

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101517\
 Data File : BF099515.D
 Acq On : 15 Oct 2017 15:54
 Operator : SJ/JU
 Sample : I5752-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:06:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	105086	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	419578	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	170930	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	241520	20.00	ng	0.00
75) Chrysene-d12	14.01	240	183115	20.00	ng	0.00
86) Perylene-d12	15.49	264	195020	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	707071	107.11	ng	0.00
7) Phenol-d6	6.49	99	875257	107.48	ng	0.00
23) Nitrobenzene-d5	7.41	82	522124	79.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	114543	81.89	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	888278	86.76	ng	-0.01
78) Terphenyl-d14	12.95	244	513149	63.73	ng	0.00

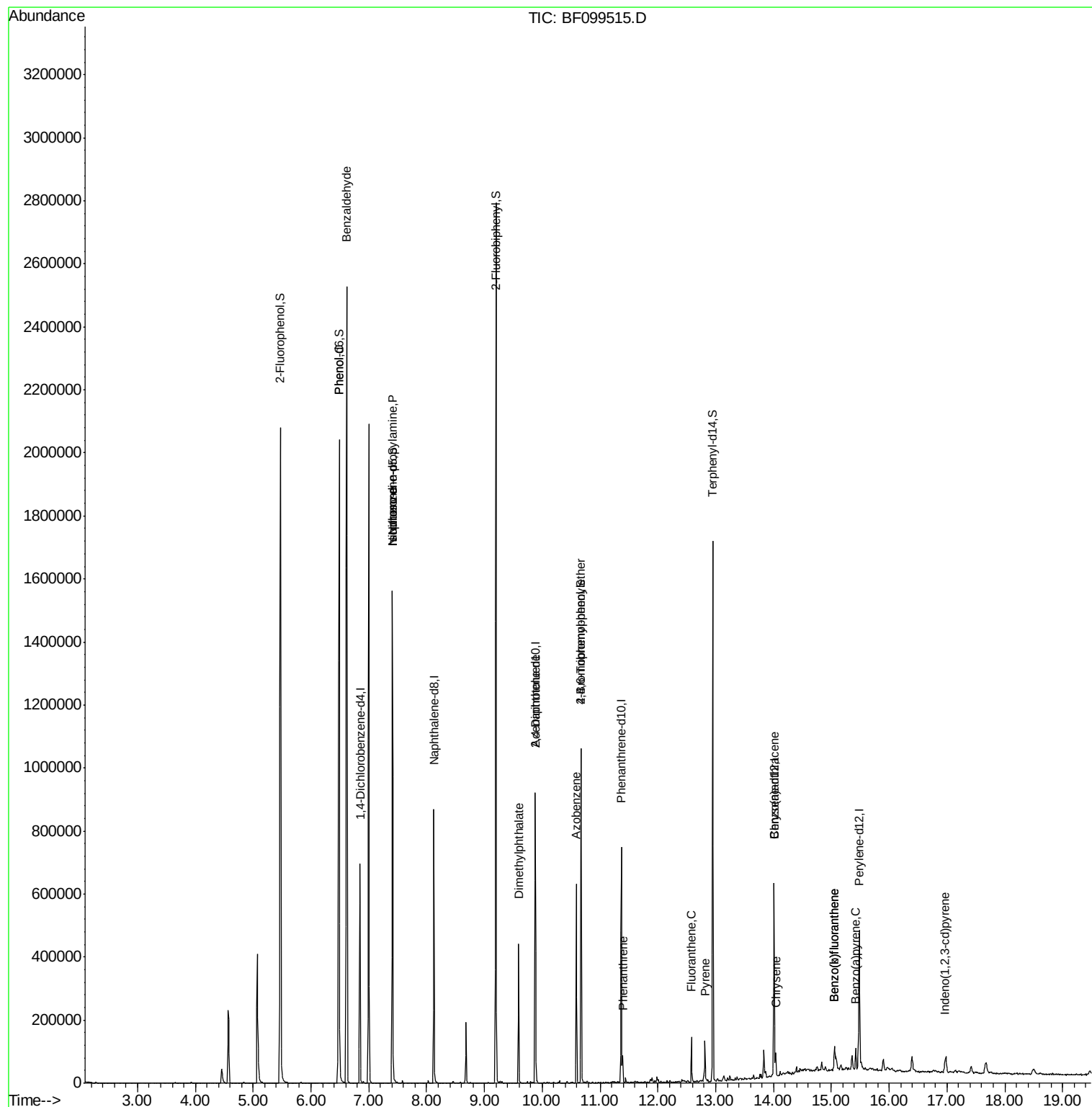
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.62	77	13954	2.95	ng	89
10) Phenol	6.49	94	55915	6.14	ng	96
19) n-Nitroso-di-n-propylamine	7.41	70	65997	12.69	ng	# 73
25) Isophorone	7.41	82	522121	38.60	ng	# 64
49) Dimethylphthalate	9.59	163	164091	12.72	ng	99
56) 2,4-Dinitrotoluene	9.88	165	21626	5.93	ng	# 22
62) Azobenzene	10.59	77	97374	8.40	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	7711	3.26	ng	# 1
70) Phenanthrene	11.39	178	30649	2.37	ng	97
74) Fluoranthene	12.58	202	53787	4.11	ng	100
77) Pyrene	12.82	202	53700	3.85	ng	97
80) Benzo(a)anthracene	14.00	228	29180	2.63	ng	99
82) Chrysene	14.04	228	26884	2.55	ng	98
85) Indeno(1,2,3-cd)pyrene	16.96	276	17073	2.02	ng	99
87) Benzo(b)fluoranthene	15.06	252	52617	4.39	ng	# 91
88) Benzo(k)fluoranthene	15.06	252	52617	4.44	ng	# 94
89) Benzo(a)pyrene	15.42	252	30675	2.79	ng	95

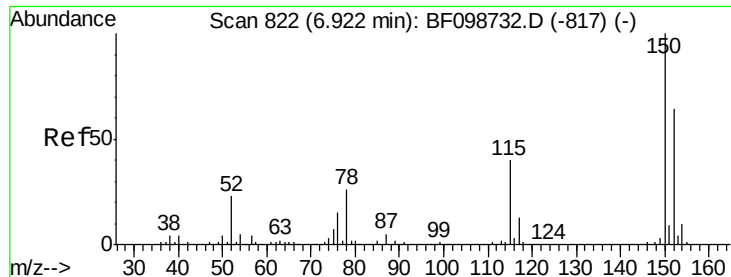
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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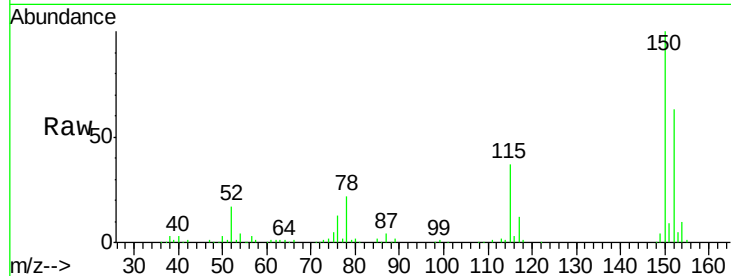


#1

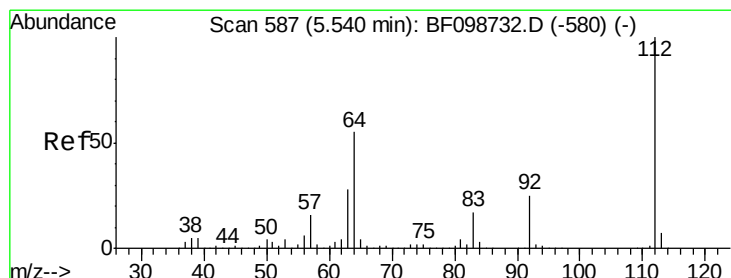
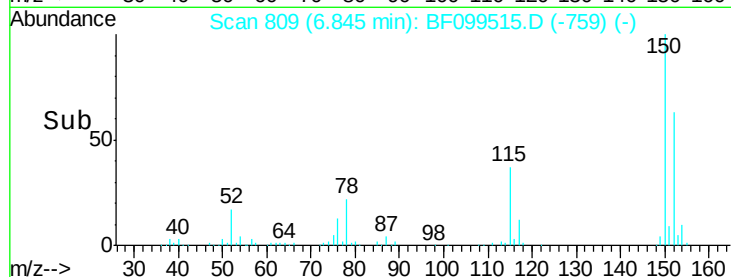
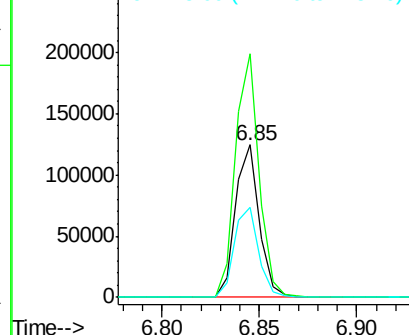
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 105086
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 58.9 50.1 75.1



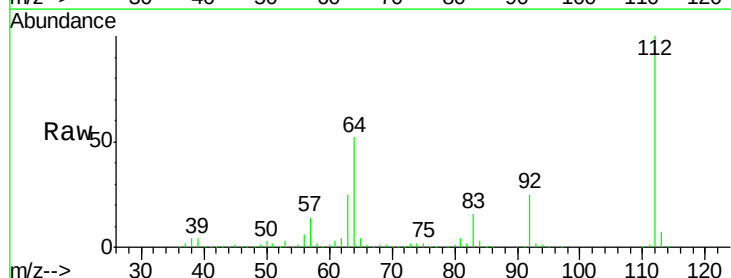
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



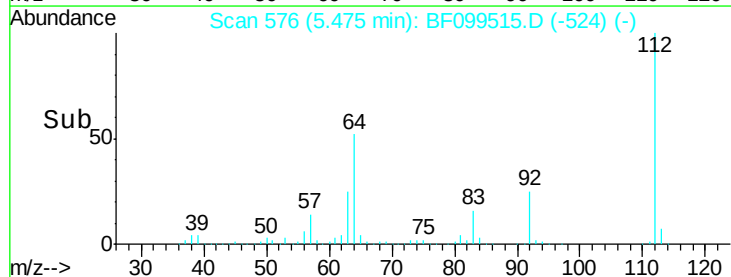
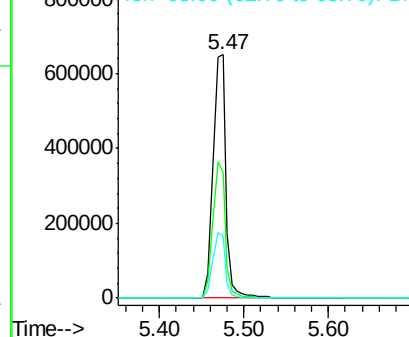
#5

