

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009506.D
 Acq On : 31 Jan 2020 12:05
 Operator : CG/JU
 Sample : L1271-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 31 22:18:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	182420	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.22	136	776241	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.09	164	567943	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.85	188	1009929	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	912892	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	961769	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	21074	4.78	ng/uL	0.00
5) Phenol-d5	6.65	99	162701	10.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	136627	11.90	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	135438	11.47	ng/ul	-0.01
13) 4-Methylphenol-d8	8.16	113	96590	7.50	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	75759	13.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	81678	13.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	138497	11.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	176091	12.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.52	166	523290	12.45	ng/ul	0.00
46) Acenaphthylene-d8	13.78	160	591585	11.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	69675	8.91	ng/ul	0.00
57) Fluorene-d10	15.09	176	466909	12.66	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	64612	10.56	ng/ul	0.01
70) Anthracene-d10	16.95	188	646670	13.84	ng/ul	0.00
78) Pyrene-d10	19.25	212	694623	14.14	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	667536	13.75	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.62	77	58459	6.885	ng/ul#	1
6) Phenol	6.68	94	57904	3.417	ng/ul	96
14) Acetophenone	8.25	105	74975	3.604	ng/ul#	35
17) Hexachloroethane	8.50	117	29378	5.161	ng/ul#	9
30) 4-Chloroaniline	10.31	127	9138920	639.587	ng/ul#	4
40) 1,1'-Biphenyl	12.92	154	3436765	79.915	ng/ul	100
44) Dimethylphthalate	13.56	163	120650	2.788	ng/ul#	98
47) Acenaphthylene	13.81	152	539809	10.026	ng/ul#	70
49) Acenaphthene	14.16	153	681409	18.551	ng/ul	98
53) Dibenzofuran	14.50	168	1402876	27.489	ng/ul	98
54) 2,4-Dinitrotoluene	14.46	165	63571	5.176	ng/ul#	34
58) Fluorene	15.15	166	2446707	57.215	ng/ul#	98
64) N-Nitrosodiphenylamine	15.37	169	111343	3.723	ng/ul#	77
69) Phenanthrene	16.98	178	1388550	24.367	ng/ul	97
71) Anthracene	16.98	178	1388550	23.932	ng/ul	98
76) Fluoranthene	18.92	202	3924221	60.073	ng/ul	99
79) Pyrene	19.28	202	6069477	91.823	ng/ul	98
82) Benzo(a)anthracene	21.04	228	1964075	31.594	ng/ul	97
84) Chrysene	21.09	228	1730644	28.578	ng/ul	97
87) Benzo(b)fluoranthene	22.55	252	867297	14.262	ng/ul	96
88) Benzo(k)fluoranthene	22.55	252	867297	14.505	ng/ul	96
90) Benzo(a)pyrene	23.07	252	641139	11.746	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.23	276	285296	4.313	ng/ul	96

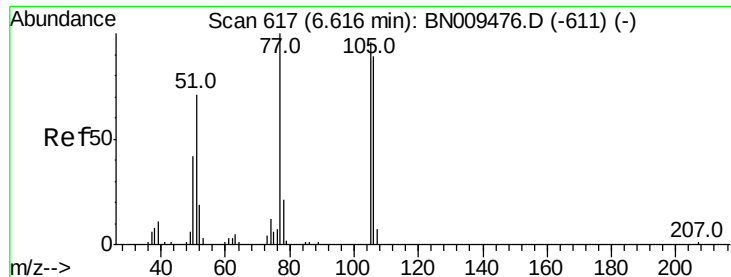
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN013020\
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	25.23	278	119088	2.134	ng/ul	92
93) Benzo(g,h,i)perylene	25.86	276	198476	3.607	ng/ul	96

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



#4

Benzaldehyde

Concen: 6.885 ng/ul

RT: 6.62 min Scan# 618

Delta R.T. -0.00 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampled :

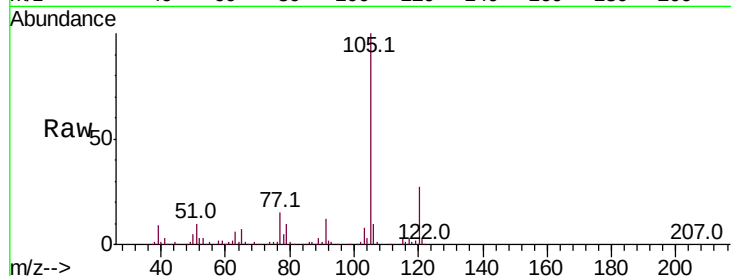
Tot Ion: 77 Resp: 58459

Ion Ratio Lower Upper

77 100

105 673.1 70.2 105.4#

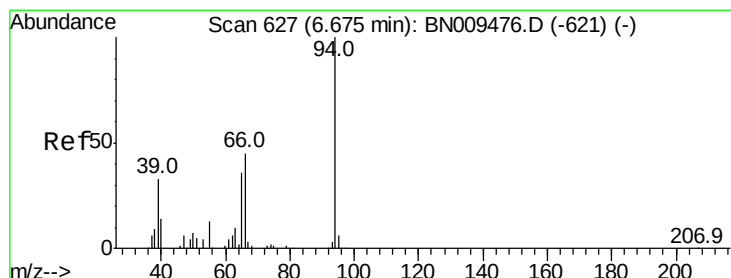
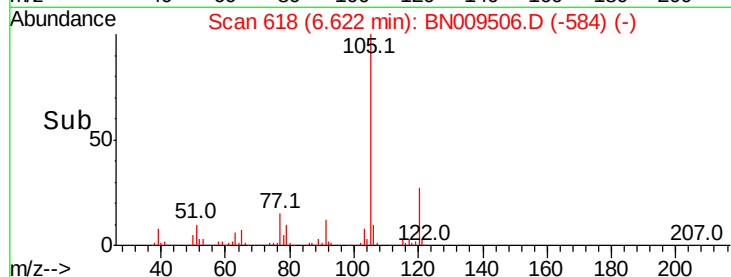
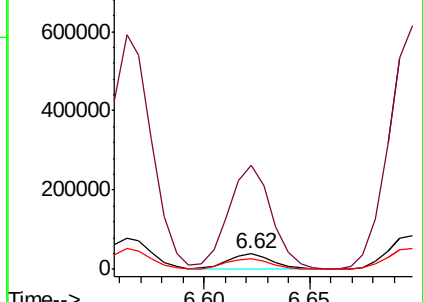
106 66.3 65.6 98.4



Abundance Ion 77.00 (76.70 to 77.70): BN009476.D (-611) (-)

Ion 105.00 (104.70 to 105.70): BN009476.D (-611) (-)

Ion 106.00 (105.70 to 106.70): BN009476.D (-611) (-)



#6

Phenol

Concen: 3.417 ng/ul

RT: 6.68 min Scan# 627

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

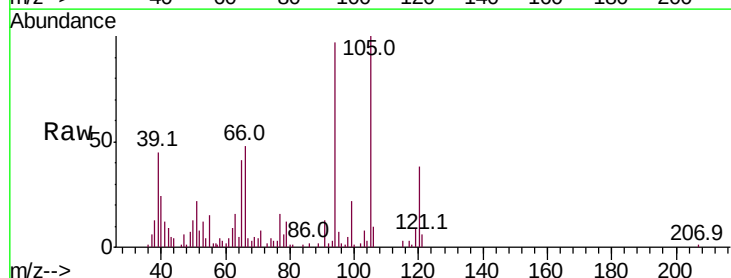
Tgt Ion: 94 Resp: 57904

Ion Ratio Lower Upper

94 100

65 41.9 29.4 44.0

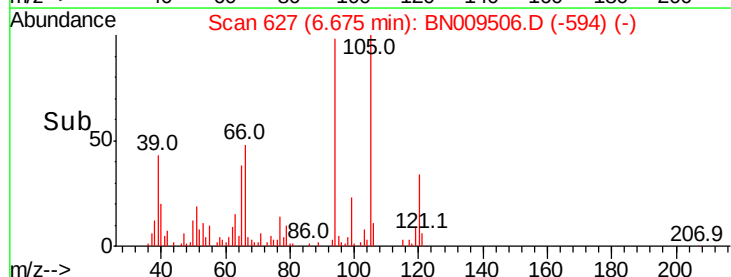
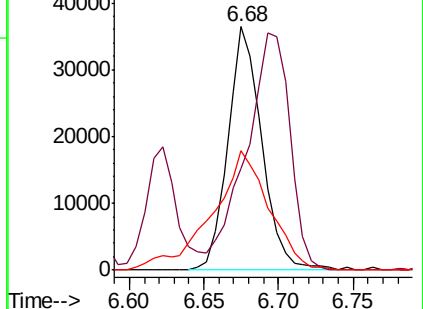
66 49.2 39.8 59.8

