

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043019\
 Data File : BN005383.D
 Acq On : 30 Apr 2019 21:58
 Operator : JU/SJ
 Sample : K2481-06ME
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 01 00:45:16 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	384392	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1640787	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1066840	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2512279	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	2545181	20.00	ng/ul	-0.02
85) Perylene-d12	23.40	264	2640372	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	34280	4.31	ng/uL	0.00
5) Phenol-d5	6.78	99	730902	24.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	444399	23.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	601250	26.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	542070	22.97	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	330560	32.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	364740	35.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	621350	26.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	838748	34.66	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2130604	27.51	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2579257	27.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	321976	26.33	ng/ul	0.00
57) Fluorene-d10	15.23	176	1834197	28.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	320391	28.35	ng/ul	0.00
70) Anthracene-d10	17.08	188	2954295	28.05	ng/ul	0.00
78) Pyrene-d10	19.39	212	3438949	26.41	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	3288217	28.50	ng/ul	-0.04

Target Compounds

					Ovalue	
17) Hexachloroethane	8.68	117	140219	13.518	ng/ul#	6
28) Naphthalene	10.41	128	17415550	228.318	ng/ul	96
30) 4-Chloroaniline	10.42	127	2569144	104.220	ng/ul#	9
34) 2-Methylnaphthalene	12.04	142	16860839	301.888	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	1432375	18.020	ng/ul	98
44) Dimethylphthalate	13.69	163	494205	6.404	ng/ul	99
47) Acenaphthylene	13.95	152	5901243	63.131	ng/ul	97
49) Acenaphthene	14.29	153	542244	8.497	ng/ul	99
53) Dibenzofuran	14.63	168	676485	7.363	ng/ul	97
54) 2,4-Dinitrotoluene	14.60	165	49369	2.570	ng/ul#	57
58) Fluorene	15.28	166	3076022	42.904	ng/ul	97
60) 4-Nitroaniline	15.28	138	34227	2.216	ng/ul#	15
69) Phenanthrene	17.03	178	12317443	100.672	ng/ul	97
71) Anthracene	17.12	178	2722878	21.846	ng/ul	99
76) Fluoranthene	19.05	202	2811615	20.718	ng/ul	97
79) Pyrene	19.42	202	4383818	26.751	ng/ul	96
82) Benzo(a)anthracene	21.24	228	1401037	8.848	ng/ul	96
84) Chrysene	21.24	228	1411402	9.605	ng/ul	99
87) Benzo(b)fluoranthene	22.75	252	772004	5.201	ng/ul	98
88) Benzo(k)fluoranthene	22.75	252	772004	5.446	ng/ul	96
90) Benzo(a)pyrene	23.30	252	919763	6.593	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.57	276	252105	1.634	ng/ul	96
93) Benzo(g,h,i)perylene	26.23	276	175890	1.379	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

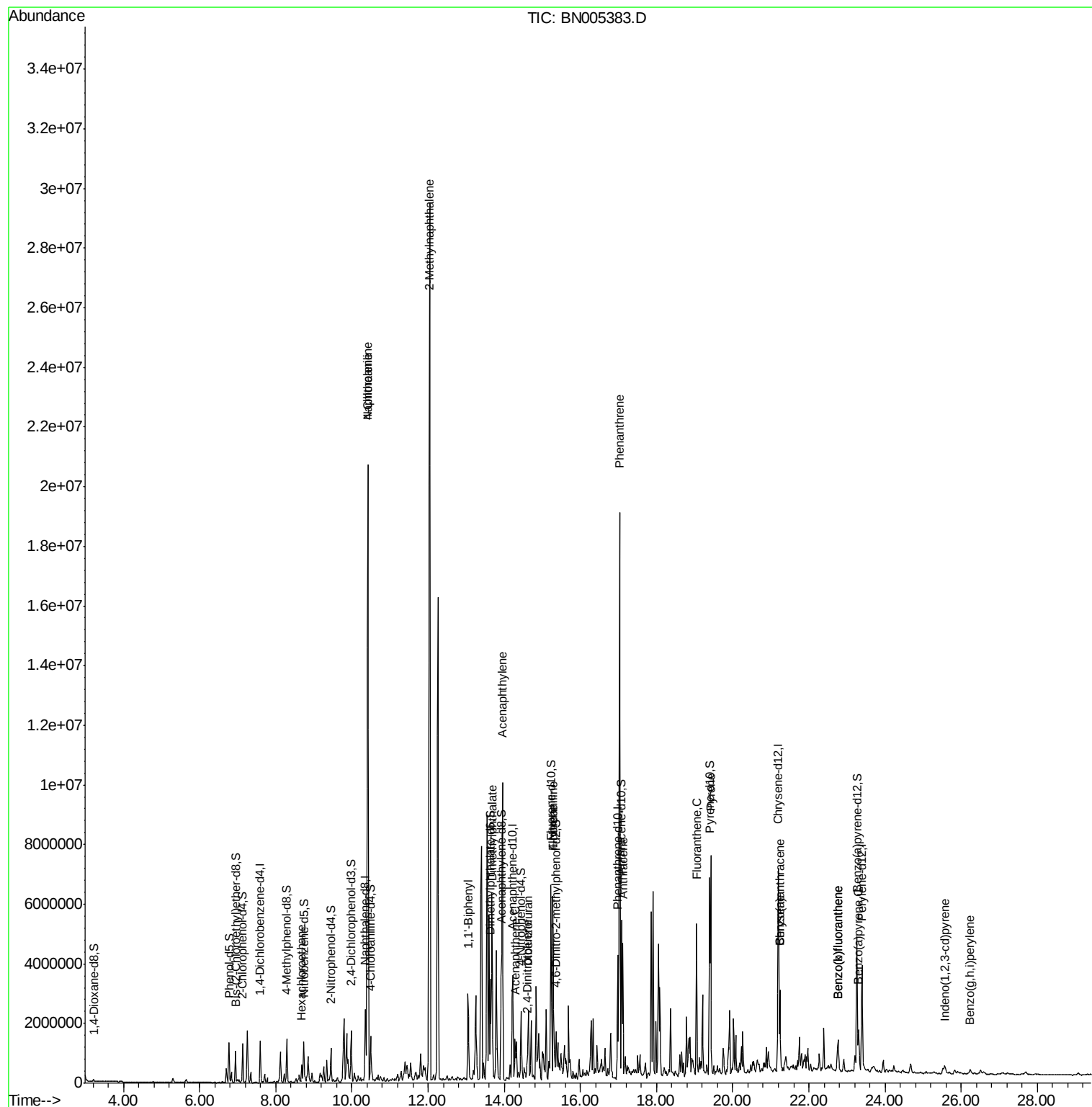
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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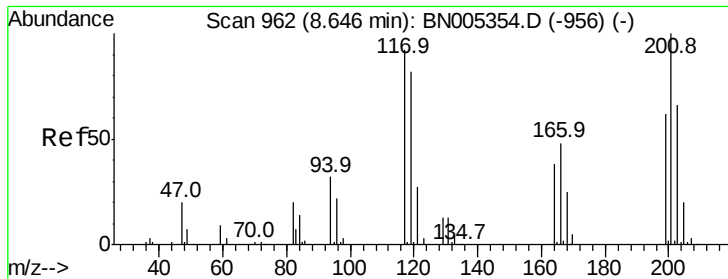
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

Hexachloroethane

Concen: 13.518 ng/ul

RT: 8.68 min Scan# 968

Delta R.T. 0.02 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

Instrument :

BNA_N

ClientSampleId :

