

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
 Data File : BN005543.D
 Acq On : 08 May 2019 21:43
 Operator : JU/SJ
 Sample : K2603-08ME
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 09 02:34:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	310277	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1345618	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	839541	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1986506	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1651447	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	1557291	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	28195	4.39	ng/uL	0.00
5) Phenol-d5	6.77	99	610177	25.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	388814	25.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	525916	28.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	514401	27.00	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	294151	35.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	329660	39.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	552908	28.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	681467	34.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	1978802	32.47	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2251916	30.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	254751	26.47	ng/ul	0.00
57) Fluorene-d10	15.22	176	1662318	32.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	172042	19.26	ng/ul	0.00
70) Anthracene-d10	17.08	188	2556020	30.69	ng/ul	0.00
78) Pyrene-d10	19.39	212	2696892	31.92	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	1992712	29.28	ng/ul	-0.01

Target Compounds

					Ovalue	
17) Hexachloroethane	8.68	117	20196	2.412	ng/ul#	6
30) 4-Chloroaniline	10.42	127	3440581	170.187	ng/ul#	10
32) Caprolactam	11.39	113	8064	1.403	ng/ul	91
34) 2-Methylnaphthalene	12.03	142	6275302	137.004	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	1345044	21.502	ng/ul	98
44) Dimethylphthalate	13.69	163	300547	4.949	ng/ul	99
47) Acenaphthylene	13.95	152	5367975	72.973	ng/ul	98
49) Acenaphthene	14.29	153	522247	10.399	ng/ul	99
53) Dibenzofuran	14.62	168	601486	8.319	ng/ul	99
54) 2,4-Dinitrotoluene	14.59	165	18978	1.256	ng/ul#	47
58) Fluorene	15.28	166	3043630	53.946	ng/ul	98
60) 4-Nitroaniline	15.28	138	34784	2.862	ng/ul#	17
69) Phenanthrene	17.03	178	13009422	134.470	ng/ul	97
71) Anthracene	17.12	178	3333803	33.827	ng/ul	99
74) Carbazole	17.39	167	219116	2.588	ng/ul	96
76) Fluoranthene	19.06	202	6012512	56.030	ng/ul	97
79) Pyrene	19.43	202	7617281	71.637	ng/ul#	94
82) Benzo(a)anthracene	21.25	228	2175032	21.171	ng/ul	96
84) Chrysene	21.25	228	2190861	22.977	ng/ul	99
87) Benzo(b)fluoranthene	22.92	252	299498	3.421	ng/ul	98
88) Benzo(k)fluoranthene	22.76	252	2025773	24.230	ng/ul	99
90) Benzo(a)pyrene	23.32	252	1589391	19.316	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	619303	6.808	ng/ul#	93

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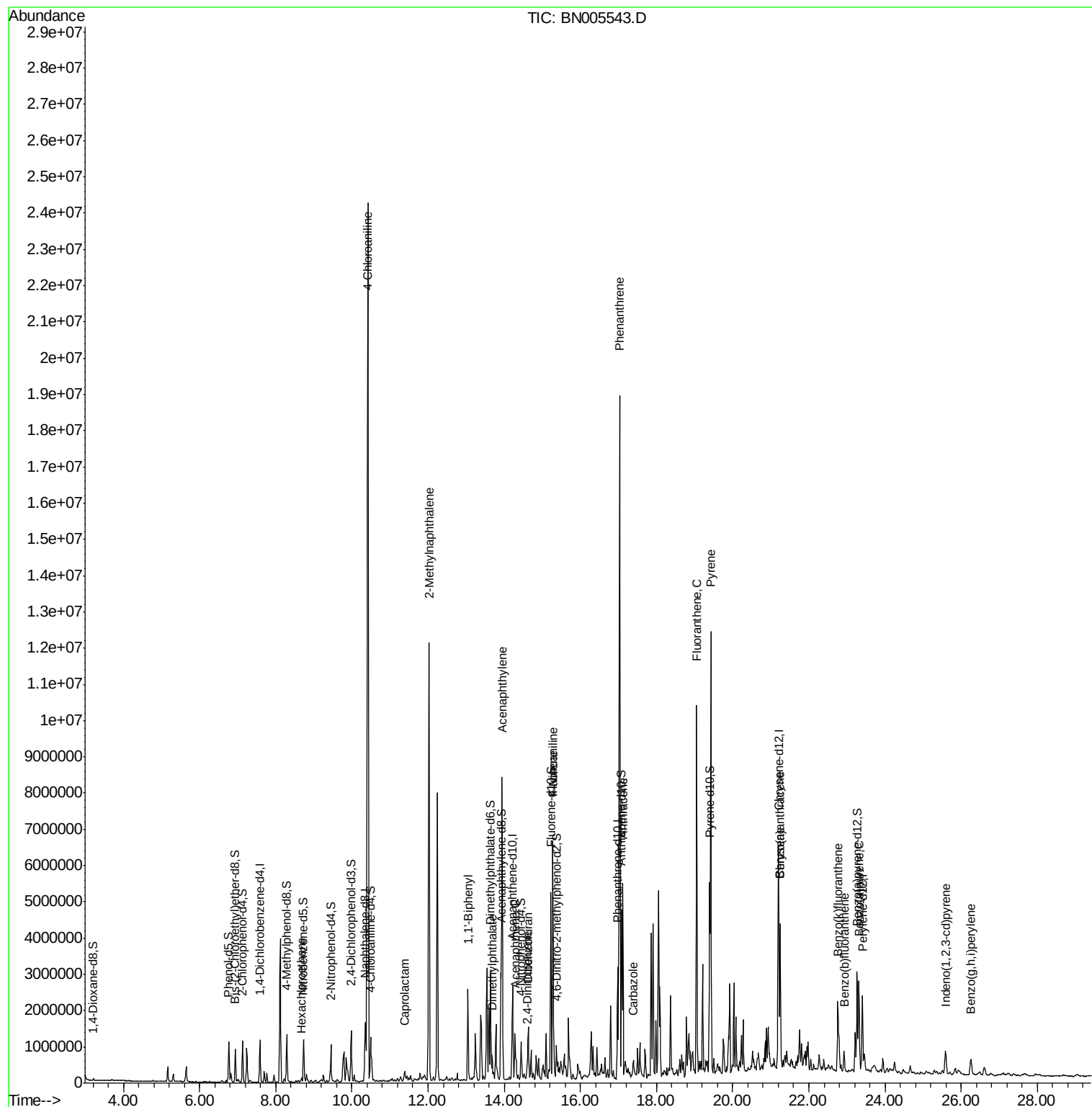
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.26	276	557325	7.409	ng/ul	95

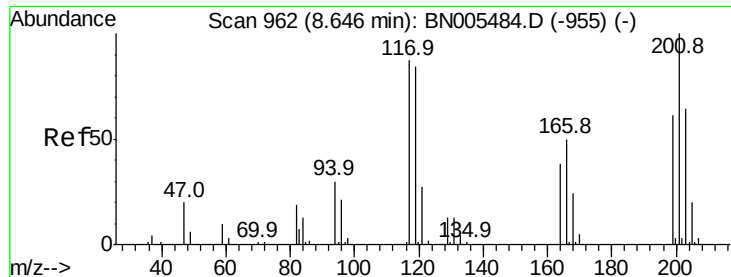
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#17

Hexachloroethane

Concen: 2.412 ng/ul

RT: 8.68 min Scan# 968

Delta R.T. 0.04 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Instrument :

BNA_N

ClientSampleId :

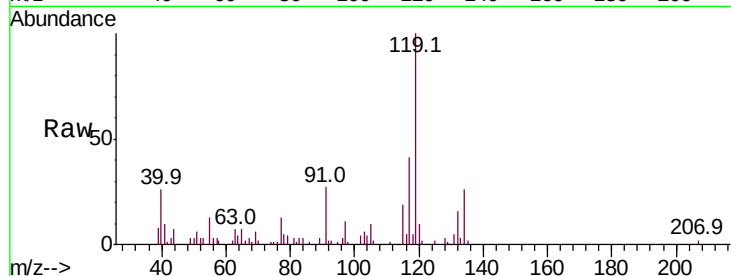
Tot Ion:117 Resp: 20196

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

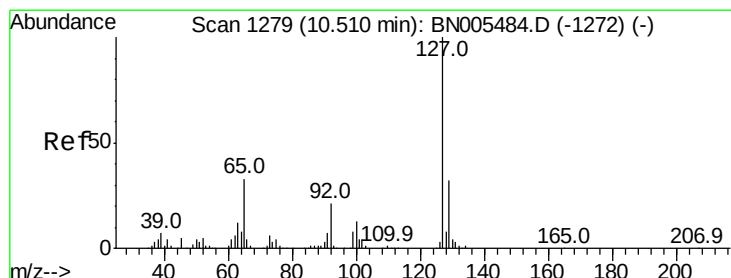
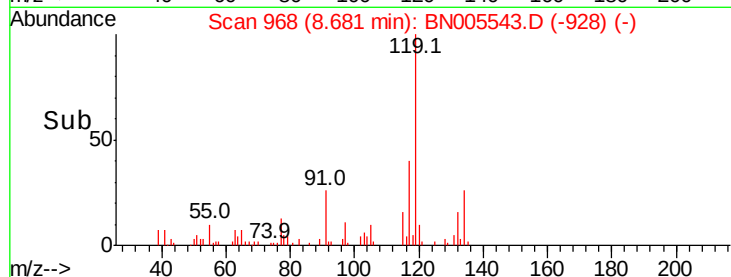
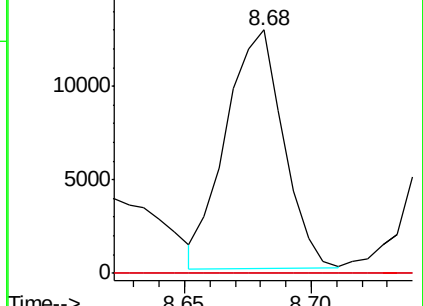
199 0.0 51.2 76.8#



