

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005185.D
 Acq On : 22 Apr 2019 21:34
 Operator : JU/SJ
 Sample : K2402-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHJ8

Quant Time: Apr 24 11:11:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 04:25:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	447958	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2010268	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1189513	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2495033	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	2023399	20.00	ng/ul	0.01
85) Perylene-d12	23.41	264	2134306	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	71697	7.73	ng/uL	0.00
5) Phenol-d5	6.78	99	1014326	28.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	596673	27.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	765157	28.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	800748	29.12	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	369507	29.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	410324	32.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	832144	28.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	866181	29.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2834453	32.83	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	3315762	31.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	444032	32.57	ng/ul	0.00
57) Fluorene-d10	15.23	176	2338957	32.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	384624	34.27	ng/ul	0.00
70) Anthracene-d10	17.08	188	3504980	33.51	ng/ul	0.00
78) Pyrene-d10	19.39	212	3614832	34.92	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	3316906	35.56	ng/ul	0.02

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.25	88	85694	8.588	ng/uL 95
12) 2,2'-oxybis(1-Chloropropan	8.13	45	914317	18.792	ng/ul 99
20) Nitrobenzene	8.78	77	730926	21.466	ng/ul 96
23) 2-Nitrophenol	9.48	139	432063	30.397	ng/ul 97
25) Bis(2-Chloroethoxy)methane	9.79	93	700353	16.530	ng/ul 99
27) 2,4-Dichlorophenol	10.01	162	551359	19.430	ng/ul 100
28) Naphthalene	10.41	128	1146774	12.271	ng/ul 99
33) 4-Chloro-3-methylphenol	11.65	107	2026649	63.428	ng/ul 98
34) 2-Methylnaphthalene	12.03	142	1968880	28.773	ng/ul 100
37) Hexachlorocyclopentadiene	12.39	237	645521	25.719	ng/ul 98
38) 2,4,6-Trichlorophenol	12.65	196	450457	20.293	ng/ul 98
41) 2-Chloronaphthalene	13.09	162	1508255	22.127	ng/ul 98
45) 2,6-Dinitrotoluene	13.81	165	238539	16.056	ng/ul 98
47) Acenaphthylene	13.95	152	1467104	14.076	ng/ul 98
49) Acenaphthene	14.30	153	1064703	14.963	ng/ul 98
54) 2,4-Dinitrotoluene	14.60	165	796646	37.197	ng/ul 94
55) 2,3,4,6-Tetrachlorophenol	14.86	232	839536	42.308	ng/ul 97
58) Fluorene	15.29	166	1148491	14.367	ng/ul 96
59) 4-Chlorophenyl-phenylether	15.29	204	1022763	24.119	ng/ul 99
63) 4,6-Dinitro-2-methylphenol	15.37	198	1341324	112.307	ng/ul 96
65) 4-Bromophenyl-phenylether	16.19	248	768327	30.567	ng/ul 98
66) Hexachlorobenzene	16.29	284	836534	31.254	ng/ul 99
69) Phenanthrene	17.03	178	1954142	16.082	ng/ul 100

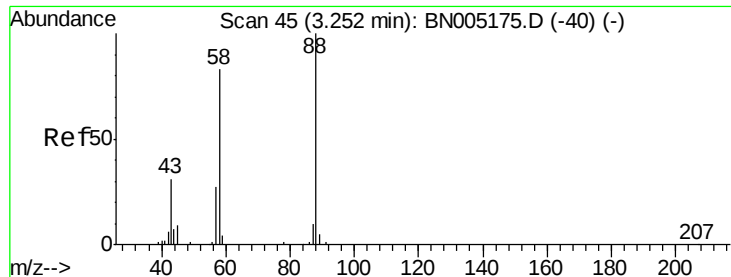
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
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 Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.12	178	1793910	14.492	ng/ul	99
76) Fluoranthene	19.06	202	5069178	37.611	ng/ul	99
79) Pyrene	19.42	202	2105226	16.159	ng/ul	99
82) Benzo(a)anthracene	21.19	228	1925473	15.297	ng/ul	100
84) Chrysene	21.25	228	1847673	15.816	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	5934535	49.465	ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	1711782	14.939	ng/ul	99
90) Benzo(a)pyrene	23.31	252	969595	8.598	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.58	276	2191109	17.574	ng/ul	99
92) Dibenzo(a,h)anthracene	25.60	278	2188697	20.685	ng/ul	98
93) Benzo(a,h,i)perylene	26.24	276	1917126	18.596	ng/ul	98

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



#2

1,4-Dioxane

Concen: 8.588 ng/uL

RT: 3.25 min Scan# 45

Delta R.T. 0.00 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

BNA_N

ClientSampleId :

GAHJ8

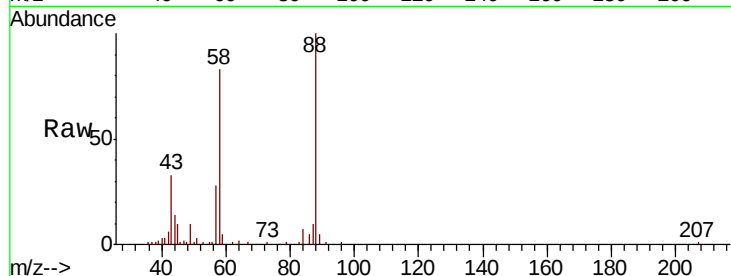
Tot Ion: 88 Resp: 85694

Ion Ratio Lower Upper

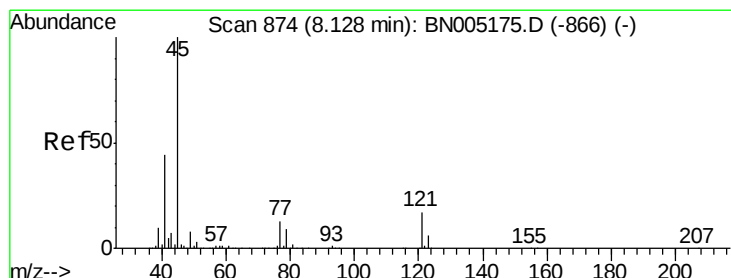
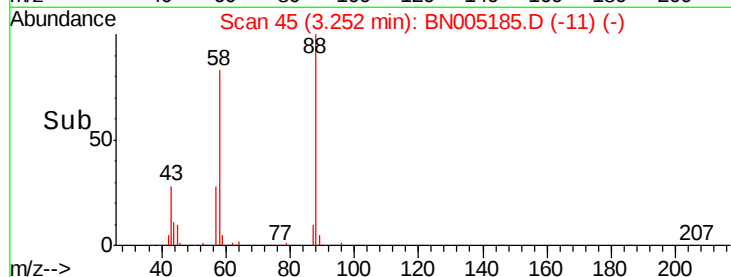
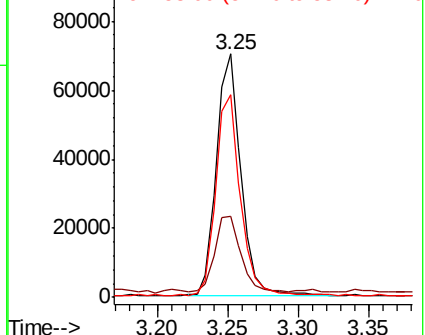
88 100

43 33.1 25.3 37.9

58 83.1 62.3 93.5



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 43.00 (42.70 to 43.70): BNC
Ion 58.00 (57.70 to 58.70): BNC



#12

2,2'-oxybis(1-Chloropropane)

Concen: 18.792 ng/uL

RT: 8.13 min Scan# 875

Delta R.T. 0.00 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

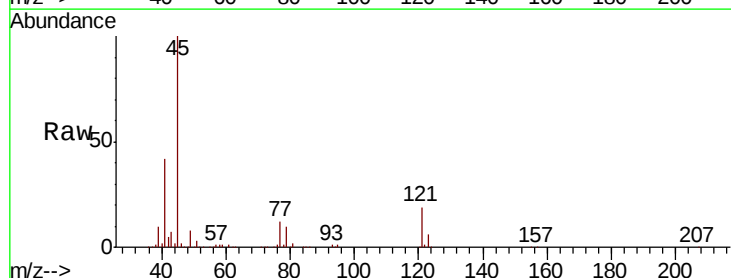
Tgt Ion: 45 Resp: 914317

Ion Ratio Lower Upper

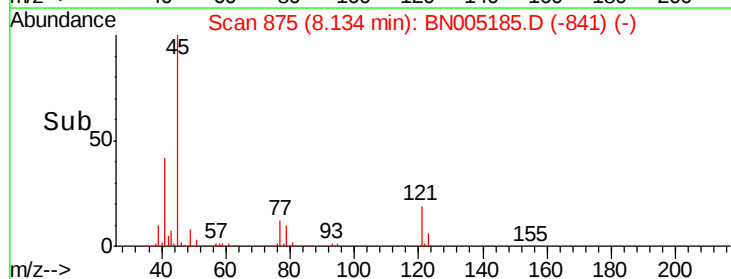
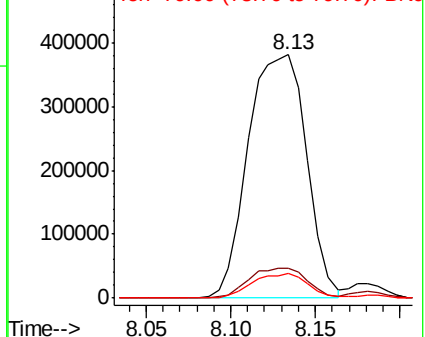
45 100

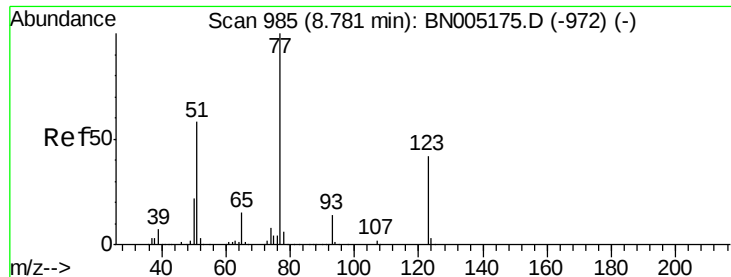
77 12.5 9.8 14.6

79 9.9 7.4 11.0



Abundance Ion 45.00 (44.70 to 45.70): BNC
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

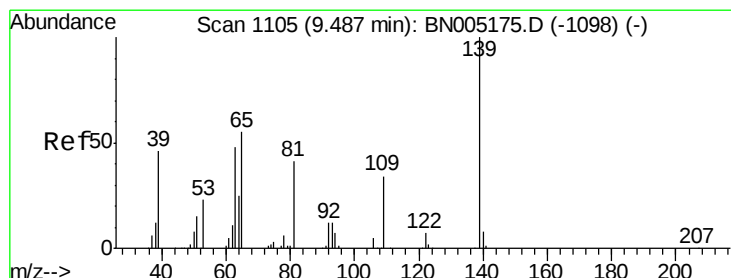
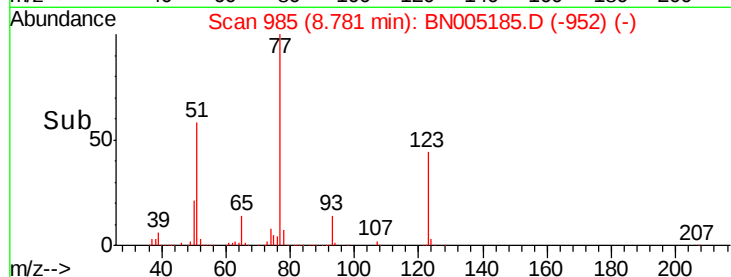
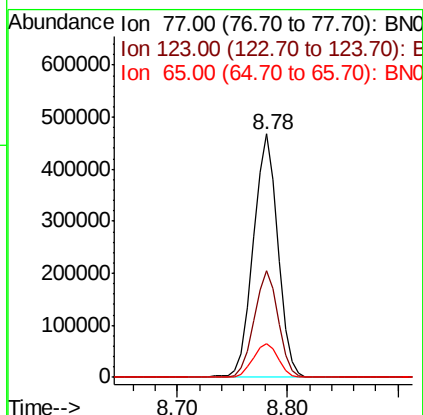
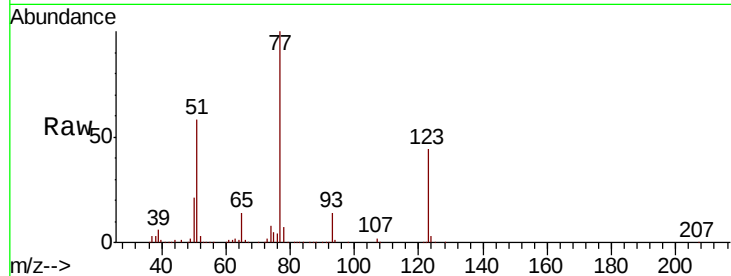




