

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043964.D
 Acq On : 7 Jan 2020 21:30
 Operator : JU
 Sample : L1037-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPARTA-FINES

Quant Time: Jan 08 03:04:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

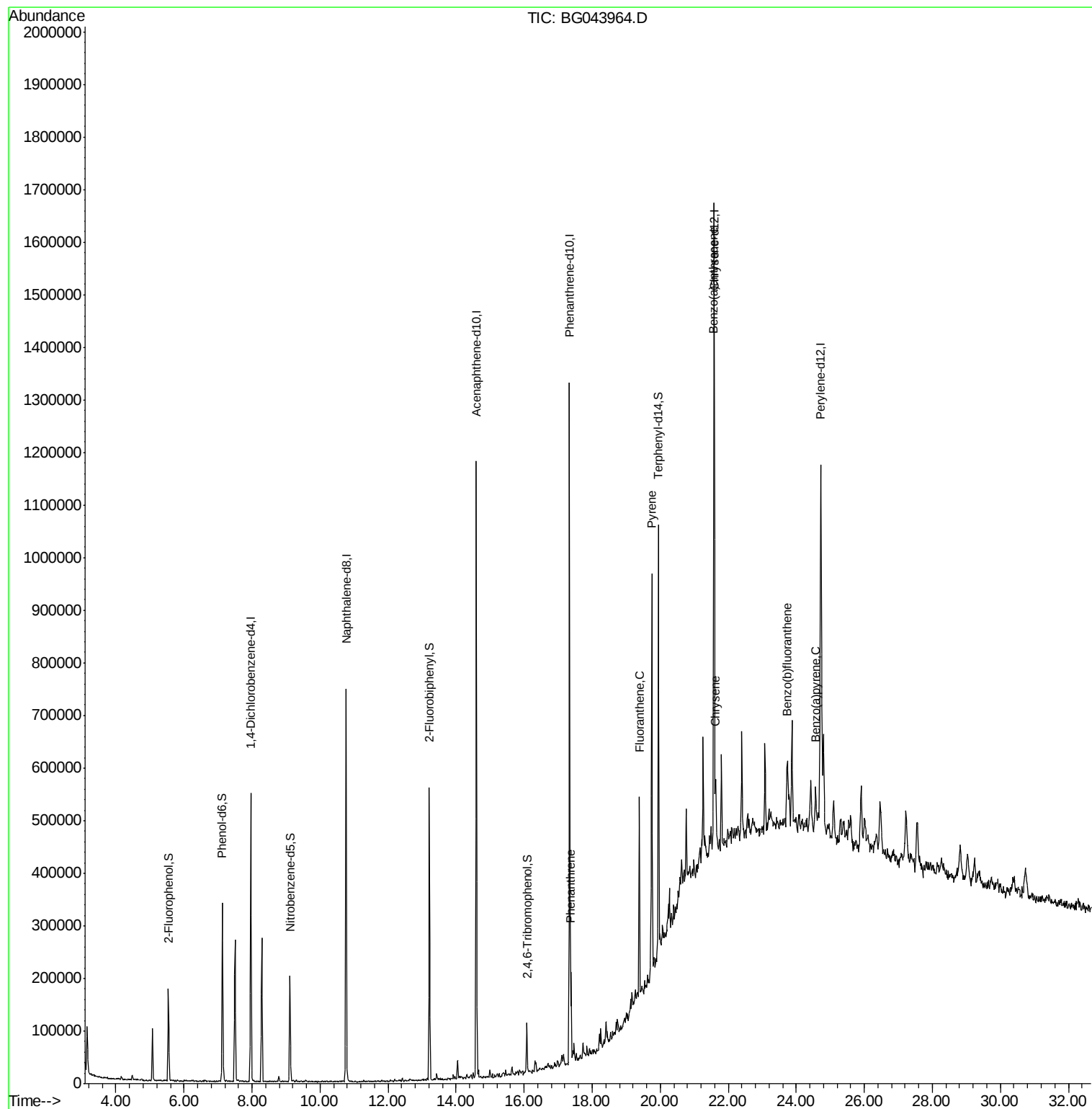
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	159226	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	674760	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	413702	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	794201	20.00	ng	0.00
76) Chrysene-d12	21.59	240	645834	20.00	ng	0.00
87) Perylene-d12	24.72	264	728735	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	85587	9.87	ng	0.00
7) Phenol-d6	7.13	99	218328	18.01	ng	0.00
23) Nitrobenzene-d5	9.12	82	128207	10.16	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	15358	3.55	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	301377	13.20	ng	0.00
79) Terphenyl-d14	19.95	244	387575	5.70	ng	0.00
Target Compounds						
71) Phenanthrene	17.38	178	115468	3.031	ng	93
75) Fluoranthene	19.39	202	219716	5.043	ng	95
78) Pyrene	19.74	202	197711	4.690	ng	92
81) Benzo(a)anthracene	21.57	228	90979	2.272	ng	95
83) Chrysene	21.63	228	99189	2.607	ng	94
88) Benzo(b)fluoranthene	23.73	252	133887	3.108	ng	# 87
90) Benzo(a)pyrene	24.57	252	90190	2.218	ng	# 92

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

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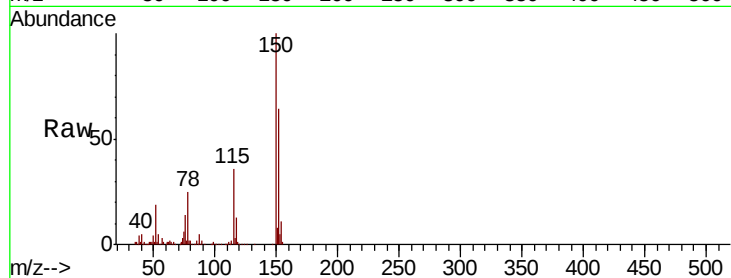


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

Instrument :
BNA_G
ClientSampleId :
SPARTA-FINES

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.0	190.4
115	55.9	47.8	71.8

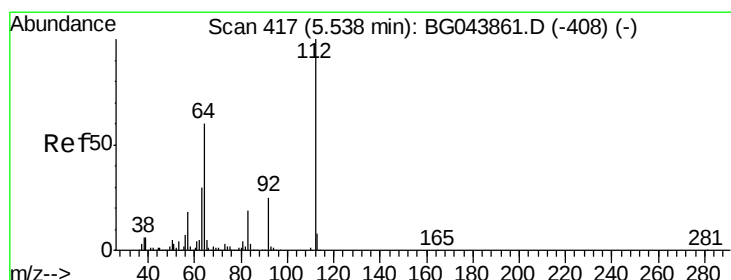
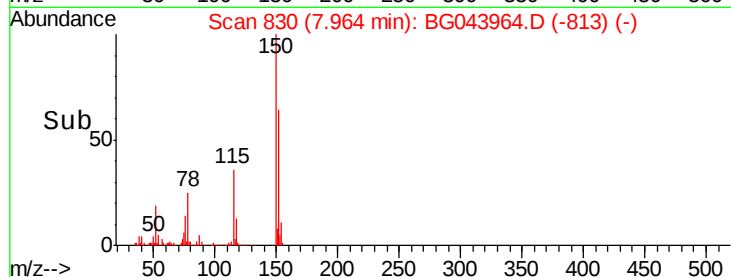
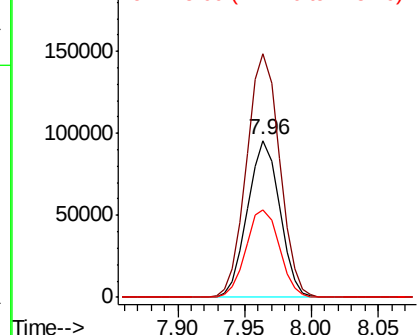