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



#30

4-Chloroaniline

Concen: 170.187 ng/ul

RT: 10.42 min Scan# 1264

Delta R.T. -0.09 min

Lab File: BN005543.D

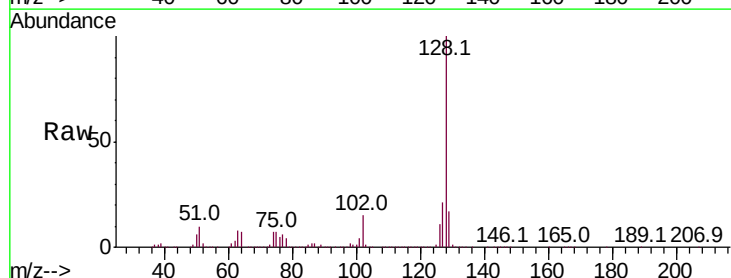
Acq: 08 May 2019 21:43

Tgt Ion:127 Resp: 3440581

Ion Ratio Lower Upper

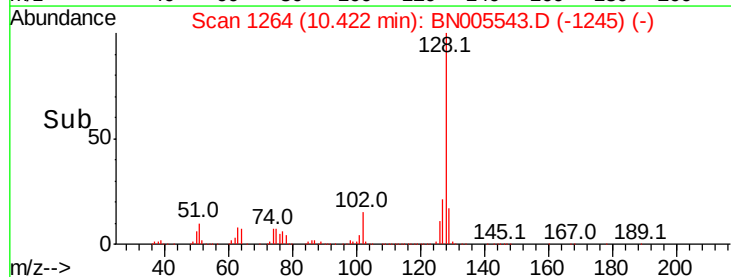
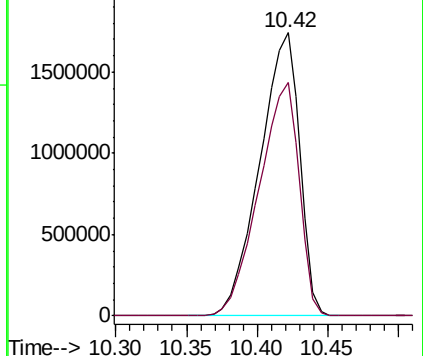
127 100

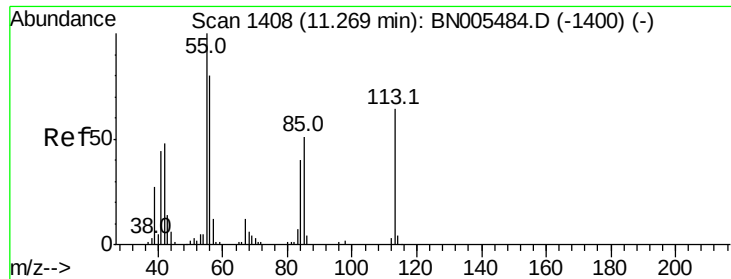
129 82.3 25.8 38.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 1.403 ng/ul

RT: 11.39 min Scan# 1428

Delta R.T. 0.12 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Instrument :

BNA_N

ClientSampleId :

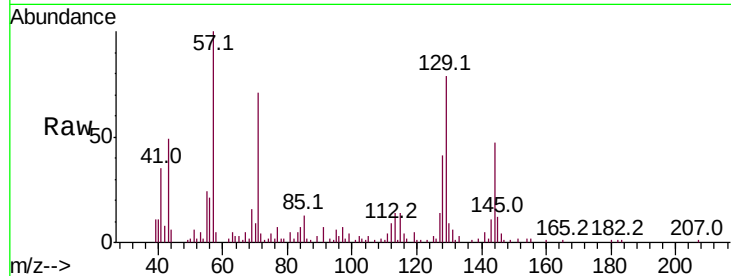
Tot Ion:113 Resp: 8064

Ion Ratio Lower Upper

113 100

55 177.5 157.0 235.4

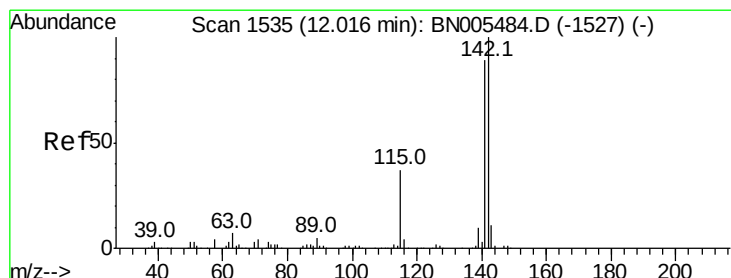
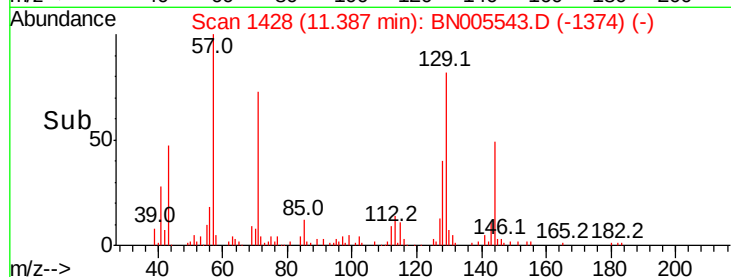
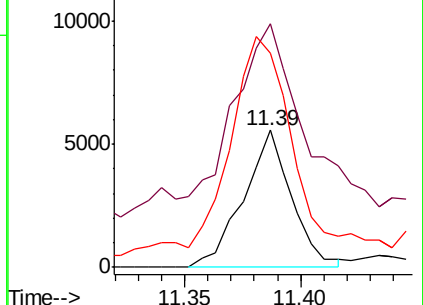
56 155.7 119.1 178.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#34

2-Methylnaphthalene

Concen: 137.004 ng/ul

RT: 12.03 min Scan# 1537

Delta R.T. 0.01 min

Lab File: BN005543.D

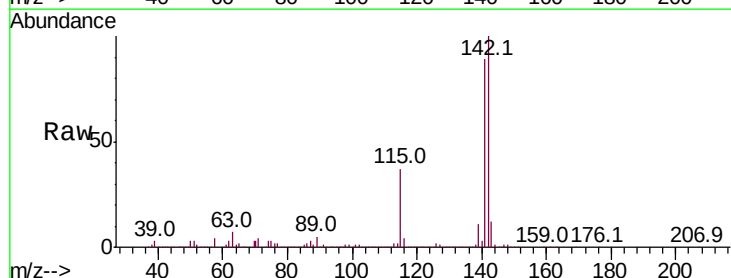
Acq: 08 May 2019 21:43

Tgt Ion:142 Resp: 6275302

Ion Ratio Lower Upper

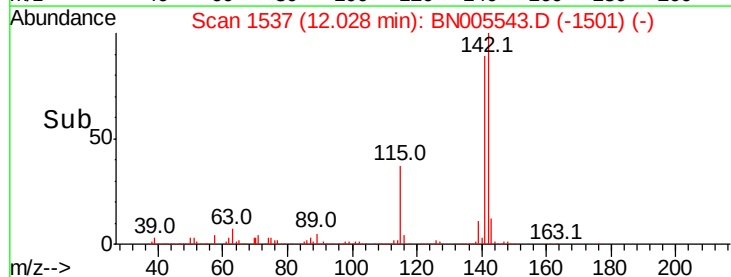
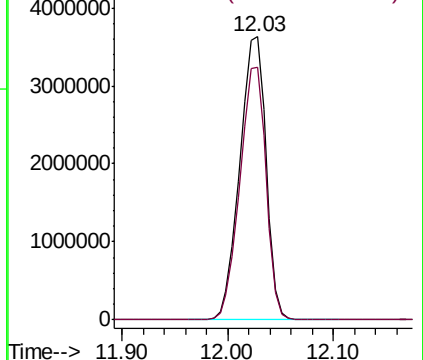
142 100