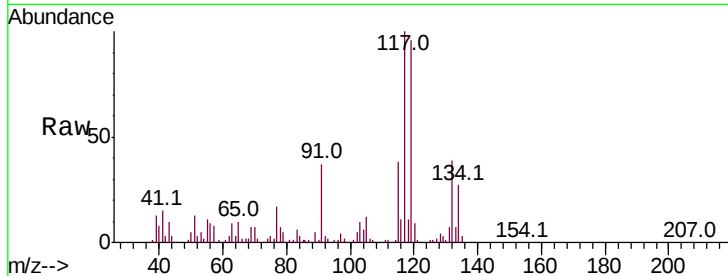
Tot Ion:117 Resp: 140219

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

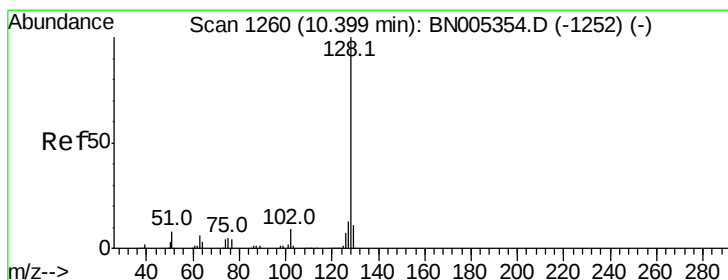
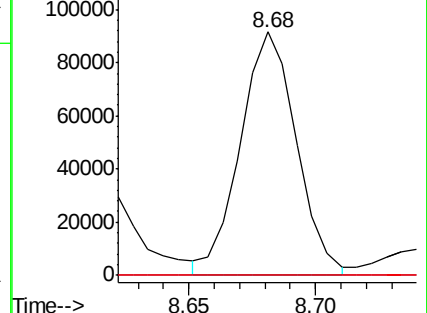
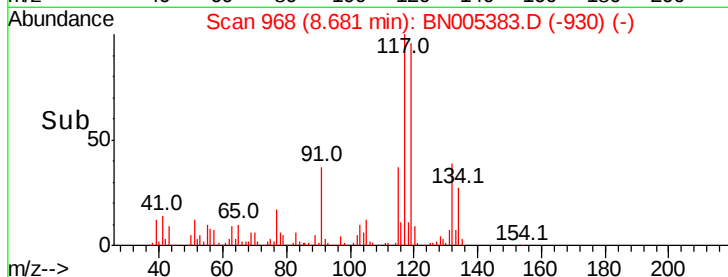
199 0.0 51.2 76.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 228.318 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

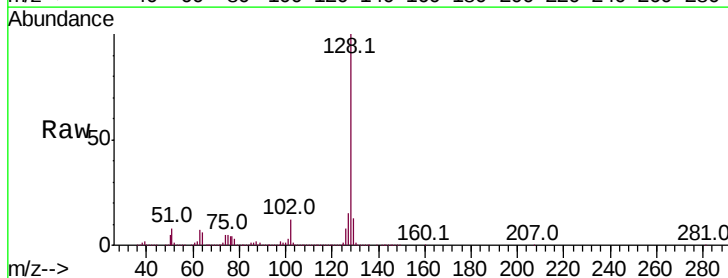
Tgt Ion:128 Resp:17415550

Ion Ratio Lower Upper

128 100

129 12.8 9.2 13.8

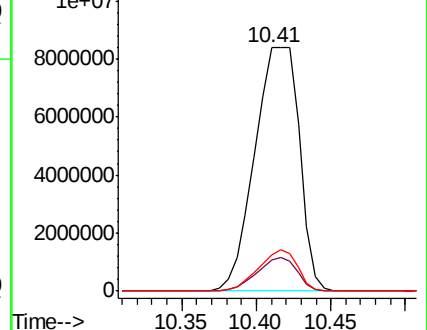
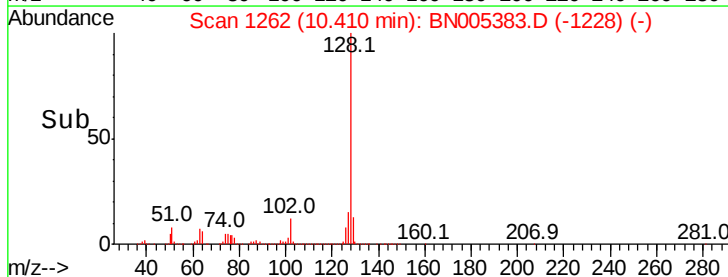
127 15.1 10.7 16.1

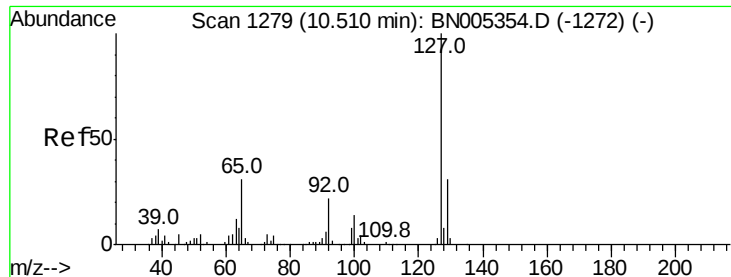


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

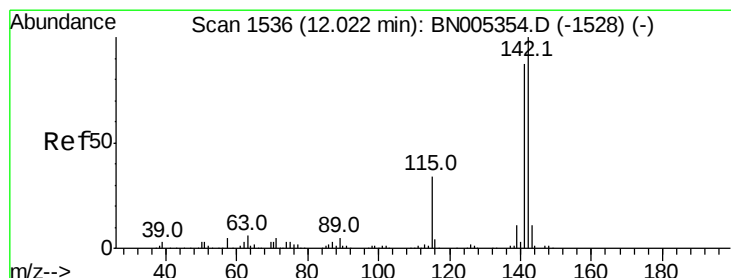
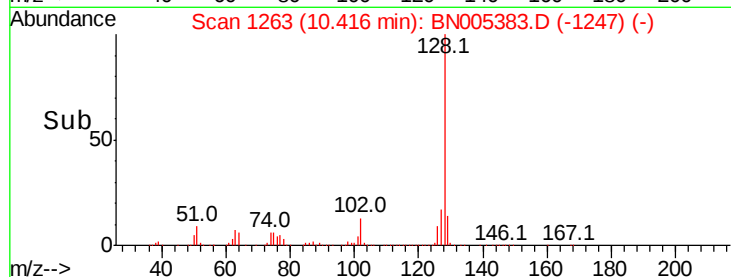
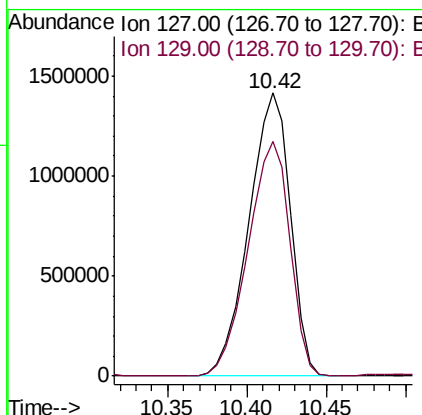
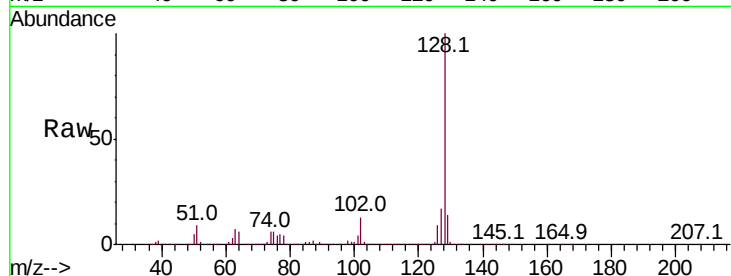




#30
4-Chloroaniline
Concen: 104.220 ng/ul
RT: 10.42 min Scan# 1263
Delta R.T. -0.11 min
Lab File: BN005383.D
Acq: 30 Apr 2019 21:58

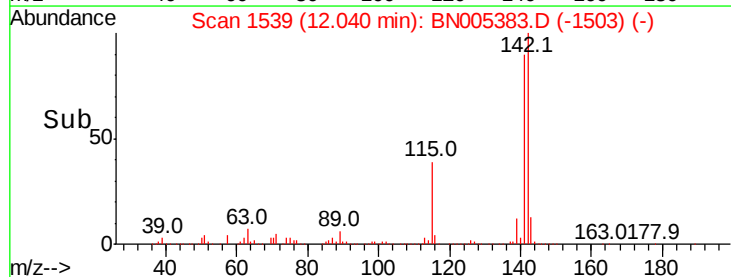
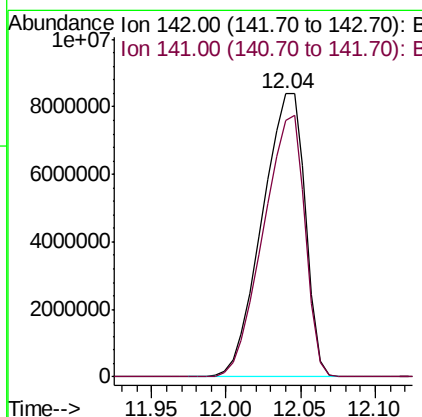
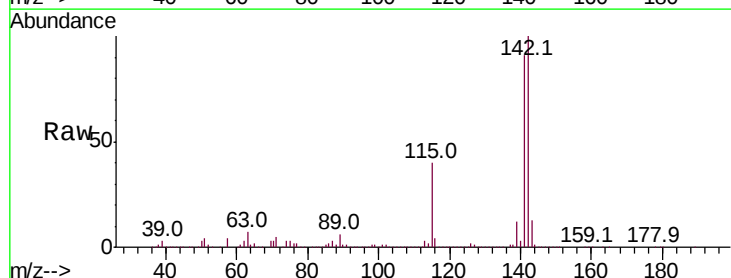
Instrument :
BNA_N
ClientSampleId :