#20
Nitrobenzene
Concen: 21.466 ng/ul
RT: 8.78 min Scan# 985
Delta R.T. -0.01 min
Lab File: BN005185.D
Acq: 22 Apr 2019 21:34

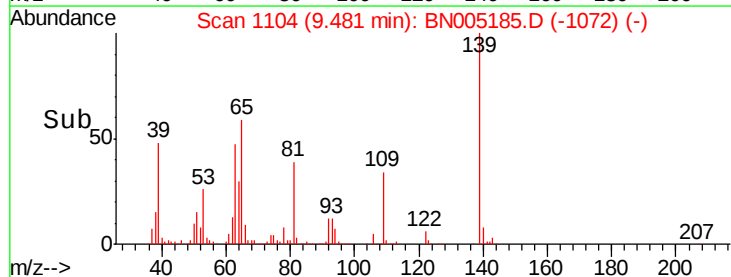
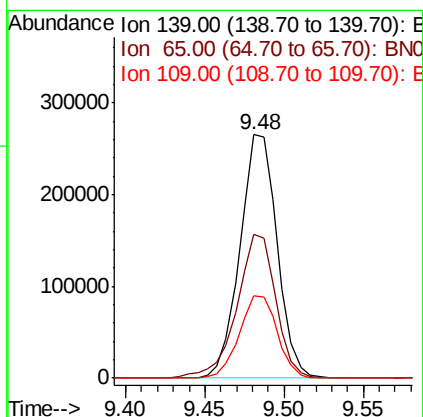
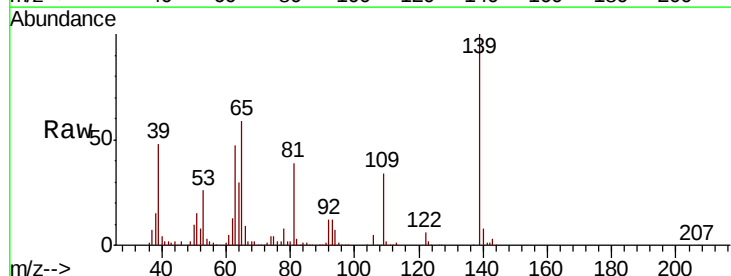
Instrument :
BNA_N
ClientSampleId :
GAHJ8

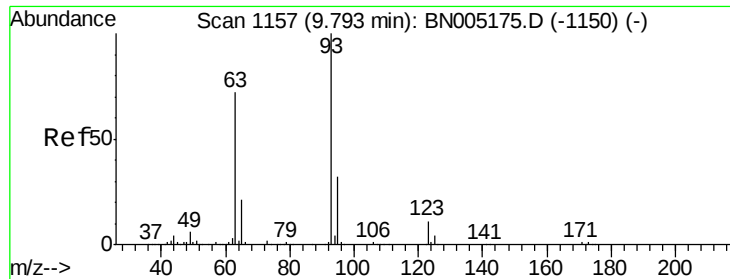
Tot Ion	Ratio	Lower	Upper
77	100		
123	43.6	32.6	49.0
65	14.1	11.6	17.4



#23
2-Nitrophenol
Concen: 30.397 ng/ul
RT: 9.48 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BN005185.D
Acq: 22 Apr 2019 21:34

Tgt Ion	Ratio	Lower	Upper
139	100		
65	59.0	44.2	66.4
109	34.0	26.8	40.2





#25

Bis(2-Chloroethoxy)methane

Concen: 16.530 ng/ul

RT: 9.79 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

BNA_N

ClientSampleId :

GAHJ8

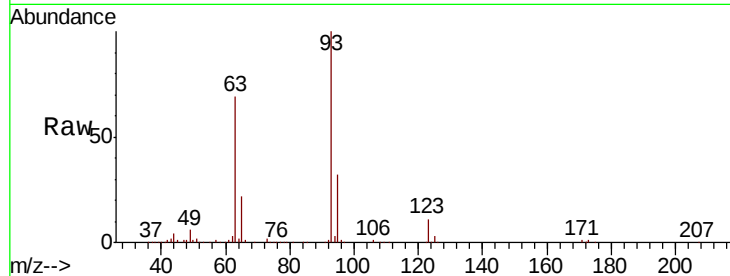
Tot Ion: 93 Resp: 700353

Ion Ratio Lower Upper

93 100

95 32.3 26.6 39.8

123 11.3 8.9 13.3

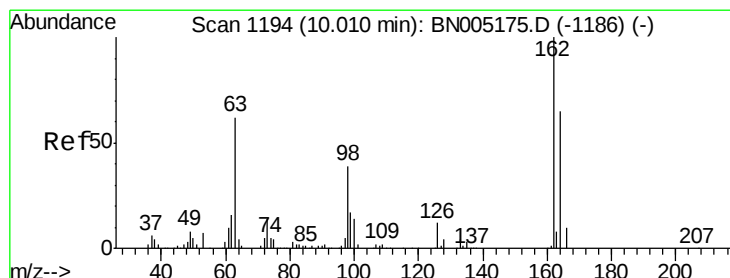
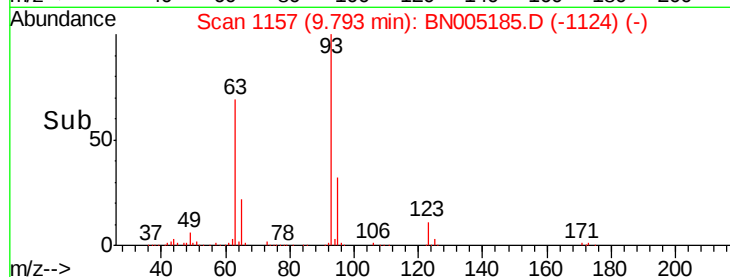
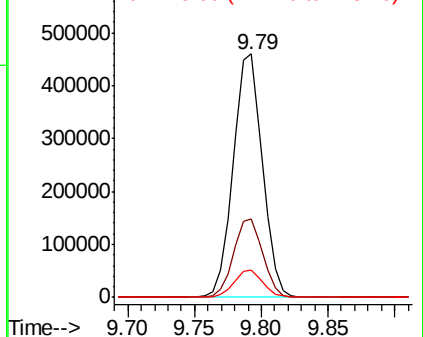


Abundance

Ion 93.00 (92.70 to 93.70): BN005185.D (-1150) (-)

Ion 95.00 (94.70 to 95.70): BN005185.D (-1150) (-)

Ion 123.00 (122.70 to 123.70): BN005185.D (-1150) (-)



#27

2,4-Dichlorophenol

Concen: 19.430 ng/ul

RT: 10.01 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

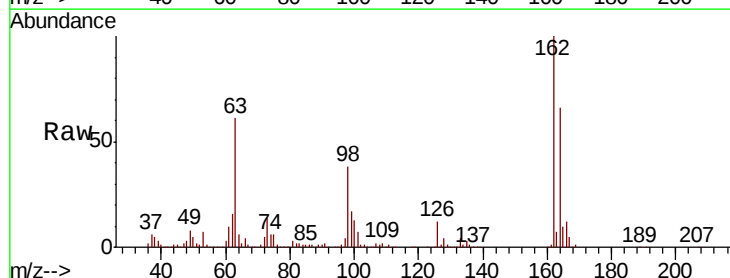
Tgt Ion: 162 Resp: 551359

Ion Ratio Lower Upper

162 100

164 65.8 52.6 79.0

98 38.0 30.8 46.2

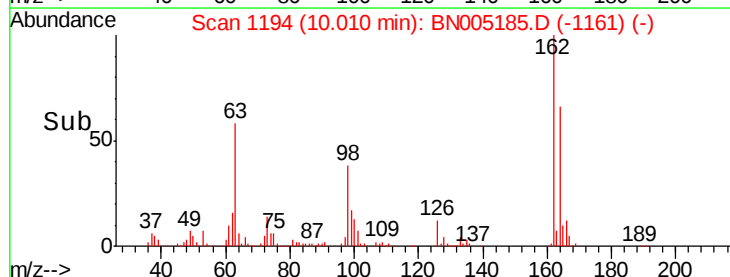
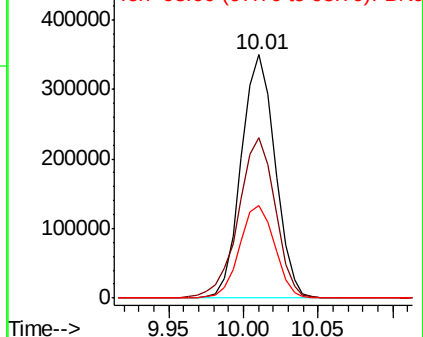


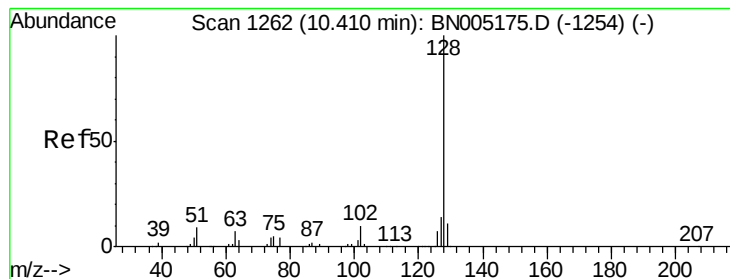
Abundance

Ion 162.00 (161.70 to 162.70): BN005185.D (-1186) (-)

Ion 164.00 (163.70 to 164.70): BN005185.D (-1186) (-)

Ion 98.00 (97.70 to 98.70): BN005185.D (-1186) (-)





#28

Naphthalene

Concen: 12.271 ng/ul

RT: 10.41 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

BNA_N

ClientSampleId :

GAHJ8

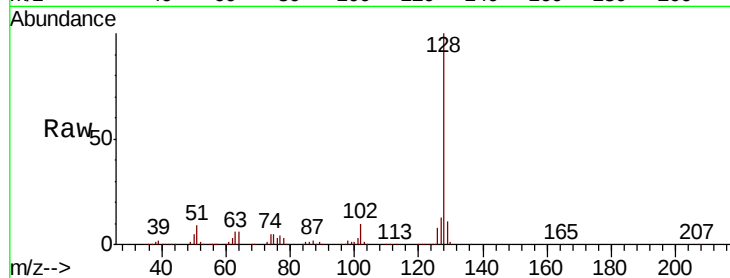
Tot Ion:128 Resp: 1146774

Ion Ratio Lower Upper

128 100

129 10.6 9.2 13.8

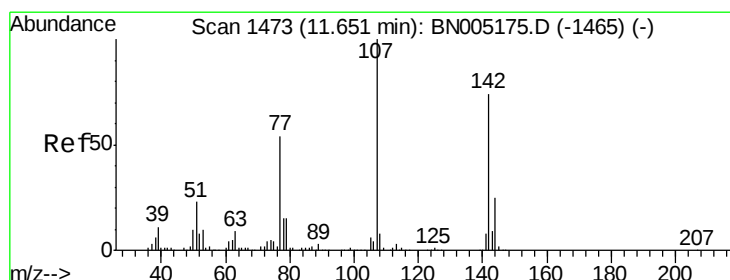
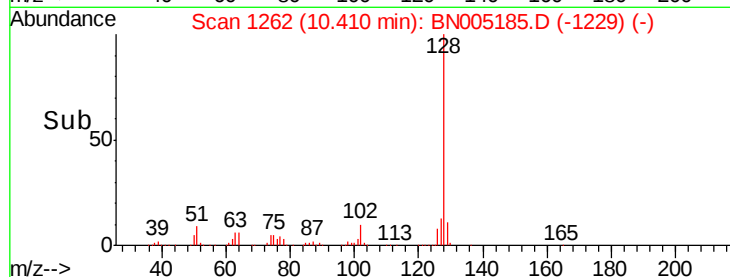
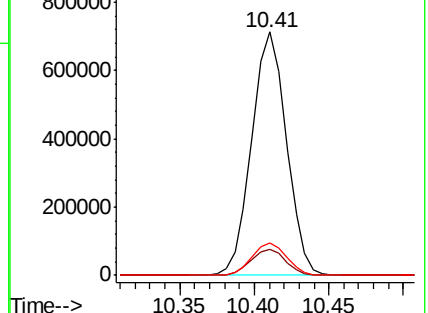
127 13.1 10.7 16.1



