

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
 Data File : BF099276.D
 Acq On : 9 Oct 2017 21:41
 Operator : SJ/JU
 Sample : I5715-10 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 10 01:13:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

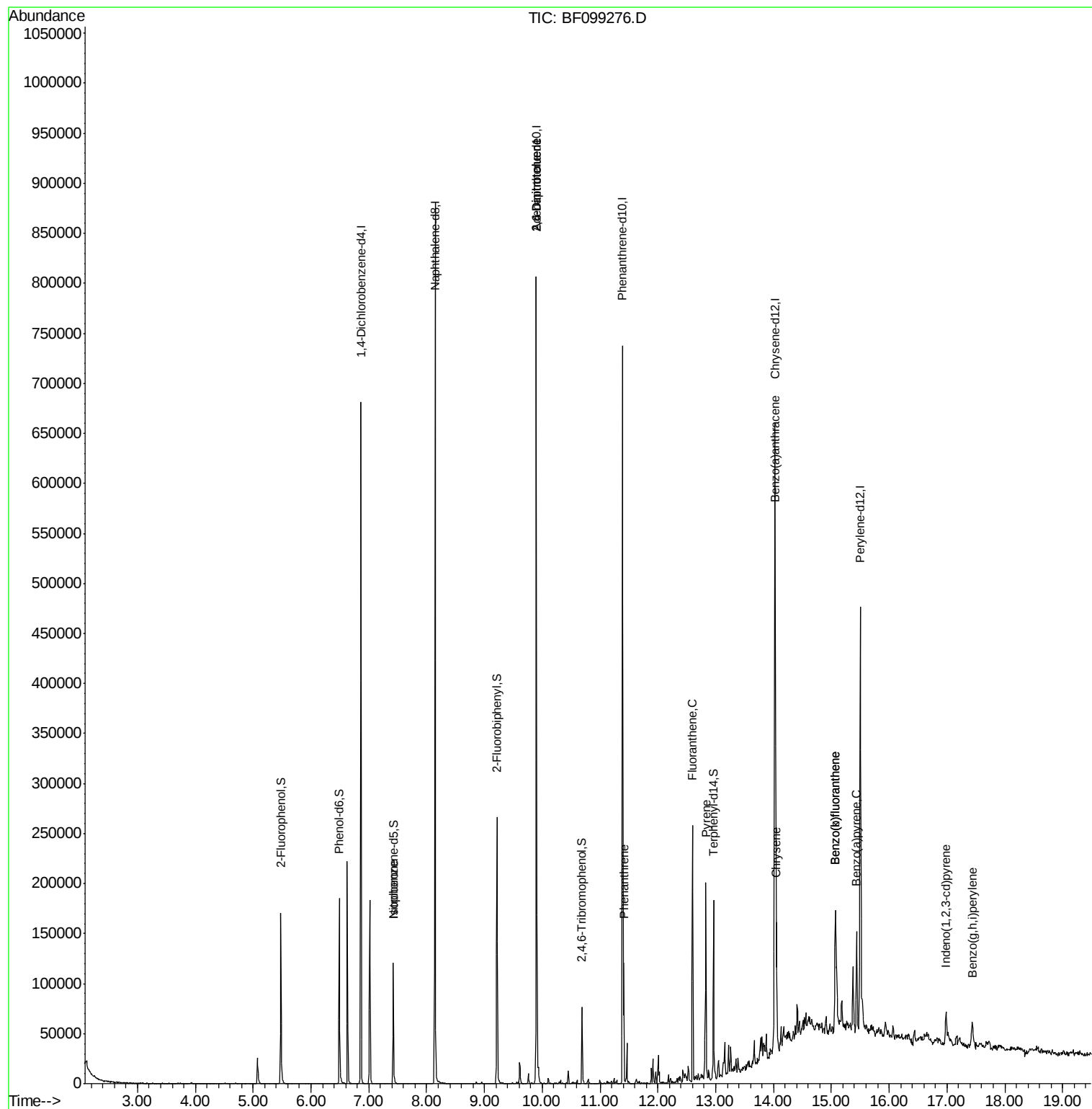
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	96116	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	384013	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	164075	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	247291	20.00	ng	0.00
75) Chrysene-d12	14.03	240	174416	20.00	ng	0.00
86) Perylene-d12	15.50	264	175992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	56668	9.39	ng	0.00
7) Phenol-d6	6.49	99	69815	9.37	ng	-0.01
23) Nitrobenzene-d5	7.42	82	38684	6.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	9435	7.03	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	86299	8.78	ng	-0.01
78) Terphenyl-d14	12.96	244	53049	6.92	ng	-0.01
Target Compounds						
25) Isophorone	7.42	82	38684	3.12	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	20199	7.49	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	20199	5.77	ng	# 23
70) Phenanthrene	11.41	178	40268	3.04	ng	99
74) Fluoranthene	12.60	202	94172	7.03	ng	99
77) Pyrene	12.83	202	81757	6.15	ng	98
80) Benzo(a)anthracene	14.02	228	54706	5.18	ng	99
82) Chrysene	14.05	228	41585	4.14	ng	96
85) Indeno(1,2,3-cd)pyrene	16.98	276	21672	2.69	ng	97
87) Benzo(b)fluoranthene	15.07	252	85502	7.90	ng	# 94
88) Benzo(k)fluoranthene	15.07	252	85502	8.00	ng	# 97
89) Benzo(a)pyrene	15.44	252	43837	4.41	ng	# 95
91) Benzo(a,h,i)perylene	17.44	276	18198	2.32	ng	# 89

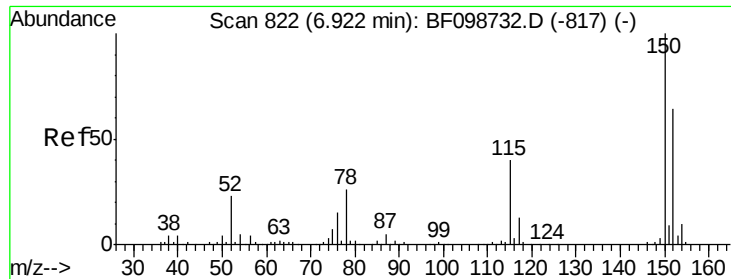
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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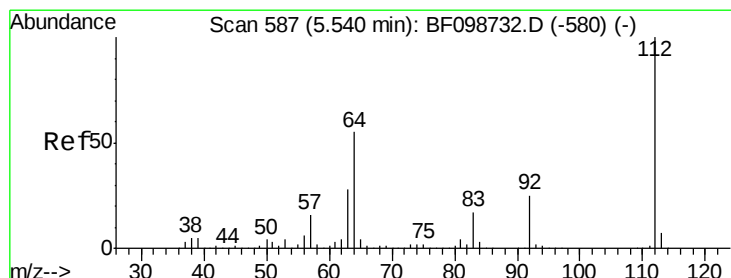
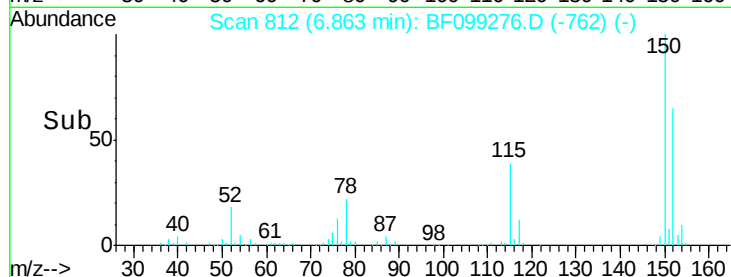
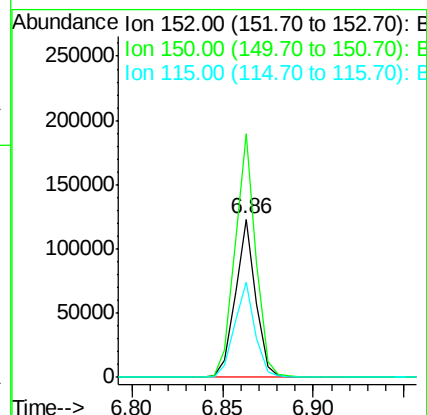
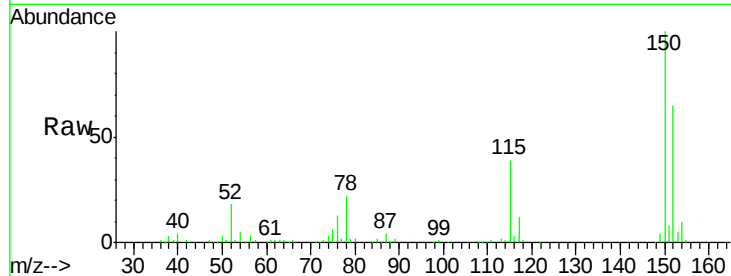


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampled :