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

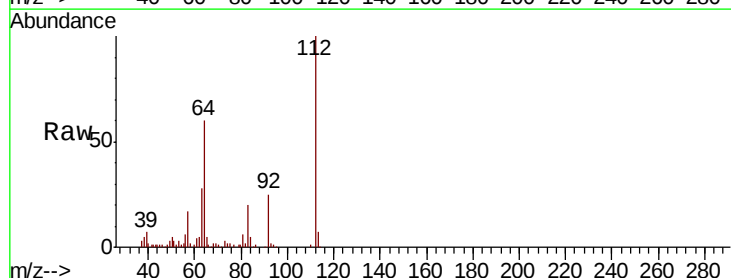
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.869 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.8	71.6
63	28.1	24.3	36.5

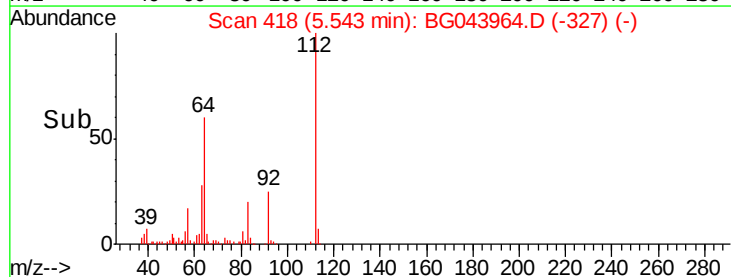
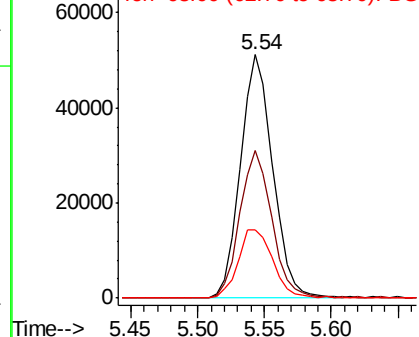


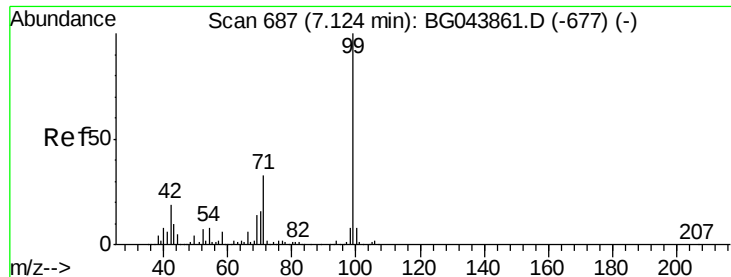
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 18.011 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

SPARTA-FINES

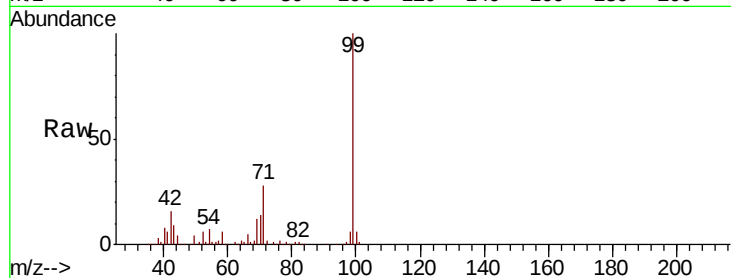
Tot Ion: 99 Resp: 218328

Ion Ratio Lower Upper

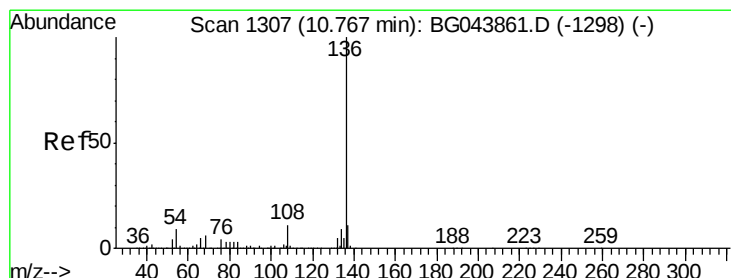
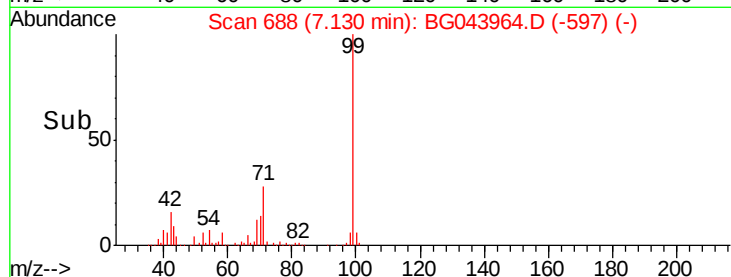
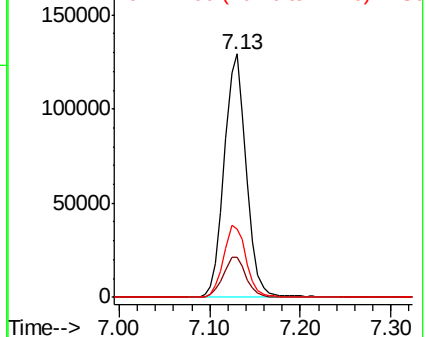
99 100

42 16.3 14.9 22.3

71 28.2 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Tgt Ion: 136 Resp: 674760

