

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\
 Data File : BM024179.D
 Acq On : 19 Dec 2019 18:11
 Operator : JU
 Sample : K6171-0DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 03:36:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 17 15:54:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	246580	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.20	136	1089601	20.00	ng/ul	-0.02
36) Acenaphthene-d10	14.10	164	681143	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.86	188	1404517	20.00	ng/ul	-0.01
78) Chrysene-d12	21.07	240	1327153	20.00	ng/ul	0.00
86) Perylene-d12	23.20	264	1506193	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.00	96	10102	1.81	ng/uL	0.00
5) Phenol-d5	6.64	99	183660	7.87	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.79	67	137637	9.83	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.97	132	158373	9.51	ng/ul	-0.02
13) 4-Methylphenol-d8	8.16	113	149515	7.83	ng/ul	-0.01
19) Nitrobenzene-d5	8.60	128	74828	9.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	75242	8.74	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.85	165	144268	8.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	152096	7.48	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	538978	10.70	ng/ul	-0.01
47) Acenaphthylene-d8	13.79	160	612806	10.15	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.37	143	17408	1.92	ng/ul	0.02
58) Fluorene-d10	15.10	176	476264	10.79	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.26	200	36854	4.30	ng/ul	0.00
71) Anthracene-d10	16.96	188	697494	10.91	ng/ul	-0.01
79) Pyrene-d10	19.27	212	781491	12.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.07	264	869325	11.62	ng/ul	-0.01

Target Compounds

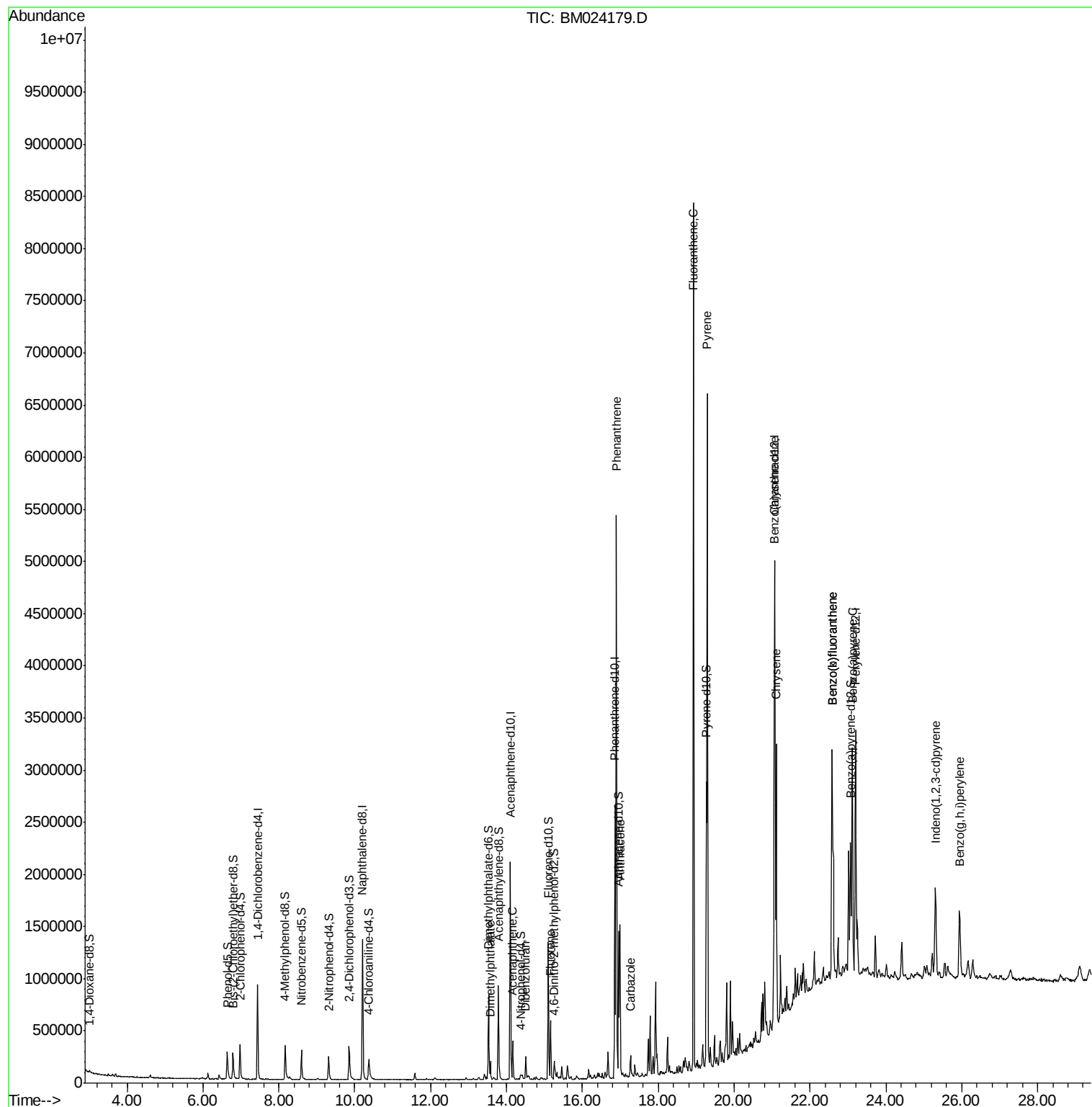
					Ovalue
45) Dimethylphthalate	13.57	163	107994	2.063	ng/ul 98
50) Acenaphthene	14.16	153	146939	3.335	ng/ul 100
54) Dibenzofuran	14.51	168	131481	2.147	ng/ul 98
59) Fluorene	15.16	166	246829	4.772	ng/ul 99
70) Phenanthrene	16.90	178	3103572	39.470	ng/ul 99
72) Anthracene	16.99	178	875885	11.080	ng/ul 100
75) Carbazole	17.27	167	129463	1.906	ng/ul 98
77) Fluoranthene	18.93	202	4642689	54.172	ng/ul 98
80) Pyrene	19.30	202	3768584	43.496	ng/ul 99
83) Benzo(a)anthracene	21.06	228	1622166	19.184	ng/ul 99
85) Chrysene	21.11	228	1373415	16.571	ng/ul 98
88) Benzo(b)fluoranthene	22.58	252	1722862	19.117	ng/ul 97
89) Benzo(k)fluoranthene	22.58	252	1722862	19.484	ng/ul 98
91) Benzo(a)pyrene	23.11	252	1281947	15.724	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.30	276	791690	8.087	ng/ul 96
94) Benzo(g,h,i)perylene	25.94	276	730682	9.141	ng/ul 97