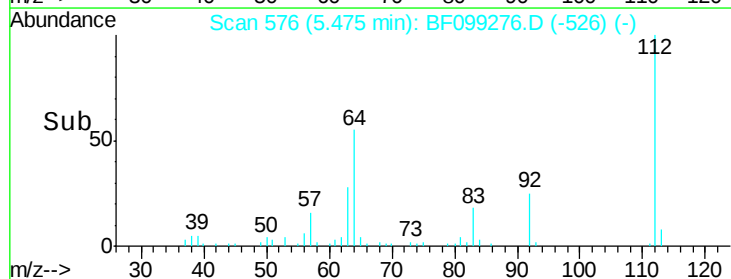
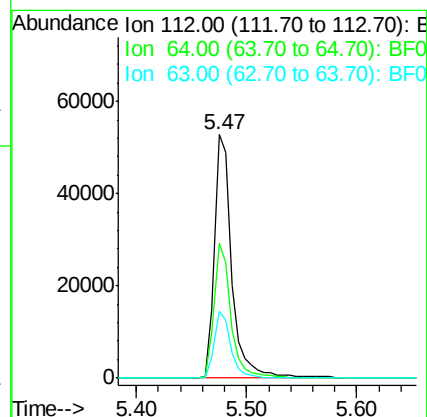
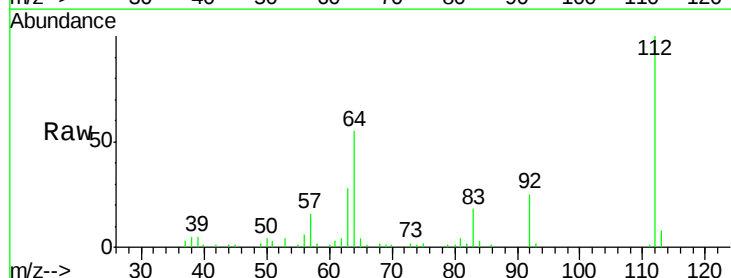
Tot Ion:152 Resp: 96116
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 60.2 50.1 75.1



#5

2-Fluorophenol
Concen: 9.39 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion:112 Resp: 56668
Ion Ratio Lower Upper
112 100
64 55.1 47.9 71.9
63 27.6 23.7 35.5





#7

Phenol-d6

Concen: 9.37 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Instrument :

BNA_F

ClientSampled :

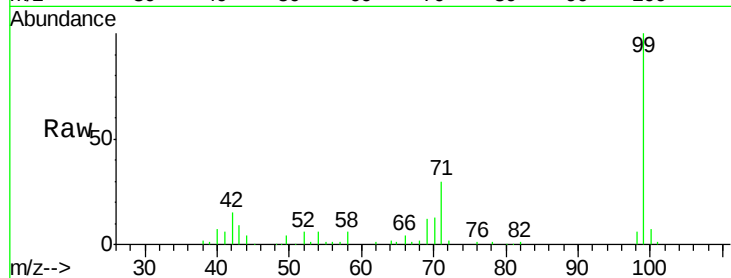
Tot Ion: 99 Resp: 69815

Ion Ratio Lower Upper

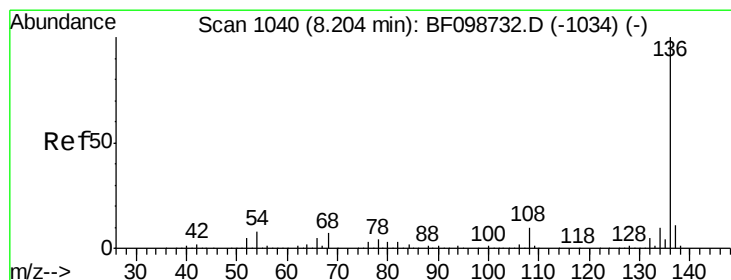
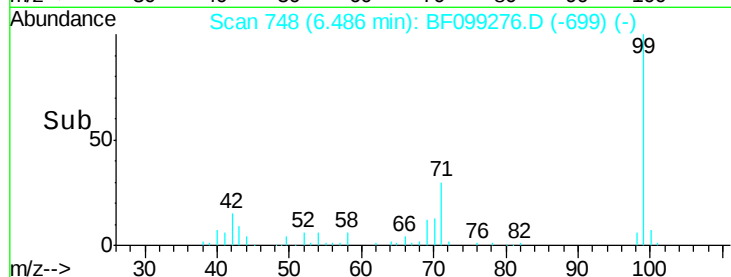
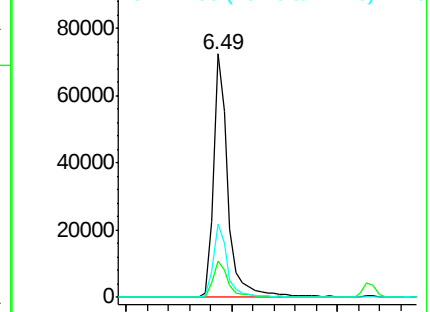
99 100

42 14.9 14.5 21.7

71 30.0 25.4 38.0



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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Tgt Ion: 136 Resp: 384013

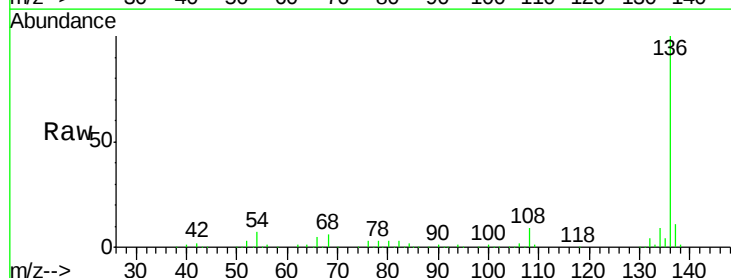
Ion Ratio Lower Upper

136 100

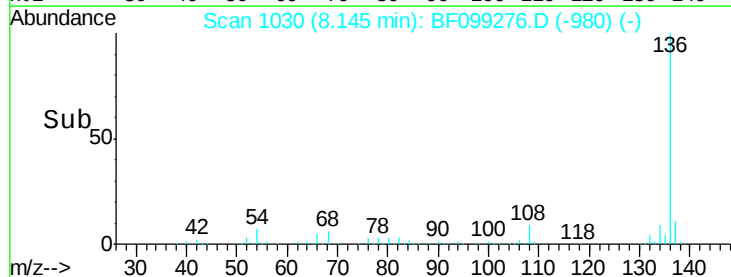
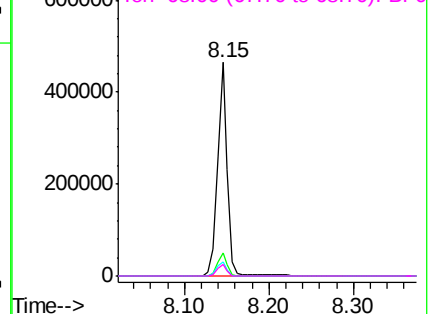
137 10.9 8.9 13.3

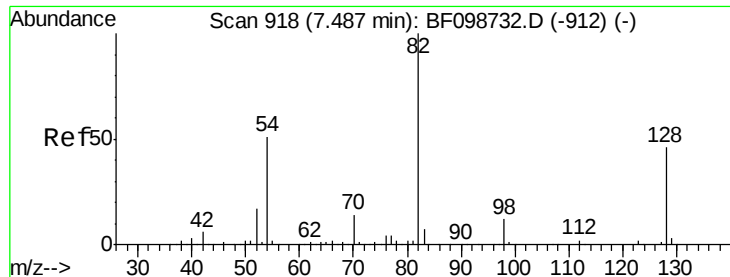
54 6.7 6.6 9.8

68 5.6 5.0 7.4



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): BF0
Ion 68.00 (67.70 to 68.70): BF0