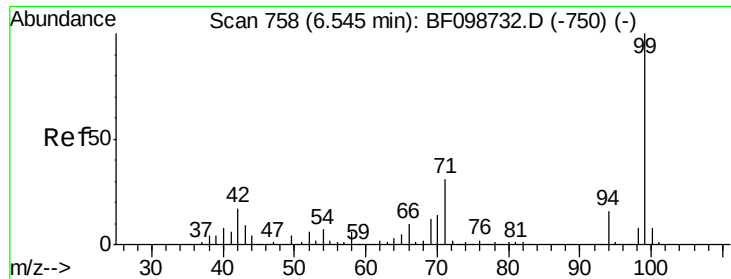
2-Fluorophenol
Concen: 107.11 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Tgt Ion:112 Resp: 707071
Ion Ratio Lower Upper
112 100
64 51.6 47.9 71.9
63 25.4 23.7 35.5



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

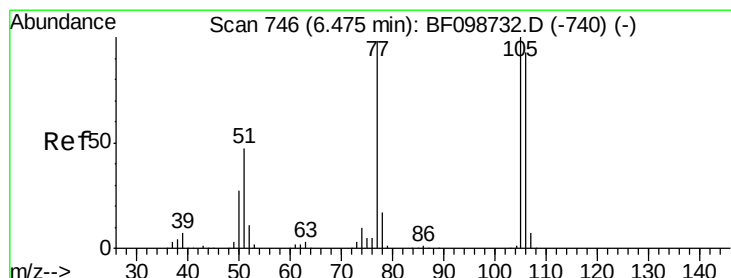
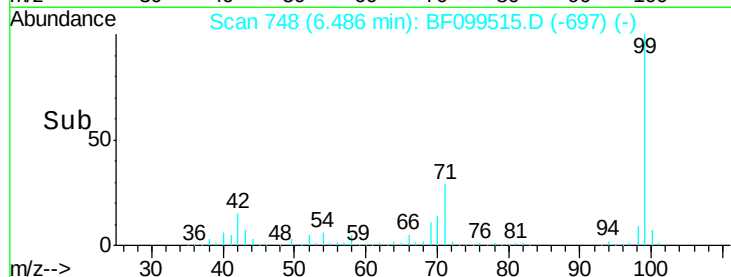
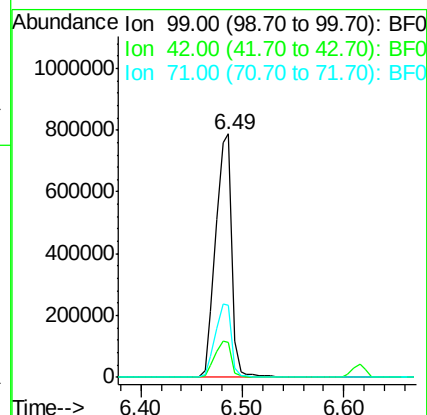
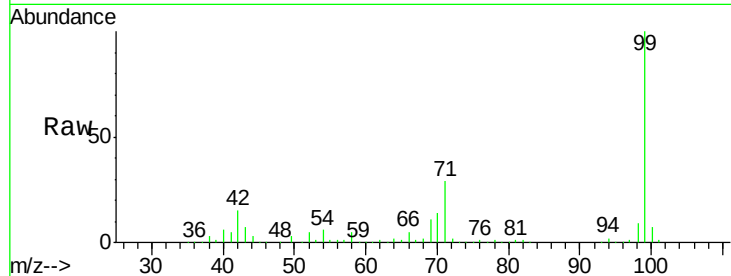




#7
Phenol-d6
Concen: 107.48 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

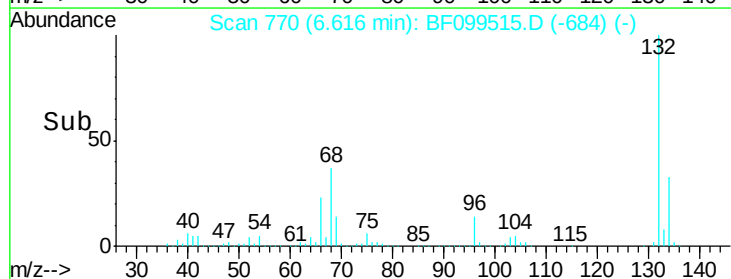
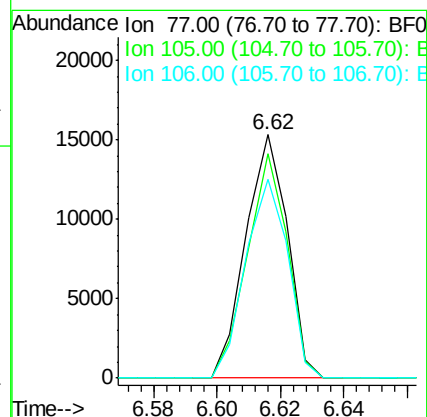
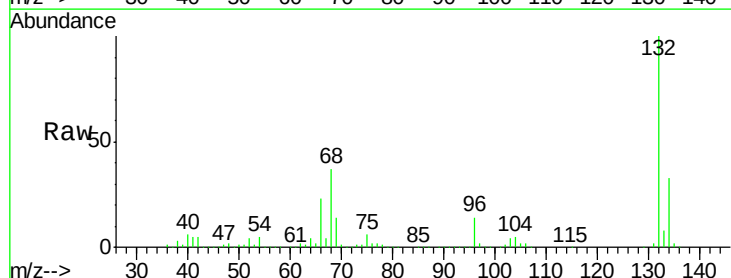
Instrument :
BNA_F
ClientSampled :

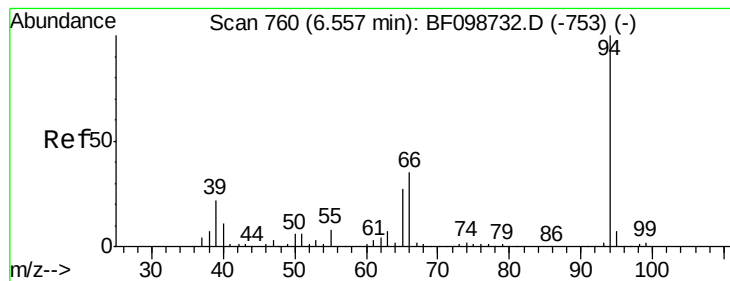
Tot Ion: 99 Resp: 875257
Ion Ratio Lower Upper
99 100
42 14.5 14.5 21.7
71 29.4 25.4 38.0



#9
Benzaldehyde
Concen: 2.95 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.21 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Tgt Ion: 77 Resp: 13954
Ion Ratio Lower Upper
77 100
105 92.2 81.1 121.1
106 81.5 74.5 114.5





#10

Phenol

Concen: 6.14 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099515.D

Acq: 15 Oct 2017 15:54

Instrument :

BNA_F

ClientSampled :

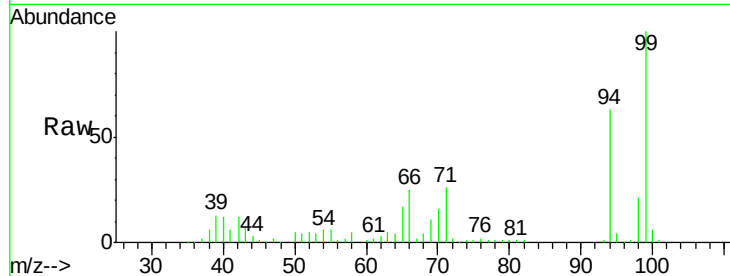
Tot Ion: 94 Resp: 55915

Ion Ratio Lower Upper

94 100

65 27.1 7.9 47.9

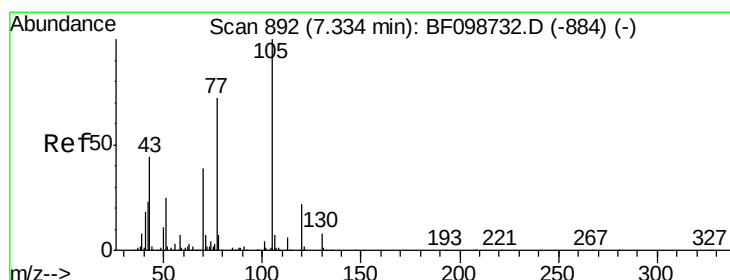
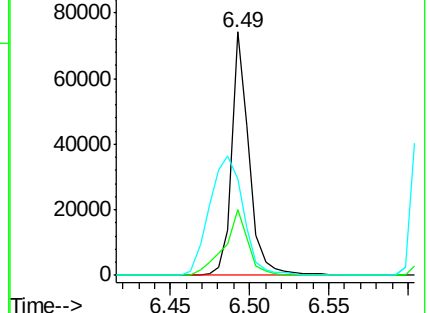
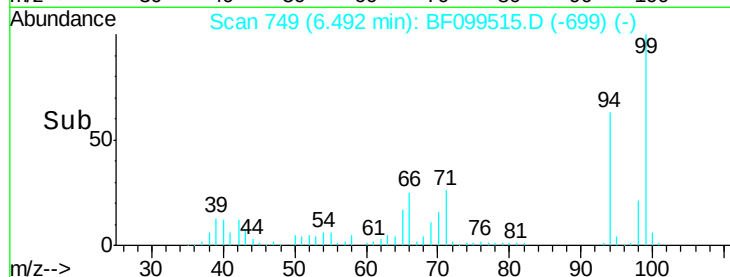
66 39.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.69 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099515.D

