

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095445.D
 Acq On : 26 May 2017 2:49
 Operator : SJ/MA
 Sample : I3200-11 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 04:20:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

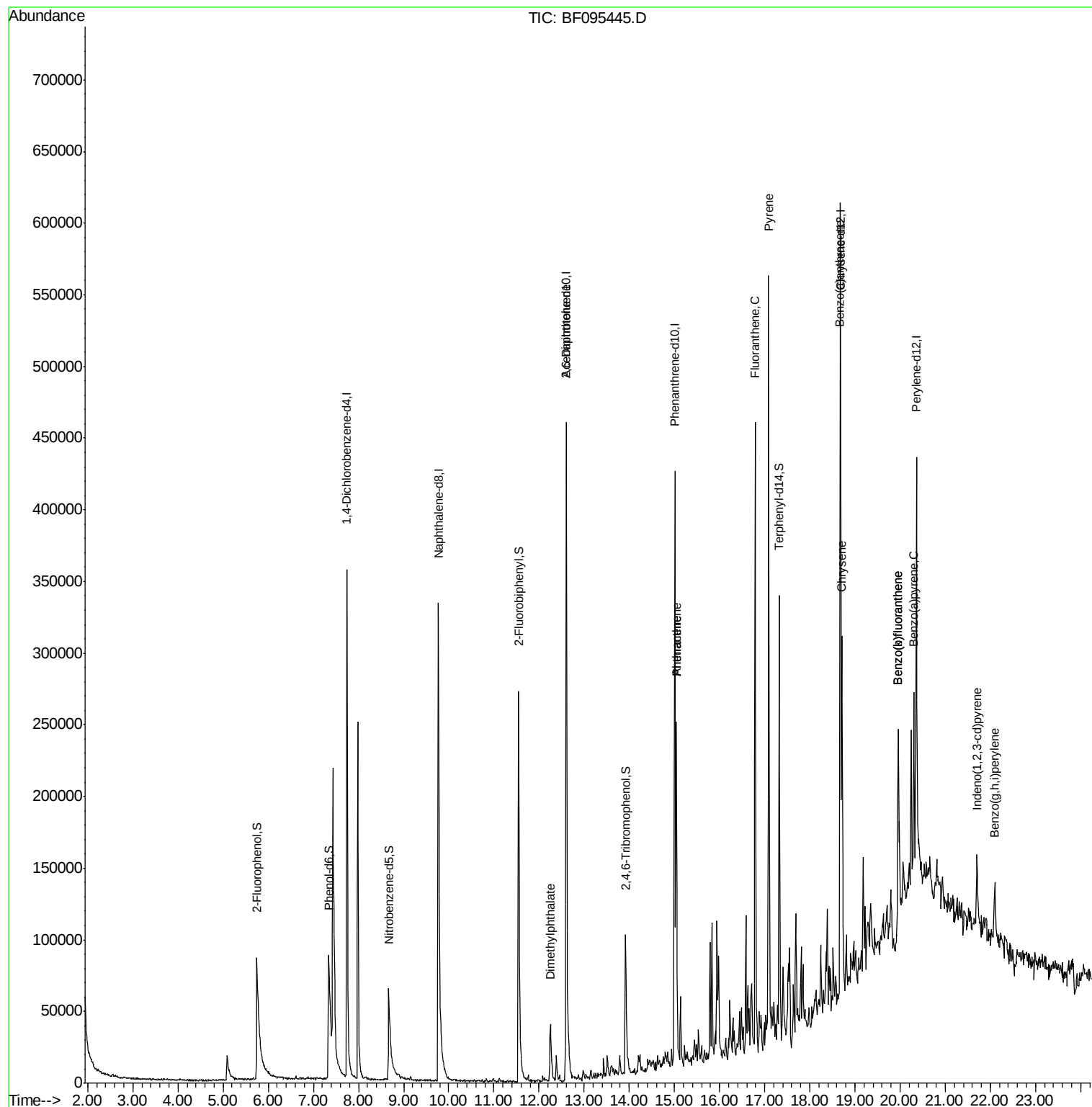
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	96997	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	394112	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	168069	20.00	ng	-0.02
63) Phenanthrene-d10	15.01	188	248194	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	195004	20.00	ng	-0.02
86) Perylene-d12	20.36	264	139275	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	110233	18.95	ng	0.01
7) Phenol-d6	7.34	99	158533	22.71	ng	0.02
23) Nitrobenzene-d5	8.67	82	72149	11.54	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	25101	18.24	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	197772	16.94	ng	-0.01
78) Terphenyl-d14	17.32	244	121650	13.74	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	44939	3.26	ng	# 99
50) 2,6-Dinitrotoluene	12.60	165	18305	6.50	ng	# 31
70) Phenanthrene	15.04	178	144913	10.16	ng	96
71) Anthracene	15.04	178	144913	9.95	ng	96
74) Fluoranthene	16.79	202	241721	16.52	ng	100
77) Pyrene	17.09	202	264661	18.15	ng	97
80) Benzo(a)anthracene	18.67	228	108728	9.58	ng	97
82) Chrysene	18.71	228	119439	10.88	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	29918	3.36	ng	95
87) Benzo(b)fluoranthene	19.95	252	110015	12.78	ng	96
88) Benzo(k)fluoranthene	19.95	252	108795	13.11	ng	96
89) Benzo(a)pyrene	20.31	252	62752	7.90	ng	99
91) Benzo(a,h,i)perylene	22.09	276	34634	5.38	ng	# 95

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

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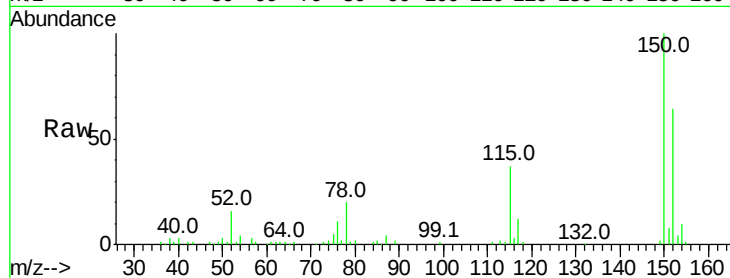


#1

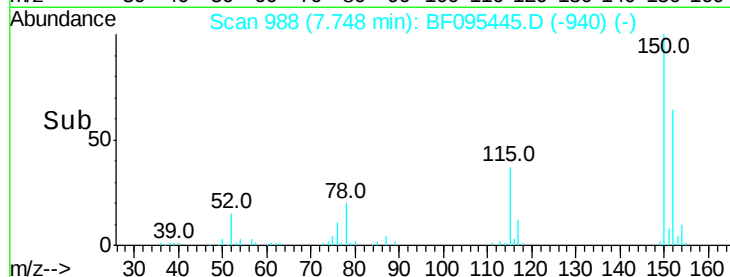
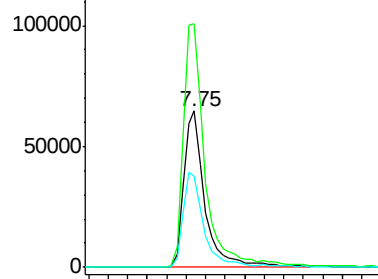
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96997
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 58.4 52.2 78.2



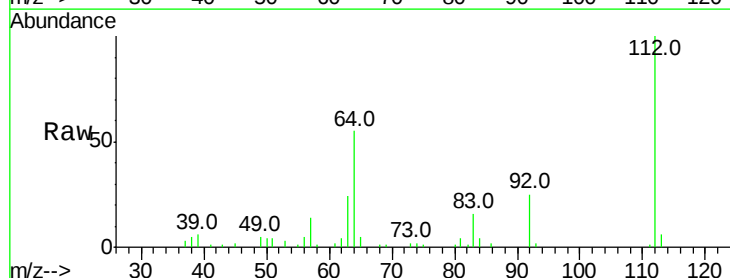
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