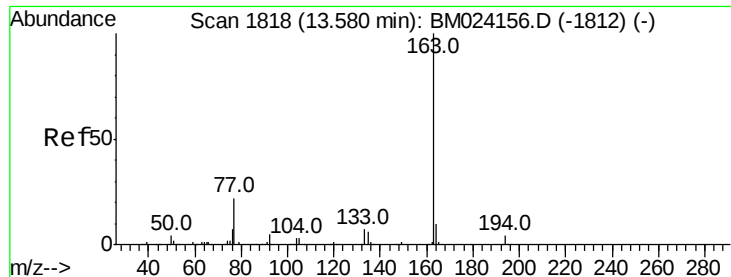
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\
Data File : BM024179.D
Acq On : 19 Dec 2019 18:11
Operator : JU
Sample : K6171-0DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 20 03:36:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 17 15:54:50 2019
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 2.063 ng/ul

RT: 13.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

Instrument :

BNA_M

ClientSampled :

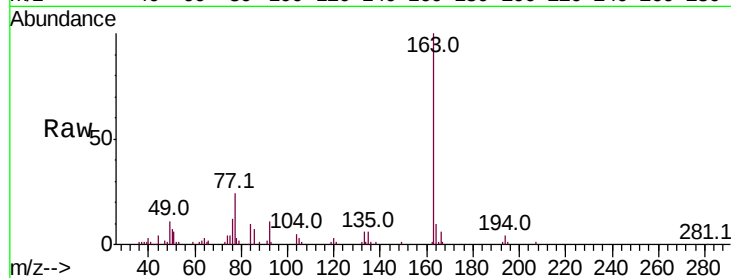
Tot Ion:163 Resp: 107994

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

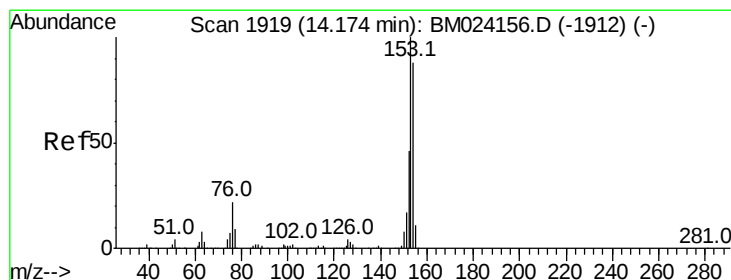
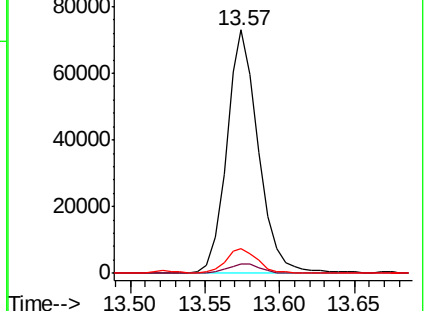
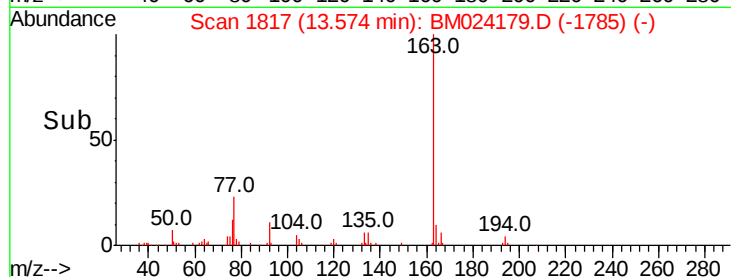
164 10.4 7.8 11.6



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



#50

Acenaphthene

Concen: 3.335 ng/ul

RT: 14.16 min Scan# 1917

Delta R.T. -0.02 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

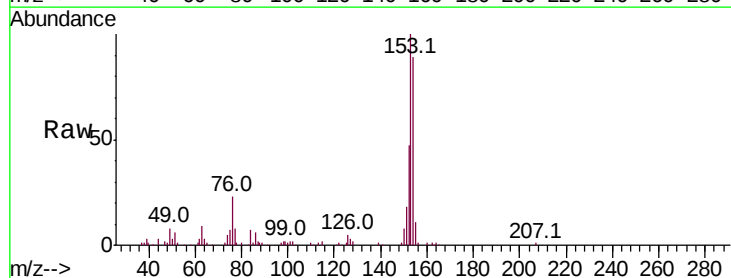
Tgt Ion:153 Resp: 146939

Ion Ratio Lower Upper

153 100

152 46.5 37.8 56.6

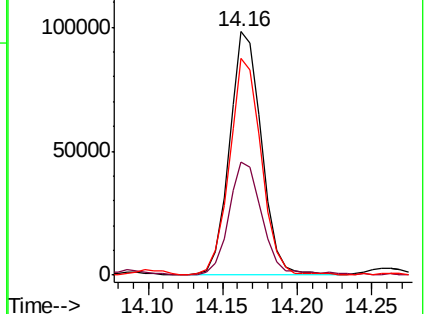
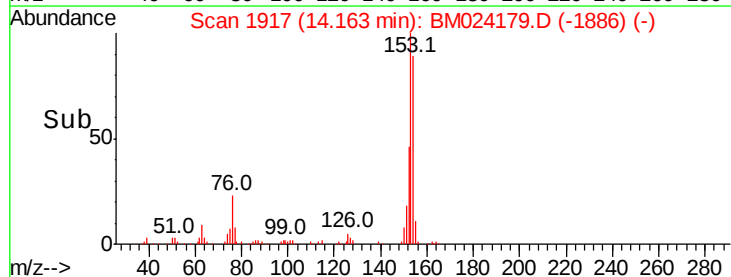
154 89.0 71.1 106.7