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



#33

4-Chloro-3-methylphenol

Concen: 63.428 ng/ul

RT: 11.65 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

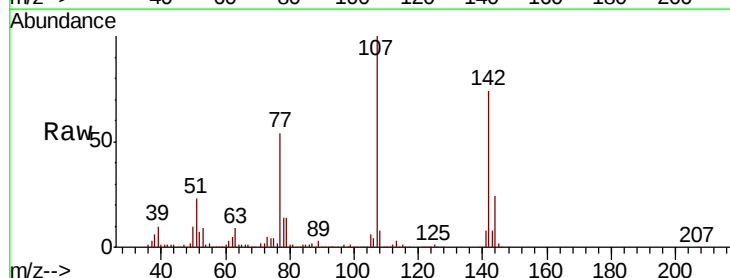
Tgt Ion:107 Resp: 2026649

Ion Ratio Lower Upper

107 100

144 24.3 19.4 29.0

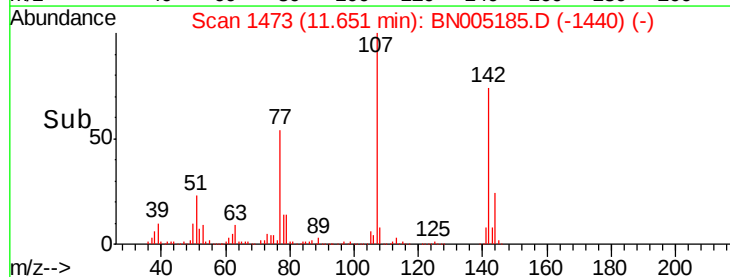
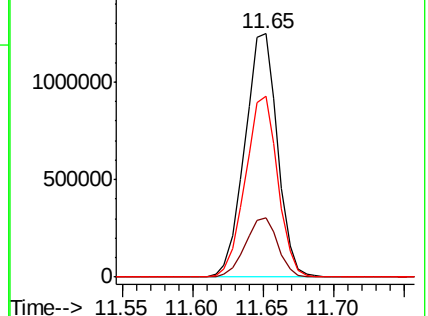
142 74.4 57.7 86.5

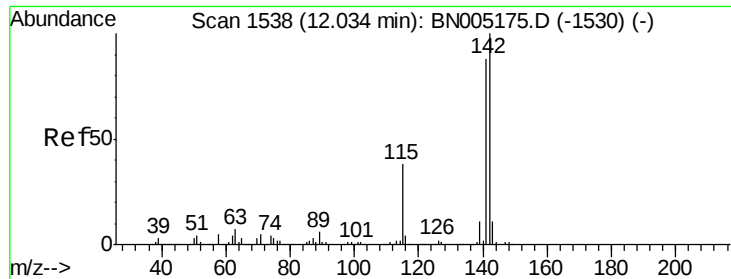


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

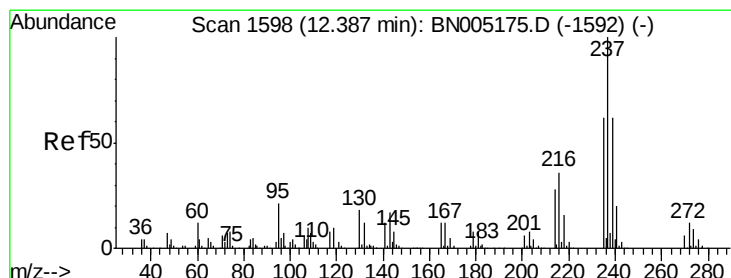
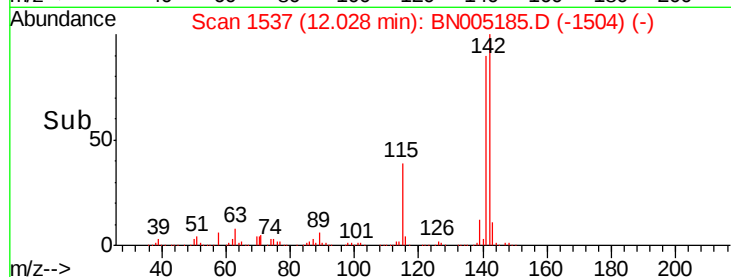
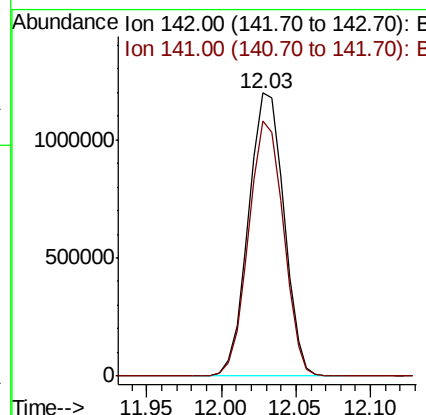
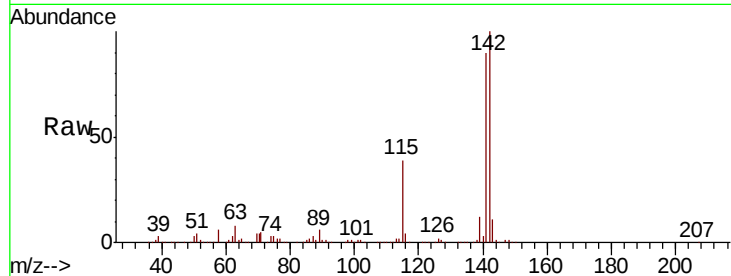




#34
2-Methylnaphthalene
Concen: 28.773 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. -0.01 min
Lab File: BN005185.D
Acq: 22 Apr 2019 21:34

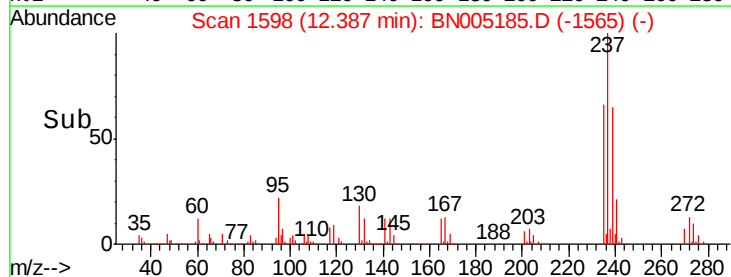
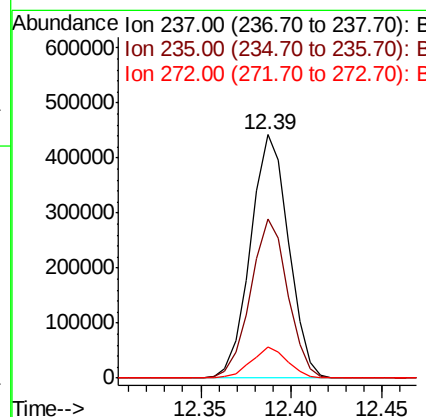
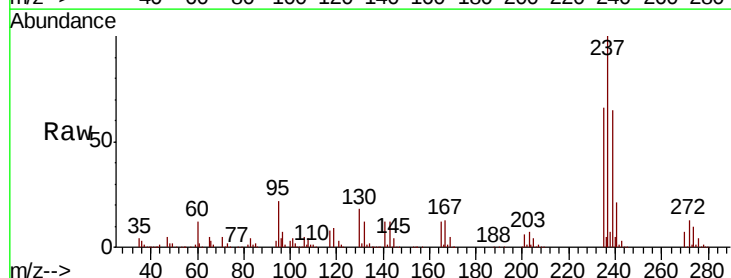
Instrument :
BNA_N
ClientSampled :
GAHJ8

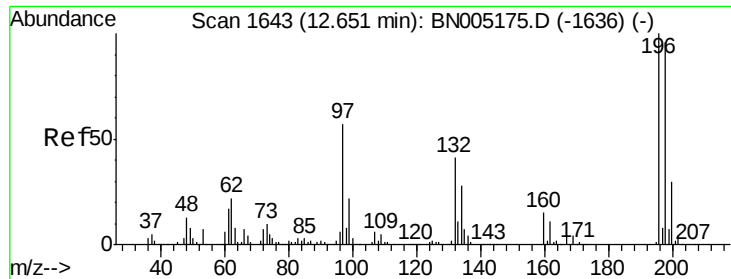
Tot Ion:142 Resp: 1968880
Ion Ratio Lower Upper
142 100
141 90.2 72.0 108.0



#37
Hexachlorocyclopentadiene
Concen: 25.719 ng/ul
RT: 12.39 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BN005185.D
Acq: 22 Apr 2019 21:34

Tgt Ion:237 Resp: 645521
Ion Ratio Lower Upper
237 100
235 65.6 51.1 76.7
272 12.6 9.5 14.3

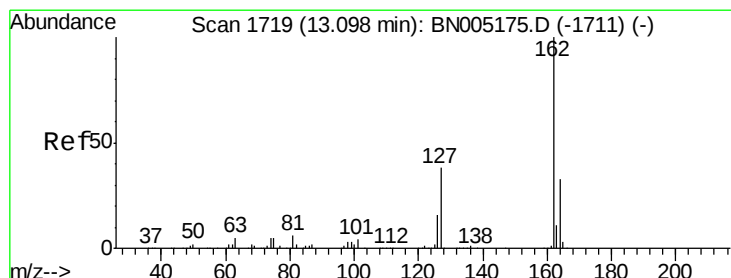
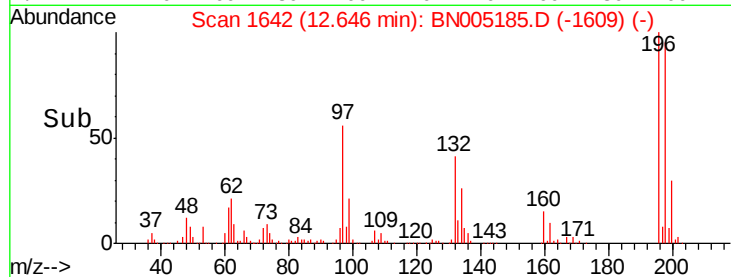
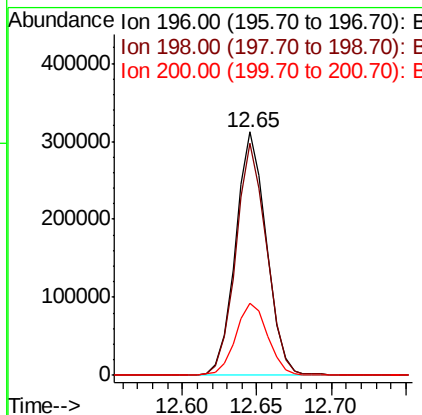
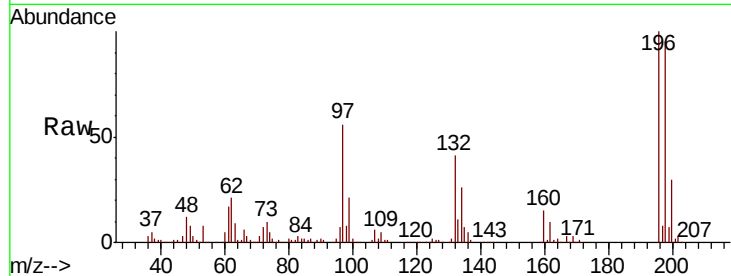




#38
 2,4,6-Trichlorophenol
 Concen: 20.293 ng/uL
 RT: 12.65 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

