33.1 7.4 11.0#

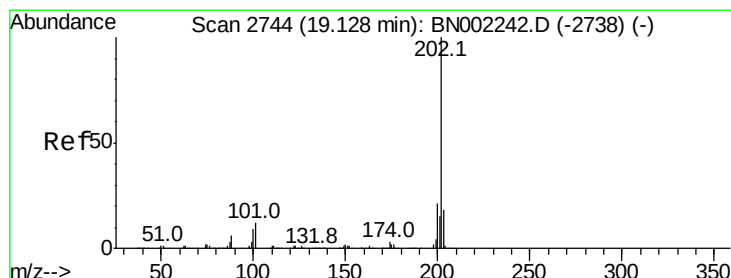
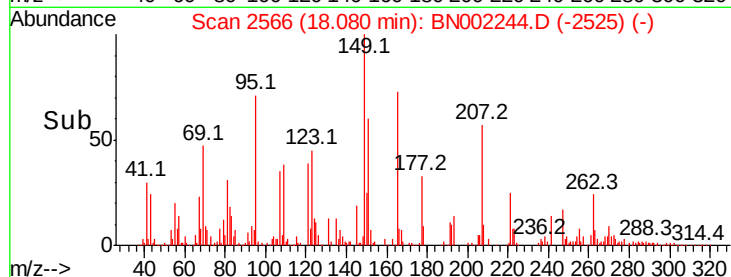
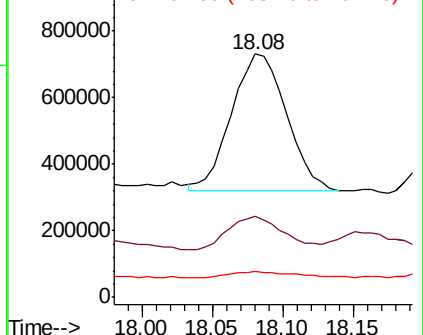
104 10.6 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 1.143 ng/ul

RT: 19.18 min Scan# 2753

Delta R.T. 0.05 min

Lab File: BN002244.D

Acq: 08 Aug 2018 10:39

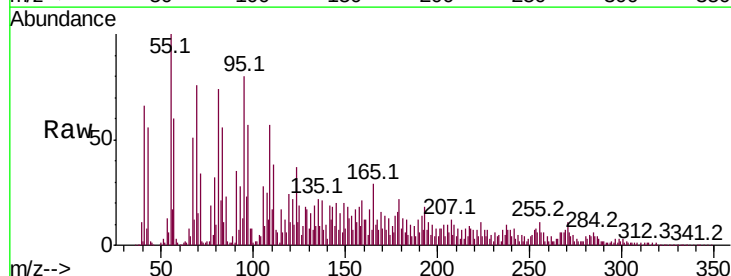
Tgt Ion:202 Resp: 68895

Ion Ratio Lower Upper

202 100

101 30.3 8.8 13.2#

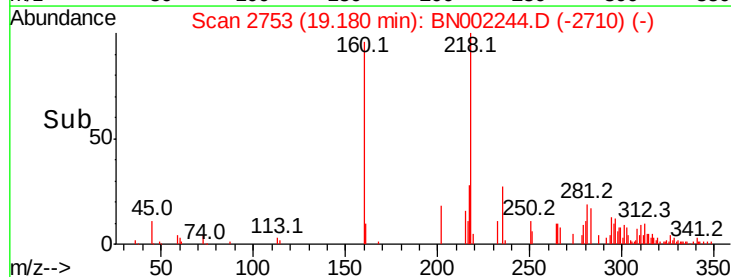
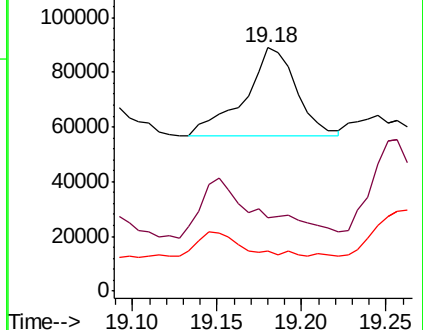
100 16.5 6.6 9.8#

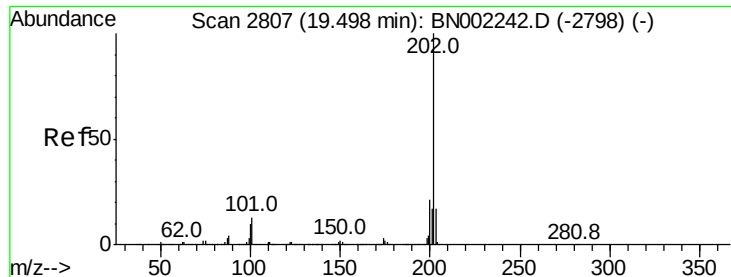


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 159.984 ng/ul

RT: 19.55 min Scan# 2815

Delta R.T. 0.05 min

Lab File: BN002244.D

Acq: 08 Aug 2018 10:39

Instrument :

