

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101919\
 Data File : BM023282.D
 Acq On : 19 Oct 2019 11:31
 Operator : JU
 Sample : K5262-18DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB79DL

Quant Time: Oct 19 23:37:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 19 23:34:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	399092	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1545271	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	922347	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1861572	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	1984851	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	2425079	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	2755	0.30	ng/uL	0.01
5) Phenol-d5	6.83	99	46400	1.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	29895	1.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	37172	1.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	33117	1.19	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	16429	1.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	15624	1.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	33804	1.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	22698	0.74	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	114316	1.62	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	123703	1.49	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	7086	0.62	ng/ul	0.00
58) Fluorene-d10	15.29	176	105757	1.76	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	5518	0.75	ng/ul	0.00
71) Anthracene-d10	17.14	188	165729	1.85	ng/ul	0.00
79) Pyrene-d10	19.44	212	192478	2.00	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	233028	1.90	ng/ul	0.00

Target Compounds

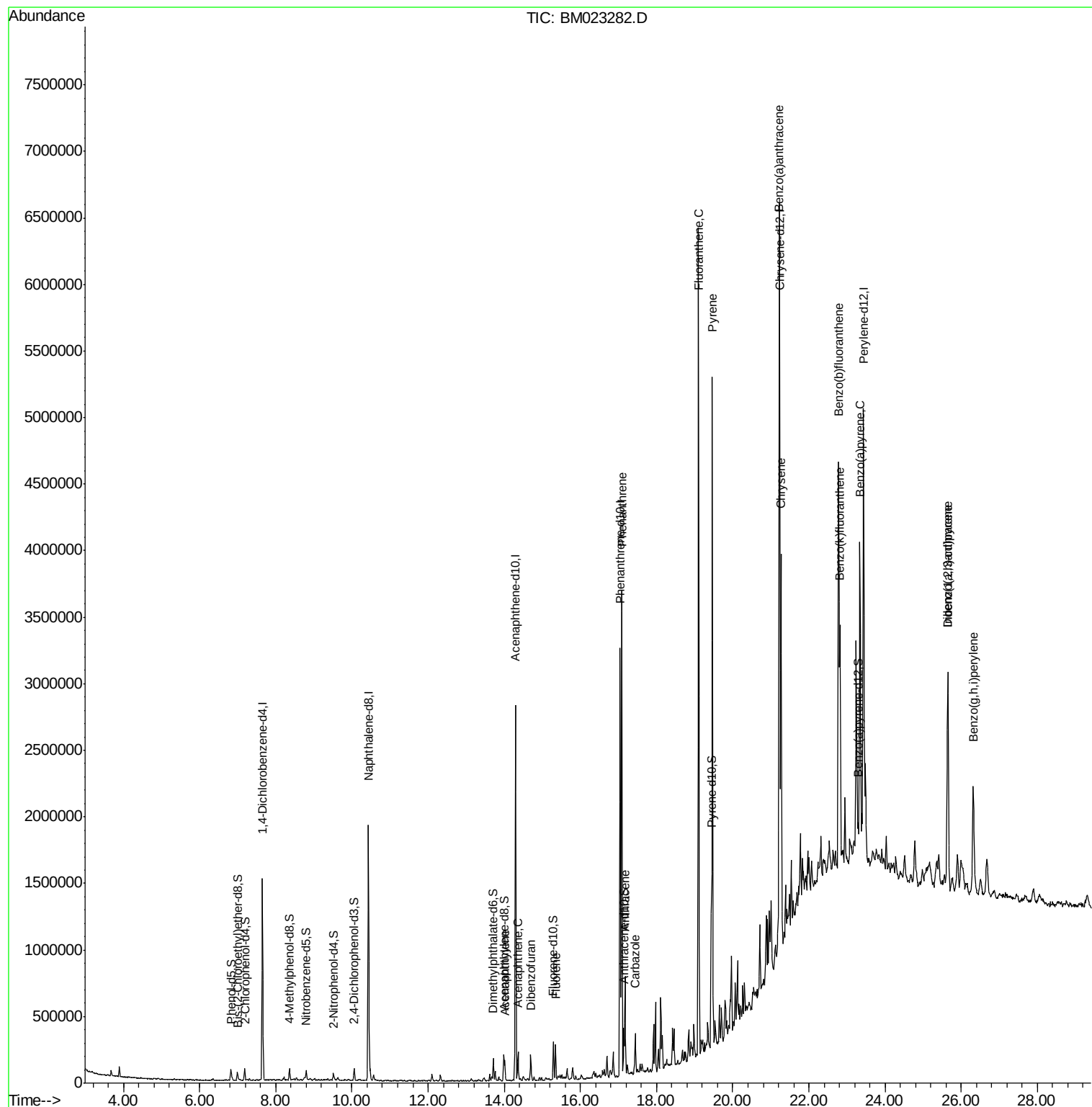
					Ovalue
48) Acenaphthylene	14.02	152	104616	1.234	ng/ul 97
50) Acenaphthene	14.36	153	84151	1.426	ng/ul 95
54) Dibenzofuran	14.70	168	106874	1.276	ng/ul 100
59) Fluorene	15.34	166	110143	1.602	ng/ul 96
70) Phenanthrene	17.09	178	2175150	20.820	ng/ul 99
72) Anthracene	17.17	178	462160	4.281	ng/ul 99
75) Carbazole	17.44	167	194022	2.012	ng/ul 99
77) Fluoranthene	19.10	202	3626790	29.190	ng/ul 100
80) Pyrene	19.47	202	3093282	24.877	ng/ul 100
83) Benzo(a)anthracene	21.22	228	1760427	13.090	ng/ul 98
85) Chrysene	21.27	228	1627919	13.036	ng/ul 97
88) Benzo(b)fluoranthene	22.78	252	2633441	17.910	ng/ul 98
89) Benzo(k)fluoranthene	22.82	252	824058	5.837	ng/ul 96
91) Benzo(a)pyrene	23.34	252	1843303	13.067	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.64	276	1442437	8.595	ng/ul 98
93) Dibenz(a,h)anthracene	25.65	278	367710	2.621	ng/ul# 90
94) Benzo(g,h,i)perylene	26.31	276	1022748	7.402	ng/ul 100