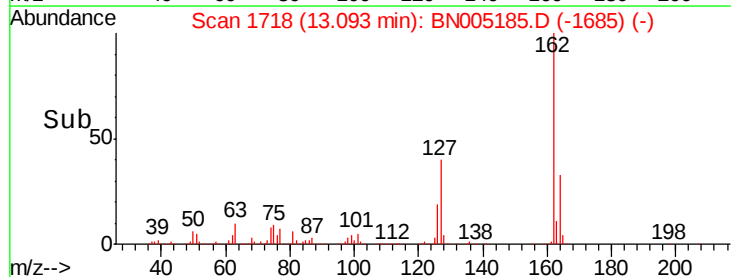
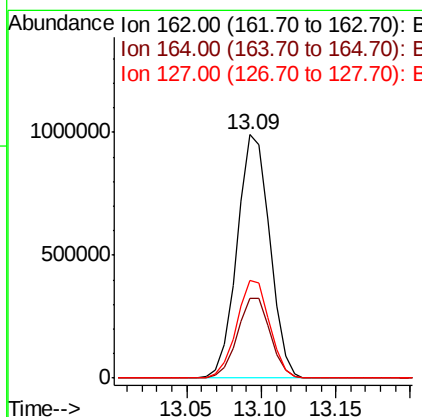
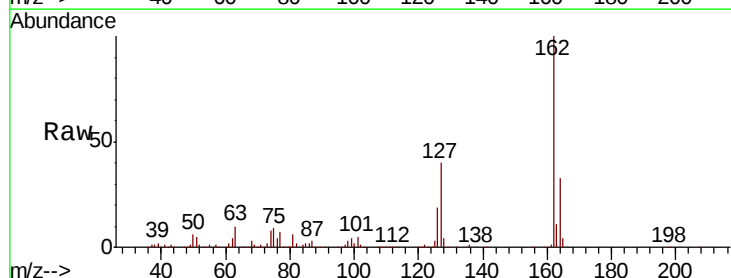
Instrument :
 BNA_N
 ClientSampled :
 GAHJ8

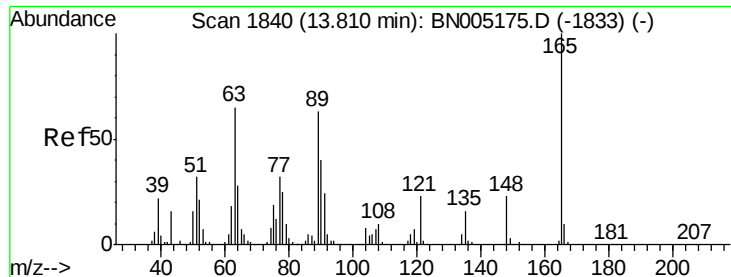
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.5	74.8	112.2
200	29.6	23.5	35.3



#41
 2-Chloronaphthalene
 Concen: 22.127 ng/uL
 RT: 13.09 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

Tgt Ion	Ratio	Lower	Upper
162	100		
164	32.5	26.8	40.2
127	40.4	33.5	50.3

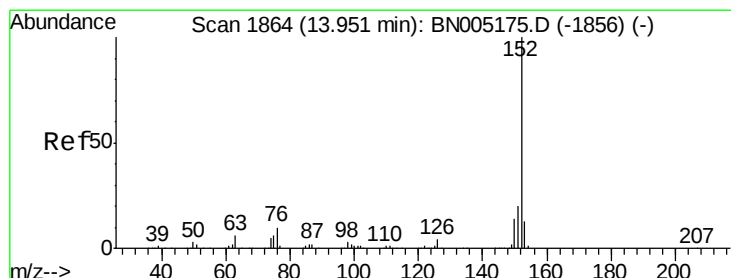
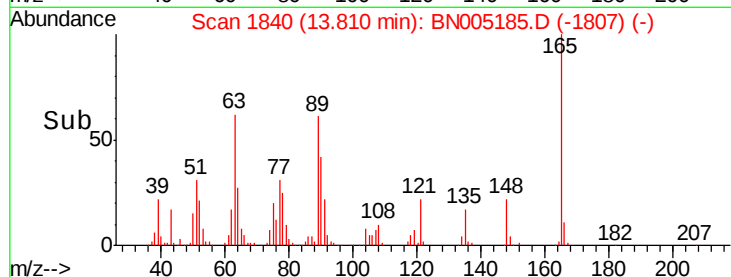
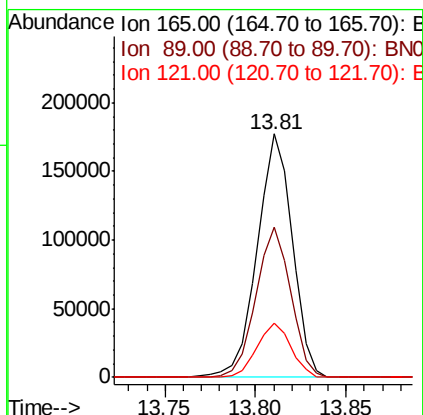
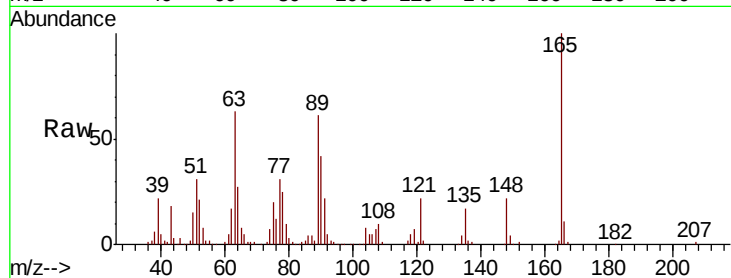




#45
 2,6-Dinitrotoluene
 Concen: 16.056 ng/ul
 RT: 13.81 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

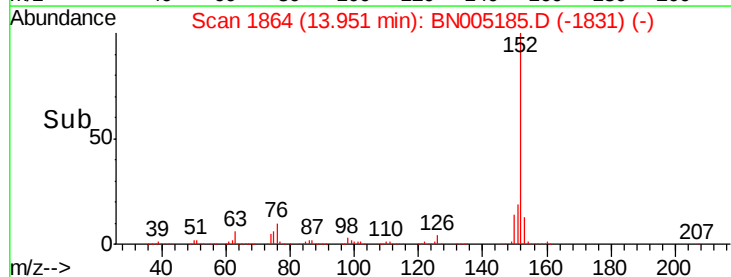
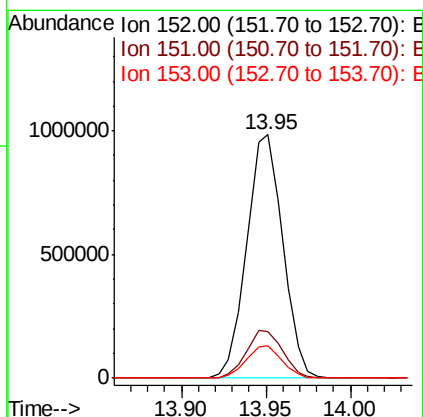
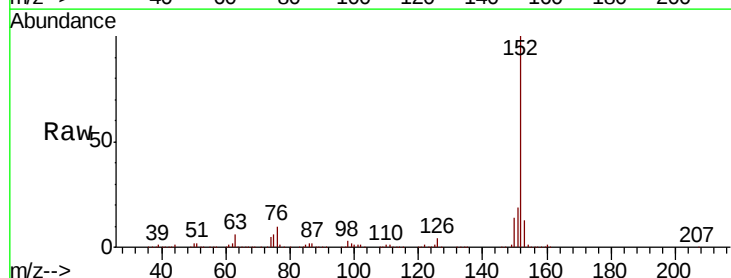
Instrument :
 BNA_N
 ClientSampleId :
 GAHJ8

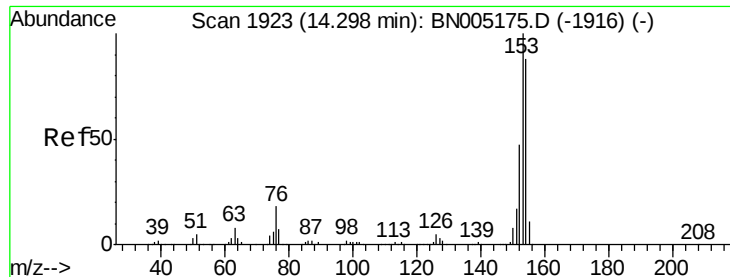
Tot Ion:165 Resp: 238539
 Ion Ratio Lower Upper
 165 100
 89 61.5 50.2 75.2
 121 22.4 19.4 29.2



#47
 Acenaphthylene
 Concen: 14.076 ng/ul
 RT: 13.95 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

Tgt Ion:152 Resp: 1467104
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.8 23.8
 153 13.2 9.8 14.8





#49

Acenaphthene

Concen: 14.963 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

BNA_N

ClientSampleId :

GAHJ8

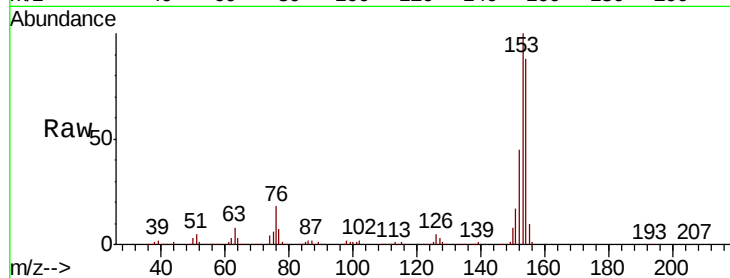
Tot Ion:153 Resp: 1064703

Ion Ratio Lower Upper

153 100

152 45.2 37.4 56.0

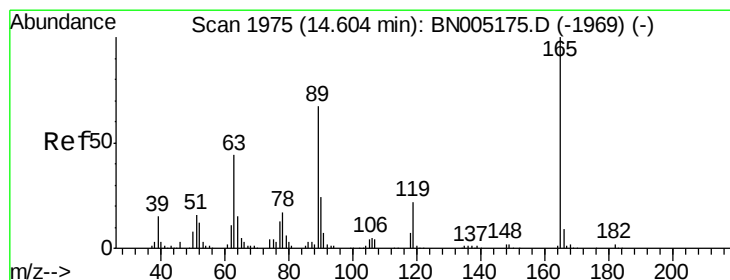
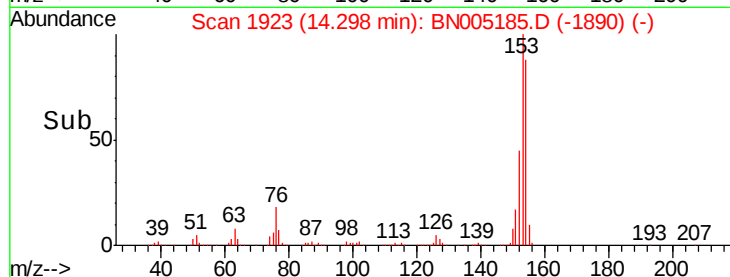
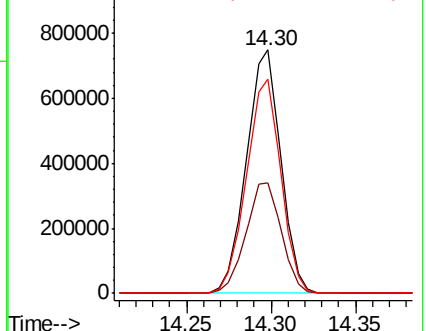
154 87.8 71.2 106.8



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



#54

2,4-Dinitrotoluene

Concen: 37.197 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

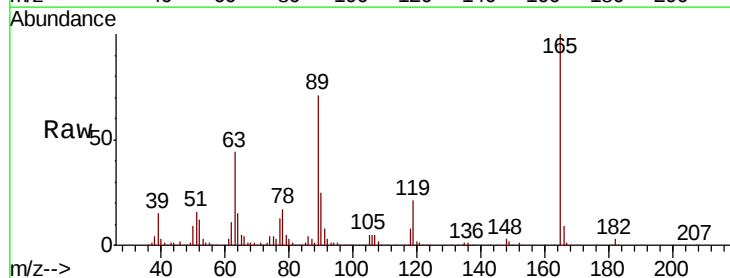
Tgt Ion:165 Resp: 796646

Ion Ratio Lower Upper

165 100

63 44.2 38.9 58.3

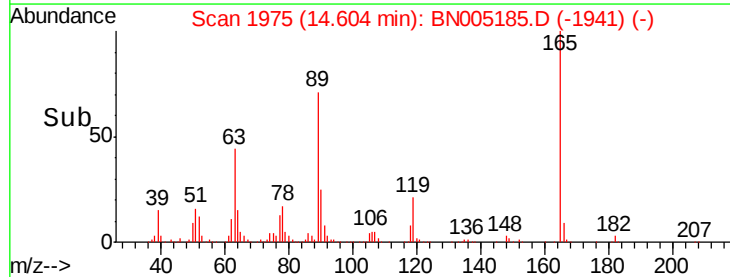
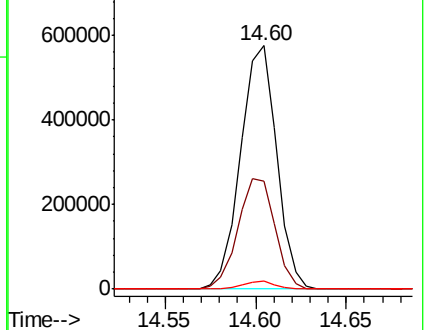
182 3.1 2.6 3.8

