

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118880.D
 Acq On : 10 Feb 2020 20:46
 Operator : CG/JU
 Sample : L1452-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TSB

Quant Time: Feb 11 00:18:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	225456	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	881677	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	497583	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	888094	20.00	ng	0.00
76) Chrysene-d12	13.97	240	633084	20.00	ng	-0.01
87) Perylene-d12	15.43	264	701106	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	655281	55.02	ng	0.00
7) Phenol-d6	6.45	99	783555	53.00	ng	0.00
23) Nitrobenzene-d5	7.37	82	518882	35.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	305282	51.28	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1257670	45.19	ng	-0.01
79) Terphenyl-d14	12.92	244	1239995	40.23	ng	-0.01

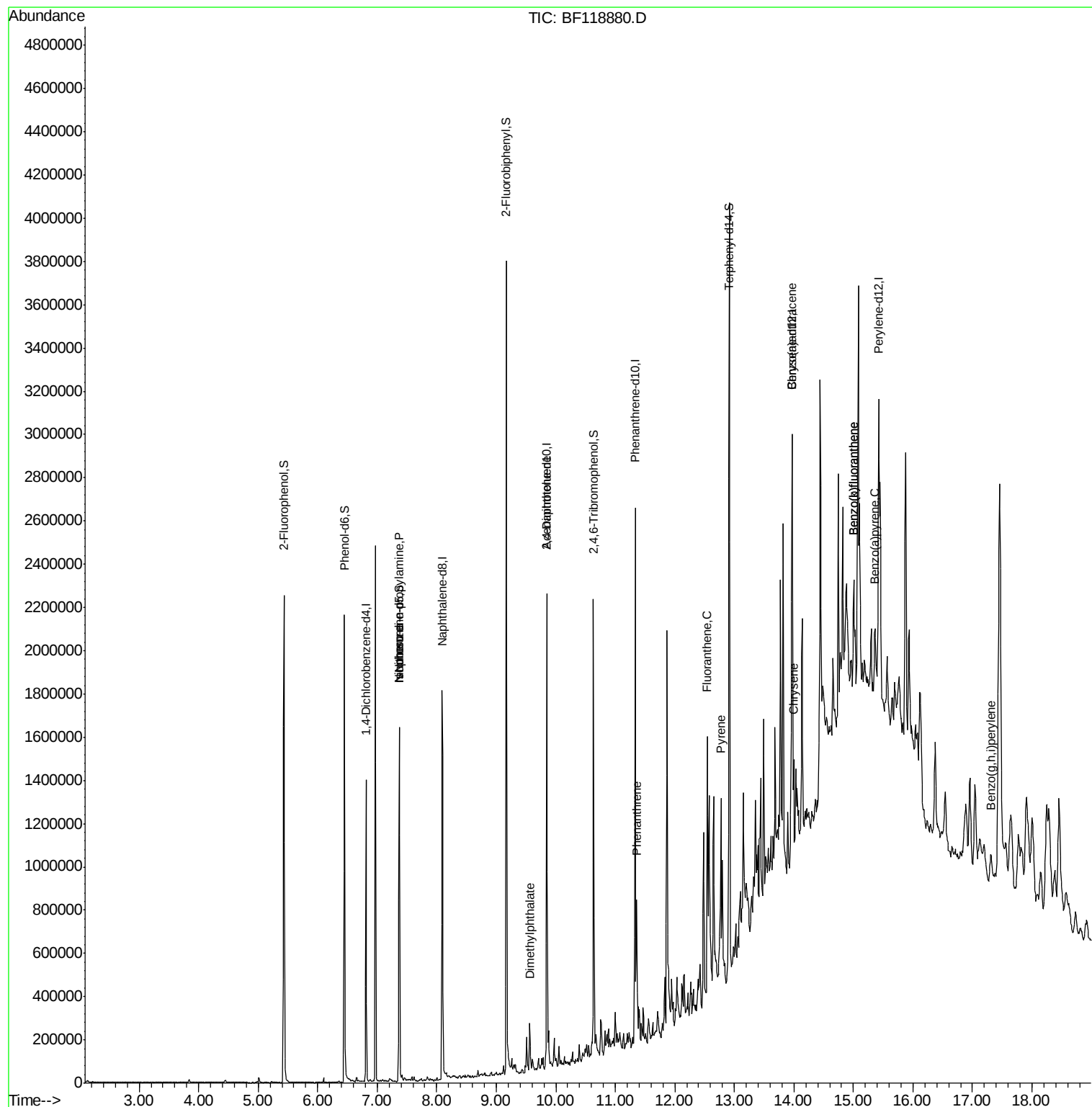
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	1478	Below Cal		94
19) n-Nitroso-di-n-propylamine	7.37	70	70518	7.795	ng	# 77
25) Isophorone	7.37	82	518941	19.521	ng	# 63
50) Dimethylphthalate	9.56	163	83115	2.453	ng	98
57) 2,4-Dinitrotoluene	9.85	165	64847	6.321	ng	# 34
71) Phenanthrene	11.36	178	227405	5.204	ng	98
75) Fluoranthene	12.54	202	436143	9.142	ng	99
78) Pyrene	12.77	202	357936	8.241	ng	97
81) Benzo(a)anthracene	13.96	228	173450	4.604	ng	92
83) Chrysene	14.00	228	190362	5.035	ng	97
88) Benzo(b)fluoranthene	15.00	252	366675	8.428	ng	# 91
89) Benzo(k)fluoranthene	15.00	252	366675	9.679	ng	# 90
90) Benzo(a)pyrene	15.36	252	172174	4.624	ng	# 89
92) Benzo(a,h,i)perylene	17.31	276	70256	2.210	ng	# 87

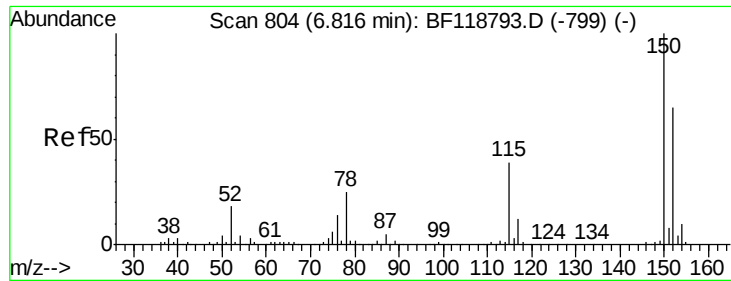
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118880.D
Acq On : 10 Feb 2020 20:46
Operator : CG/JU
Sample : L1452-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

Quant Time: Feb 11 00:18:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



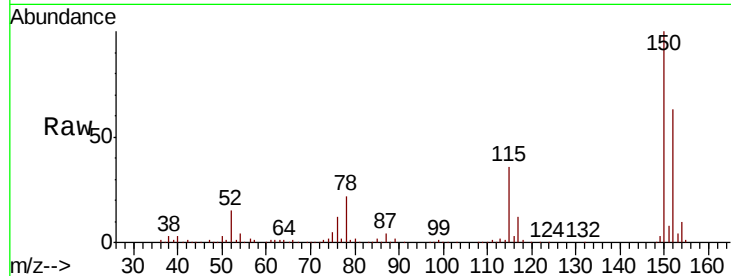


#1

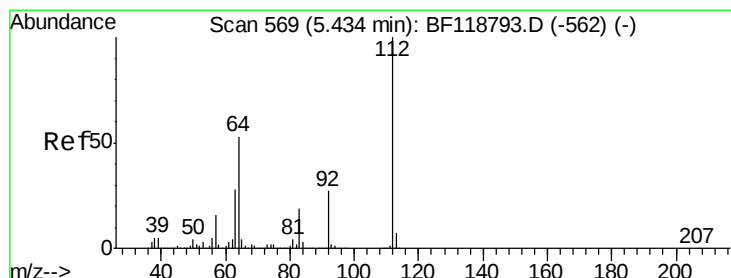
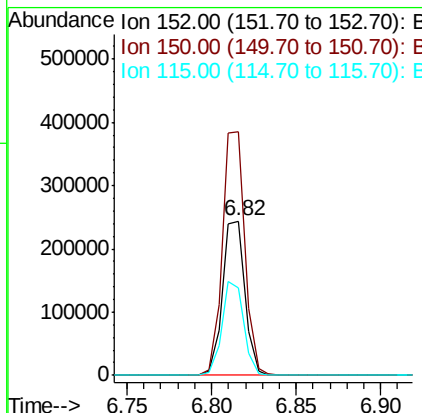
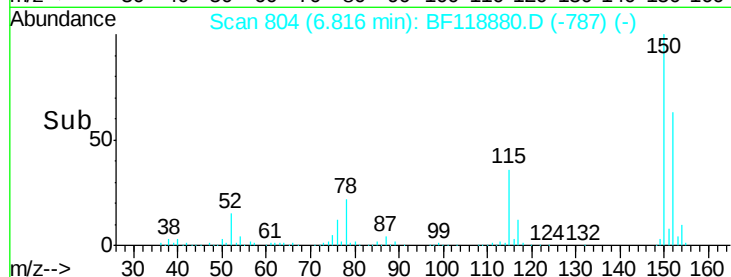
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF118880.D
 Acq: 10 Feb 2020 20:46