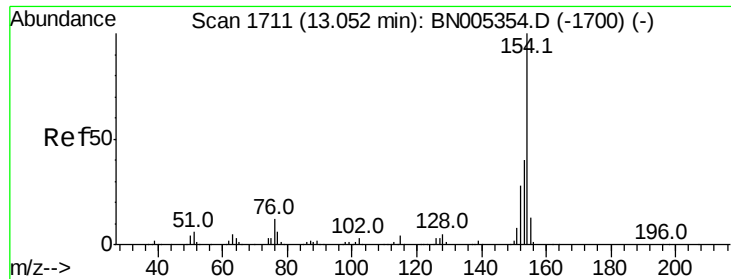
Tot Ion:127 Resp: 2569144
Ion Ratio Lower Upper
127 100
129 83.1 25.8 38.6#



#34
2-Methylnaphthalene
Concen: 301.888 ng/ul
RT: 12.04 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BN005383.D
Acq: 30 Apr 2019 21:58

Tgt Ion:142 Resp:16860839
Ion Ratio Lower Upper
142 100
141 90.6 72.0 108.0

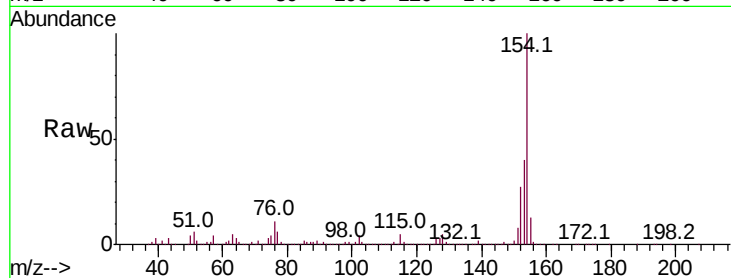




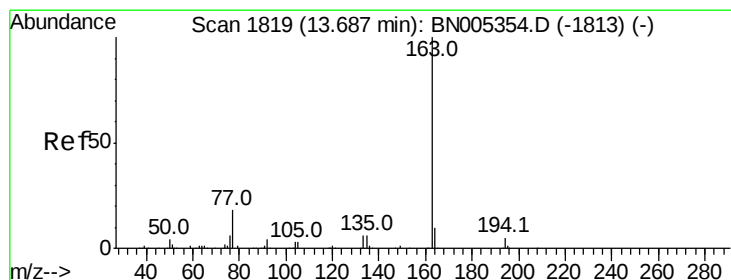
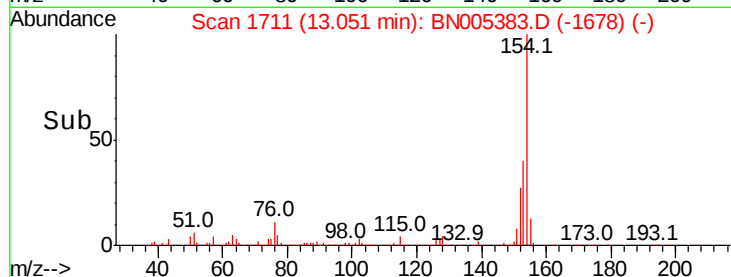
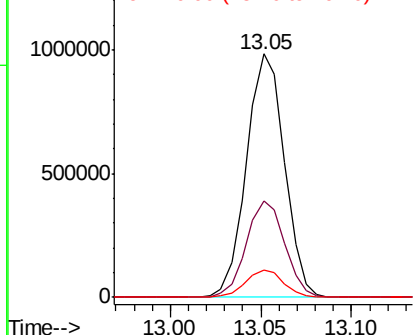
#40
 1,1'-Biphenyl
 Concen: 18.020 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BN005383.D
 Acq: 30 Apr 2019 21:58

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:154 Resp: 1432375
 Ion Ratio Lower Upper
 154 100
 153 39.7 32.6 49.0
 76 11.2 10.4 15.6

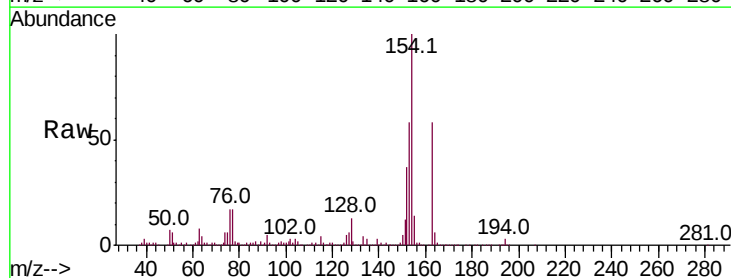


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

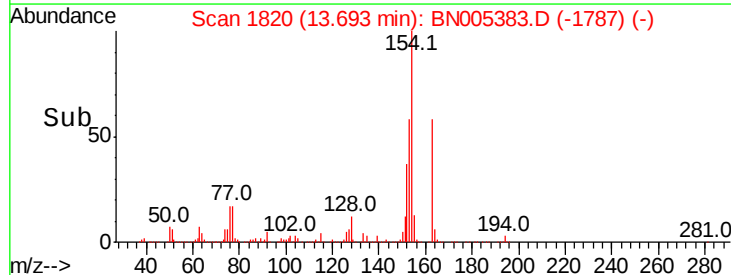
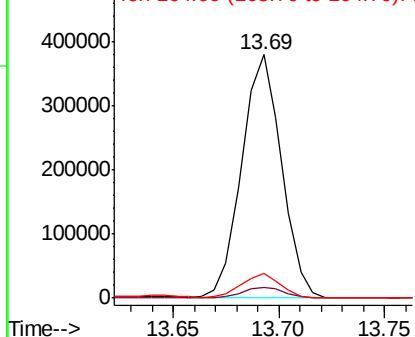


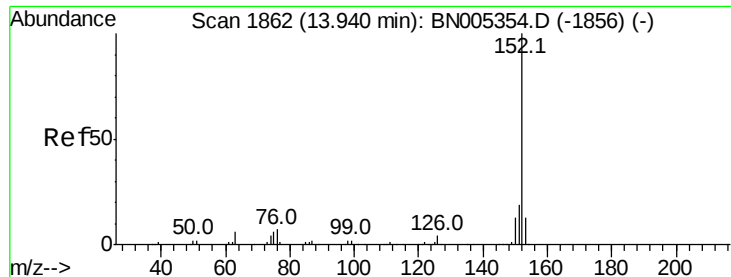
#44
 Dimethylphthalate
 Concen: 6.404 ng/ul
 RT: 13.69 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BN005383.D
 Acq: 30 Apr 2019 21:58

Tgt Ion:163 Resp: 494205
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.4 5.0
 164 10.4 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





#47

Acenaphthylene

Concen: 63.131 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

Instrument :

BNA_N

ClientSampled :

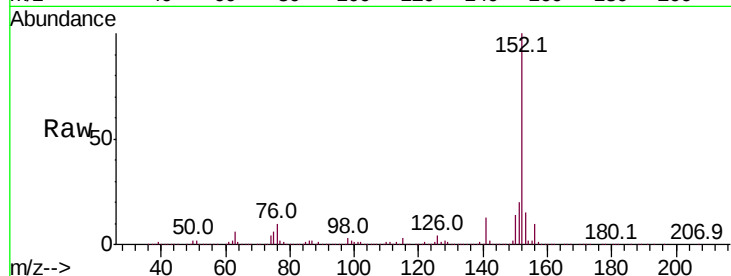
Tot Ion:152 Resp: 5901243

Ion Ratio Lower Upper

152 100

151 20.5 15.8 23.8

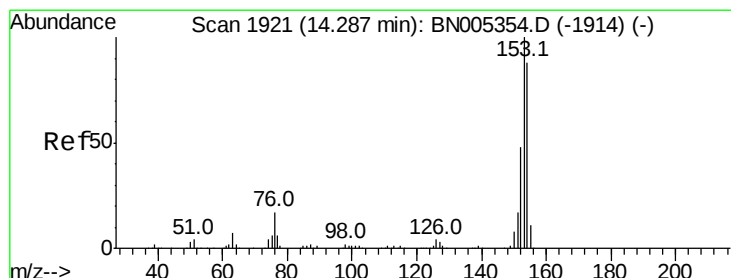
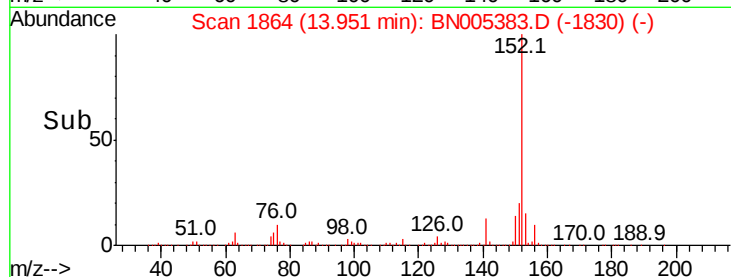
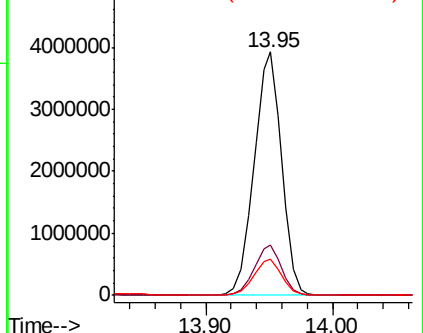
153 14.7 9.8 14.8