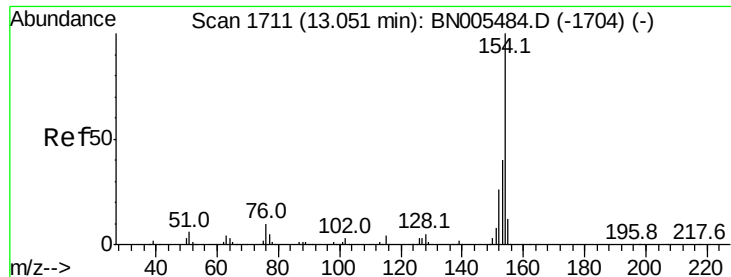
141 89.1 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 21.502 ng/ul

RT: 13.05 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Instrument :

BNA_N

ClientSampleId :

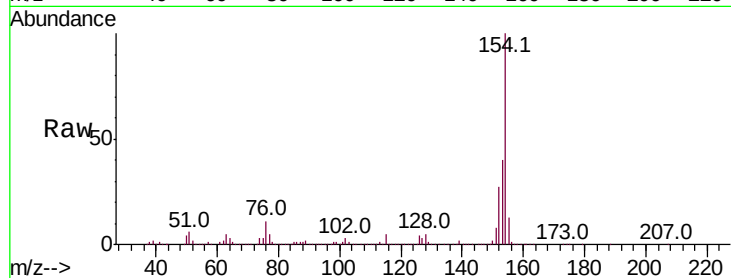
Tot Ion:154 Resp: 1345044

Ion Ratio Lower Upper

154 100

153 40.1 32.6 49.0

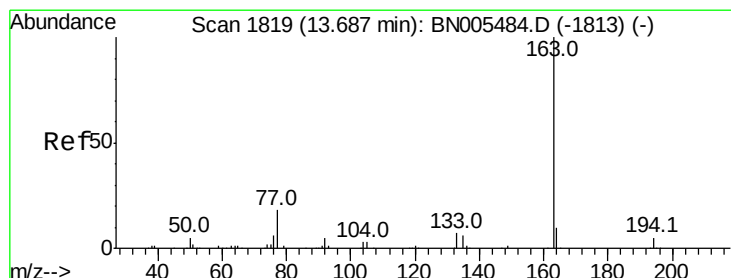
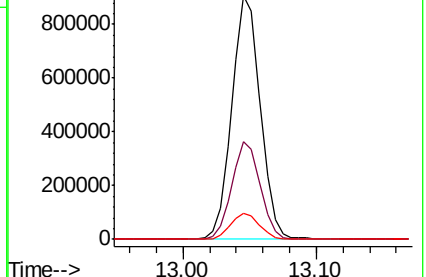
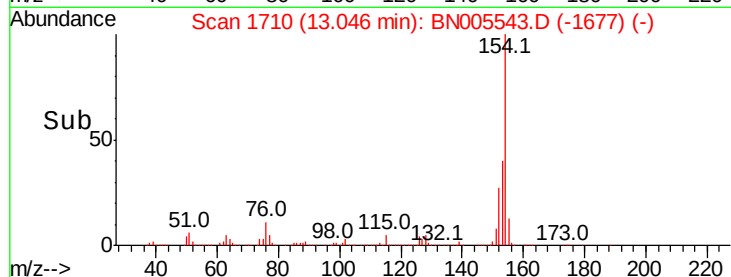
76 10.6 10.4 15.6



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: 4.949 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

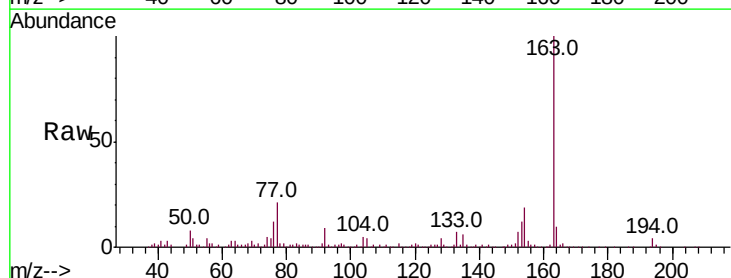
Tgt Ion:163 Resp: 300547

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

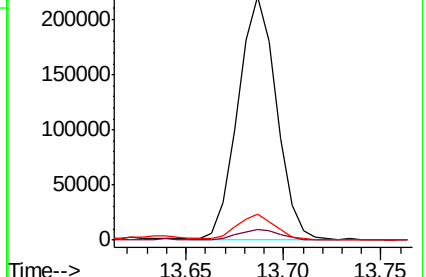
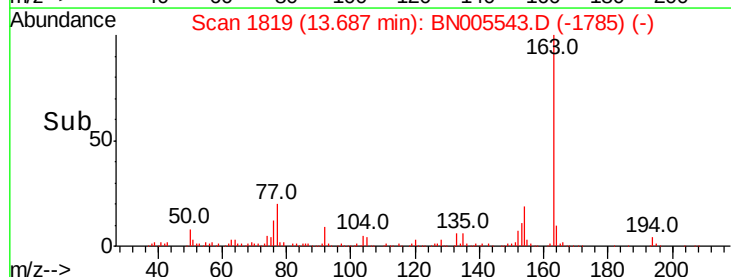
164 10.4 8.1 12.1

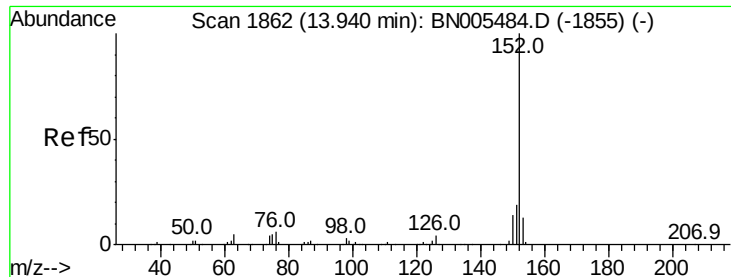


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 72.973 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Instrument :

BNA_N

ClientSampleId :

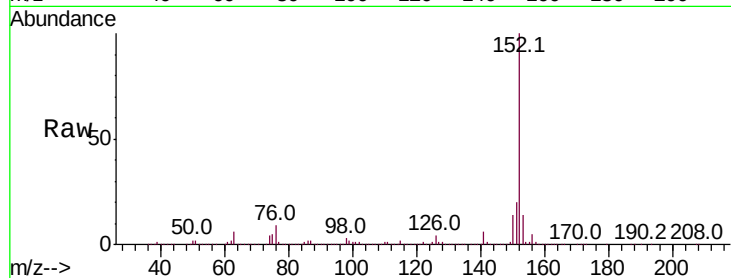
Tot Ion:152 Resp: 5367975

Ion Ratio Lower Upper

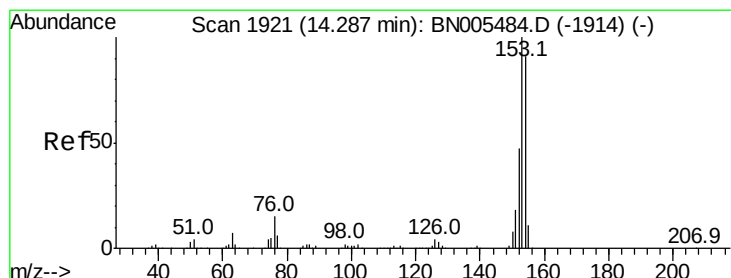
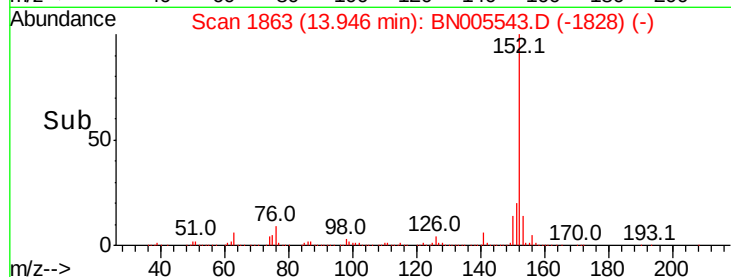
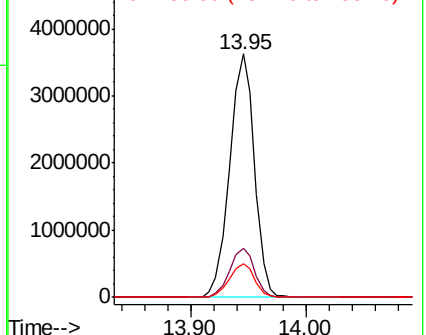
152 100

151 20.0 15.8 23.8

153 14.1 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: 10.399 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