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TSB

Tot Ion:152 Resp: 225456
 Ion Ratio Lower Upper
 152 100
 150 157.6 123.6 185.4
 115 57.0 48.2 72.2



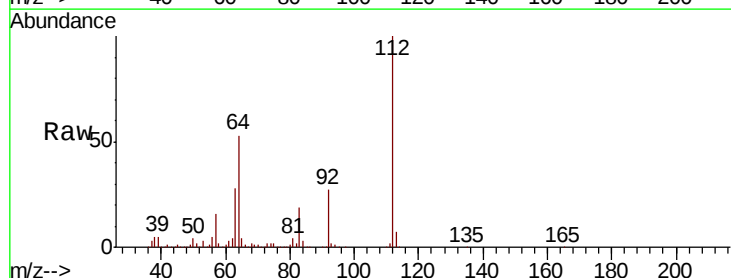
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



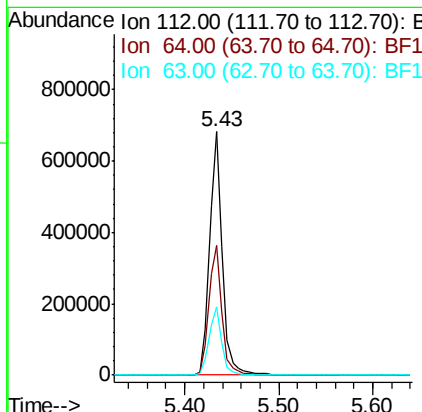
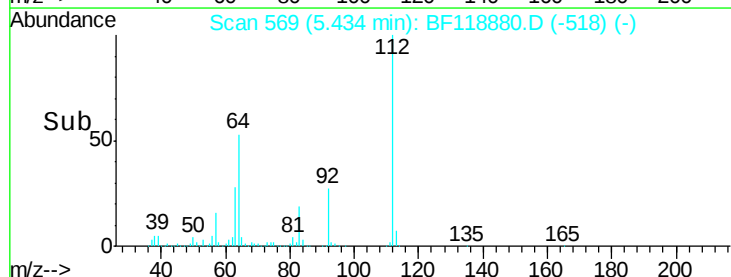
#5

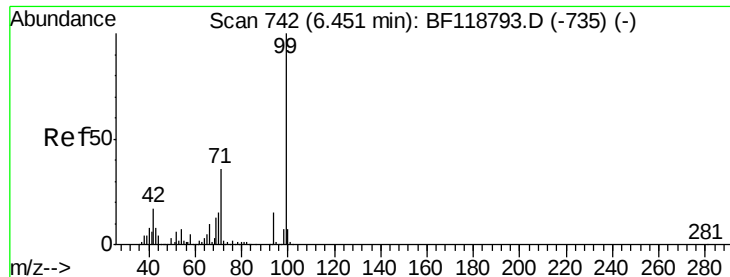
2-Fluorophenol
 Concen: 55.017 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: BF118880.D
 Acq: 10 Feb 2020 20:46

Tgt Ion:112 Resp: 655281
 Ion Ratio Lower Upper
 112 100
 64 53.5 42.6 63.8
 63 28.1 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 52.996 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

Instrument :

BNA_F

ClientSampleId :

SPARTA-TSB

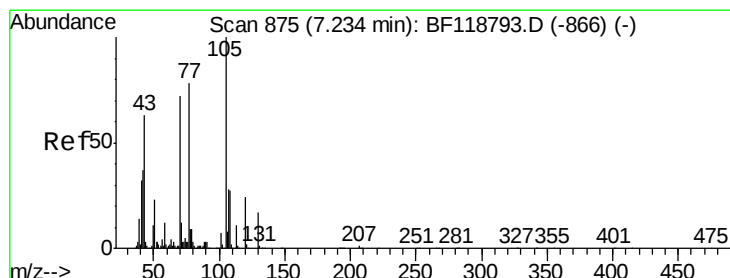
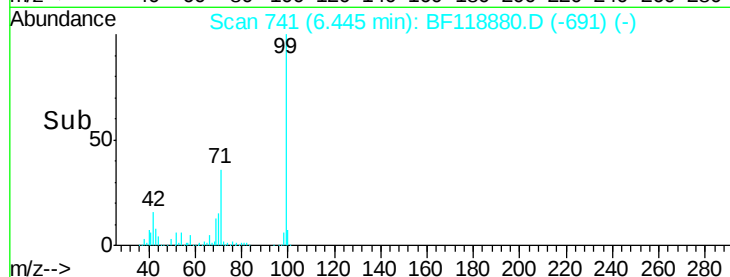
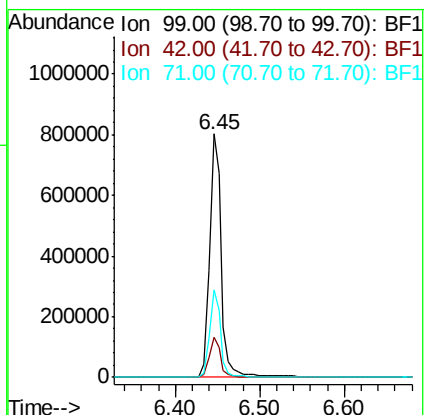
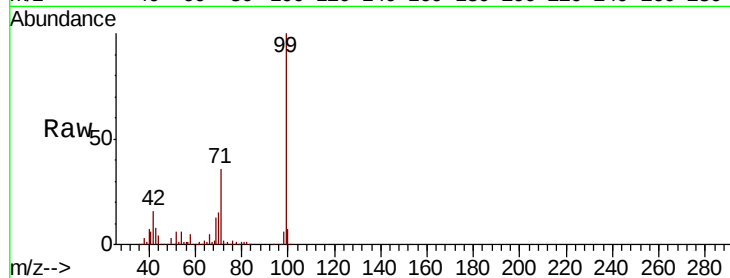
Tot Ion: 99 Resp: 783555

Ion Ratio Lower Upper

99 100

42 16.3 13.4 20.0

71 36.0 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 7.795 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

Tgt Ion: 70 Resp: 70518

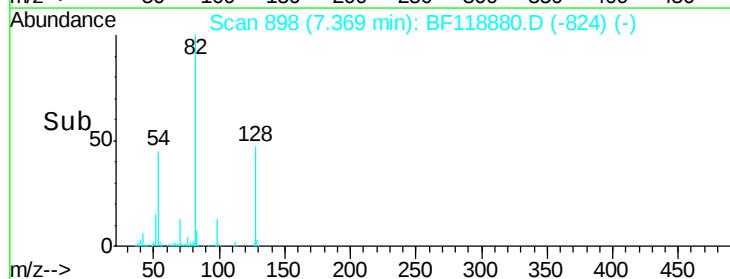
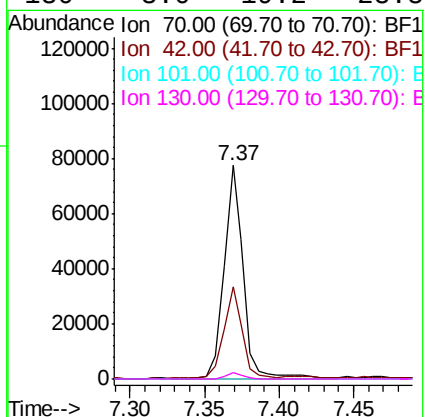
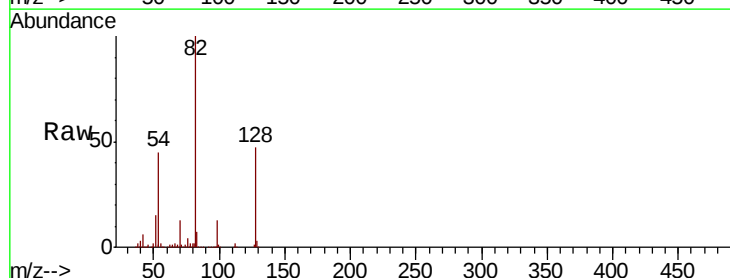
Ion Ratio Lower Upper

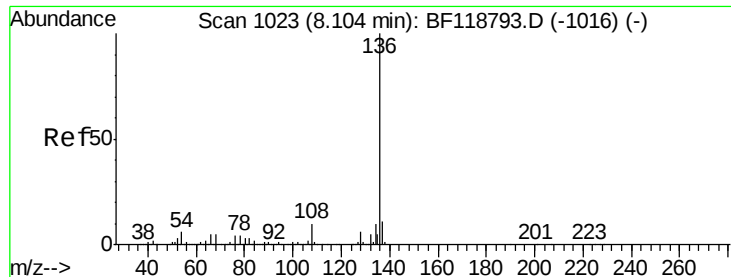
70 100

42 43.0 41.5 62.3

101 0.0 8.3 12.5#

130 3.0 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

Instrument :

BNA_F

ClientSampleId :