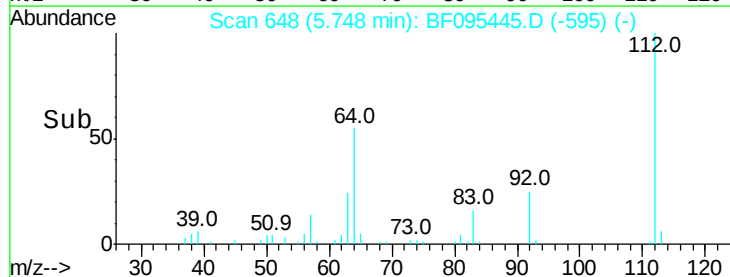
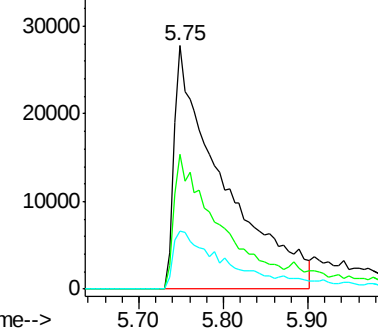
#5

2-Fluorophenol
Concen: 18.95 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion:112 Resp: 110233
Ion Ratio Lower Upper
112 100
64 55.4 46.0 69.0
63 23.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.71 ng

RT: 7.34 min Scan# 918

Delta R.T. 0.02 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

Instrument :

BNA_F

ClientSampleId :

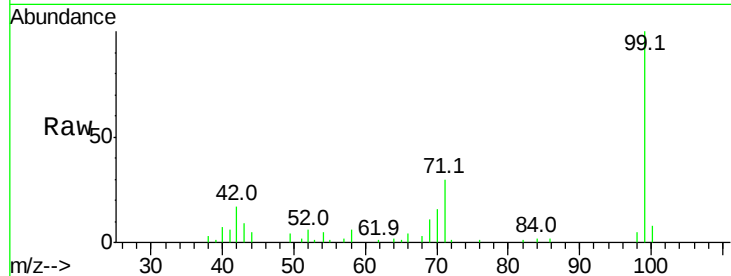
Tot Ion: 99 Resp: 158533

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

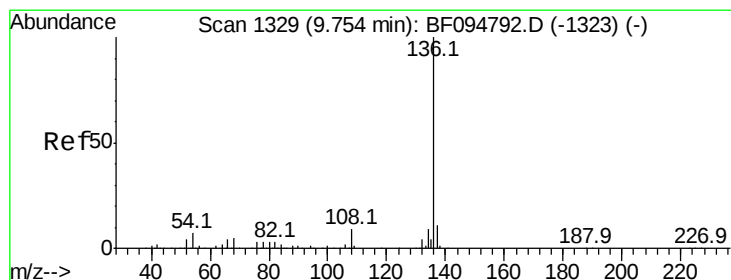
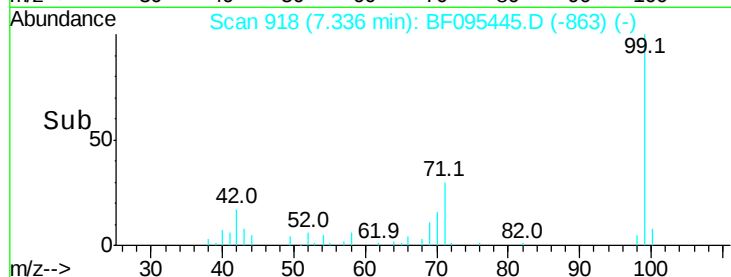
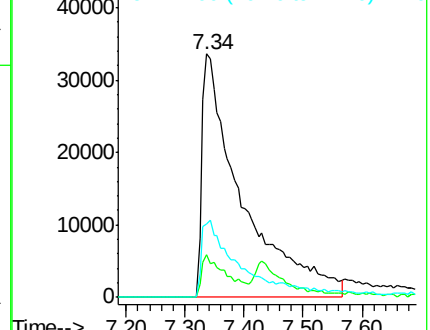
71 29.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

Tgt Ion: 136 Resp: 394112

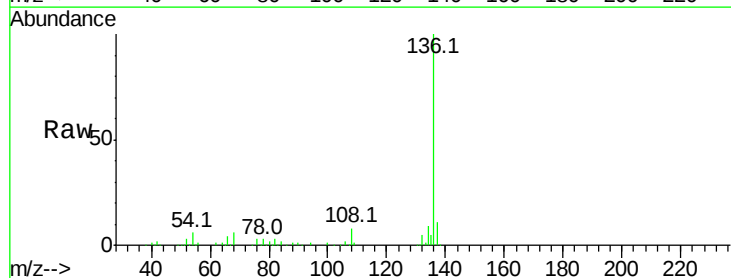
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.0 4.9 7.3

68 5.7 4.1 6.1

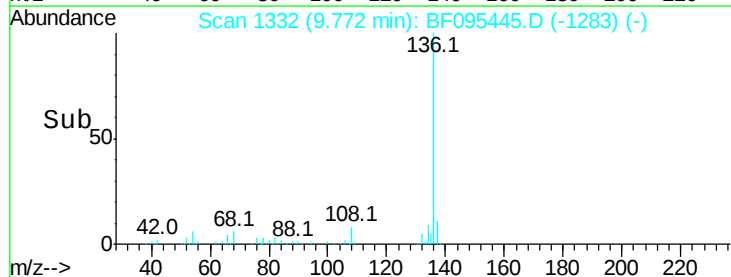
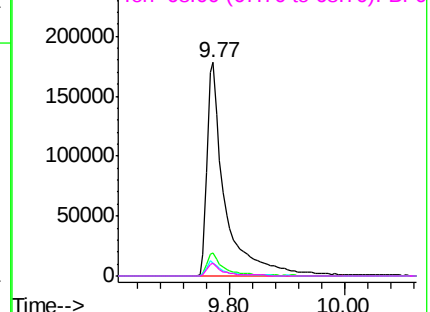


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

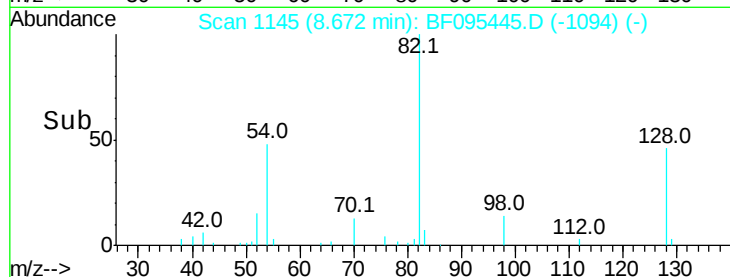
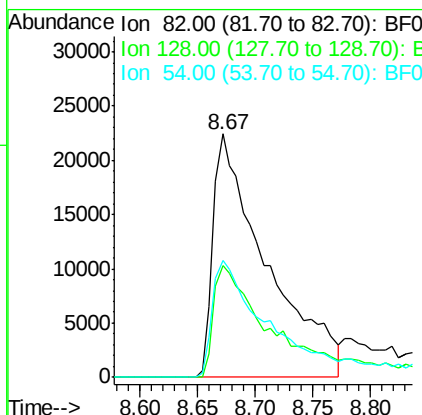
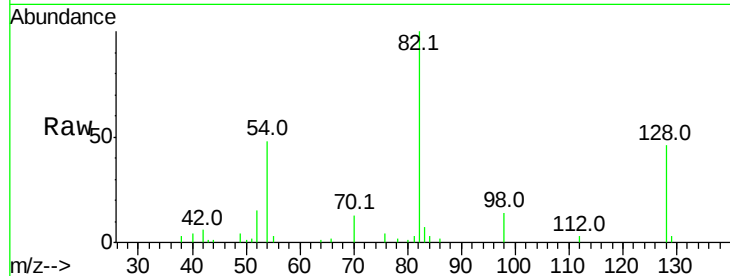




#23
 Nitrobenzene-d5
 Concen: 11.54 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

