

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080817\
 Data File : BF097509.D
 Acq On : 9 Aug 2017 10:50
 Operator : SJ/JU
 Sample : I4614-02RE 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSWRE

Quant Time: Aug 09 15:55:47 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	190151	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	708088	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	253371	20.00	ng	0.00
63) Phenanthrene-d10	10.90	188	373428	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	315345	20.00	ng	0.00
86) Perylene-d12	14.87	264	231330	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.00	112	397758	31.53	ng	0.00
7) Phenol-d6	6.07	99	469439	32.60	ng	-0.01
23) Nitrobenzene-d5	6.97	82	370937	30.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	53401	26.68	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	474771	31.80	ng	0.00
78) Terphenyl-d14	12.49	244	318201	20.57	ng	-0.01

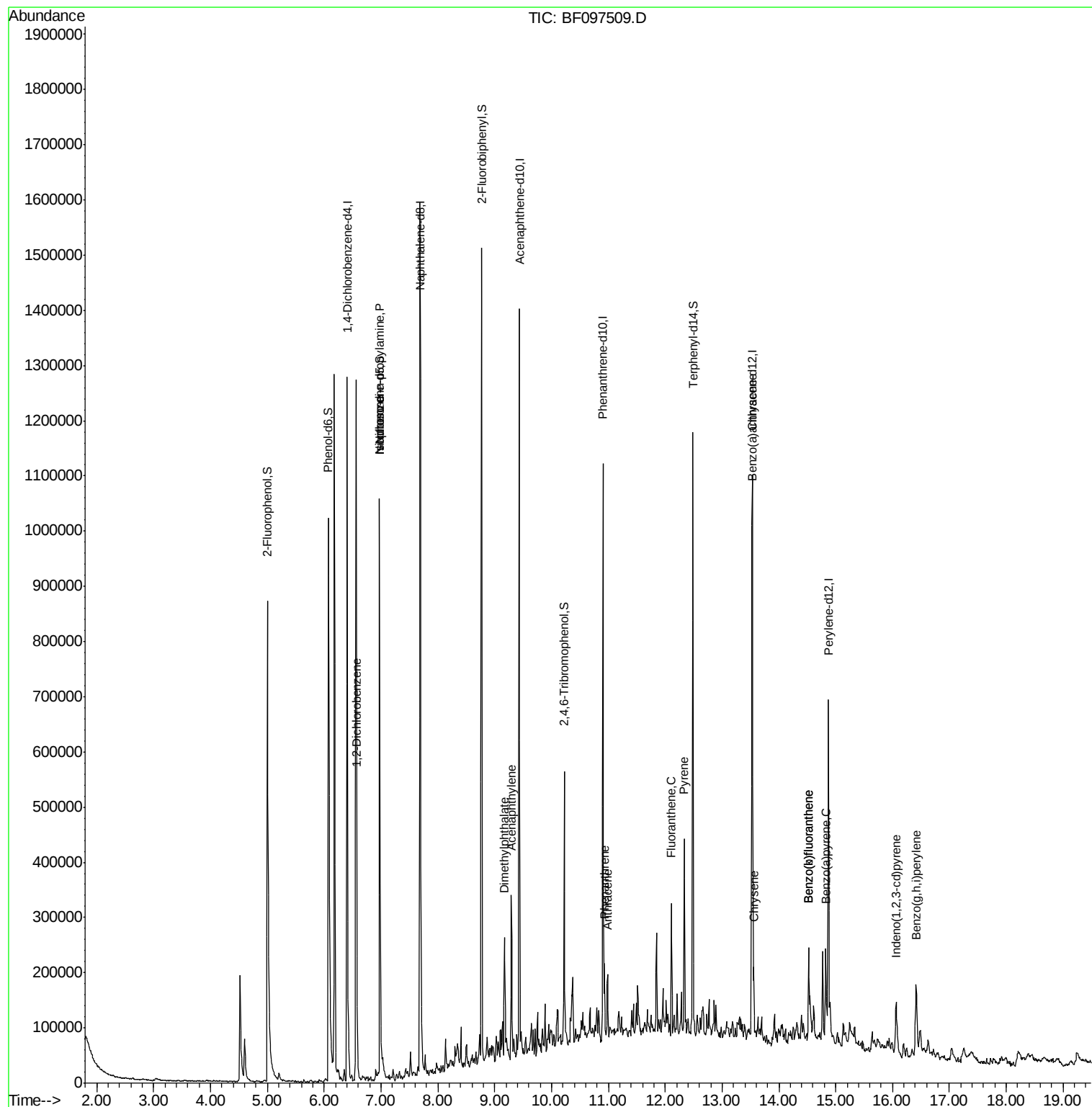
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) 1,2-Dichlorobenzene	6.57	146	27760	2.207	ng	97
19) n-Nitroso-di-n-propylamine	6.97	70	49335	5.205	ng	# 86
25) Isophorone	6.97	82	370935	15.692	ng	# 67
48) Acenaphthylene	9.29	152	117568	4.810	ng	98
49) Dimethylphthalate	9.17	163	51050	2.653	ng	100
70) Phenanthrene	10.93	178	51484	2.573	ng	99
71) Anthracene	10.99	178	43100	2.103	ng	99
74) Fluoranthene	12.11	202	86363	4.406	ng	96
77) Pyrene	12.33	202	140489	5.442	ng	97
80) Benzo(a)anthracene	13.52	228	54874	2.689	ng	# 53
82) Chrysene	13.56	228	45649	2.291	ng	# 89
85) Indeno(1,2,3-cd)pyrene	16.06	276	53105	3.108	ng	92
87) Benzo(b)fluoranthene	14.53	252	88920	6.394	ng	# 95
88) Benzo(k)fluoranthene	14.53	252	88920	6.710	ng	98
89) Benzo(a)pyrene	14.82	252	61910	4.865	ng	95
91) Benzo(g,h,i)perylene	16.42	276	99758	9.115	ng	100