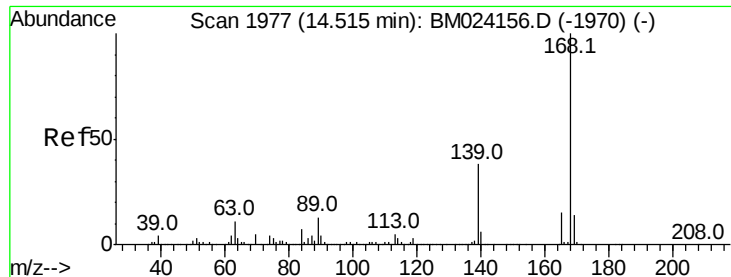


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 2.147 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

Instrument :

BNA_M

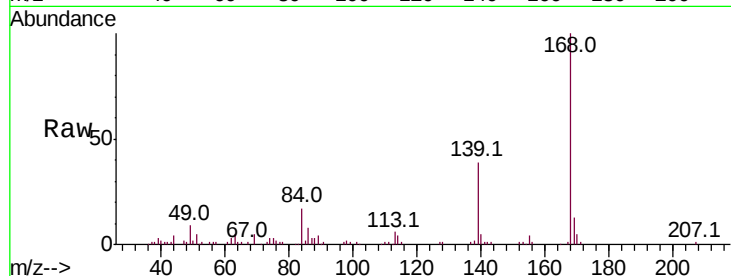
ClientSampleId :

Tot Ion:168 Resp: 131481

Ion Ratio Lower Upper

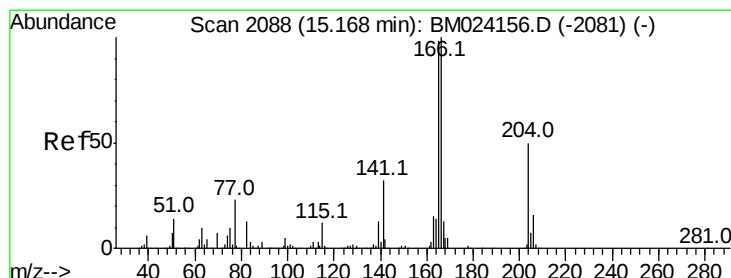
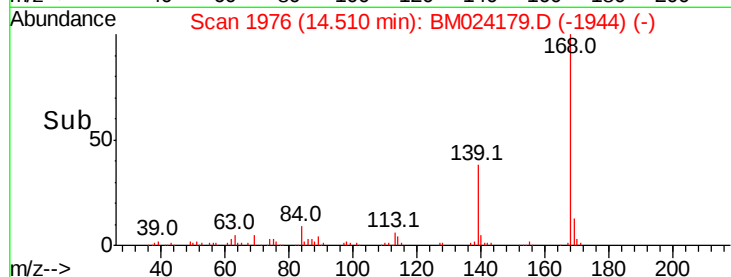
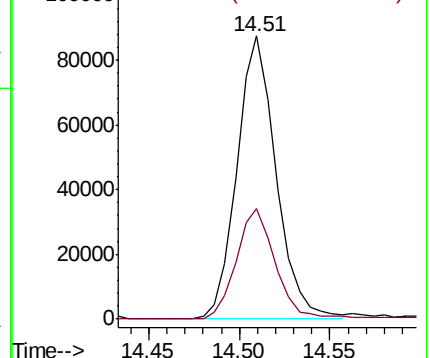
168 100

139 38.9 30.4 45.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 4.772 ng/ul

RT: 15.16 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

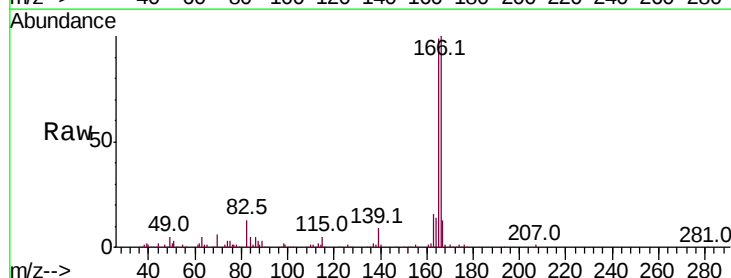
Tgt Ion:166 Resp: 246829

Ion Ratio Lower Upper

166 100

165 99.1 78.3 117.5

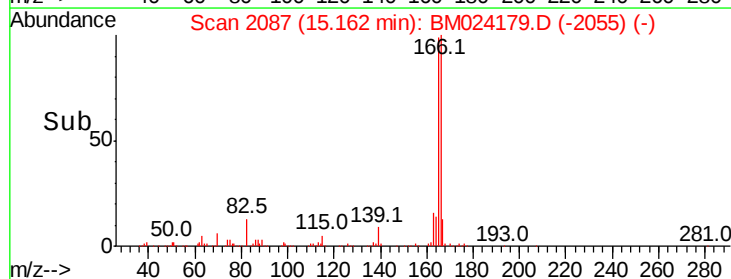
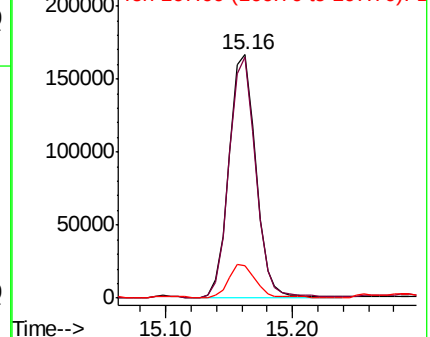
167 13.5 10.4 15.6

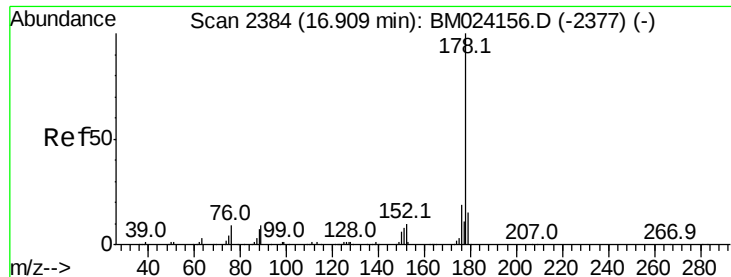


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 39.470 ng/ul

RT: 16.90 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

Instrument :

BNA_M

ClientSampleId :