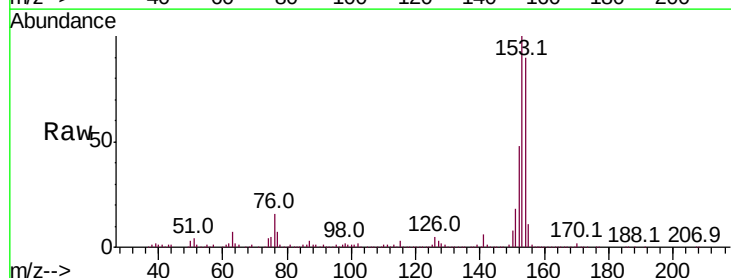
Tgt Ion:153 Resp: 522247

Ion Ratio Lower Upper

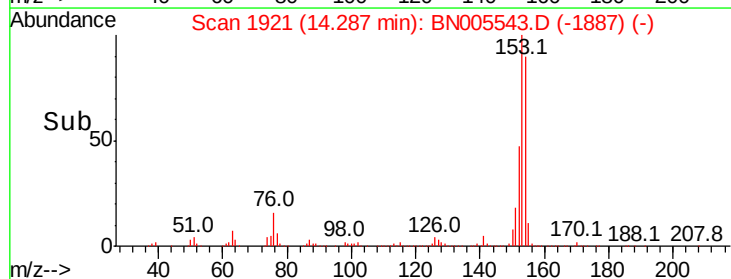
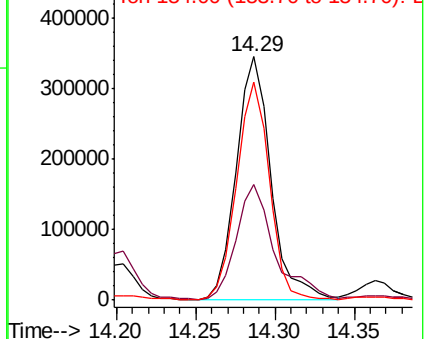
153 100

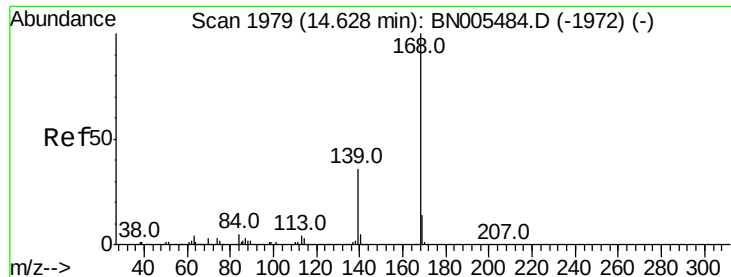
152 47.5 37.4 56.0

154 89.6 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: 8.319 ng/ul

RT: 14.62 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Instrument :

BNA_N

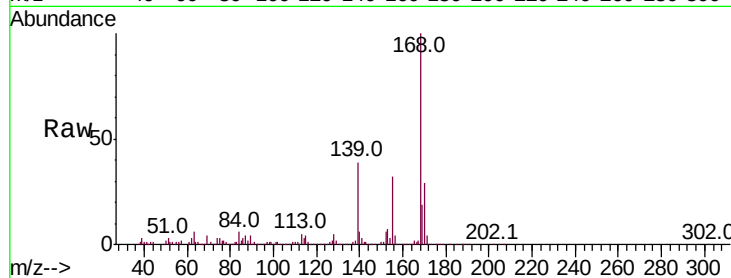
ClientSampleId :

Tot Ion:168 Resp: 601486

Ion Ratio Lower Upper

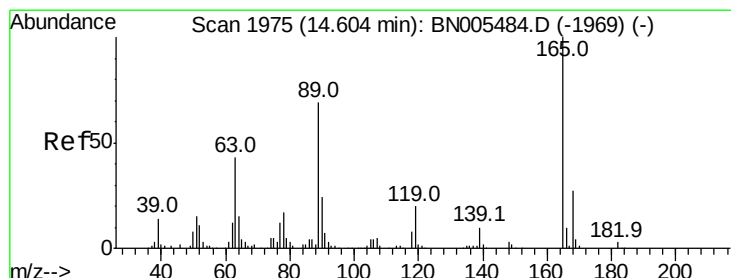
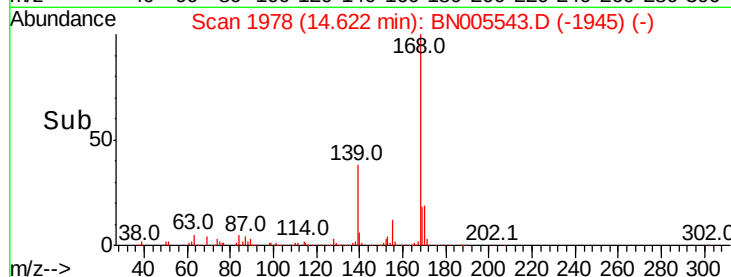
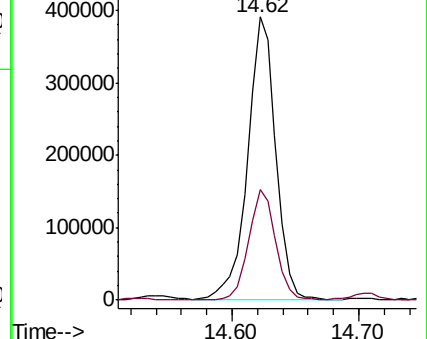
168 100

139 39.0 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 1.256 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

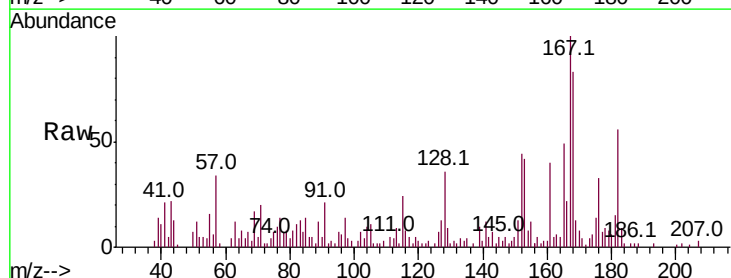
Tgt Ion:165 Resp: 18978

Ion Ratio Lower Upper

165 100

63 25.0 38.9 58.3#

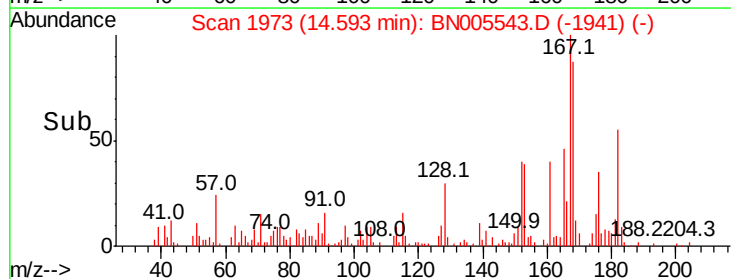
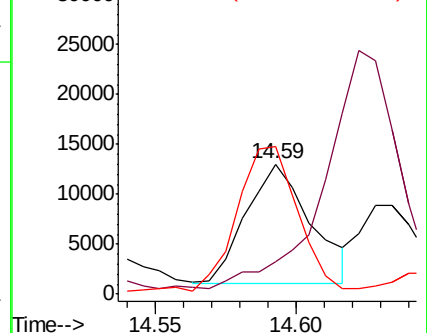
182 113.7 2.6 3.8#