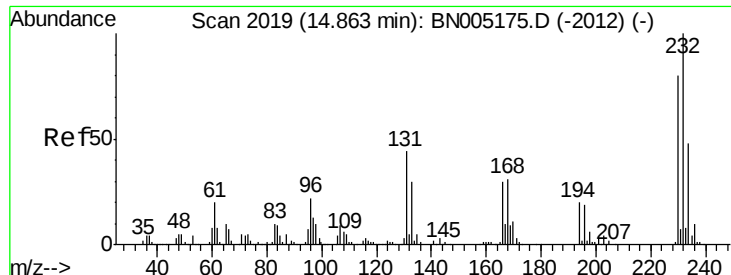


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

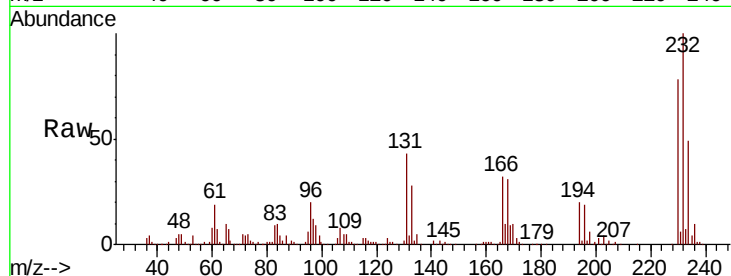




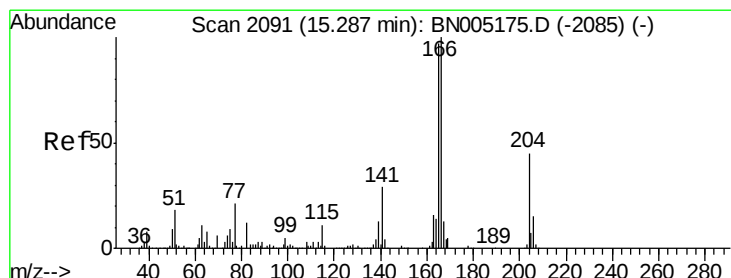
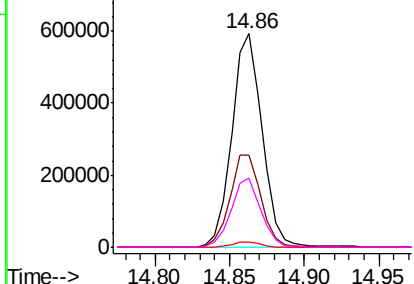
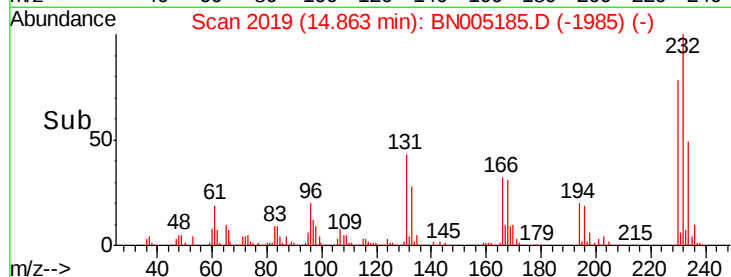
#55
 2,3,4,6-Tetrachlorophenol
 Concen: 42.308 ng/ul
 RT: 14.86 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

Instrument :
 BNA_N
 ClientSampleId :
 GAHJ8

Tot Ion:	232	Resp:	839536
Ion	Ratio	Lower	Upper
232	100		
131	43.0	36.6	54.8
130	2.3	2.0	3.0
166	32.2	26.6	39.8

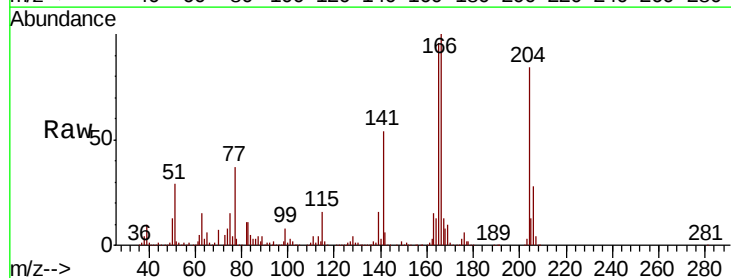


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

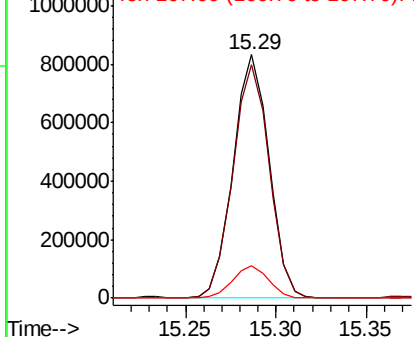
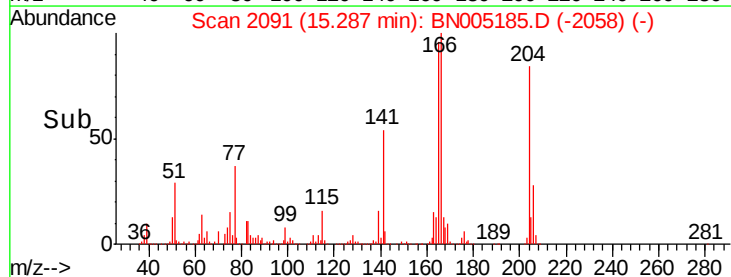


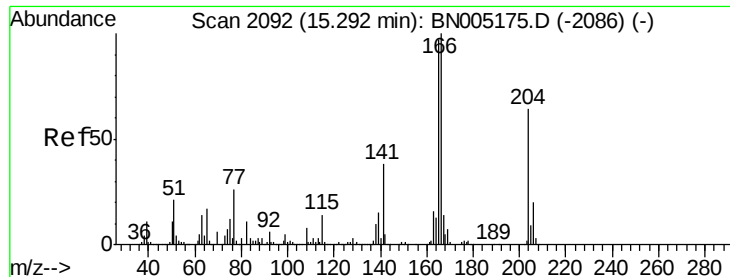
#58
 Fluorene
 Concen: 14.367 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

Tgt Ion:	166	Resp:	1148491
Ion	Ratio	Lower	Upper
166	100		
165	95.7	80.0	120.0
167	13.4	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

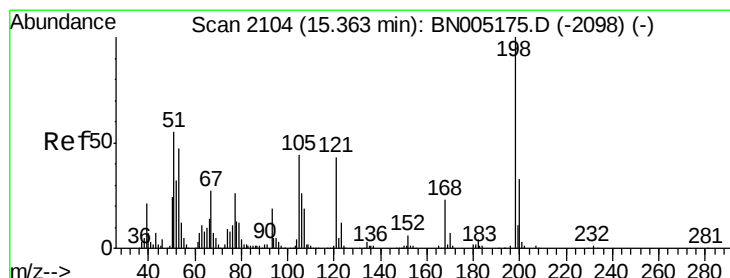
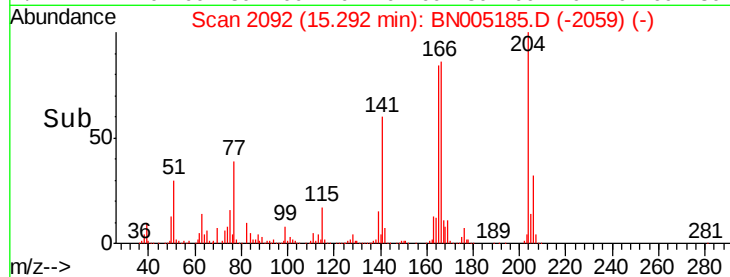
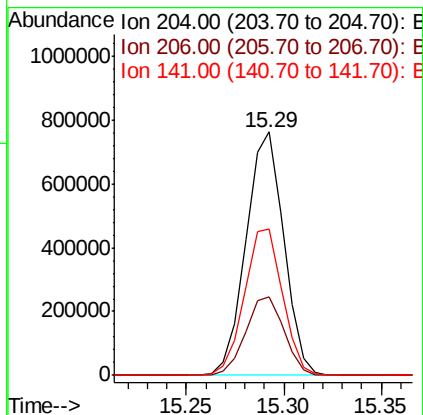
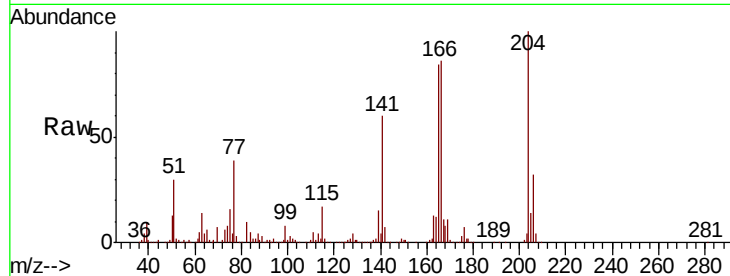




#59
 4-Chlorophenyl-phenylether
 Concen: 24.119 ng/ul
 RT: 15.29 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

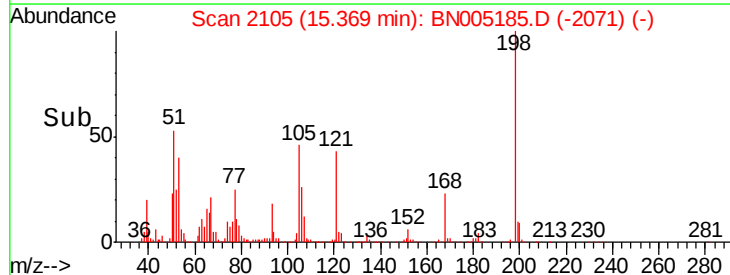
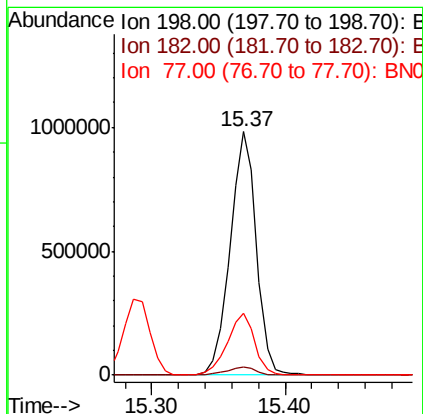
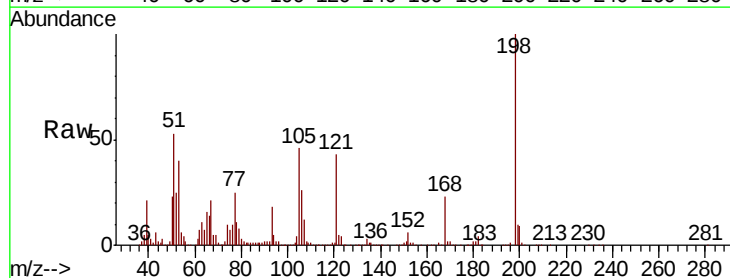
Instrument :
 BNA_N
 ClientSampled :
 GAHJ8

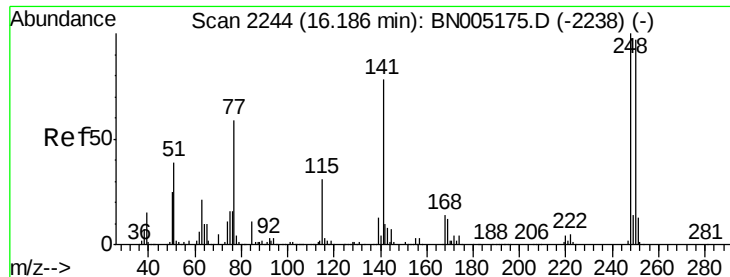
Tot Ion:204 Resp: 1022763
 Ion Ratio Lower Upper
 204 100
 206 32.4 26.9 40.3
 141 60.1 47.9 71.9