SPARTA-TSB

Tot Ion:136 Resp: 881677

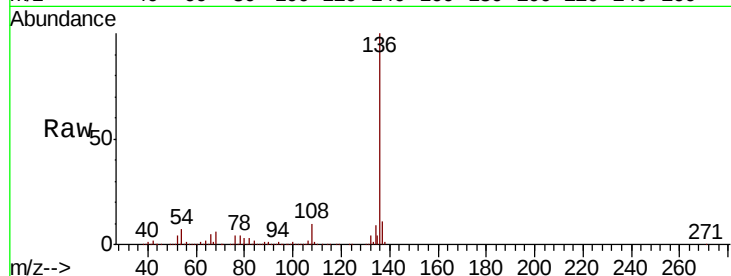
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.8 5.0 7.6

68 6.0 4.2 6.4

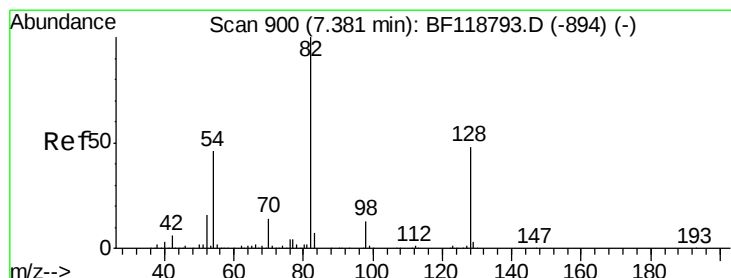
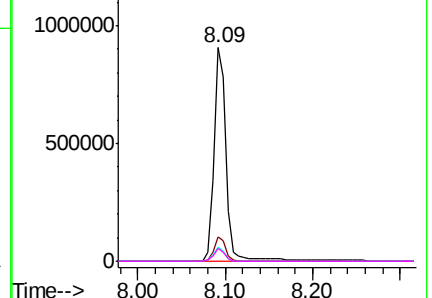
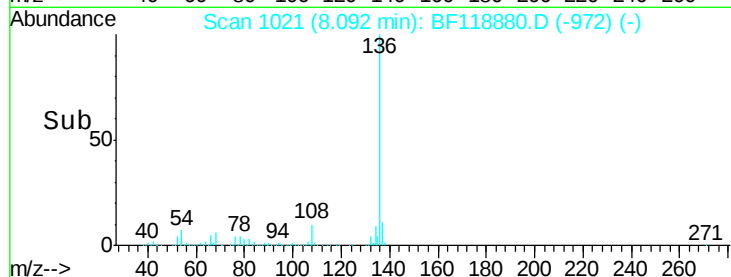


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 35.079 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

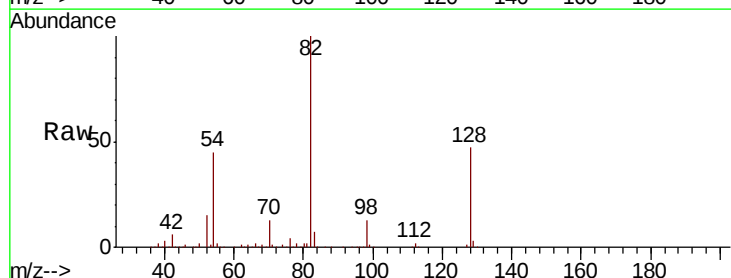
Tgt Ion: 82 Resp: 518882

Ion Ratio Lower Upper

82 100

128 46.9 38.5 57.7

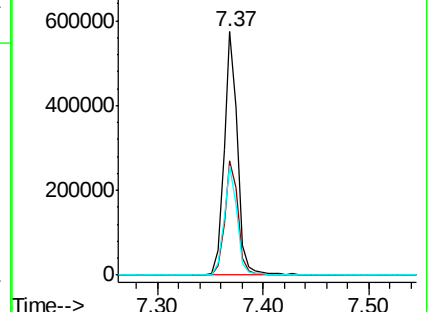
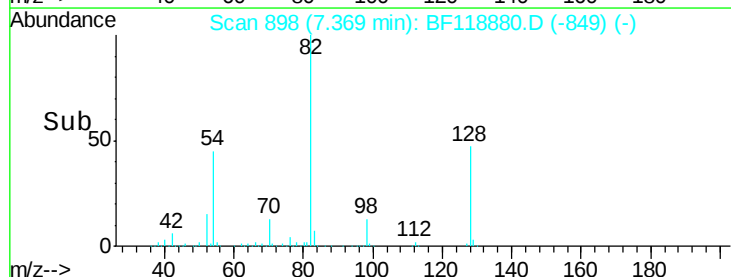
54 44.9 36.7 55.1

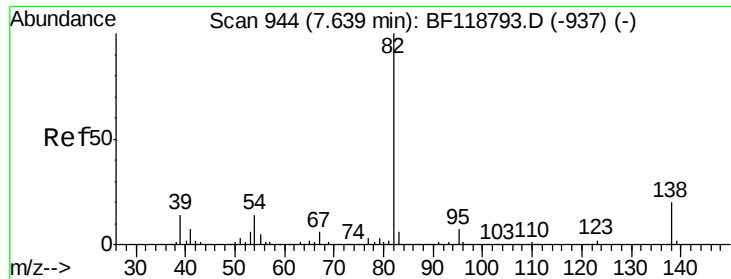


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.521 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

Instrument :

BNA_F

ClientSampleId :

SPARTA-TSB

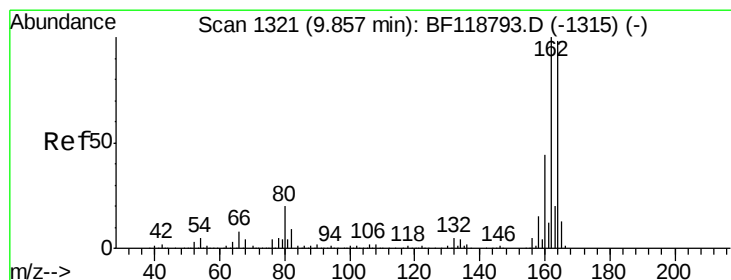
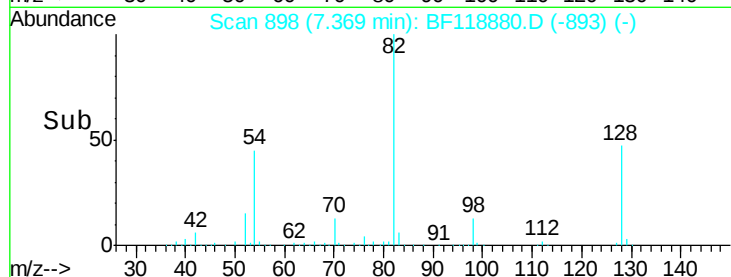
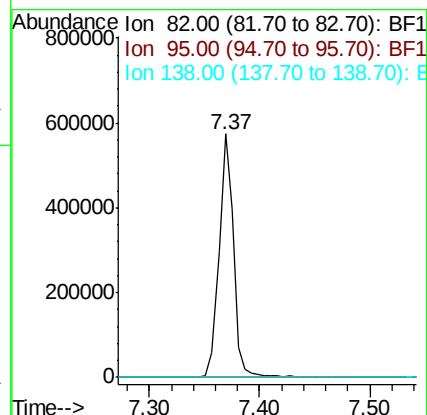
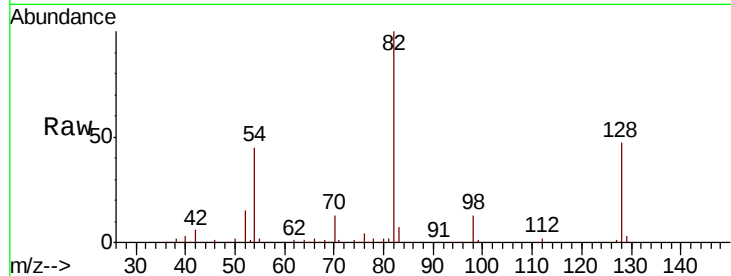
Tot Ion: 82 Resp: 518941

Ion Ratio Lower Upper

82 100

95 0.1 6.0 9.0#

138 0.0 15.7 23.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

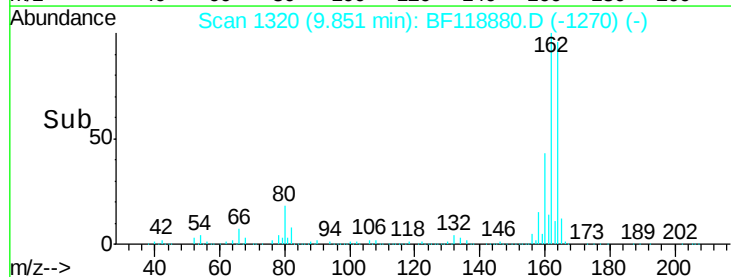
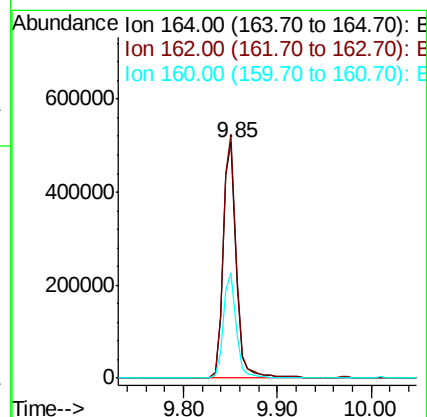
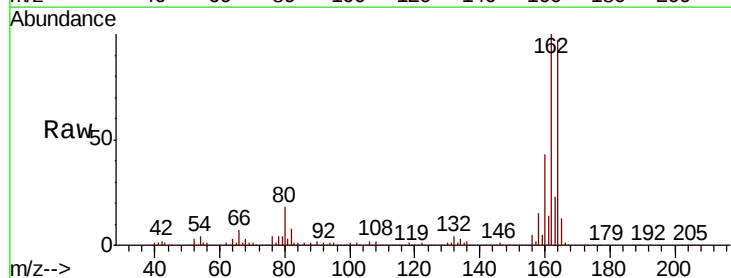
Tgt Ion: 164 Resp: 497583