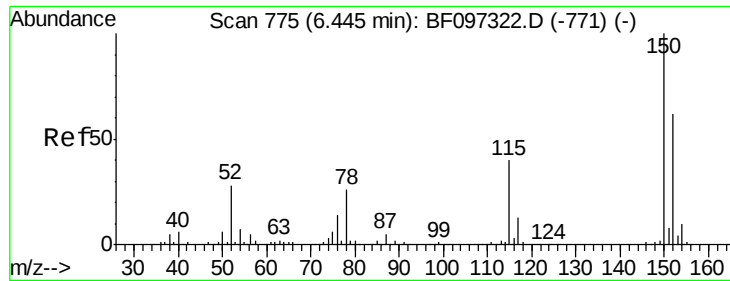
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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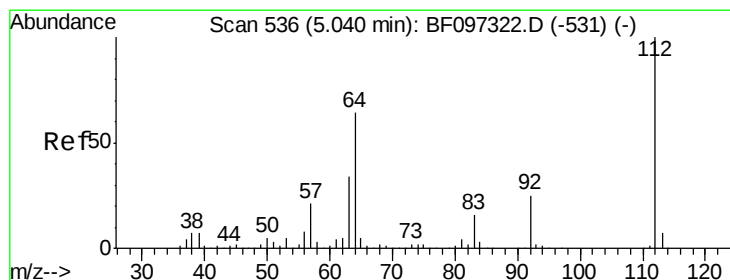
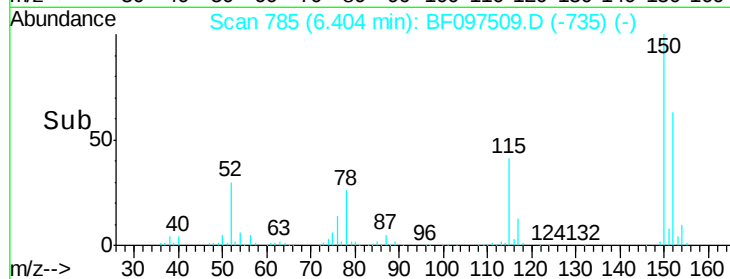
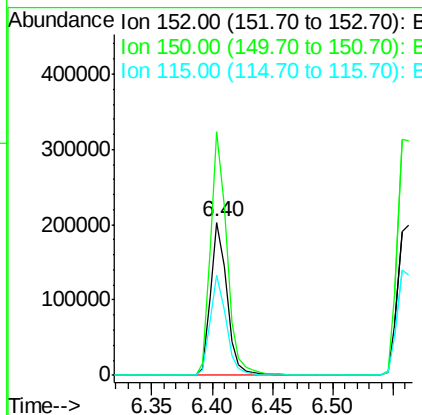
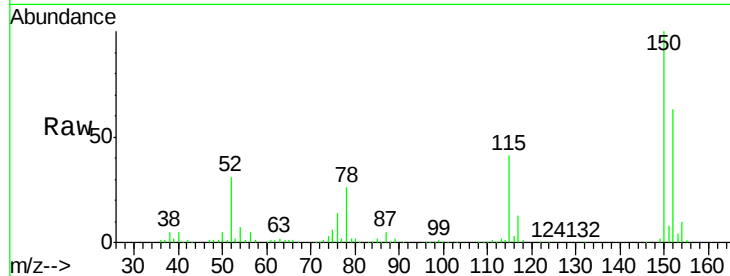


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSWRE

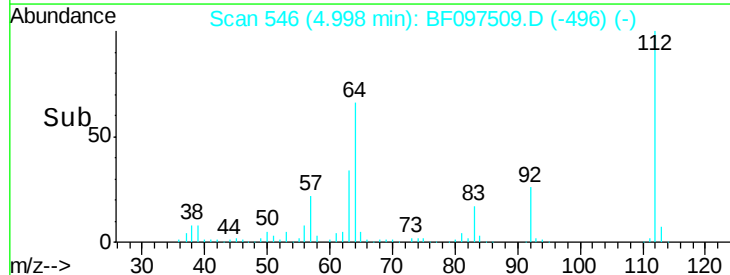
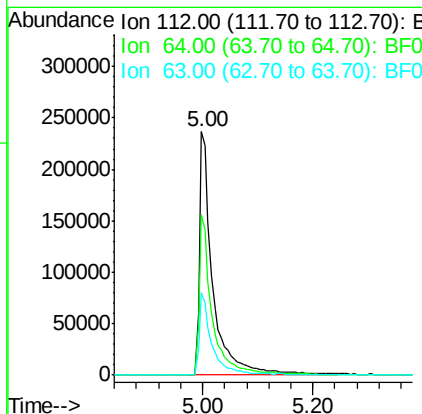
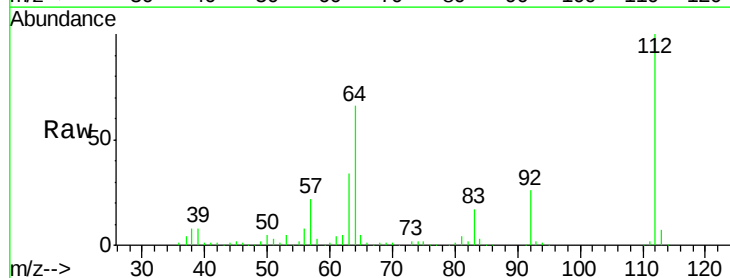
Tgt Ion:152 Resp: 190151
Ion Ratio Lower Upper
152 100
150 159.1 126.2 189.2
115 65.6 52.2 78.2