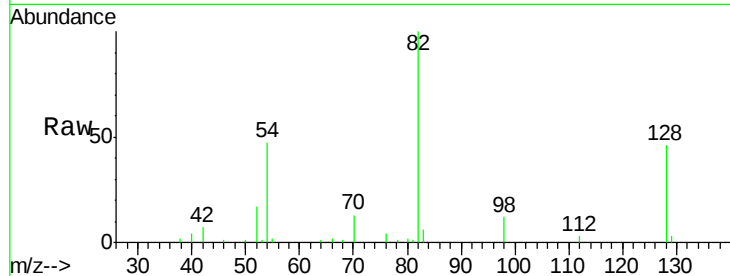




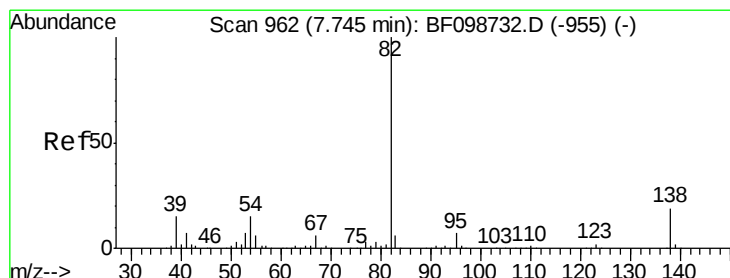
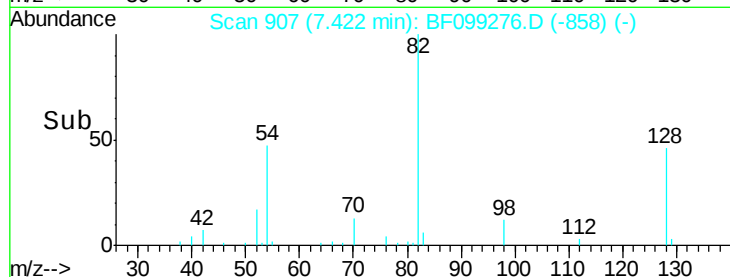
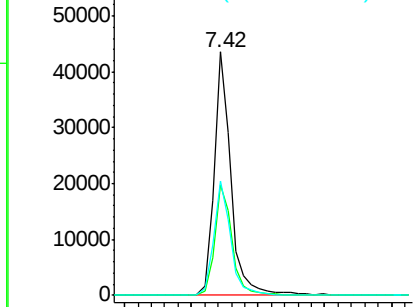
#23
 Nitrobenzene-d5
 Concen: 6.46 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099276.D
 Acq: 9 Oct 2017 21:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 38684
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.1 54.1
 54 47.0 41.4 62.2

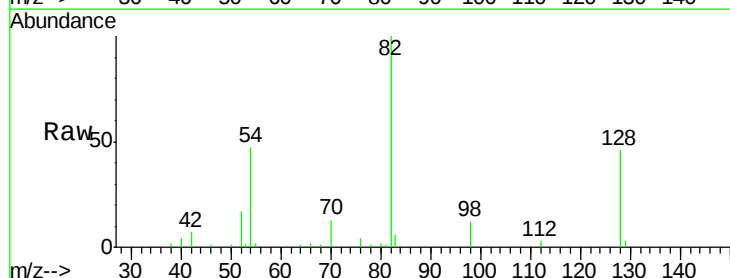


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

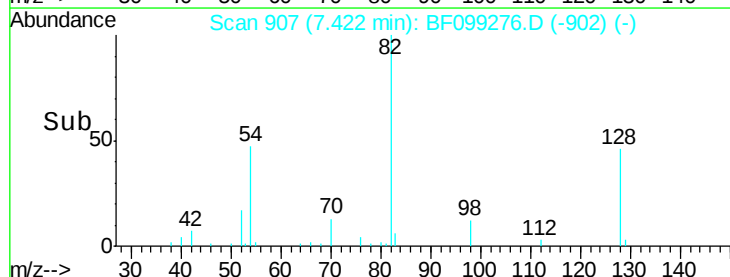
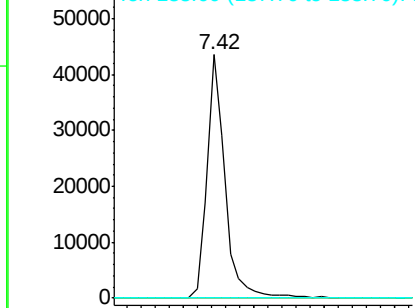


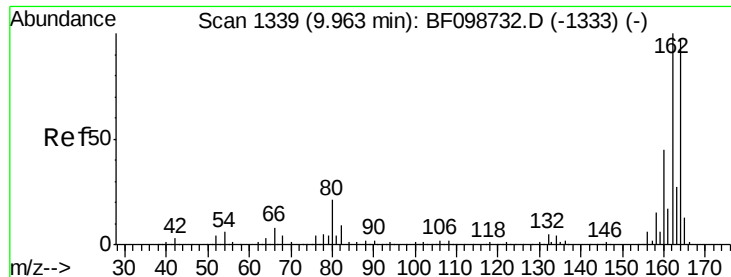
#25
 Isophorone
 Concen: 3.12 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.27 min
 Lab File: BF099276.D
 Acq: 9 Oct 2017 21:41

Tgt Ion: 82 Resp: 38684
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

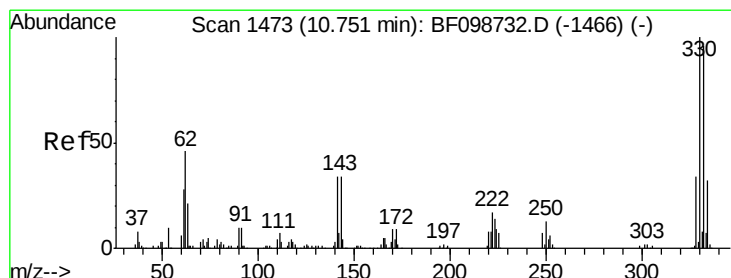
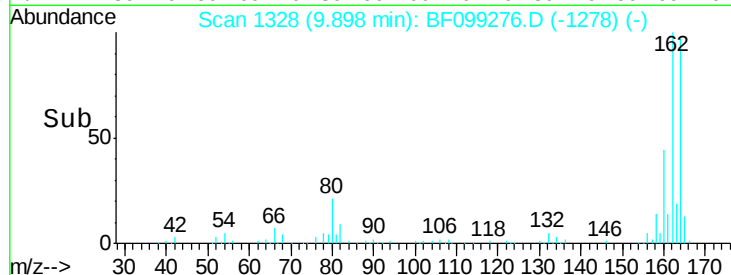
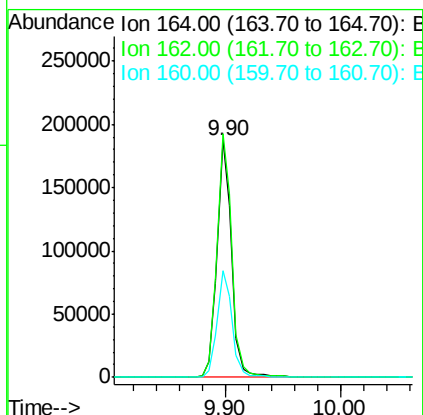
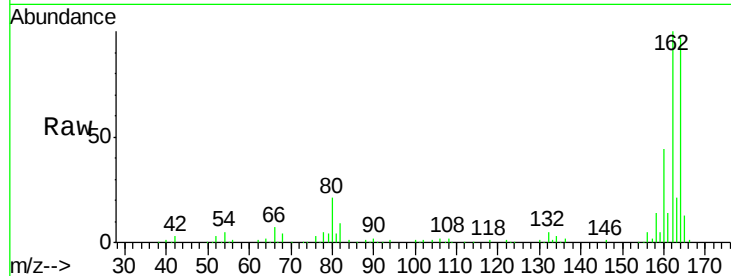




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

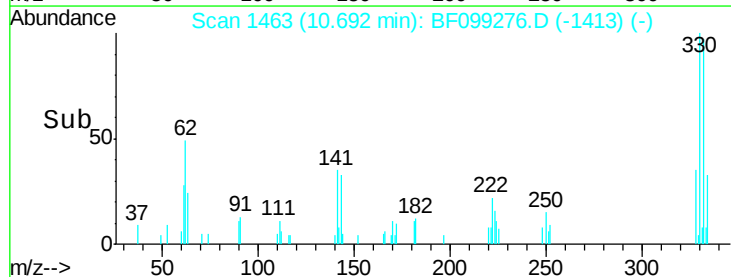
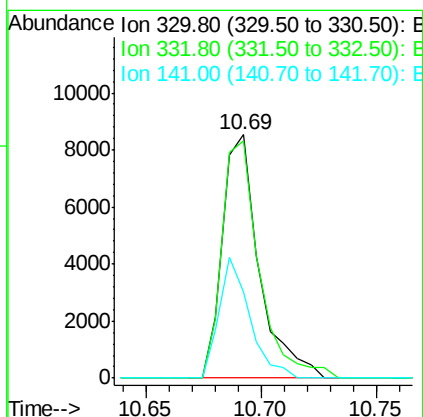
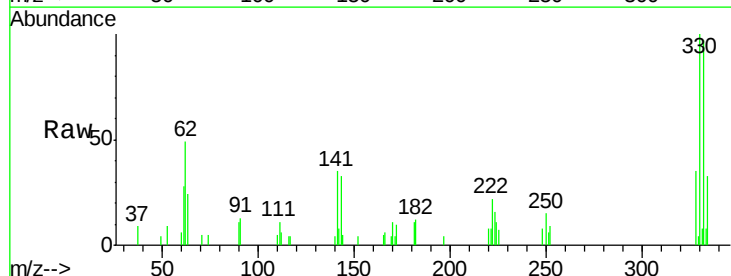
Instrument :
BNA_F
ClientSampleId :