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: 8.497 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

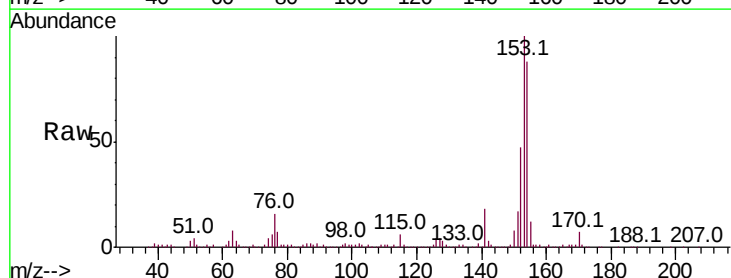
Tgt Ion:153 Resp: 542244

Ion Ratio Lower Upper

153 100

152 47.3 37.4 56.0

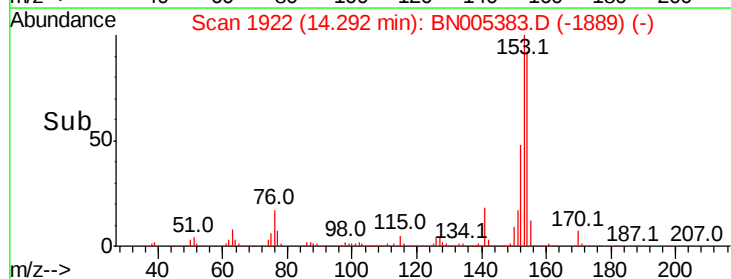
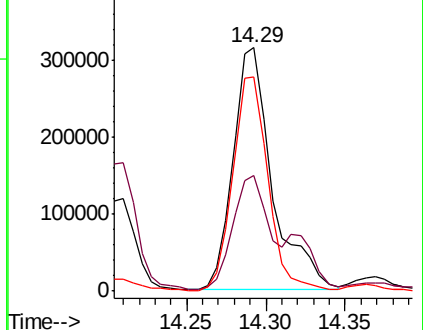
154 87.9 71.2 106.8

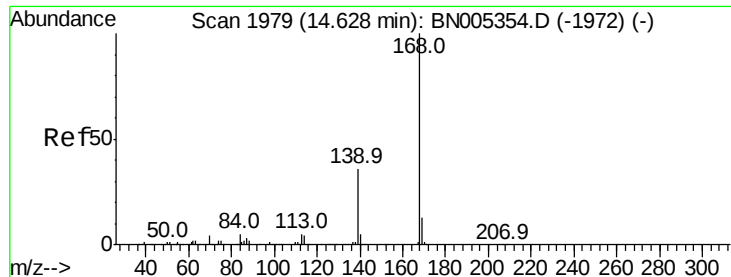


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 7.363 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

Instrument :

BNA_N

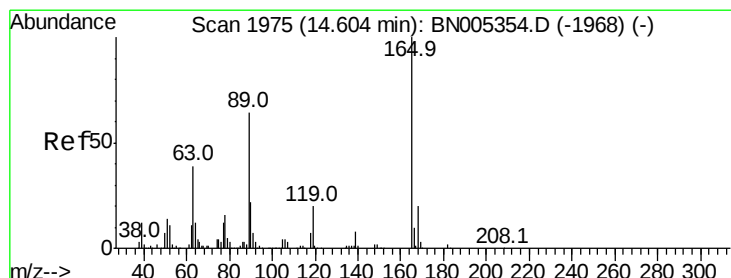
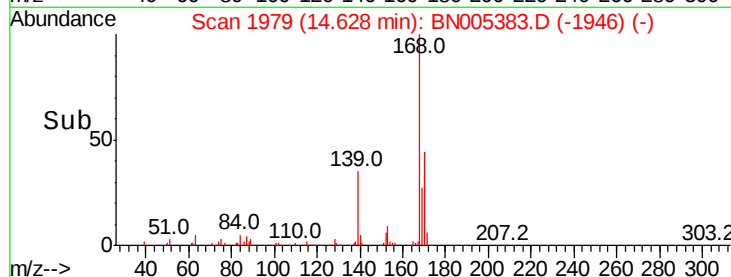
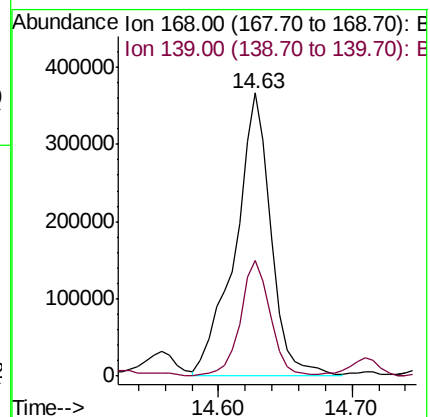
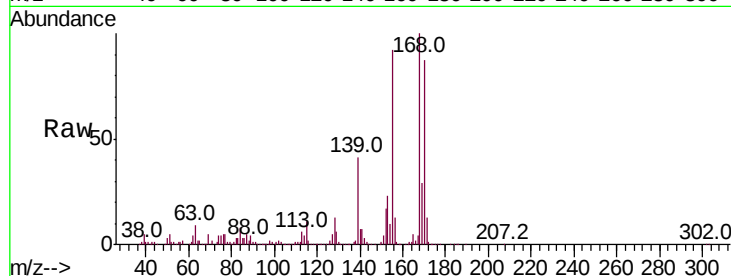
ClientSampleId :

Tot Ion:168 Resp: 676485

Ion Ratio Lower Upper

168 100

139 40.7 30.9 46.3



#54

2,4-Dinitrotoluene

Concen: 2.570 ng/ul

RT: 14.60 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

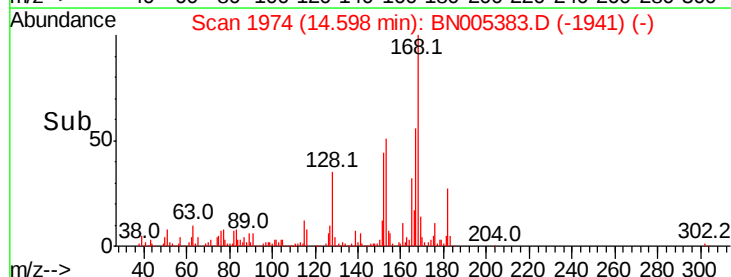
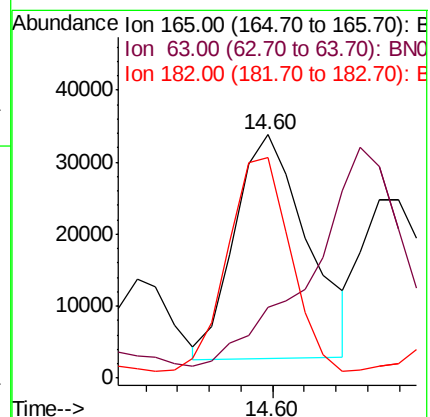
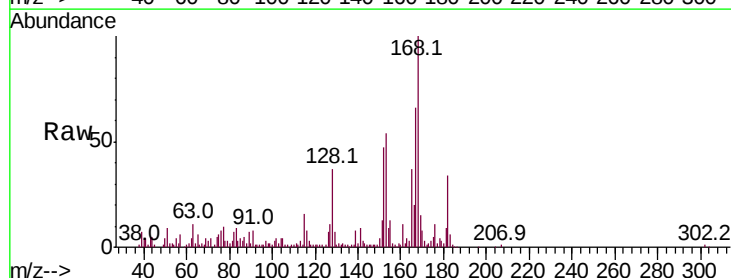
Tgt Ion:165 Resp: 49369