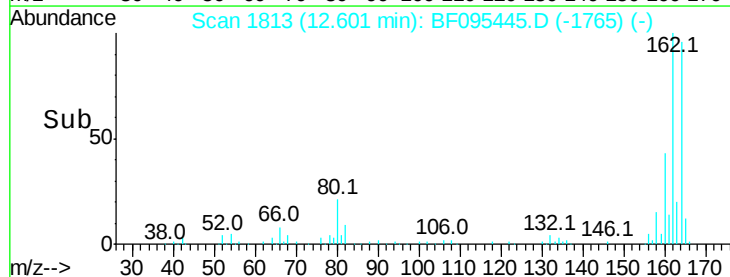
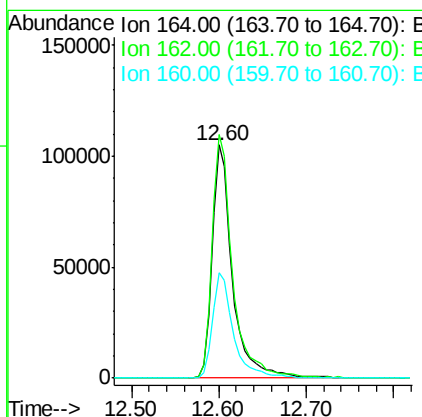
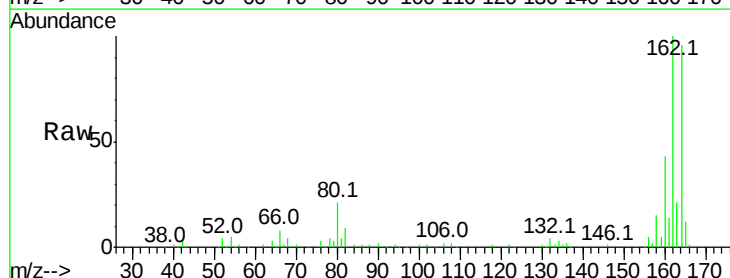
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	72149
Ion Ratio	Lower	Upper	
82	100		
128	45.8	34.0	51.0
54	47.9	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Tgt Ion	164	Resp	168069
Ion Ratio	Lower	Upper	
164	100		
162	104.3	82.6	123.8
160	45.0	36.2	54.2

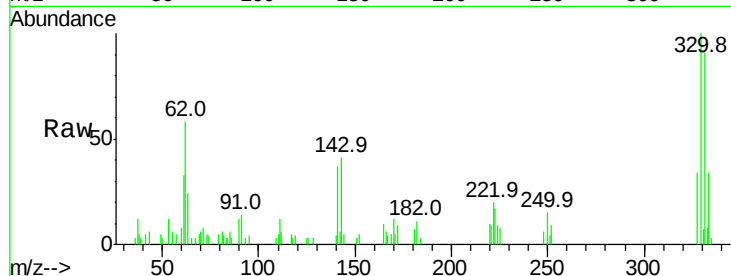




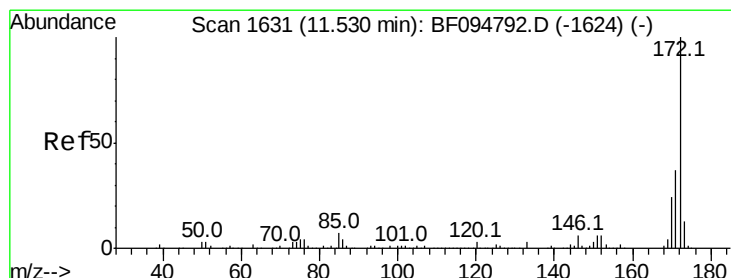
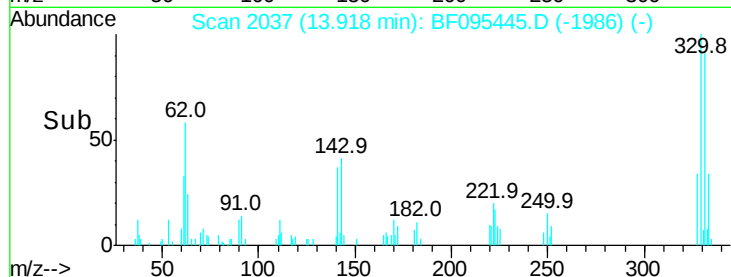
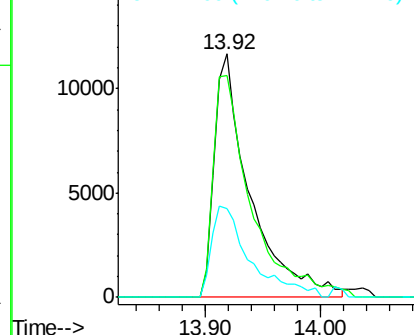
#41
 2,4,6-Tribromophenol
 Concen: 18.24 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	40.7	31.4	47.2

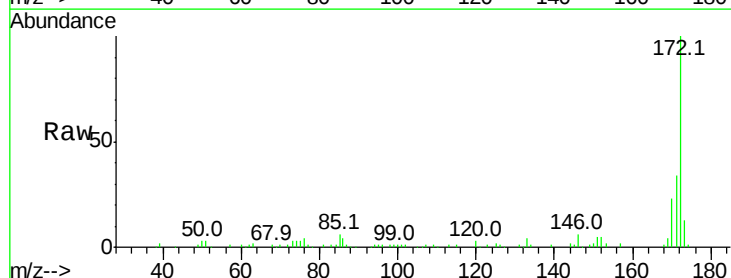


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

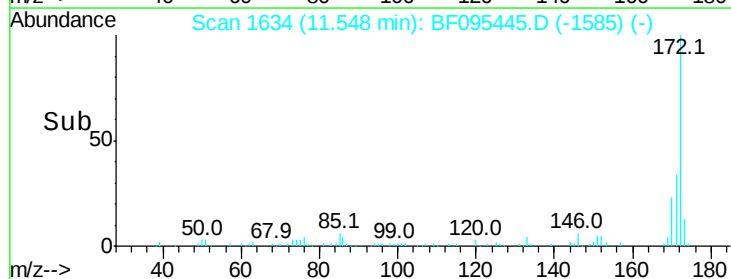
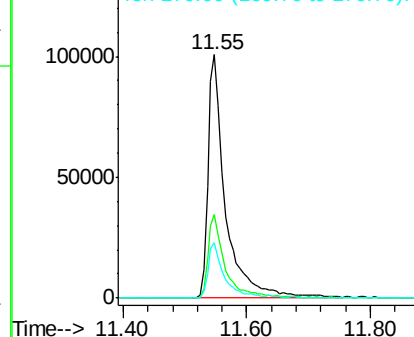


#44
 2-Fluorobiphenyl
 Concen: 16.94 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	22.6	19.8	29.8



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





#49

Dimethylphthalate

Concen: 3.26 ng

RT: 12.25 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

Instrument :

BNA_F

ClientSampled :

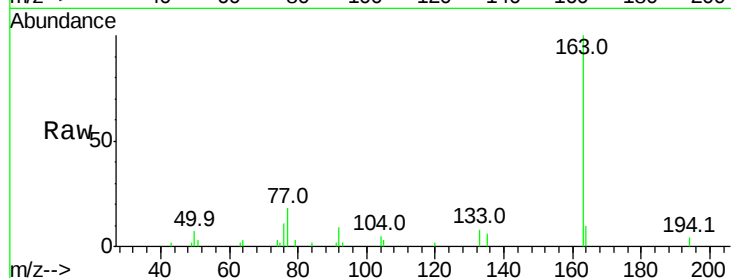
Tot Ion:163 Resp: 44939

Ion Ratio Lower Upper

163 100

194 4.2 2.6 4.0#

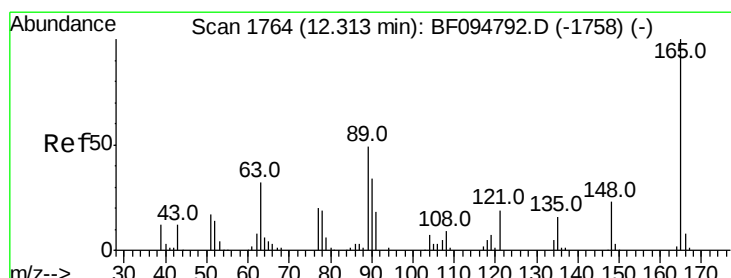
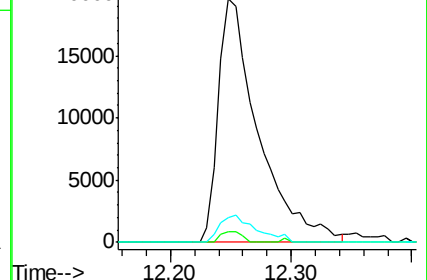
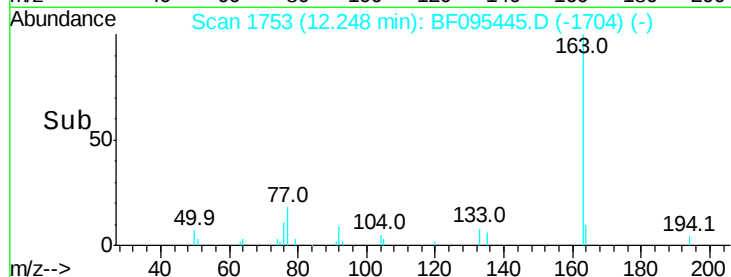
164 10.4 8.4 12.6