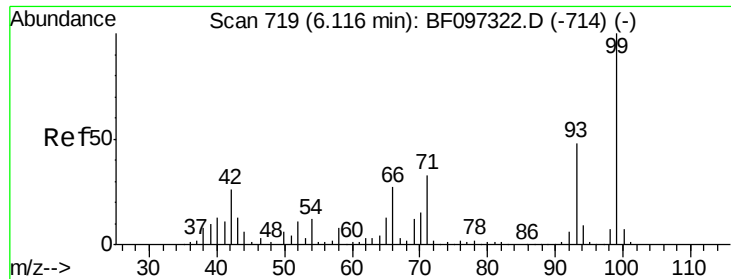


#5

2-Fluorophenol
Concen: 31.534 ng
RT: 5.00 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Tgt Ion:112 Resp: 397758
Ion Ratio Lower Upper
112 100
64 66.1 46.0 69.0
63 33.7 23.4 35.0





#7

Phenol-d6

Concen: 32.600 ng

RT: 6.07 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSWRE

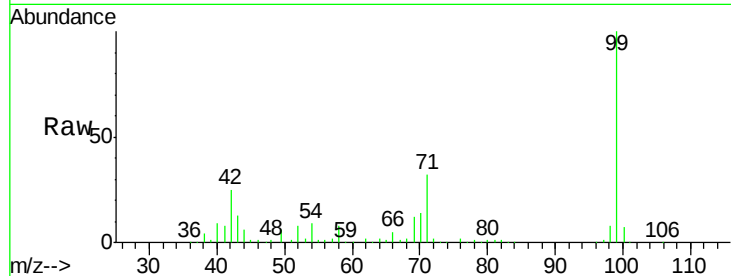
Tgt Ion: 99 Resp: 469439

Ion Ratio Lower Upper

99 100

42 24.9 13.5 20.3#

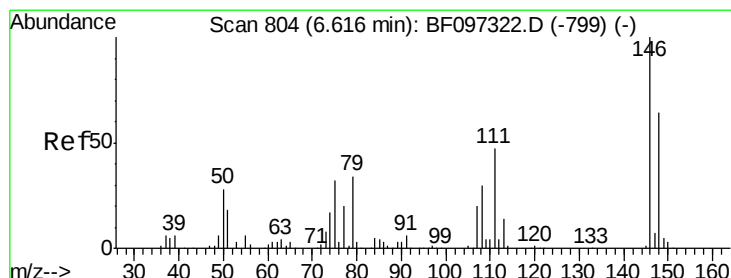
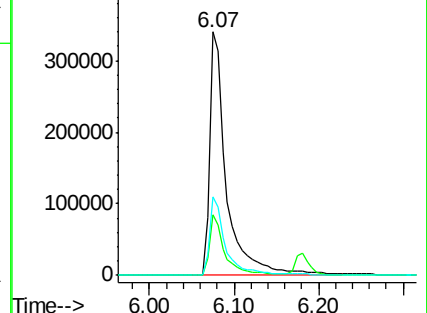
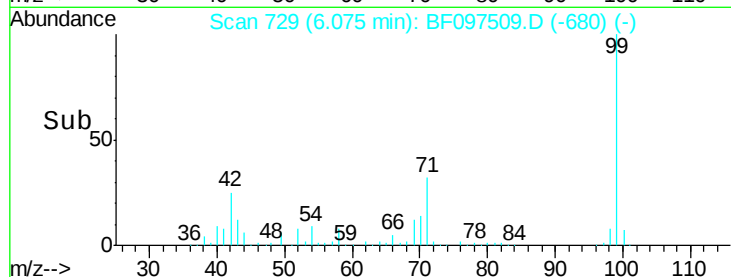
71 32.3 24.5 36.7



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



#14

1,2-Dichlorobenzene

Concen: 2.207 ng

RT: 6.57 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

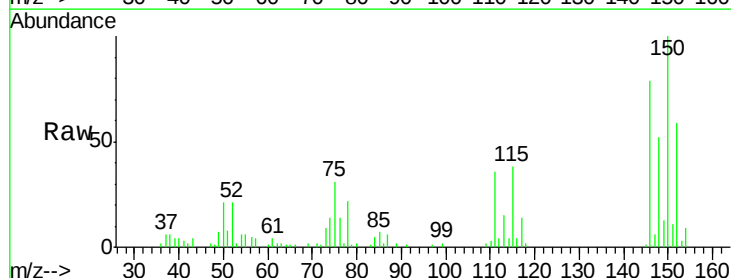
Tgt Ion: 146 Resp: 27760

Ion Ratio Lower Upper

146 100

148 65.4 50.4 75.6

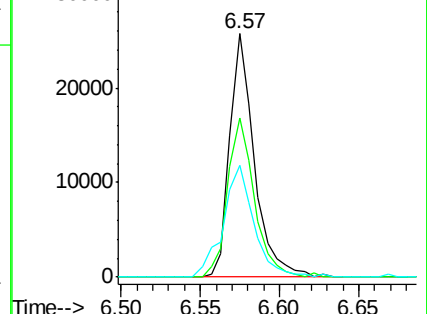
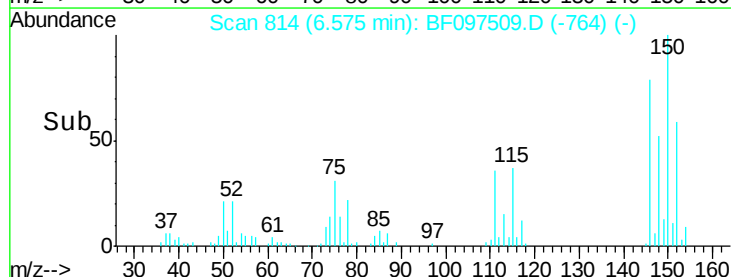
111 46.1 38.2 57.4