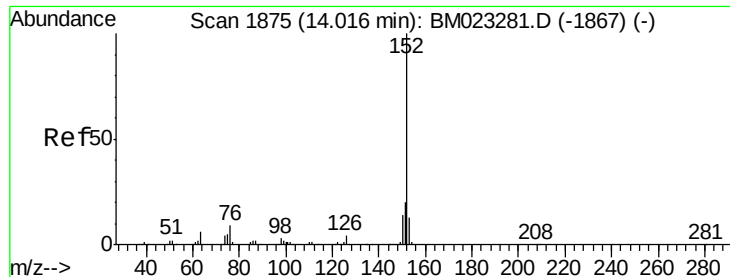
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 19 23:34:34 2019
Response via : Initial Calibration





#48

Acenaphthylene

Concen: 1.234 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

Instrument :

BNA_M

ClientSampleId :

BFB79DL

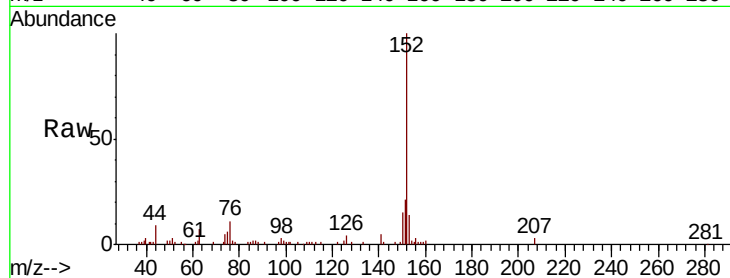
Tot Ion:152 Resp: 104616

Ion Ratio Lower Upper

152 100

151 20.9 15.8 23.6

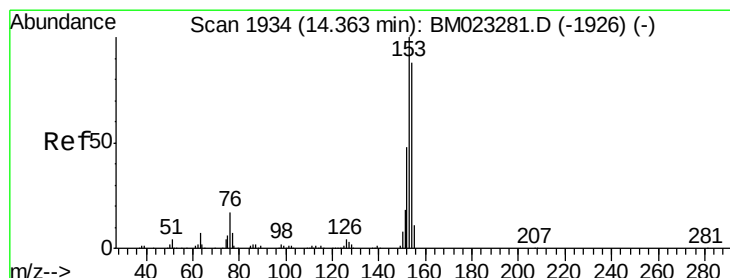
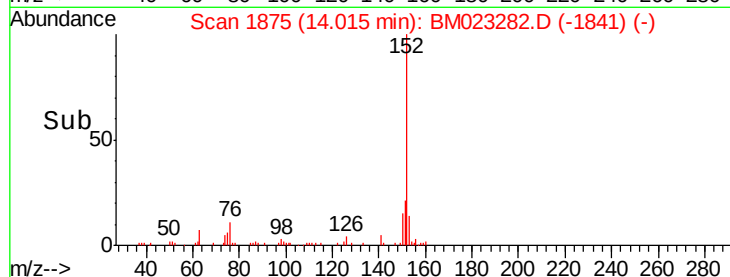
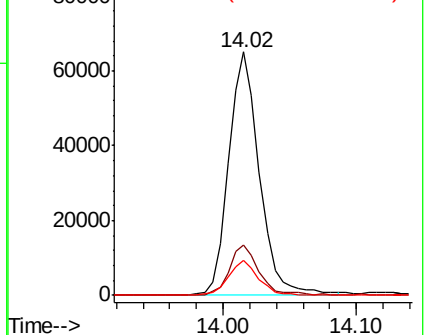
153 14.2 10.3 15.5



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



#50

Acenaphthene

Concen: 1.426 ng/ul

RT: 14.36 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

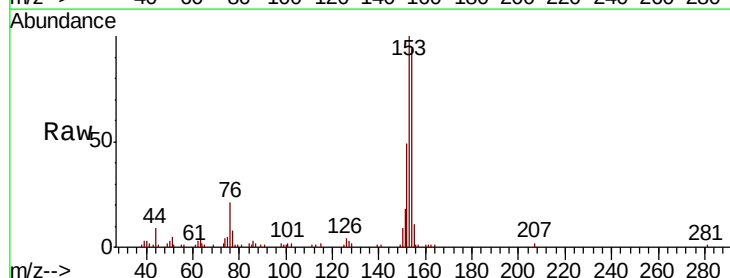
Tgt Ion:153 Resp: 84151

Ion Ratio Lower Upper

153 100

152 49.4 38.0 57.0

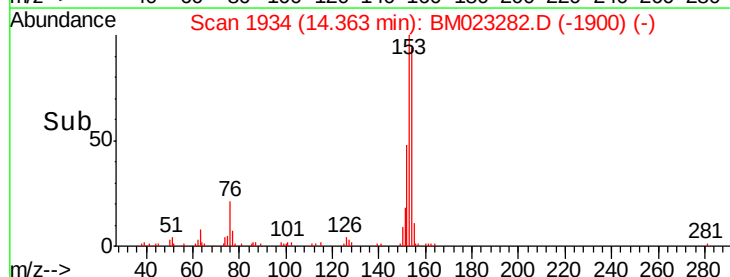
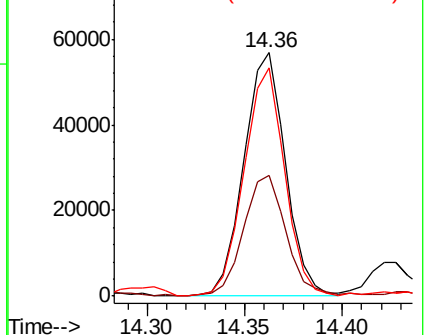
154 93.6 70.4 105.6

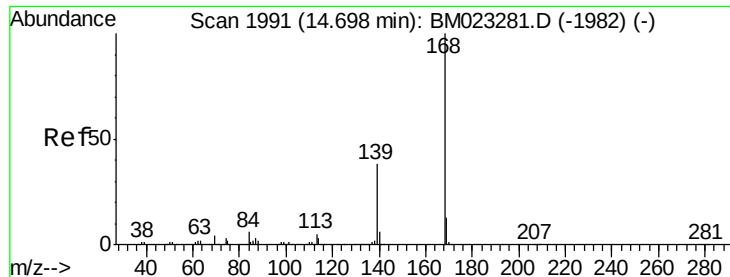


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.276 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

Instrument :

BNA_M

ClientSampleId :