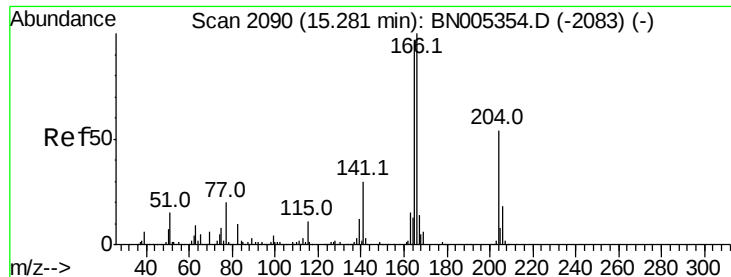
Ion Ratio Lower Upper

165 100

63 29.3 38.9 58.3#

182 90.6 2.6 3.8#

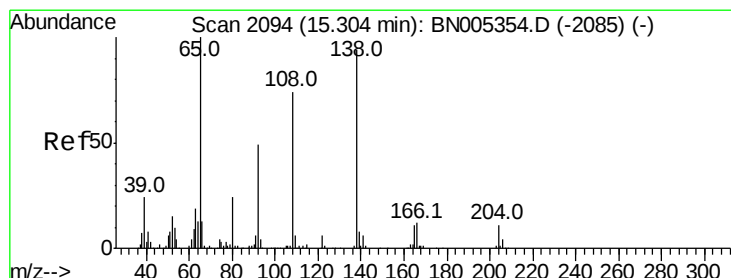
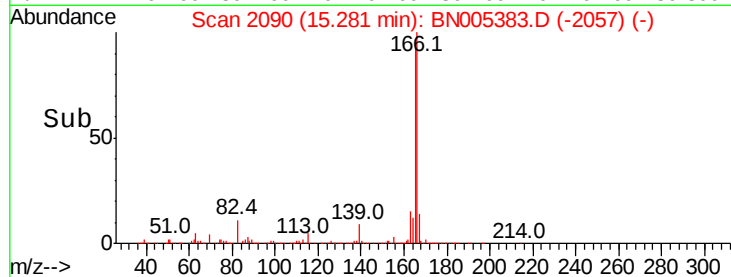
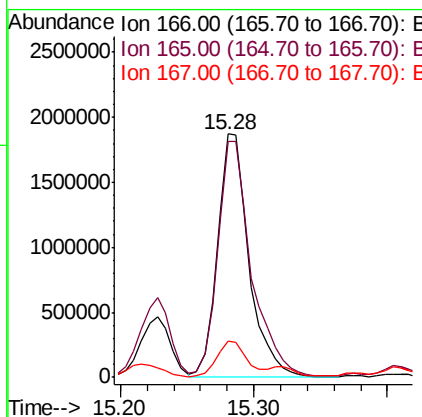
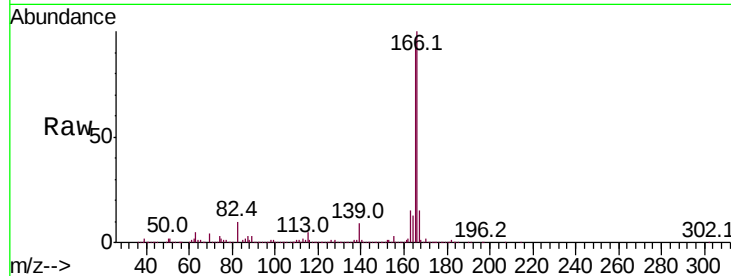




#58
 Fluorene
 Concen: 42.904 ng/ul
 RT: 15.28 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BN005383.D
 Acq: 30 Apr 2019 21:58

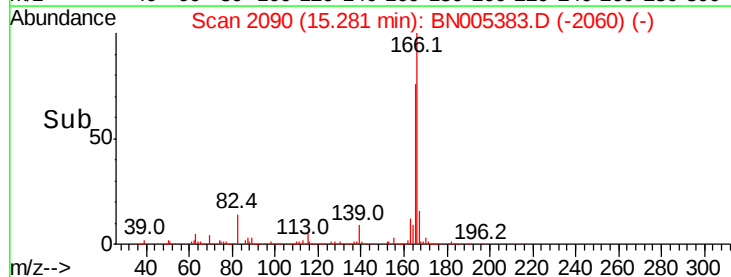
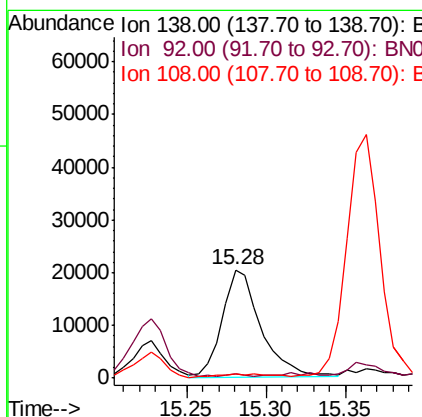
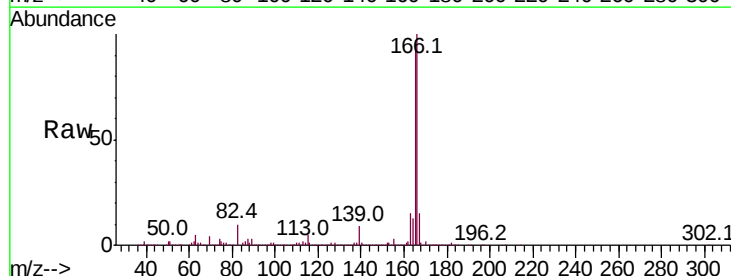
Instrument :
 BNA_N
 ClientSampleId :

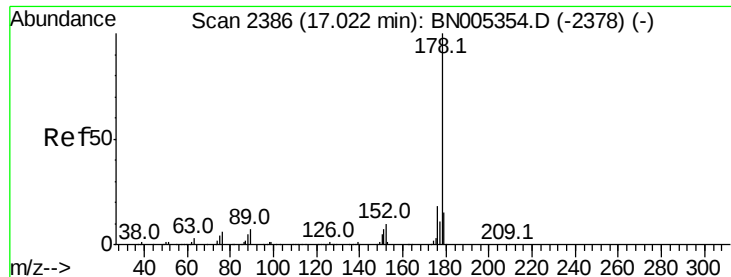
Tot Ion:166 Resp: 3076022
 Ion Ratio Lower Upper
 166 100
 165 96.9 80.0 120.0
 167 15.1 10.7 16.1



#60
 4-Nitroaniline
 Concen: 2.216 ng/ul
 RT: 15.28 min Scan# 2090
 Delta R.T. -0.02 min
 Lab File: BN005383.D
 Acq: 30 Apr 2019 21:58

Tgt Ion:138 Resp: 34227
 Ion Ratio Lower Upper
 138 100
 92 3.6 45.3 67.9#
 108 3.7 73.2 109.8#





#69

Phenanthrene

Concen: 100.672 ng/ul

RT: 17.03 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

Instrument :

BNA_N

ClientSampleId :

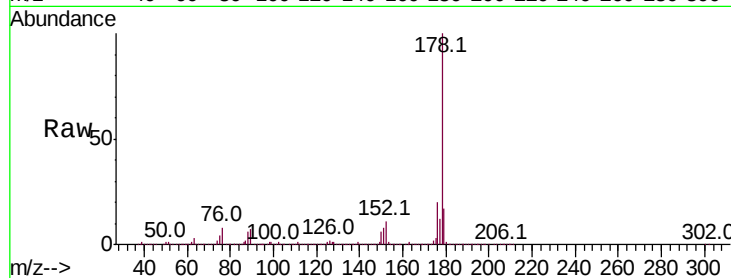
Tot Ion:178 Resp:12317443

Ion Ratio Lower Upper

178 100

179 16.8 12.2 18.4

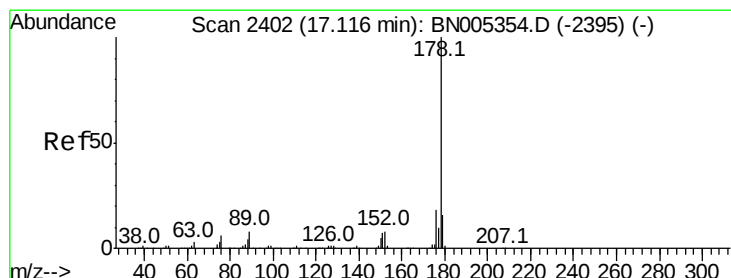
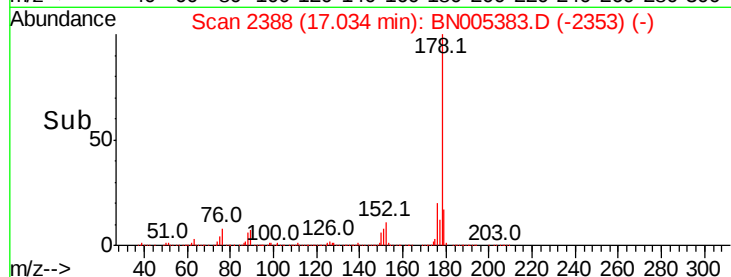
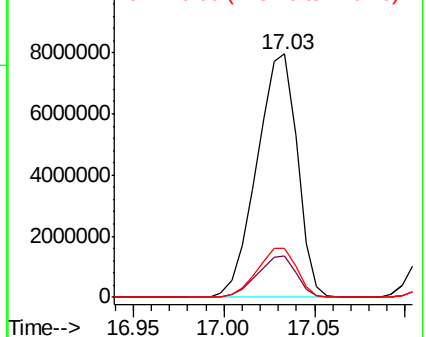
176 20.3 15.1 22.7