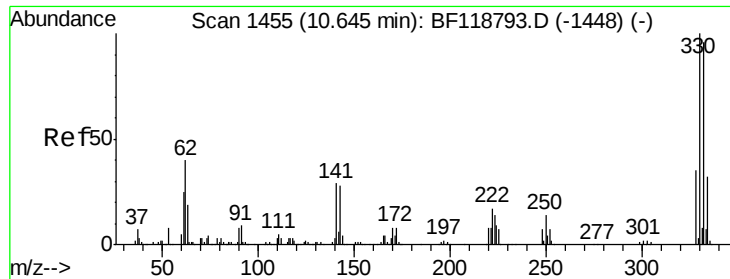
Ion Ratio Lower Upper

164 100

162 103.4 81.4 122.2

160 44.7 35.6 53.4

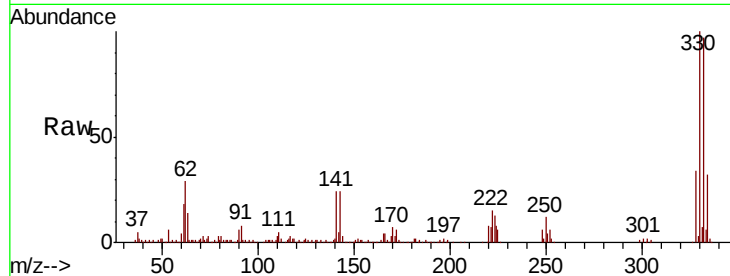




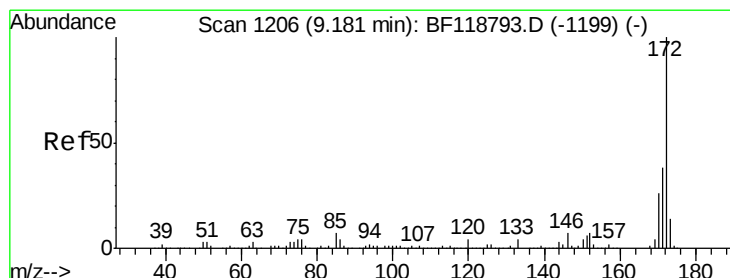
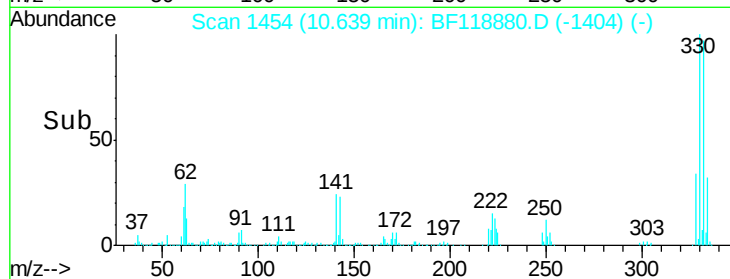
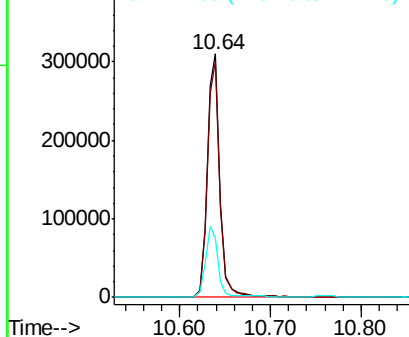
#42
 2,4,6-Tribromophenol
 Concen: 51.276 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF118880.D
 Acq: 10 Feb 2020 20:46

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TSB

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	28.5	22.4	33.6

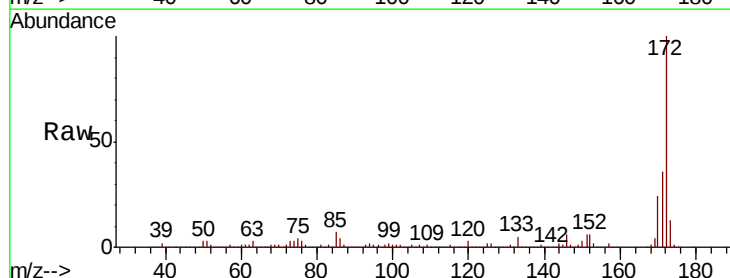


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

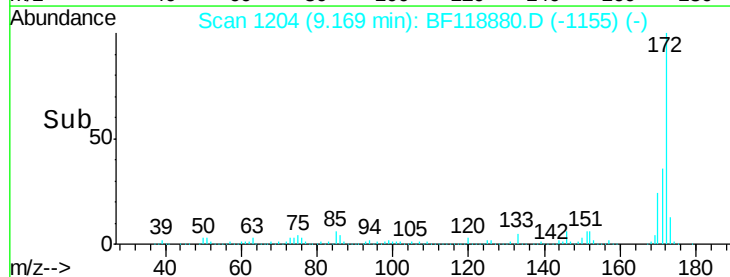
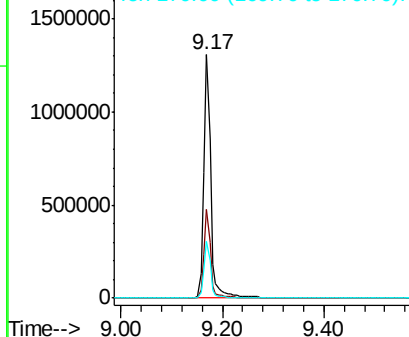


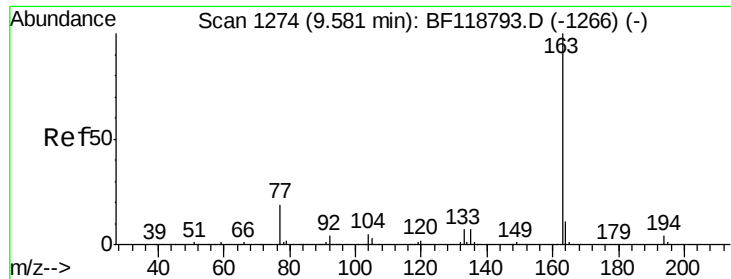
#45
 2-Fluorobiphenyl
 Concen: 45.185 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF118880.D
 Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.8	46.2
170	23.5	20.5	30.7



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

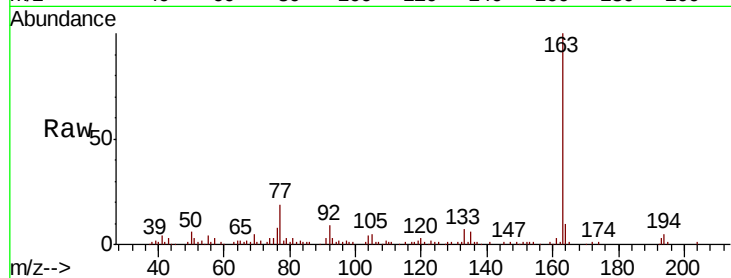




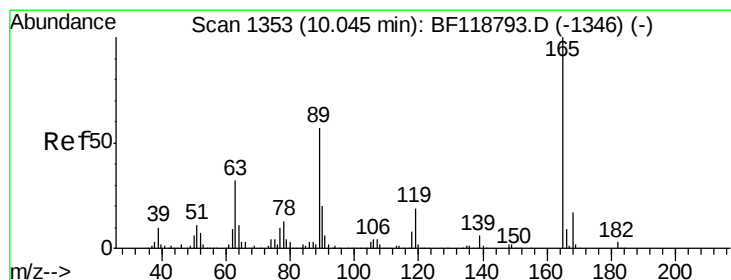
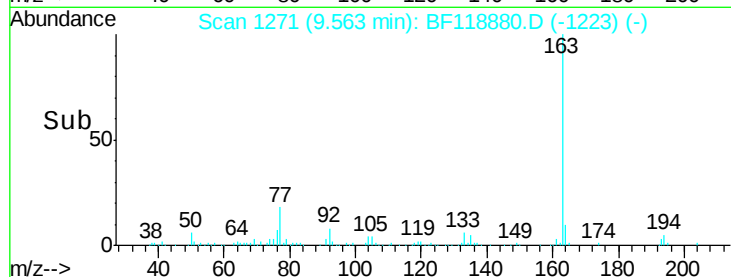
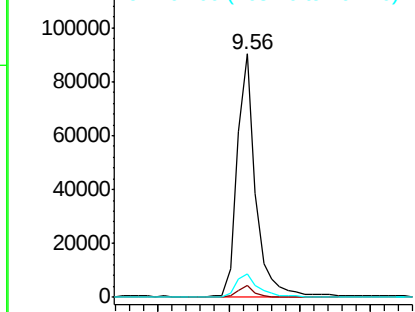
#50
Dimethylphthalate
Concen: 2.453 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.6	5.4
164	9.7	8.7	13.1

