

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009484.D
 Acq On : 30 Jan 2020 20:53
 Operator : CG/JU
 Sample : L1300-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 31 00:32:16 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	7.46	152	162796	20.00	ng/ul	0.00
18) Naphthalene-d8	10.20	136	664305	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.09	164	408709	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.85	188	866412	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	770209	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	880649	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	3968	1.01	ng/uL	0.00
5) Phenol-d5	6.65	99	87864	6.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	66407	6.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	72560	6.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	61608	5.36	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	34305	7.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	34146	6.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	65453	6.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	68669	5.66	ng/ul	0.00
43) Dimethylphthalate-d6	13.52	166	226302	7.48	ng/ul	0.00
46) Acenaphthylene-d8	13.77	160	252098	7.02	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.33	143	20890	3.71	ng/ul	0.01
57) Fluorene-d10	15.09	176	201436	7.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	21900	4.17	ng/ul	0.00
70) Anthracene-d10	16.94	188	296443	7.40	ng/ul	0.00
78) Pyrene-d10	19.25	212	339262	8.19	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	352793	7.94	ng/ul	0.00

Target Compounds

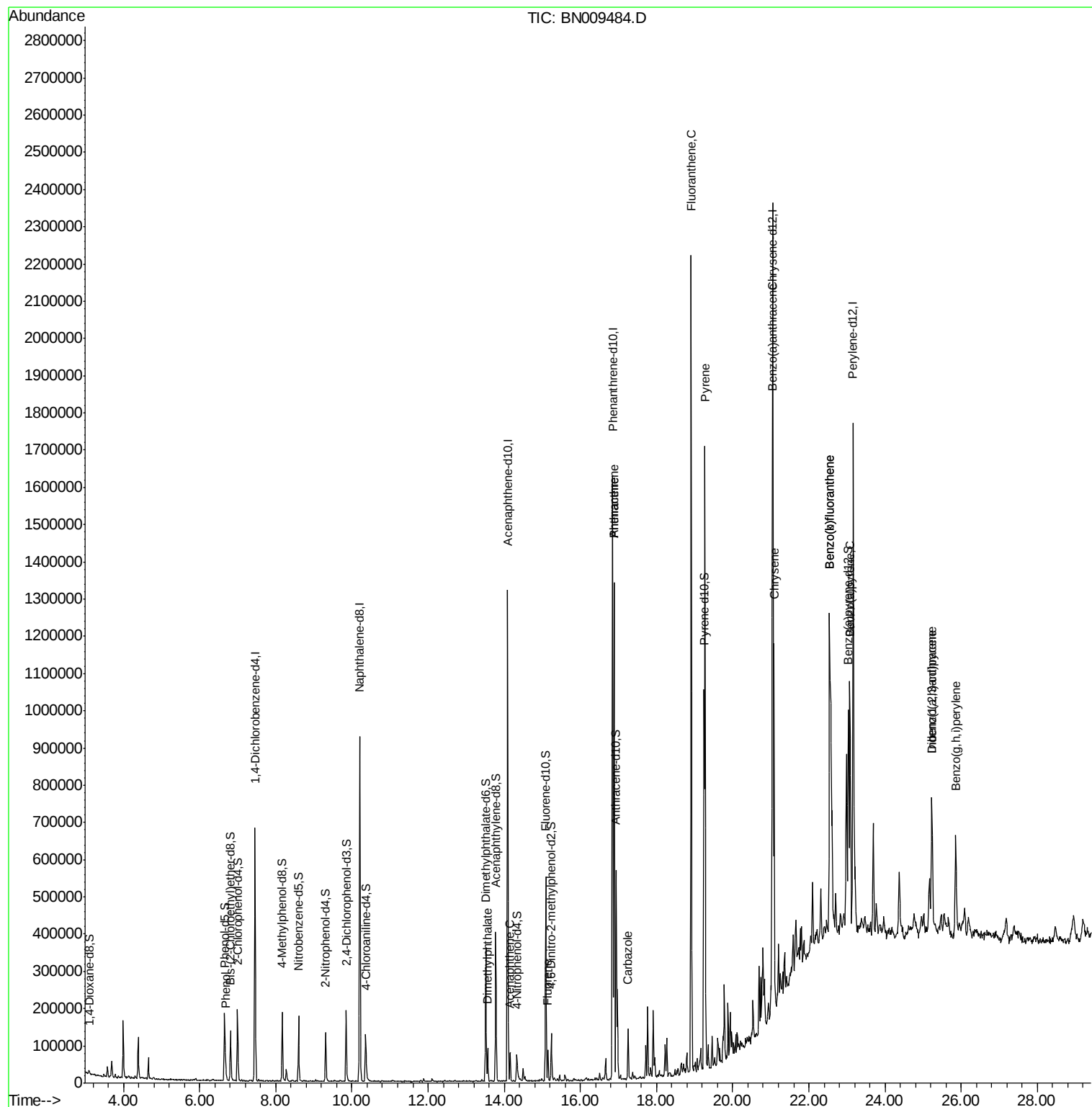
					Ovalue
6) Phenol	6.68	94	18910	1.250 ng/ul	95
44) Dimethylphthalate	13.56	163	50636	1.626 ng/ul	99
49) Acenaphthene	14.15	153	29270	1.107 ng/ul	92
58) Fluorene	15.15	166	35164	1.143 ng/ul	98
69) Phenanthrene	16.89	178	736701	15.069 ng/ul	98
71) Anthracene	16.89	178	736701	14.801 ng/ul	98
74) Carbazole	17.25	167	73838	1.733 ng/ul	99
76) Fluoranthene	18.91	202	1194566	21.316 ng/ul	98
79) Pvrene	19.27	202	935104	16.768 ng/ul	98
82) Benzo(a)anthracene	21.03	228	443096	8.448 ng/ul	99
84) Chrysene	21.09	228	498890	9.764 ng/ul	96
87) Benzo(b)fluoranthene	22.54	252	676868	12.156 ng/ul	96
88) Benzo(k)fluoranthene	22.54	252	676868	12.363 ng/ul#	96
90) Benzo(a)pyrene	23.07	252	410156	8.206 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.23	276	294199	4.857 ng/ul	96
92) Dibenzo(a,h)anthracene	25.23	278	72859	1.426 ng/ul#	80
93) Benzo(g,h,i)perylene	25.86	276	266766	5.295 ng/ul	96

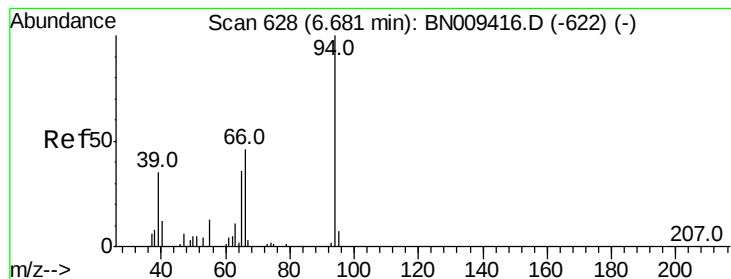
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#6