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

2,6-Dinitrotoluene

Concen: 6.50 ng

RT: 12.60 min Scan# 1813

Delta R.T. 0.24 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

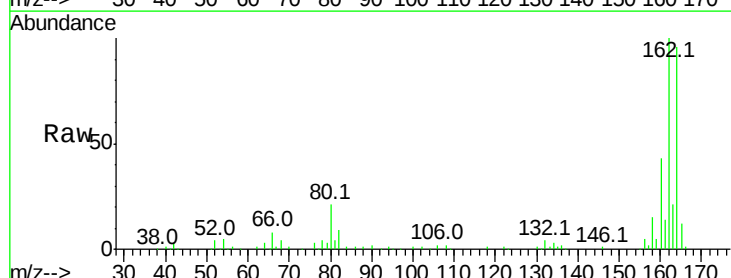
Tgt Ion:165 Resp: 18305

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

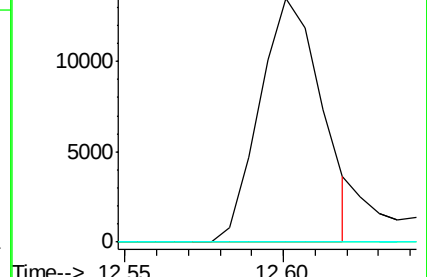
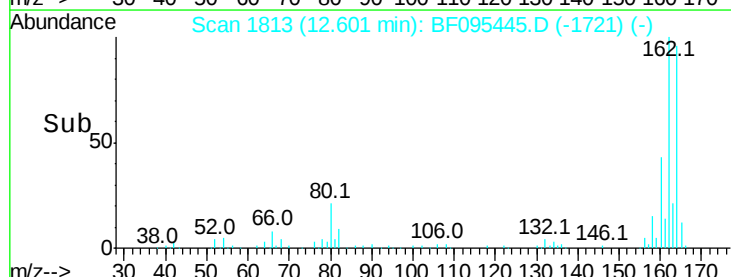
89 0.0 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

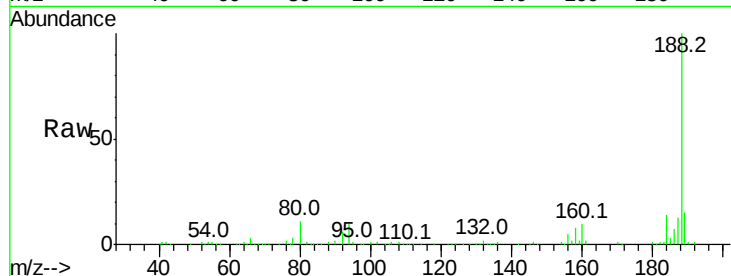




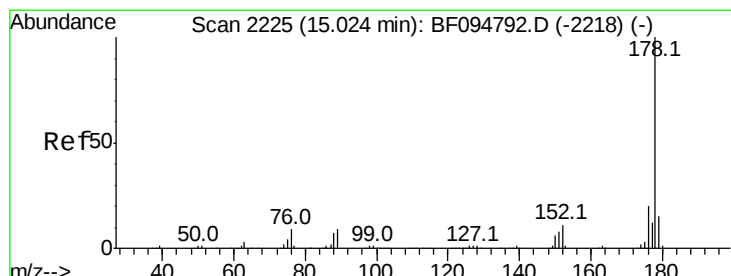
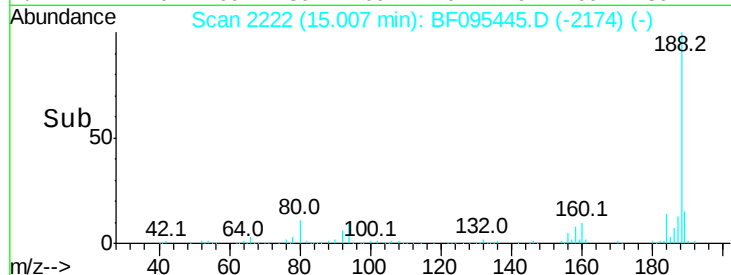
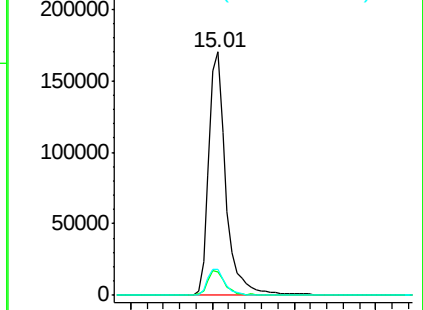
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 248194
 Ion Ratio Lower Upper
 188 100
 94 9.8 9.4 14.2
 80 10.8 10.2 15.2

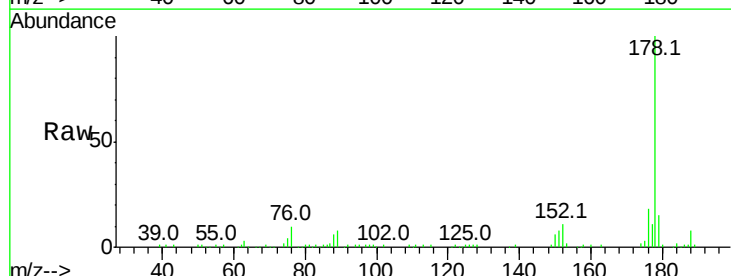


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

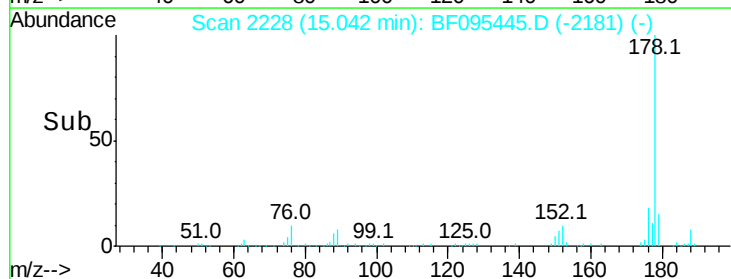
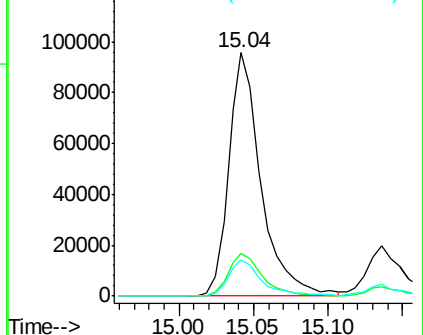


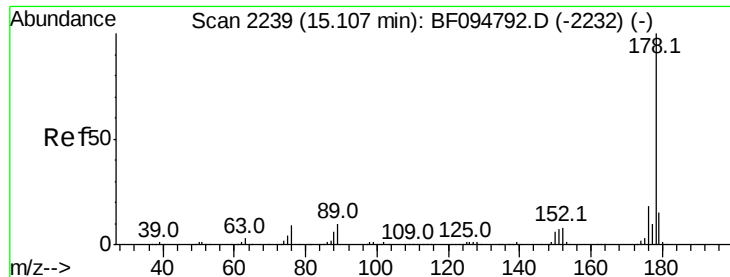
#70
 Phenanthrene
 Concen: 10.16 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Tgt Ion:178 Resp: 144913
 Ion Ratio Lower Upper
 178 100
 176 17.7 16.2 24.4
 179 14.7 12.6 19.0