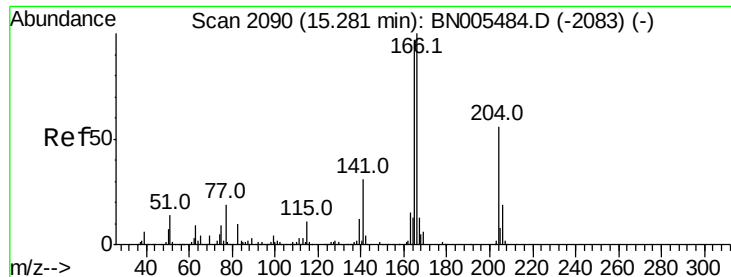


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

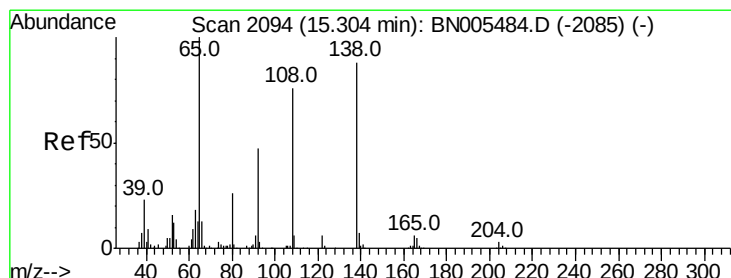
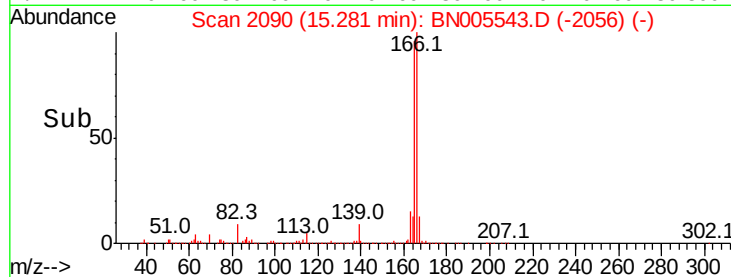
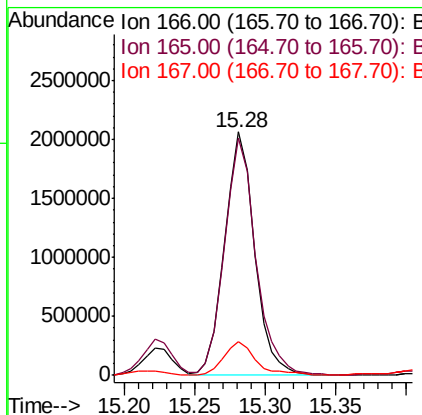
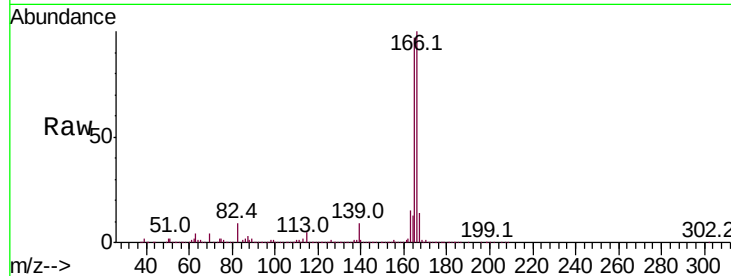




#58
 Fluorene
 Concen: 53.946 ng/ul
 RT: 15.28 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: BN005543.D
 Acq: 08 May 2019 21:43

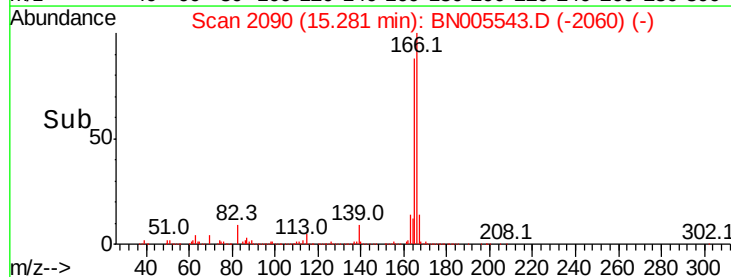
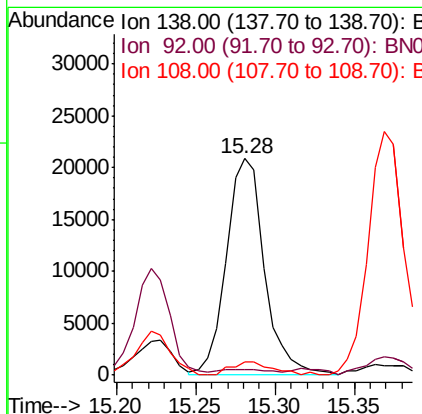
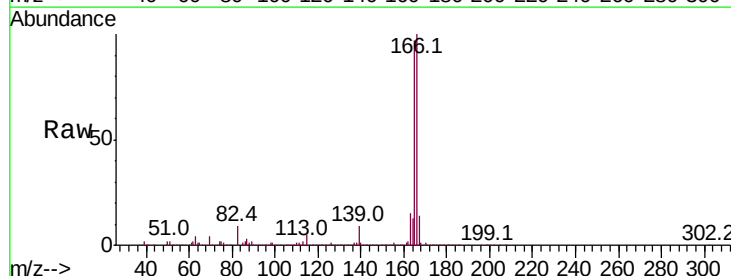
Instrument :
 BNA_N
 ClientSampled :

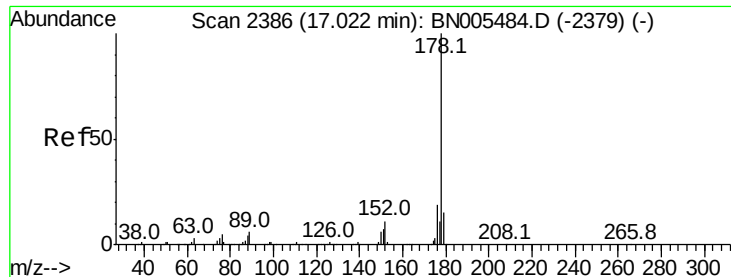
Tot Ion:166 Resp: 3043630
 Ion Ratio Lower Upper
 166 100
 165 97.5 80.0 120.0
 167 13.7 10.7 16.1



#60
 4-Nitroaniline
 Concen: 2.862 ng/ul
 RT: 15.28 min Scan# 2090
 Delta R.T. -0.02 min
 Lab File: BN005543.D
 Acq: 08 May 2019 21:43

Tgt Ion:138 Resp: 34784
 Ion Ratio Lower Upper
 138 100
 92 2.7 45.3 67.9#
 108 6.3 73.2 109.8#





#69

Phenanthrene

Concen: 134.470 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Instrument :

BNA_N

ClientSampled :

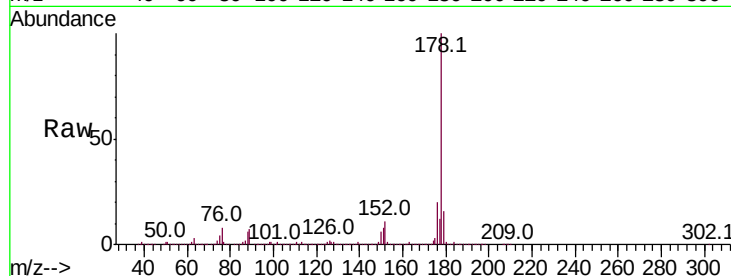
Tot Ion:178 Resp:13009422

Ion Ratio Lower Upper

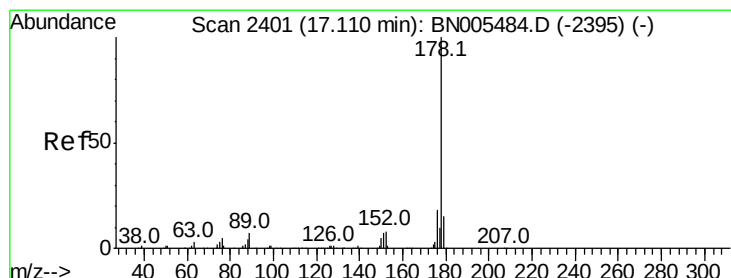
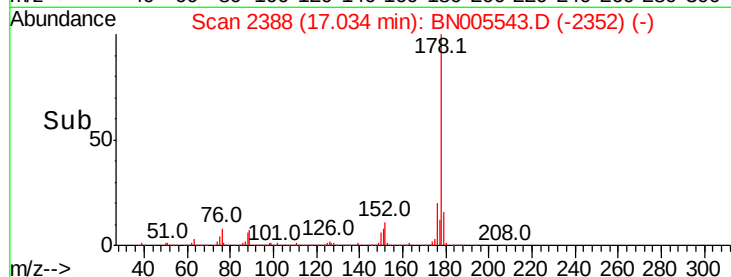
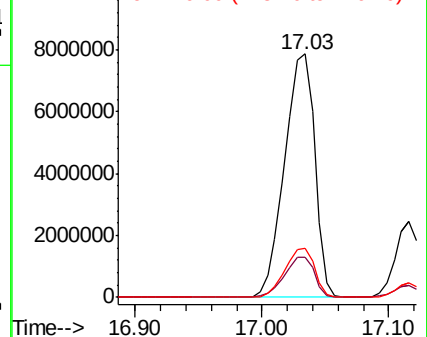
178 100

179 16.4 12.2 18.4

176 20.2 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 33.827 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