#63
 4,6-Dinitro-2-methylphenol
 Concen: 112.307 ng/ul
 RT: 15.37 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

Tgt Ion:198 Resp: 1341324
 Ion Ratio Lower Upper
 198 100
 182 3.6 3.0 4.6
 77 25.3 21.9 32.9

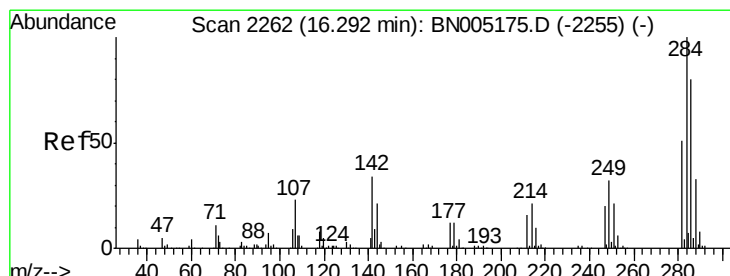
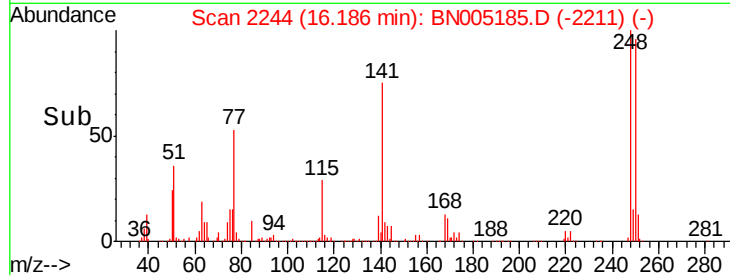
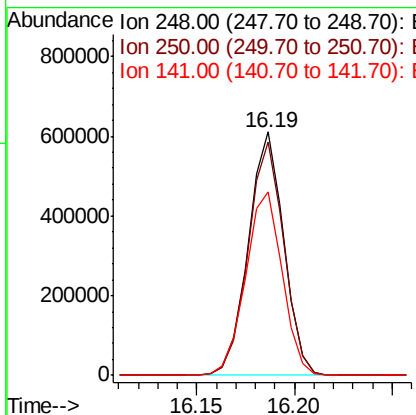
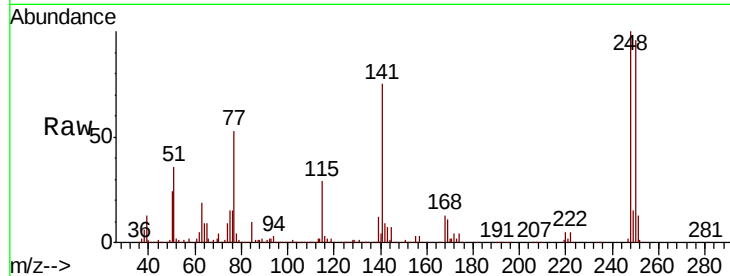




#65
 4-Bromophenyl-phenylether
 Concen: 30.567 ng/ul
 RT: 16.19 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

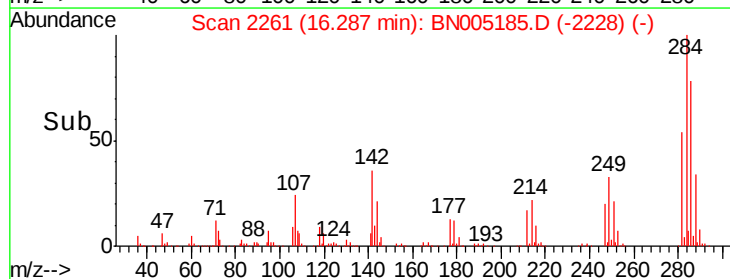
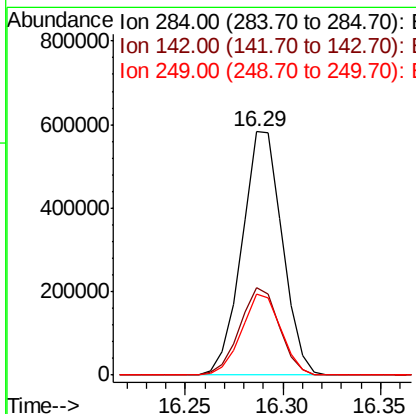
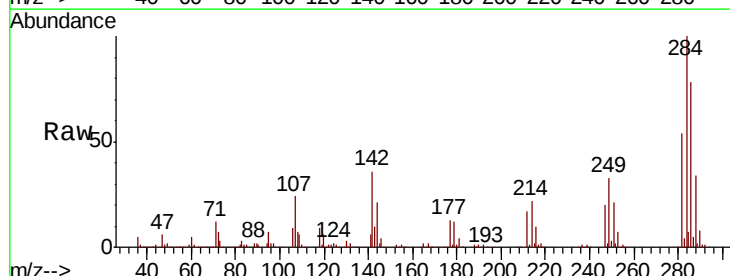
Instrument :
 BNA_N
 ClientSampleId :
 GAHJ8

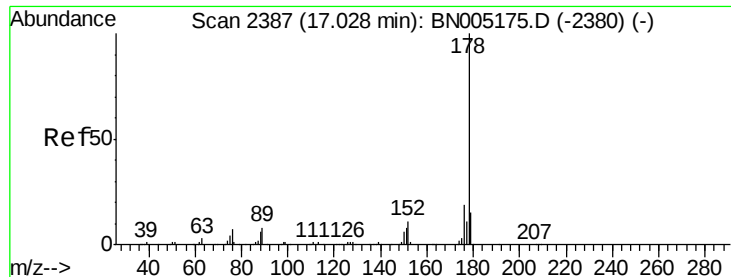
Tot Ion:248	Resp:	768327
Ion Ratio	Lower	Upper
248	100	
250	95.7	78.4 117.6
141	75.2	61.8 92.6



#66
 Hexachlorobenzene
 Concen: 31.254 ng/ul
 RT: 16.29 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: BN005185.D
 Acq: 22 Apr 2019 21:34

Tgt Ion:284	Resp:	836534
Ion Ratio	Lower	Upper
284	100	
142	36.1	29.4 44.2
249	33.3	26.1 39.1





#69

Phenanthrene

Concen: 16.082 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

BNA_N

ClientSampleId :

GAHJ8

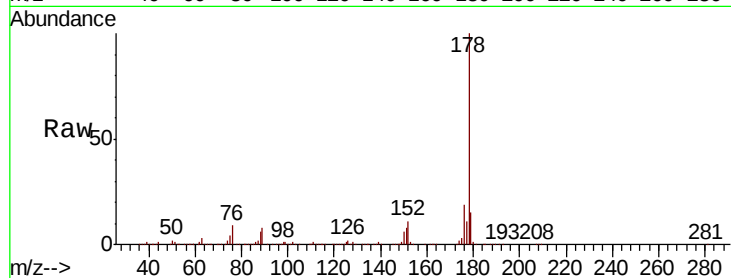
Tot Ion:178 Resp: 1954142

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

176 18.8 15.1 22.7

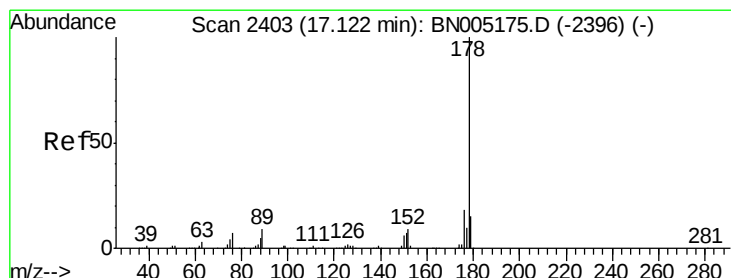
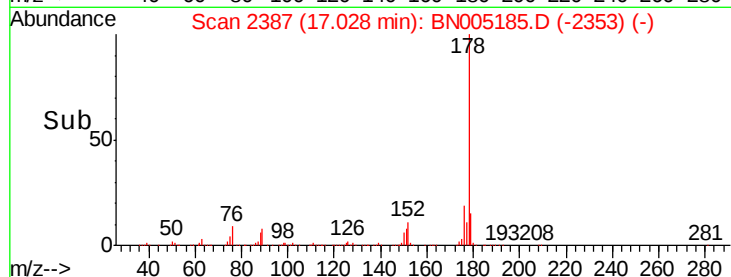
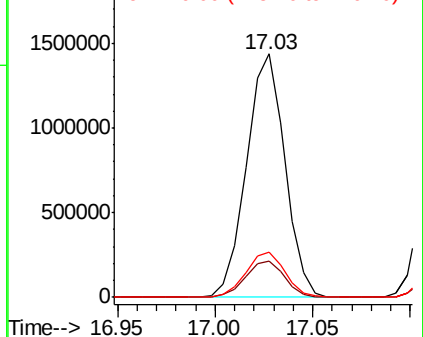


Abundance

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: 14.492 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

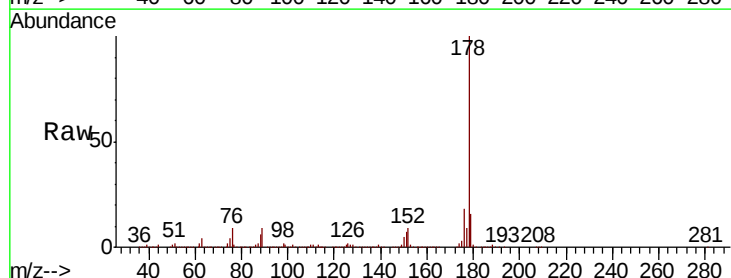
Tgt Ion:178 Resp: 1793910

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

176 18.4 15.1 22.7

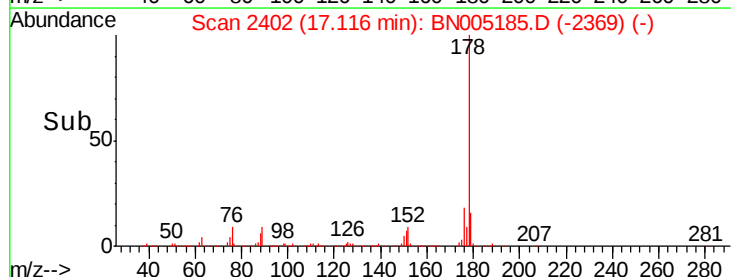
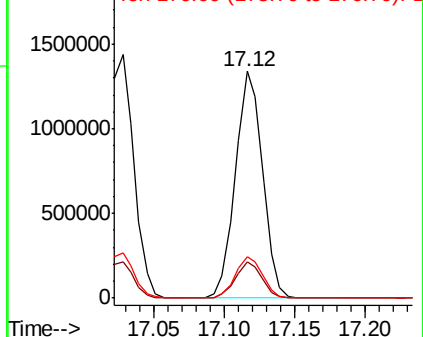


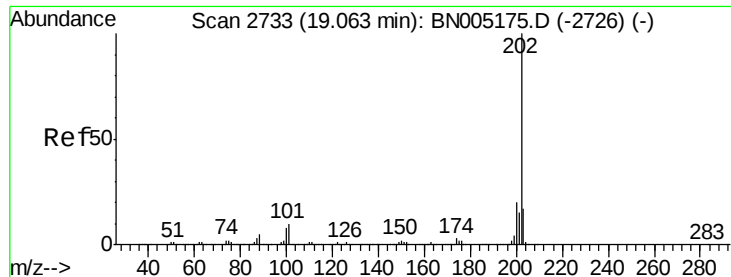
Abundance

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: 37.611 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

BNA_N

ClientSampleId :