Phenol

Concen: 1.250 ng/ul

RT: 6.68 min Scan# 628

Delta R.T. -0.00 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

Instrument :

BNA_N

ClientSampled :

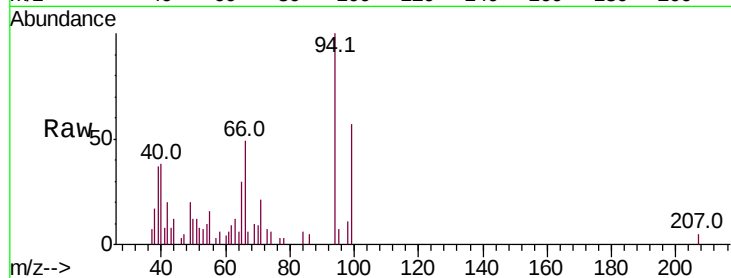
Tot Ion: 94 Resp: 18910

Ion Ratio Lower Upper

94 100

65 29.8 29.4 44.0

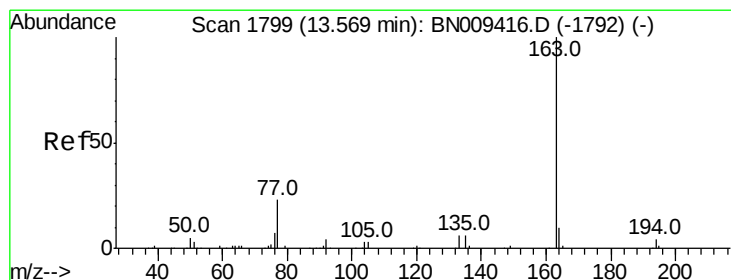
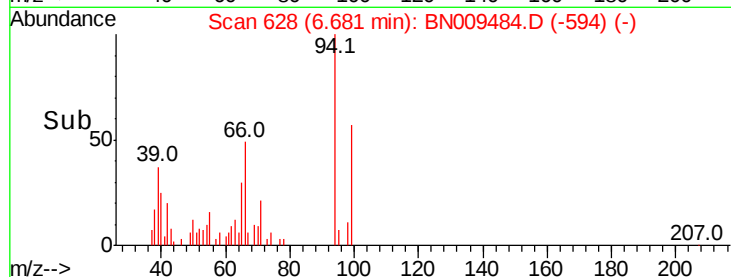
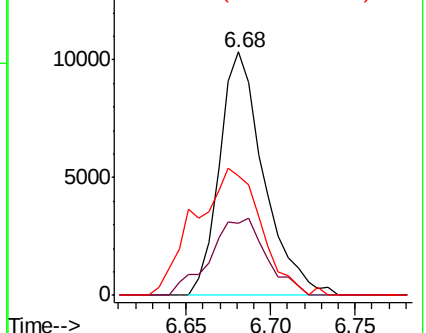
66 49.3 39.8 59.8



Abundance Ion 94.00 (93.70 to 94.70): BN009416.D (-622) (-)

Ion 65.00 (64.70 to 65.70): BN009416.D (-622) (-)

Ion 66.00 (65.70 to 66.70): BN009416.D (-622) (-)



#44

Dimethylphthalate

Concen: 1.626 ng/ul

RT: 13.56 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

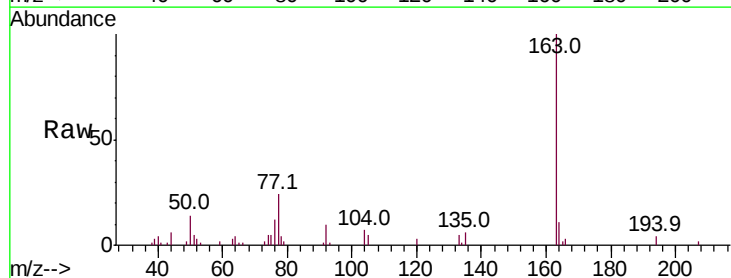
Tgt Ion:163 Resp: 50636

Ion Ratio Lower Upper

163 100

194 4.5 3.1 4.7

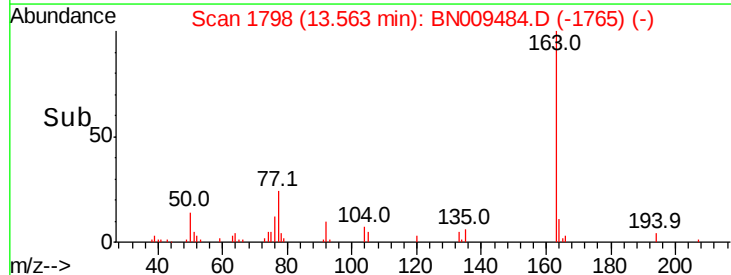
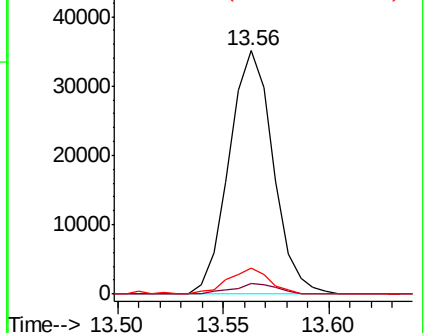
164 10.6 8.3 12.5

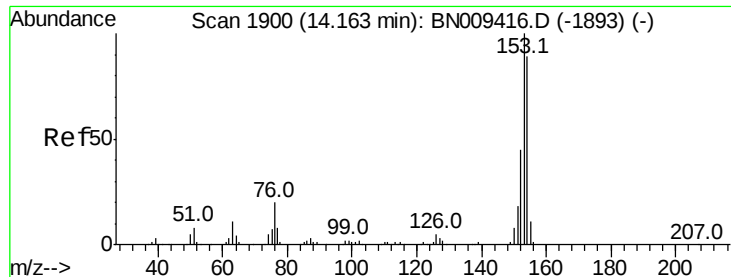


Abundance Ion 163.00 (162.70 to 163.70): BN009416.D (-1792) (-)

Ion 194.00 (193.70 to 194.70): BN009416.D (-1792) (-)

Ion 164.00 (163.70 to 164.70): BN009416.D (-1792) (-)





#49

Acenaphthene

Concen: 1.107 ng/ul

RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

Instrument :

BNA_N

ClientSampled :