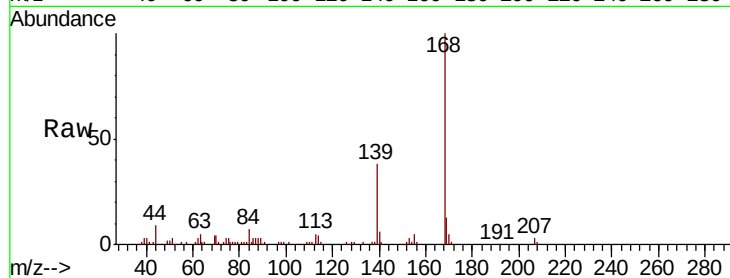
BFB79DL

Tot Ion:168 Resp: 106874

Ion Ratio Lower Upper

168 100

139 37.7 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

80000

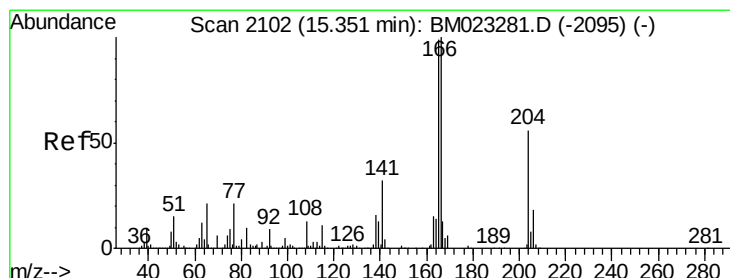
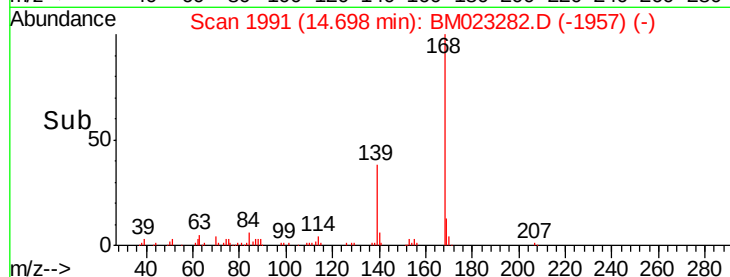
60000

40000

20000

0

Time--> 14.65 14.70 14.75



#59

Fluorene

Concen: 1.602 ng/ul

RT: 15.34 min Scan# 2101

Delta R.T. -0.01 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

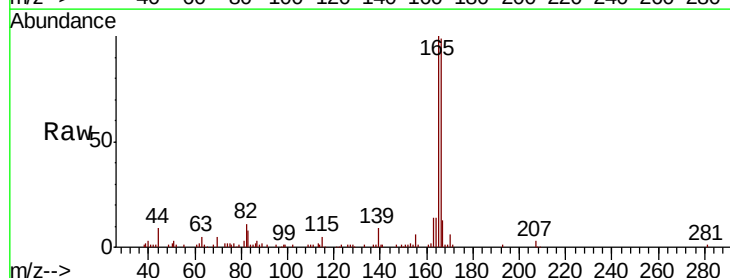
Tgt Ion:166 Resp: 110143

Ion Ratio Lower Upper

166 100

165 100.9 77.4 116.0

167 13.2 10.8 16.2



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

100000

80000

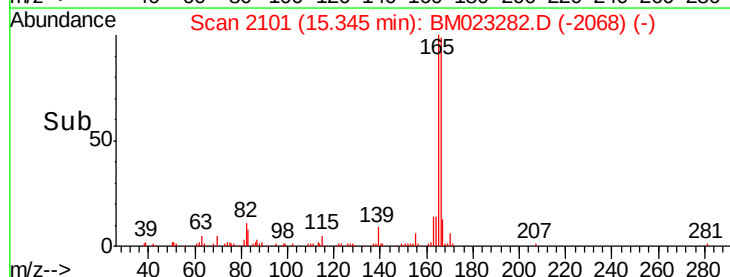
60000

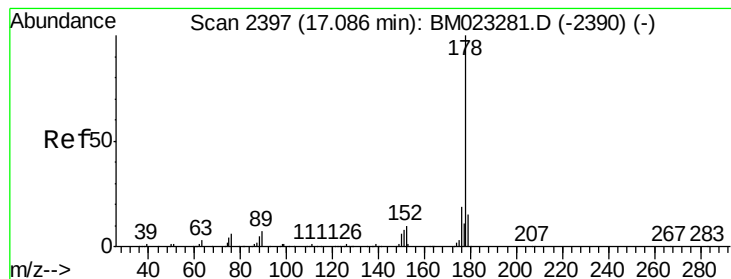
40000

20000

0

Time--> 15.30 15.35 15.40





#70

Phenanthrene

Concen: 20.820 ng/ul

RT: 17.09 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

Instrument :

BNA_M

ClientSampleId :

BFB79DL

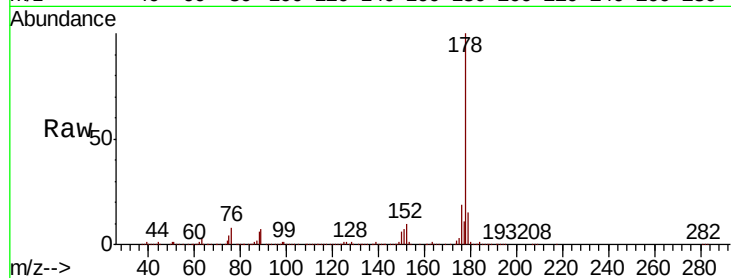
Tot Ion:178 Resp: 2175150

Ion Ratio Lower Upper

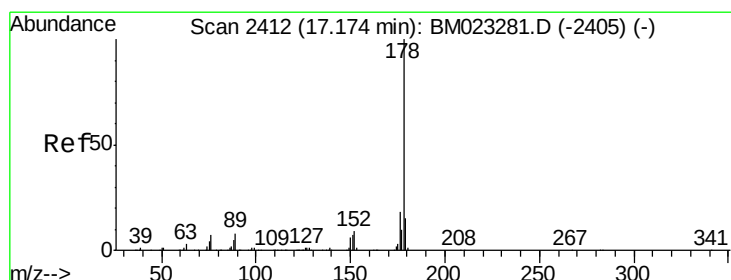
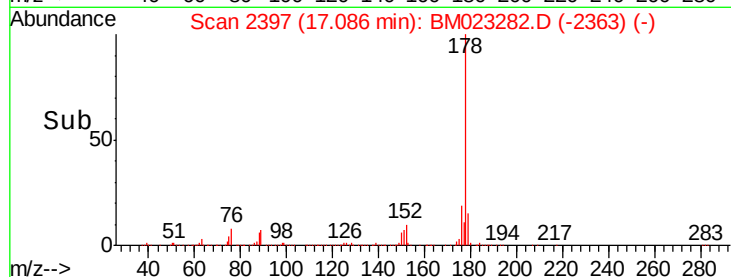
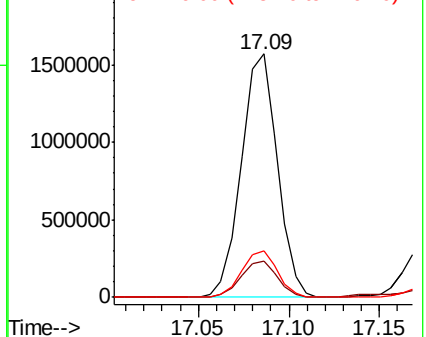
178 100