BNA_E

ClientSampled :

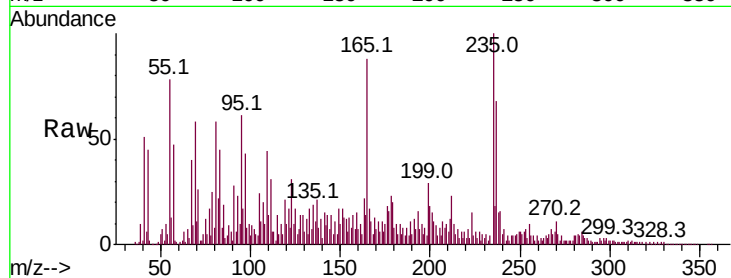
Tot Ion:202 Resp: 145859

Ion Ratio Lower Upper

202 100

101 85.4 10.2 15.2#

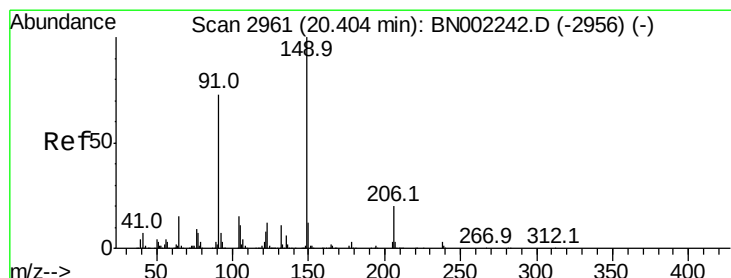
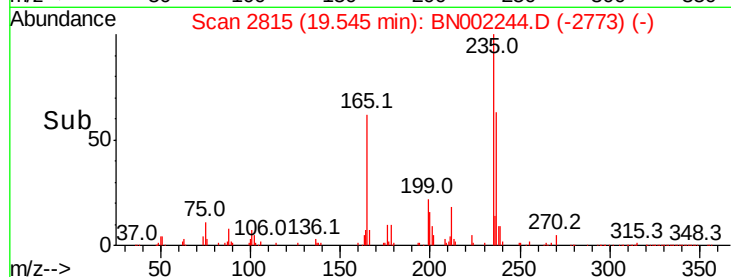
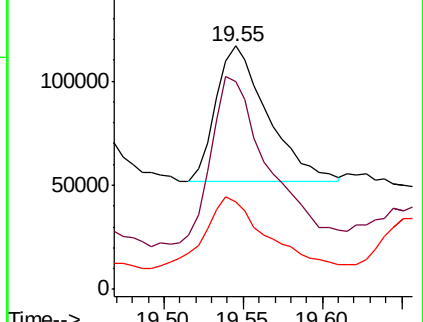
100 35.8 8.5 12.7#