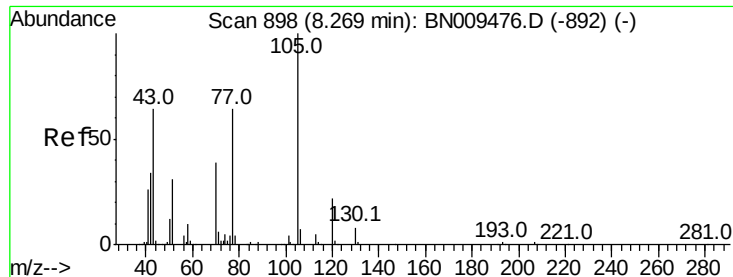


Abundance Ion 94.00 (93.70 to 94.70): BN009476.D (-621) (-)

Ion 65.00 (64.70 to 65.70): BN009476.D (-621) (-)

Ion 66.00 (65.70 to 66.70): BN009476.D (-621) (-)





#14

Acetophenone

Concen: 3.604 ng/ul

RT: 8.25 min Scan# 895

Delta R.T. -0.02 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampled :

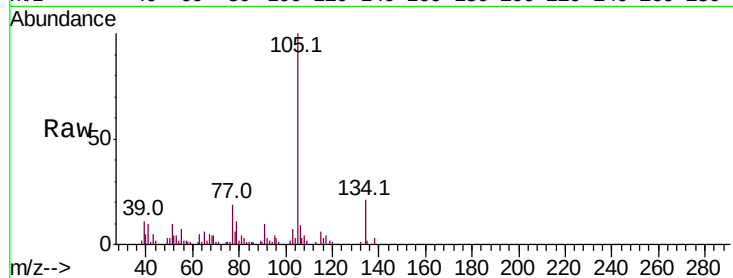
Tot Ion:105 Resp: 74975

Ion Ratio Lower Upper

105 100

77 18.5 66.4 99.6#

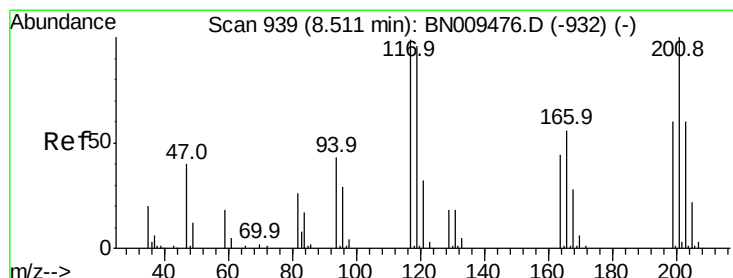
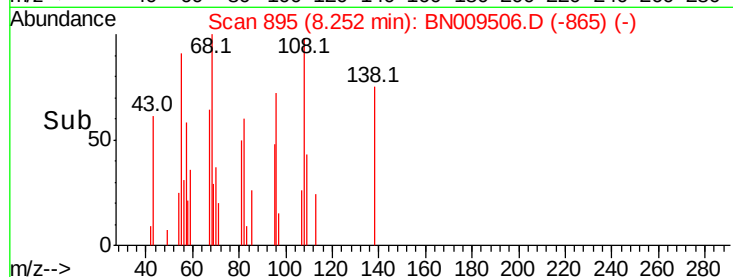
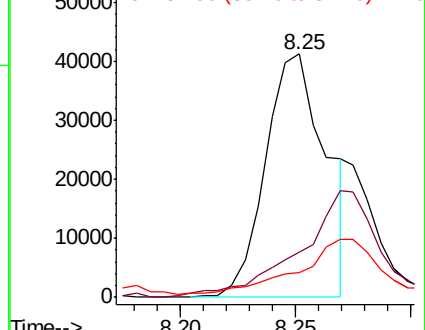
51 10.3 35.6 53.4#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#17

Hexachloroethane

Concen: 5.161 ng/ul

RT: 8.50 min Scan# 938

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

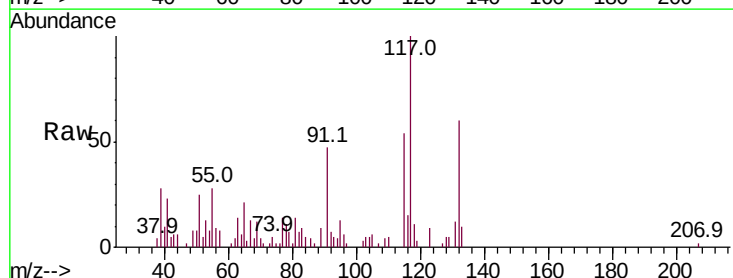
Tgt Ion:117 Resp: 29378

Ion Ratio Lower Upper

117 100

201 0.0 76.5 114.7#

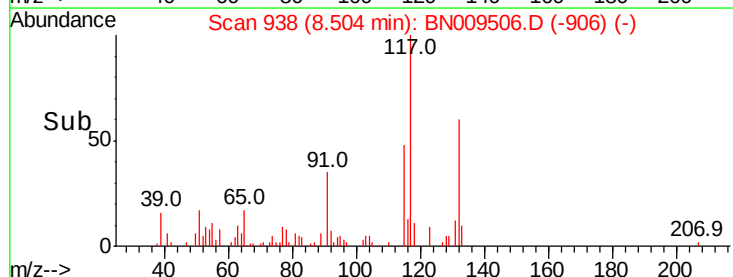
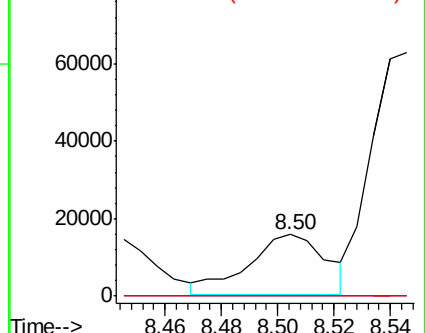
199 0.0 46.6 69.8#

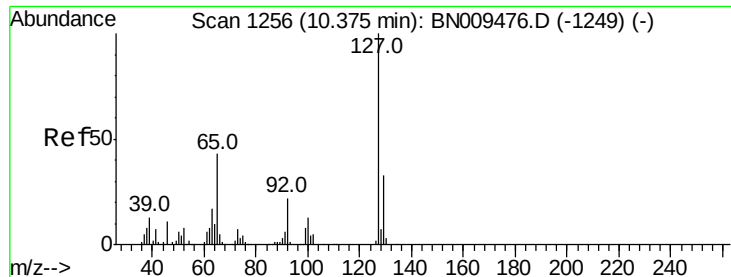


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

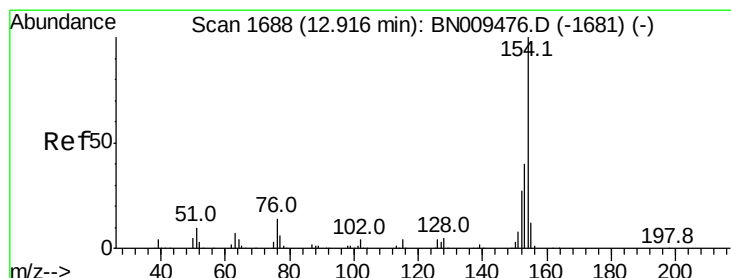
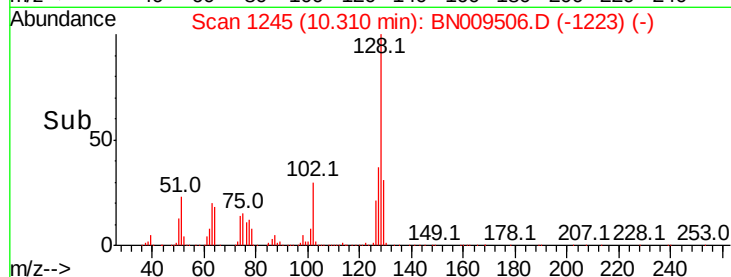
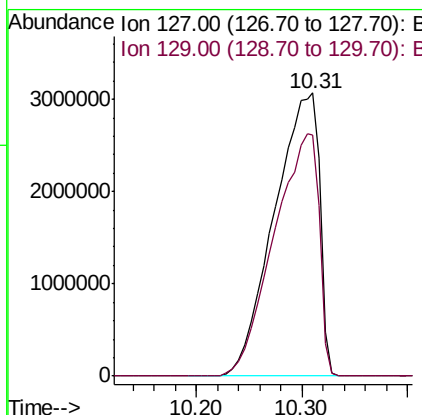
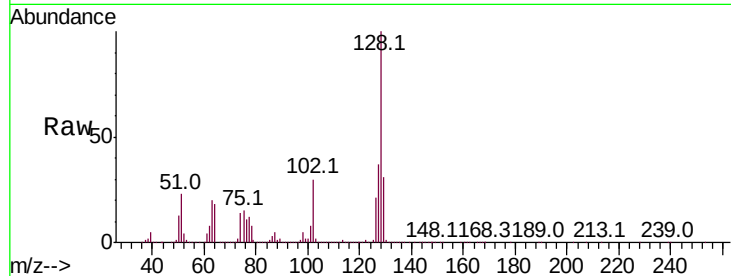




#30
 4-Chloroaniline
 Concen: 639.587 ng/ul
 RT: 10.31 min Scan# 1245
 Delta R.T. -0.07 min
 Lab File: BN009506.D
 Acq: 31 Jan 2020 12:05