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: 21.846 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

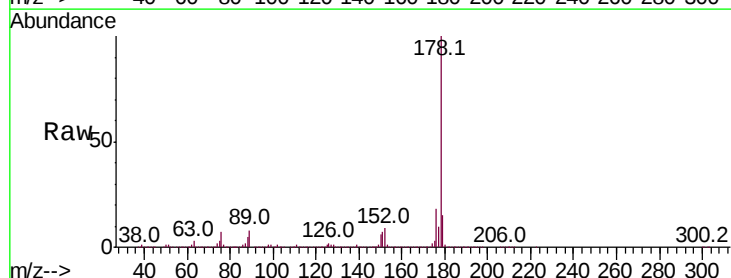
Tgt Ion:178 Resp: 2722878

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

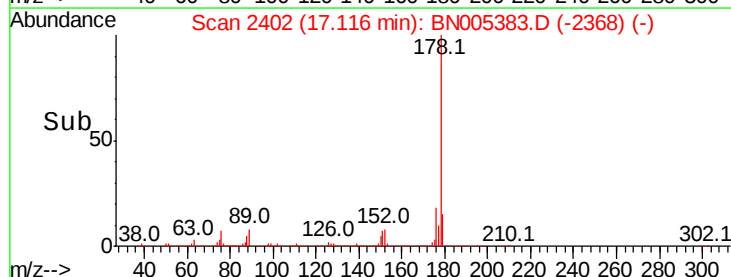
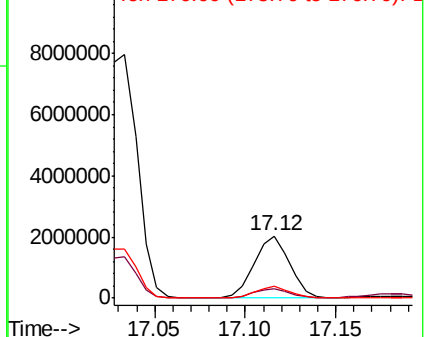
176 18.4 15.1 22.7

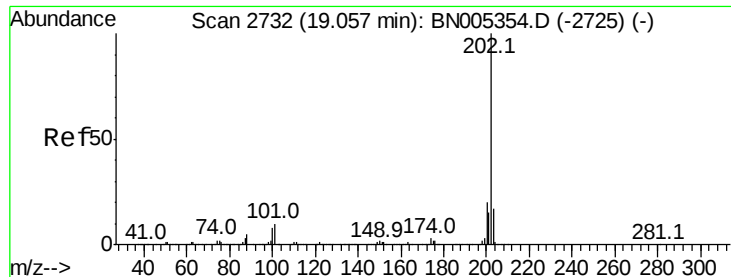


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 20.718 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

Instrument :

BNA_N

ClientSampleId :

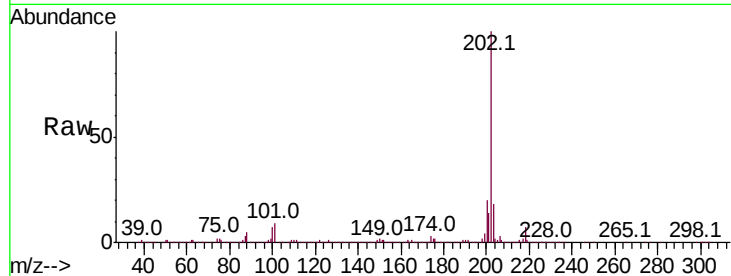
Tot Ion:202 Resp: 2811615

Ion Ratio Lower Upper

202 100

101 9.3 8.6 12.8

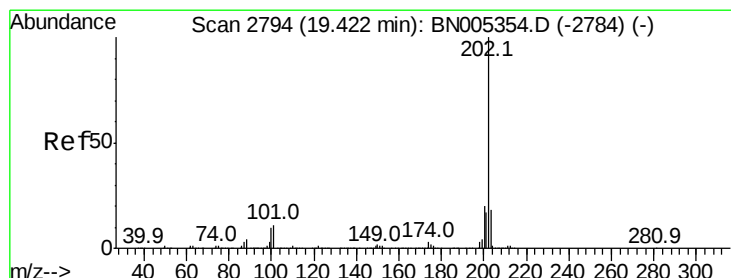
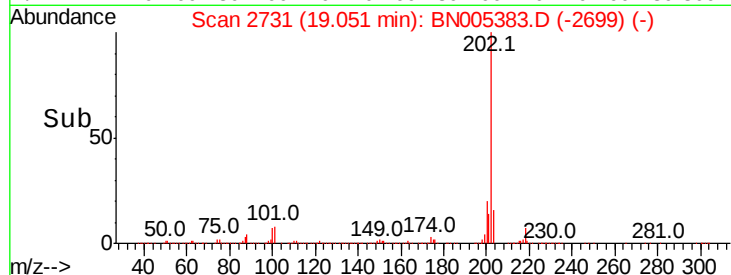
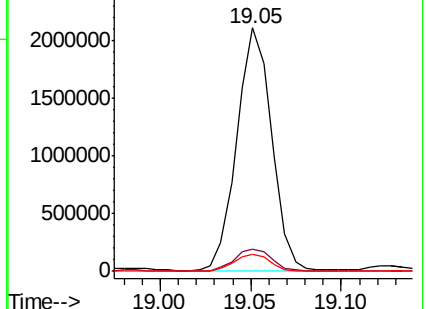
100 7.2 6.3 9.5



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: 26.751 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

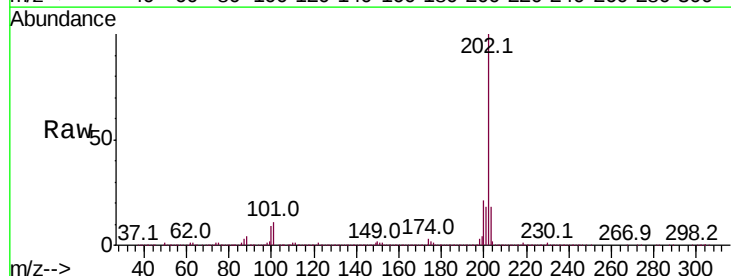
Tgt Ion:202 Resp: 4383818

Ion Ratio Lower Upper

202 100

101 11.0 10.3 15.5

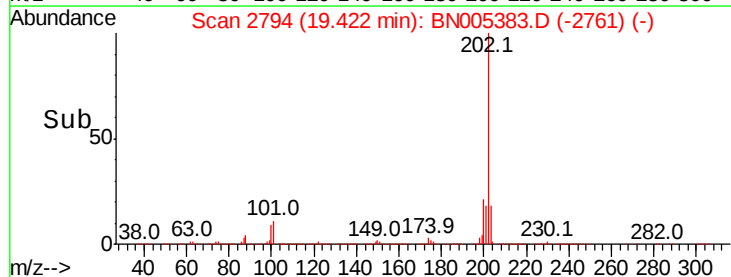
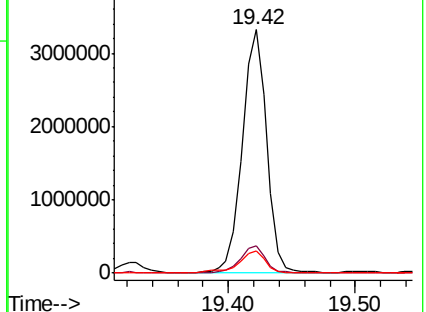
100 8.9 7.9 11.9