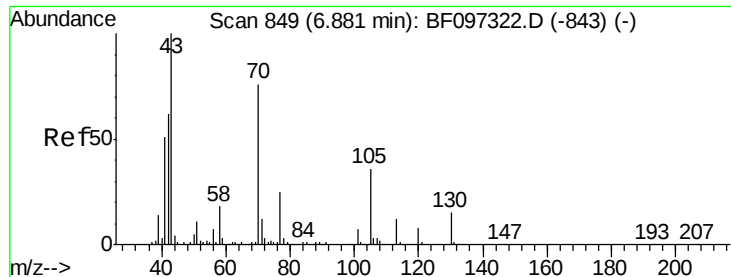


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

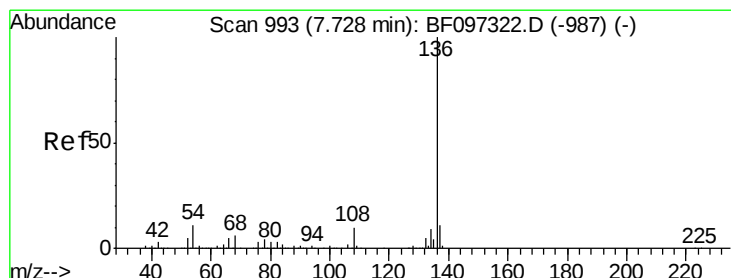
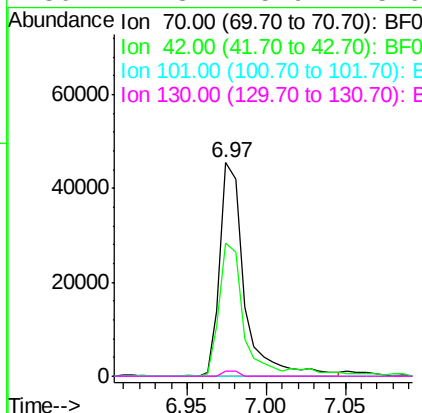
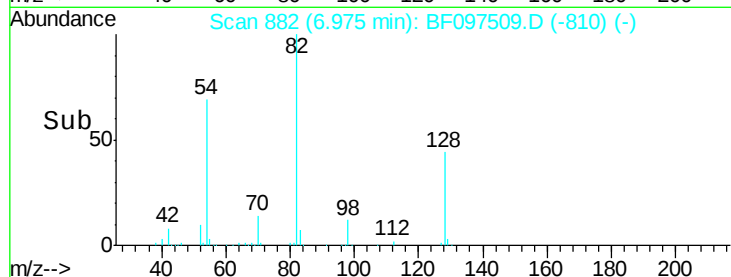
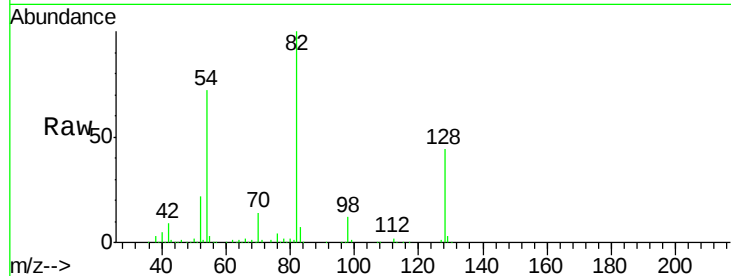




#19
n-Nitroso-di-n-propylamine
Concen: 5.205 ng
RT: 6.97 min Scan# 882
Delta R.T. 0.12 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

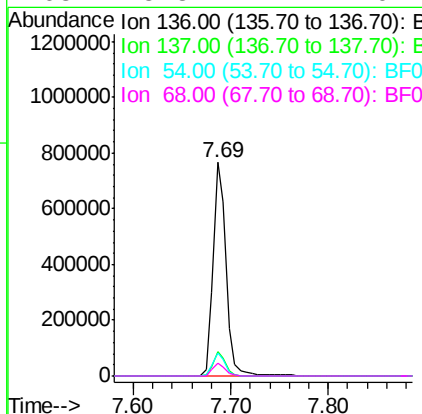
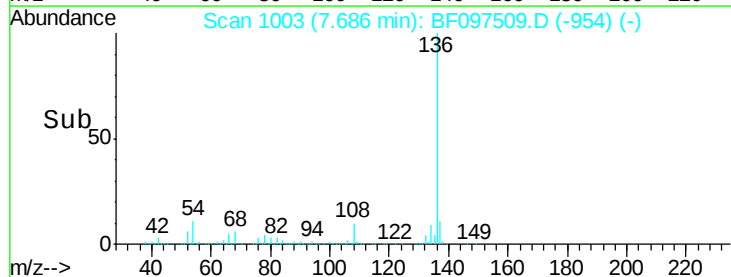
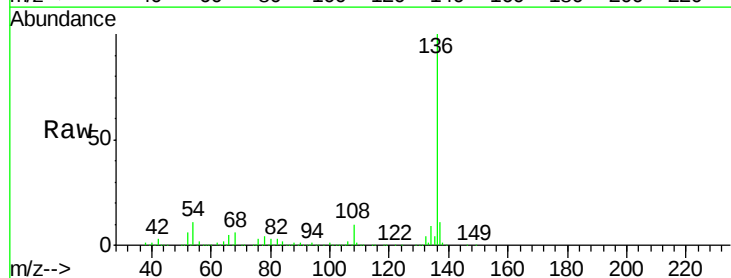
Instrument :
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E2-N10-WSWRE

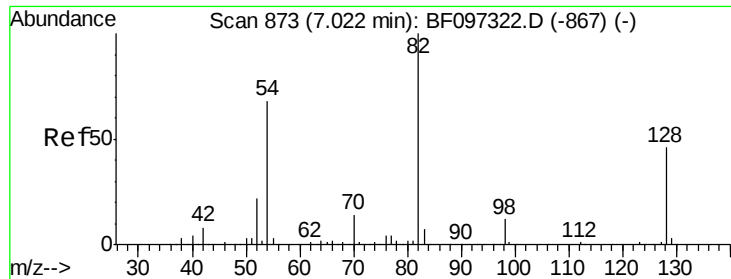
Tgt Ion: 70 Resp: 49335
Ion Ratio Lower Upper
70 100
42 62.1 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Tgt Ion: 136 Resp: 708088
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.8 4.9 7.3#
68 5.8 4.1 6.1