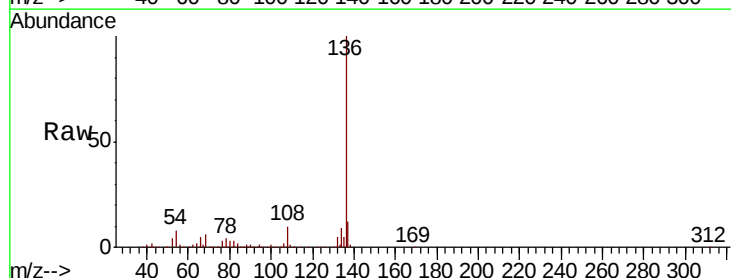
Ion Ratio Lower Upper

136 100

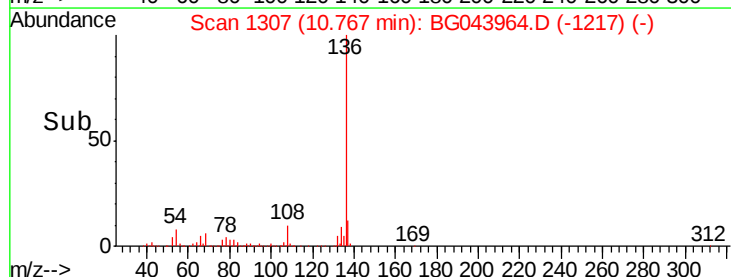
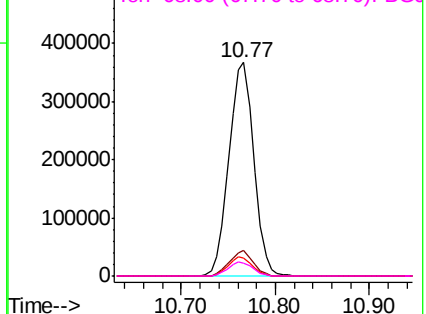
137 11.7 8.8 13.2

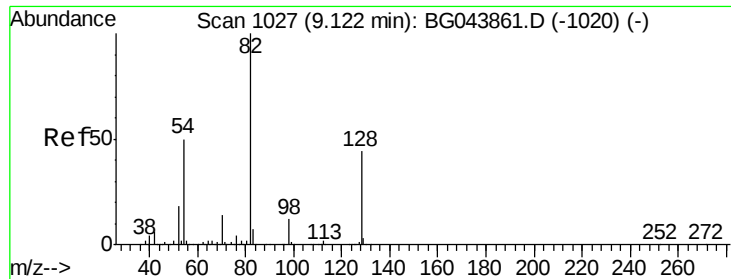
54 8.3 7.0 10.4

68 5.9 4.9 7.3



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

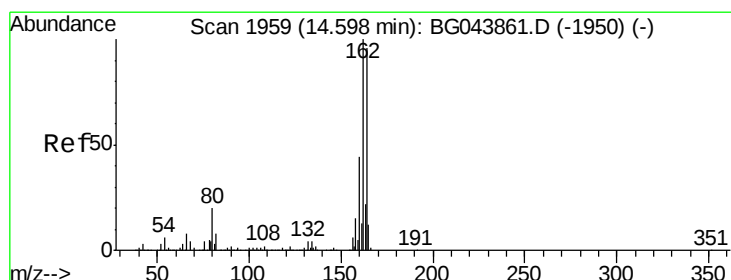
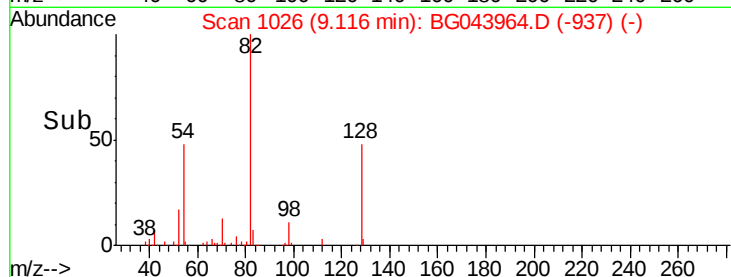
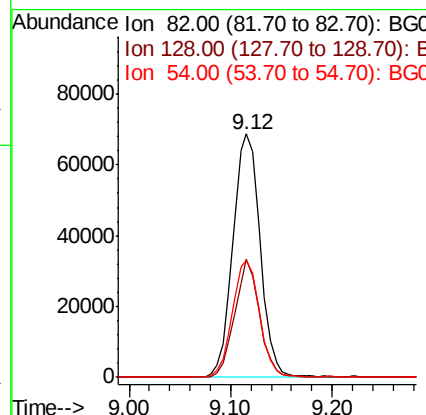
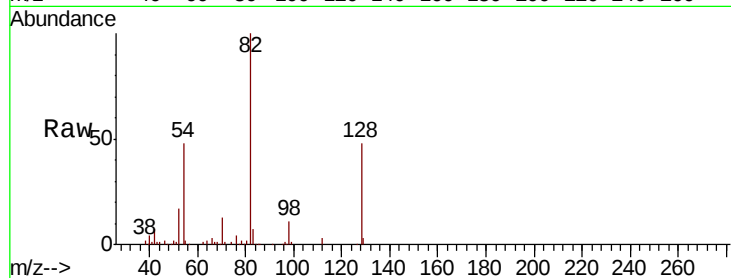




#23
Nitrobenzene-d5
Concen: 10.164 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

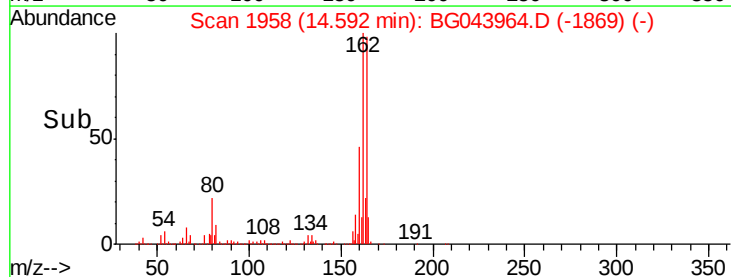
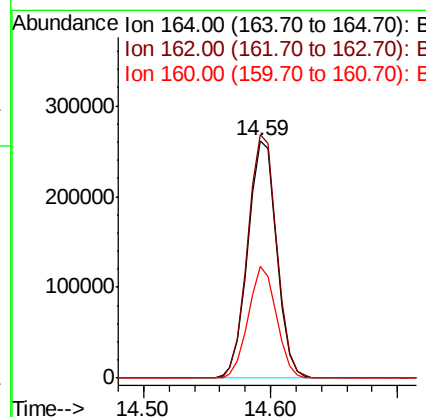
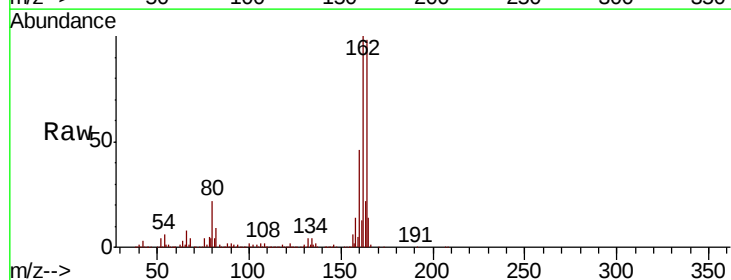
Instrument :
BNA_G
ClientSampleId :
SPARTA-FINES