Acq: 15 Oct 2017 15:54

Tgt Ion: 70 Resp: 65997

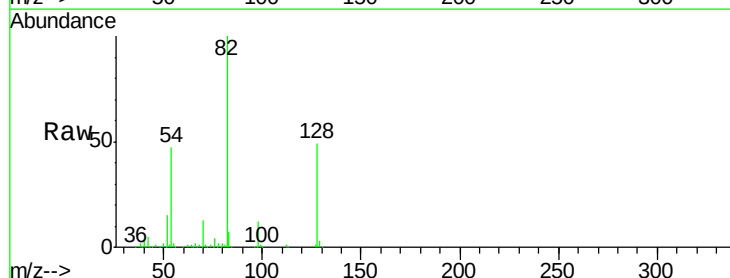
Ion Ratio Lower Upper

70 100

42 42.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

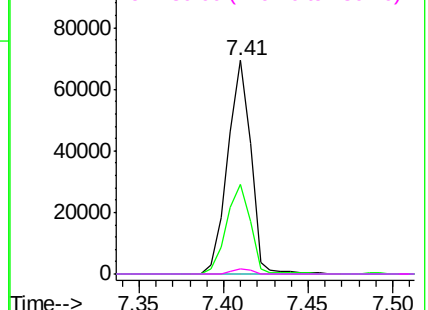
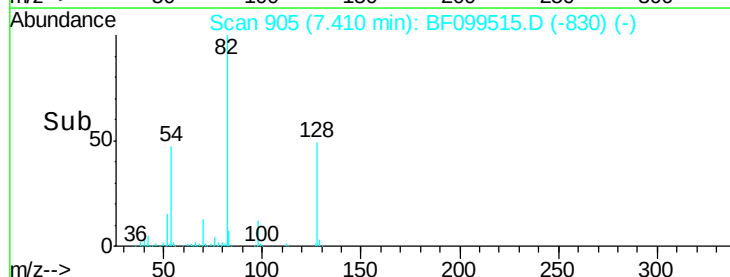


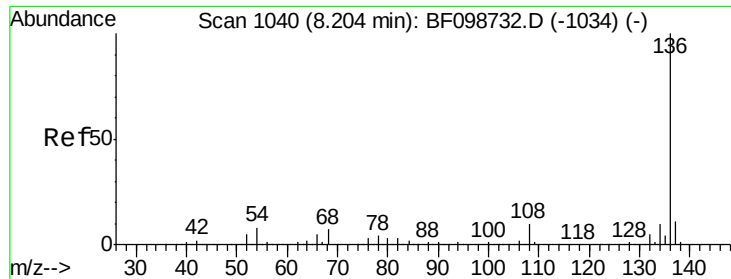
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

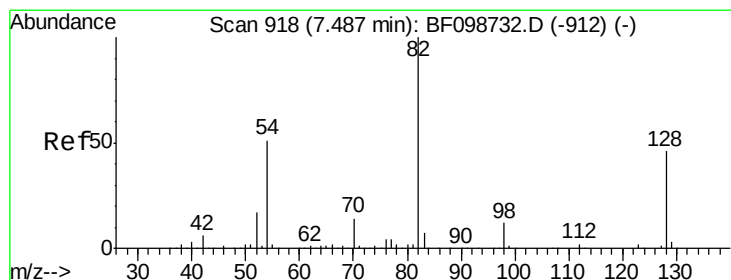
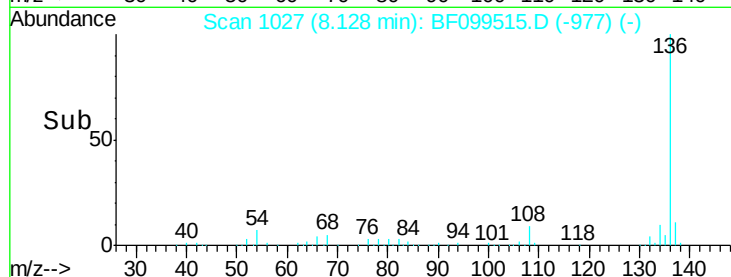
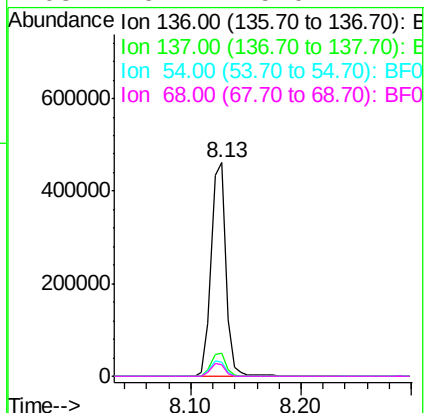
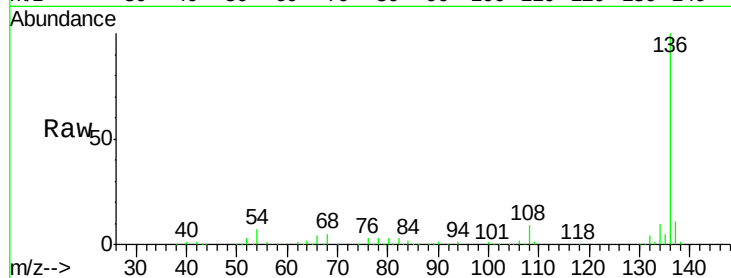




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

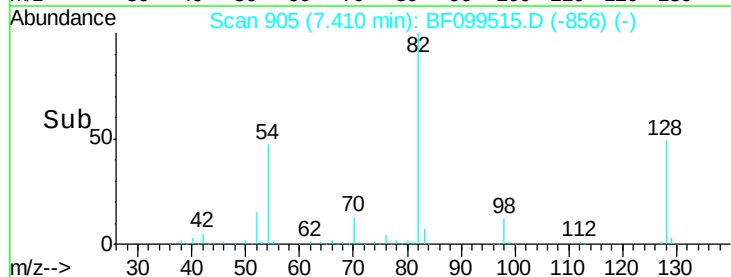
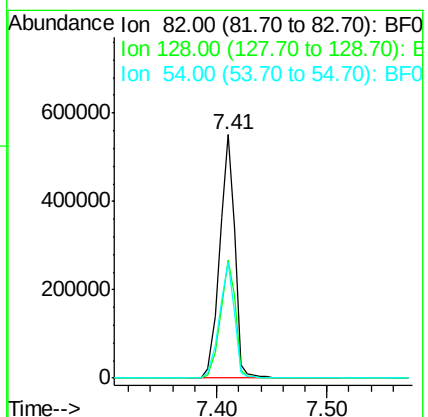
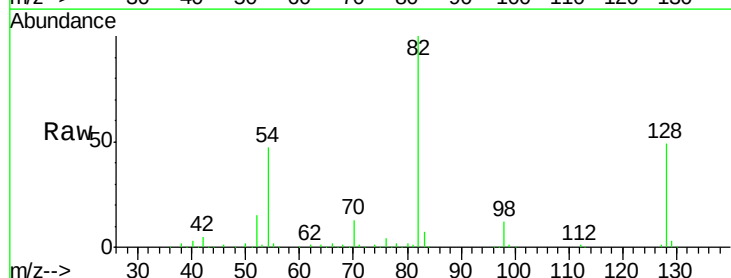
Instrument :
BNA_F
ClientSampleId :

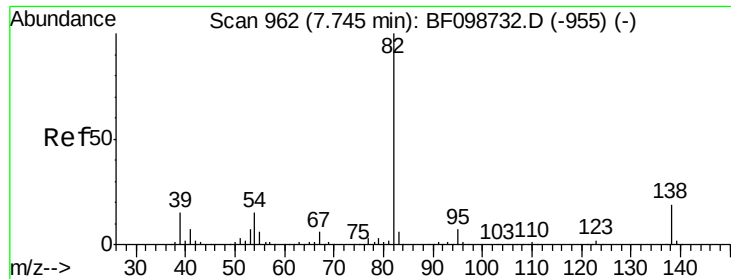
Tot Ion:136	Resp:	419578
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.9 13.3
54	6.7	6.6 9.8
68	5.4	5.0 7.4



#23
Nitrobenzene-d5
Concen: 79.80 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Tgt Ion: 82	Resp:	522124
Ion	Ratio	Lower Upper
82	100	
128	48.8	36.1 54.1
54	47.3	41.4 62.2





#25

Isophorone

Concen: 38.60 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099515.D

Acq: 15 Oct 2017 15:54

Instrument :

BNA_F

ClientSampleId :

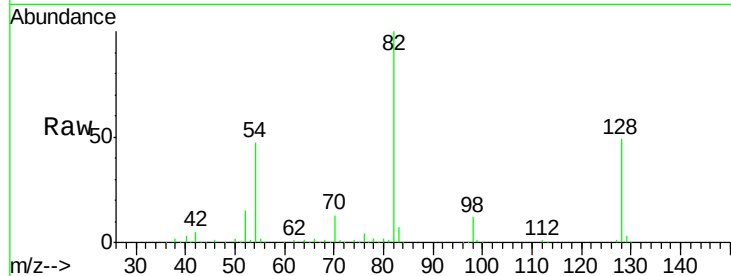
Tot Ion: 82 Resp: 522121

Ion Ratio Lower Upper

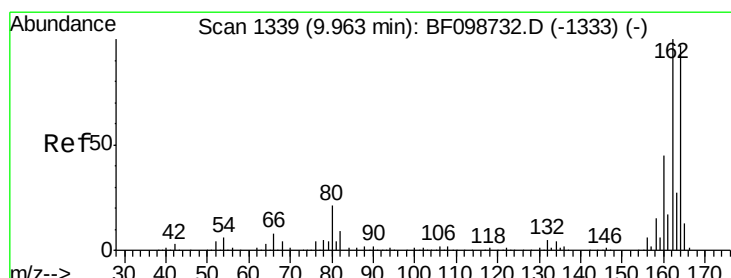
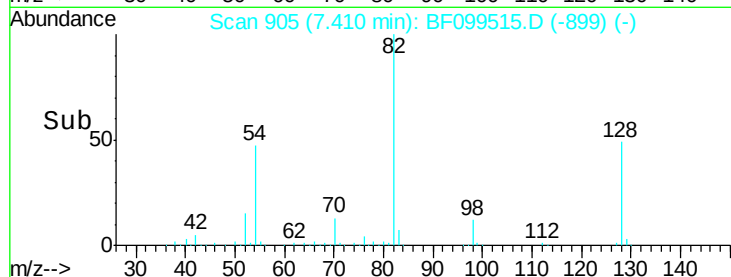
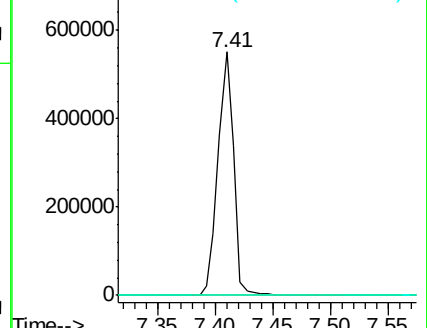
82 100