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): E



#80

Butylbenzylphthalate

Concen: 104.395 ng/ul

RT: 20.43 min Scan# 2966

Delta R.T. 0.03 min

Lab File: BN002244.D

Acq: 08 Aug 2018 10:39

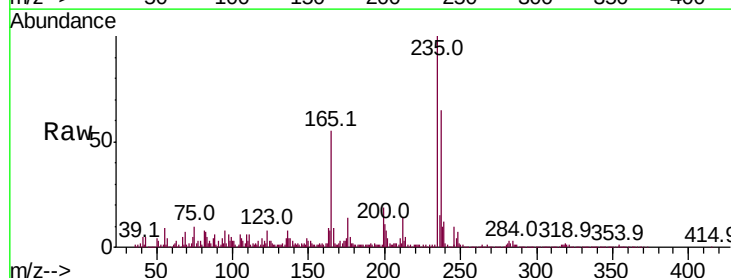
Tgt Ion:149 Resp: 45207

Ion Ratio Lower Upper

149 100

91 80.7 53.4 80.2#

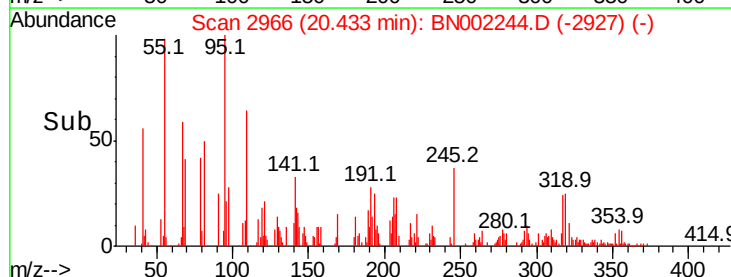
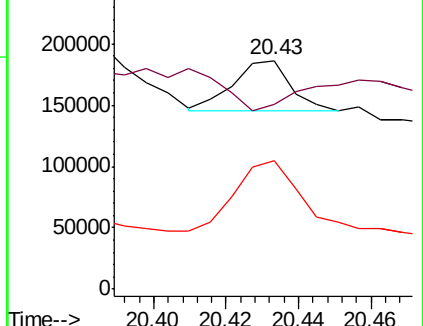
206 56.2 16.6 24.8#

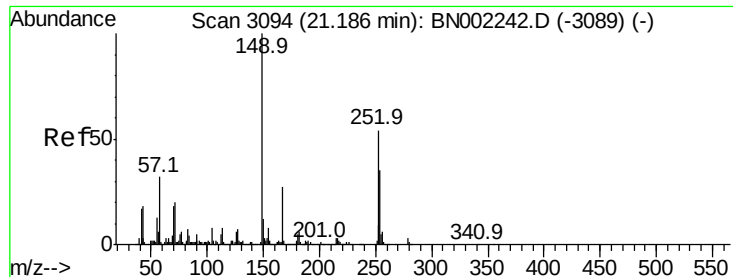


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#81

3,3'-Dichlorobenzidine

Concen: 3.658 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.07 min

Lab File: BN002244.D

Acq: 08 Aug 2018 10:39

Instrument :

BNA_E

ClientSampleId :

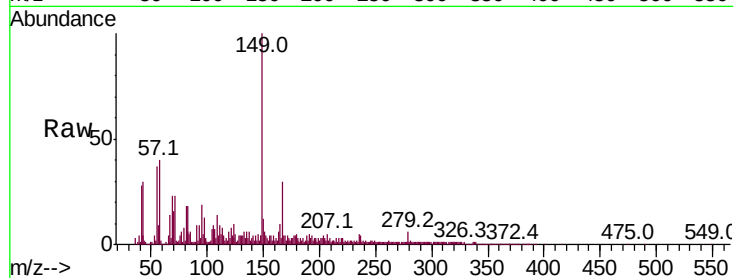
Tot Ion:252 Resp: 1102

Ion Ratio Lower Upper

252 100

254 86.0 52.2 78.2#

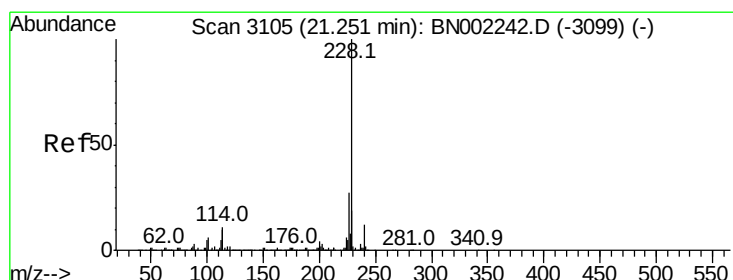
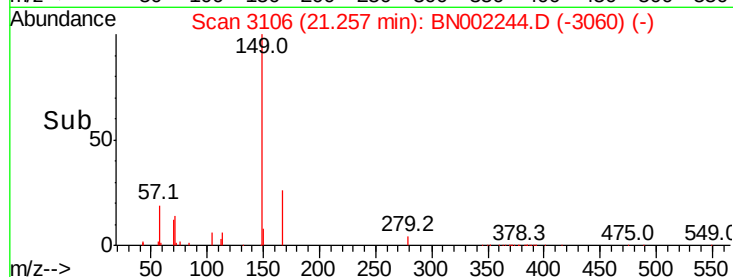
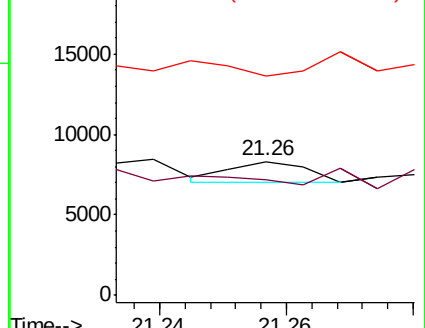
126 163.5 9.4 14.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Benzo(a)anthracene