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

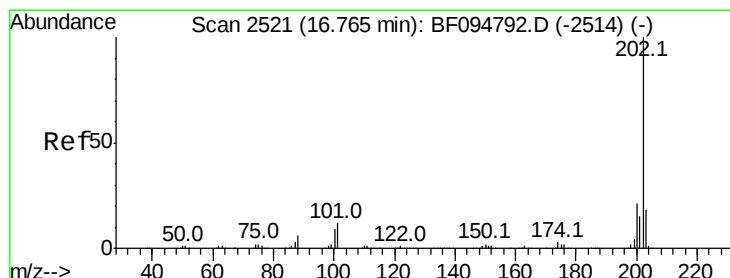
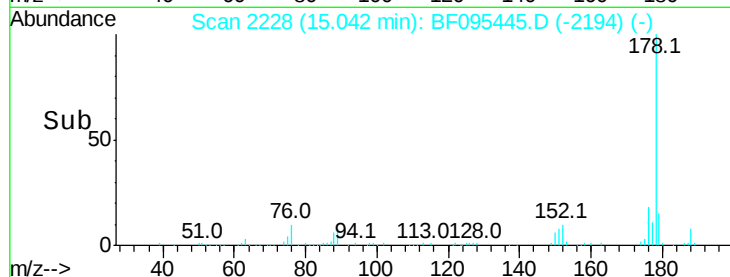
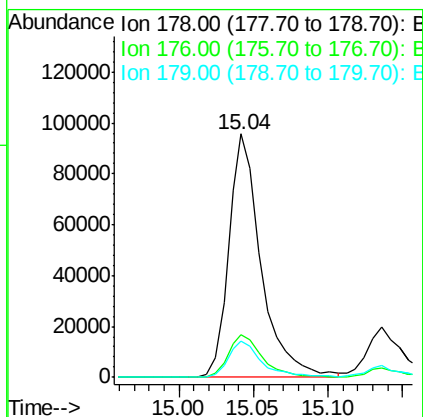
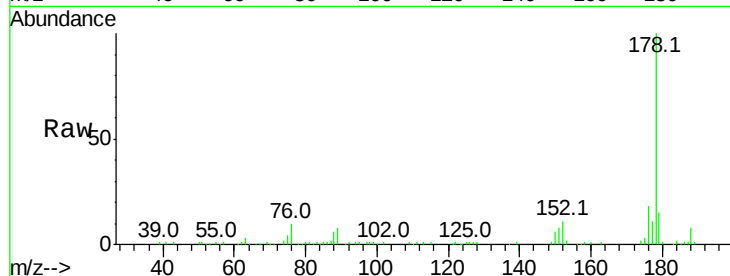




#71
 Anthracene
 Concen: 9.95 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.10 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

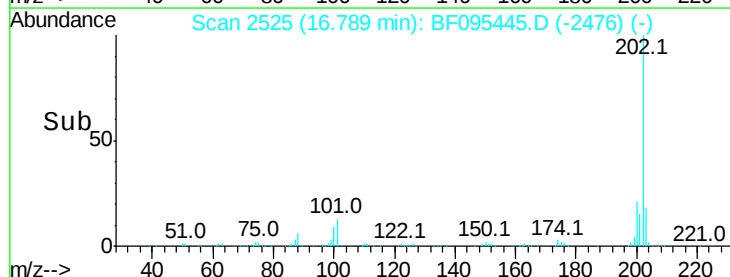
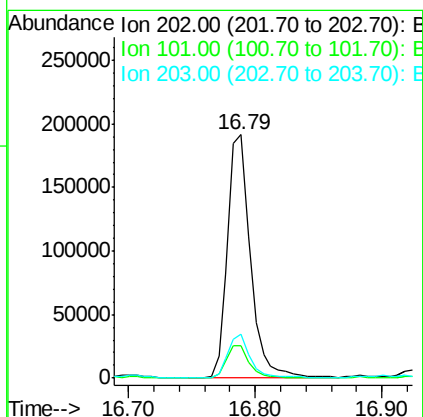
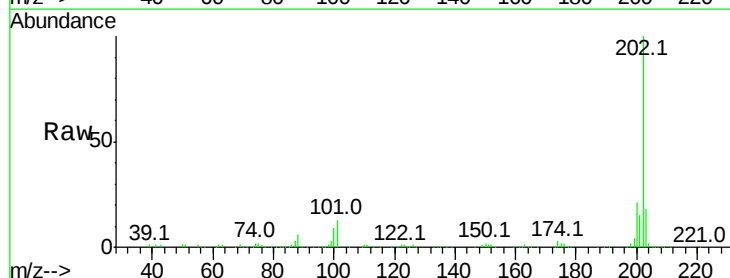
Instrument :
 BNA_F
 ClientSampleId :

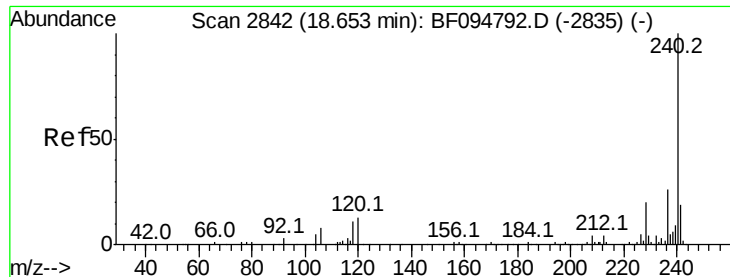
Tot Ion:178 Resp: 144913
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.8 23.8
 179 14.7 12.7 19.1



#74
 Fluoranthene
 Concen: 16.52 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Tgt Ion:202 Resp: 241721
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 33.2
 203 18.1 0.0 38.1

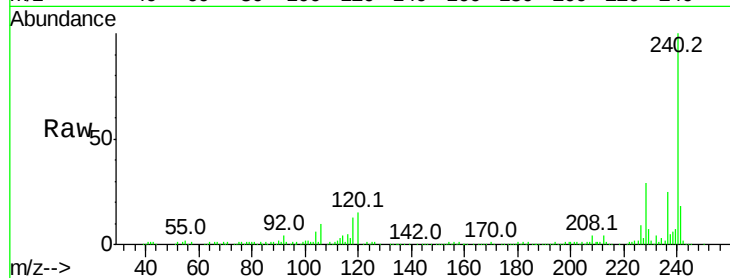




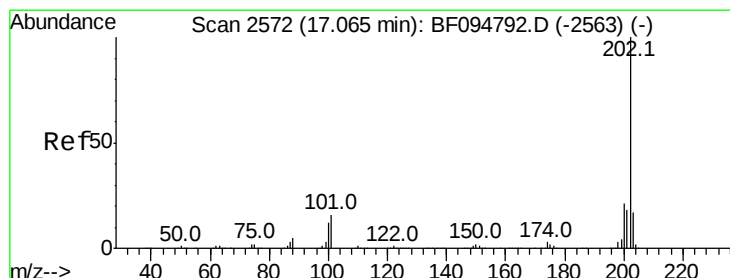
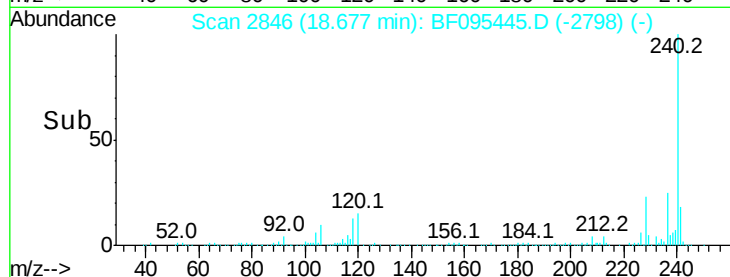
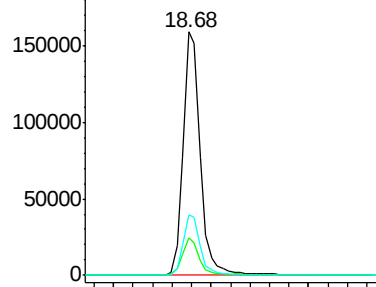
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.02 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 195004
 Ion Ratio Lower Upper
 240 100
 120 15.5 5.8 8.8#
 236 24.7 20.5 30.7