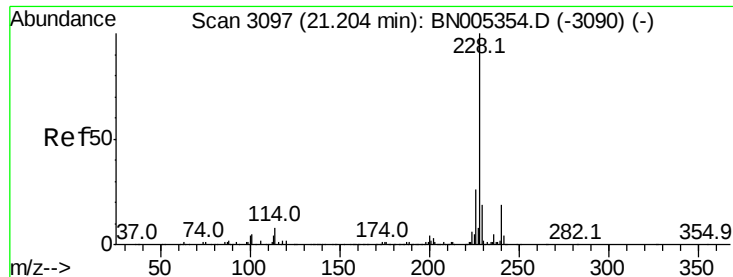


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

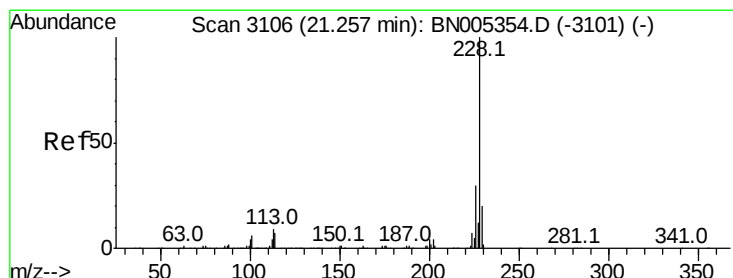
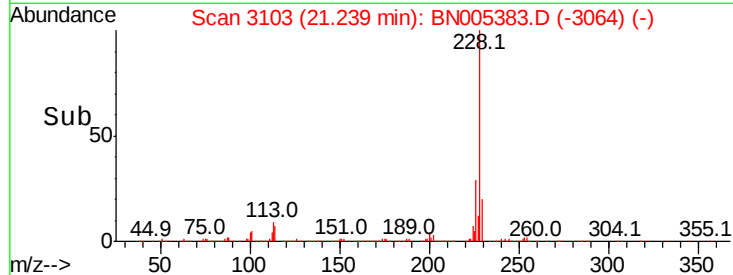
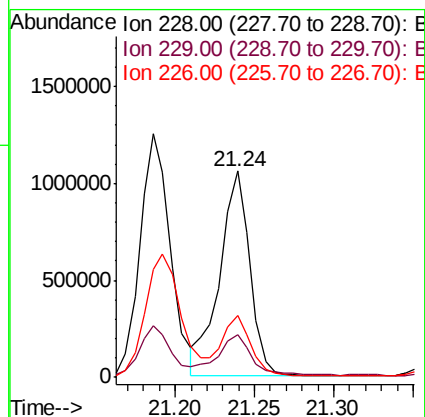
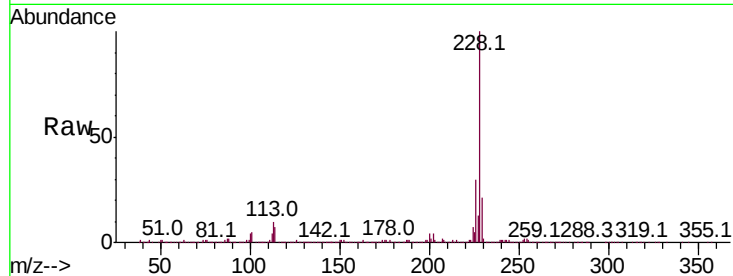




#82
Benzo(a)anthracene
Concen: 8.848 ng/ul
RT: 21.24 min Scan# 3103
Delta R.T. 0.03 min
Lab File: BN005383.D
Acq: 30 Apr 2019 21:58

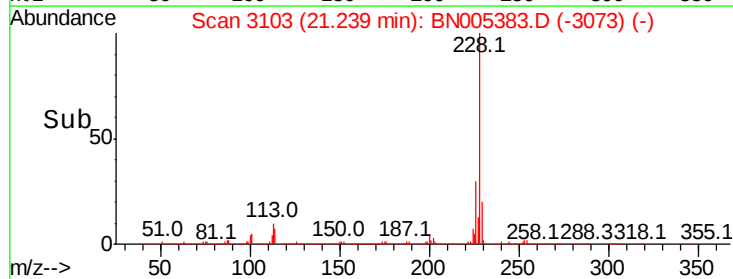
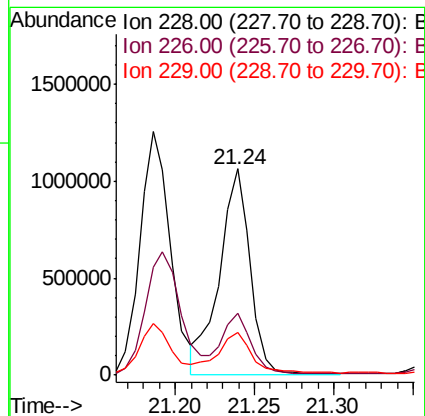
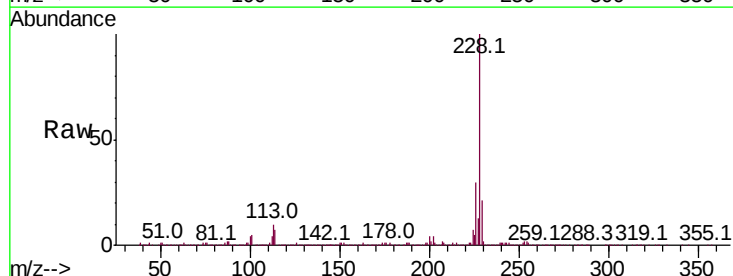
Instrument :
BNA_N
ClientSampleId :

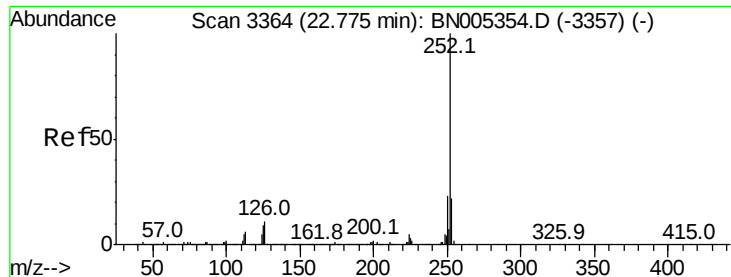
Tot Ion:228 Resp: 1401037
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.6
226 29.9 21.4 32.2



#84
Chrysene
Concen: 9.605 ng/ul
RT: 21.24 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN005383.D
Acq: 30 Apr 2019 21:58

Tgt Ion:228 Resp: 1411402
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 20.6 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 5.201 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.03 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

Instrument :

BNA_N

ClientSampleId :

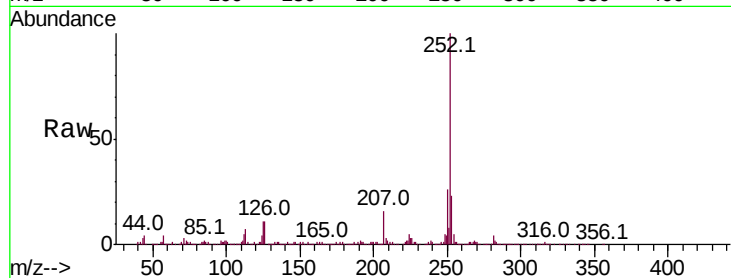
Tot Ion:252 Resp: 772004

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

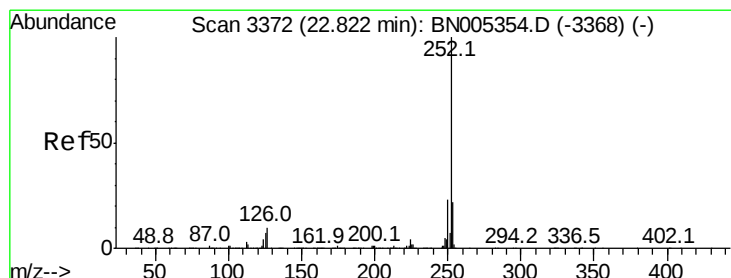
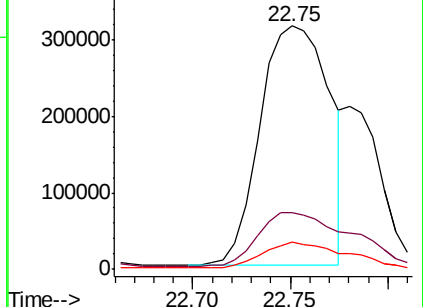
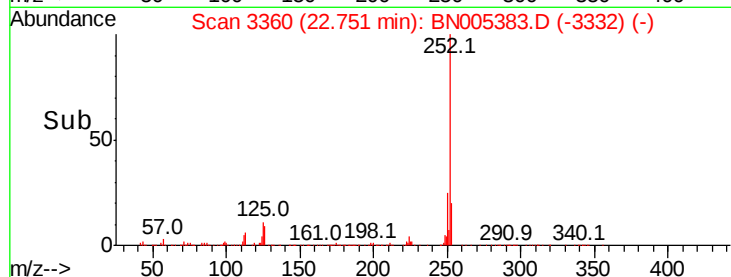
125 11.2 8.4 12.6