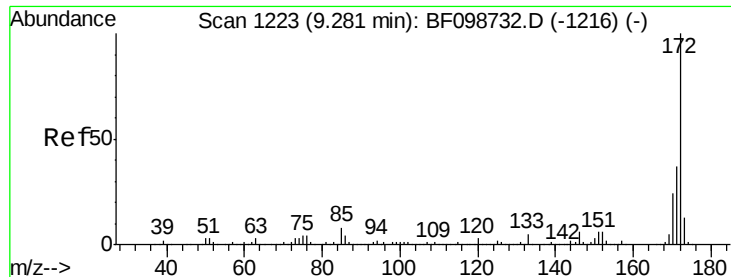
Tot Ion:164 Resp: 164075
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 44.8 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 7.03 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion:330 Resp: 9435
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 41.1 29.9 44.9

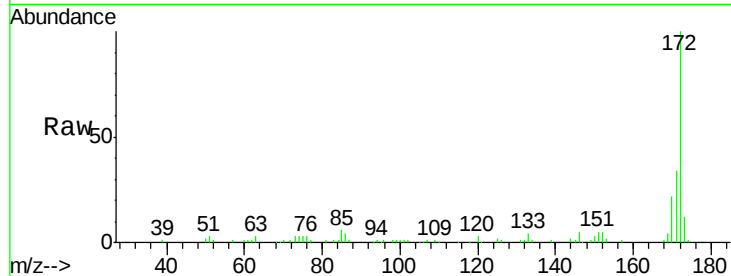




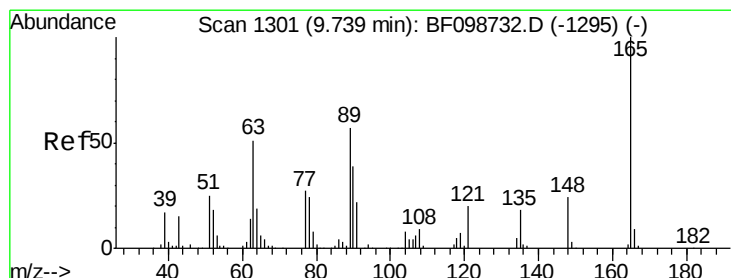
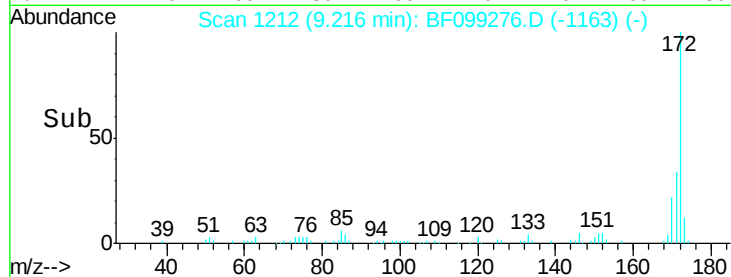
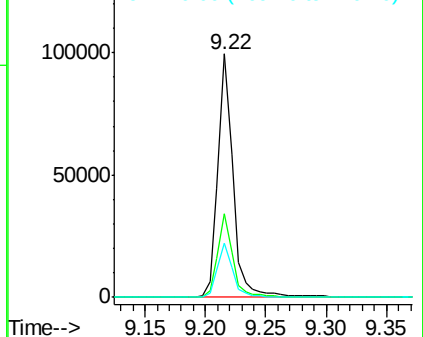
#44
 2-Fluorobiphenyl
 Concen: 8.78 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099276.D
 Acq: 9 Oct 2017 21:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 86299
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.7 44.5
 170 22.4 19.6 29.4

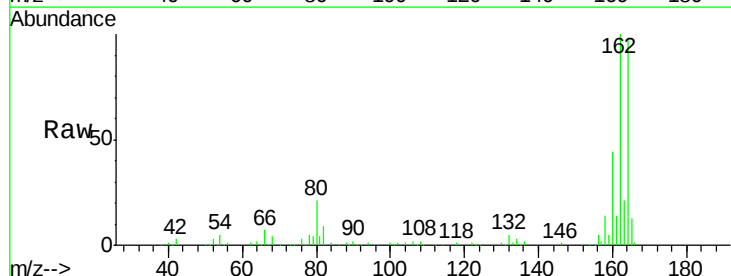


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

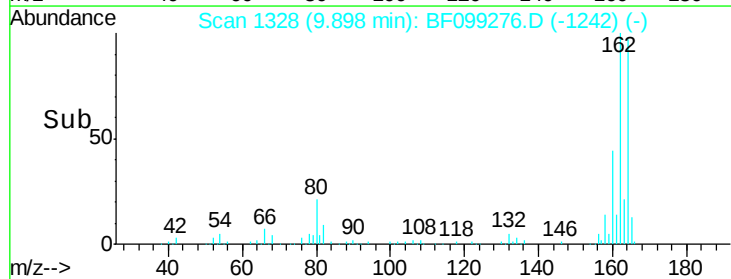
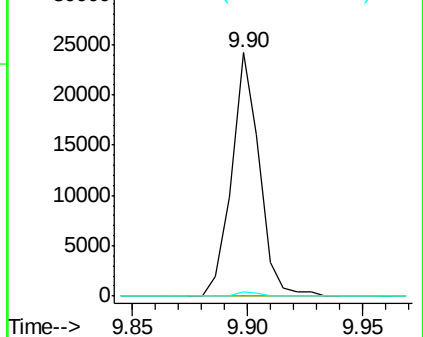


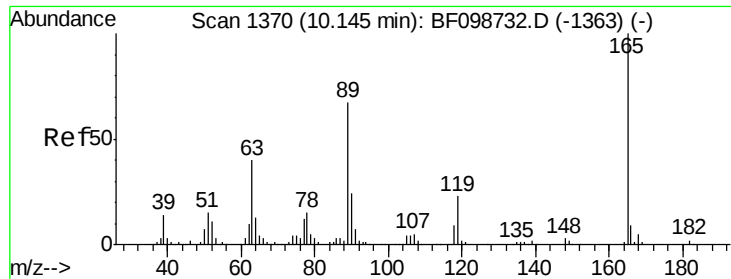
#50
 2,6-Dinitrotoluene
 Concen: 7.49 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099276.D
 Acq: 9 Oct 2017 21:41

Tgt Ion:165 Resp: 20199
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.5 44.0 66.0#



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

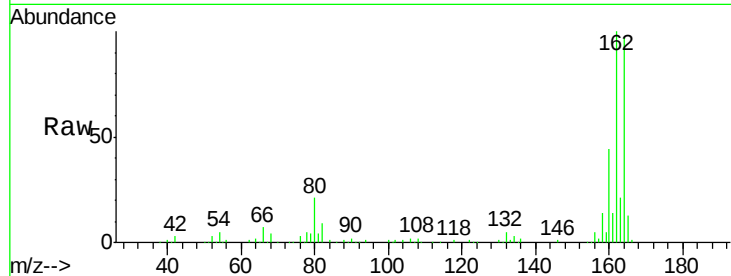




#56
 2,4-Dinitrotoluene
 Concen: 5.77 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099276.D
 Acq: 9 Oct 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	20199
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#

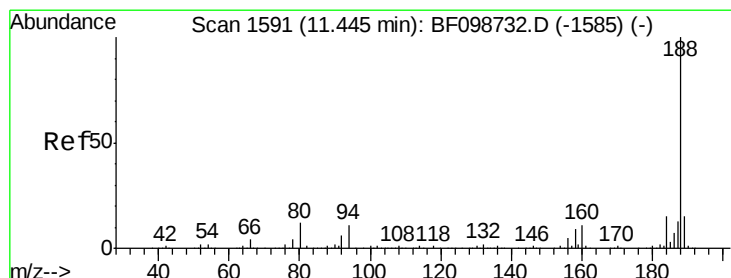
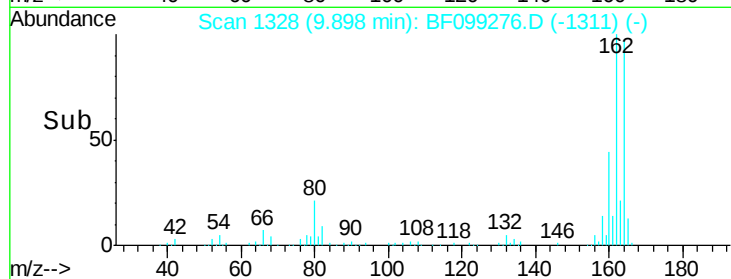
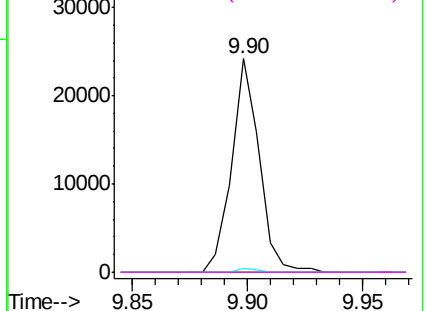