Concen: 2.385 ng/ul

RT: 21.32 min Scan# 3116

Delta R.T. 0.06 min

Lab File: BN002244.D

Acq: 08 Aug 2018 10:39

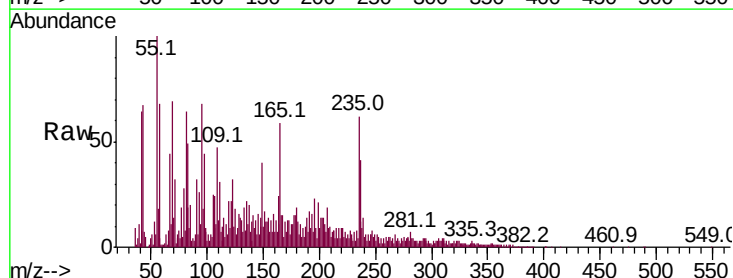
Tgt Ion:228 Resp: 2158

Ion Ratio Lower Upper

228 100

229 158.9 15.7 23.5#

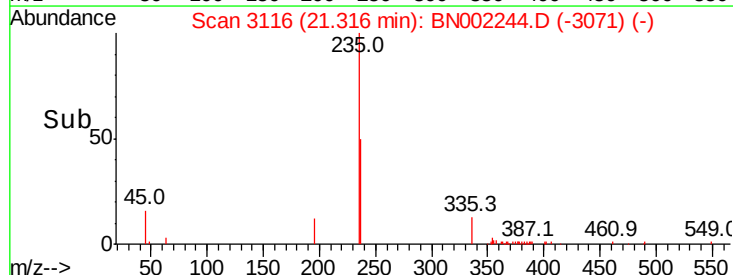
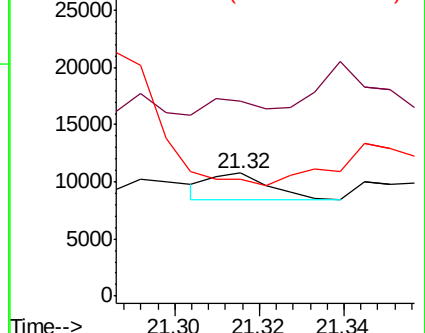
226 95.4 21.8 32.6#

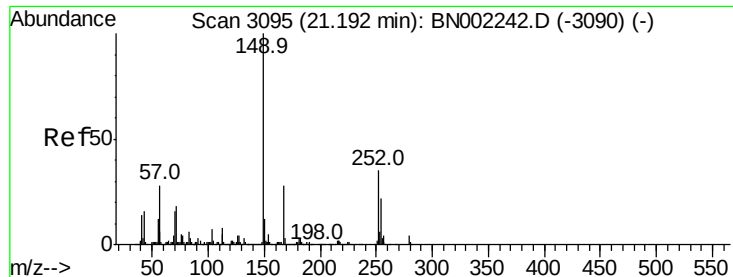


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

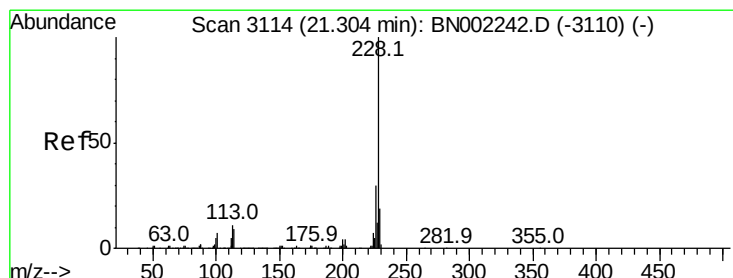
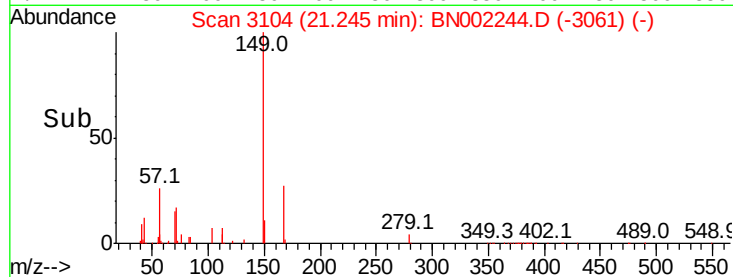
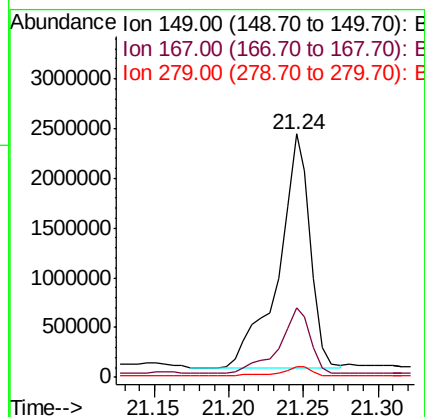
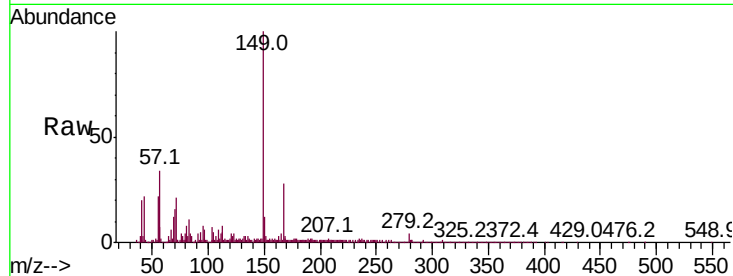