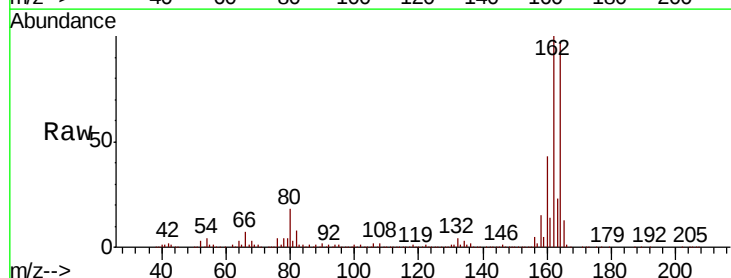


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

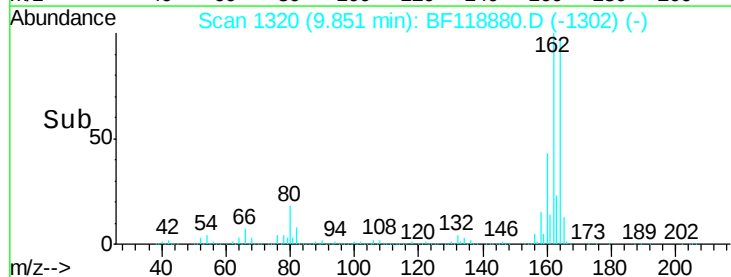
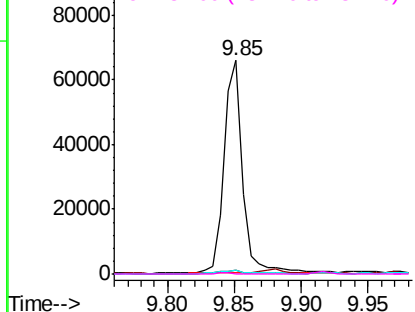


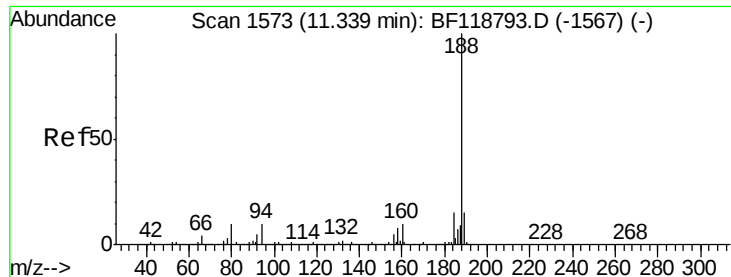
#57
2,4-Dinitrotoluene
Concen: 6.321 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.5	38.3#
89	1.6	45.4	68.0#
182	0.0	2.4	3.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

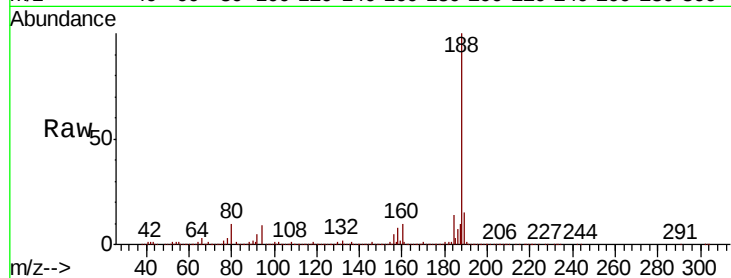




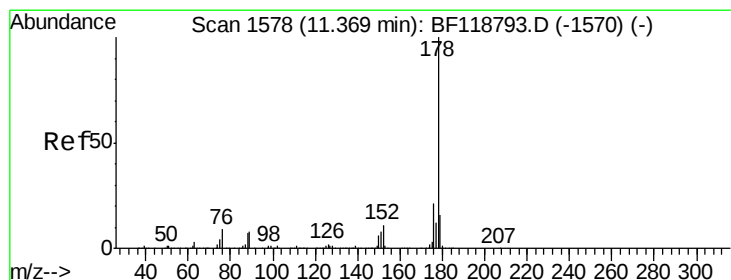
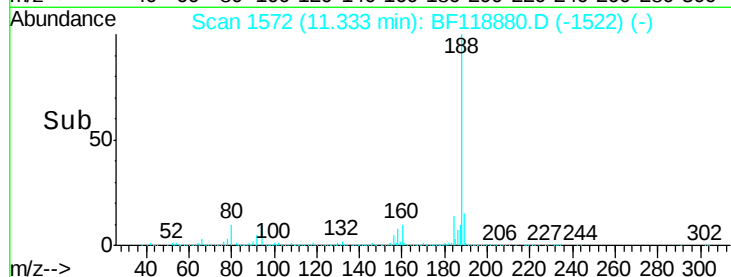
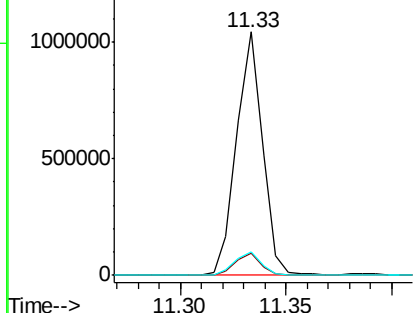
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.9	11.9
80	9.6	8.4	12.6

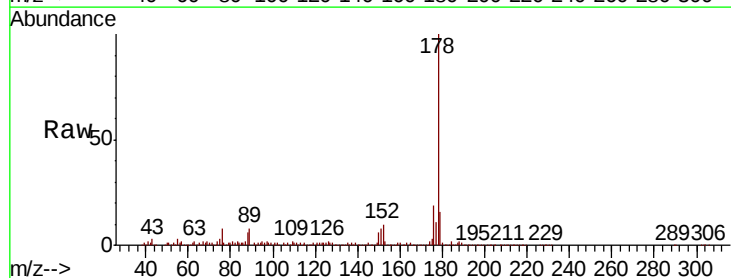


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

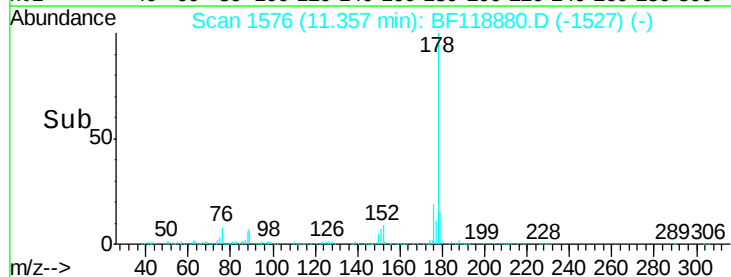
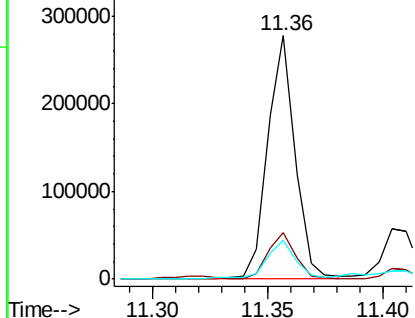


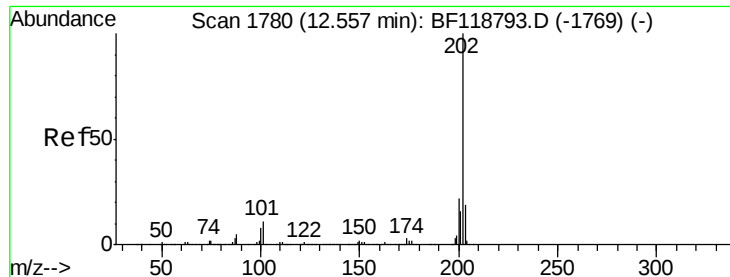
#71
Phenanthrene
Concen: 5.204 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.6	24.8
179	15.7	13.2	19.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