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

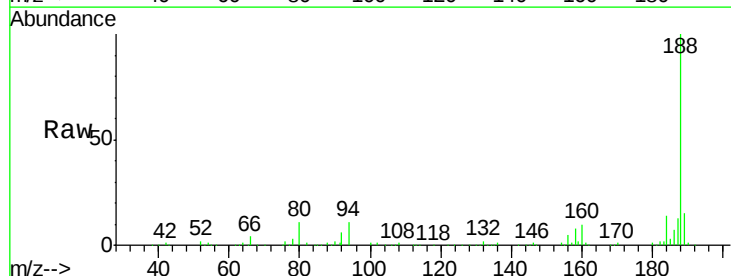
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099276.D
 Acq: 9 Oct 2017 21:41

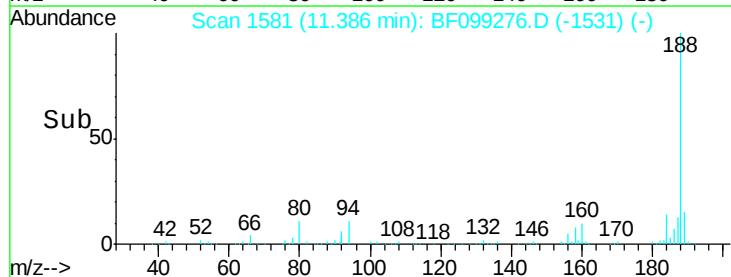
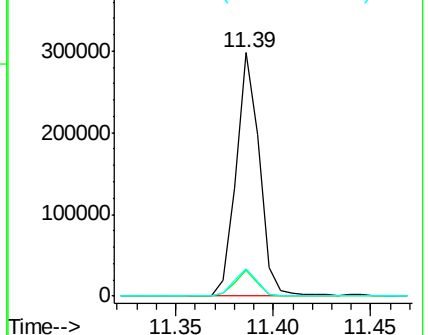
Tgt Ion:188	Resp:	247291
Ion Ratio	Lower	Upper
188	100	
94	10.7	8.5 12.7
80	11.4	9.2 13.8

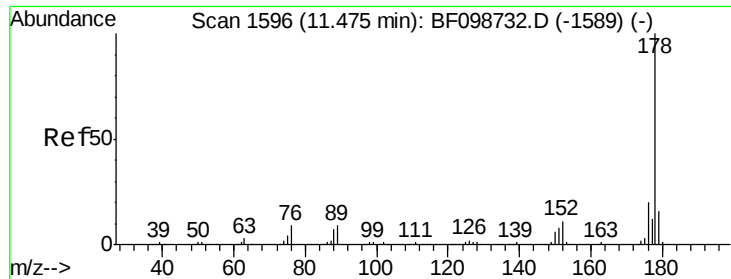


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.04 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

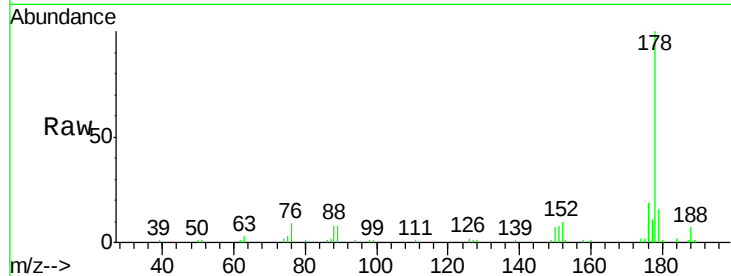
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 40268

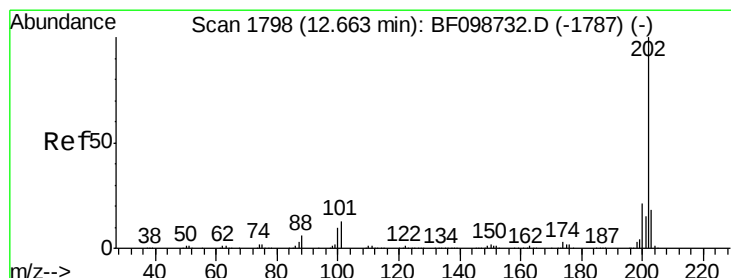
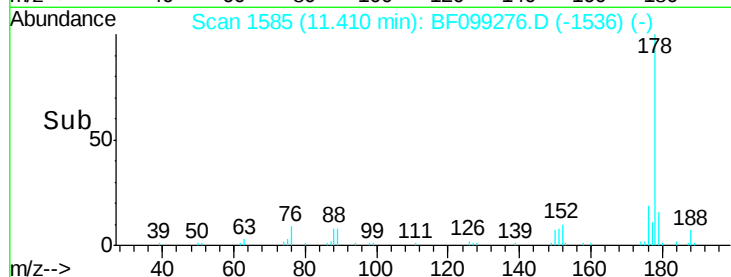
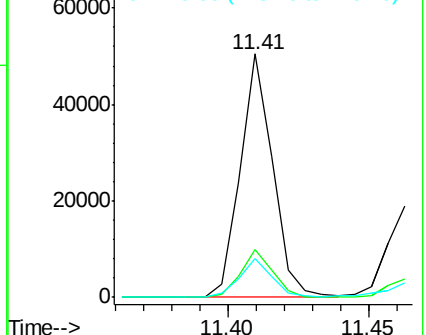
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.7	13.0	19.6



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



#74

Fluoranthene

Concen: 7.03 ng

RT: 12.60 min Scan# 1787

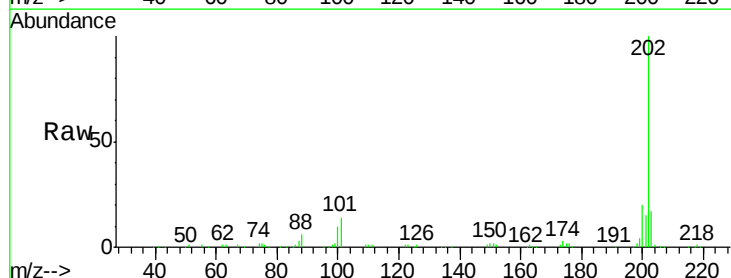
Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Tgt Ion:202 Resp: 94172

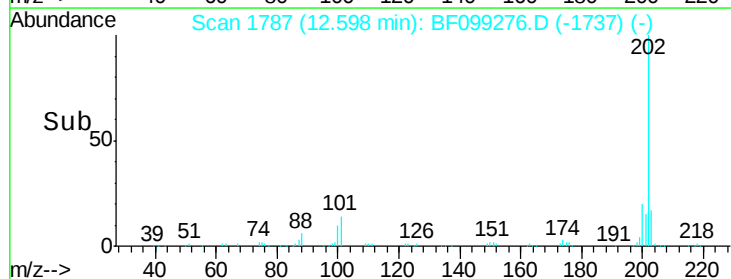
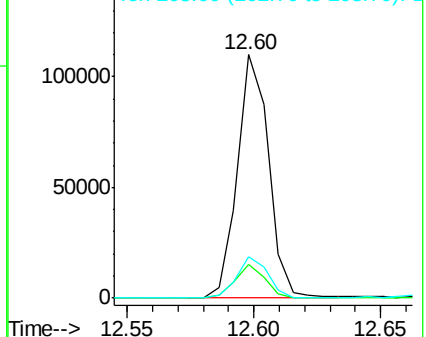
Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.2	0.0	38.1

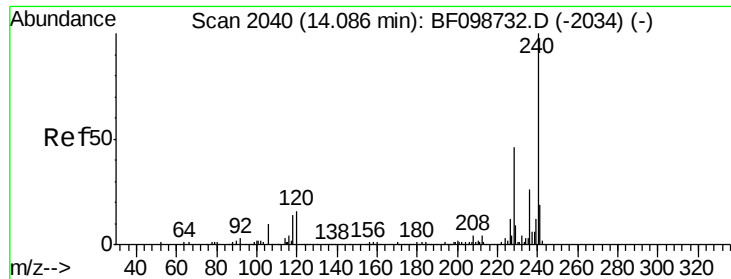


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Instrument :

BNA_F

ClientSampled :