179 15.1 12.3 18.5

176 19.0 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



#72

Anthracene

Concen: 4.281 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

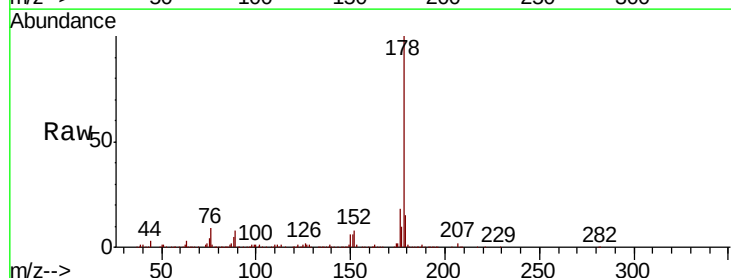
Tgt Ion:178 Resp: 462160

Ion Ratio Lower Upper

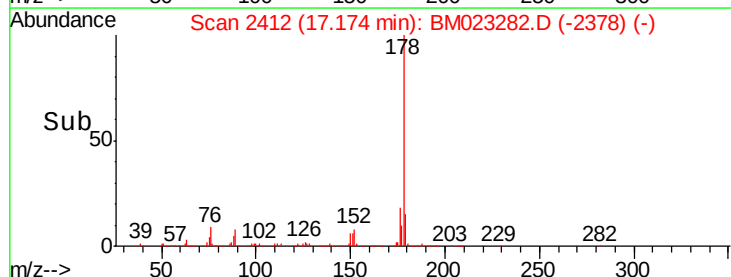
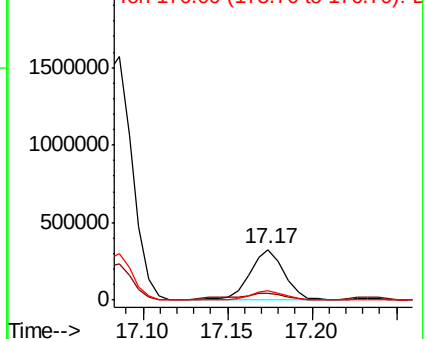
178 100

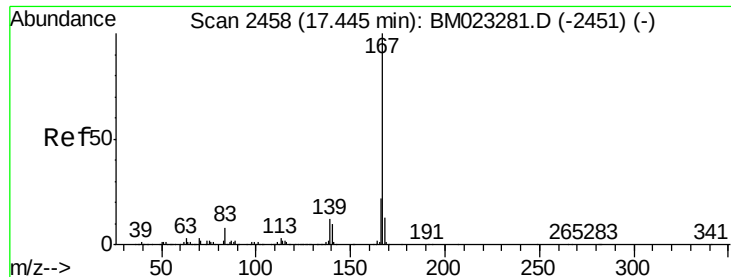
179 14.6 12.3 18.5

176 18.3 15.0 22.4



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





#75

Carbazole

Concen: 2.012 ng/ul

RT: 17.44 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

Instrument :

BNA_M

ClientSampleId :

BFB79DL

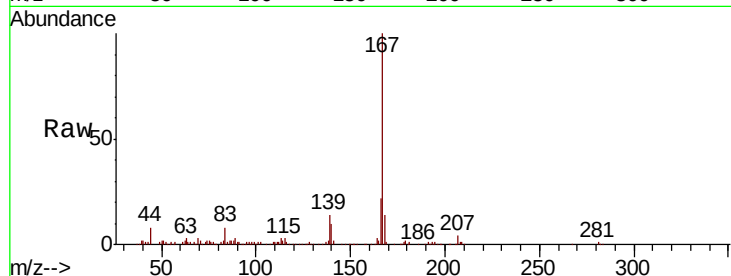
Tot Ion:167 Resp: 194022

Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

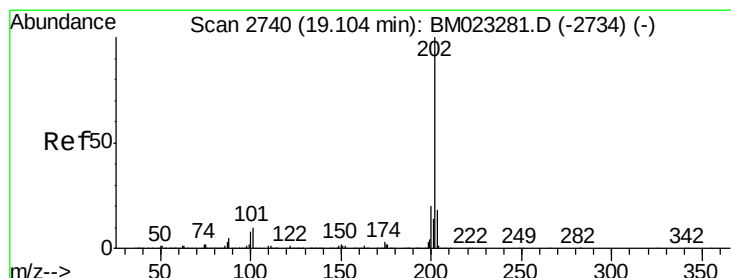
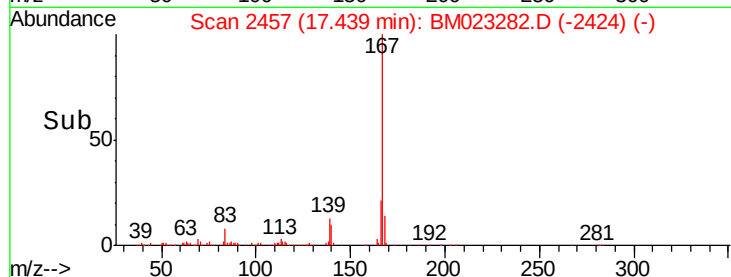
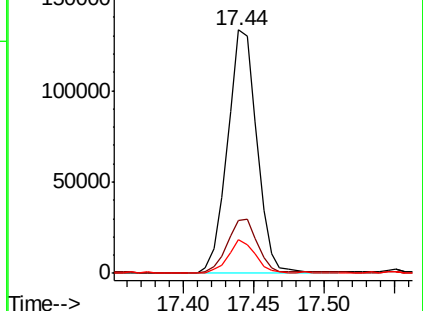
139 13.8 10.2 15.2