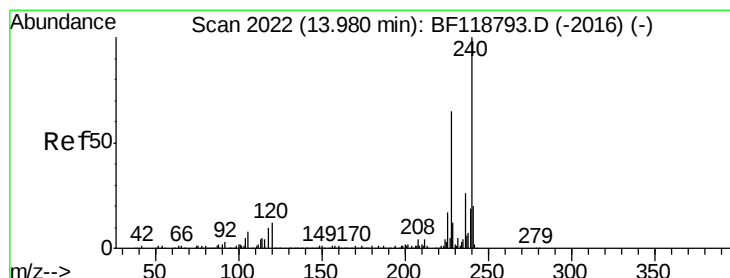
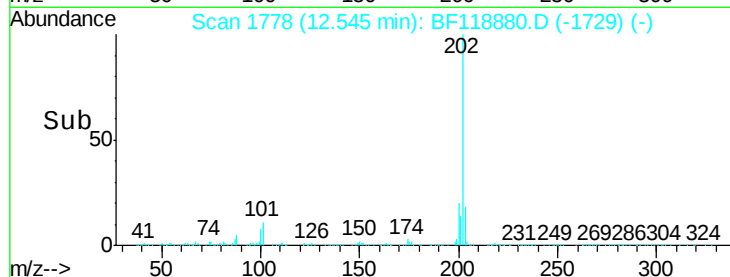
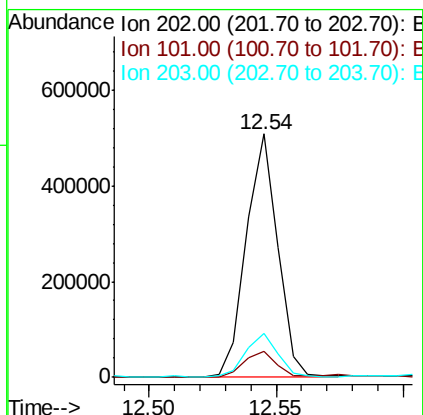
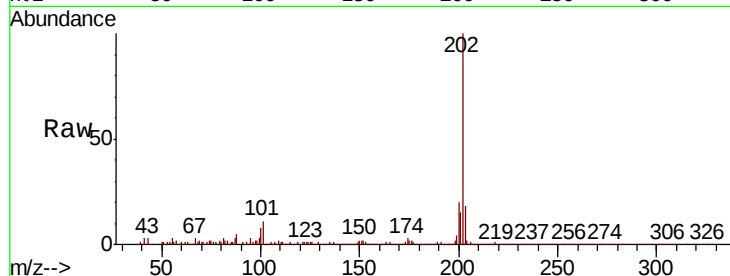




#75
Fluoranthene
Concen: 9.142 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

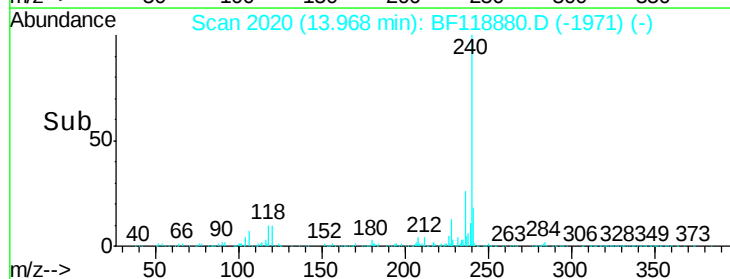
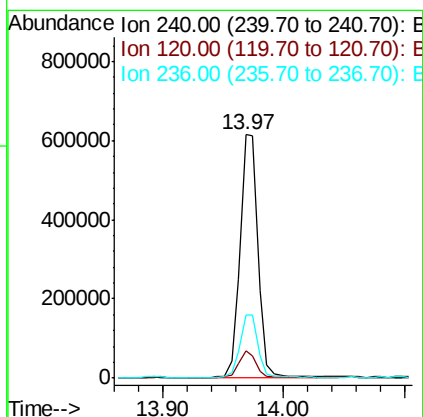
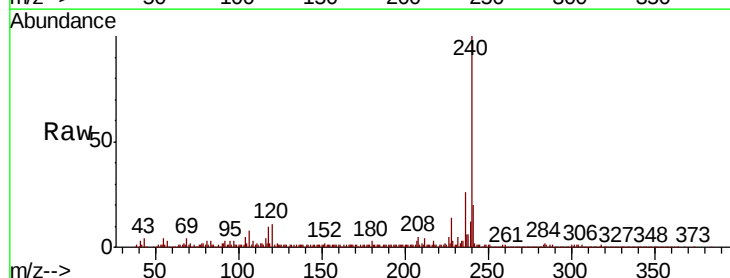
Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

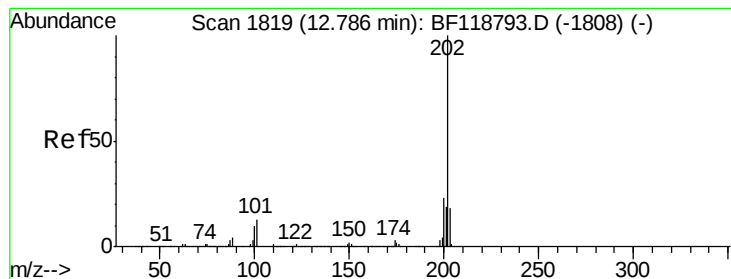
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.0
203	17.9	0.0	38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.4	14.0
236	25.8	21.0	31.6





#78

Pvrene

Concen: 8.241 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

Instrument :

BNA_F

ClientSampleId :

SPARTA-TSB

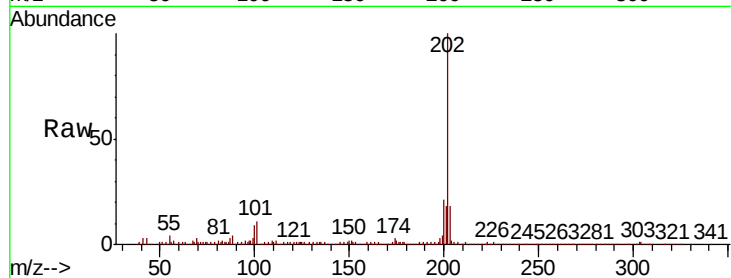
Tot Ion:202 Resp: 357936

Ion Ratio Lower Upper

202 100

200 20.6 18.2 27.2

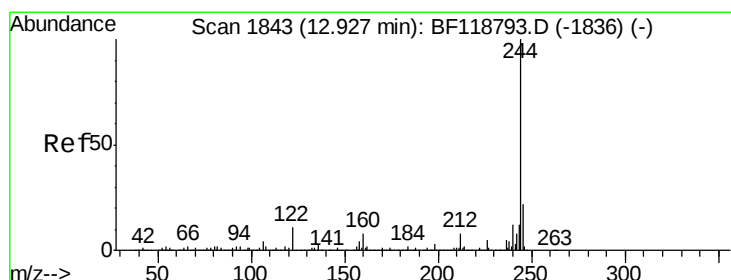
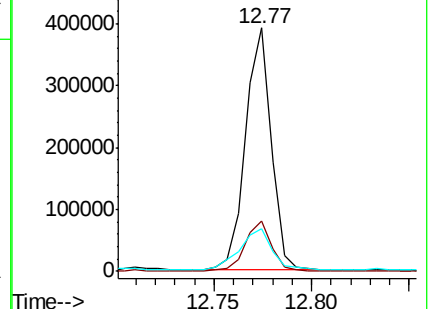
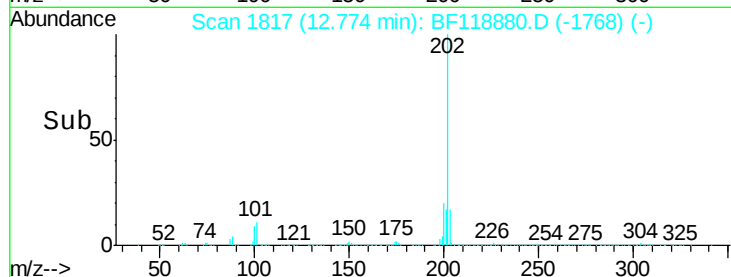
203 17.6 14.8 22.2



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: 40.232 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

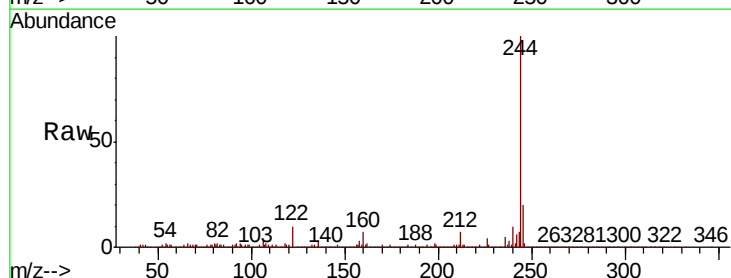
Tgt Ion:244 Resp: 1239995

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

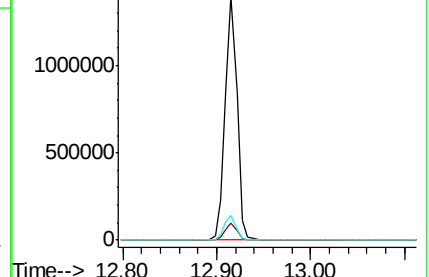
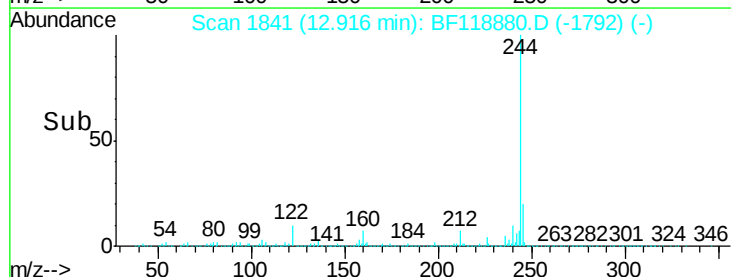
122 10.2 8.9 13.3