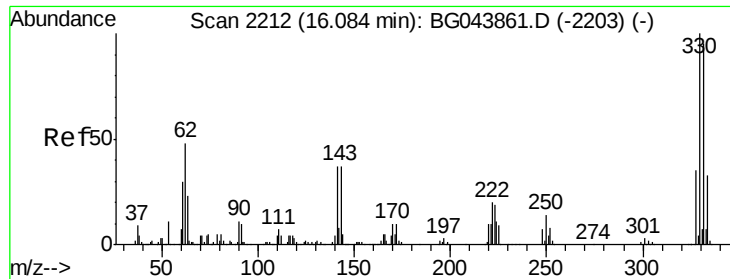
Tot Ion	82	Resp	128	207
Ion	Ratio	Lower	Upper	
82	100			
128	48.3	35.1	52.7	
54	47.9	40.1	60.1	



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

Tgt Ion	164	Resp	413	702
Ion	Ratio	Lower	Upper	
164	100			
162	102.5	83.0	124.4	
160	46.9	36.1	54.1	





#42

2,4,6-Tribromophenol

Concen: 3.547 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

SPARTA-FINES

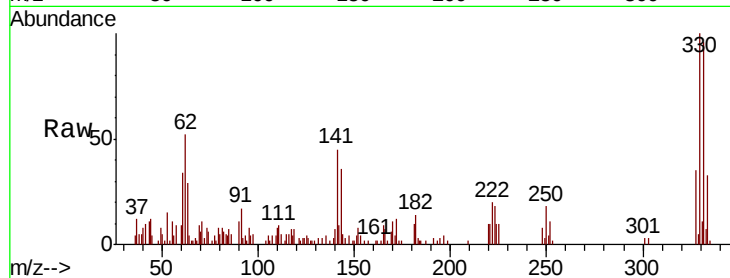
Tot Ion:330 Resp: 15358

Ion Ratio Lower Upper

330 100

332 90.6 77.2 115.8

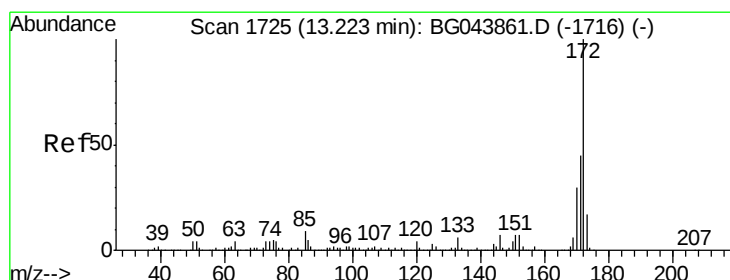
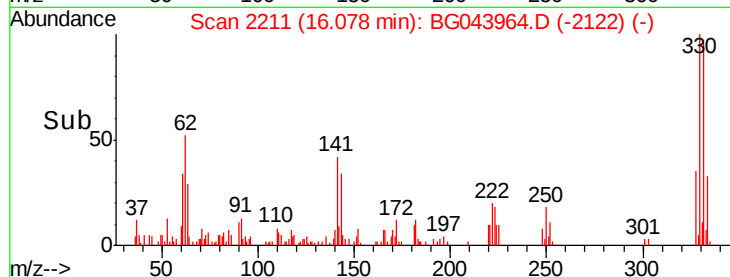
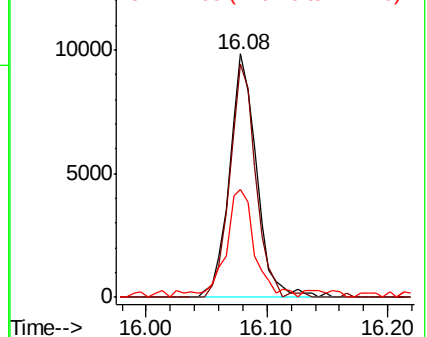
141 46.3 33.1 49.7



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 13.199 ng

RT: 13.22 min Scan# 1724

Delta R.T. -0.01 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

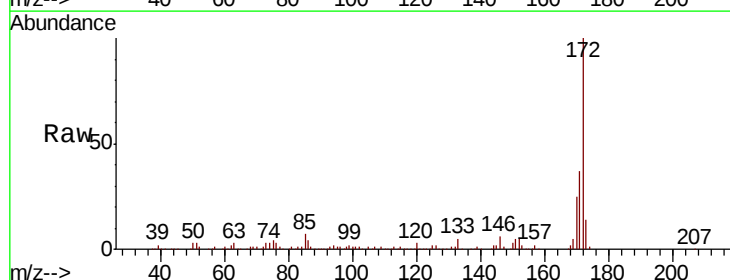
Tgt Ion:172 Resp: 301377

Ion Ratio Lower Upper

172 100

171 37.4 35.8 53.8

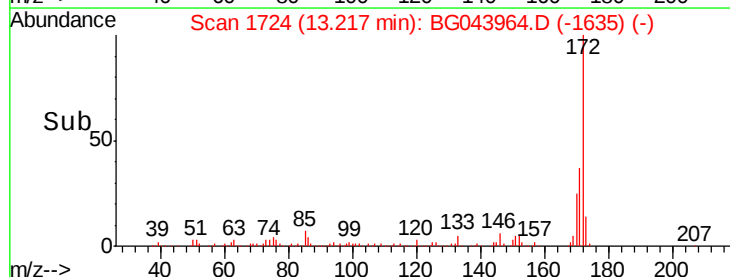
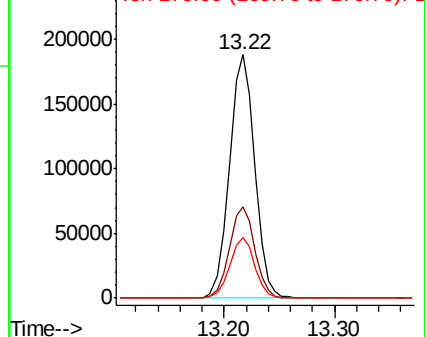
170 24.7 24.2 36.4