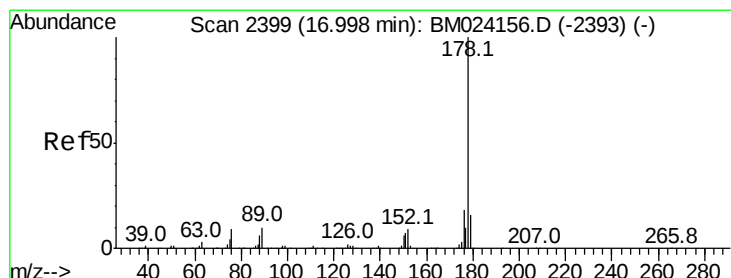
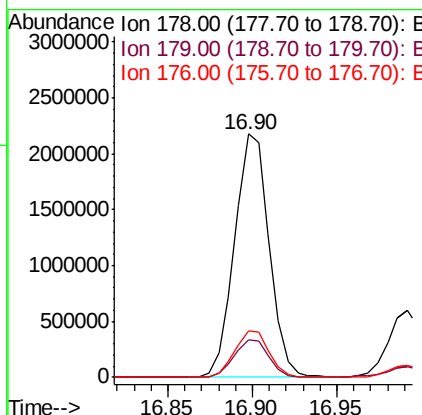
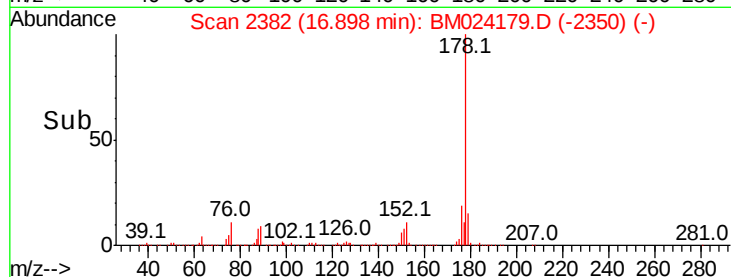
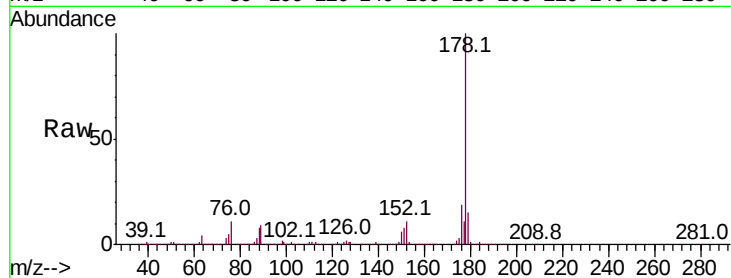
Tot Ion:178 Resp: 3103572

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

176 18.8 15.1 22.7



#72

Anthracene

Concen: 11.080 ng/ul

RT: 16.99 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

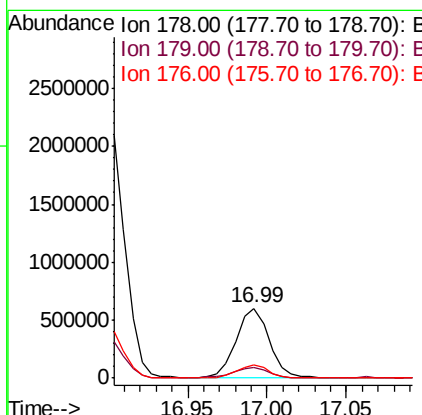
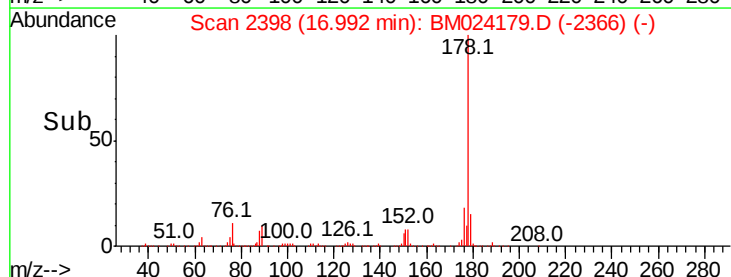
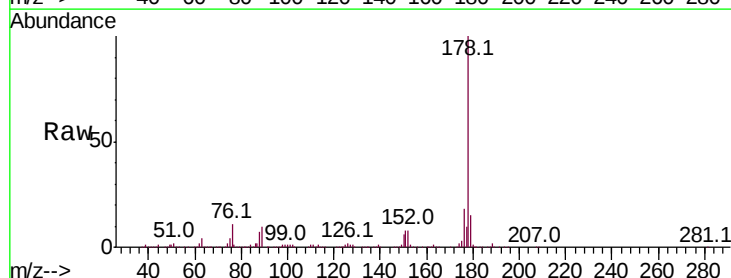
Tgt Ion:178 Resp: 875885

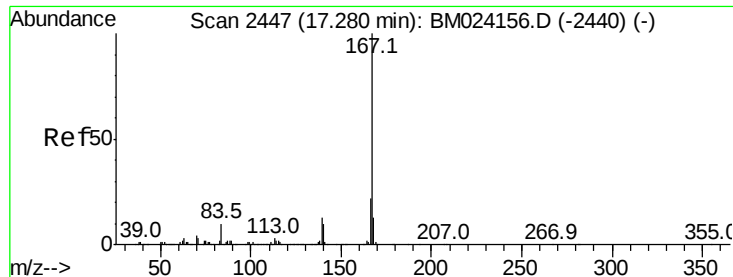
Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

176 18.4 14.7 22.1





#75

Carbazole

Concen: 1.906 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

Instrument :

BNA_M

ClientSampleId :