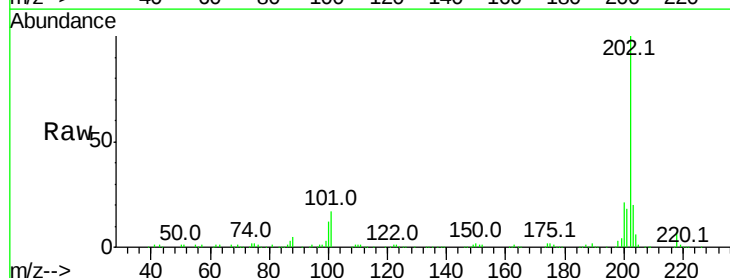


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

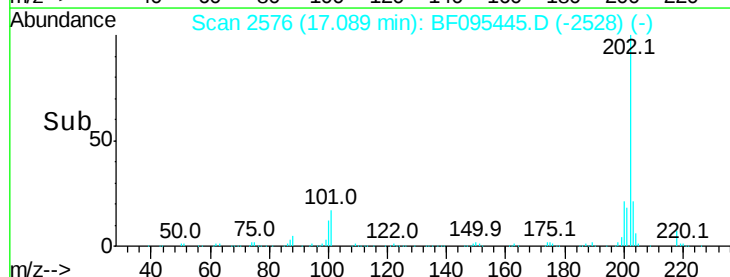
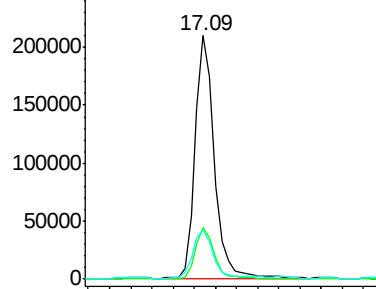


#77
 Pyrene
 Concen: 18.15 ng
 RT: 17.09 min Scan# 2576
 Delta R.T. -0.02 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Tgt Ion:202 Resp: 264661
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.6 26.4
 203 20.2 14.4 21.6



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

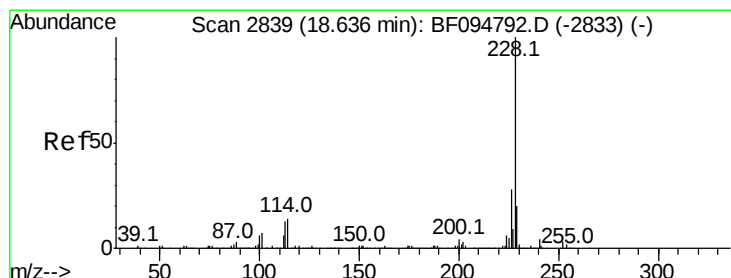
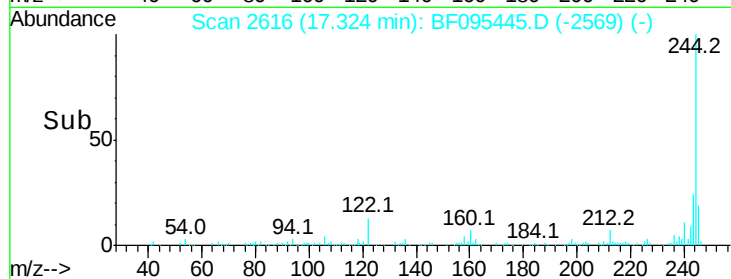
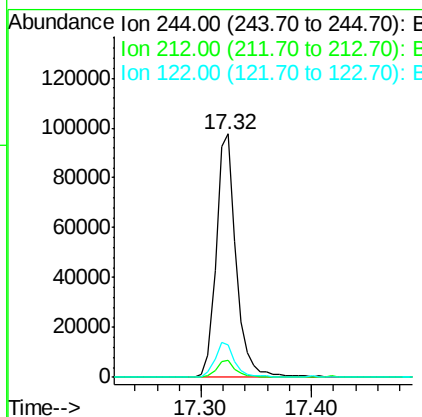
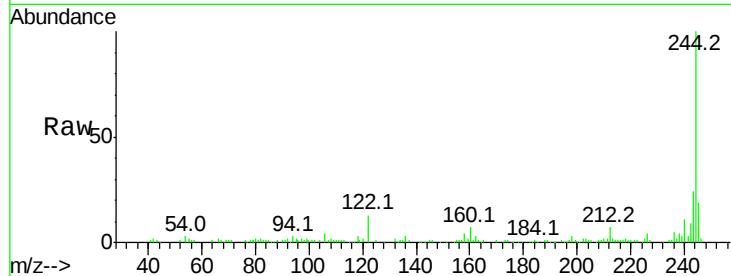




#78
 Terphenyl-d14
 Concen: 13.74 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

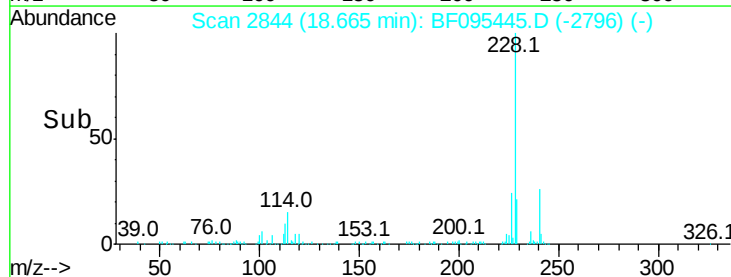
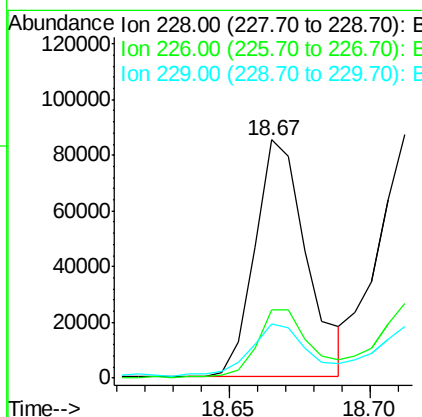
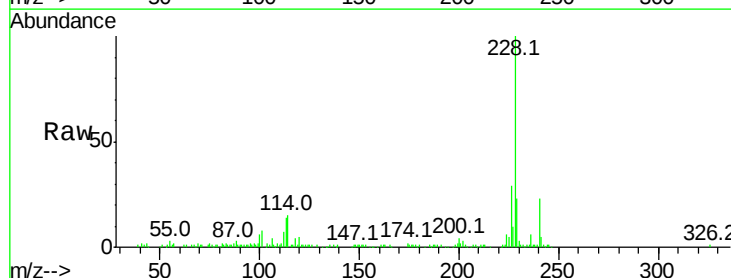
Instrument :
 BNA_F
 ClientSampleId :

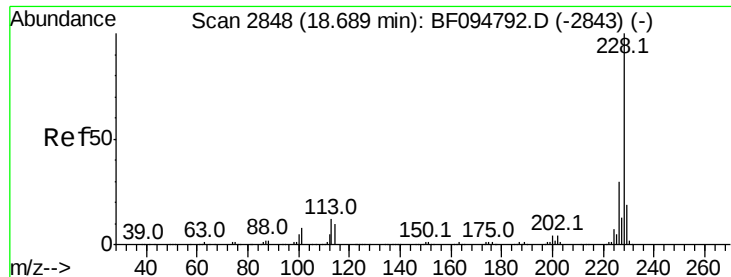
Tot Ion:244 Resp: 121650
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 9.58 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.02 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Tgt Ion:228 Resp: 108728
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 22.8 16.3 24.5