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: 29.190 ng/ul

RT: 19.10 min Scan# 2740

Delta R.T. -0.00 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

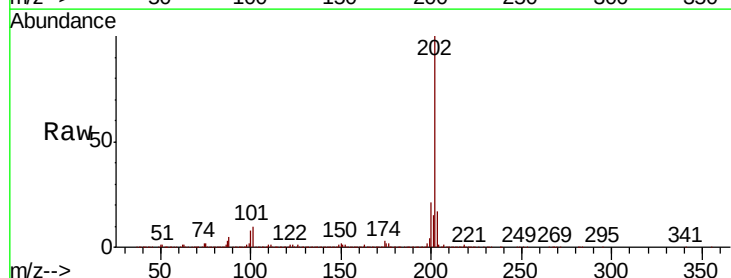
Tgt Ion:202 Resp: 3626790

Ion Ratio Lower Upper

202 100

101 9.8 7.8 11.8

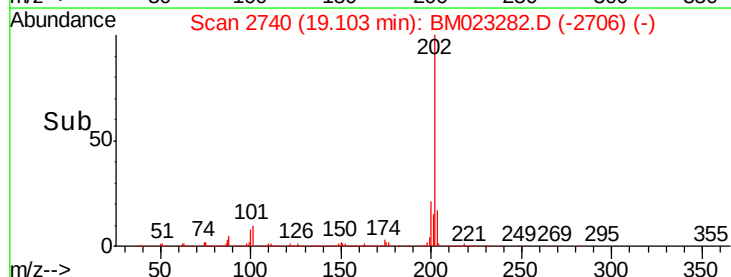
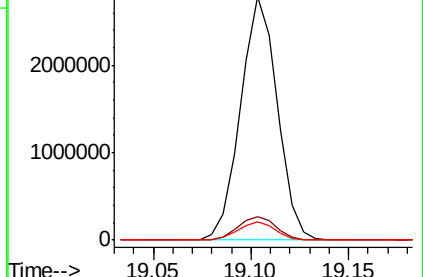
100 7.6 6.1 9.1

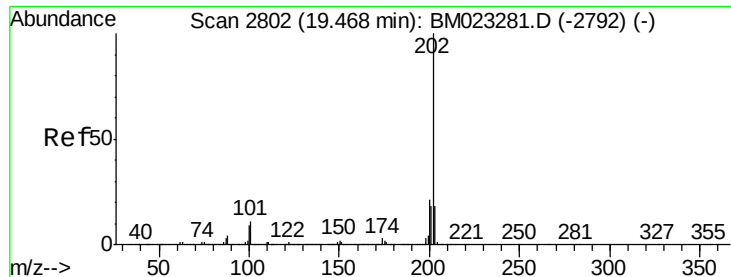


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

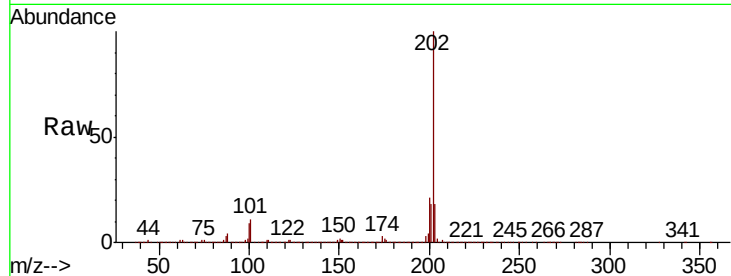




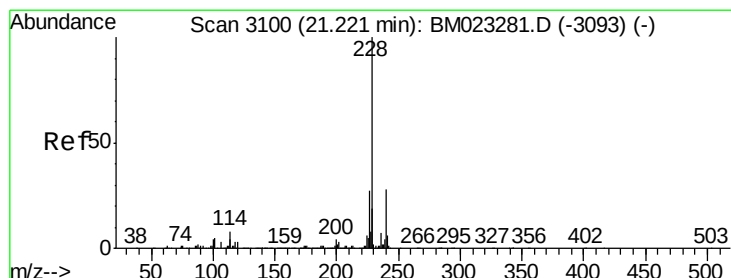
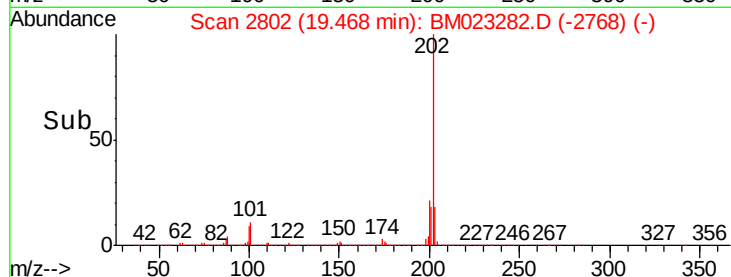
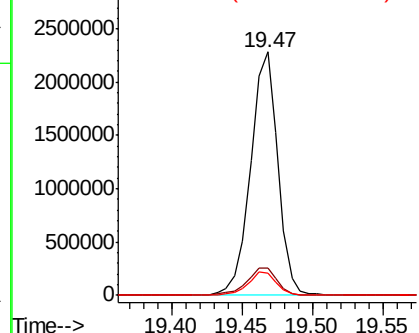
#80
Pvrene
Concen: 24.877 ng/ul
RT: 19.47 min Scan# 2802
Delta R.T. -0.00 min
Lab File: BM023282.D
Acq: 19 Oct 2019 11:31

Instrument :
BNA_M
ClientSampleId :
BFB79DL

Tot Ion:202 Resp: 3093282
Ion Ratio Lower Upper
202 100
101 11.4 9.1 13.7
100 9.3 7.5 11.3

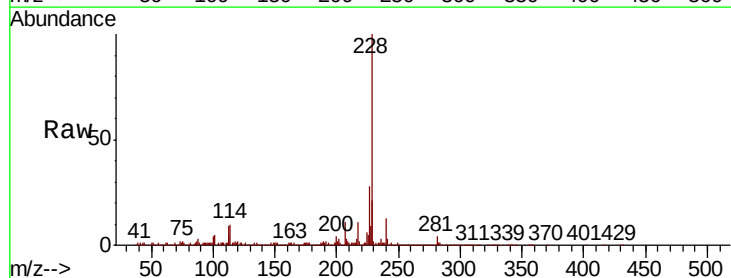


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

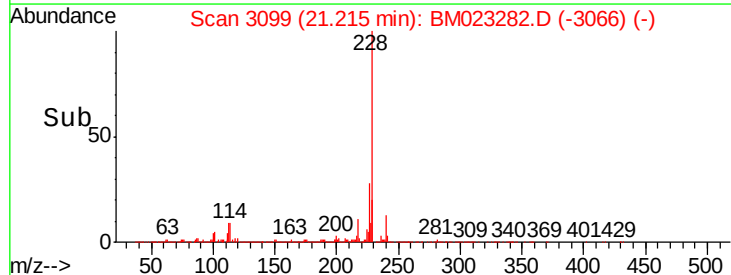
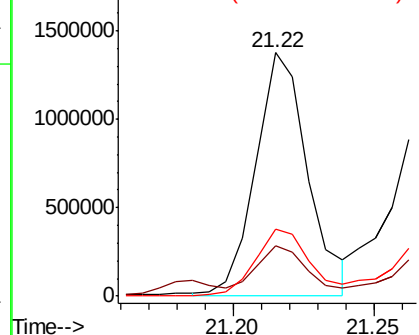