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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099515.D

Acq: 15 Oct 2017 15:54

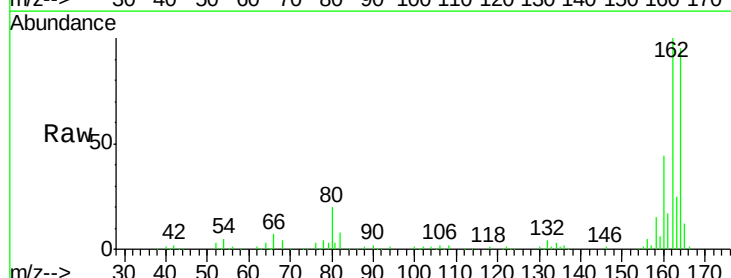
Tgt Ion: 164 Resp: 170930

Ion Ratio Lower Upper

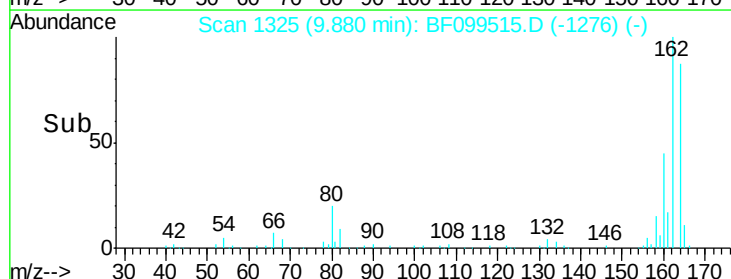
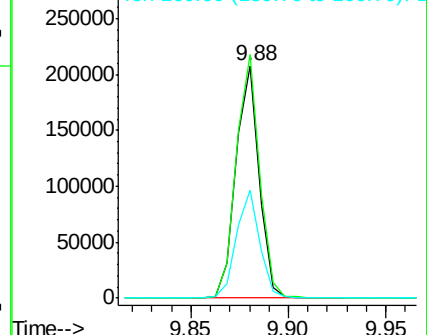
164 100

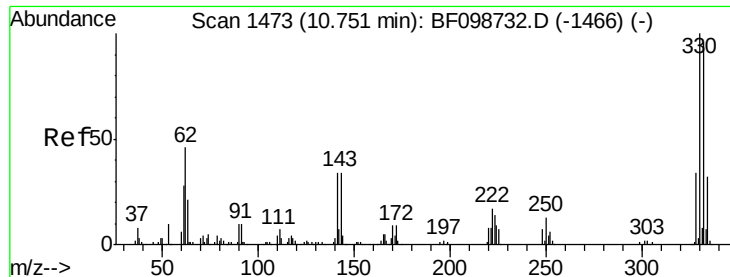
162 104.9 86.1 129.1

160 46.4 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

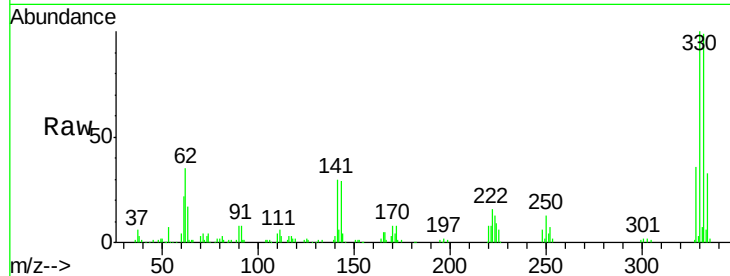




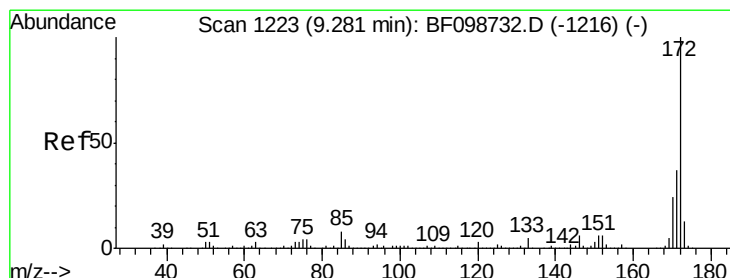
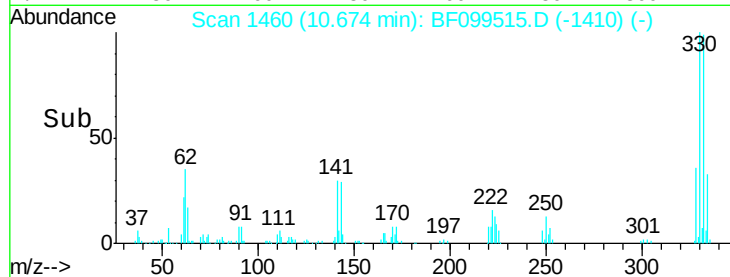
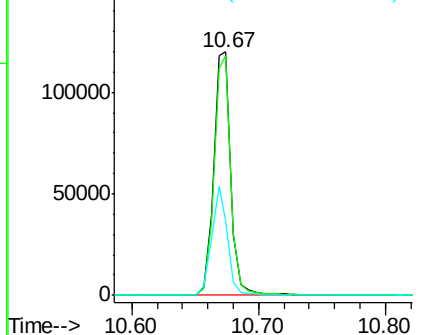
#41
 2,4,6-Tribromophenol
 Concen: 81.89 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099515.D
 Acq: 15 Oct 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 114543
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 41.0 29.9 44.9

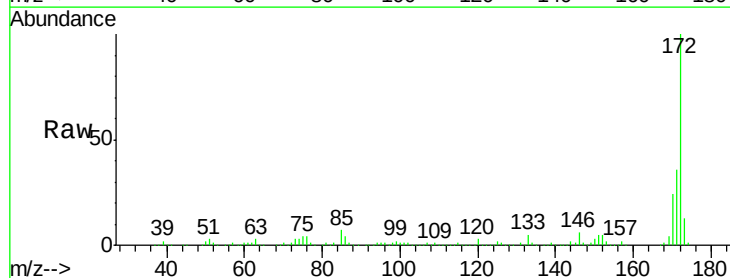


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

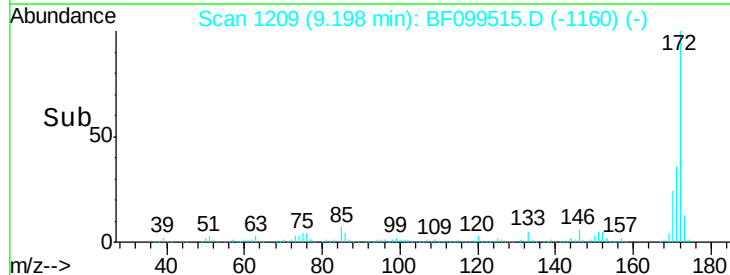
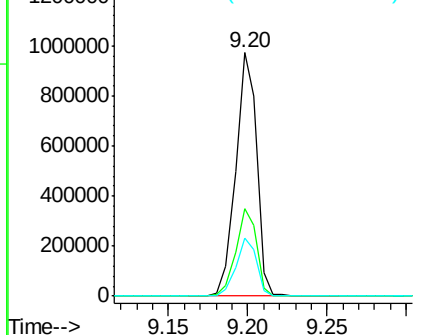


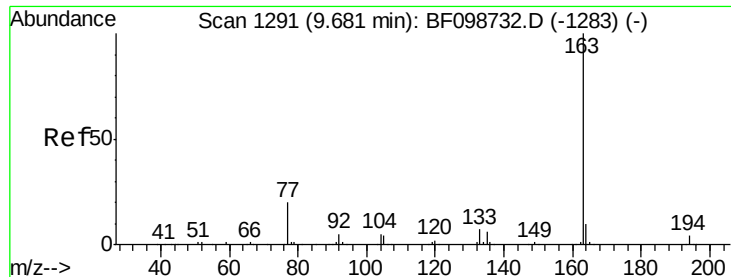
#44
 2-Fluorobiphenyl
 Concen: 86.76 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099515.D
 Acq: 15 Oct 2017 15:54

Tgt Ion:172 Resp: 888278
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.8 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

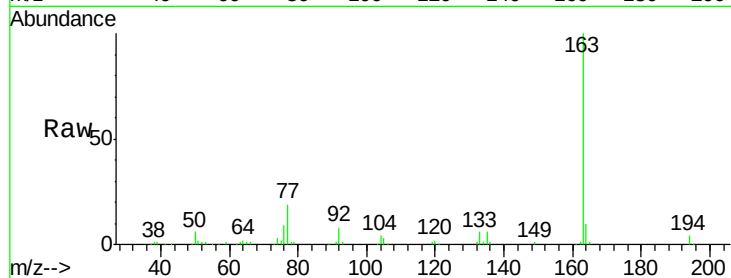




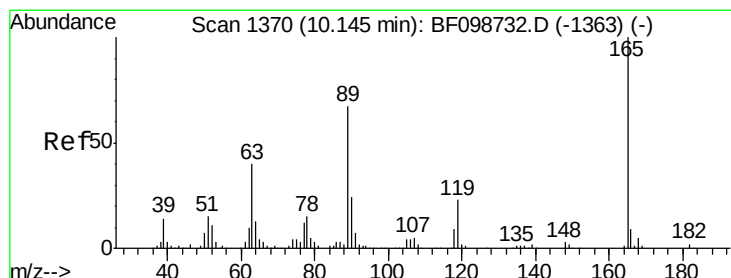
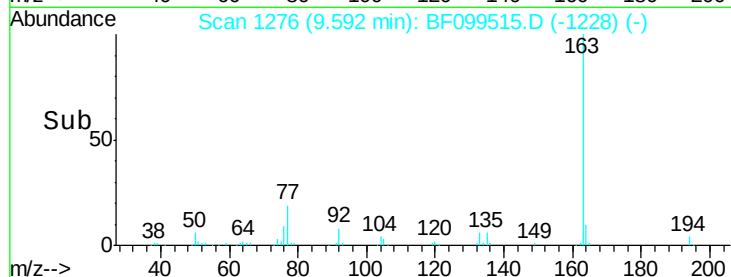
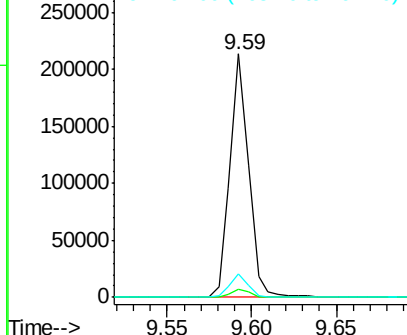
#49
Dimethylphthalate
Concen: 12.72 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 164091
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.8 8.2 12.2