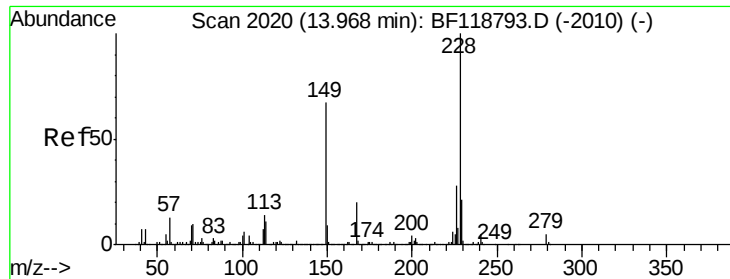


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

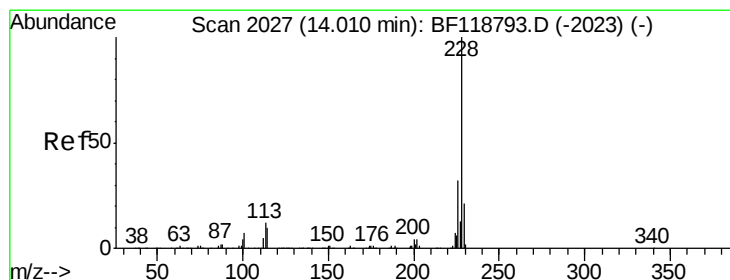
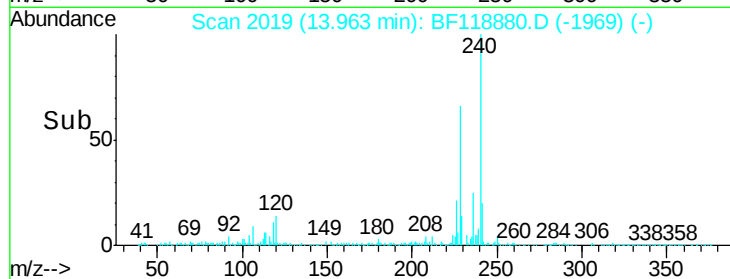
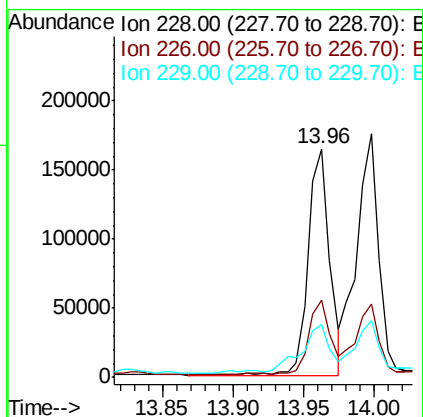
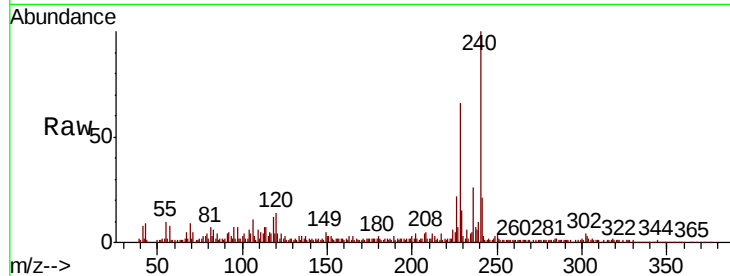




#81
Benzo(a)anthracene
Concen: 4.604 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

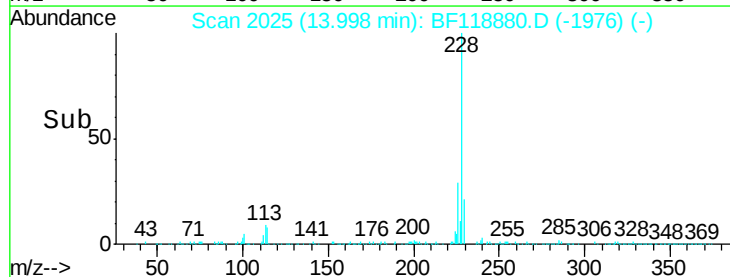
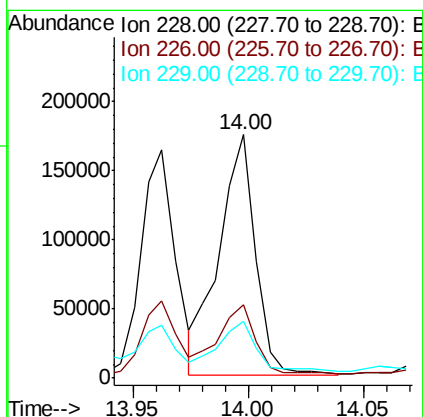
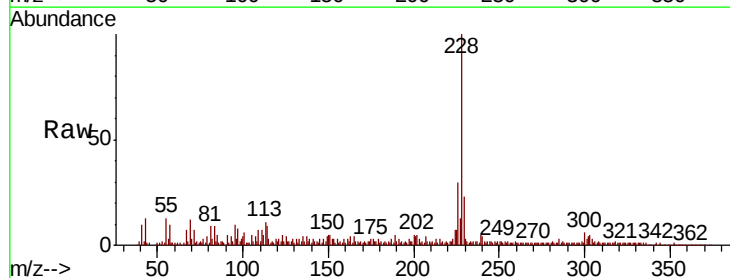
Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

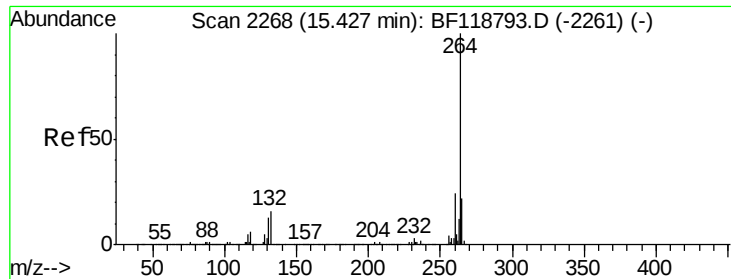
Tot Ion:228 Resp: 173450
Ion Ratio Lower Upper
228 100
226 33.7 22.7 34.1
229 23.3 16.6 25.0



#83
Chrysene
Concen: 5.035 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion:228 Resp: 190362
Ion Ratio Lower Upper
228 100
226 30.1 25.4 38.0
229 23.0 16.9 25.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.00 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

Instrument :

BNA_F

ClientSampleId :

SPARTA-TSB

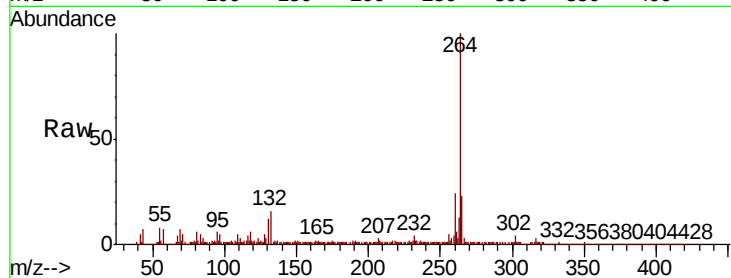
Tot Ion:264 Resp: 701106

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

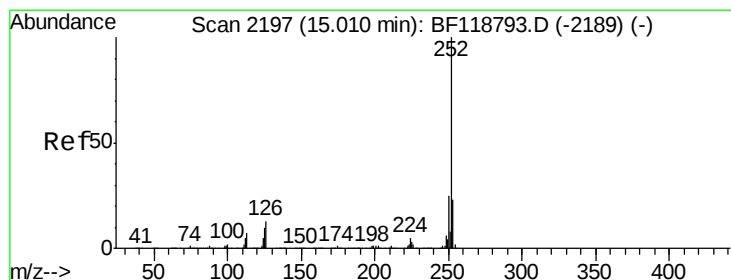
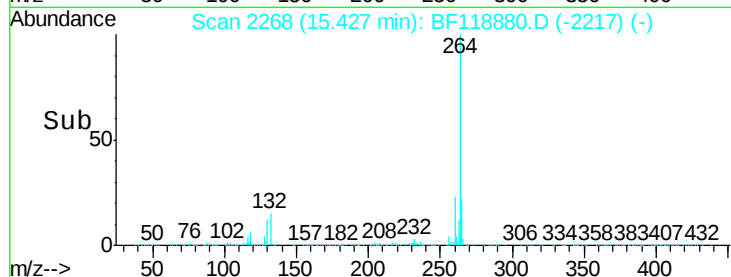
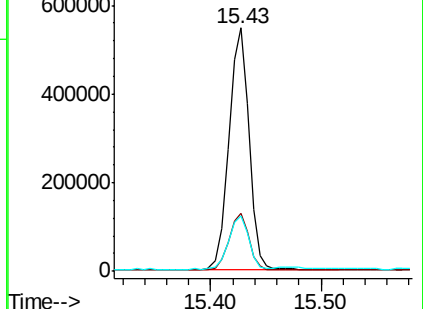
265 22.9 17.2 25.8



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: 8.428 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