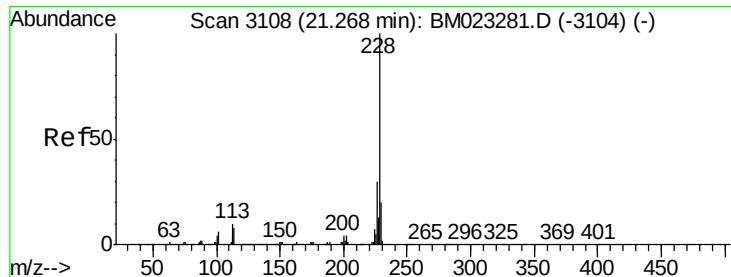
#83
Benzo(a)anthracene
Concen: 13.090 ng/ul
RT: 21.22 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM023282.D
Acq: 19 Oct 2019 11:31

Tgt Ion:228 Resp: 1760427
Ion Ratio Lower Upper
228 100
229 20.7 15.7 23.5
226 27.7 21.6 32.4



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: 13.036 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. -0.00 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

Instrument :

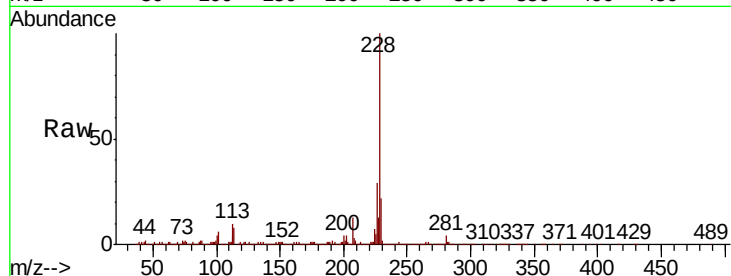
BNA_M

ClientSampleId :

BFB79DL

Tot Ion:228 Resp: 1627919

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.8	35.6
229	22.1	15.5	23.3

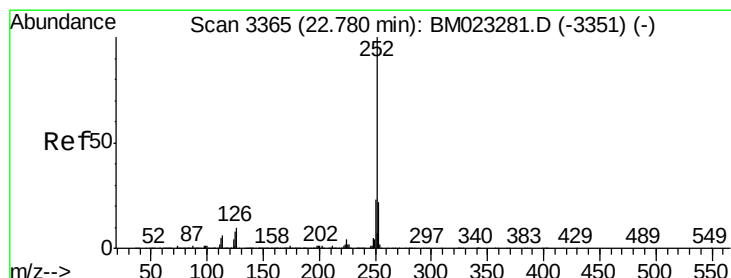
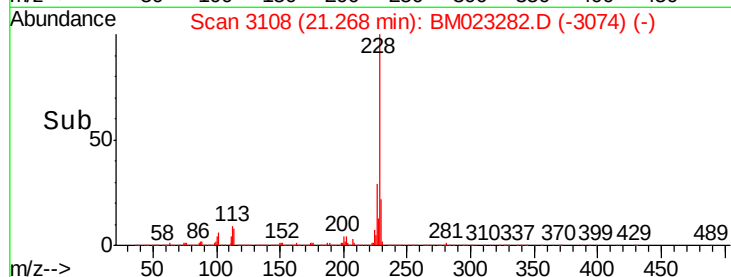
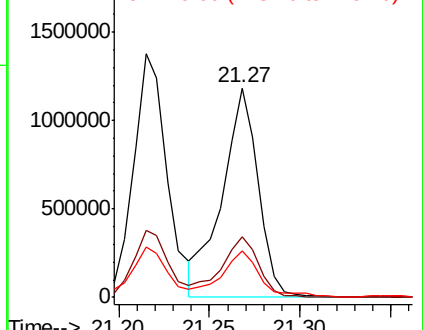


Abundance

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: 17.910 ng/ul

RT: 22.78 min Scan# 3365

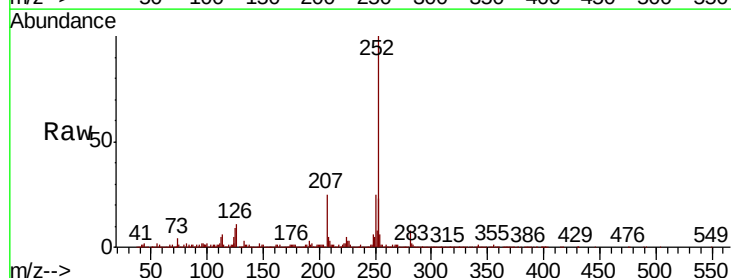
Delta R.T. -0.00 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

Tgt Ion:252 Resp: 2633441

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	9.2	6.4	9.6

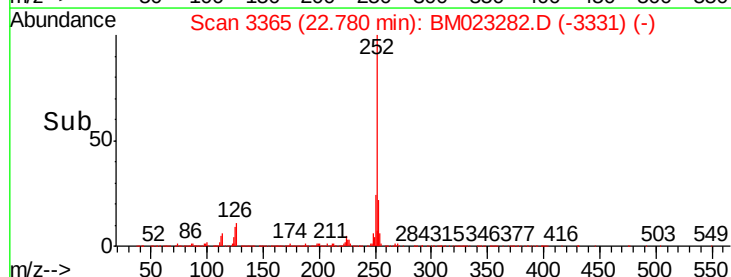
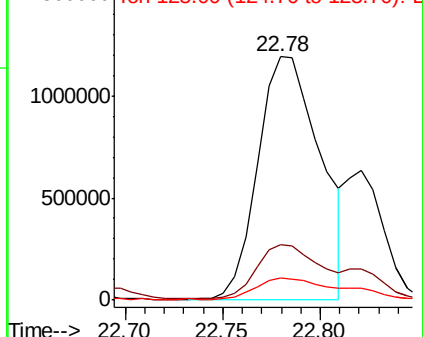


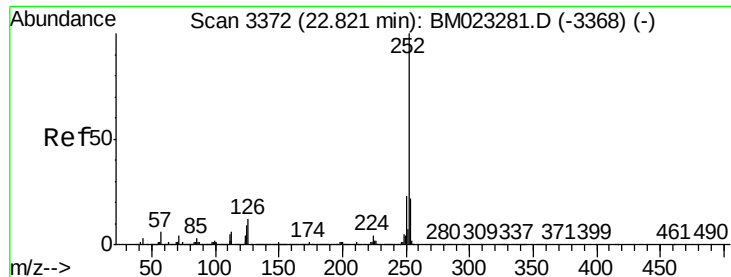
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 5.837 ng/ul