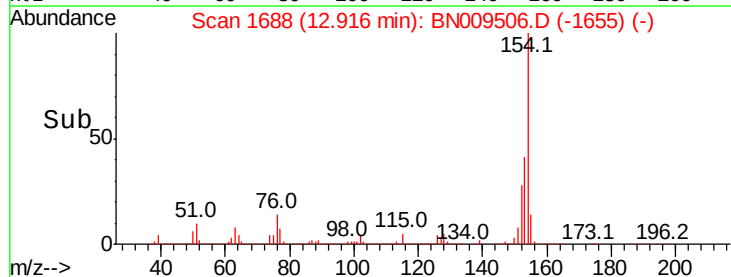
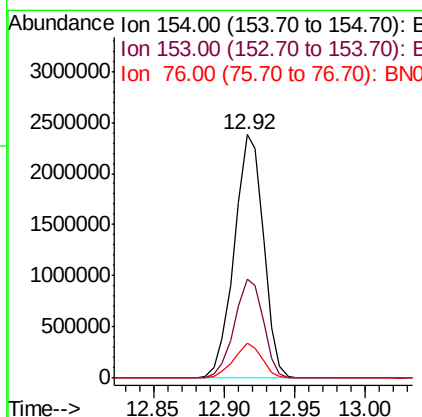
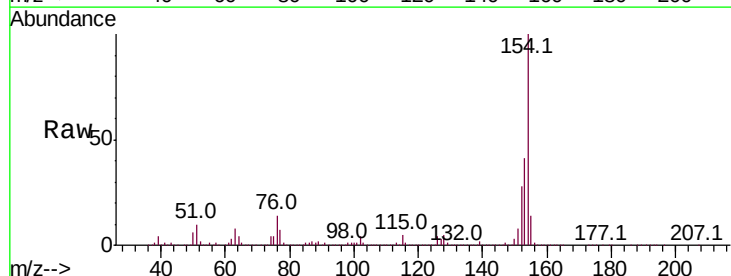
Instrument :
 BNA_N
 ClientSampleId :

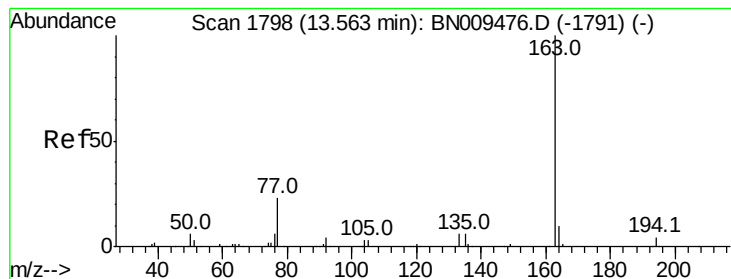
Tot Ion:127 Resp: 9138920
 Ion Ratio Lower Upper
 127 100
 129 85.3 25.4 38.2#



#40
 1,1'-Biphenyl
 Concen: 79.915 ng/ul
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.01 min
 Lab File: BN009506.D
 Acq: 31 Jan 2020 12:05

Tgt Ion:154 Resp: 3436765
 Ion Ratio Lower Upper
 154 100
 153 40.7 32.6 49.0
 76 14.2 11.4 17.0





#44

Dimethylphthalate

Concen: 2.788 ng/ul

RT: 13.56 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

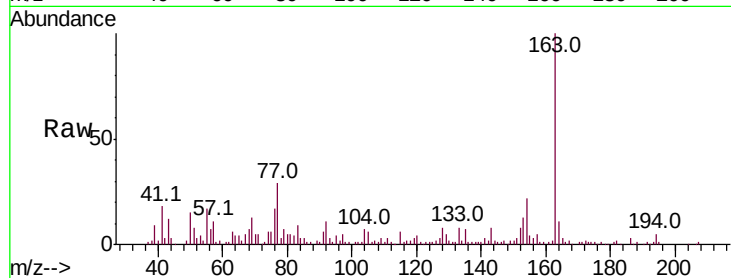
Tot Ion:163 Resp: 120650

Ion Ratio Lower Upper

163 100

194 4.7 3.1 4.7#

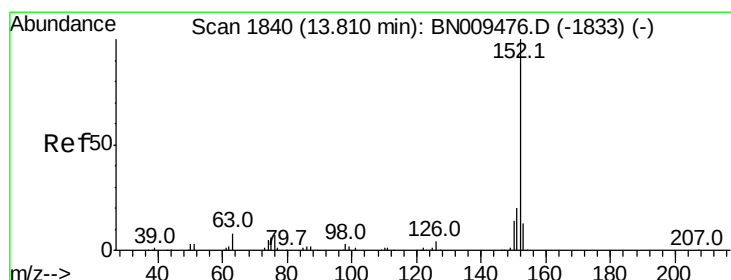
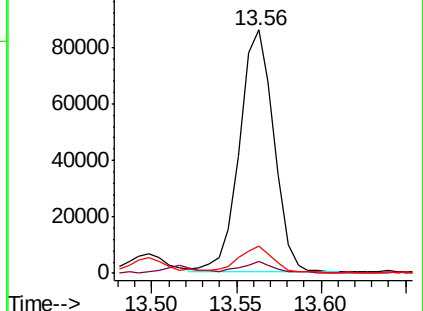
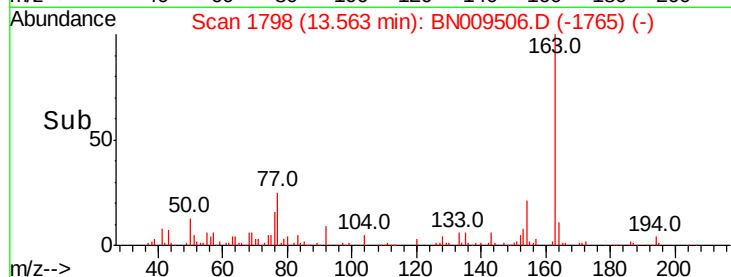
164 11.3 8.3 12.5



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: 10.026 ng/ul

RT: 13.81 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

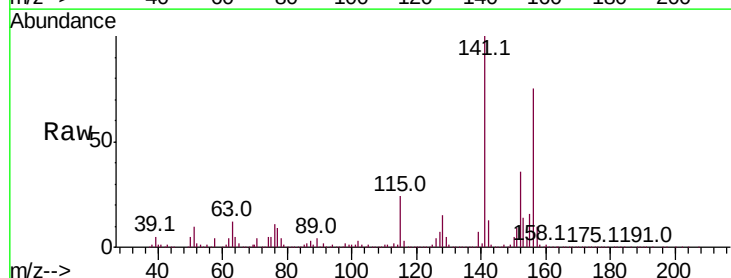
Tgt Ion:152 Resp: 539809

Ion Ratio Lower Upper

152 100

151 23.7 16.2 24.4

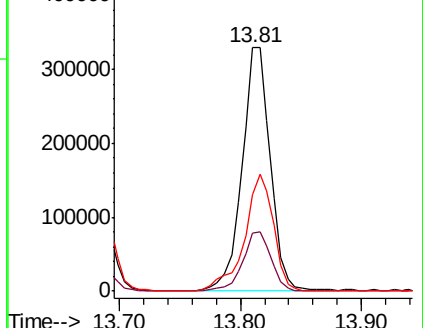
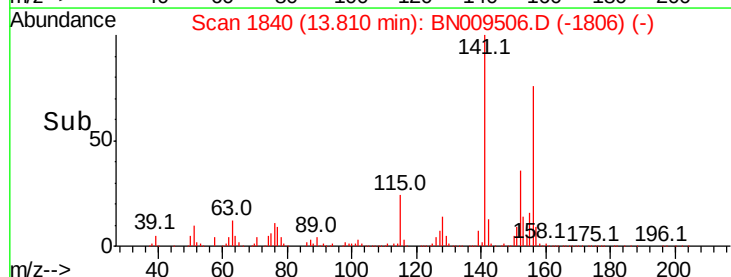
153 39.6 10.8 16.2#