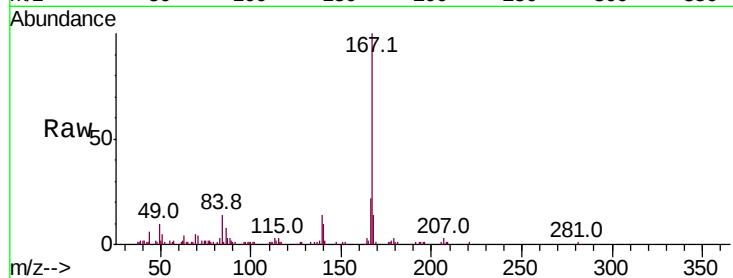
Tot Ion:167 Resp: 129463

Ion Ratio Lower Upper

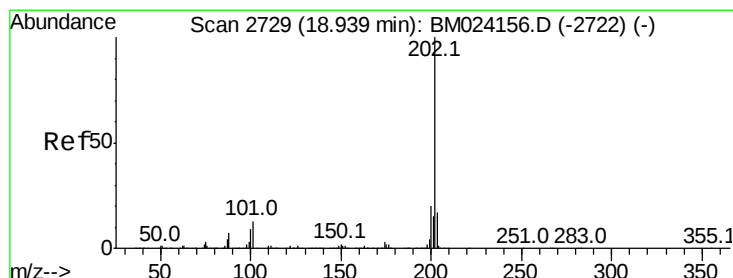
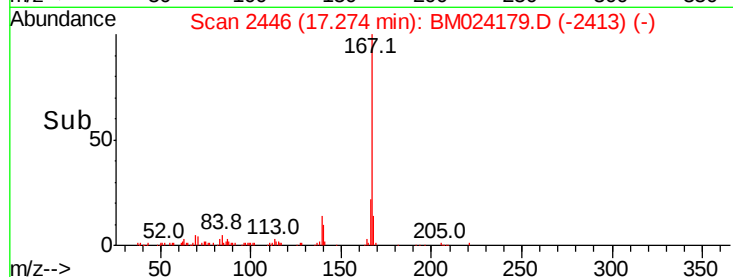
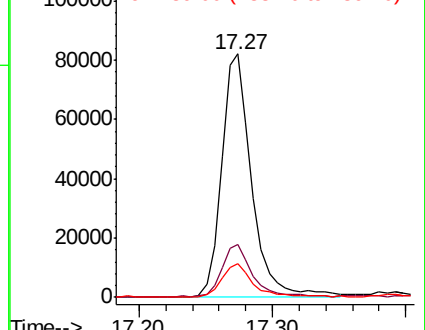
167 100

166 21.9 17.0 25.6

139 13.7 10.3 15.5



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



#77

Fluoranthene

Concen: 54.172 ng/ul

RT: 18.93 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

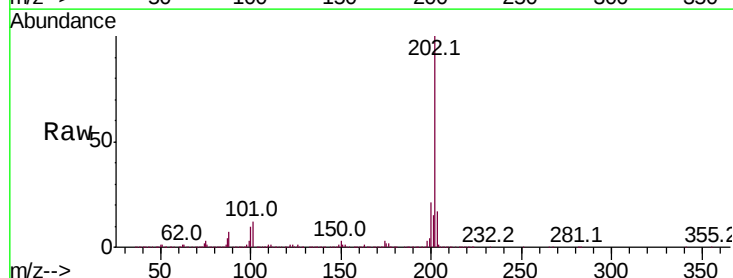
Tgt Ion:202 Resp: 4642689

Ion Ratio Lower Upper

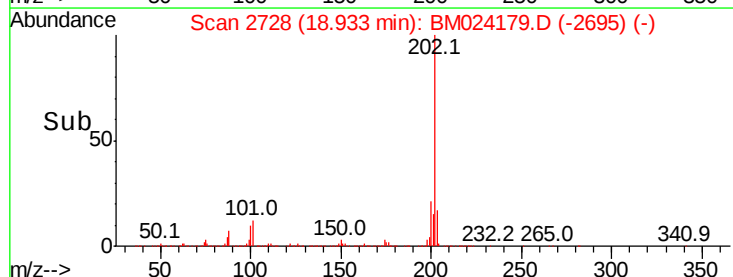
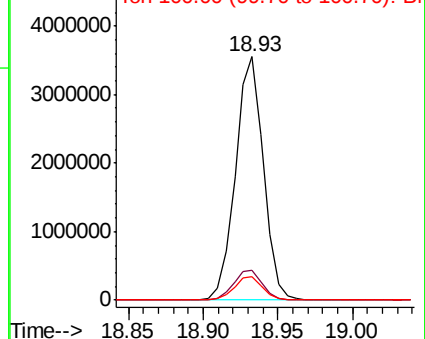
202 100