RT: 22.82 min Scan# 3372

Delta R.T. -0.00 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

Instrument :

BNA_M

ClientSampleId :

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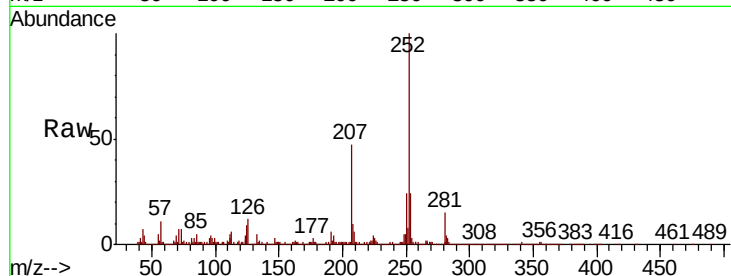
Tot Ion:252 Resp: 824058

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

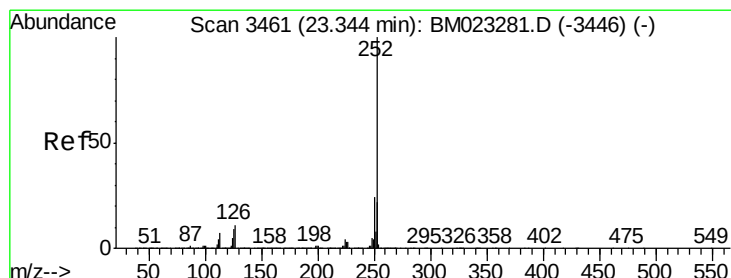
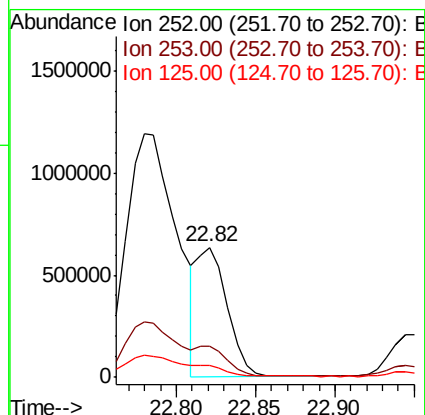
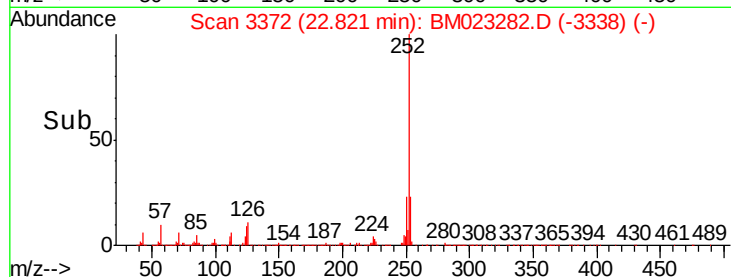
125 9.2 6.5 9.7



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: 13.067 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

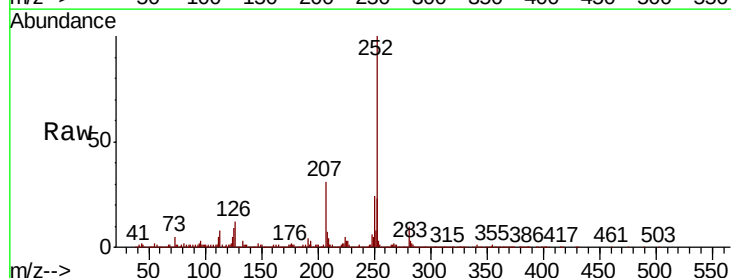
Tgt Ion:252 Resp: 1843303

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

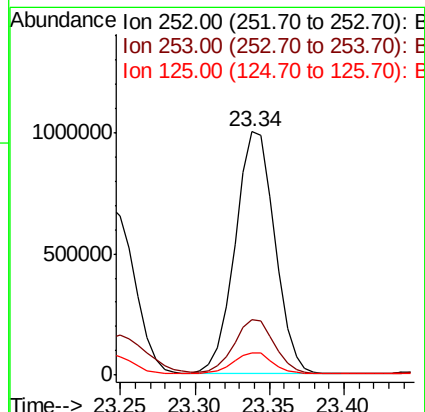
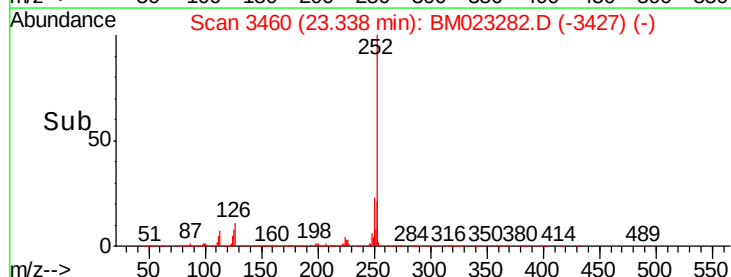
125 9.0 7.4 11.0