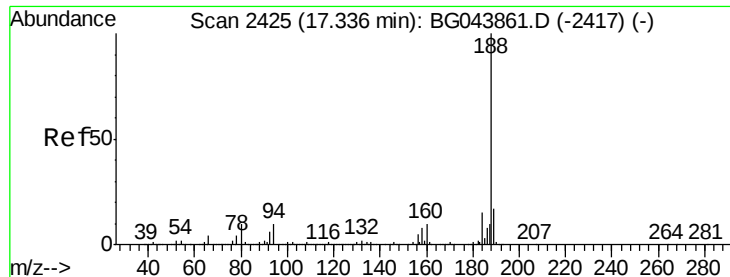


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

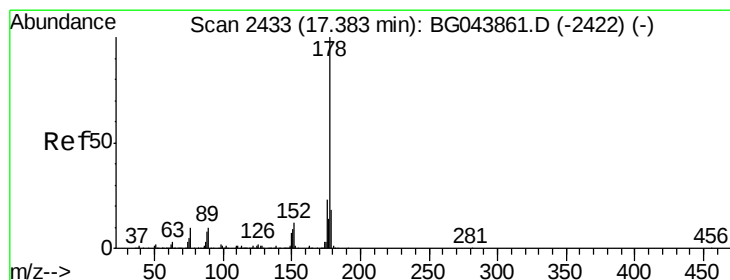
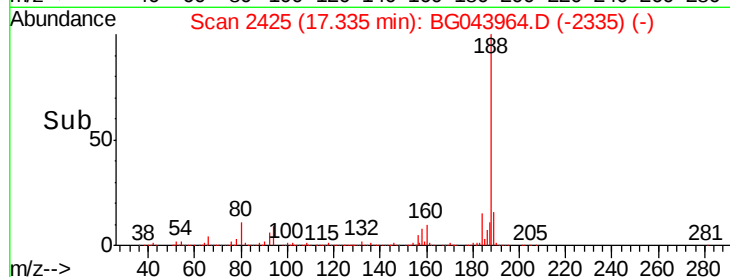
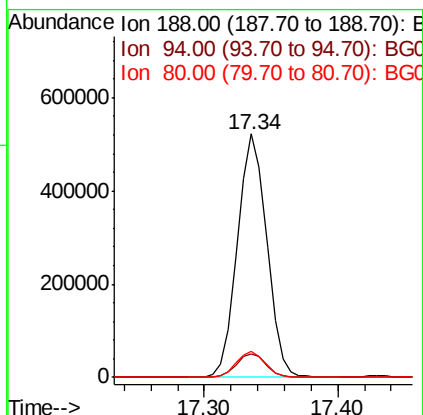
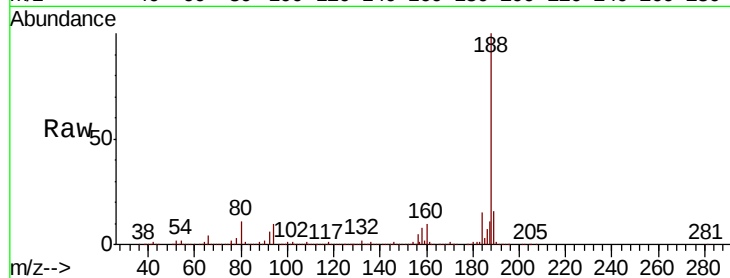




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

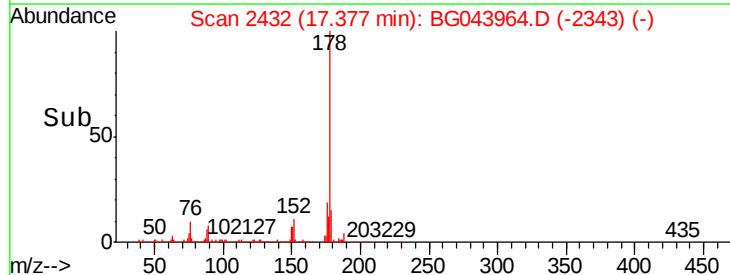
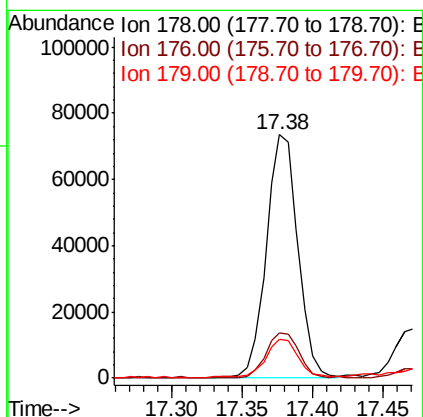
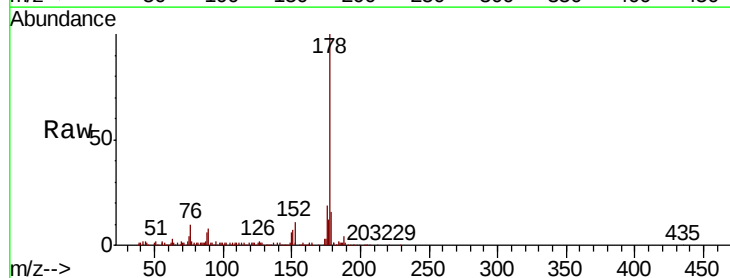
Instrument :
BNA_G
ClientSampleId :
SPARTA-FINES

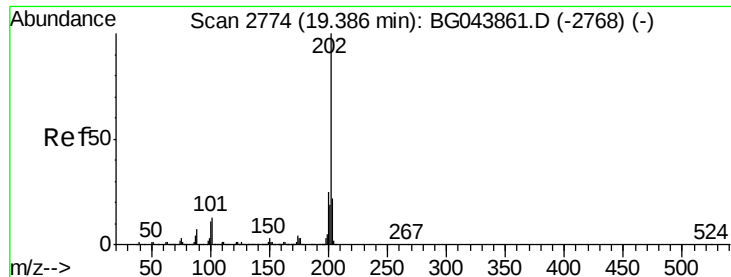
Tot Ion:188 Resp: 794201
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.6 8.2 12.4



#71
Phenanthrene
Concen: 3.031 ng
RT: 17.38 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

Tgt Ion:178 Resp: 115468
Ion Ratio Lower Upper
178 100
176 18.8 18.6 28.0
179 15.9 14.4 21.6





#75

Fluoranthene

Concen: 5.043 ng

RT: 19.39 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

SPARTA-FINES

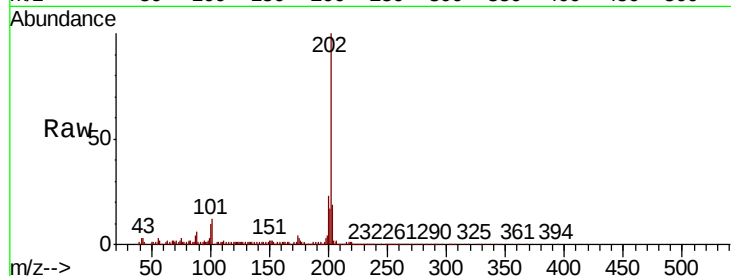
Tot Ion:202 Resp: 219716

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.3

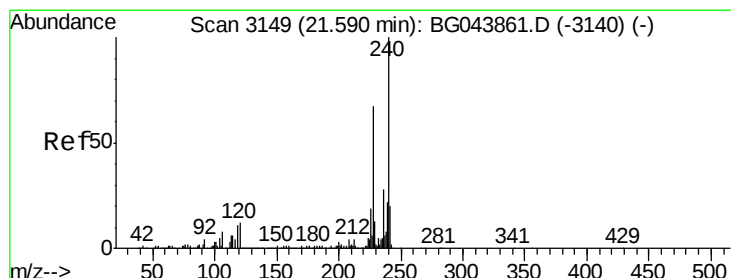
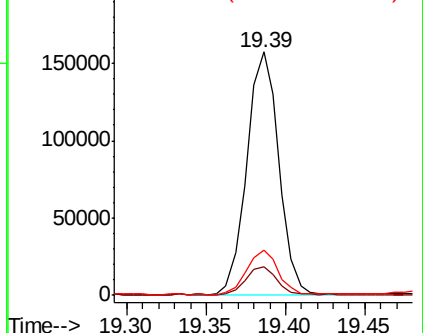
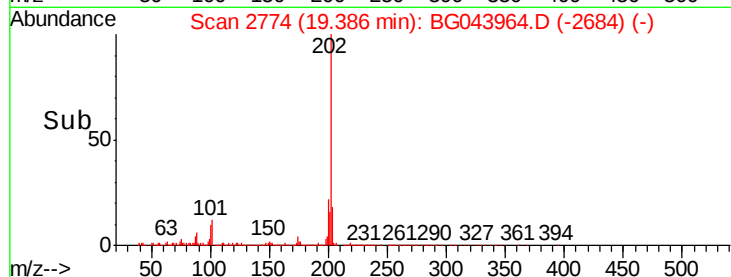
203 18.6 1.6 41.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