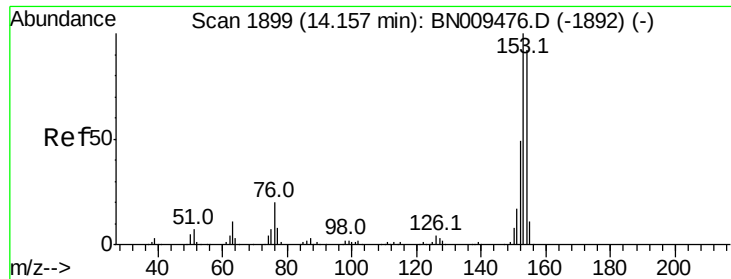


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 18.551 ng/ul

RT: 14.16 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

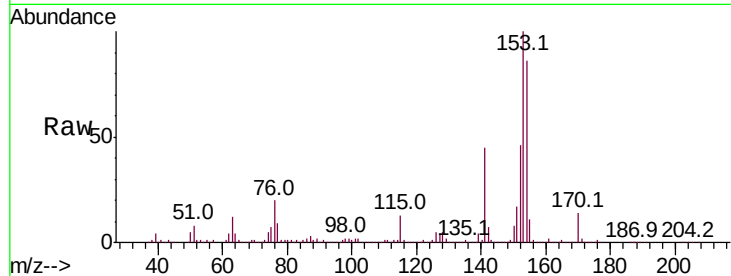
Tot Ion:153 Resp: 681409

Ion Ratio Lower Upper

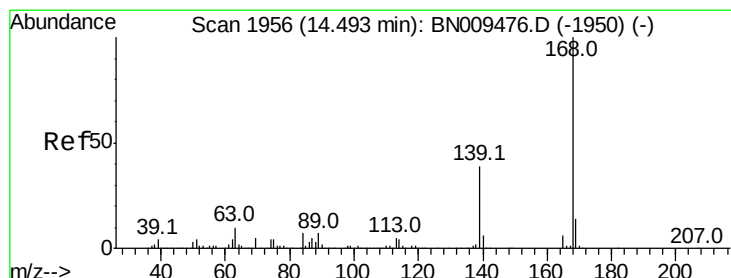
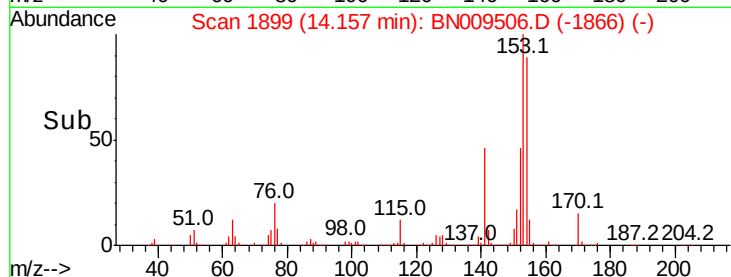
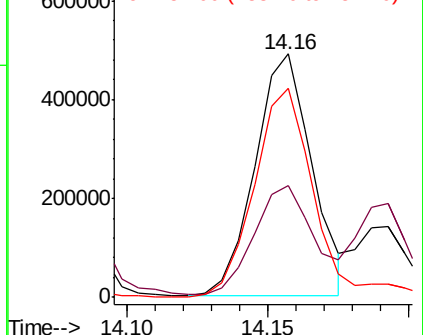
153 100

152 45.8 36.3 54.5

154 86.1 71.4 107.0



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 27.489 ng/ul

RT: 14.50 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BN009506.D

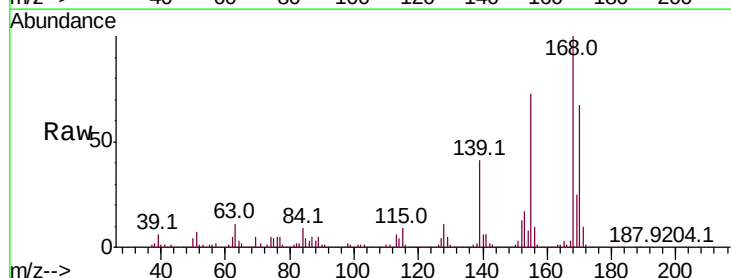
Acq: 31 Jan 2020 12:05

Tgt Ion:168 Resp: 1402876

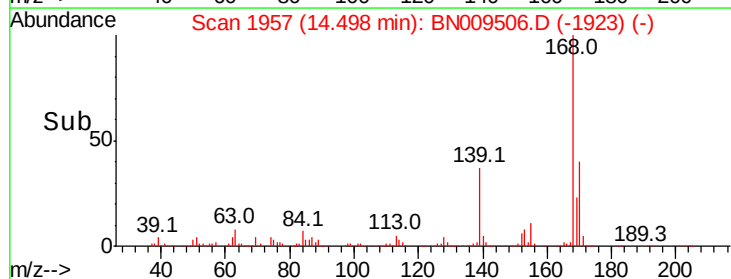
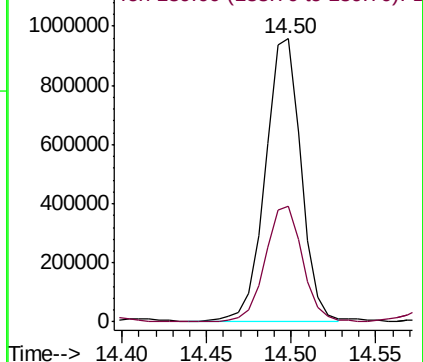
Ion Ratio Lower Upper

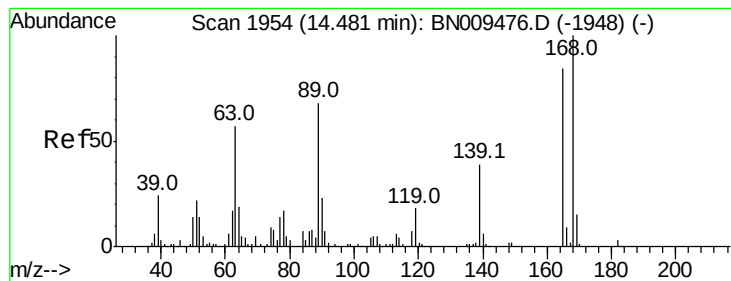
168 100

139 40.7 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 5.176 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

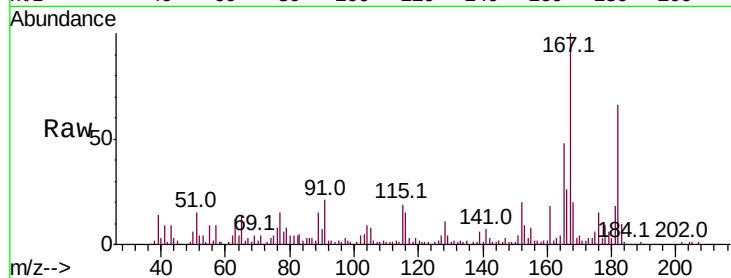
Tot Ion:165 Resp: 63571

Ion Ratio Lower Upper

165 100

63 25.4 55.4 83.0#

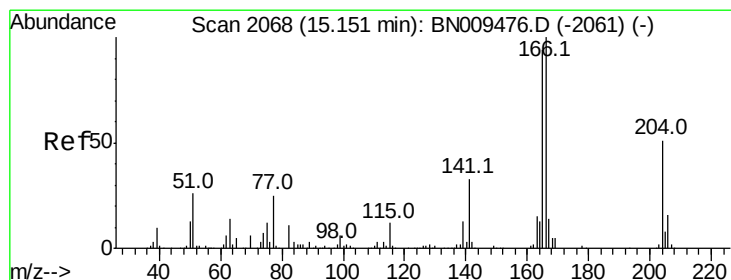
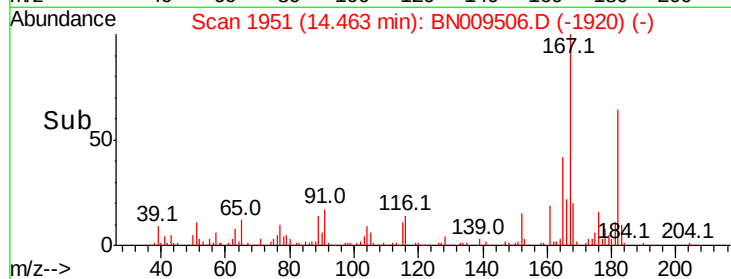
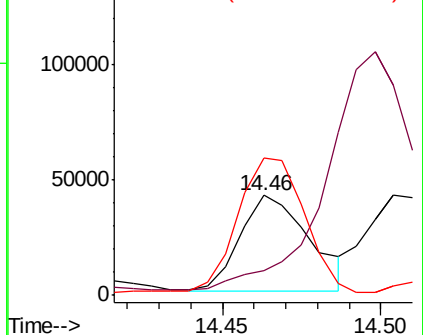
182 138.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 57.215 ng/ul

RT: 15.15 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

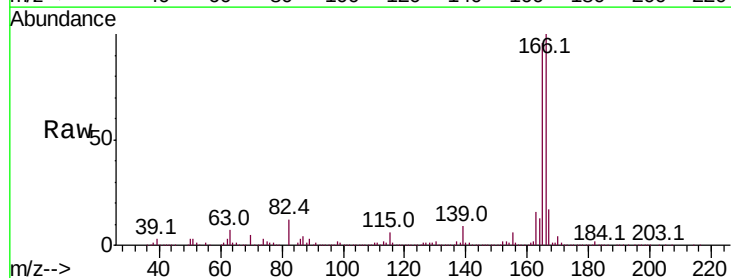
Tgt Ion:166 Resp: 2446707

Ion Ratio Lower Upper

166 100

165 96.3 76.5 114.7

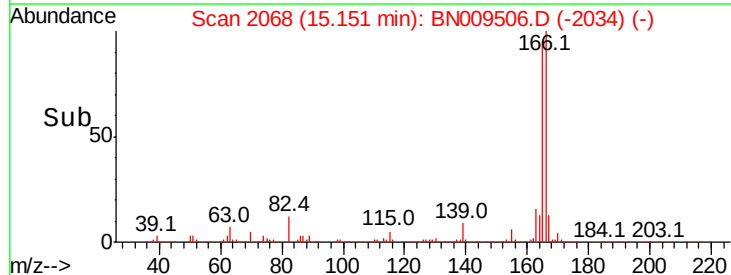
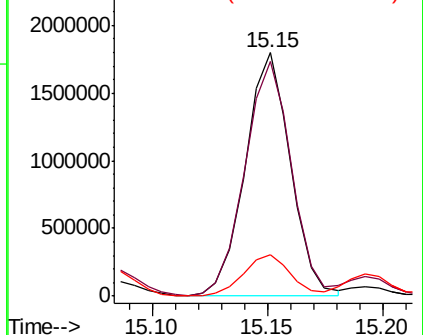
167 16.9 10.9 16.3#