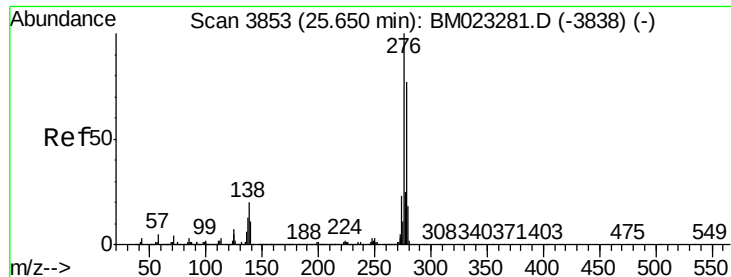


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



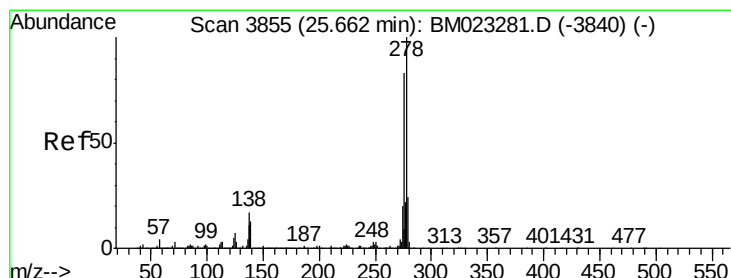
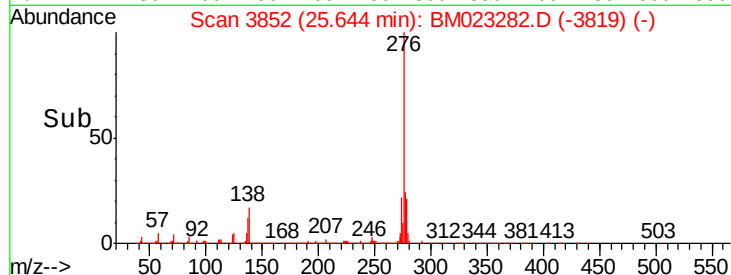
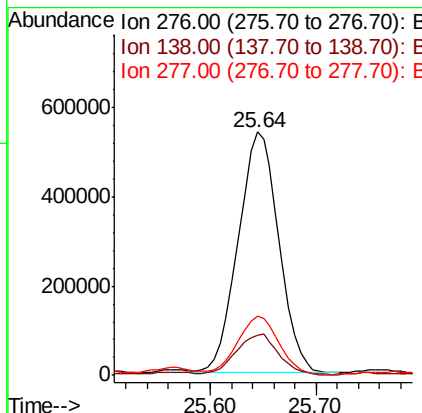
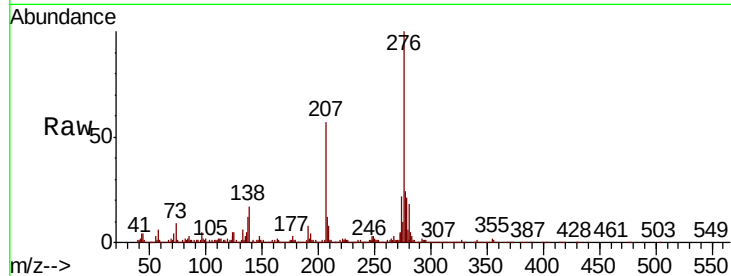


#92

Indeno(1,2,3-cd)pyrene
Concen: 8.595 ng/ul
RT: 25.64 min Scan# 3852
Delta R.T. -0.01 min
Lab File: BM023282.D
Acq: 19 Oct 2019 11:31

Instrument :
BNA_M
ClientSampleId :
BFB79DL

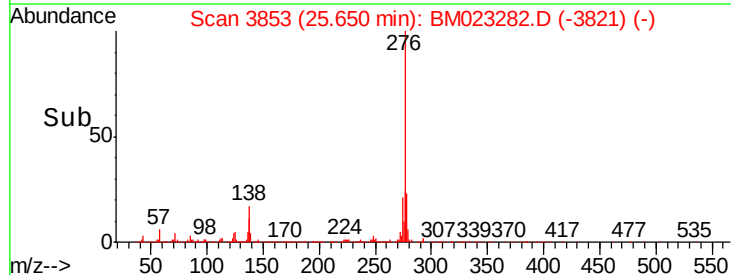
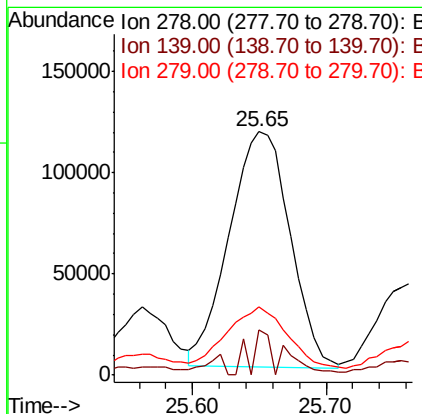
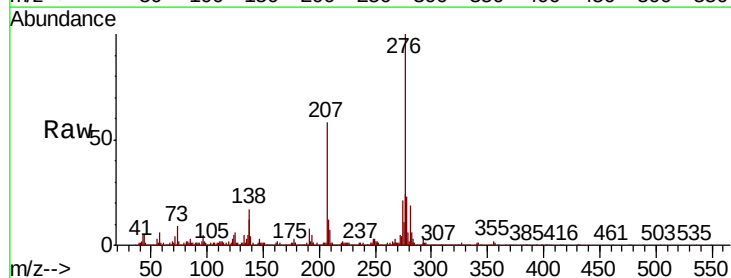
Tot Ion:276 Resp: 1442437
Ion Ratio Lower Upper
276 100
138 16.6 14.9 22.3
277 24.3 19.8 29.8

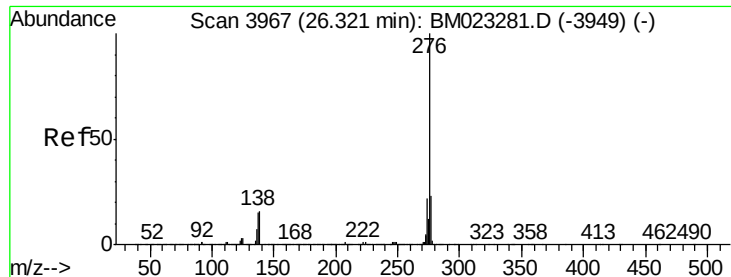


#93

Dibenzo(a,h)anthracene
Concen: 2.621 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. -0.01 min
Lab File: BM023282.D
Acq: 19 Oct 2019 11:31

Tgt Ion:278 Resp: 367710
Ion Ratio Lower Upper
278 100
139 18.7 10.0 15.0#
279 27.9 19.4 29.0





#94

Benzo(a,h,i)perylene

Concen: 7.402 ng/ul

RT: 26.31 min Scan# 3966

Delta R.T. -0.01 min

Lab File: BM023282.D

Acq: 19 Oct 2019 11:31

Instrument :

BNA_M

ClientSampleId :

BFB79DL

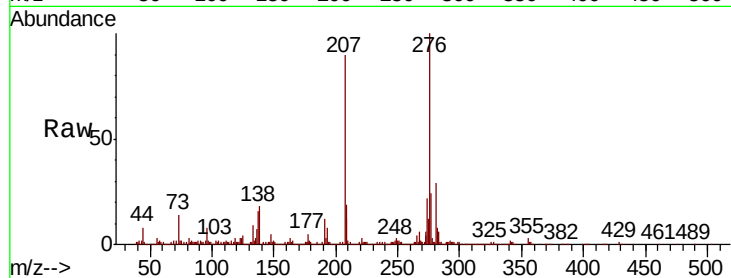
Tot Ion:276 Resp: 1022748

Ion Ratio Lower Upper

276 100

138 17.6 14.4 21.6

277 24.2 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