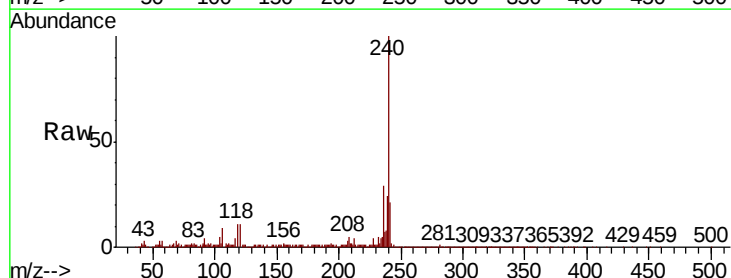
Tgt Ion:240 Resp: 645834

Ion Ratio Lower Upper

240 100

120 11.4 9.6 14.4

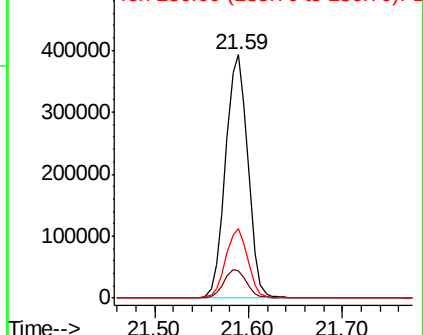
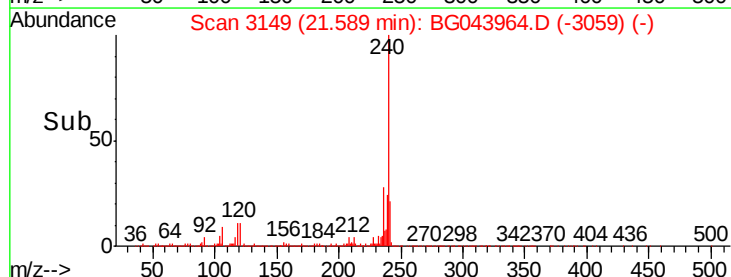
236 28.8 22.2 33.2

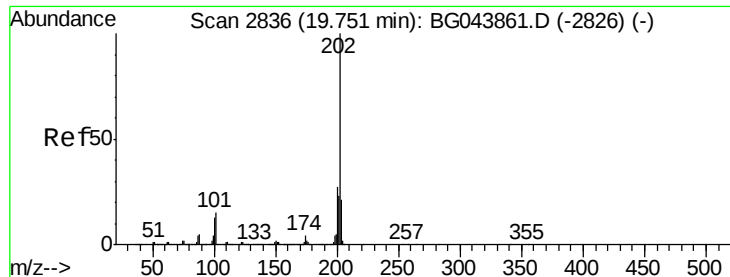


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.690 ng

RT: 19.74 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

SPARTA-FINES

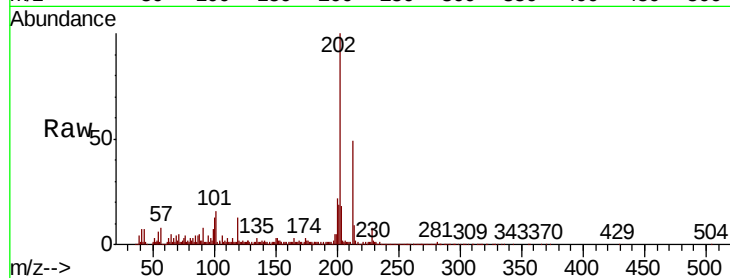
Tot Ion:202 Resp: 197711

Ion Ratio Lower Upper

202 100

200 21.8 21.7 32.5

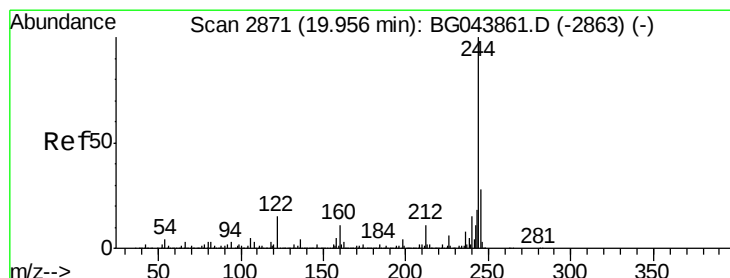
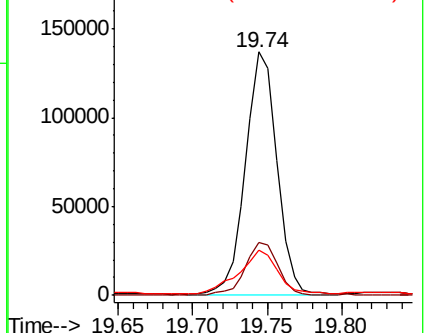
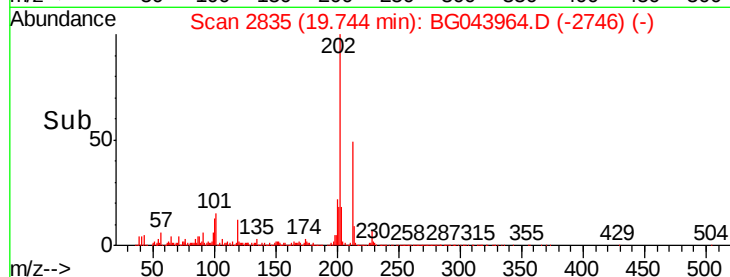
203 18.4 17.0 25.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 5.699 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