GAHJ8

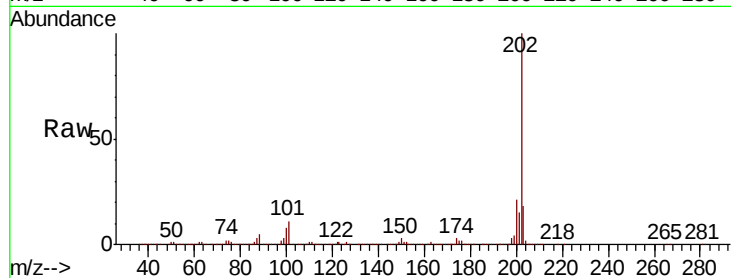
Tot Ion:202 Resp: 5069178

Ion Ratio Lower Upper

202 100

101 10.8 8.6 12.8

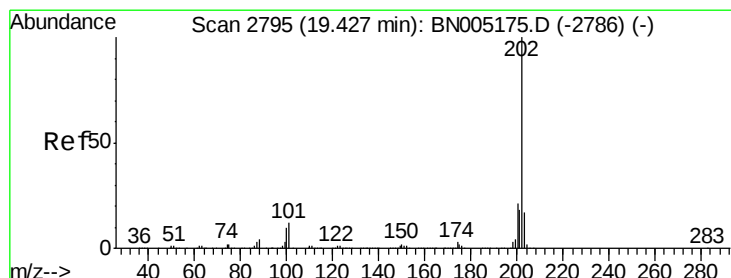
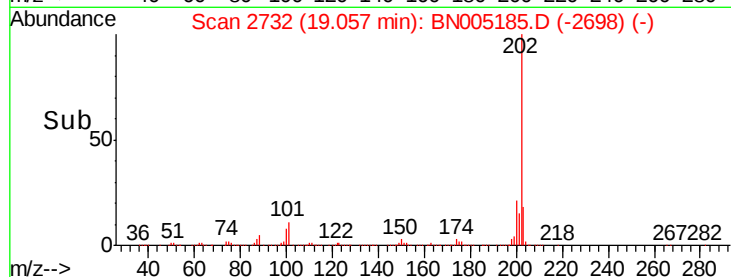
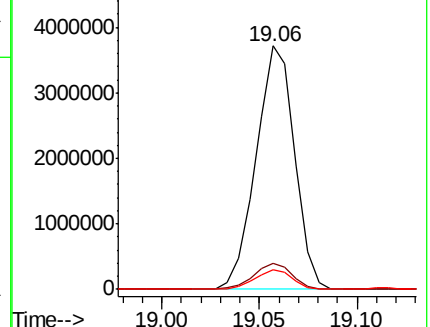
100 8.2 6.3 9.5



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: 16.159 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

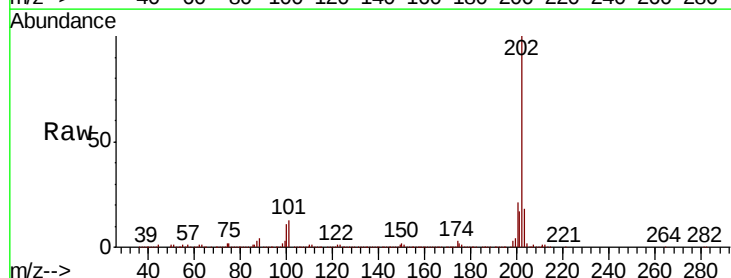
Tgt Ion:202 Resp: 2105226

Ion Ratio Lower Upper

202 100

101 13.0 10.3 15.5

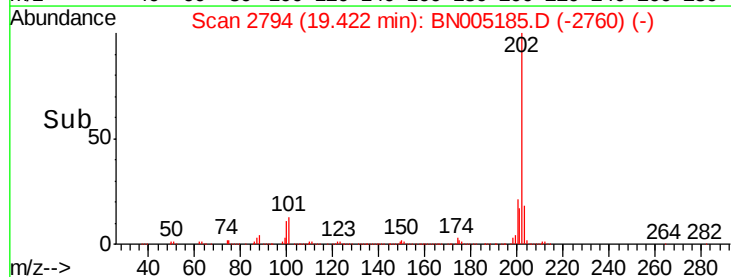
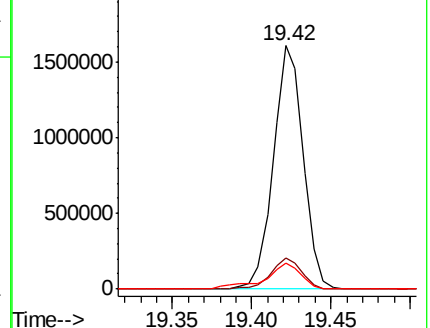
100 10.5 7.9 11.9

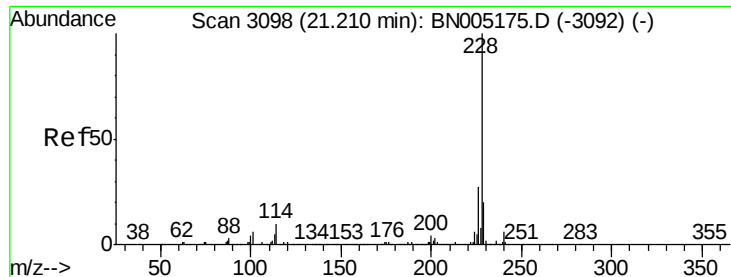


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 15.297 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

BNA_N

ClientSampleId :

GAHJ8

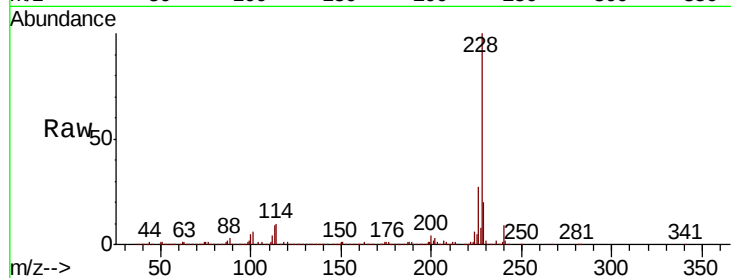
Tot Ion:228 Resp: 1925473

Ion Ratio Lower Upper

228 100

229 20.1 15.8 23.6

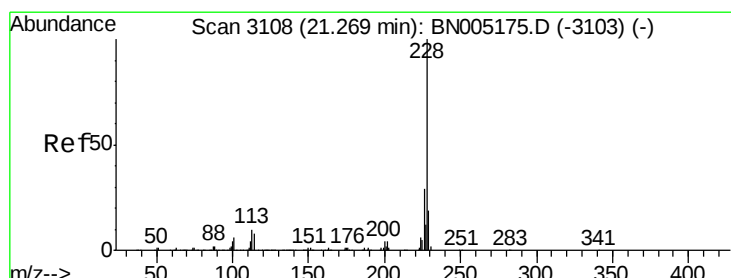
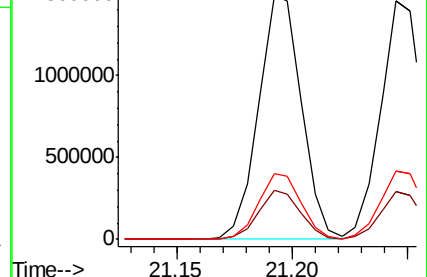
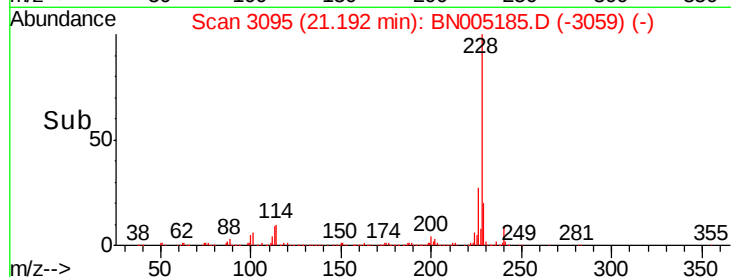
226 26.8 21.4 32.2



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: 15.816 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

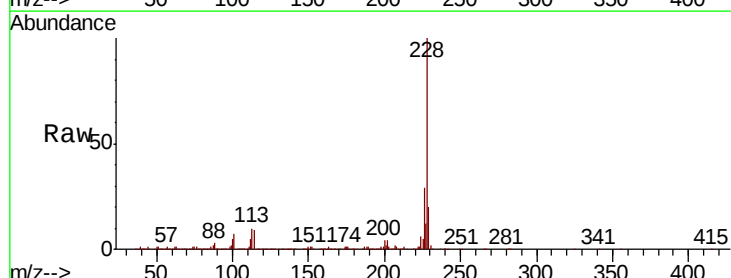
Tgt Ion:228 Resp: 1847673

Ion Ratio Lower Upper

228 100

226 28.8 24.0 36.0

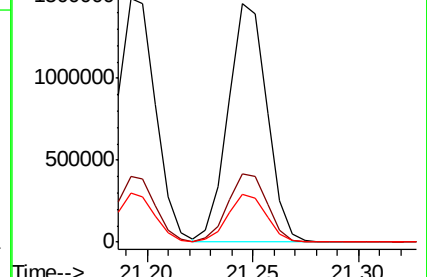
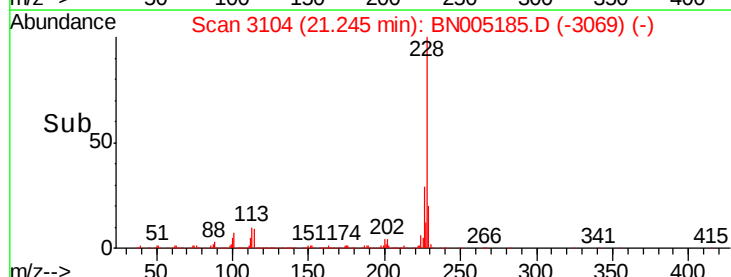
229 19.8 15.4 23.0

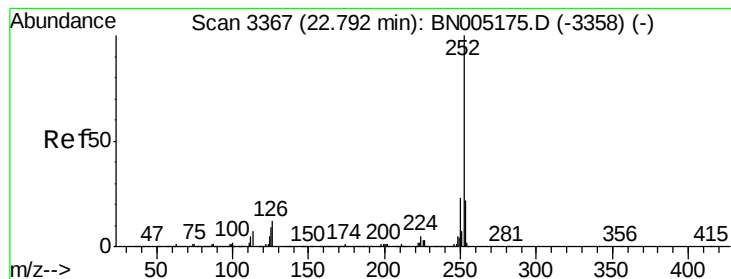


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 49.465 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. 0.03 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

BNA_N

ClientSampleId :

GAHJ8

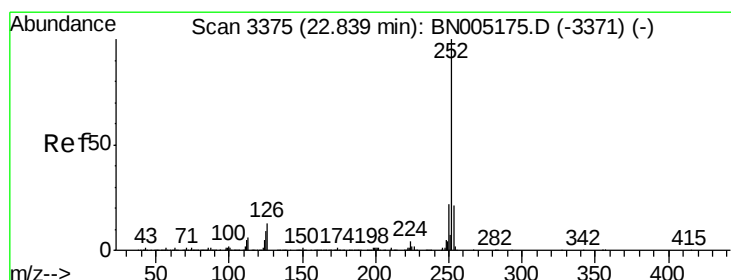
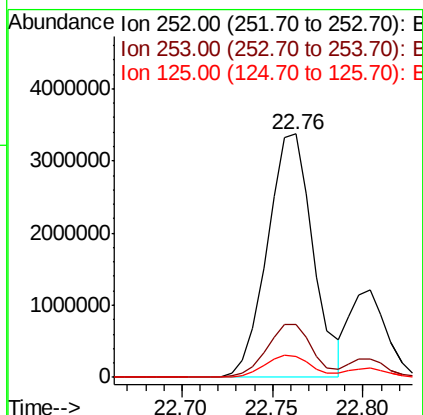
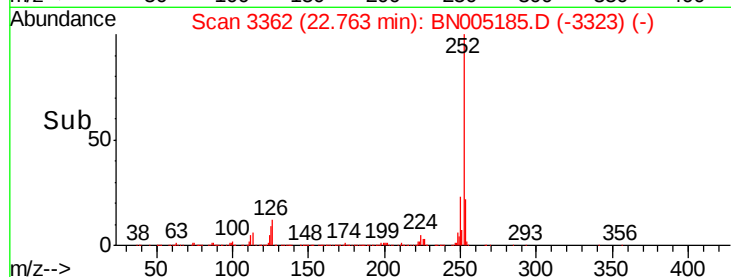
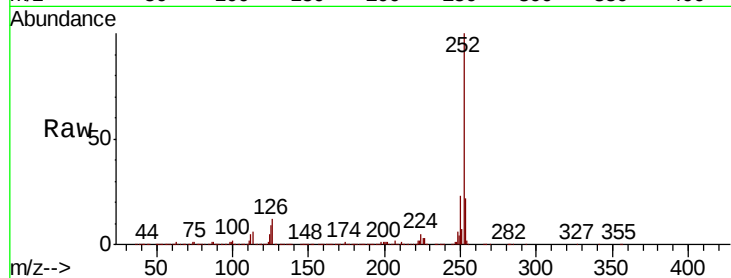
Tot Ion:252 Resp: 5934535