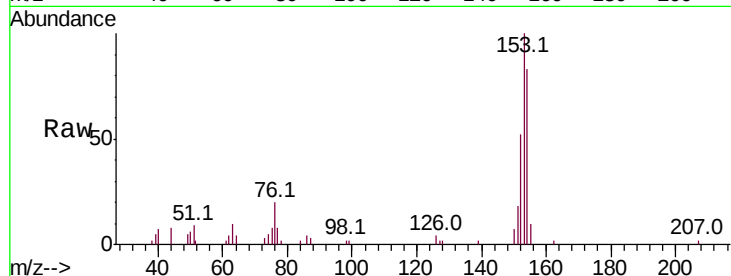
Tot Ion:153 Resp: 29270

Ion Ratio Lower Upper

153 100

152 52.3 36.3 54.5

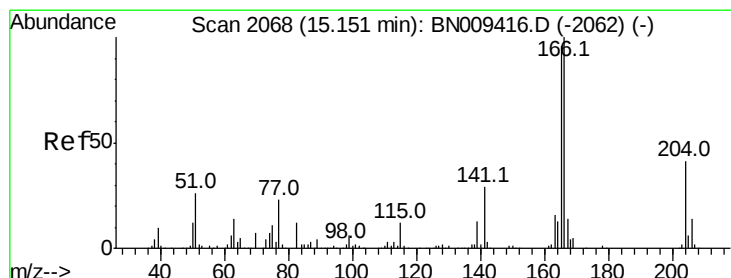
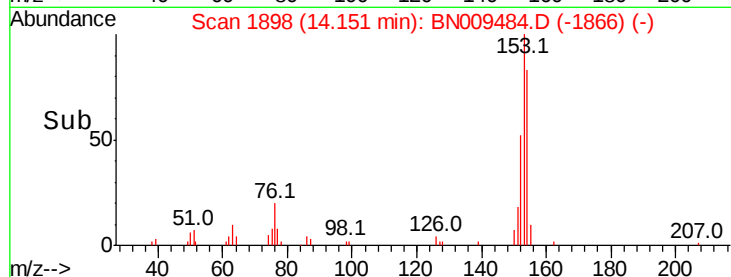
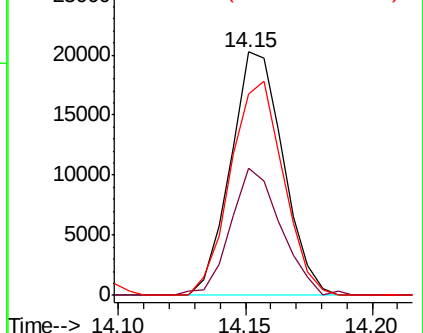
154 82.9 71.4 107.0



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



#58

Fluorene

Concen: 1.143 ng/ul

RT: 15.15 min Scan# 2067

Delta R.T. -0.01 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

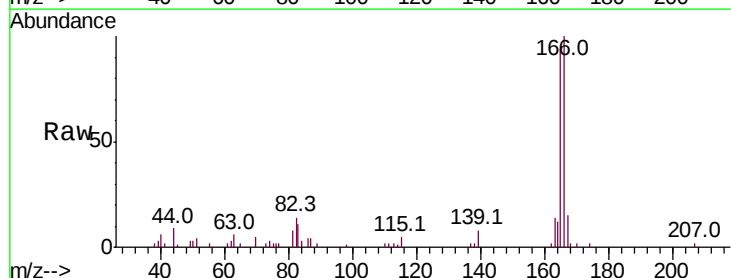
Tgt Ion:166 Resp: 35164

Ion Ratio Lower Upper

166 100

165 94.1 76.5 114.7

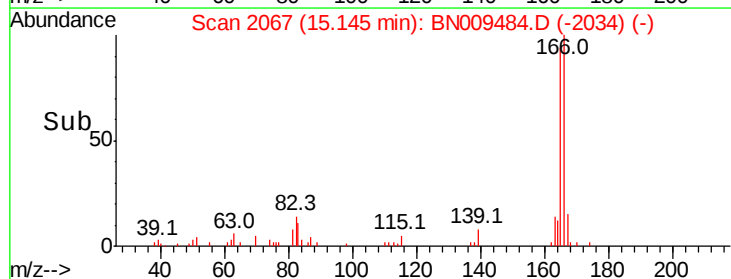
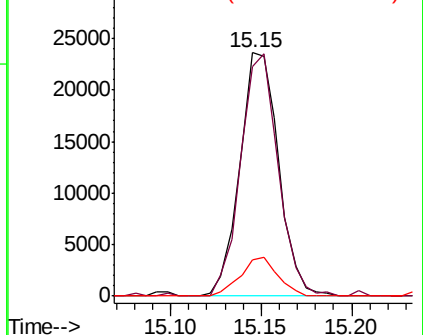
167 15.1 10.9 16.3

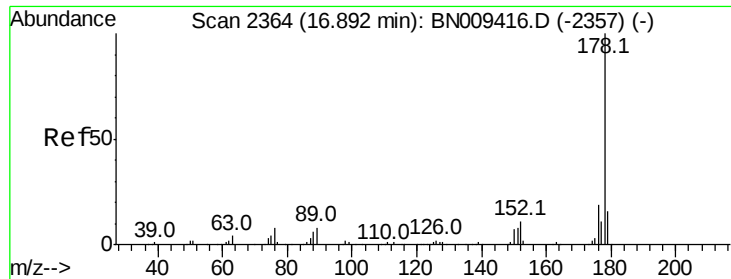


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 15.069 ng/ul

RT: 16.89 min Scan# 2363

Delta R.T. -0.01 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

Instrument :

BNA_N

ClientSampleId :