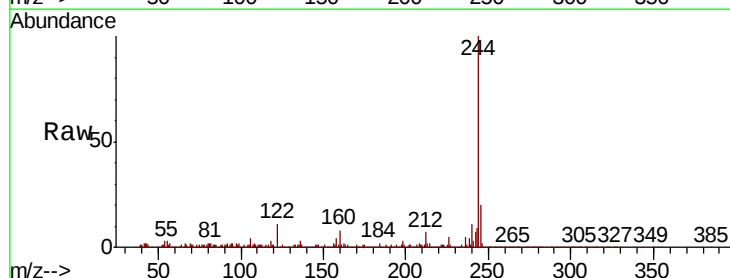
Tgt Ion:244 Resp: 387575

Ion Ratio Lower Upper

244 100

212 6.9 8.6 13.0#

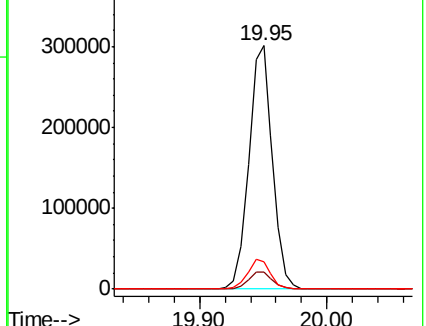
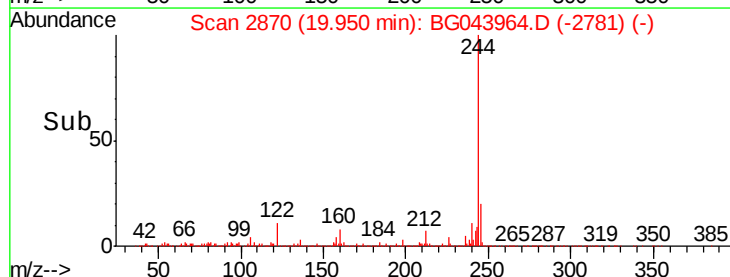
122 11.1 11.9 17.9#

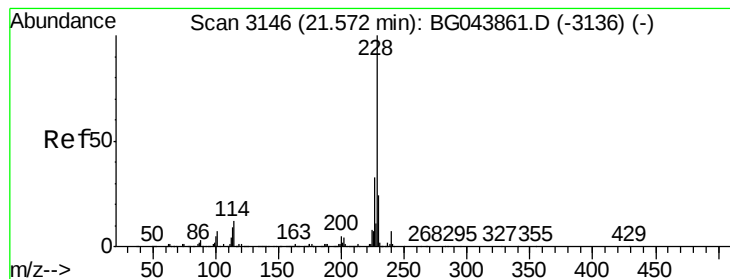


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.272 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

SPARTA-FINES

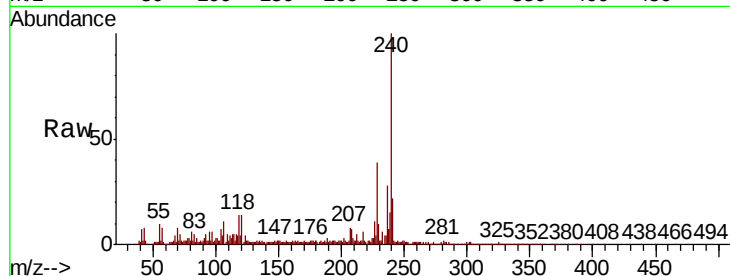
Tot Ion:228 Resp: 90979

Ion Ratio Lower Upper

228 100

226 28.7 26.2 39.4

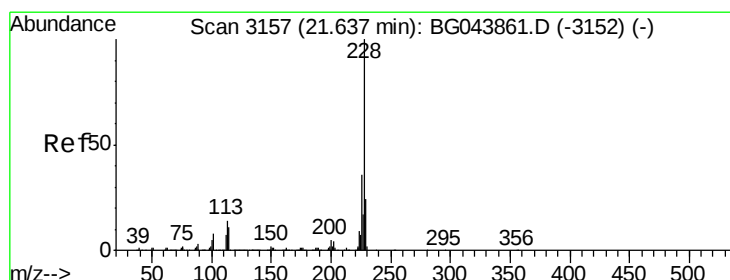
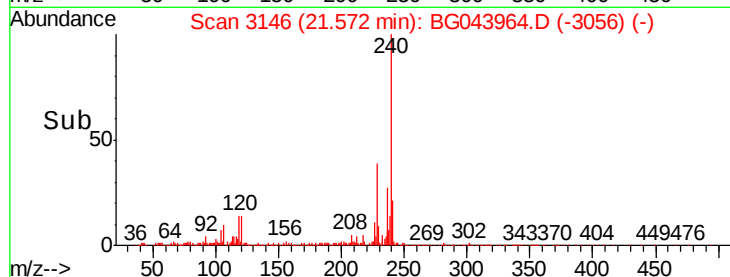
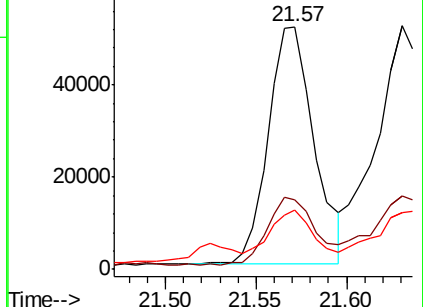
229 24.7 18.9 28.3



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



#83

Chrysene

Concen: 2.607 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

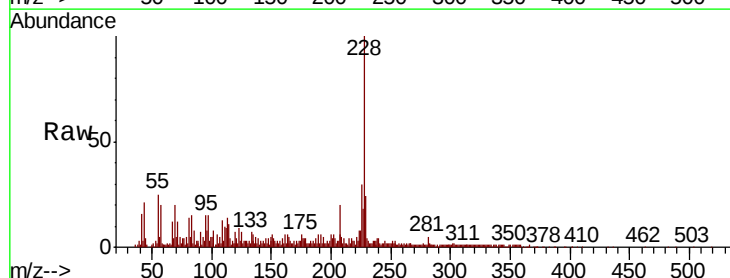
Tgt Ion:228 Resp: 99189

Ion Ratio Lower Upper

228 100

226 30.4 28.8 43.2

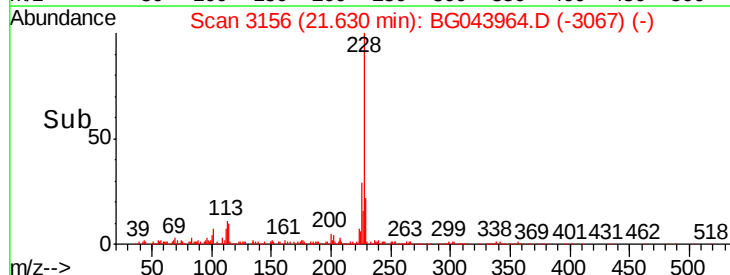
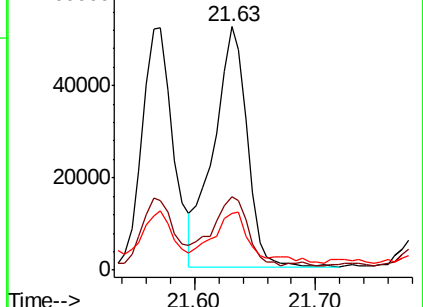
229 23.5 19.0 28.6