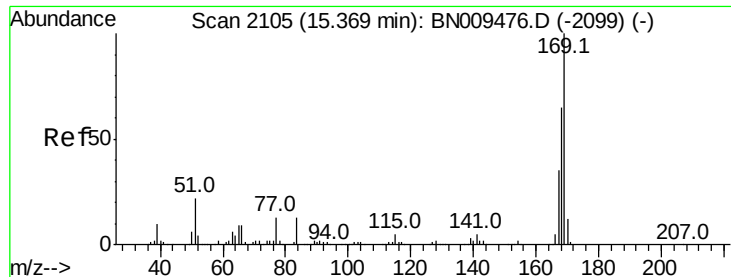


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 3.723 ng/ul

RT: 15.37 min Scan# 2105

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampled :

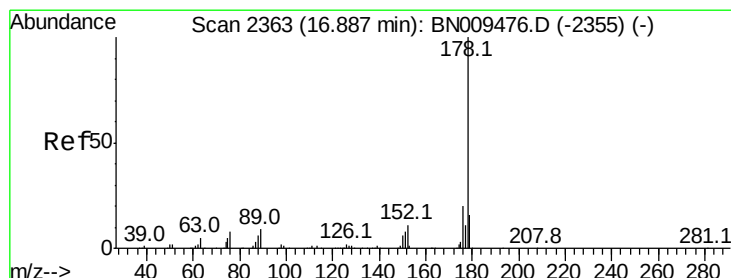
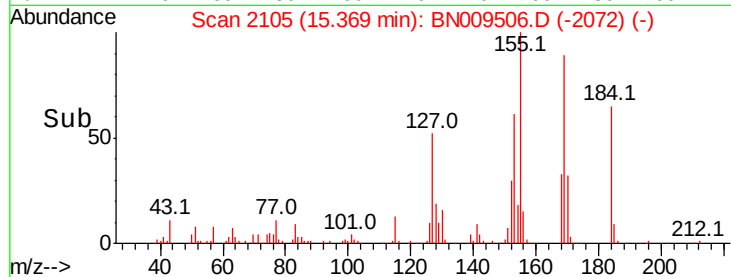
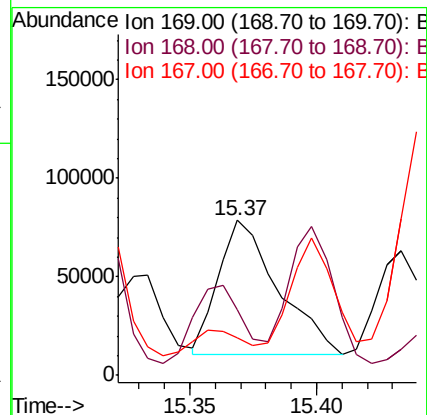
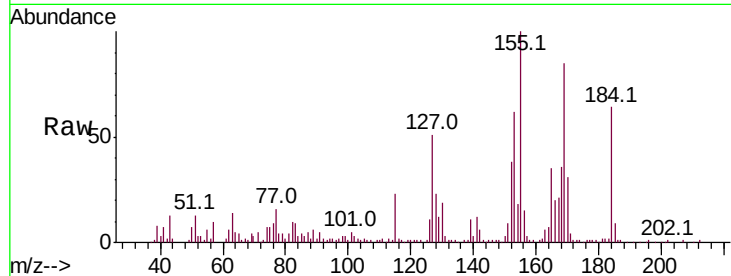
Tot Ion:169 Resp: 111343

Ion Ratio Lower Upper

169 100

168 42.0 49.8 74.8#

167 24.1 27.6 41.4#



#69

Phenanthrene

Concen: 24.367 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.09 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

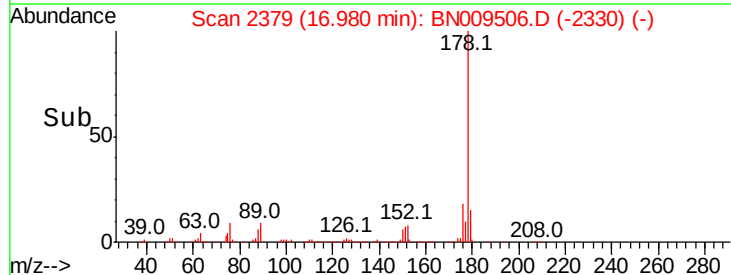
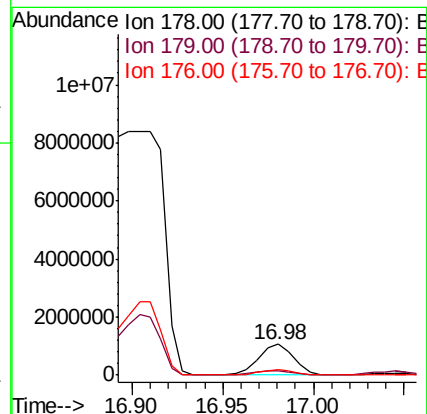
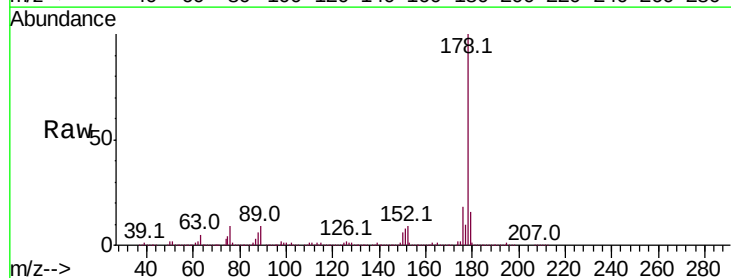
Tgt Ion:178 Resp: 1388550

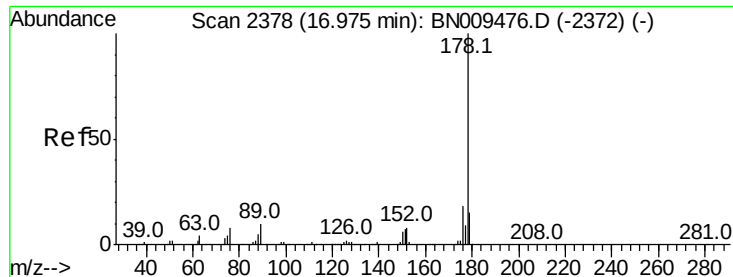
Ion Ratio Lower Upper

178 100

179 15.7 13.3 19.9

176 17.7 15.5 23.3

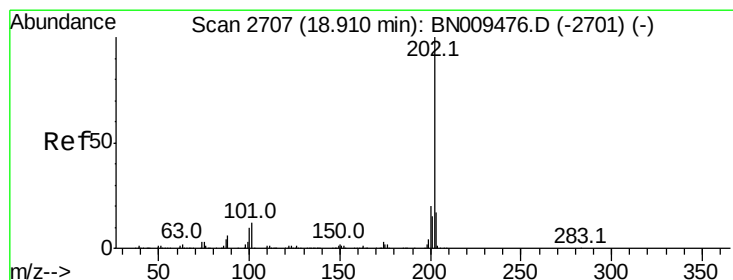
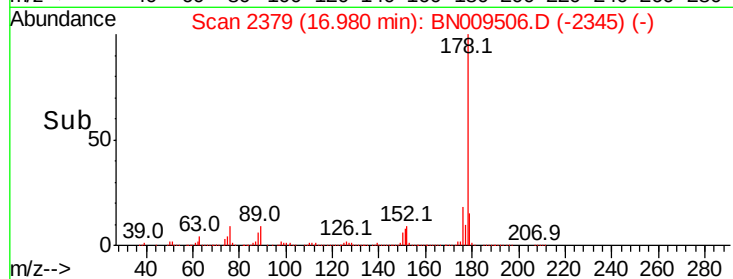
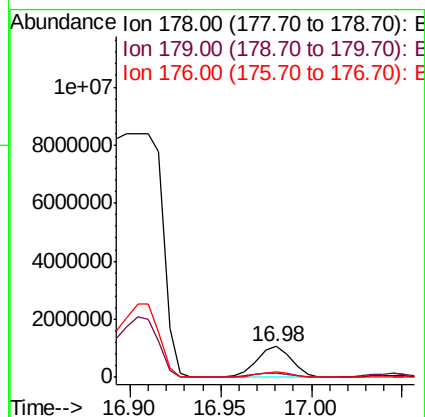
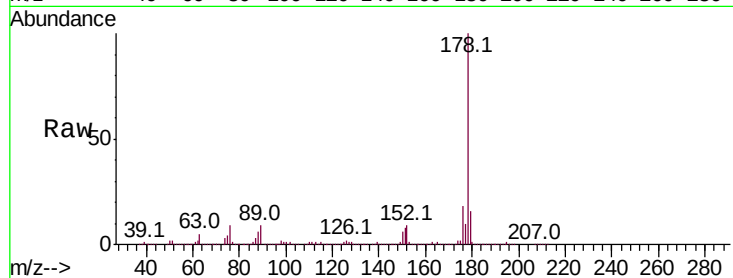