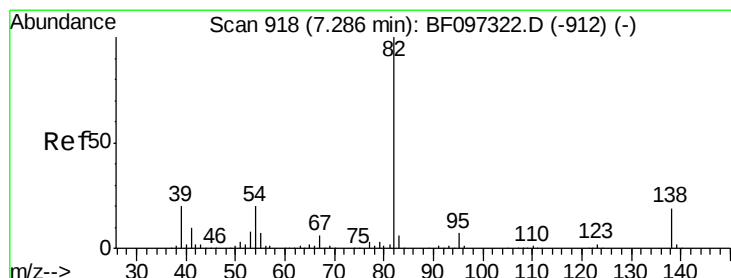
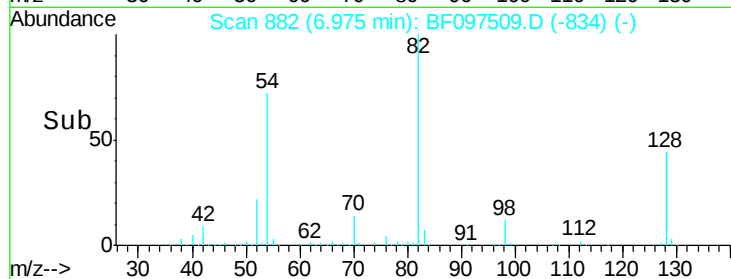
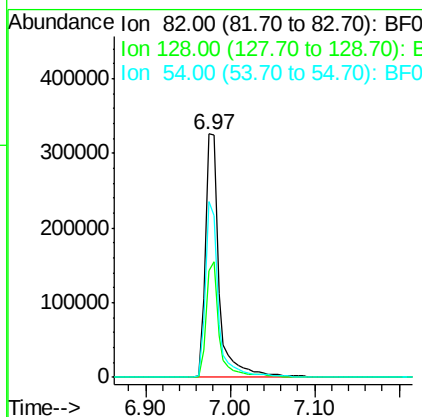
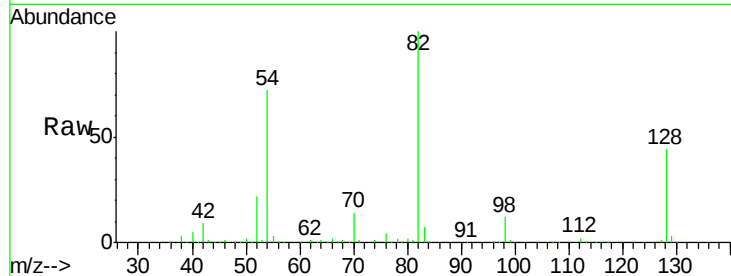




#23
 Nitrobenzene-d5
 Concen: 30.732 ng
 RT: 6.97 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF097509.D
 Acq: 9 Aug 2017 10:50

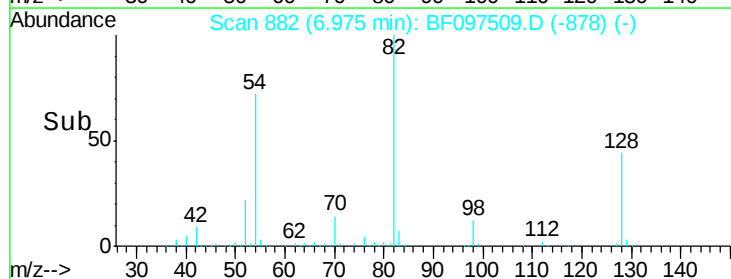
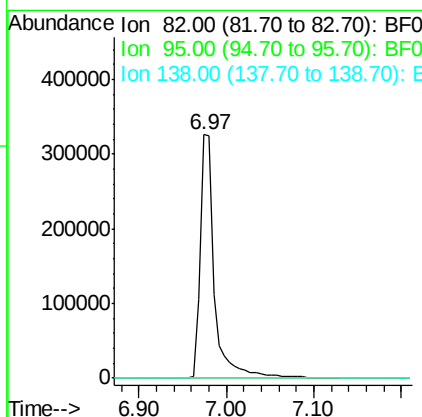
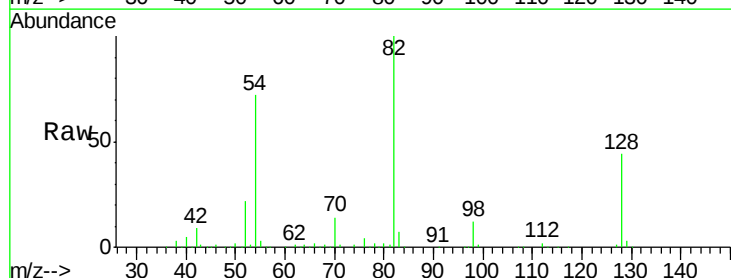
Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSWRE

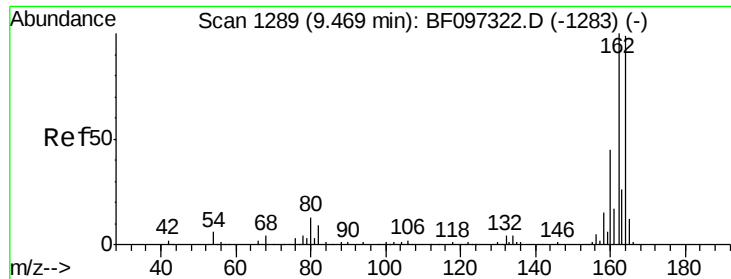
Tgt Ion: 82 Resp: 370937
 Ion Ratio Lower Upper
 82 100
 128 43.6 34.0 51.0
 54 72.1 42.2 63.2#