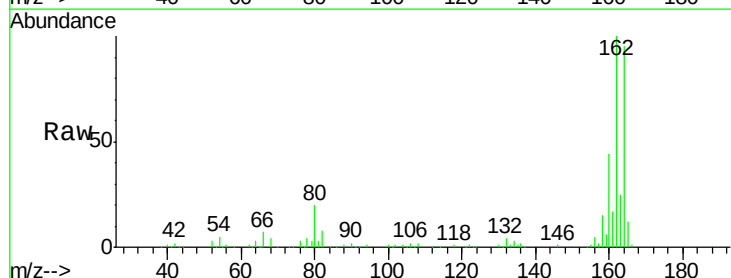


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

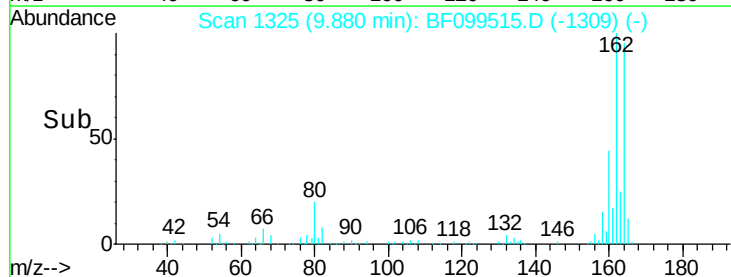
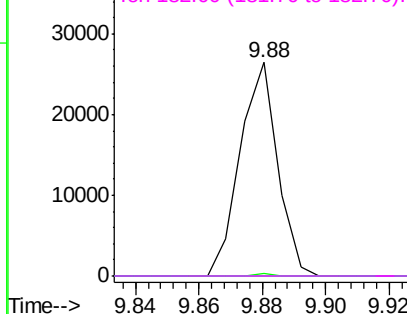


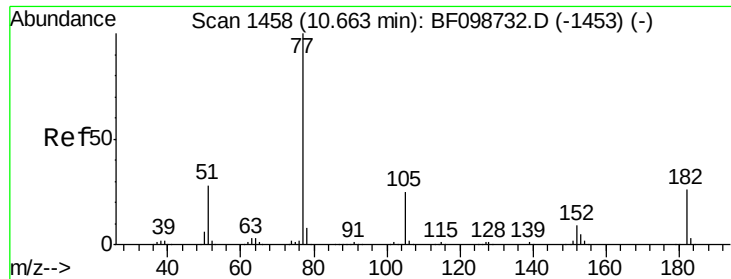
#56
2,4-Dinitrotoluene
Concen: 5.93 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.21 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Tgt Ion:165 Resp: 21626
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 0.0 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





#62

Azobenzene

Concen: 8.40 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BF099515.D

Acq: 15 Oct 2017 15:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 97374

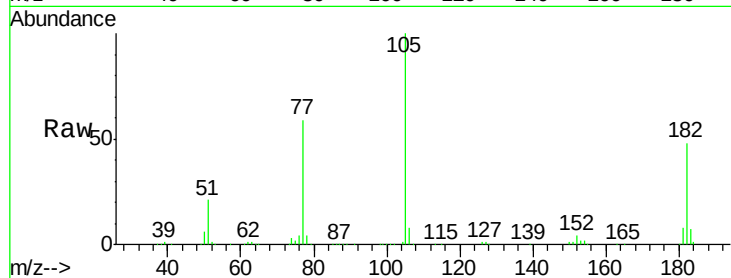
Ion Ratio Lower Upper

77 100

182 81.8 1.7 41.7#

105 170.1 3.0 43.0#

51 35.7 9.9 49.9

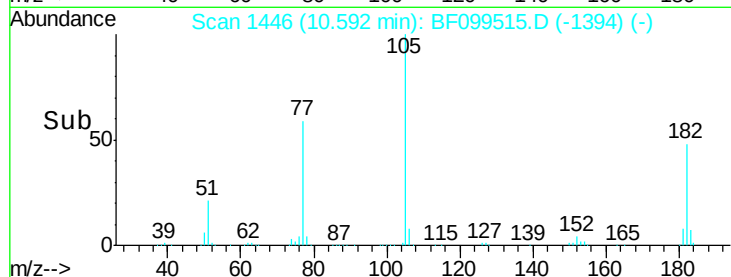


Abundance Ion 77.00 (76.70 to 77.70): BF0

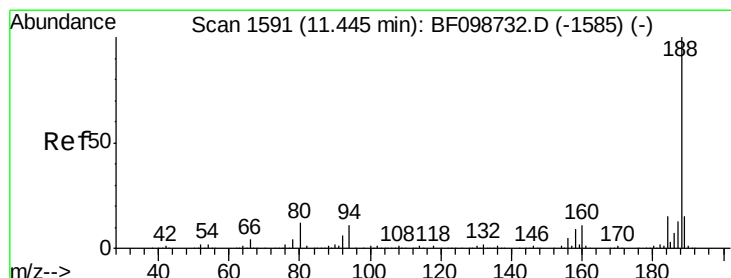
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF099515.D

Acq: 15 Oct 2017 15:54

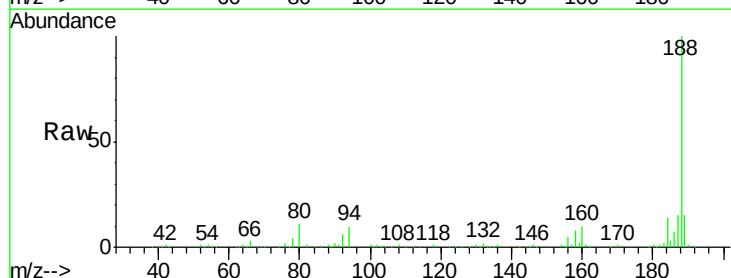
Tgt Ion: 188 Resp: 241520

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

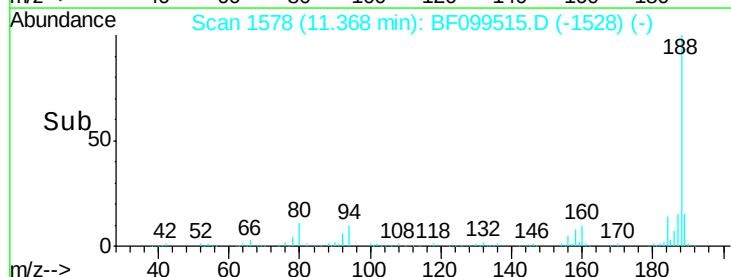
80 11.1 9.2 13.8



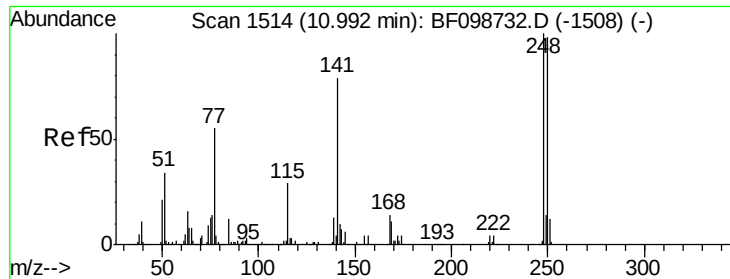
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



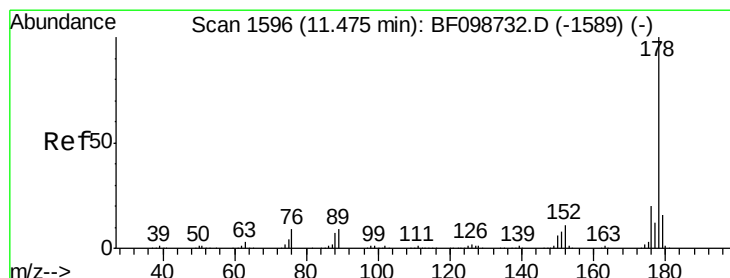
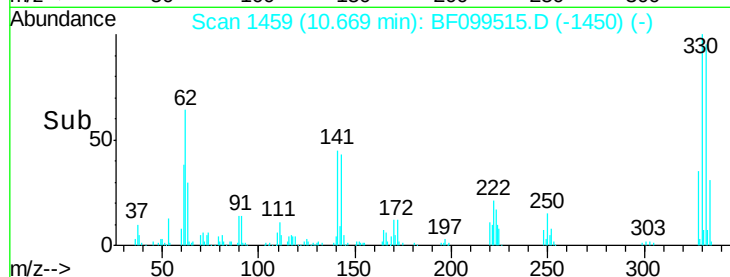
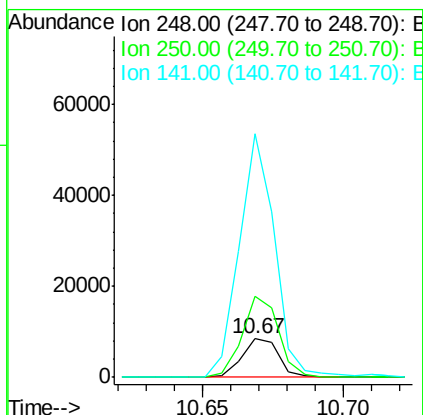
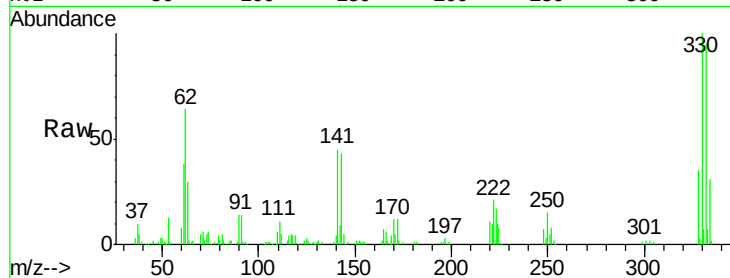
Time-->



#66
 4-Bromophenyl-phenylether
 Concen: 3.26 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF099515.D
 Acq: 15 Oct 2017 15:54