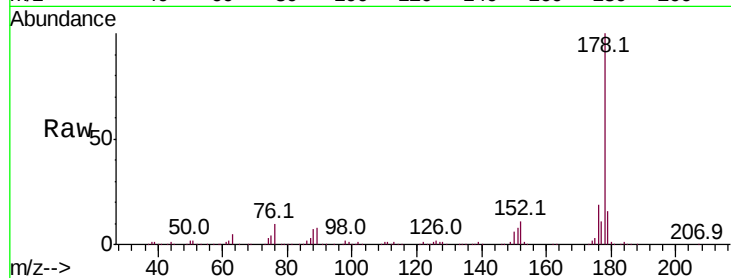
Tot Ion:178 Resp: 736701

Ion Ratio Lower Upper

178 100

179 15.8 13.3 19.9

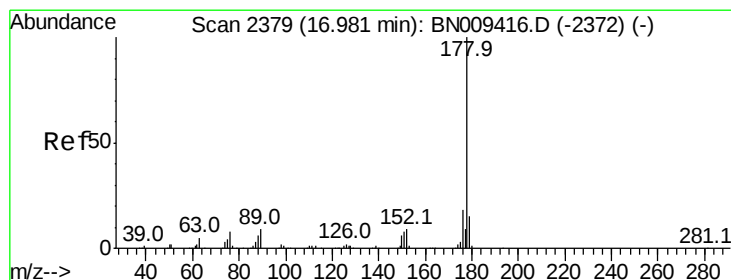
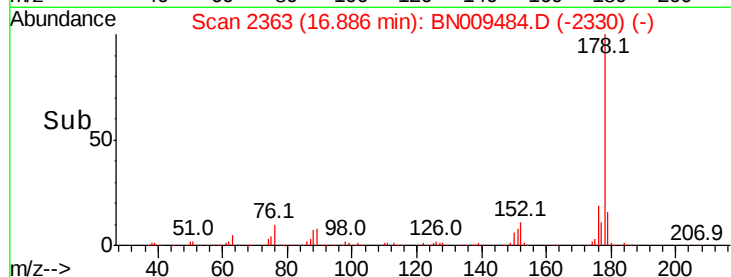
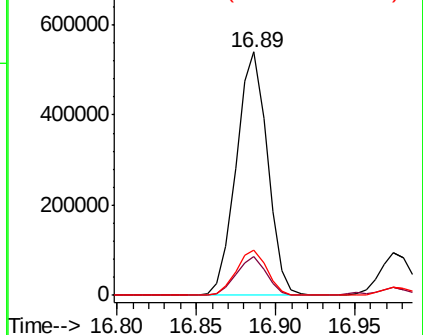
176 18.7 15.5 23.3



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: 14.801 ng/ul

RT: 16.89 min Scan# 2363

Delta R.T. -0.09 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

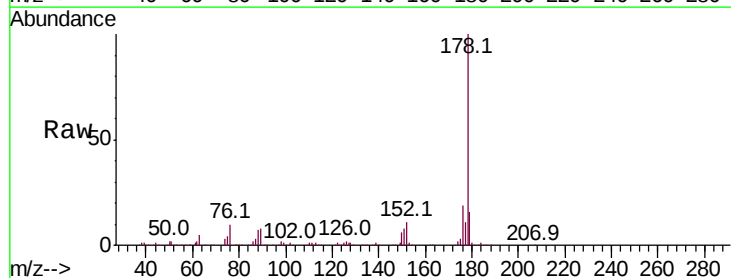
Tgt Ion:178 Resp: 736701

Ion Ratio Lower Upper

178 100

179 15.8 11.8 17.6

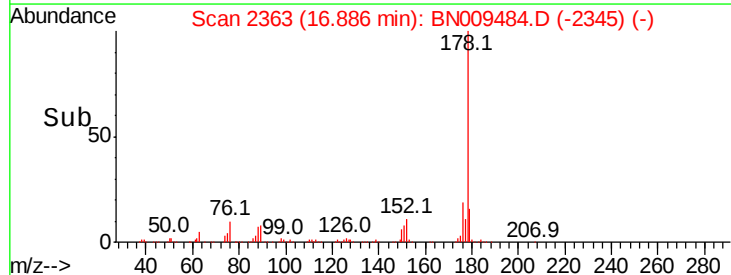
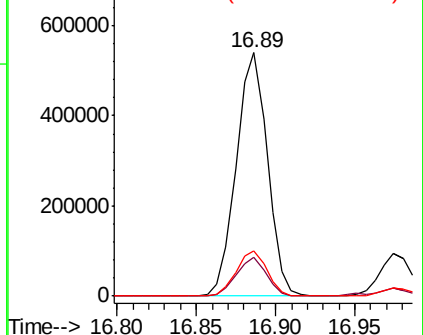
176 18.7 14.6 22.0

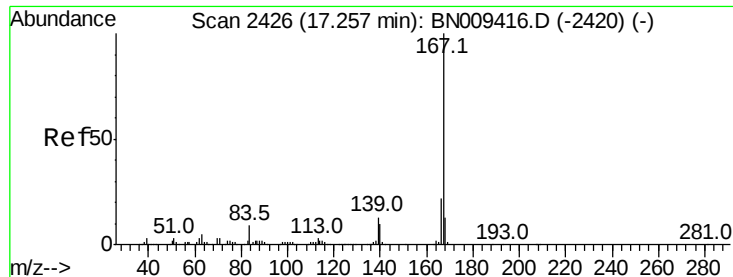


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.733 ng/ul

RT: 17.25 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

Instrument :

BNA_N

ClientSampleId :

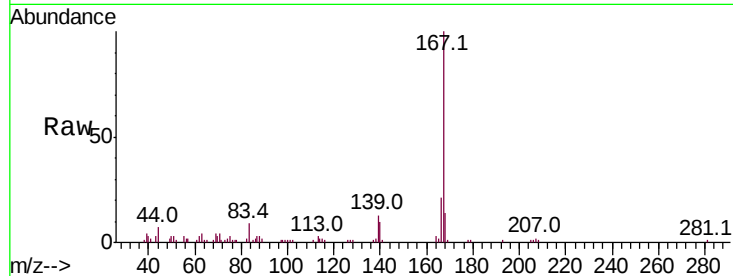
Tot Ion:167 Resp: 73838

Ion Ratio Lower Upper

167 100

166 21.1 17.4 26.2

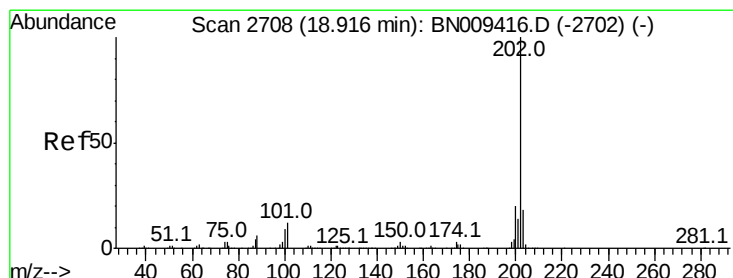
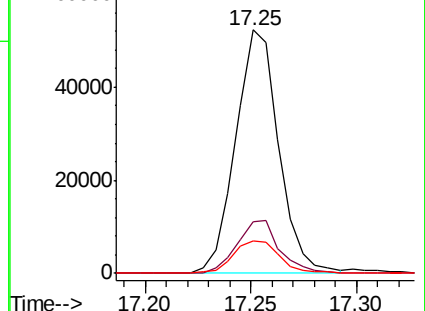
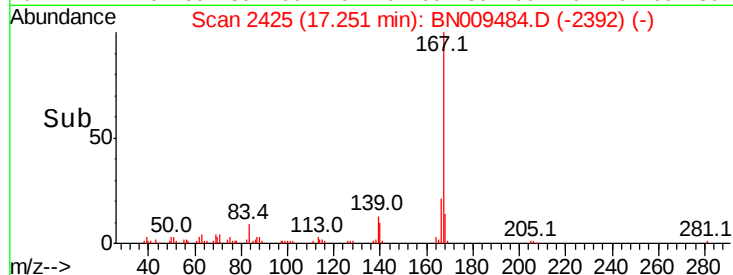
139 13.3 10.6 15.8