#71
 Anthracene
 Concen: 23.932 ng/ul
 RT: 16.98 min Scan# 2379
 Delta R.T. -0.00 min
 Lab File: BN009506.D
 Acq: 31 Jan 2020 12:05

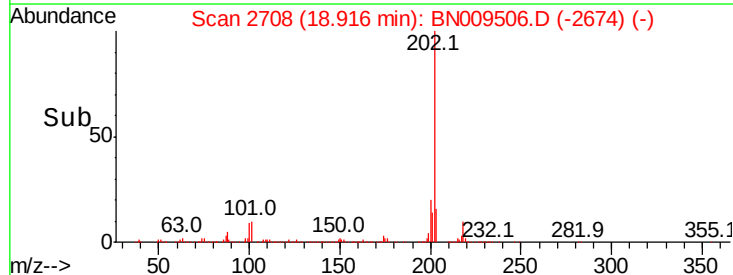
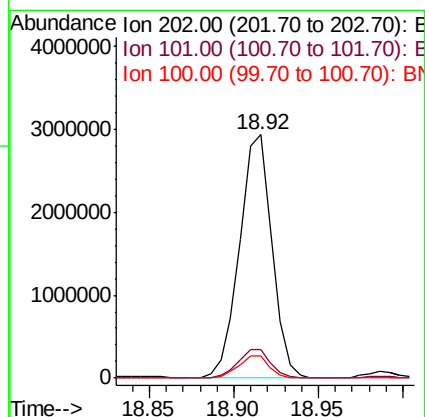
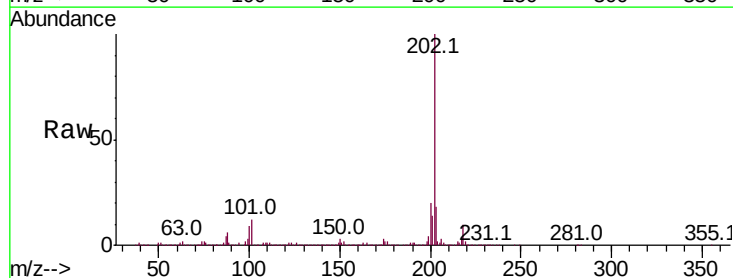
Instrument :
 BNA_N
 ClientSampleId :

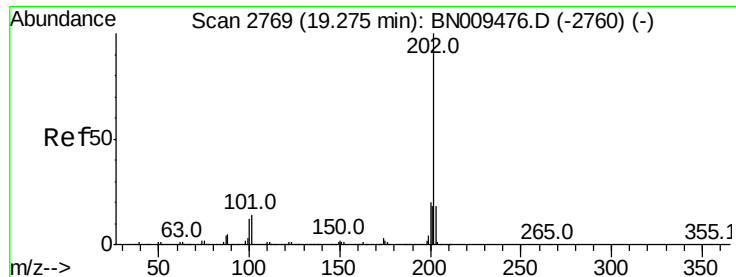
Tot Ion:178 Resp: 1388550
 Ion Ratio Lower Upper
 178 100
 179 15.7 11.8 17.6
 176 17.7 14.6 22.0



#76
 Fluoranthene
 Concen: 60.073 ng/ul
 RT: 18.92 min Scan# 2708
 Delta R.T. -0.00 min
 Lab File: BN009506.D
 Acq: 31 Jan 2020 12:05

Tgt Ion:202 Resp: 3924221
 Ion Ratio Lower Upper
 202 100
 101 11.8 9.7 14.5
 100 9.0 7.1 10.7





#79

Pvrene

Concen: 91.823 ng/ul

RT: 19.28 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

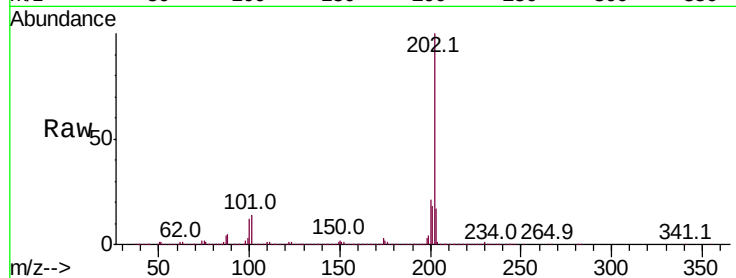
Instrument :

BNA_N

ClientSampleId :

Tot Ion:202 Resp: 6069477

Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.9	16.3
100	11.6	8.6	12.8

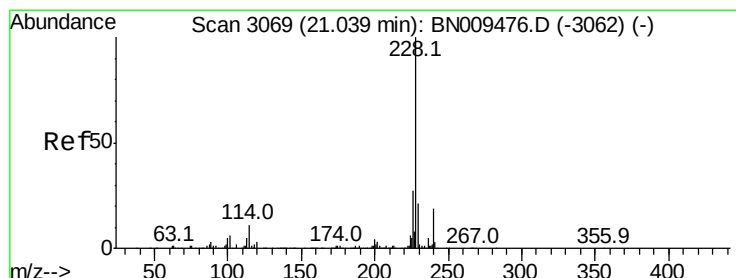
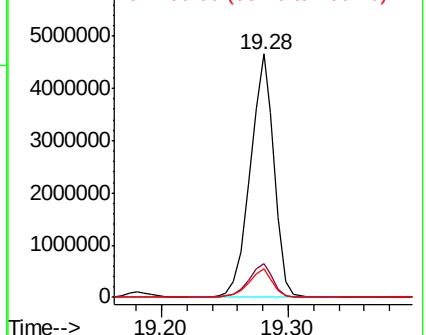
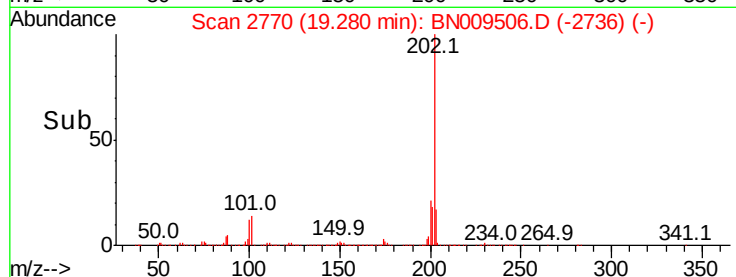


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 31.594 ng/ul

RT: 21.04 min Scan# 3069

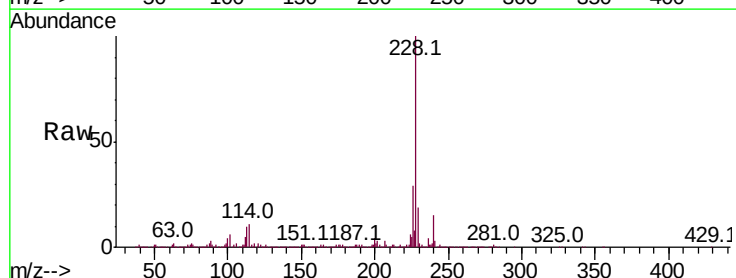
Delta R.T. -0.00 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Tgt Ion:228 Resp: 1964075

Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.9	23.9
226	28.7	20.9	31.3

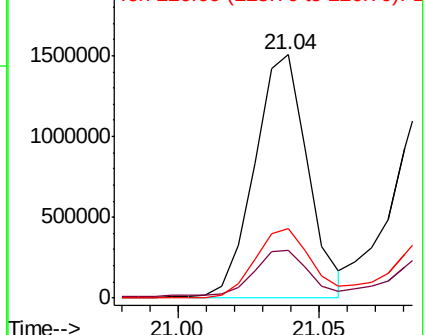
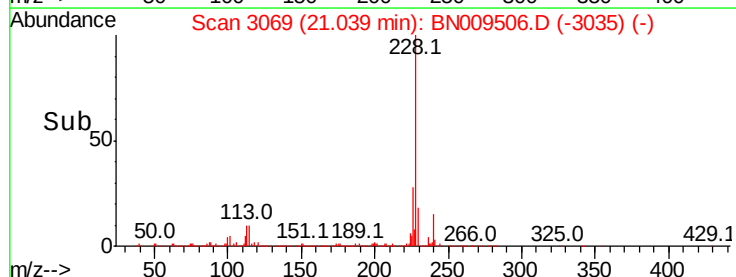