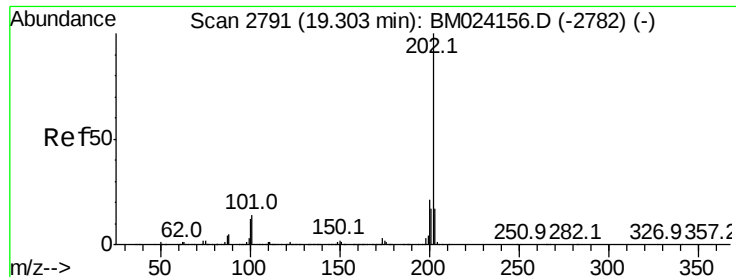
101 12.4 10.6 15.8

100 9.6 8.1 12.1



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

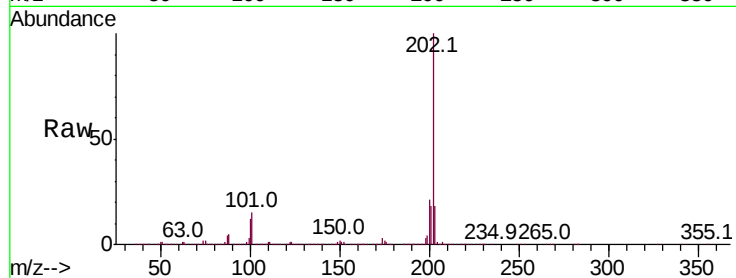




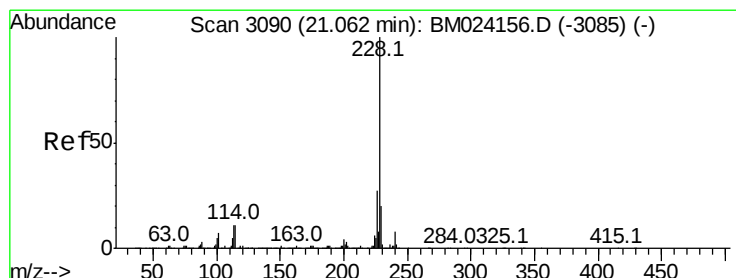
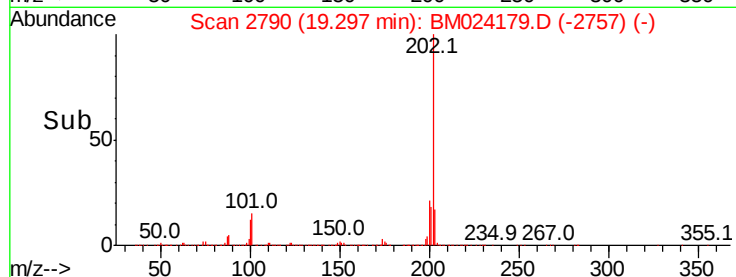
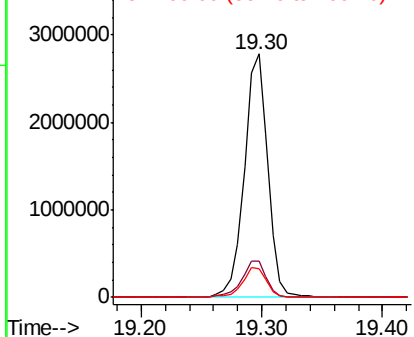
#80
Pvrene
Concen: 43.496 ng/ul
RT: 19.30 min Scan# 2790
Delta R.T. -0.01 min
Lab File: BM024179.D
Acq: 19 Dec 2019 18:11

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 3768584
Ion Ratio Lower Upper
202 100
101 14.7 12.2 18.4
100 11.9 10.0 15.0

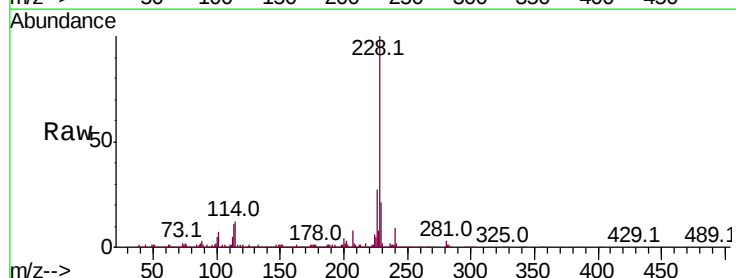


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

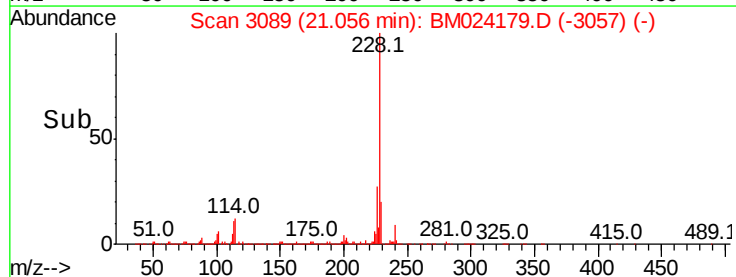
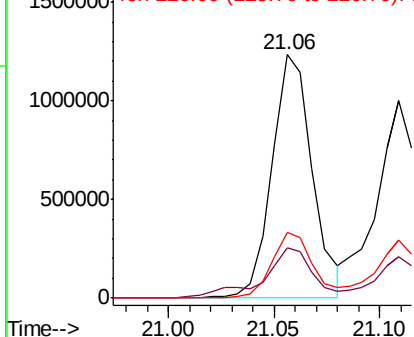


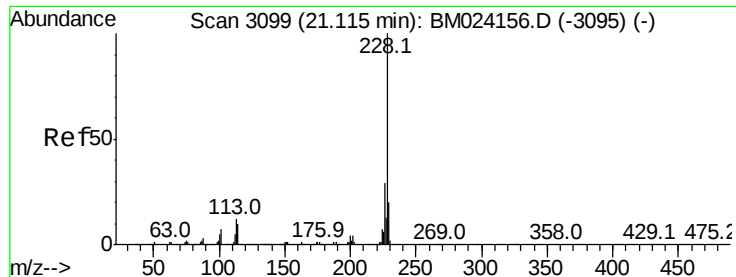
#83
Benzo(a)anthracene
Concen: 19.184 ng/ul
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM024179.D
Acq: 19 Dec 2019 18:11

Tgt Ion:228 Resp: 1622166
Ion Ratio Lower Upper
228 100
229 20.5 15.8 23.8
226 27.2 22.2 33.2



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





#85

Chrysene

Concen: 16.571 ng/ul

RT: 21.11 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

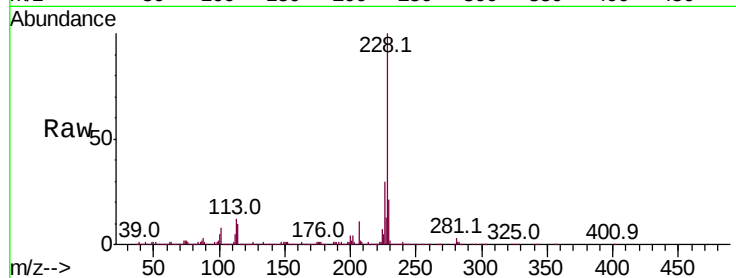
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1373415

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	21.3	15.4	23.2

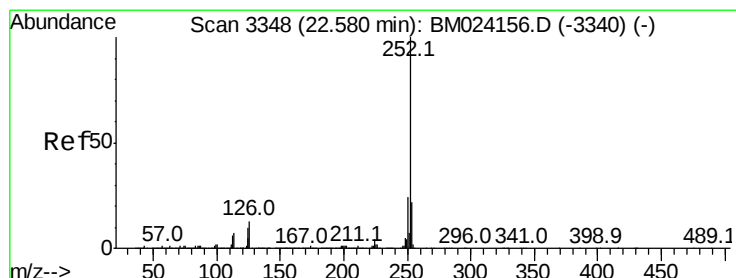
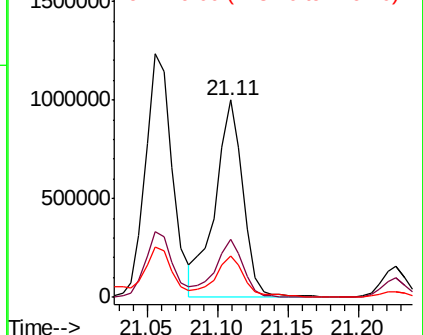
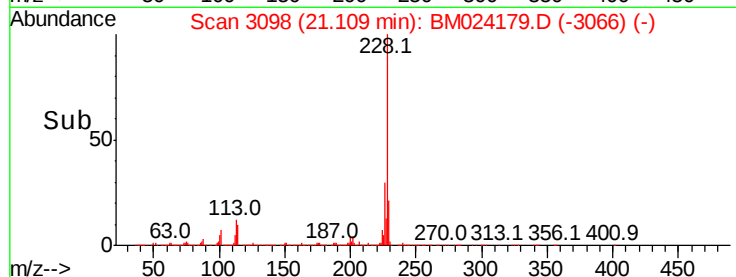