#25
 Isophorone
 Concen: 15.692 ng
 RT: 6.97 min Scan# 882
 Delta R.T. -0.28 min
 Lab File: BF097509.D
 Acq: 9 Aug 2017 10:50

Tgt Ion: 82 Resp: 370935
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

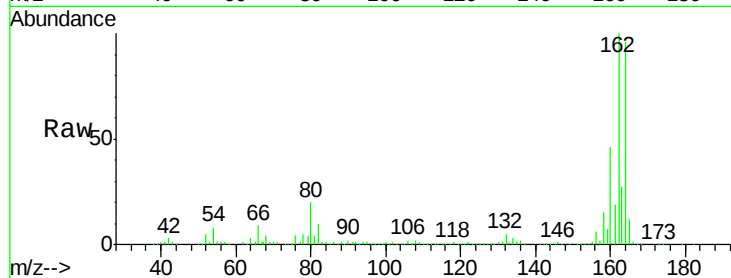




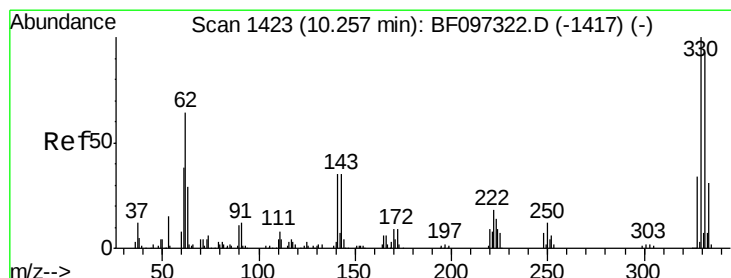
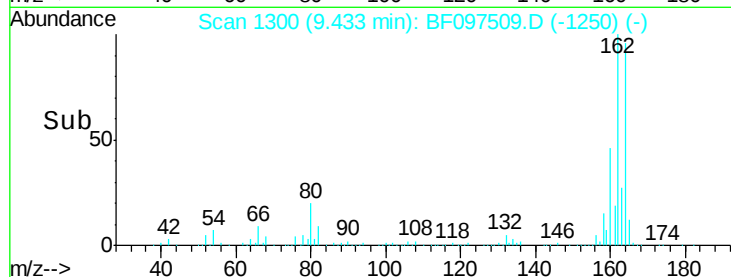
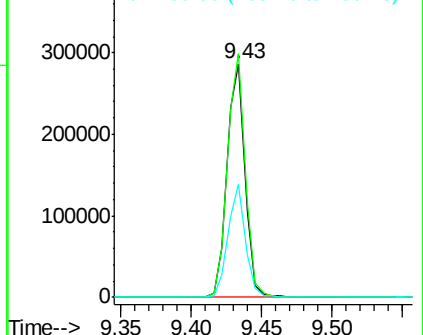
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097509.D
 Acq: 9 Aug 2017 10:50

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSWRE

Tgt Ion:164 Resp: 253371
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.6 123.8
 160 48.2 36.2 54.2

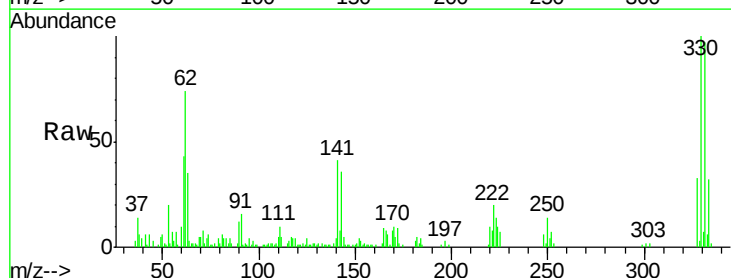


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

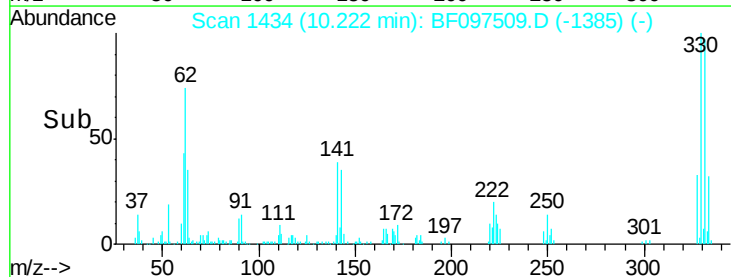
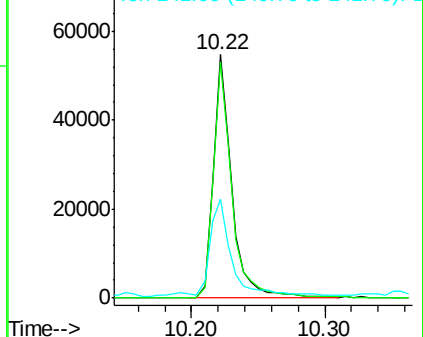


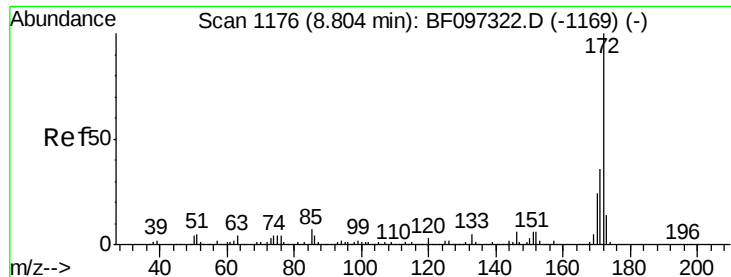
#41
 2,4,6-Tribromophenol
 Concen: 26.675 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097509.D
 Acq: 9 Aug 2017 10:50

Tgt Ion:330 Resp: 53401
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 45.4 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