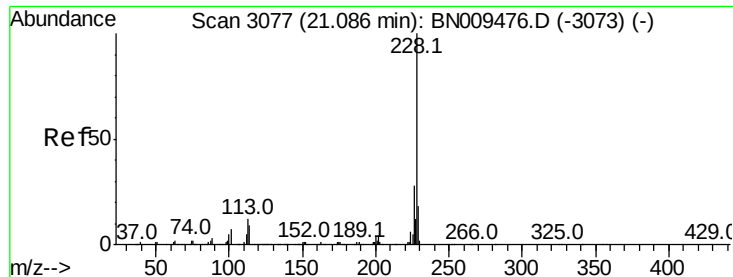
Abundance

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: 28.578 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

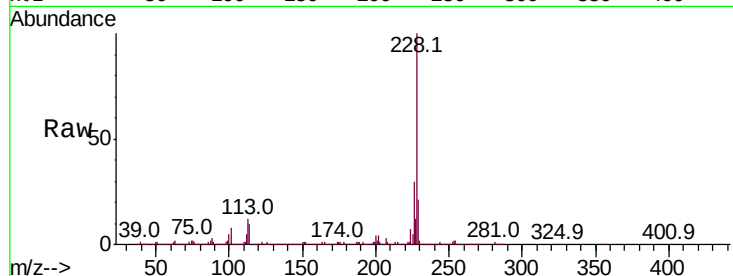
Tot Ion:228 Resp: 1730644

Ion Ratio Lower Upper

228 100

226 30.2 22.9 34.3

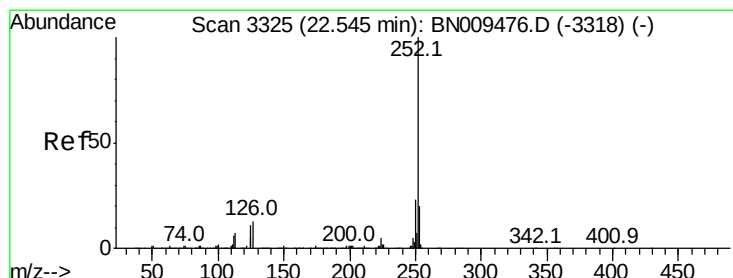
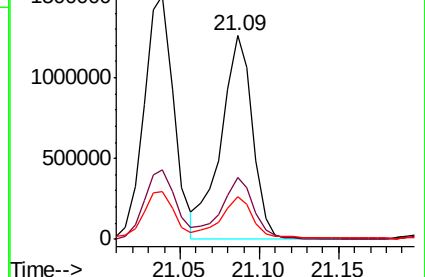
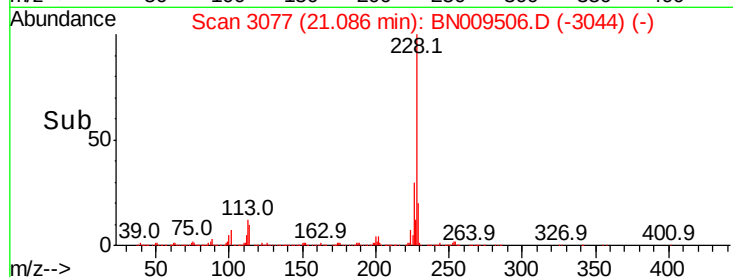
229 20.8 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 14.262 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. -0.00 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

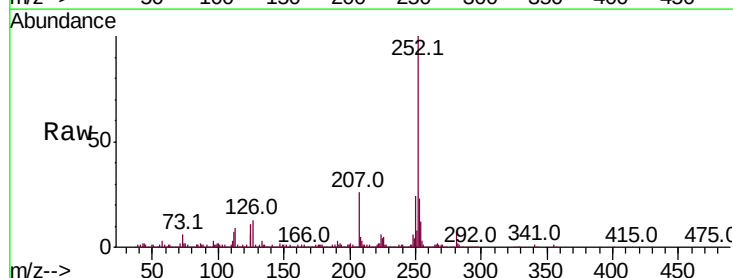
Tgt Ion:252 Resp: 867297

Ion Ratio Lower Upper

252 100

253 22.7 16.5 24.7

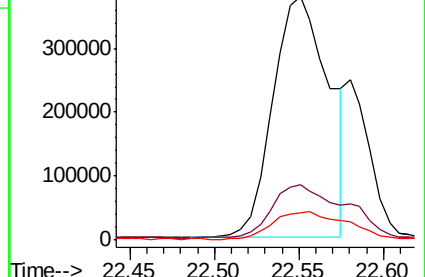
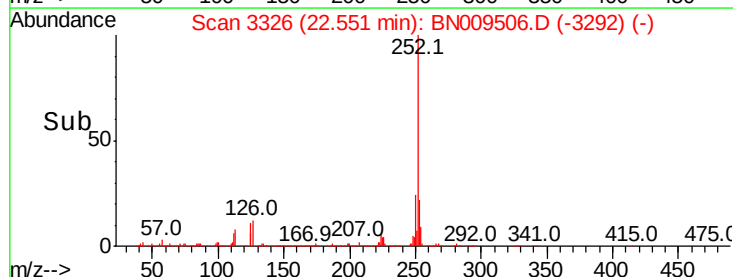
125 11.4 8.2 12.2

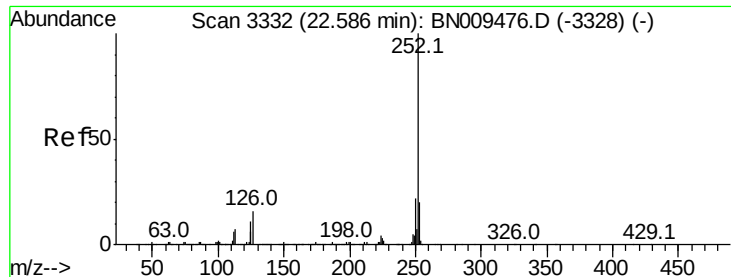


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 14.505 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. -0.04 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

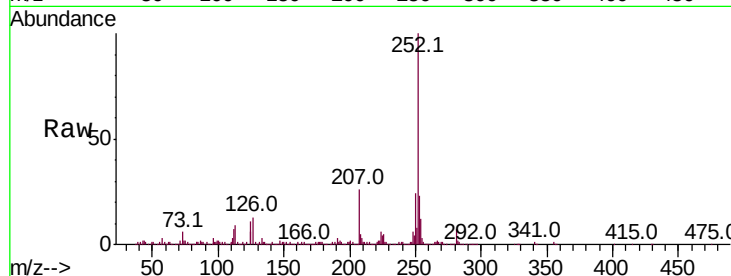
Tot Ion:252 Resp: 867297

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

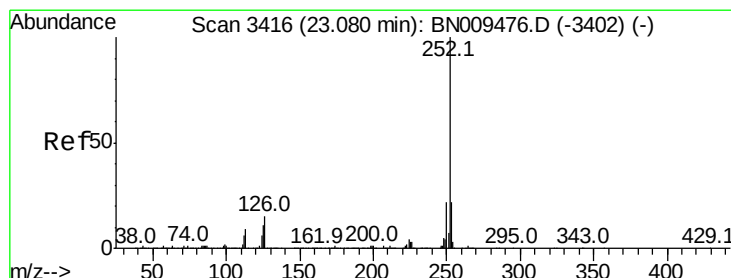
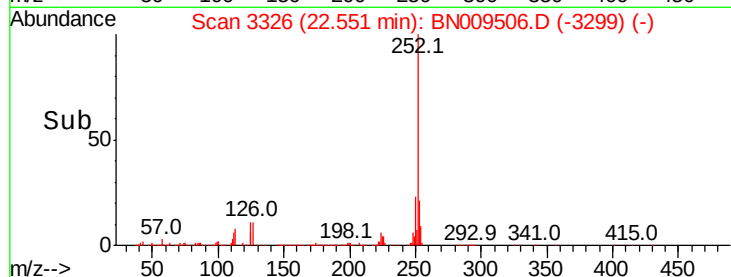
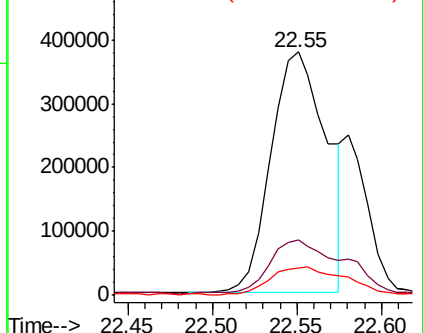
125 11.4 7.8 11.8



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: 11.746 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