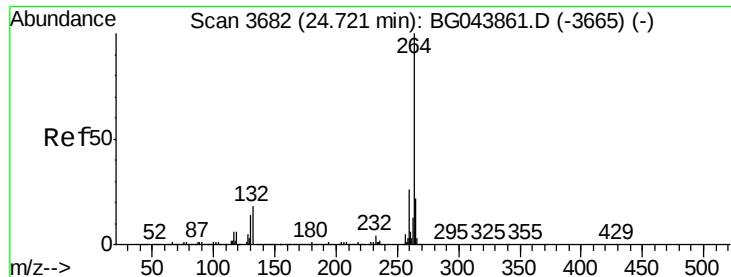


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.72 min Scan# 3682

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

SPARTA-FINES

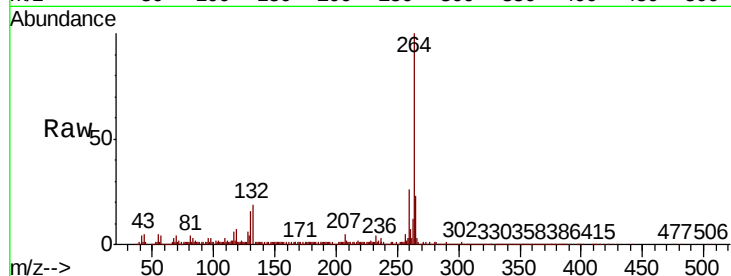
Tot Ion:264 Resp: 728735

Ion Ratio Lower Upper

264 100

260 25.6 20.4 30.6

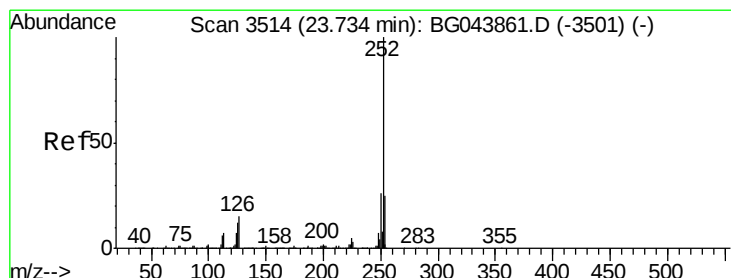
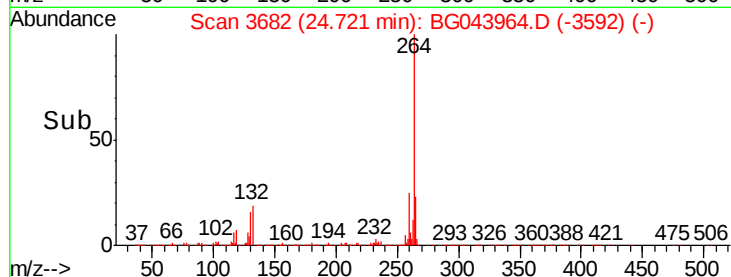
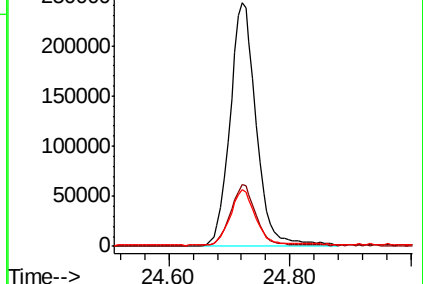
265 23.5 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.108 ng

RT: 23.73 min Scan# 3514

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

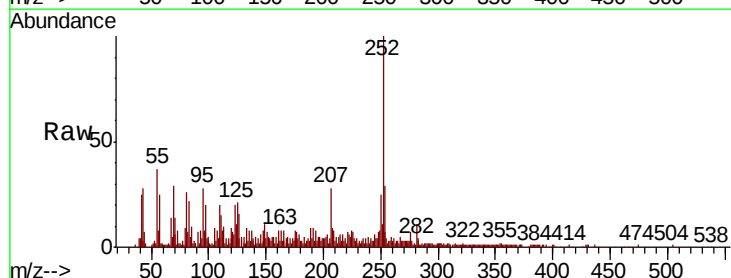
Tgt Ion:252 Resp: 133887

Ion Ratio Lower Upper

252 100

253 28.9 19.7 29.5

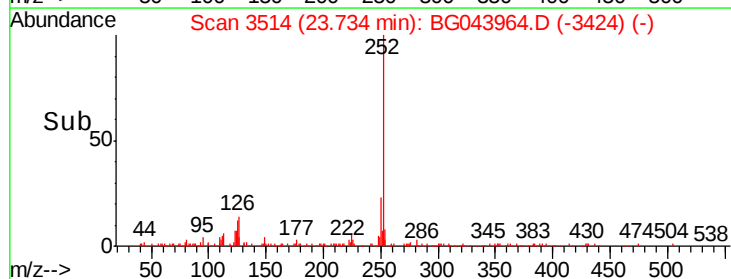
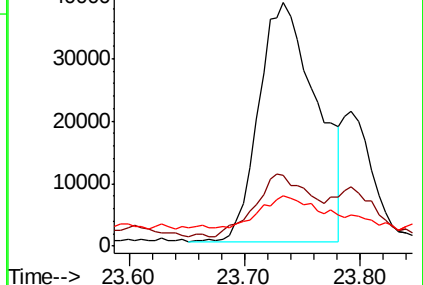
125 20.8 9.4 14.2#

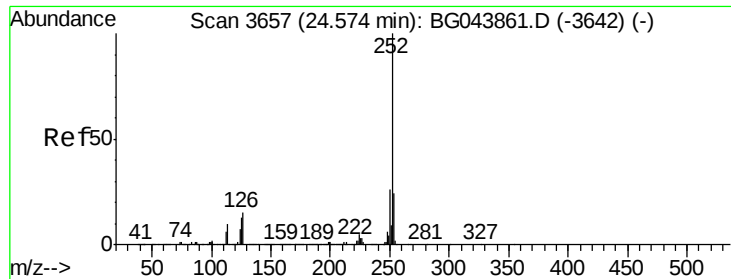


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.218 ng

RT: 24.57 min Scan# 3657

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

SPARTA-FINES

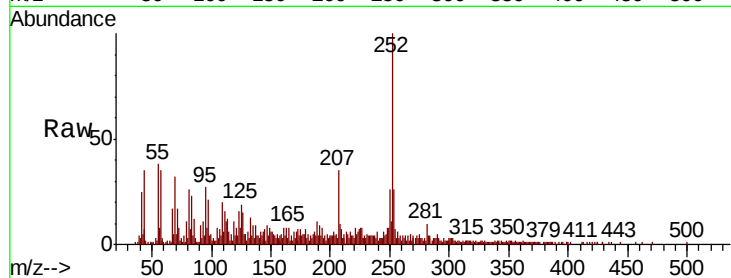
Tot Ion:252 Resp: 90190

Ion Ratio Lower Upper

252 100

253 26.4 19.3 28.9

125 19.2 10.4 15.6#



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