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5706.717 ng/ul
 RT: 21.24 min Scan# 3104
 Delta R.T. 0.05 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

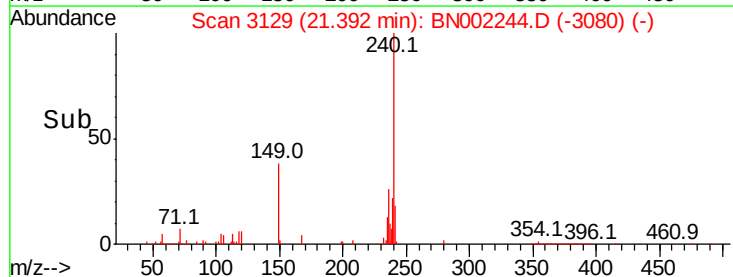
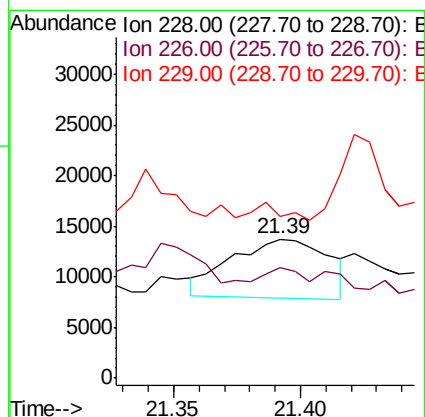
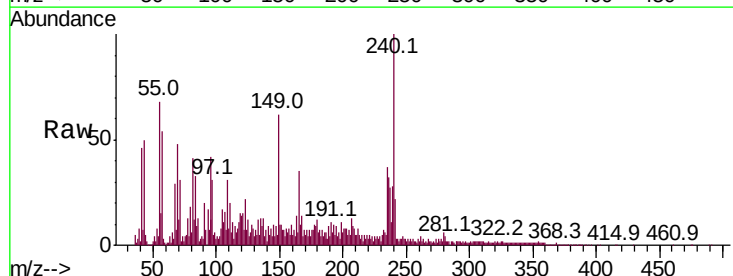
Instrument :
 BNA_E
 ClientSampleId :

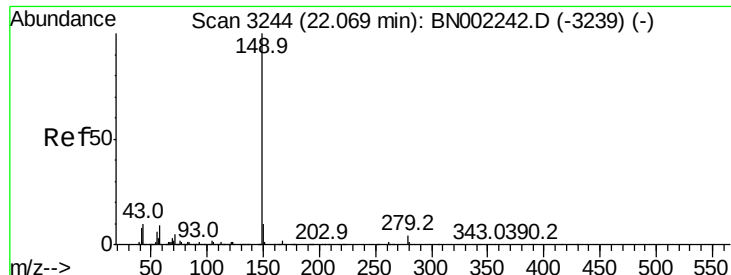
Tot Ion:149 Resp: 3499048
 Ion Ratio Lower Upper
 149 100
 167 28.3 21.6 32.4
 279 4.5 3.0 4.4#



#84
 Chrysene
 Concen: 18.631 ng/ul
 RT: 21.39 min Scan# 3129
 Delta R.T. 0.09 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

Tgt Ion:228 Resp: 15714
 Ion Ratio Lower Upper
 228 100
 226 79.7 24.0 36.0#
 229 116.1 15.6 23.4#





#86
 Di-n-octyl phthalate
 Concen: 5.925 ng/ul
 RT: 22.14 min Scan# 3256
 Delta R.T. 0.07 min
 Lab File: BN002244.D
 Acq: 08 Aug 2018 10:39

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 382197
 Ion Ratio Lower Upper
 149 100
 167 24.4 1.2 1.8#
 43 57.5 5.6 8.4#