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: 5.446 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.08 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

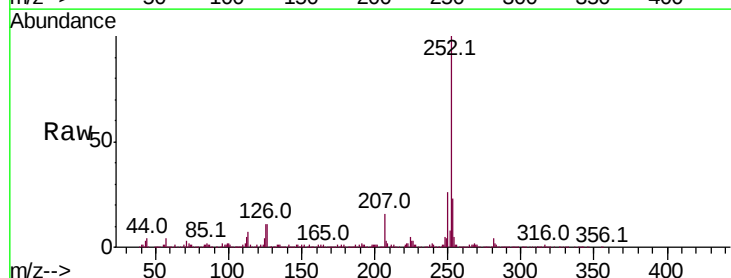
Tgt Ion:252 Resp: 772004

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

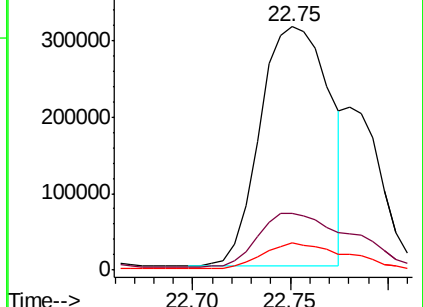
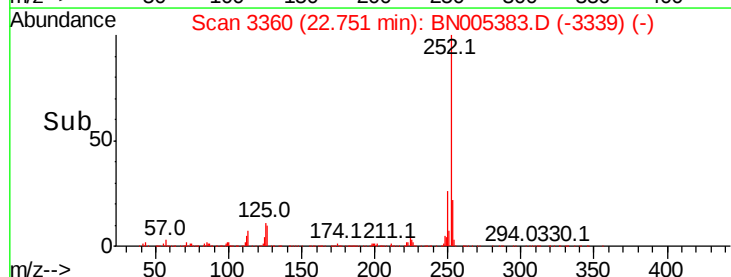
125 11.2 7.5 11.3

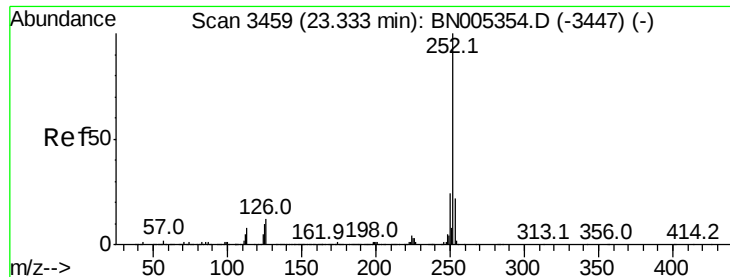


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.593 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. -0.04 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

Instrument :

BNA_N

ClientSampleId :

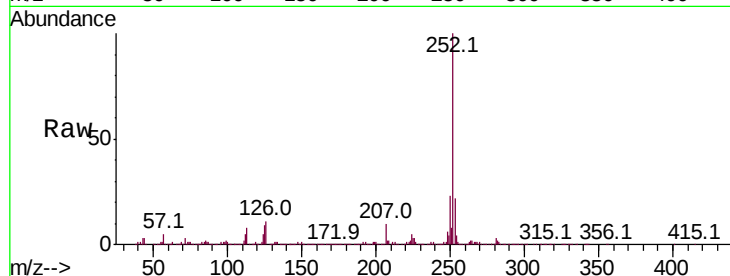
Tot Ion:252 Resp: 919763

Ion Ratio Lower Upper

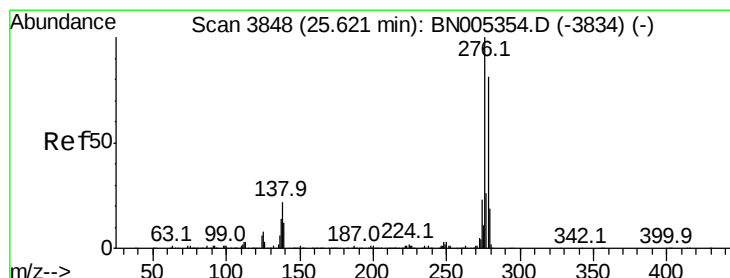
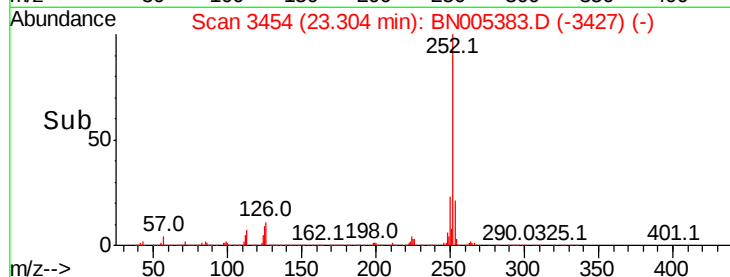
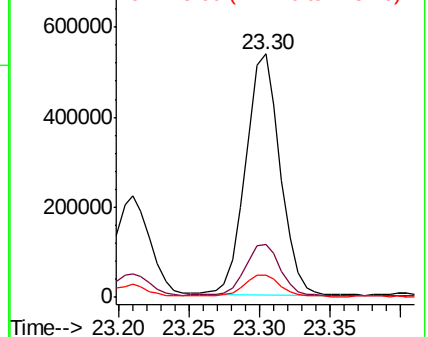
252 100

253 21.8 17.3 25.9

125 8.9 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: 1.634 ng/ul

RT: 25.57 min Scan# 3840

Delta R.T. -0.05 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

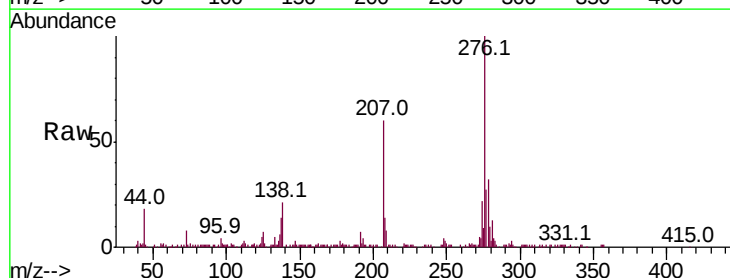
Tgt Ion:276 Resp: 252105

Ion Ratio Lower Upper

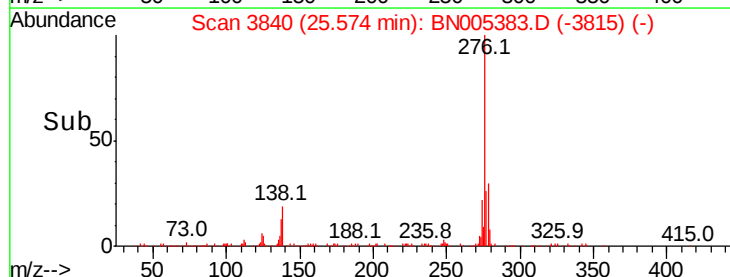
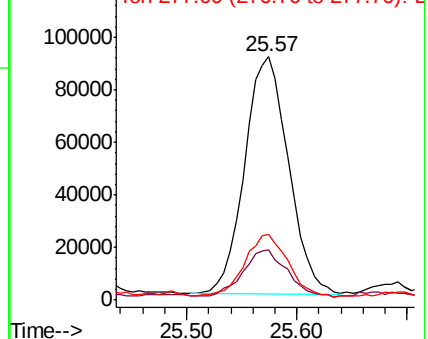
276 100

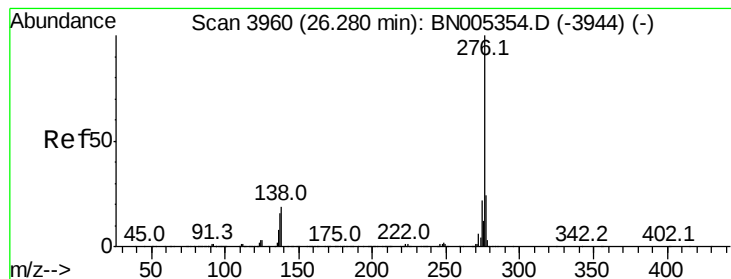
138 20.9 17.9 26.9

277 27.2 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





#93

Benzo(a,h,i)perylene

Concen: 1.379 ng/ul

RT: 26.23 min Scan# 3952

Delta R.T. -0.06 min

Lab File: BN005383.D

Acq: 30 Apr 2019 21:58

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 175890

Ion Ratio Lower Upper

276 100

138 19.1 16.7 25.1

277 24.8 18.2 27.2