#82

Chrysene

Concen: 10.88 ng

RT: 18.71 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

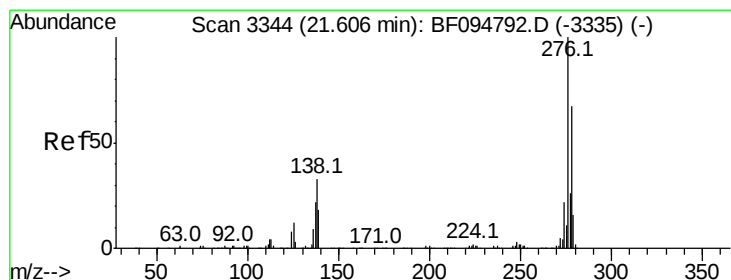
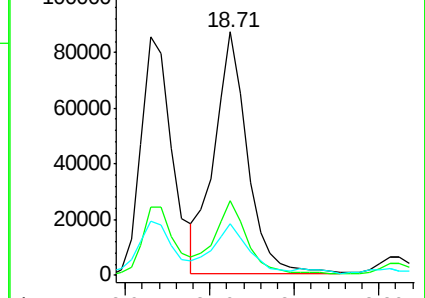
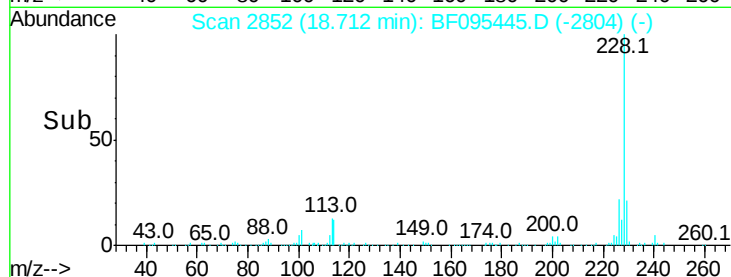
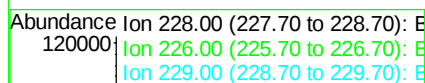
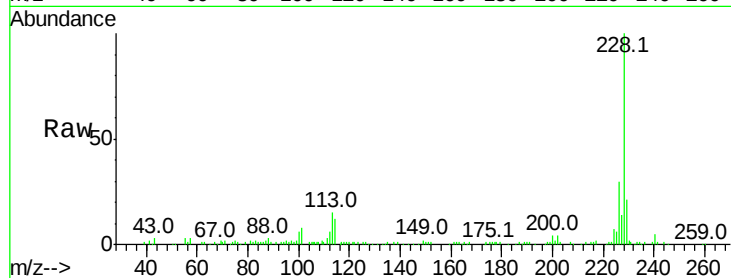
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 119439

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	21.0	15.8	23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.36 ng

RT: 21.71 min Scan# 3361

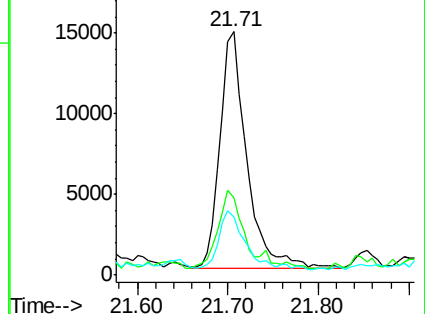
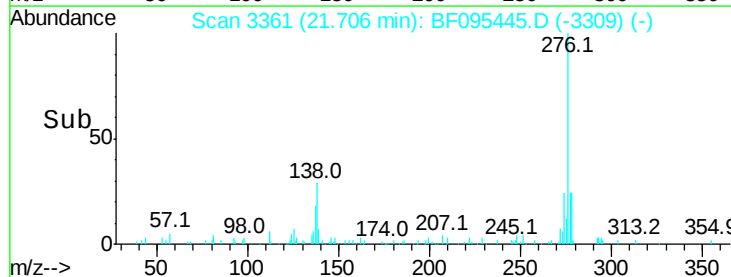
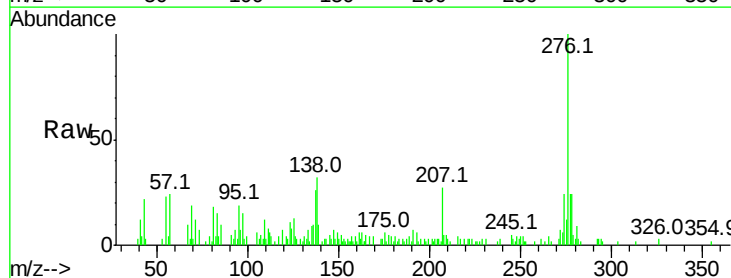
Delta R.T. 0.01 min

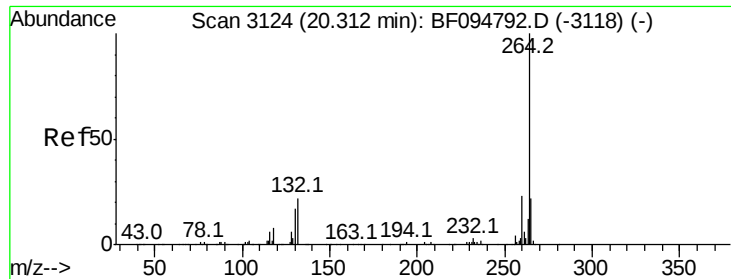
Lab File: BF095445.D

Acq: 26 May 2017 2:49

Tgt Ion:276 Resp: 29918

Ion	Ratio	Lower	Upper
276	100		
138	32.7	27.8	41.6
277	21.7	20.2	30.4

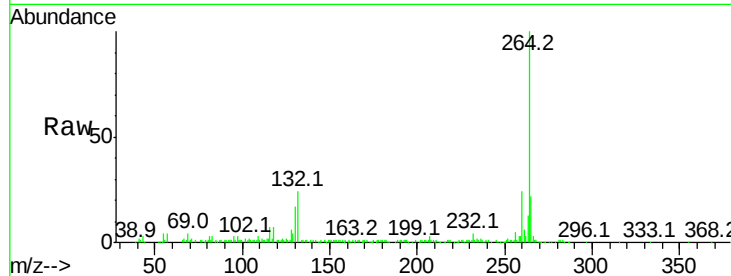




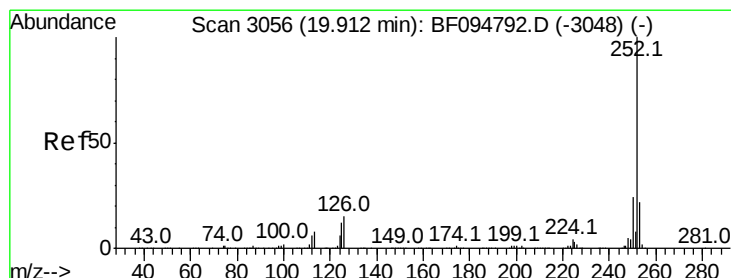
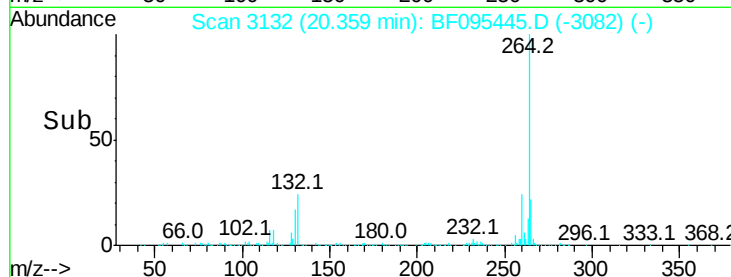
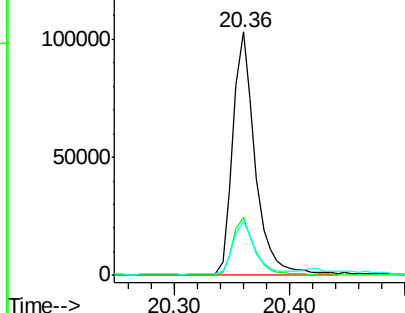
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 139275
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 22.0 17.2 25.8

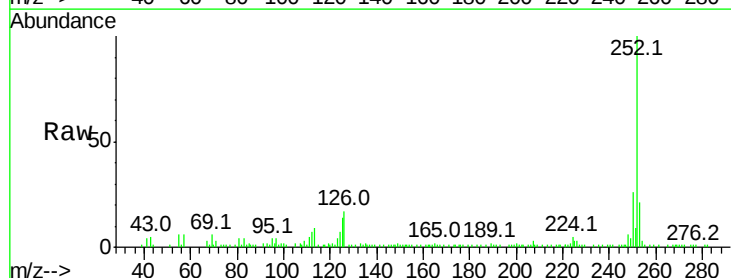


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

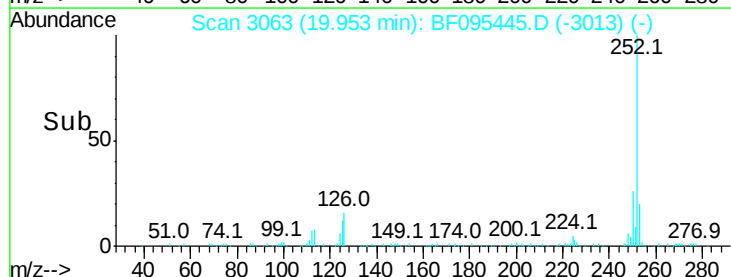
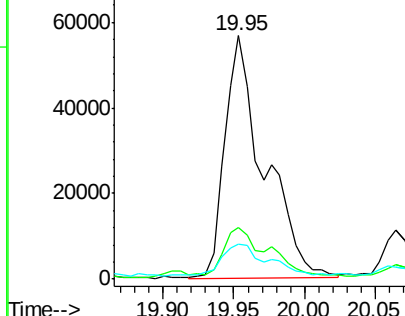