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 8.5 8.4 12.6



#88

Benzo(k)fluoranthene

Concen: 14.939 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.02 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

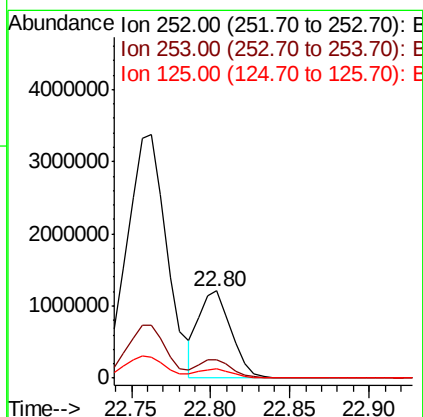
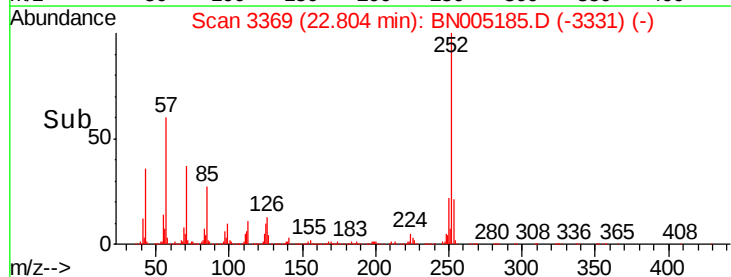
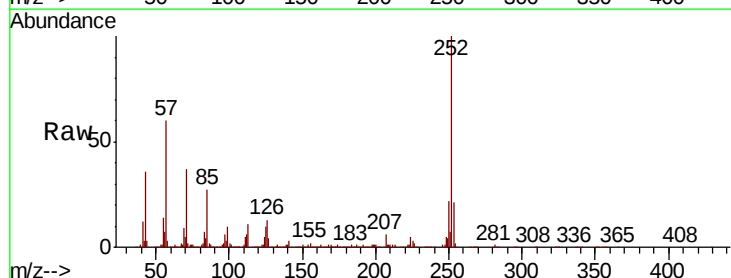
Tgt Ion:252 Resp: 1711782

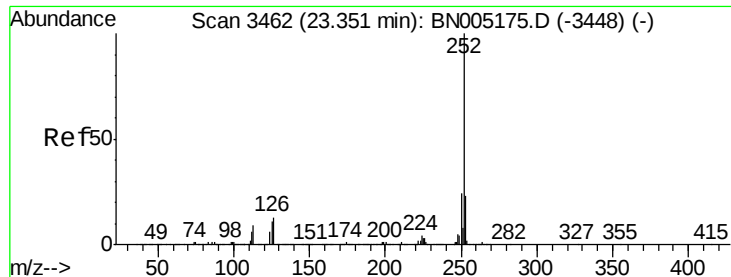
Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.0

125 10.1 7.5 11.3





#90

Benzo(a)pyrene

Concen: 8.598 ng/ul

RT: 23.31 min Scan# 3455

Delta R.T. 0.02 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

BNA_N

ClientSampleId :

GAHJ8

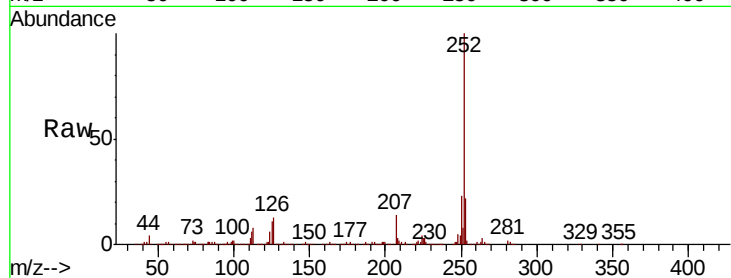
Tot Ion:252 Resp: 969595

Ion Ratio Lower Upper

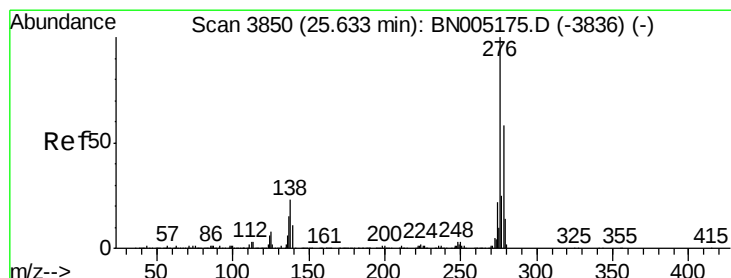
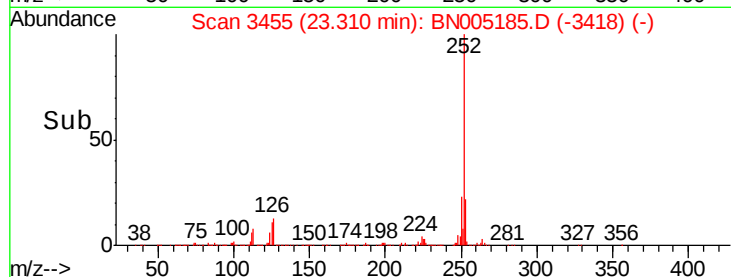
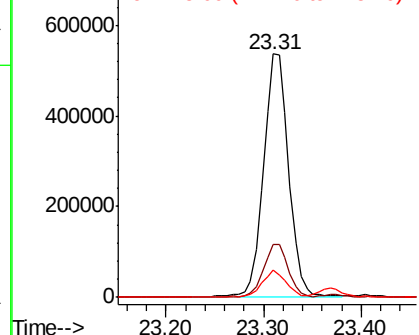
252 100

253 22.0 17.3 25.9

125 11.3 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: 17.574 ng/ul

RT: 25.58 min Scan# 3841

Delta R.T. 0.02 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

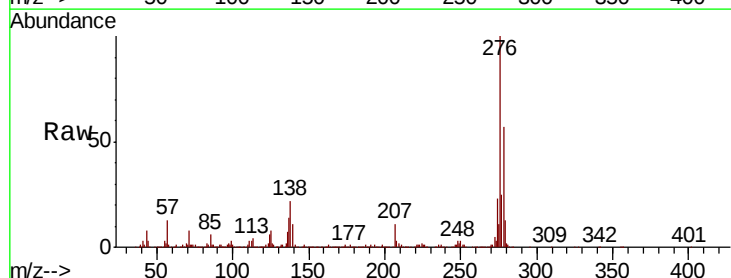
Tgt Ion:276 Resp: 2191109

Ion Ratio Lower Upper

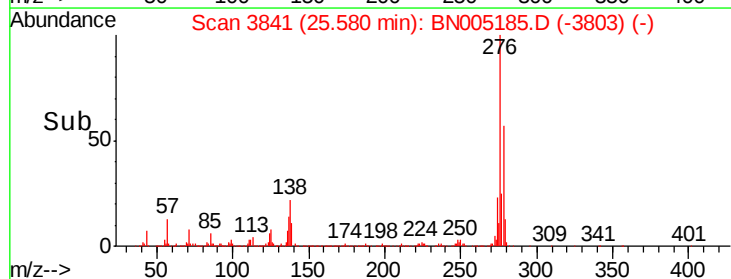
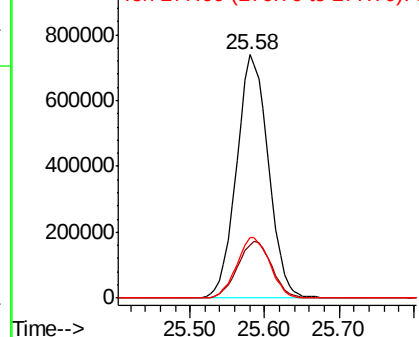
276 100

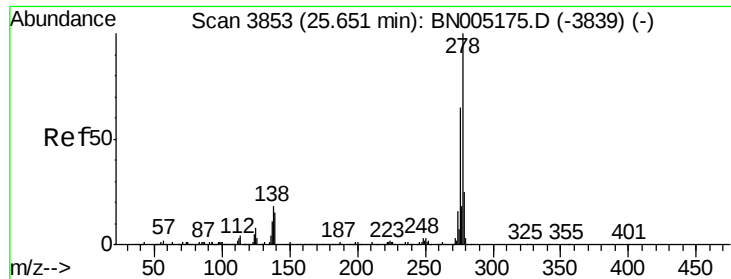
138 22.0 17.9 26.9

277 24.8 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: 20.685 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. 0.02 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Instrument :

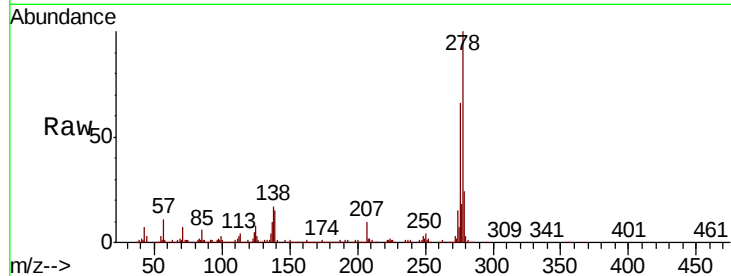
BNA_N

ClientSampleId :

GAHJ8

Tot Ion:278 Resp: 2188697

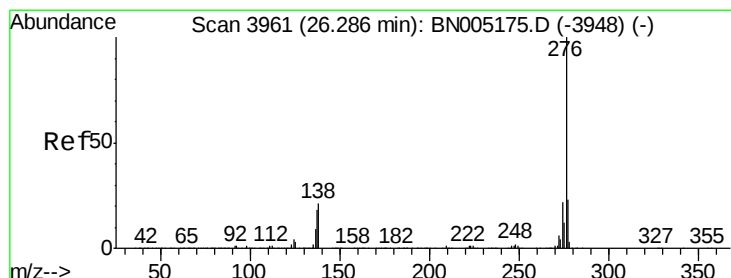
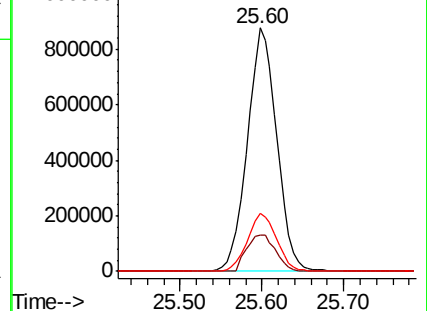
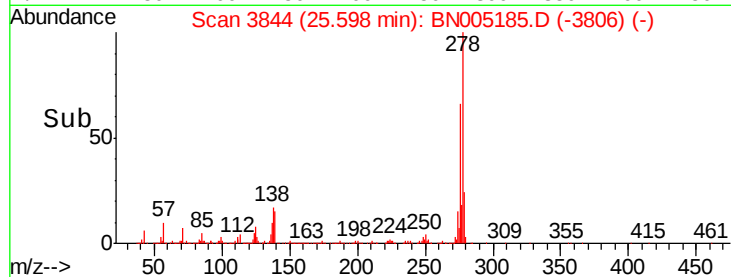
Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.1	19.7
279	23.9	19.4	29.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 18.596 ng/ul

RT: 26.24 min Scan# 3954

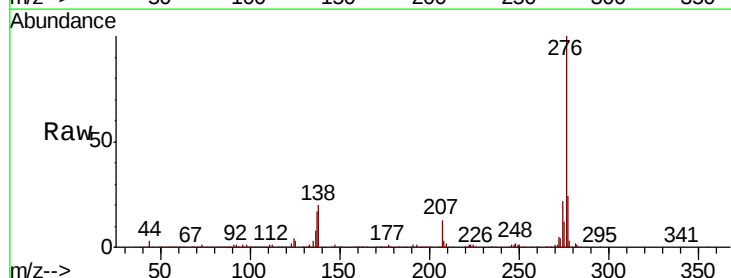
Delta R.T. 0.03 min

Lab File: BN005185.D

Acq: 22 Apr 2019 21:34

Tgt Ion:276 Resp: 1917126

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.7	25.1
277	23.6	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