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: 21.316 ng/ul

RT: 18.91 min Scan# 2707

Delta R.T. -0.01 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

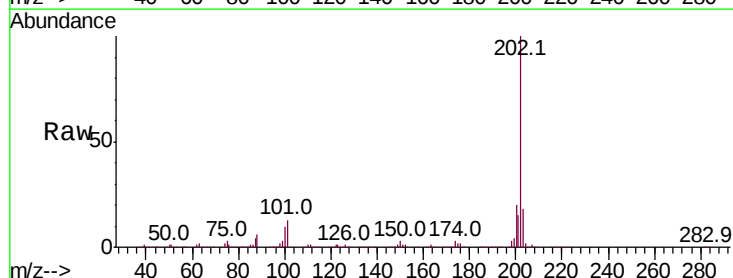
Tgt Ion:202 Resp: 1194566

Ion Ratio Lower Upper

202 100

101 12.6 9.7 14.5

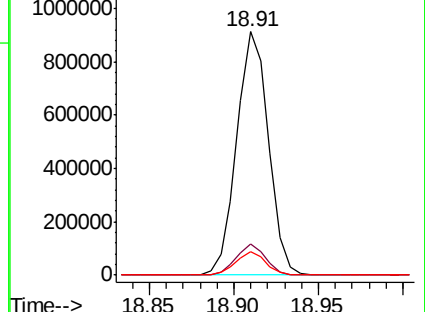
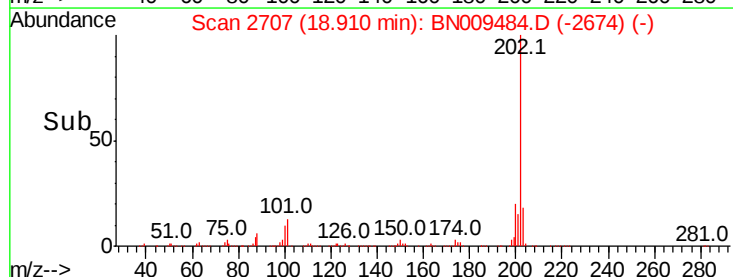
100 9.7 7.1 10.7

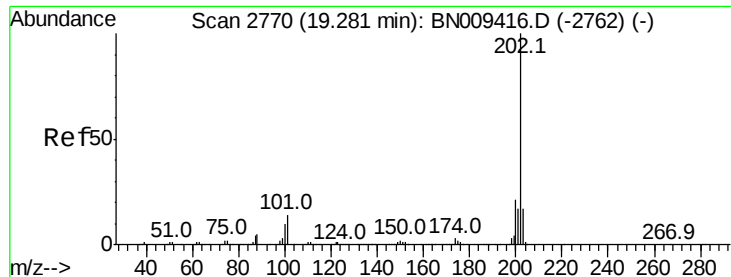


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 16.768 ng/ul

RT: 19.27 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

Instrument :

BNA_N

ClientSampleId :

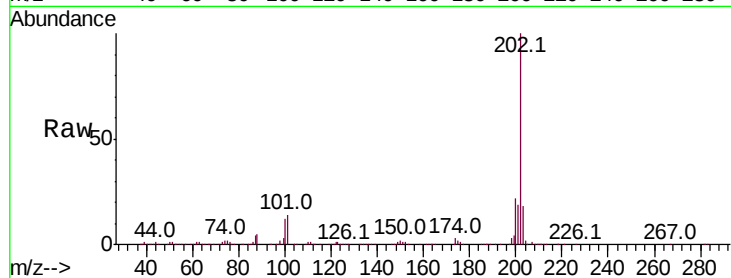
Tot Ion:202 Resp: 935104

Ion Ratio Lower Upper

202 100

101 14.0 10.9 16.3

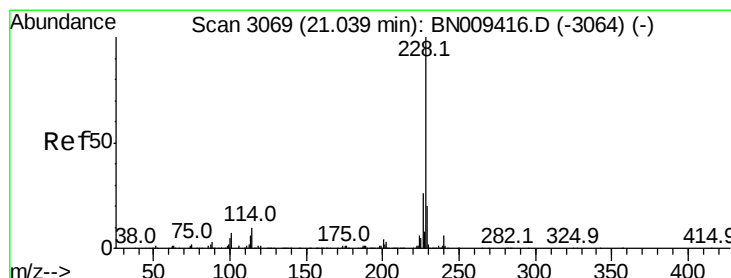
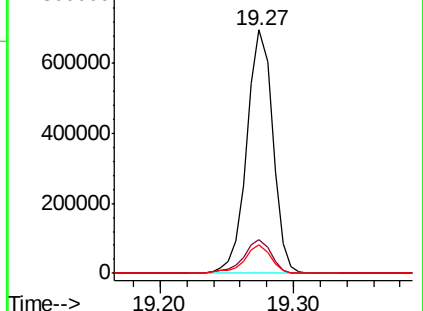
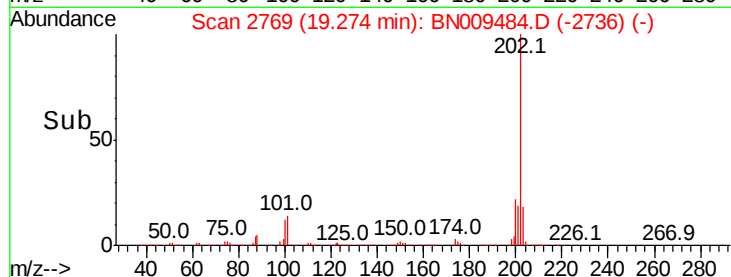
100 11.6 8.6 12.8