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 19.117 ng/ul

RT: 22.58 min Scan# 3348

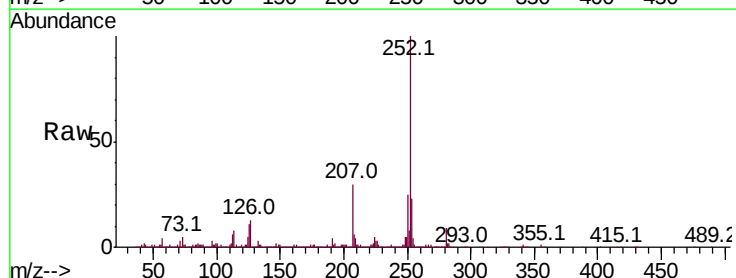
Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

Tgt Ion:252 Resp: 1722862

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	11.3	7.8	11.8

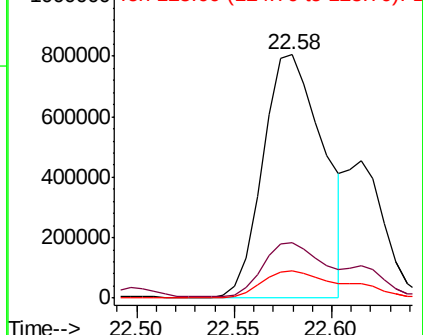
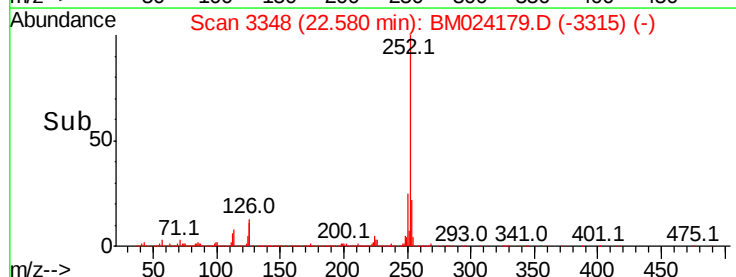


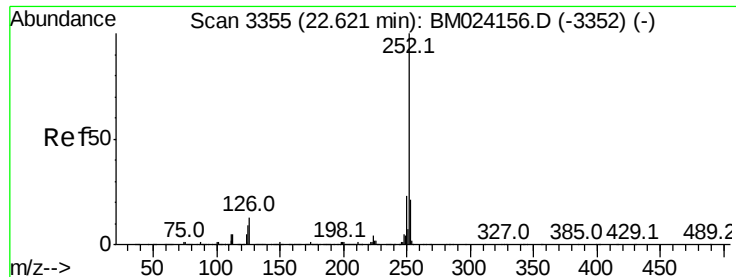
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 19.484 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.05 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

Instrument :

BNA_M

ClientSampleId :

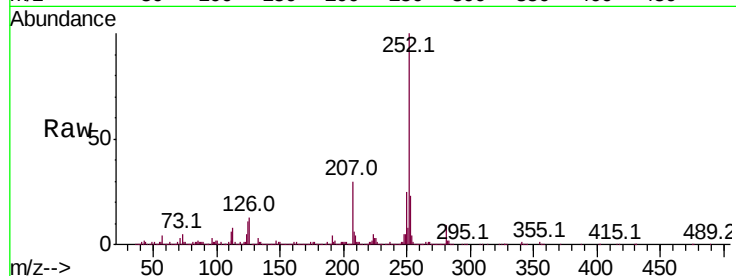
Tot Ion:252 Resp: 1722862

Ion Ratio Lower Upper

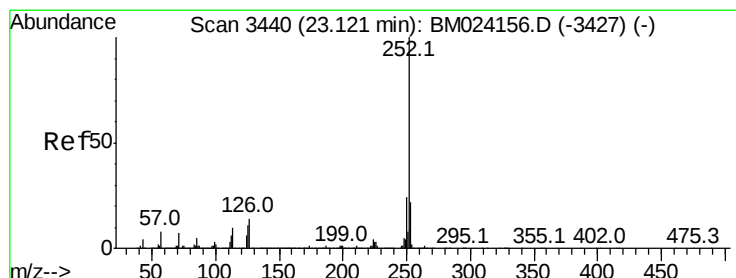
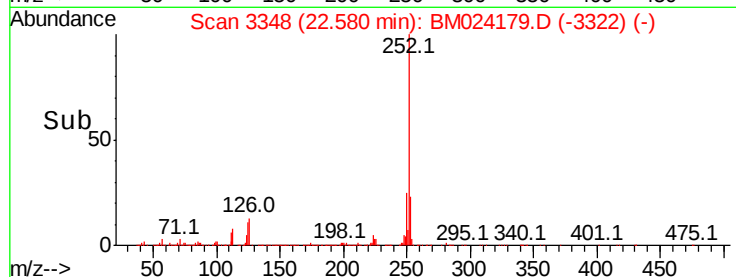
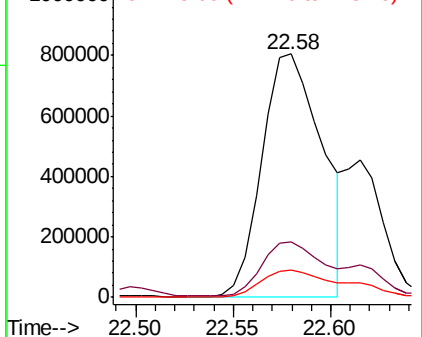
252 100