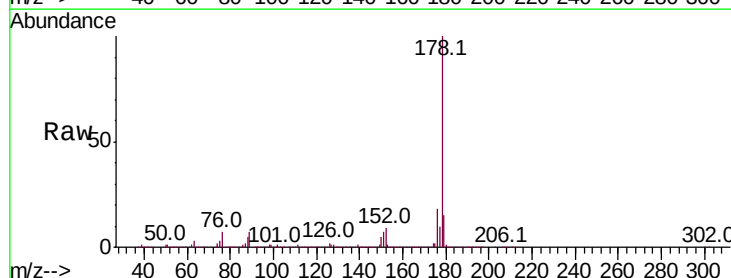
Tgt Ion:178 Resp: 3333803

Ion Ratio Lower Upper

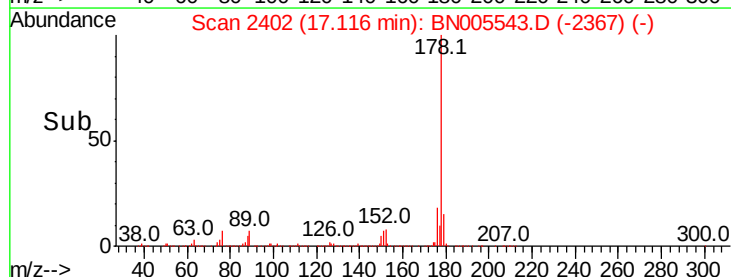
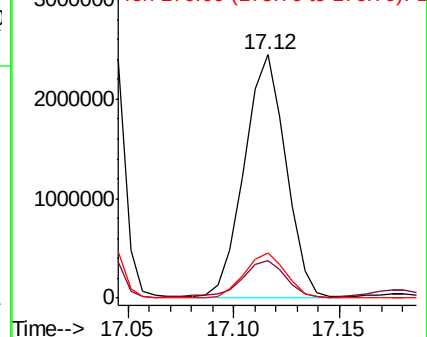
178 100

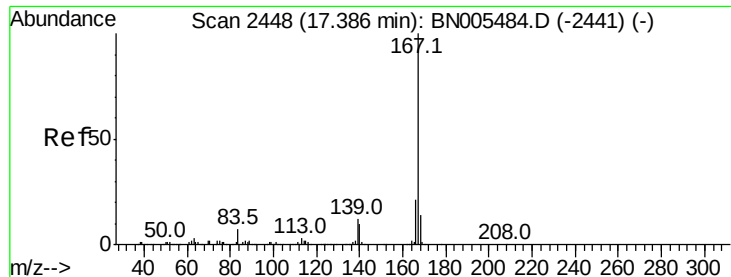
179 15.3 12.3 18.5

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





#74

Carbazole

Concen: 2.588 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Instrument :

BNA_N

ClientSampleId :

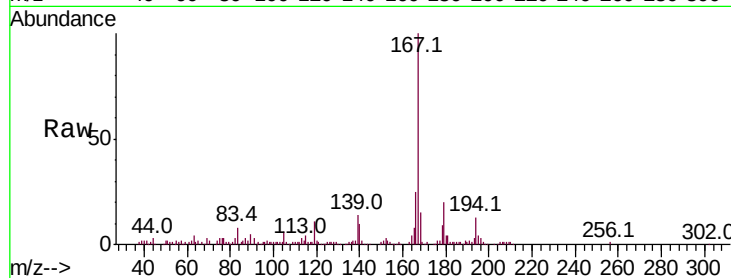
Tot Ion:167 Resp: 219116

Ion Ratio Lower Upper

167 100

166 24.5 17.2 25.8

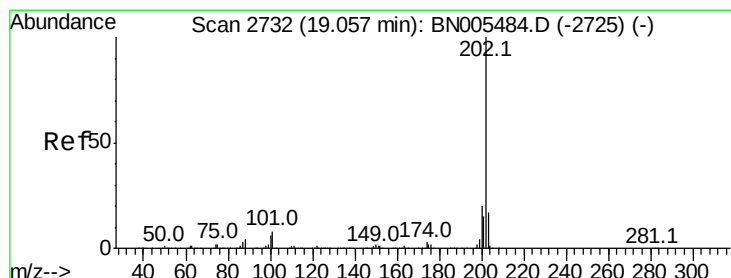
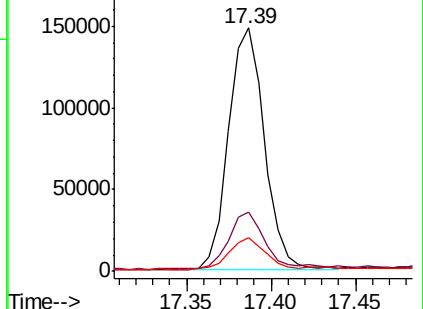
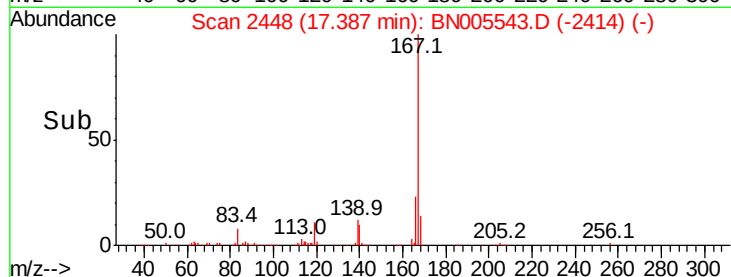
139 13.8 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 56.030 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

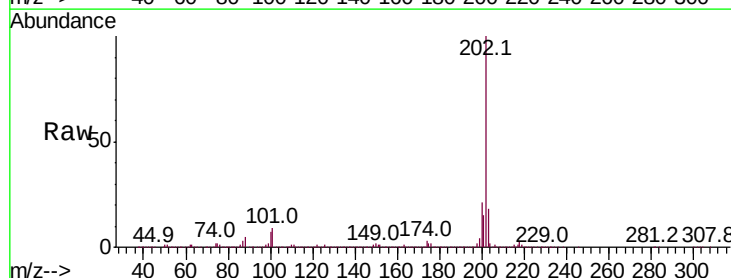
Tgt Ion:202 Resp: 6012512

Ion Ratio Lower Upper

202 100

101 9.4 8.6 12.8

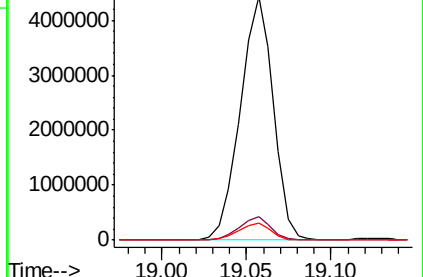
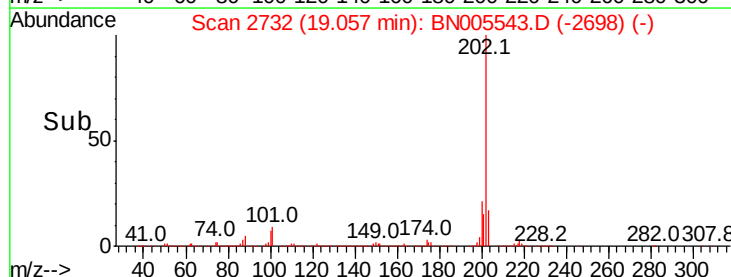
100 6.9 6.3 9.5

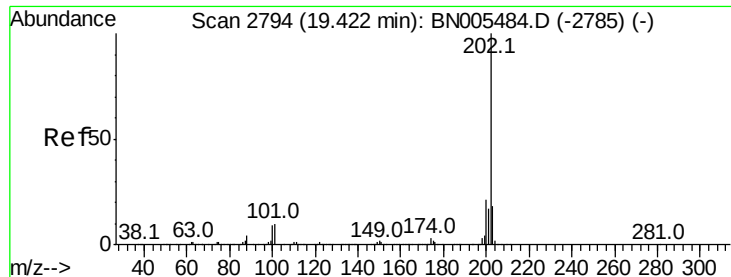


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

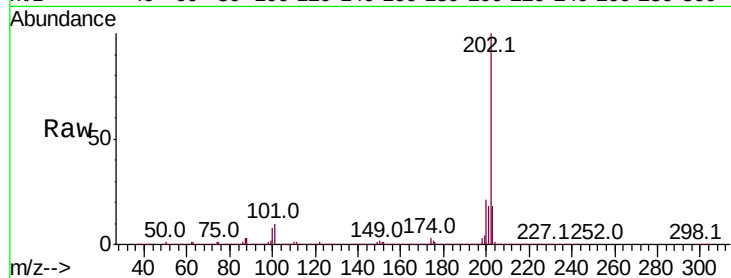




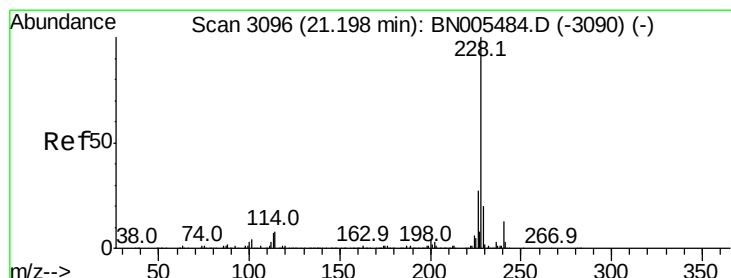
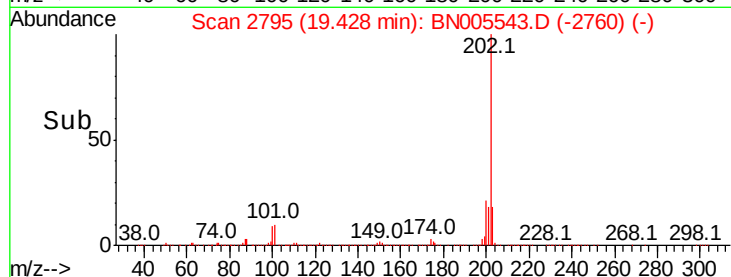
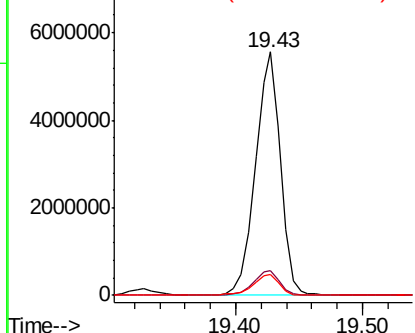
#79
Pvrene
Concen: 71.637 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.01 min
Lab File: BN005543.D
Acq: 08 May 2019 21:43