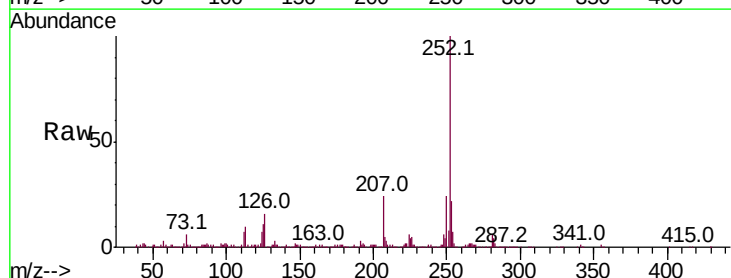
Tgt Ion:252 Resp: 641139

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

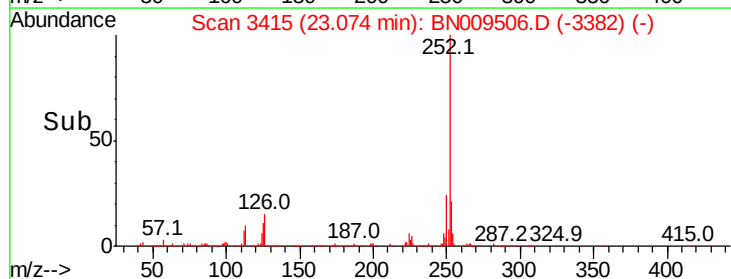
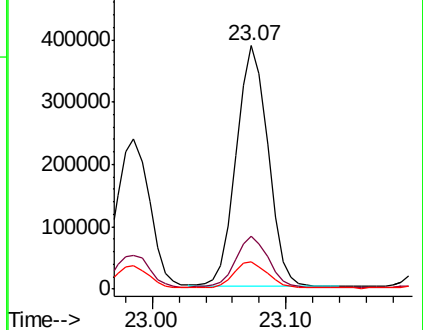
125 11.3 9.8 14.6

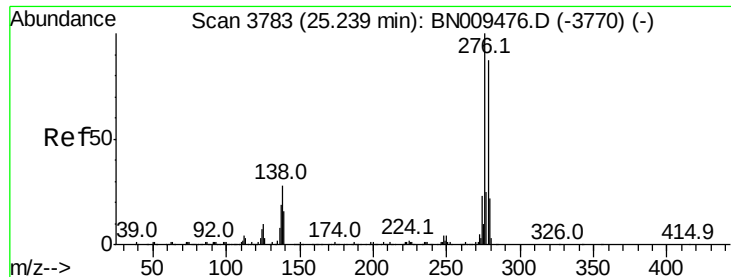


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 4.313 ng/ul

RT: 25.23 min Scan# 3781

Delta R.T. -0.02 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

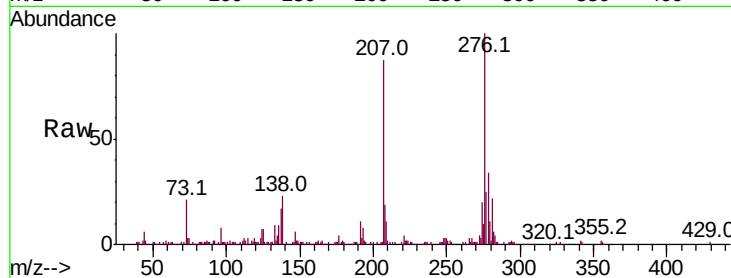
Tot Ion:276 Resp: 285296

Ion Ratio Lower Upper

276 100

138 22.8 21.4 32.0

277 25.4 20.4 30.6

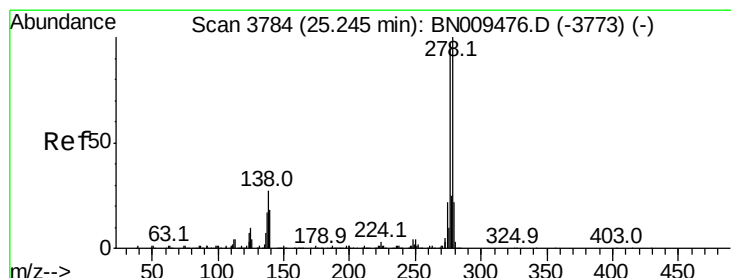
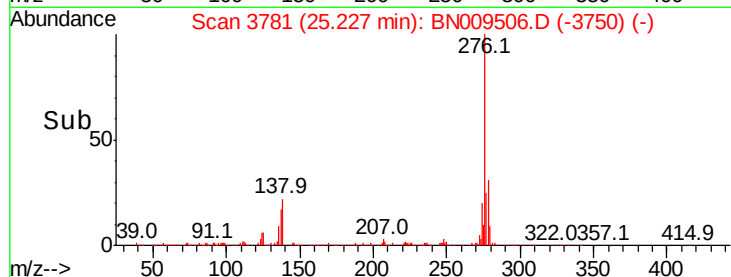
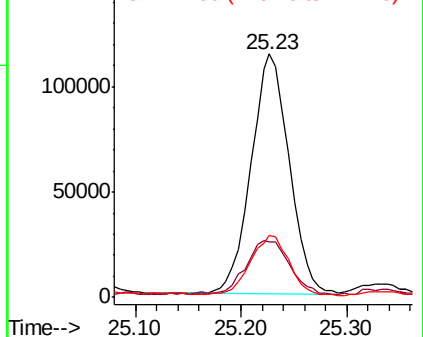


Abundance

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: 2.134 ng/ul

RT: 25.23 min Scan# 3782

Delta R.T. -0.02 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

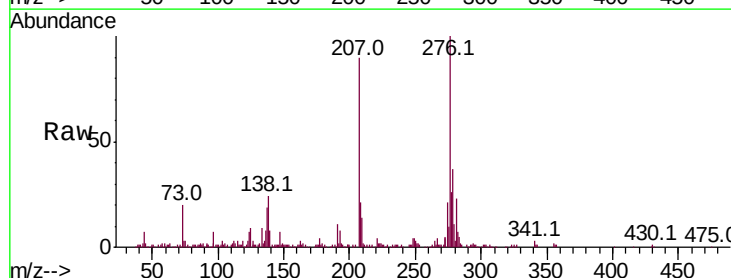
Tgt Ion:278 Resp: 119088

Ion Ratio Lower Upper

278 100

139 20.4 13.9 20.9

279 28.8 19.3 28.9

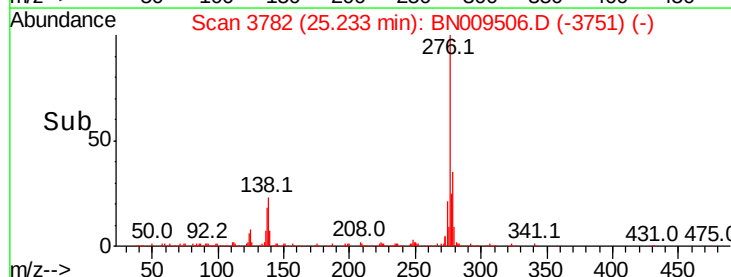
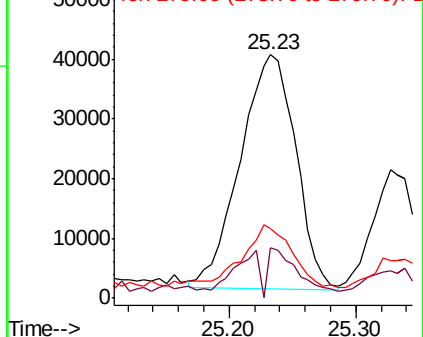


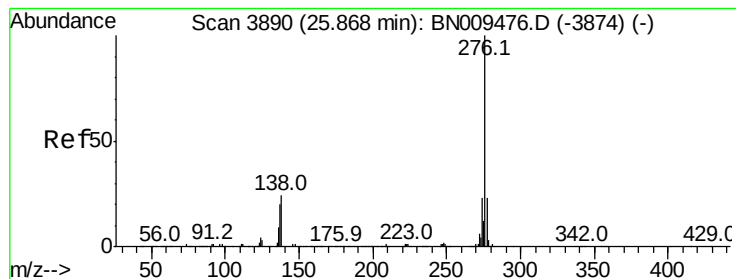
Abundance

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(a,h,i)perylene

Concen: 3.607 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

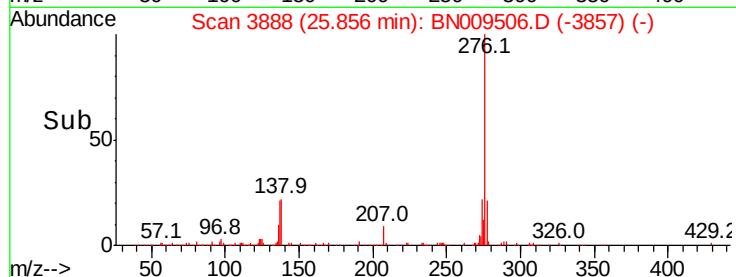
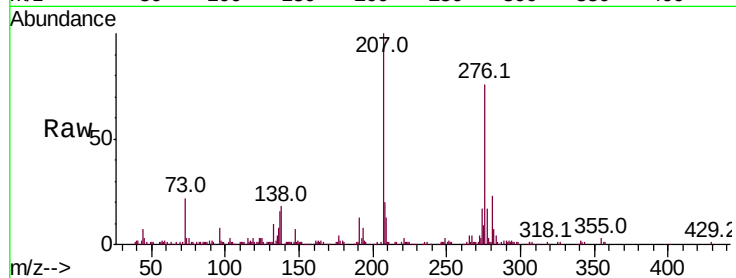
Tot Ion:276 Resp: 198476

Ion Ratio Lower Upper

276 100

138 23.5 16.6 24.8

277 22.4 18.7 28.1



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