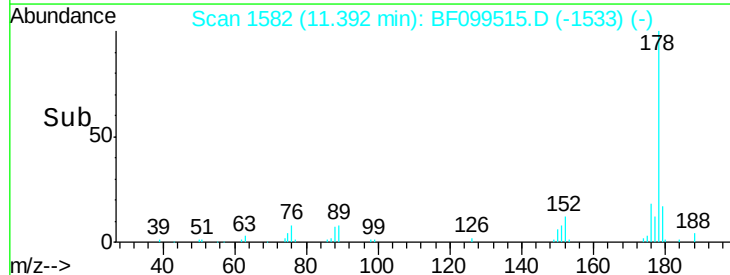
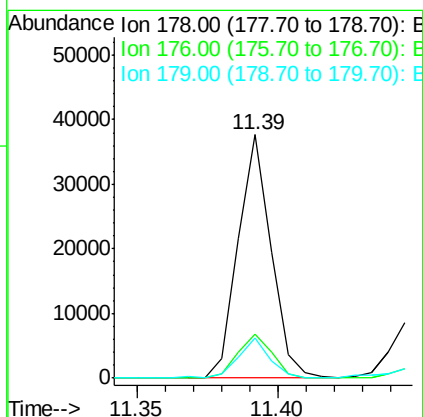
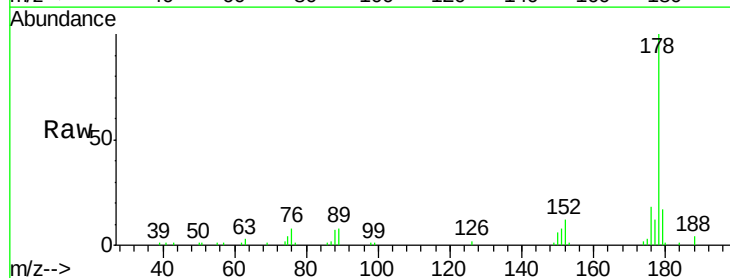
Instrument :
 BNA_F
 ClientSampleId :

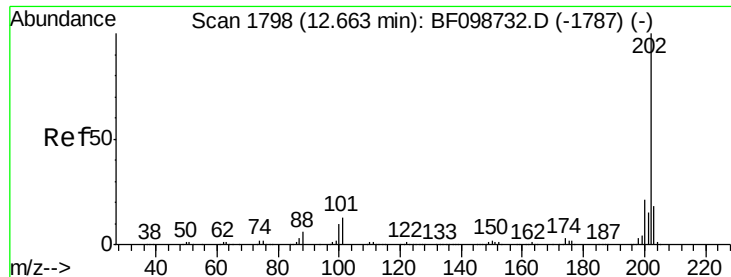
Tot Ion:248 Resp: 7711
 Ion Ratio Lower Upper
 248 100
 250 212.1 76.9 115.3#
 141 635.0 74.4 111.6#



#70
 Phenanthrene
 Concen: 2.37 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF099515.D
 Acq: 15 Oct 2017 15:54

Tgt Ion:178 Resp: 30649
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.8 23.8
 179 16.6 13.0 19.6

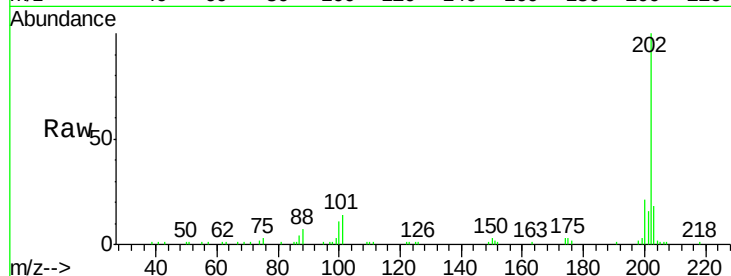




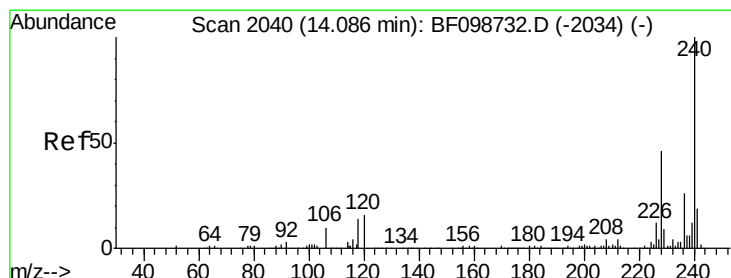
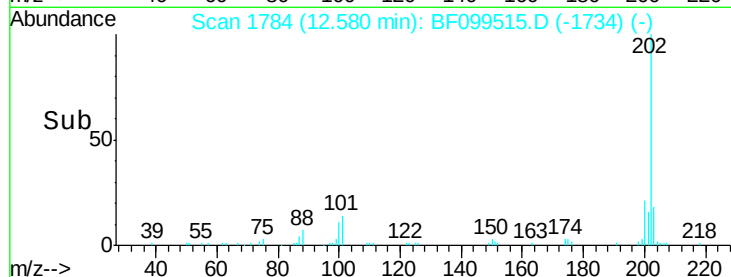
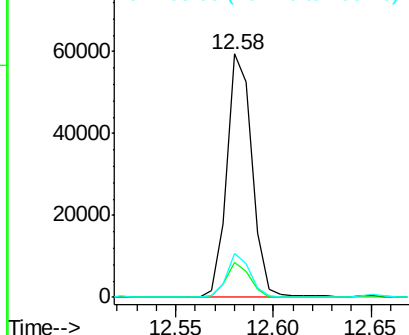
#74
Fluoranthene
Concen: 4.11 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	18.0	0.0	38.1

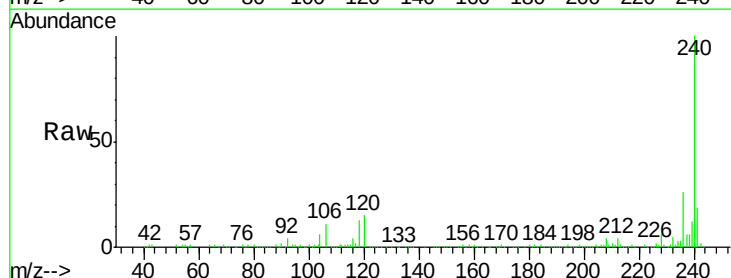


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

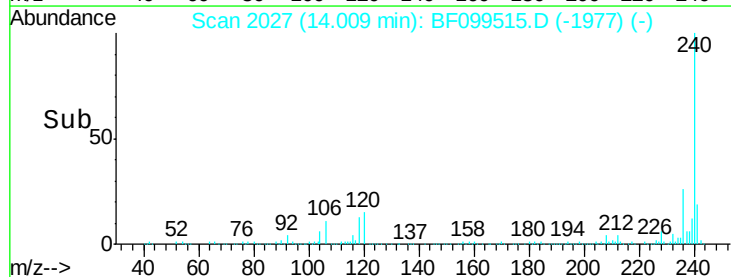
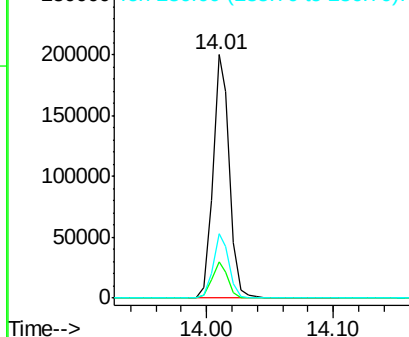


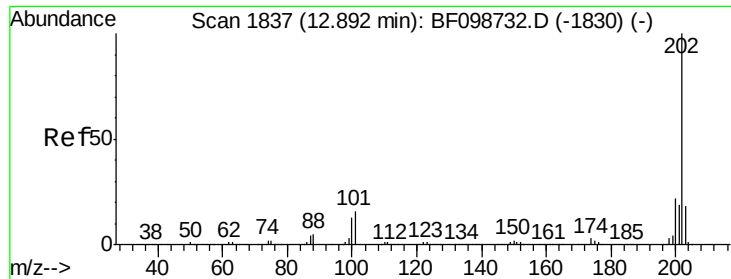
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	26.5	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

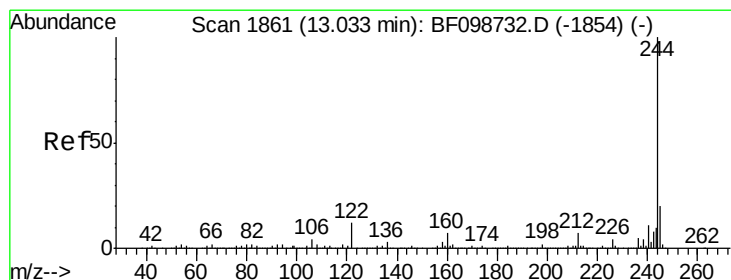
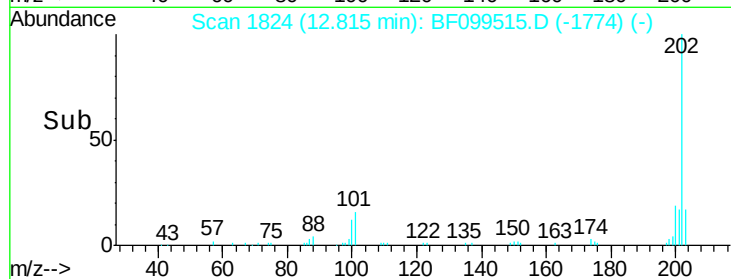
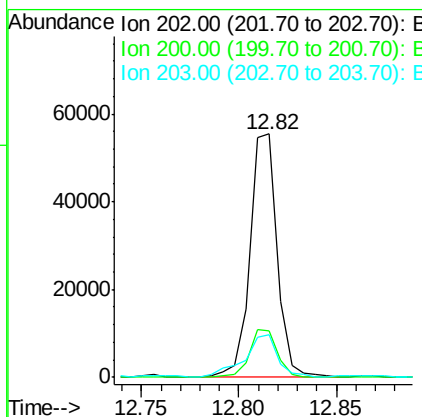
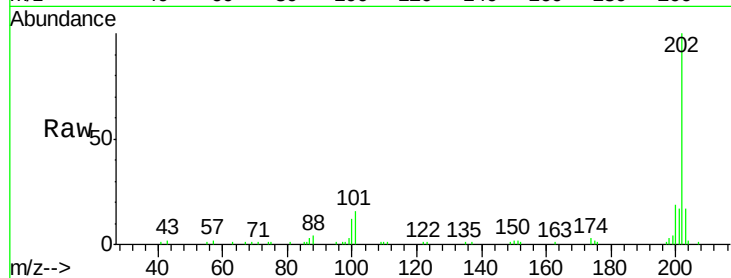