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): B



#82

Benzo(a)anthracene

Concen: 8.448 ng/ul

RT: 21.03 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

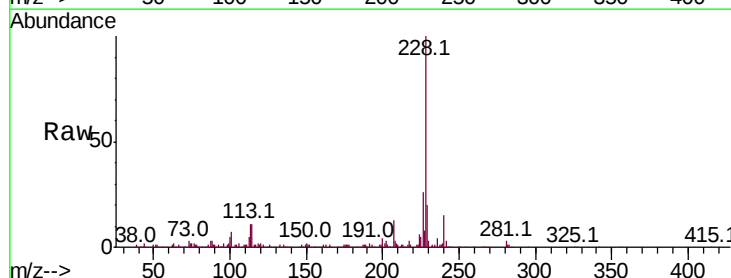
Tgt Ion:228 Resp: 443096

Ion Ratio Lower Upper

228 100

229 19.6 15.9 23.9

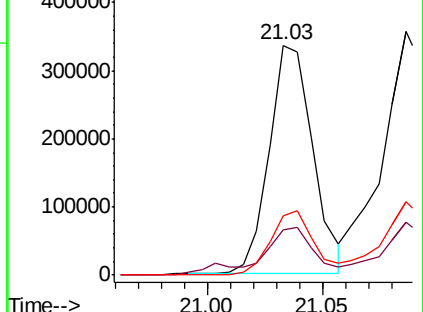
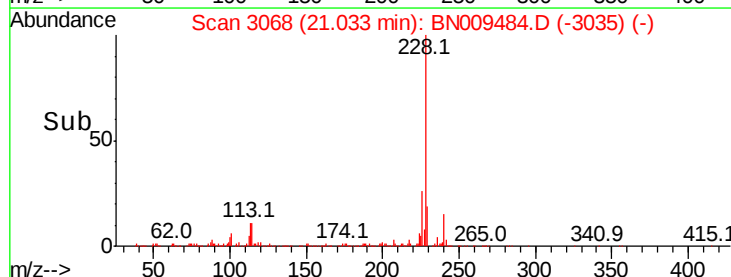
226 25.7 20.9 31.3

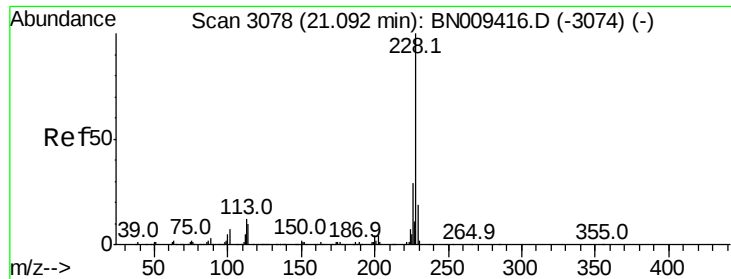


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

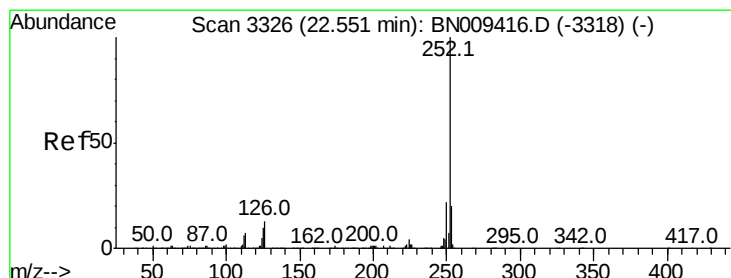
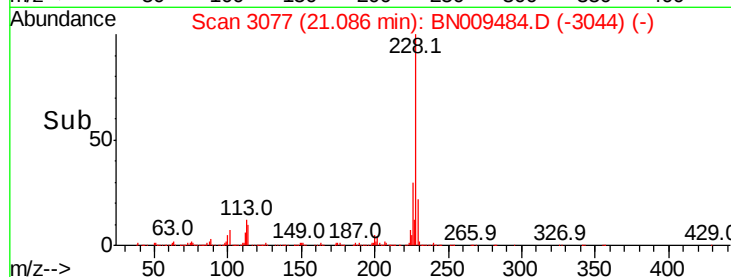
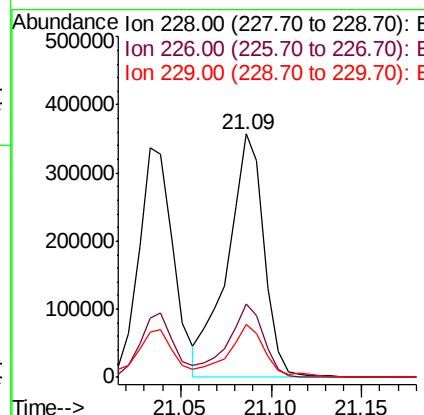
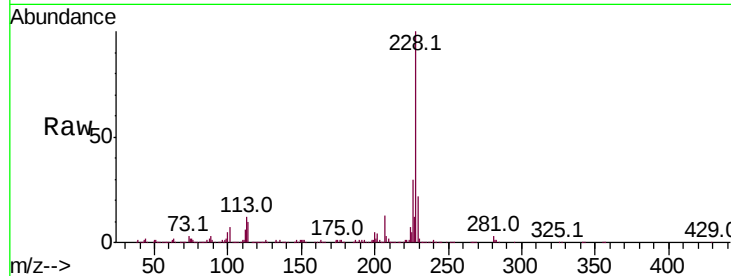




#84
Chrysene
Concen: 9.764 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BN009484.D
Acq: 30 Jan 2020 20:53

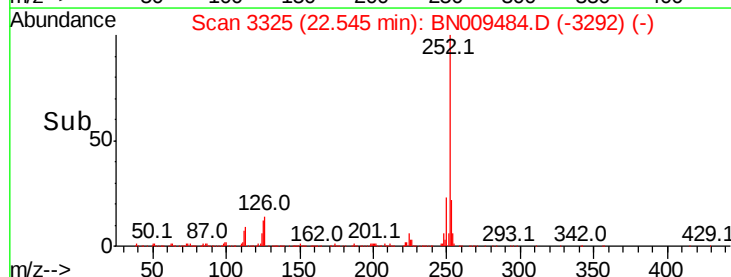
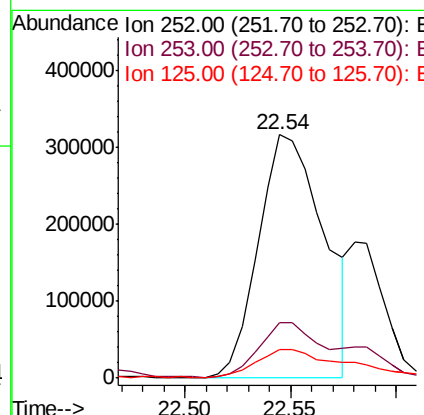
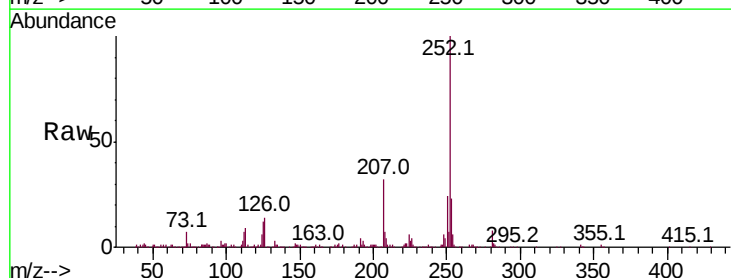
Instrument :
BNA_N
ClientSampled :