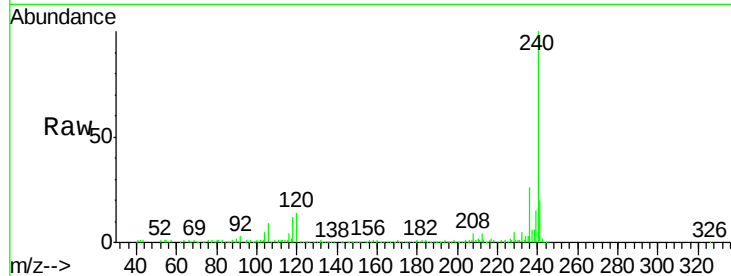
Tot Ion:240 Resp: 174416

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

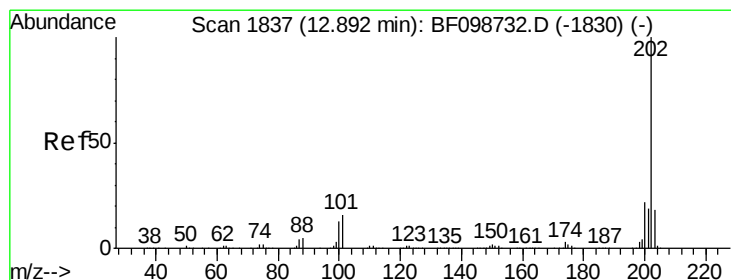
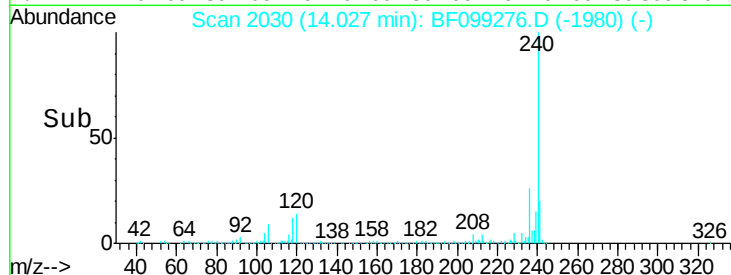
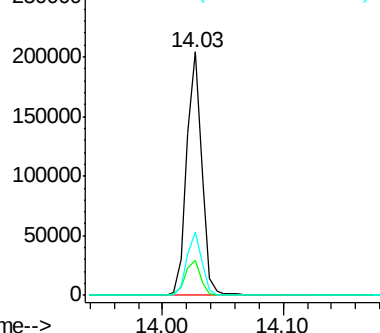
236 25.9 20.7 31.1



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: 6.15 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

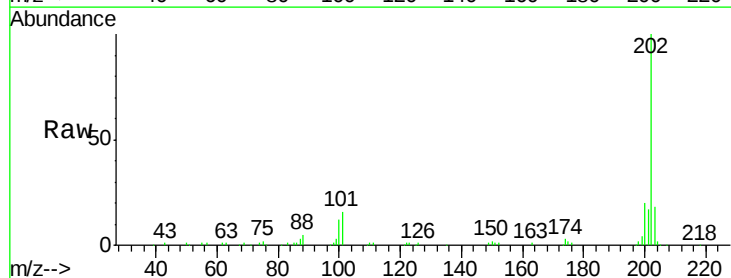
Tgt Ion:202 Resp: 81757

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

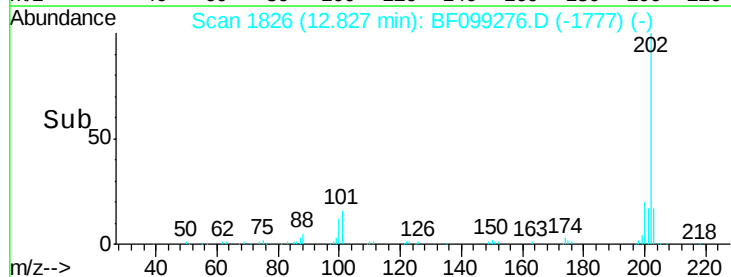
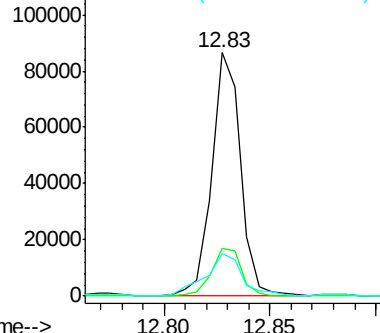
203 17.6 14.3 21.5

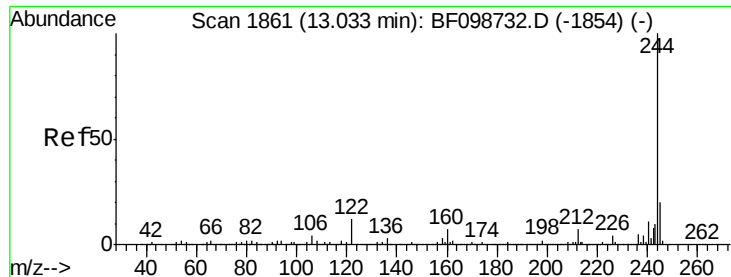


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.92 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

Instrument :

BNA_F

ClientSampleId :

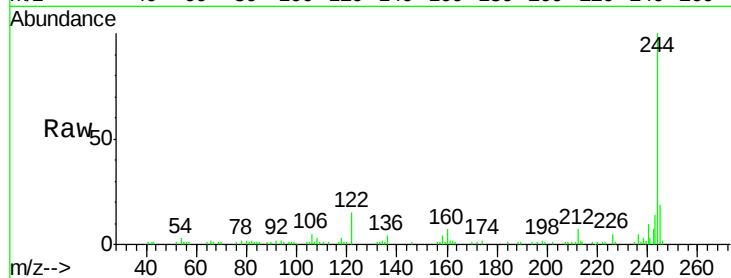
Tot Ion:244 Resp: 53049

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

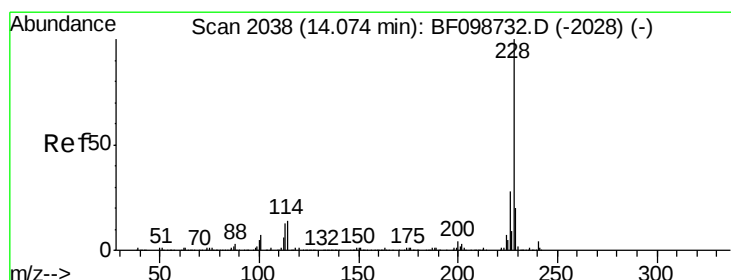
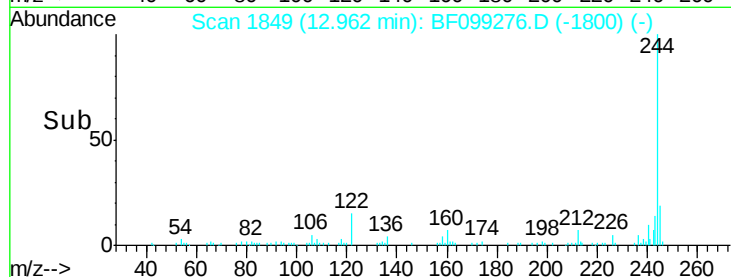
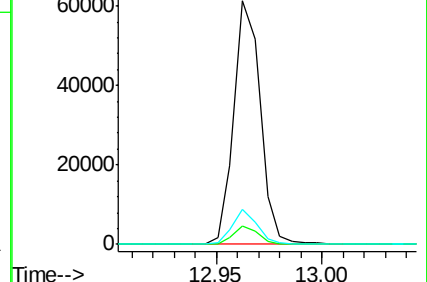
122 14.5 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 5.18 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099276.D

Acq: 9 Oct 2017 21:41

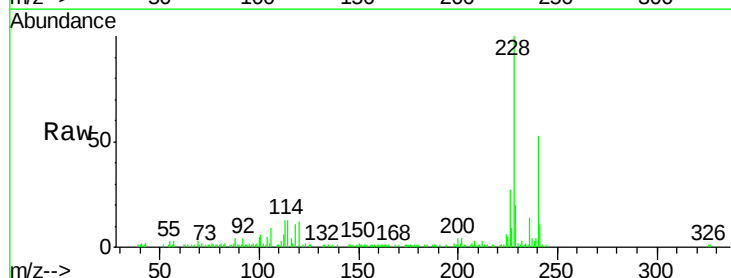
Tgt Ion:228 Resp: 54706

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

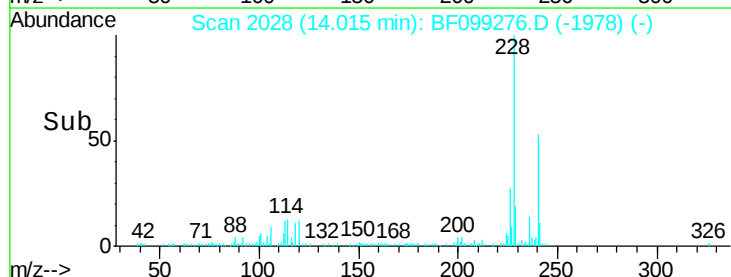
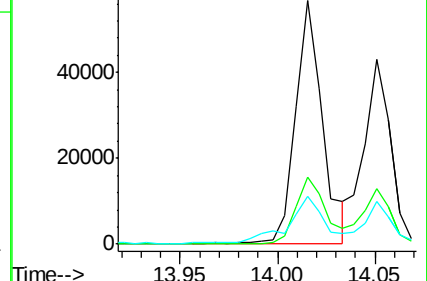
229 19.6 15.8 23.6