#77
Pvrene
Concen: 3.85 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

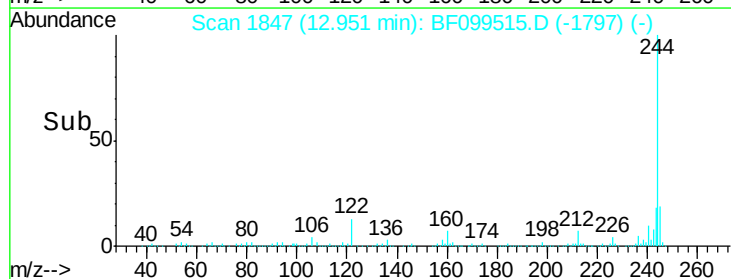
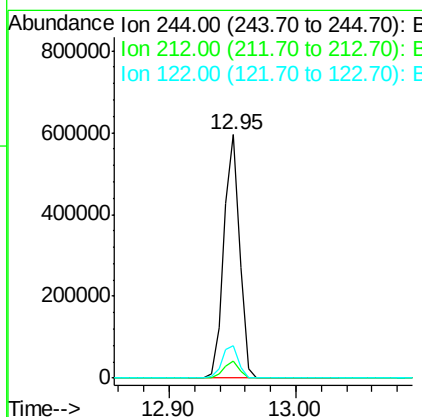
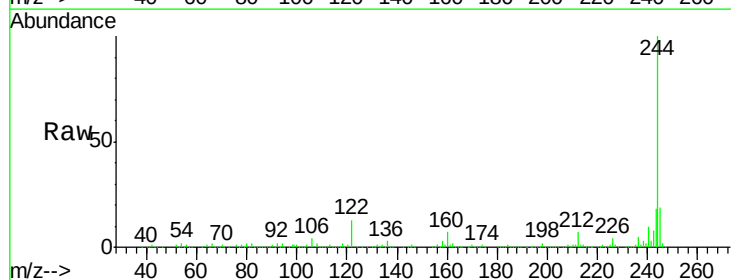
Instrument :
BNA_F
ClientSampleId :

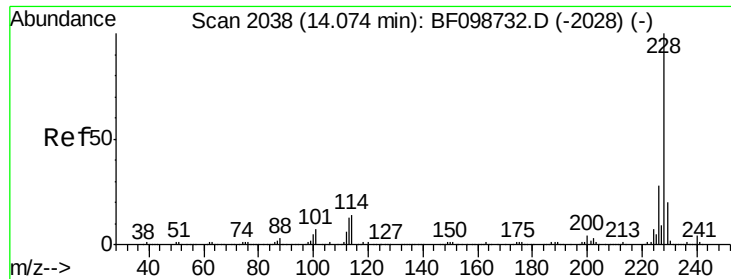
Tot Ion:202 Resp: 53700
Ion Ratio Lower Upper
202 100
200 19.3 17.4 26.2
203 17.5 14.3 21.5



#78
Terphenyl-d14
Concen: 63.73 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Tgt Ion:244 Resp: 513149
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 13.4 11.0 16.4

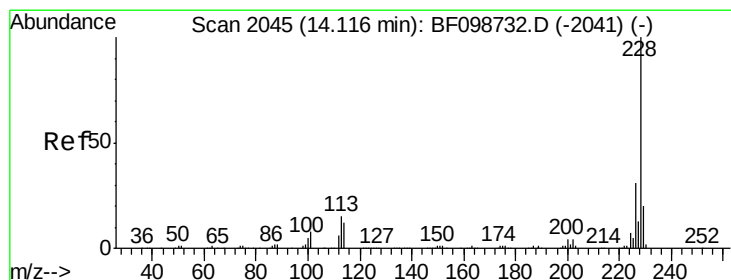
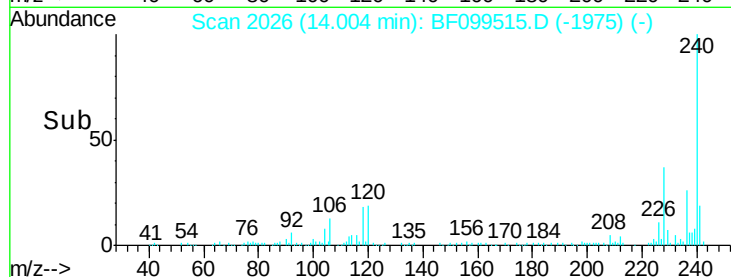
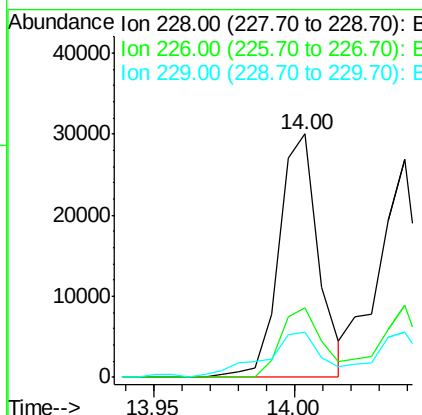
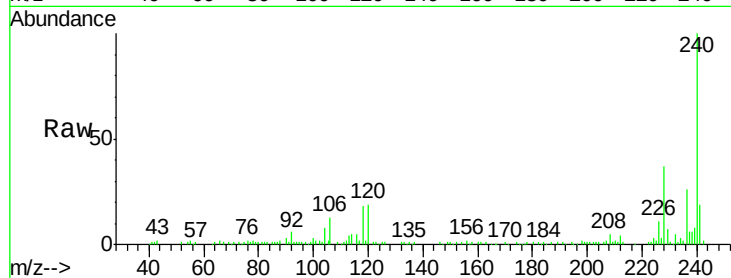




#80
Benzo(a)anthracene
Concen: 2.63 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

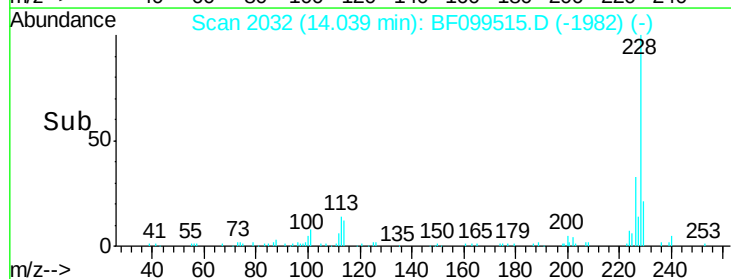
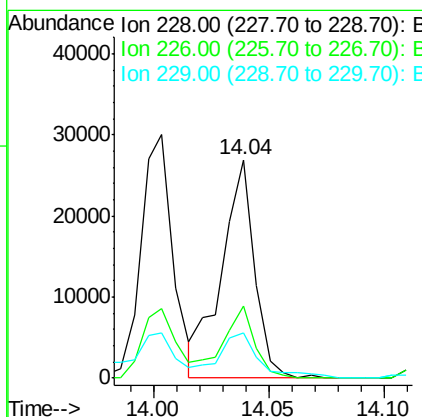
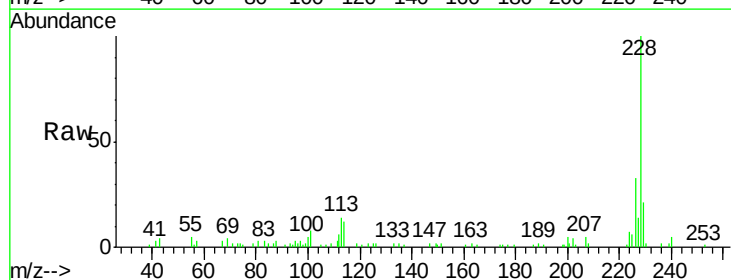
Instrument :
BNA_F
ClientSampleId :

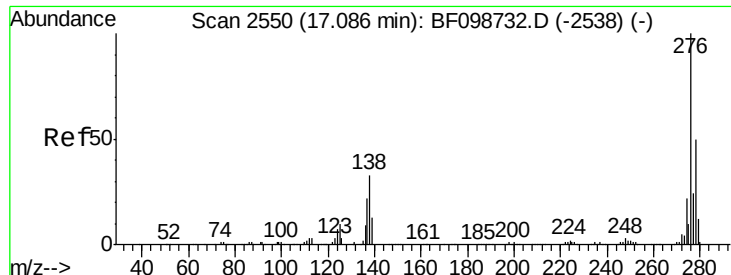
Tot Ion:228 Resp: 29180
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 18.5 15.8 23.6



#82
Chrysene
Concen: 2.55 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099515.D
Acq: 15 Oct 2017 15:54

Tgt Ion:228 Resp: 26884
Ion Ratio Lower Upper
228 100
226 33.1 25.0 37.6
229 20.7 16.2 24.4

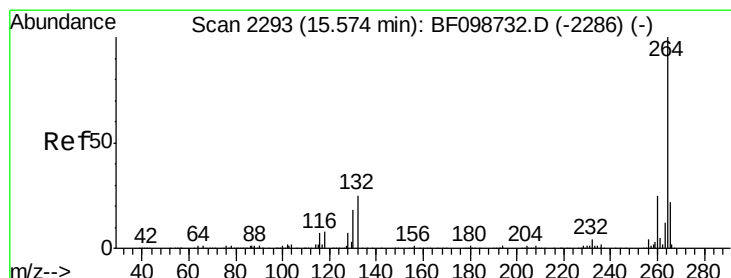
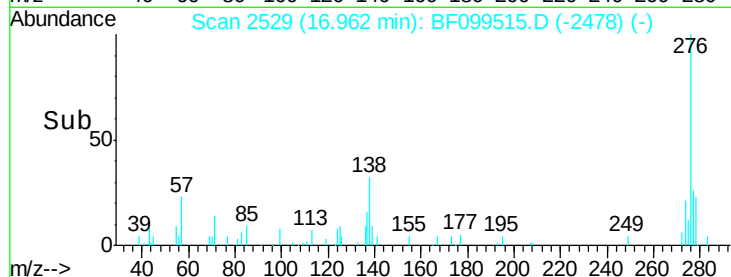
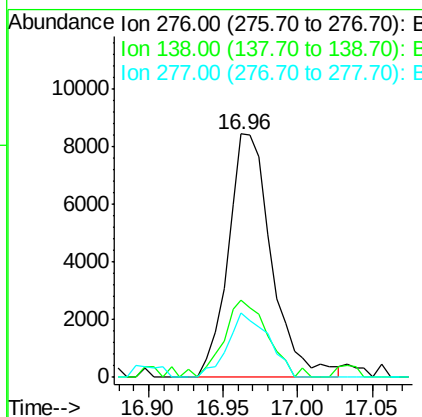
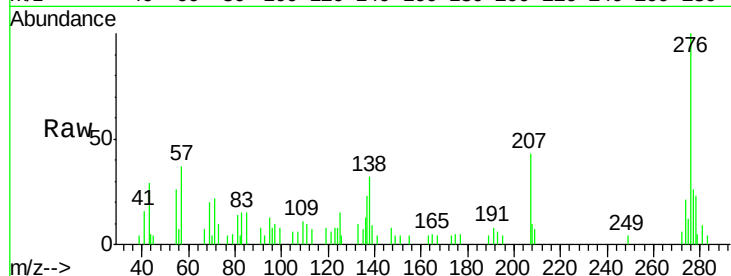