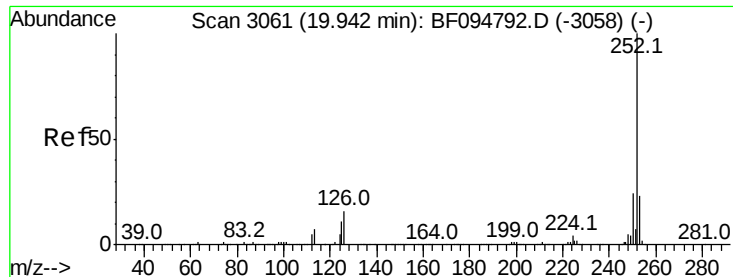
#87
Benzo(b)fluoranthene
Concen: 12.78 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion:252 Resp: 110015
Ion Ratio Lower Upper
252 100
253 21.0 18.1 27.1
125 14.4 9.8 14.8



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

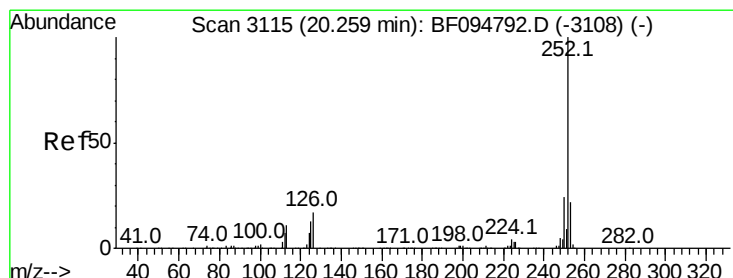
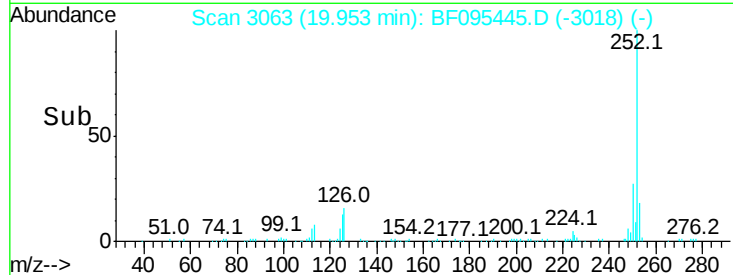
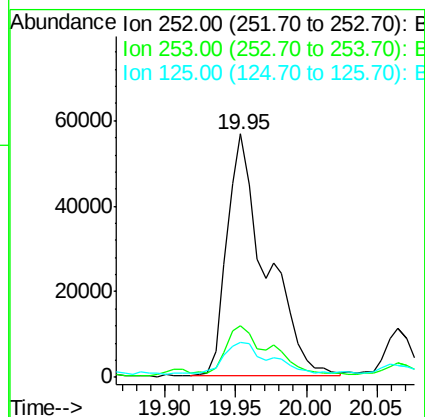
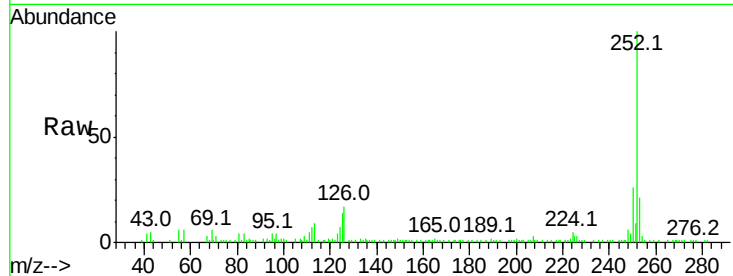




#88
Benzo(k)fluoranthene
Concen: 13.11 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

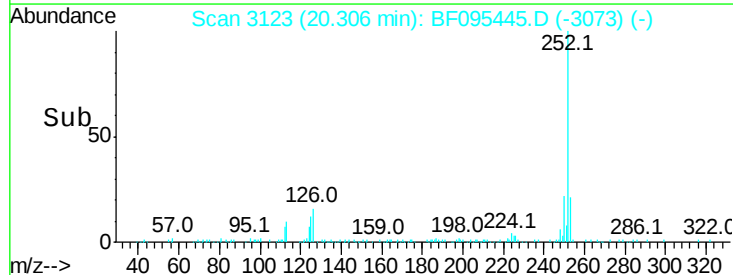
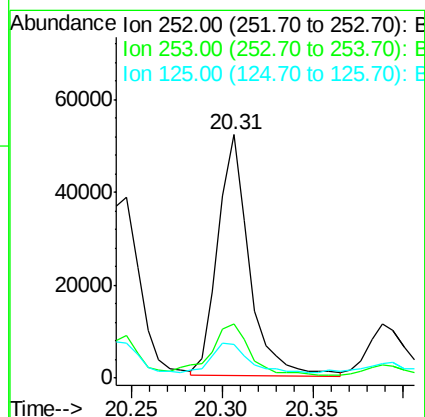
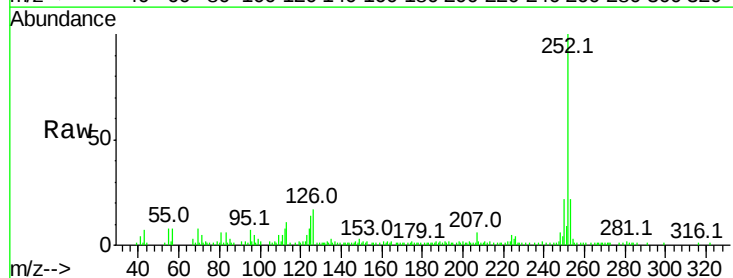
Instrument :
BNA_F
ClientSampleId :

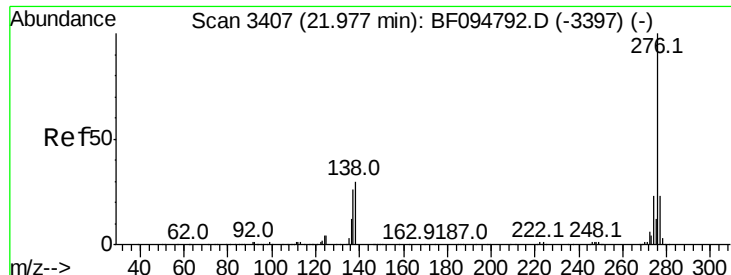
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.4	27.6
125	14.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 7.90 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	14.1	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 5.38 ng

RT: 22.09 min Scan# 3426

Delta R.T. 0.01 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

Instrument :

BNA_F

ClientSampleId :

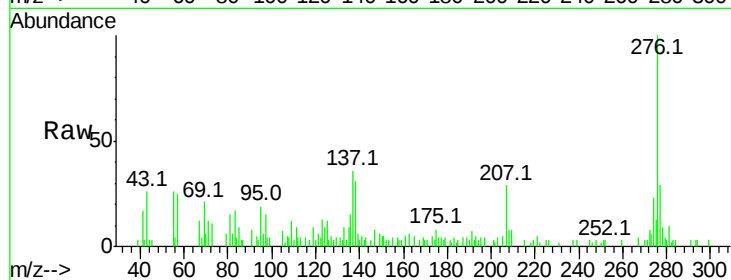
Tot Ion:276 Resp: 34634

Ion Ratio Lower Upper

276 100

277 28.9 18.6 28.0#

138 31.2 25.4 38.0



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