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 7617281
Ion Ratio Lower Upper
202 100
101 10.2 10.3 15.5#
100 8.5 7.9 11.9

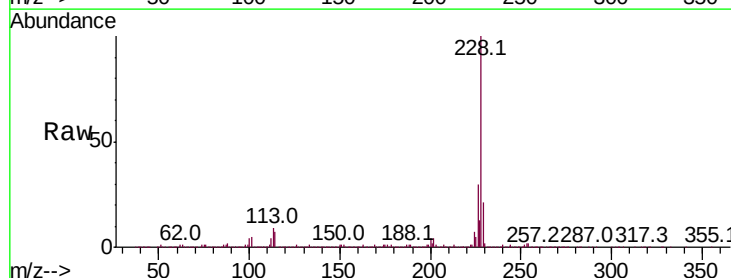


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

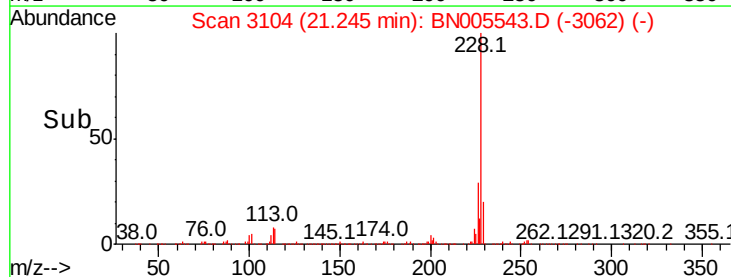
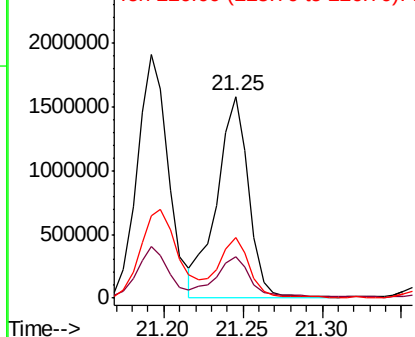


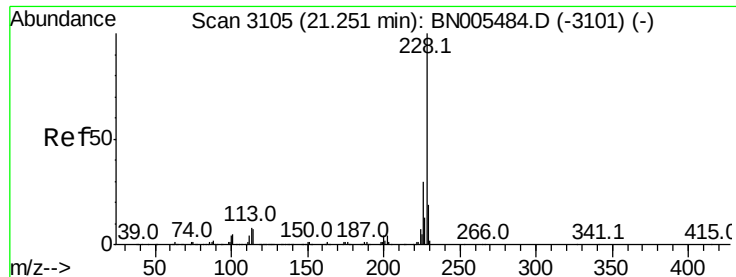
#82
Benzo(a)anthracene
Concen: 21.171 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. 0.05 min
Lab File: BN005543.D
Acq: 08 May 2019 21:43

Tgt Ion:228 Resp: 2175032
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.6
226 30.0 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: 22.977 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

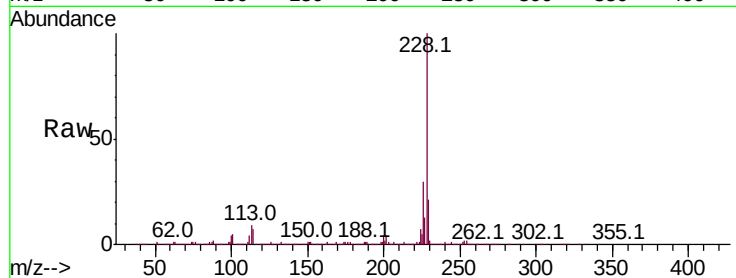
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 2190861

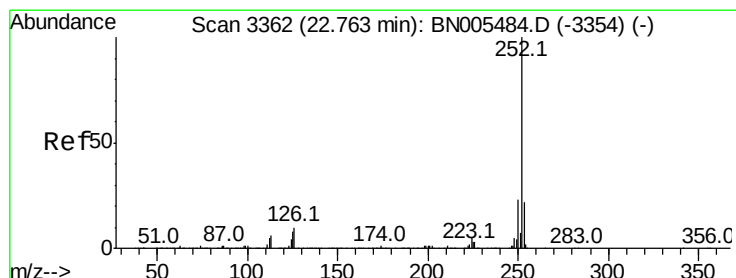
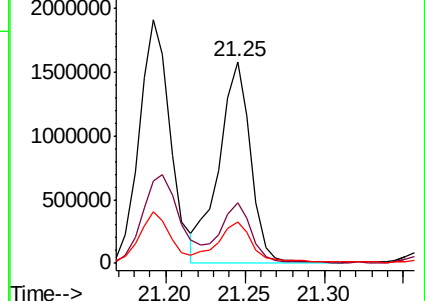
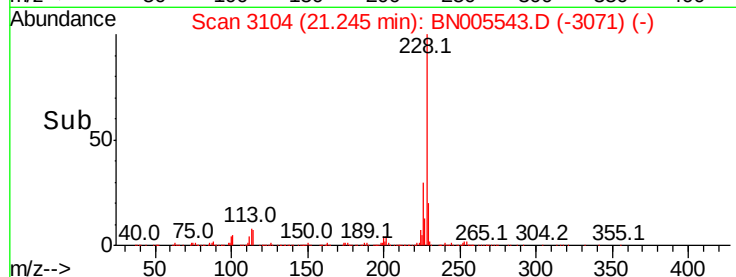
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	20.6	15.4	23.0



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: 3.421 ng/ul

RT: 22.92 min Scan# 3389

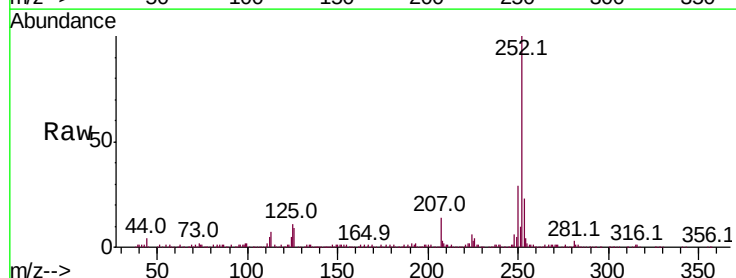
Delta R.T. 0.16 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Tgt Ion:252 Resp: 299498

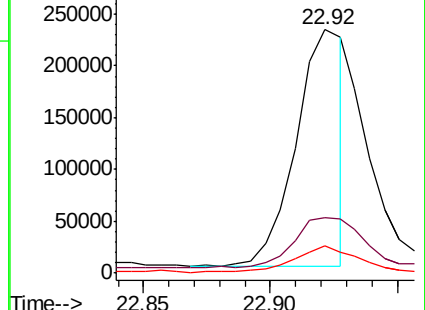
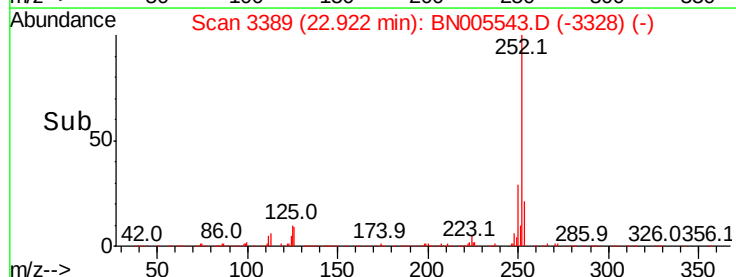
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.1	8.4	12.6

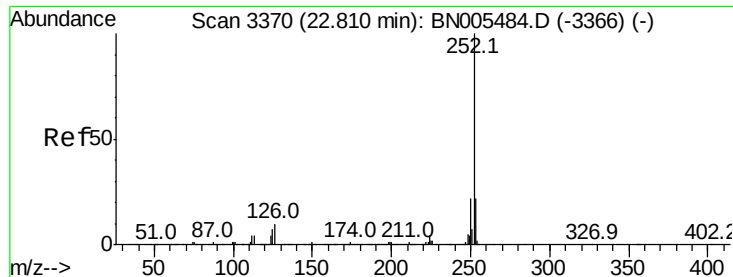


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 24.230 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.05 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Instrument :