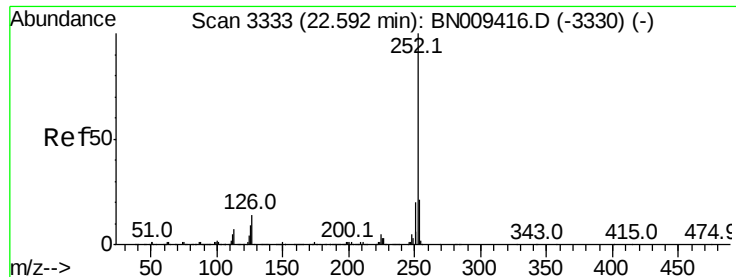
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.9	34.3
229	21.6	15.4	23.0



#87
Benzo(b)fluoranthene
Concen: 12.156 ng/ul
RT: 22.54 min Scan# 3325
Delta R.T. -0.01 min
Lab File: BN009484.D
Acq: 30 Jan 2020 20:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.5	24.7
125	11.9	8.2	12.2





#88

Benzo(k)fluoranthene

Concen: 12.363 ng/ul

RT: 22.54 min Scan# 3325

Delta R.T. -0.05 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

Instrument :

BNA_N

ClientSampleId :

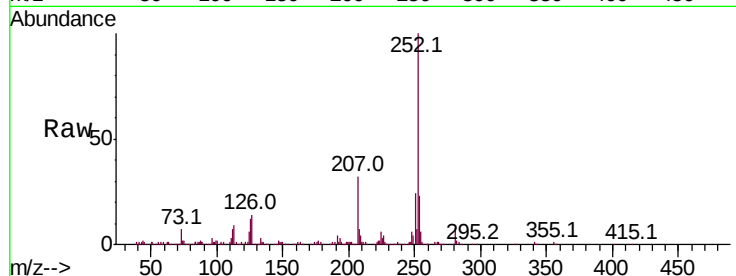
Tot Ion:252 Resp: 676868

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

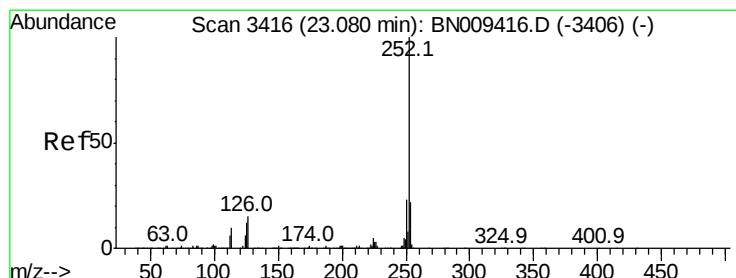
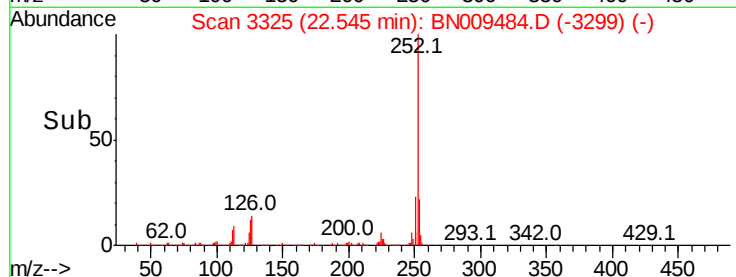
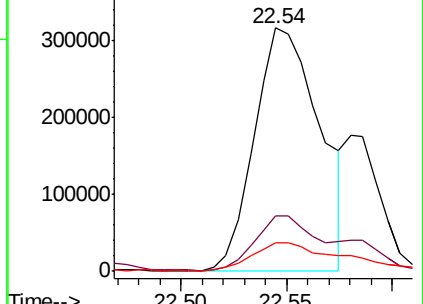
125 11.9 7.8 11.8#



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: 8.206 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. -0.01 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

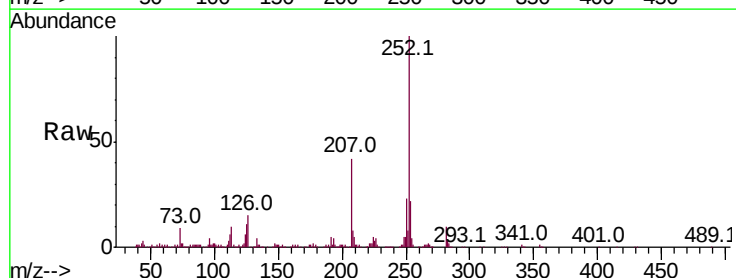
Tgt Ion:252 Resp: 410156

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

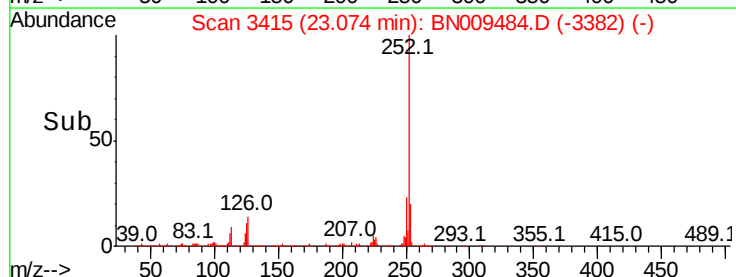
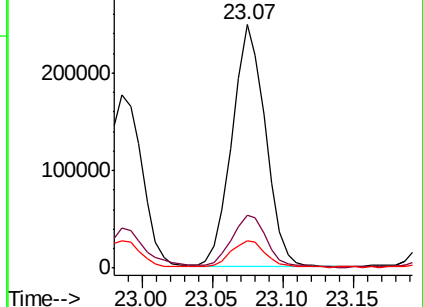
125 11.2 9.8 14.6