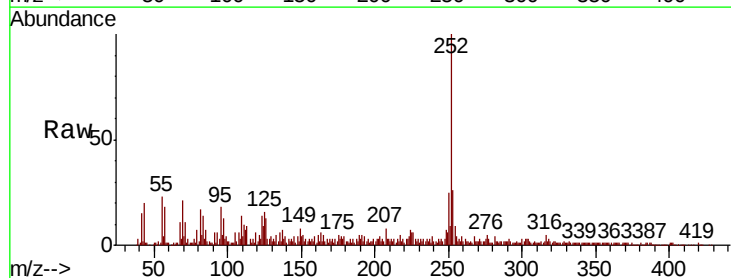
Tgt Ion:252 Resp: 366675

Ion Ratio Lower Upper

252 100

253 25.9 18.4 27.6

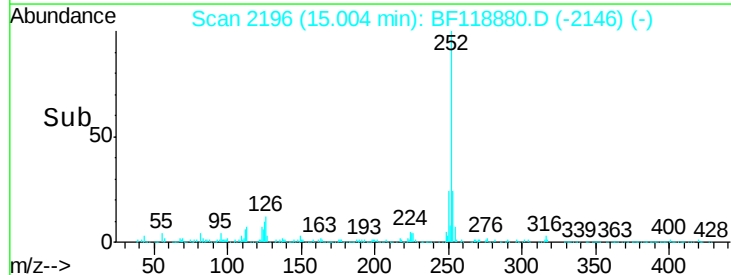
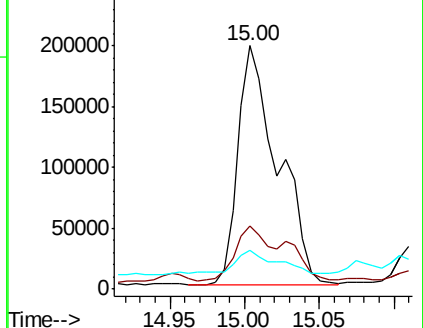
125 15.7 8.1 12.1#

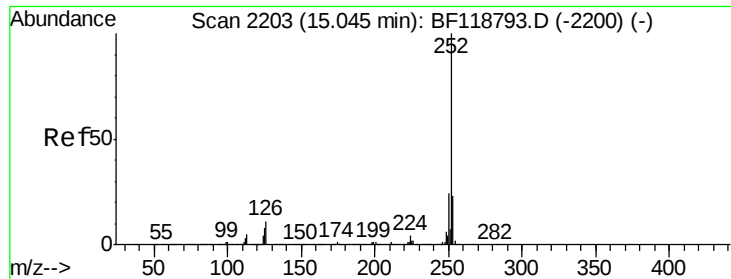


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

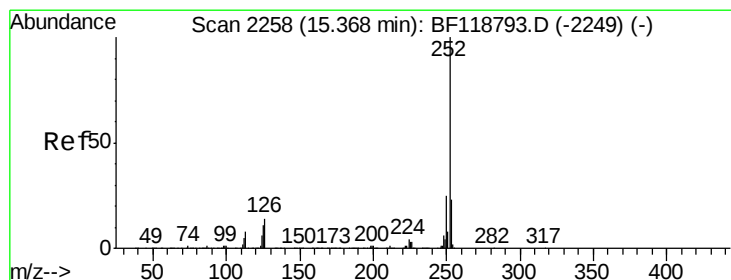
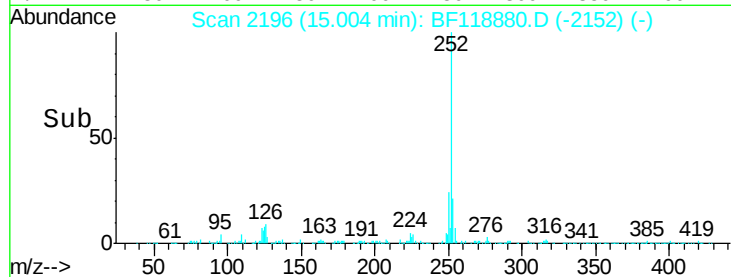
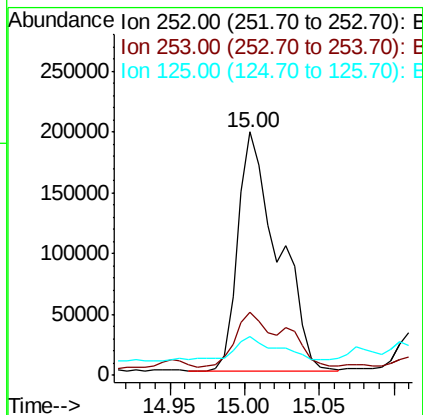
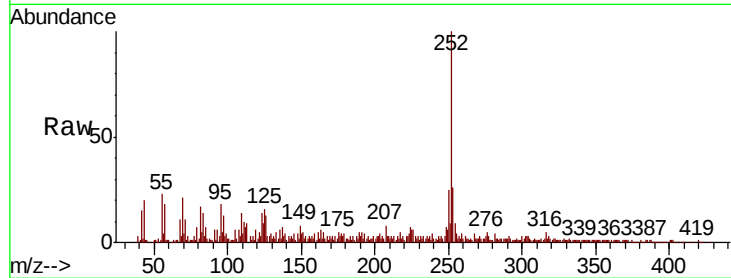




#89
Benzo(k)fluoranthene
Concen: 9.679 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

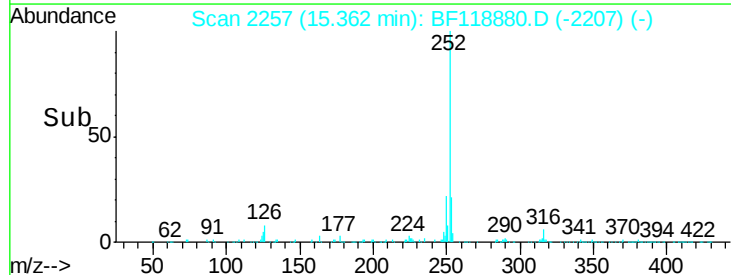
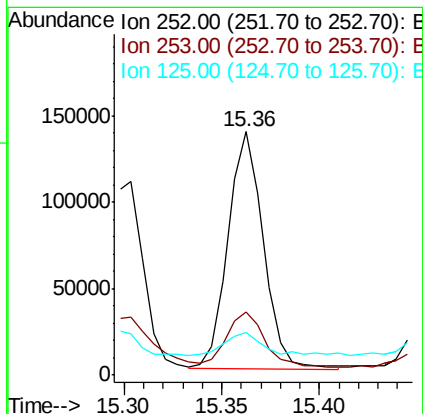
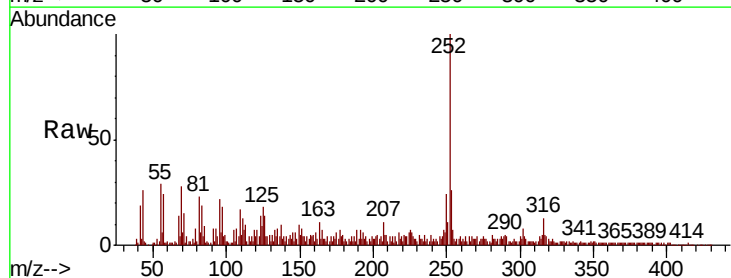
Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

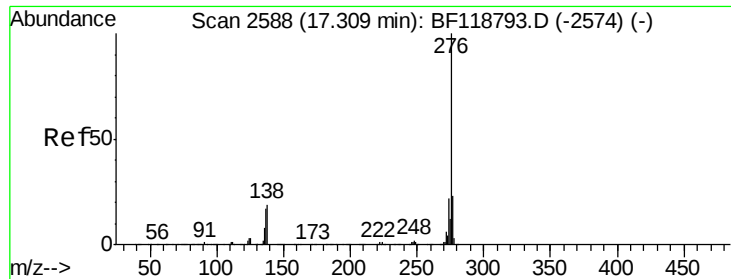
Tot Ion:252 Resp: 366675
Ion Ratio Lower Upper
252 100
253 25.9 18.2 27.4
125 15.7 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 4.624 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion:252 Resp: 172174
Ion Ratio Lower Upper
252 100
253 26.1 18.1 27.1
125 17.6 8.7 13.1#

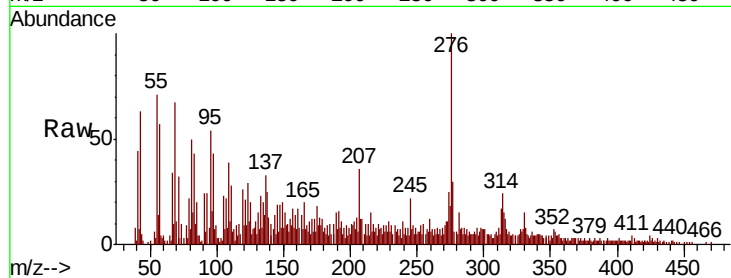




#92
 Benzo(a,h,i)perylene
 Concen: 2.210 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. -0.00 min
 Lab File: BF118880.D
 Acq: 10 Feb 2020 20:46

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TSB

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.0	18.7	28.1
138	25.1	15.4	23.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