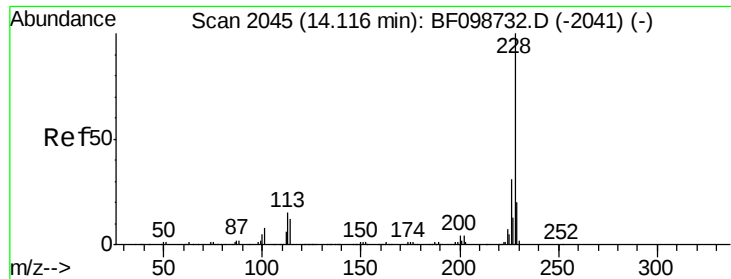


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

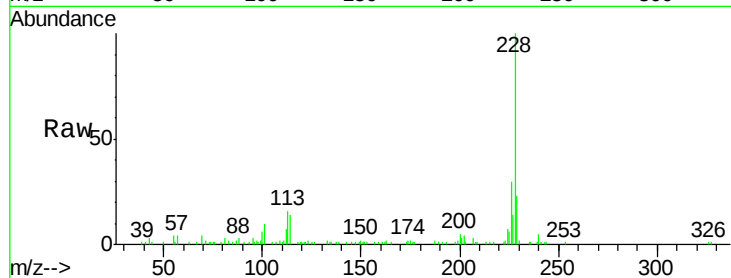




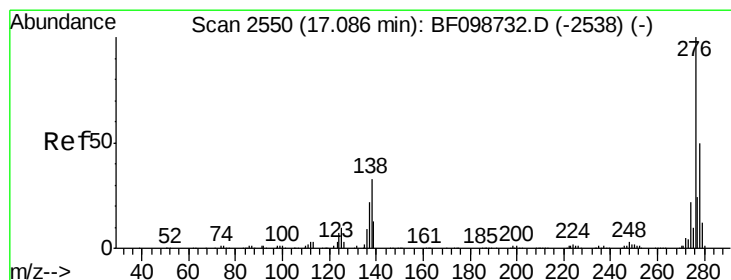
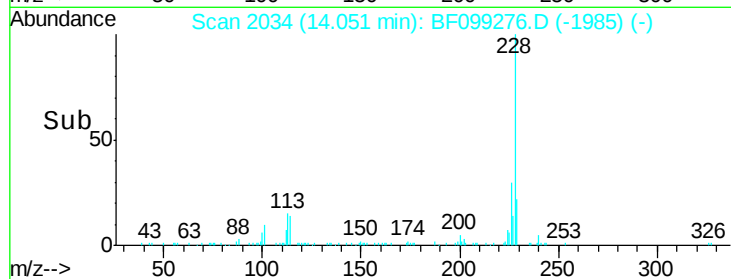
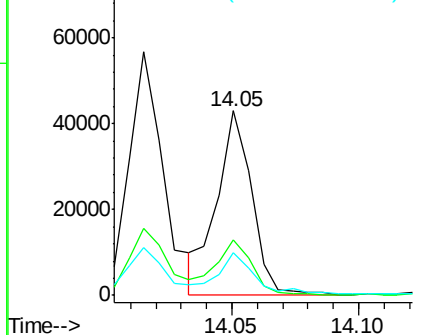
#82
Chrysene
Concen: 4.14 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 41585
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 23.2 16.2 24.4

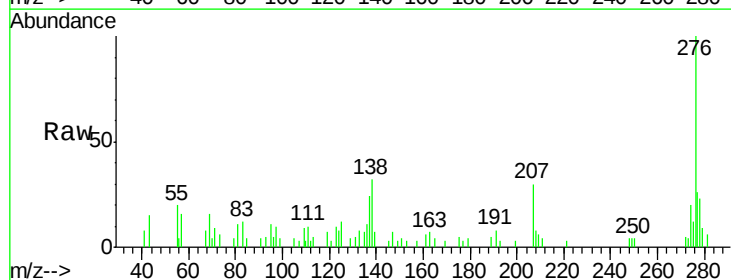


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

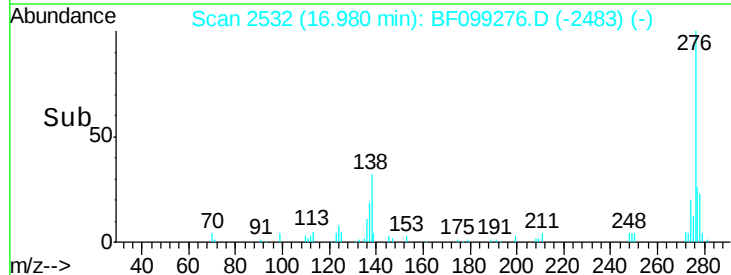
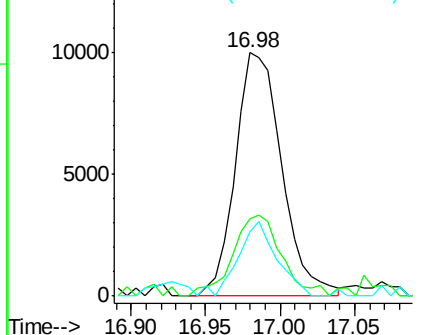


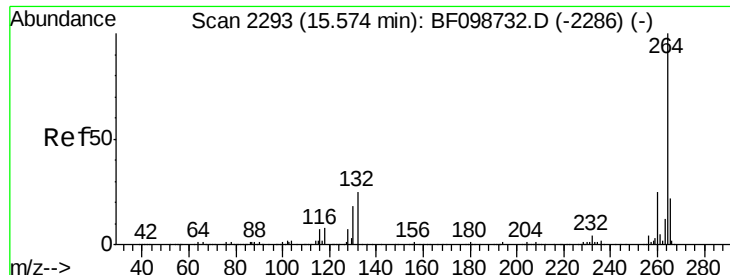
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.69 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion:276 Resp: 21672
Ion Ratio Lower Upper
276 100
138 34.6 25.0 37.6
277 25.3 20.1 30.1



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

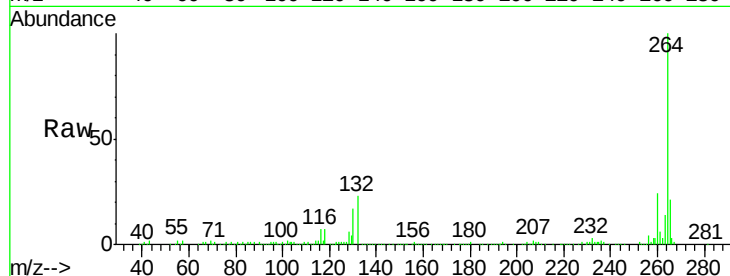




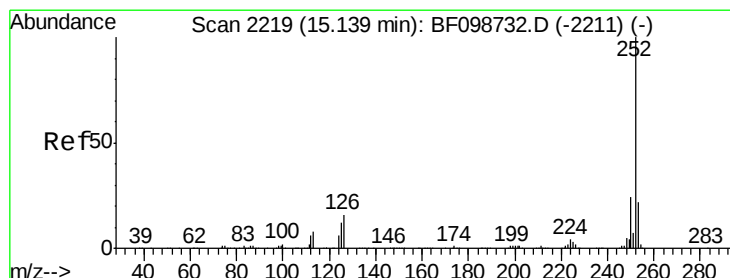
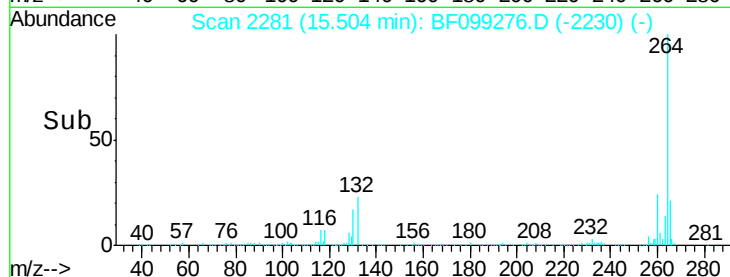
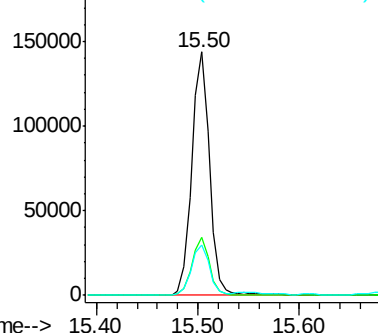
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 175992
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 20.6 17.5 26.3