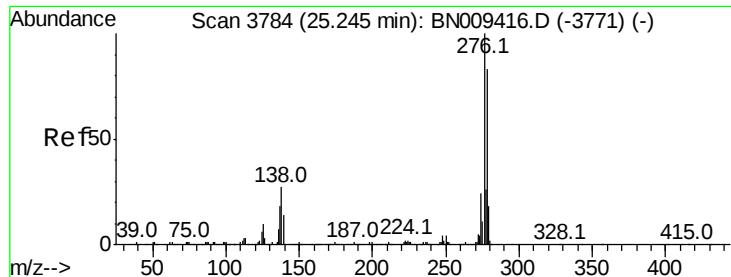


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

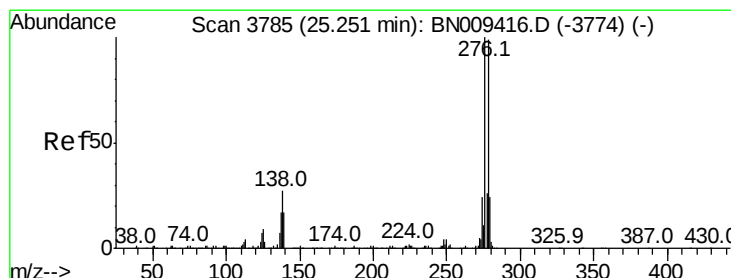
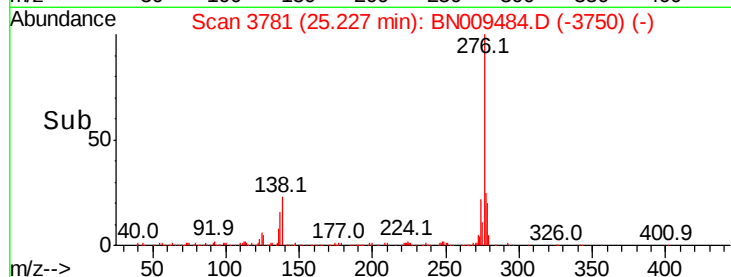
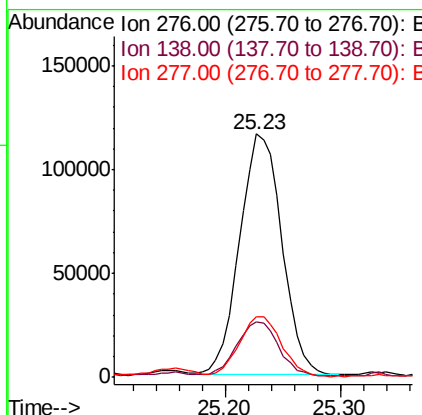
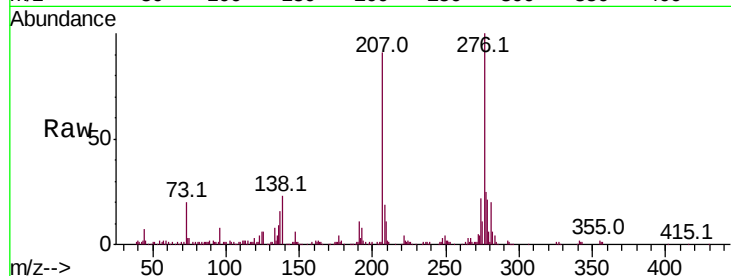




#91
 Indeno(1,2,3-cd)pyrene
 Concen: 4.857 ng/ul
 RT: 25.23 min Scan# 3781
 Delta R.T. -0.02 min
 Lab File: BN009484.D
 Acq: 30 Jan 2020 20:53

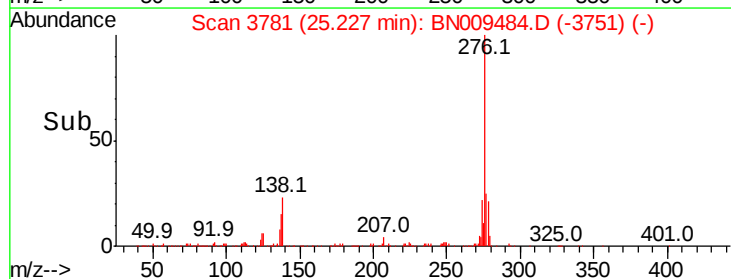
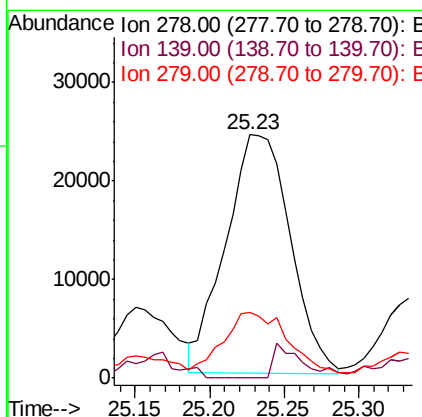
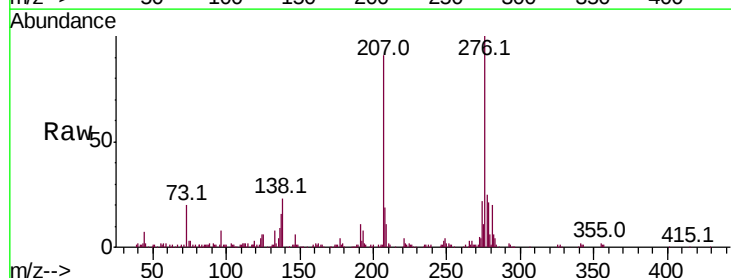
Instrument :
 BNA_N
 ClientSampleId :

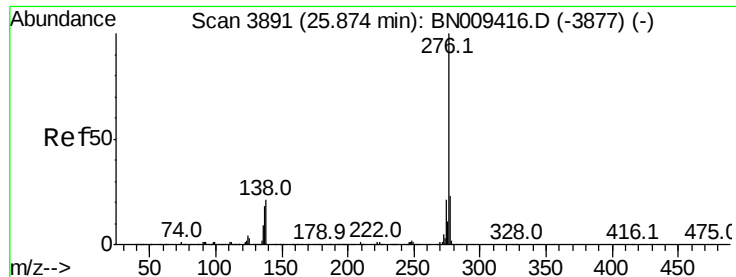
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	21.4	32.0
277	24.9	20.4	30.6



#92
 Dibenzo(a,h)anthracene
 Concen: 1.426 ng/ul
 RT: 25.23 min Scan# 3781
 Delta R.T. -0.02 min
 Lab File: BN009484.D
 Acq: 30 Jan 2020 20:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9#
279	27.2	19.3	28.9





#93

Benzo(a,h,i)perylene

Concen: 5.295 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BN009484.D

Acq: 30 Jan 2020 20:53

Instrument :

BNA_N

ClientSampleId :

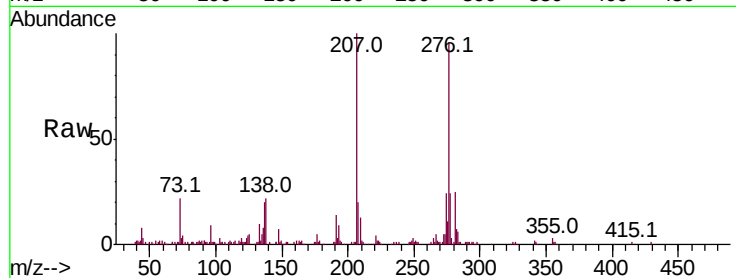
Tot Ion:276 Resp: 266766

Ion Ratio Lower Upper

276 100

138 23.1 16.6 24.8

277 25.0 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