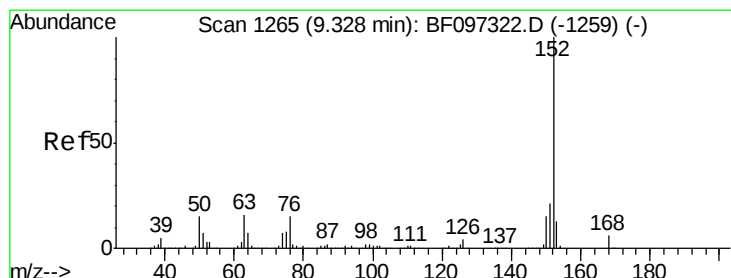
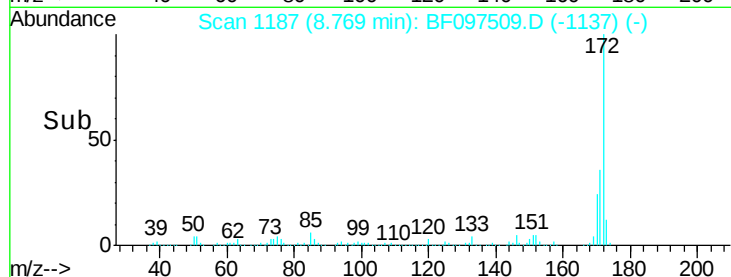
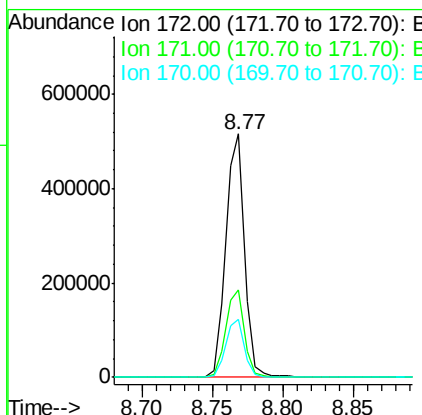
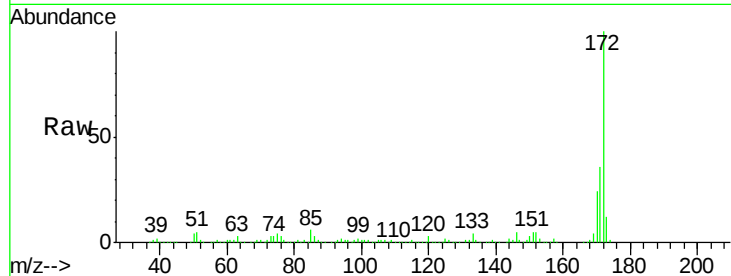




#44
 2-Fluorobiphenyl
 Concen: 31.800 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097509.D
 Acq: 9 Aug 2017 10:50

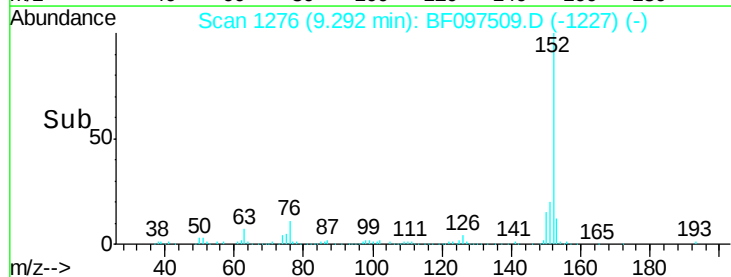
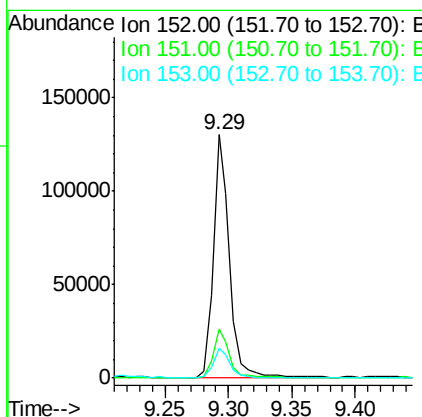
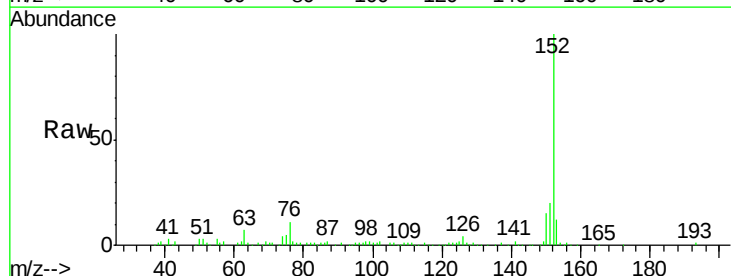
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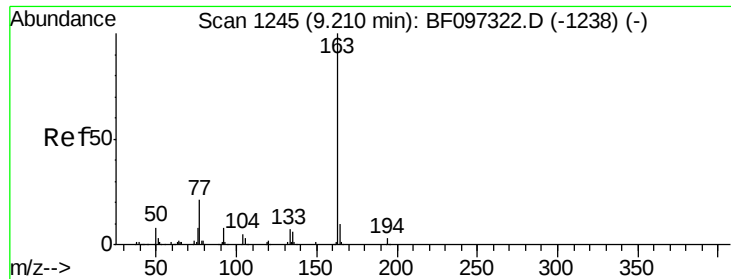
Tgt Ion:172 Resp: 474771
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.7 19.8 29.8



#48
 Acenaphthylene
 Concen: 4.810 ng
 RT: 9.29 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF097509.D
 Acq: 9 Aug 2017 10:50

Tgt Ion:152 Resp: 117568
 Ion Ratio Lower Upper
 152 100
 151 20.3 16.8 25.2
 153 12.1 10.8 16.2