253 22.9 17.8 26.8

125 11.3 7.9 11.9



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

Benzo(a)pyrene

Concen: 15.724 ng/ul

RT: 23.11 min Scan# 3439

Delta R.T. -0.01 min

Lab File: BM024179.D

Acq: 19 Dec 2019 18:11

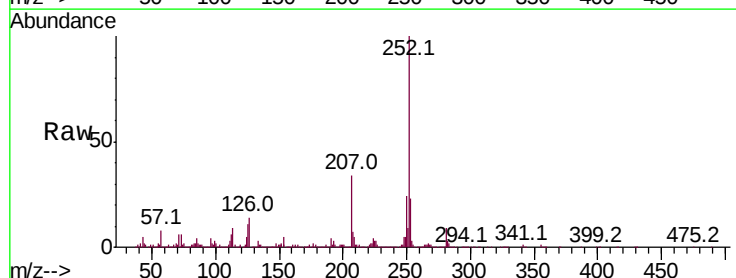
Tgt Ion:252 Resp: 1281947

Ion Ratio Lower Upper

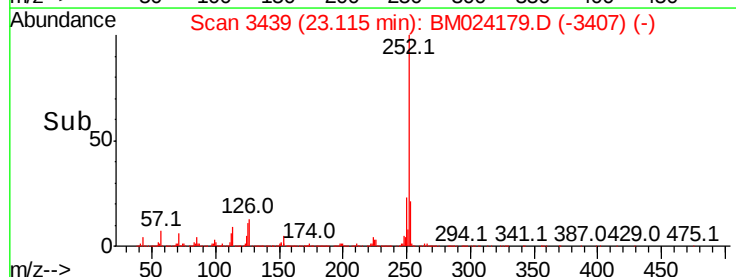
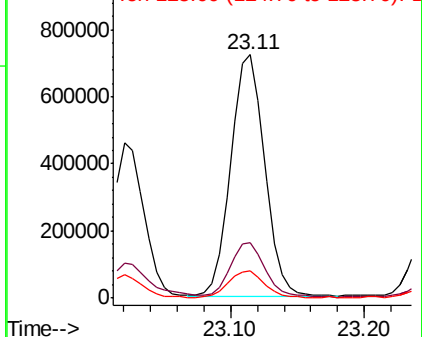
252 100

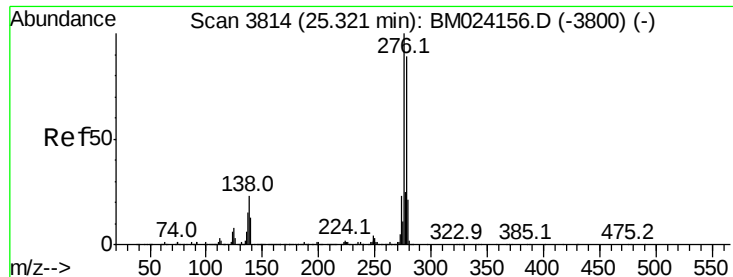
253 22.7 17.5 26.3

125 11.2 8.2 12.4



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

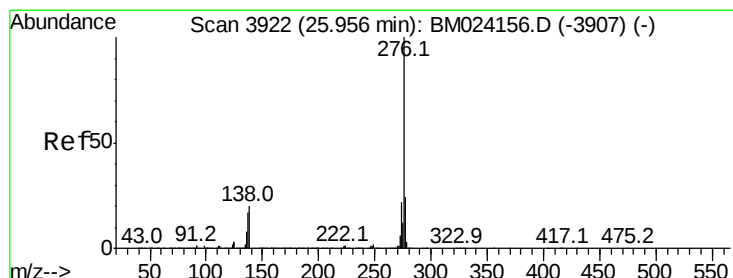
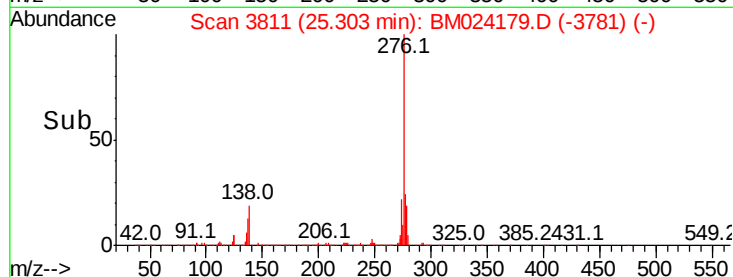
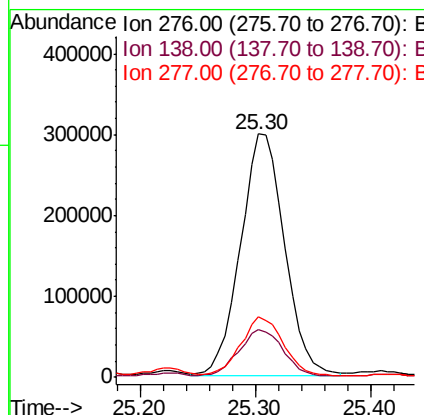
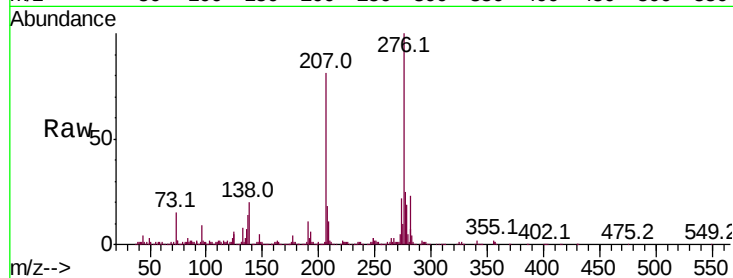




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 8.087 ng/ul
 RT: 25.30 min Scan# 3811
 Delta R.T. -0.02 min
 Lab File: BM024179.D
 Acq: 19 Dec 2019 18:11

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.3	27.5
277	24.8	20.2	30.2



#94
 Benzo(g,h,i)perylene
 Concen: 9.141 ng/ul
 RT: 25.94 min Scan# 3920
 Delta R.T. -0.02 min
 Lab File: BM024179.D
 Acq: 19 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	15.3	22.9
277	25.3	19.3	28.9