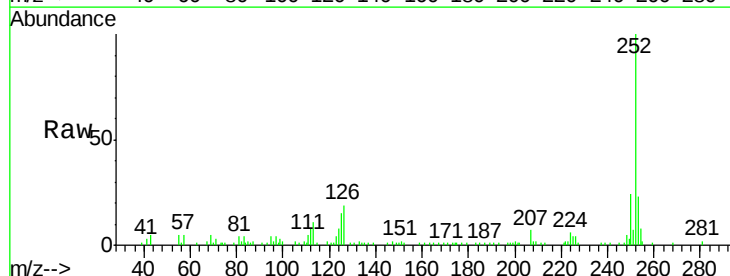


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

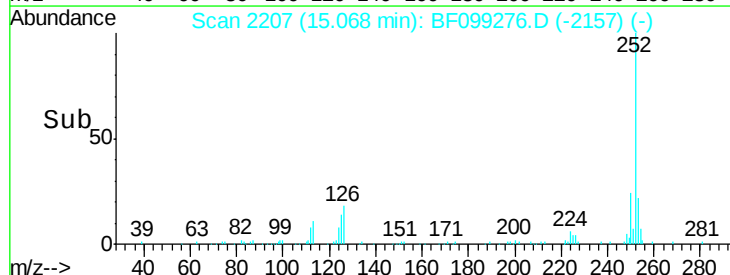
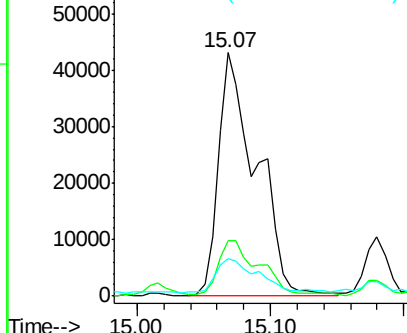


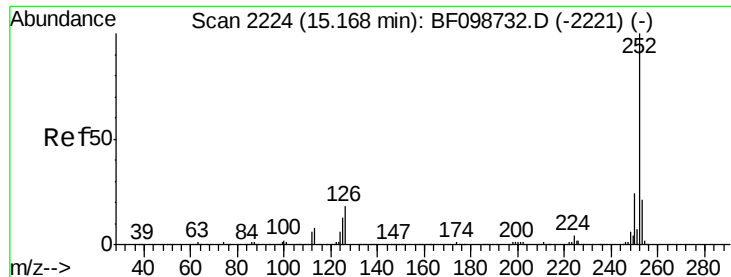
#87
Benzo(b)fluoranthene
Concen: 7.90 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion:252 Resp: 85502
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 15.4 9.0 13.6#



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

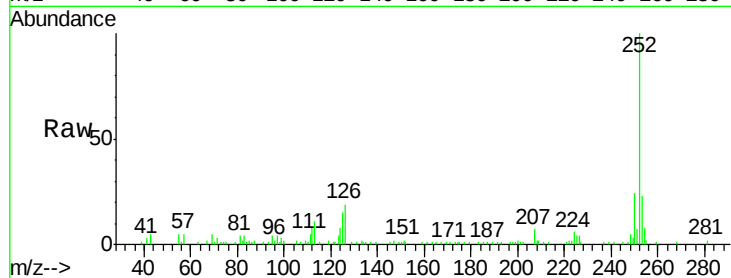




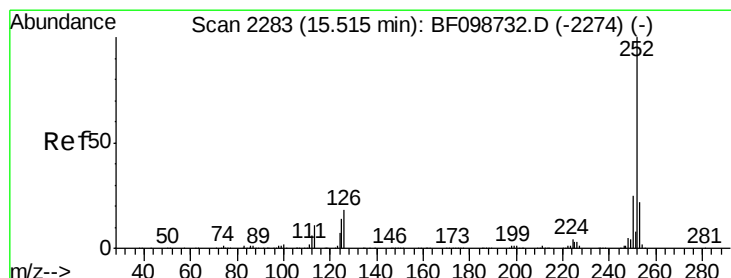
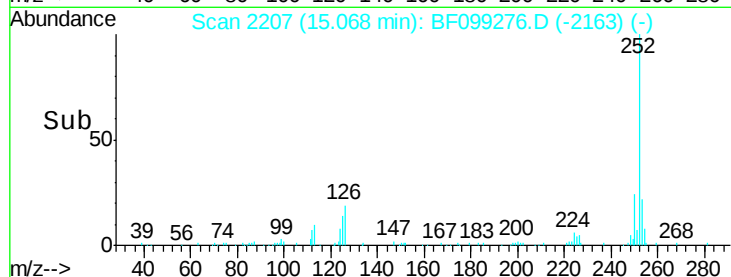
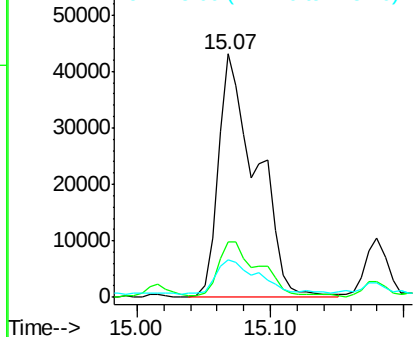
#88
Benzo(k)fluoranthene
Concen: 8.00 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 85502
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 15.4 10.2 15.2#

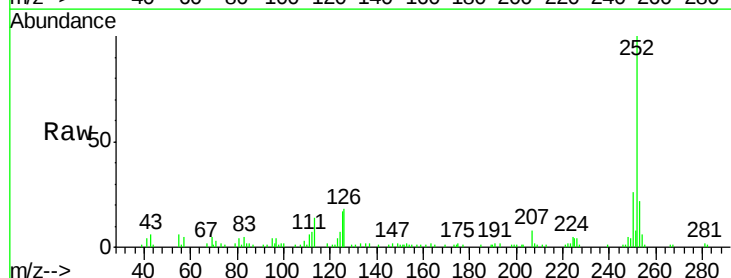


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

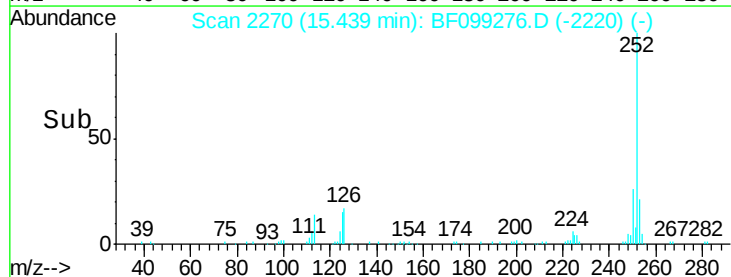
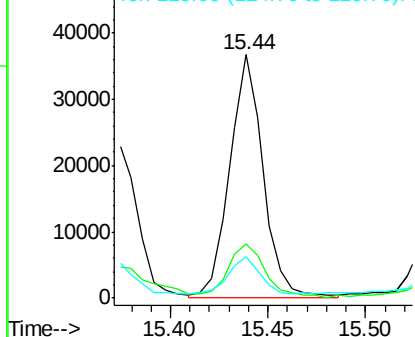


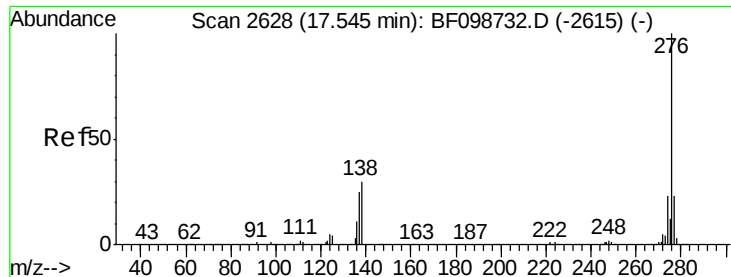
#89
Benzo(a)pyrene
Concen: 4.41 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099276.D
Acq: 9 Oct 2017 21:41

Tgt Ion:252 Resp: 43837
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 16.8 9.8 14.6#



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

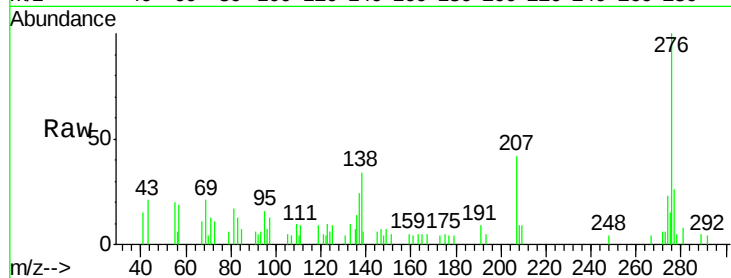




#91
 Benzo(a,h,i)perylene
 Concen: 2.32 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF099276.D
 Acq: 9 Oct 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.8	17.9	26.9	
138	34.5	21.8	32.8	



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