BNA_N

ClientSampleId :

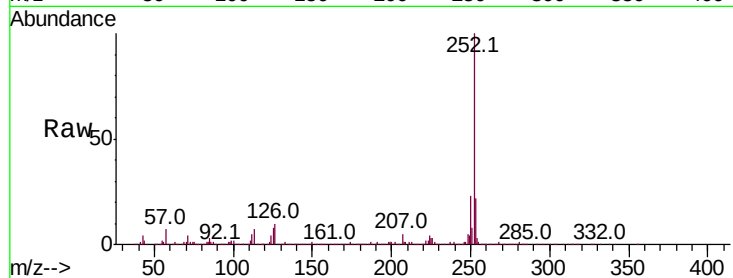
Tot Ion:252 Resp: 2025773

Ion Ratio Lower Upper

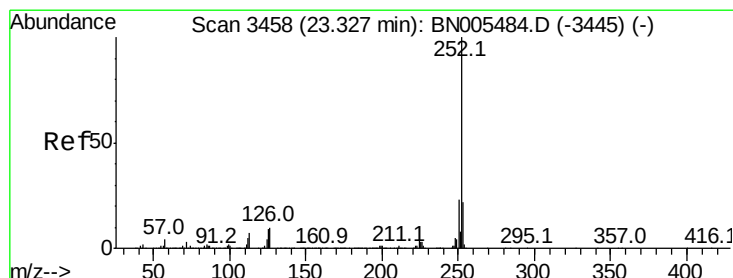
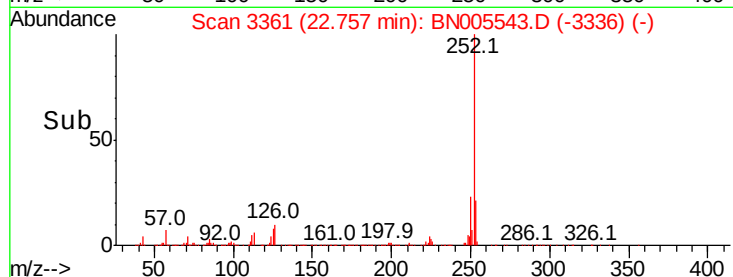
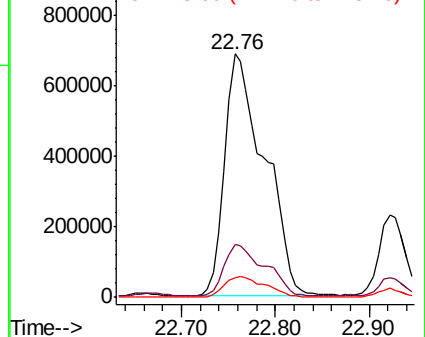
252 100

253 21.7 17.4 26.0

125 8.2 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: 19.316 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. -0.01 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

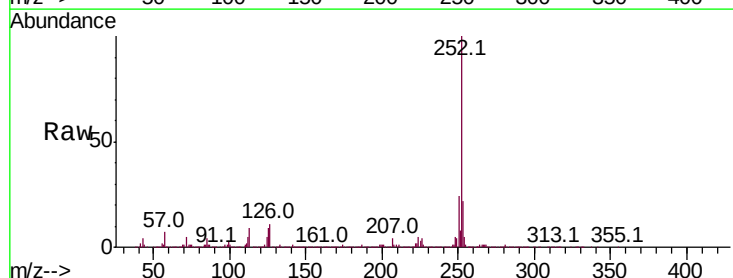
Tgt Ion:252 Resp: 1589391

Ion Ratio Lower Upper

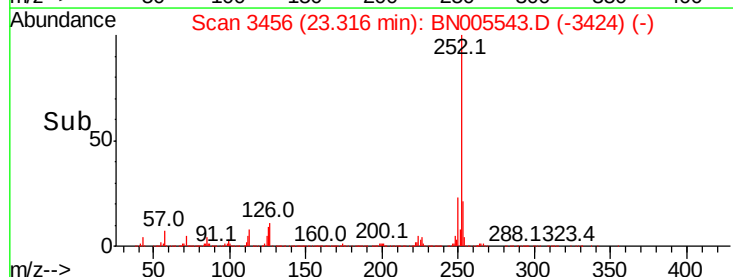
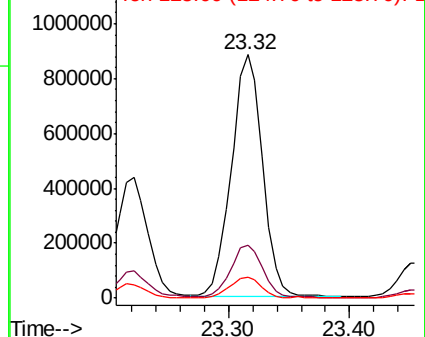
252 100

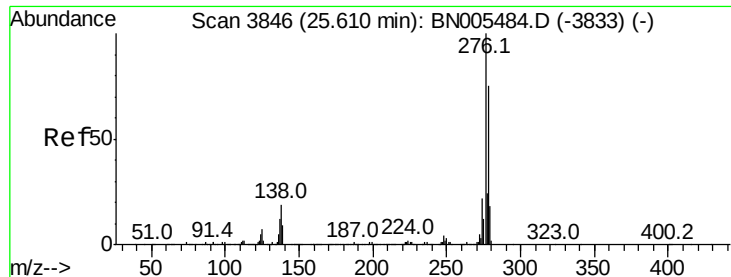
253 22.0 17.3 25.9

125 8.7 8.6 13.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 6.808 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.02 min

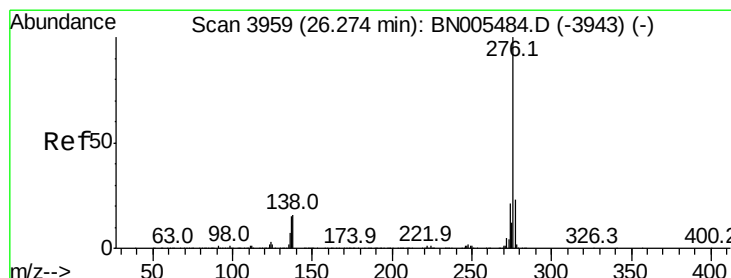
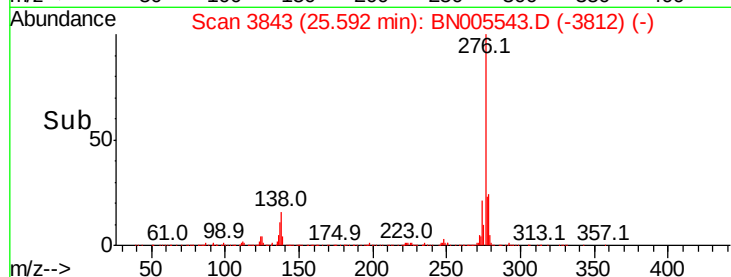
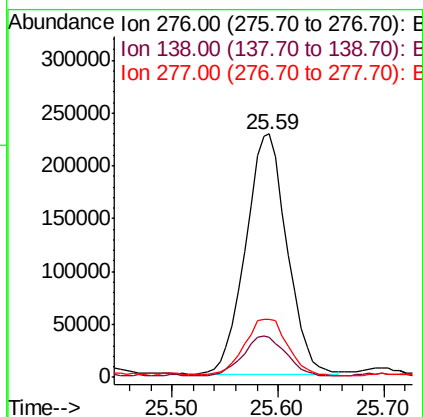
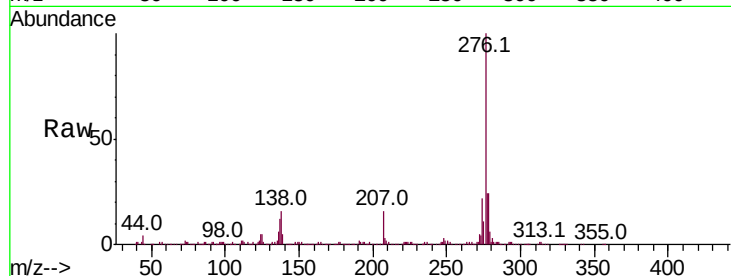
Lab File: BN005543.D

Acq: 08 May 2019 21:43

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 619303

Ion	Ratio	Lower	Upper
276	100		
138	16.3	17.9	26.9#
277	24.0	19.7	29.5



#93

Benzo(g,h,i)perylene

Concen: 7.409 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.02 min

Lab File: BN005543.D

Acq: 08 May 2019 21:43

Tgt Ion:276 Resp: 557325

Ion	Ratio	Lower	Upper
276	100		
138	17.1	16.7	25.1
277	23.9	18.2	27.2