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.02 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: BF099515.D
 Acq: 15 Oct 2017 15:54

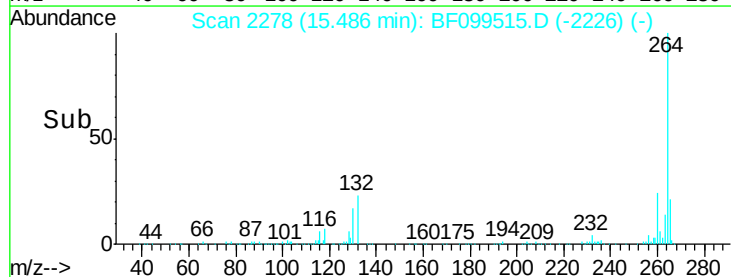
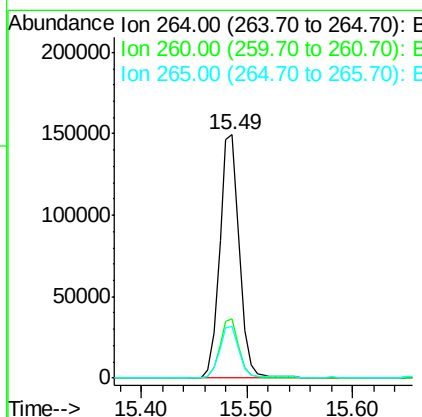
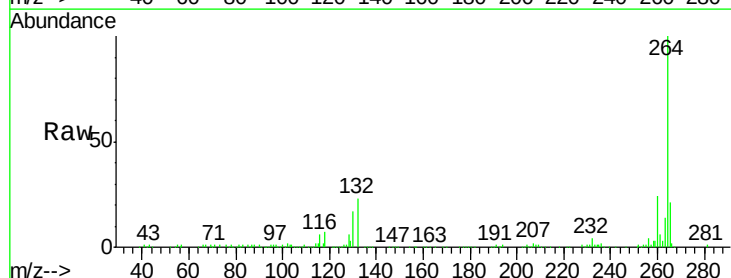
Instrument :
 BNA_F
 ClientSampleId :

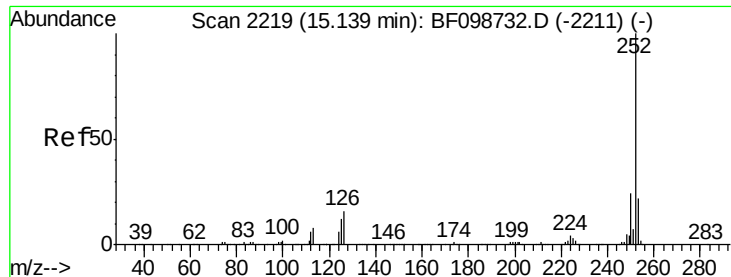
Tot Ion:276 Resp: 17073
 Ion Ratio Lower Upper
 276 100
 138 31.6 25.0 37.6
 277 24.7 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099515.D
 Acq: 15 Oct 2017 15:54

Tgt Ion:264 Resp: 195020
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 20.9 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.39 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BF099515.D

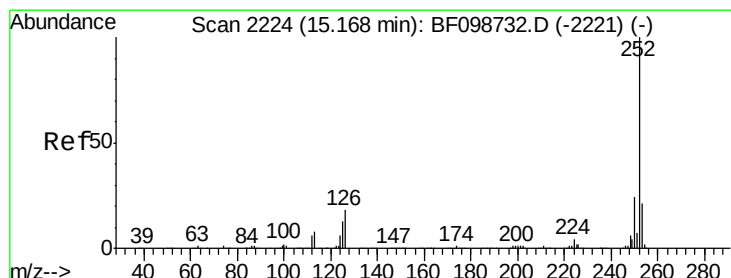
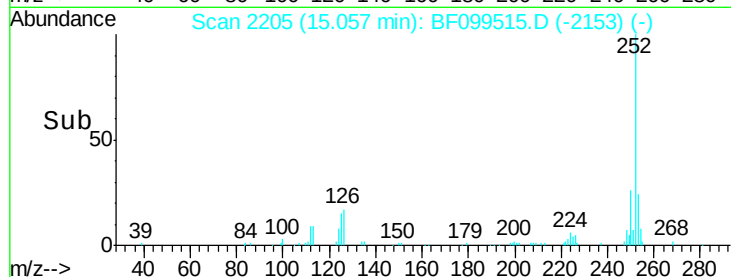
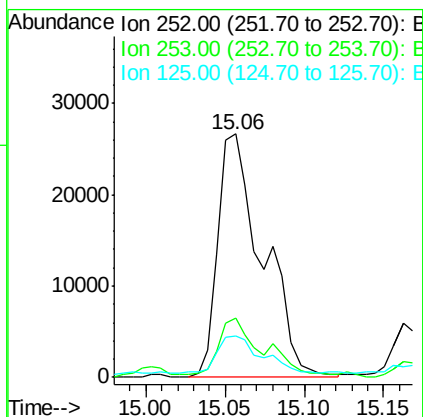
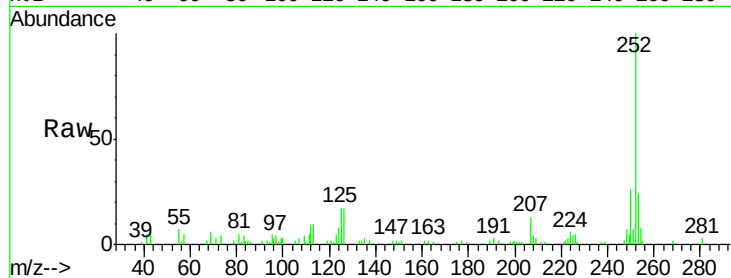
Acq: 15 Oct 2017 15:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	52617
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.0 25.6
125	17.0	9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 4.44 ng

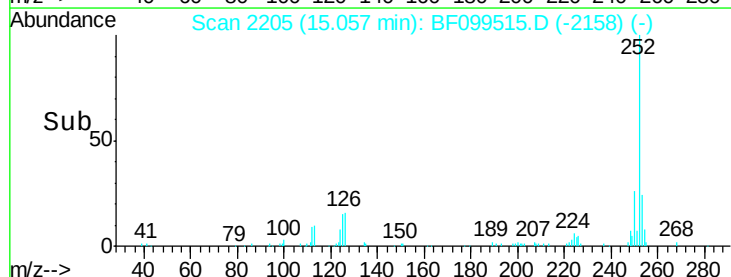
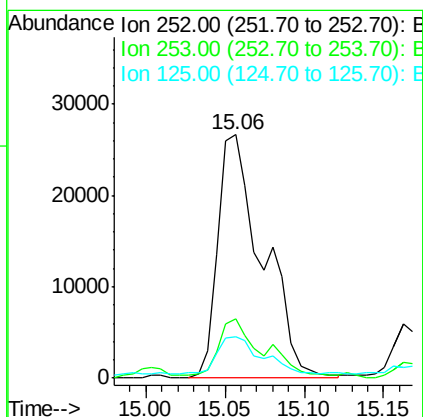
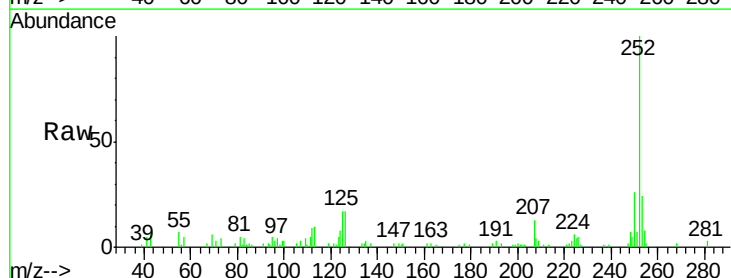
RT: 15.06 min Scan# 2205

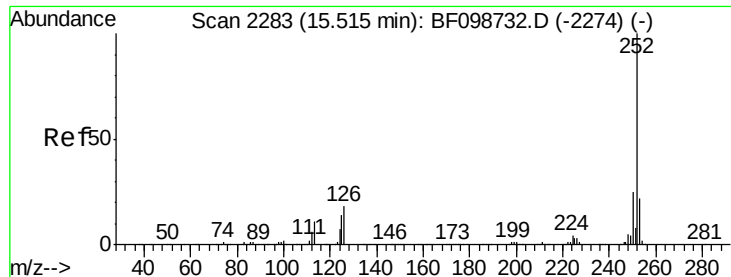
Delta R.T. -0.02 min

Lab File: BF099515.D

Acq: 15 Oct 2017 15:54

Tgt Ion:252	Resp:	52617
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.9 26.9
125	17.0	10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.79 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.00 min

Lab File: BF099515.D

Acq: 15 Oct 2017 15:54

Instrument :

BNA_F

ClientSampleId :

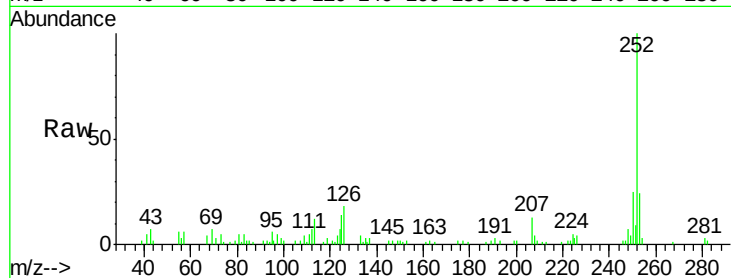
Tot Ion: 252 Resp: 30675

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 13.6 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