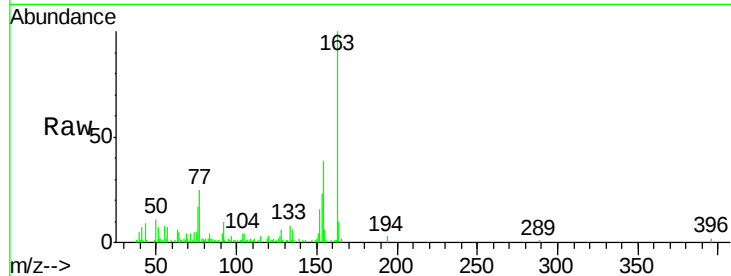




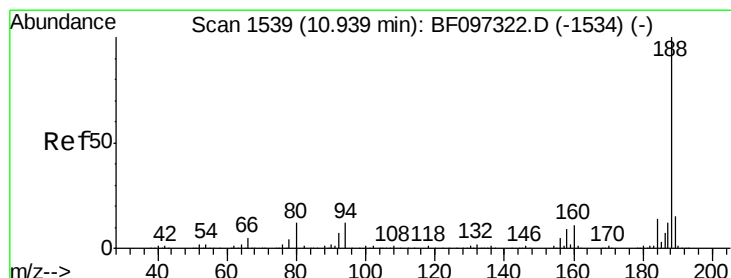
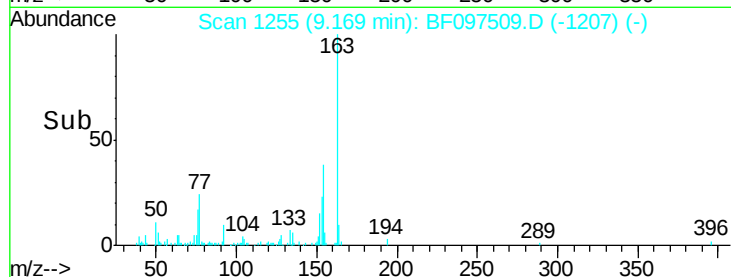
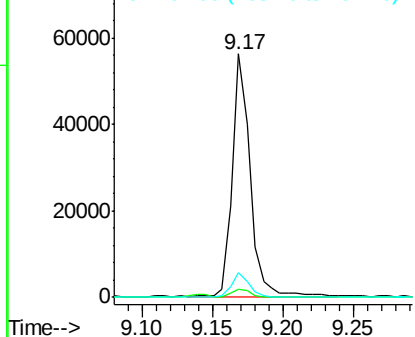
#49
Dimethylphthalate
Concen: 2.653 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSWRE

Tgt Ion:163 Resp: 51050
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.4 8.4 12.6

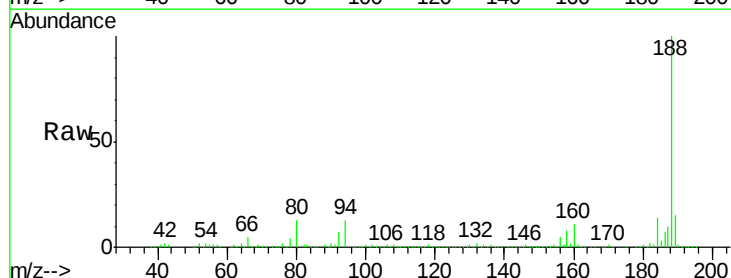


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

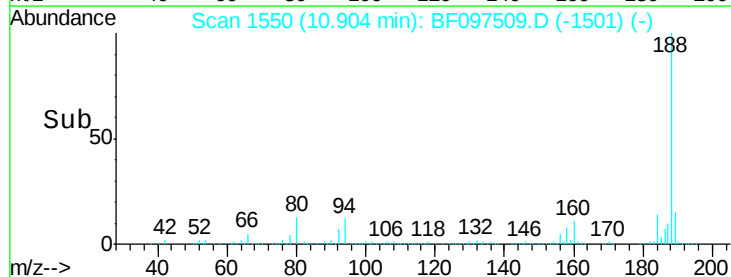
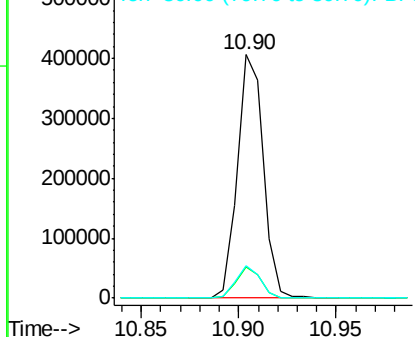


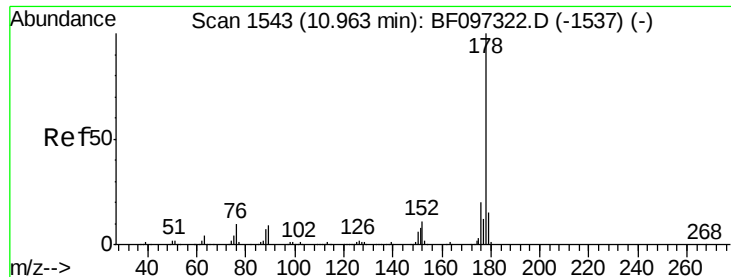
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.90 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Tgt Ion:188 Resp: 373428
Ion Ratio Lower Upper
188 100
94 12.6 9.4 14.2
80 13.3 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

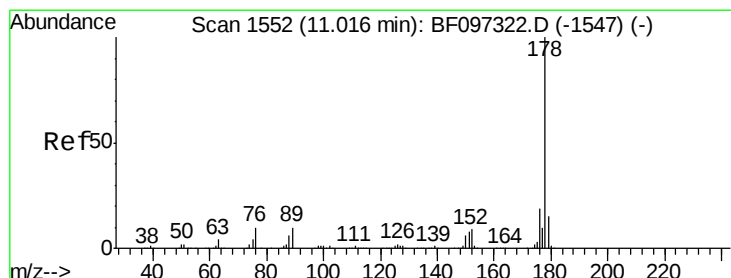
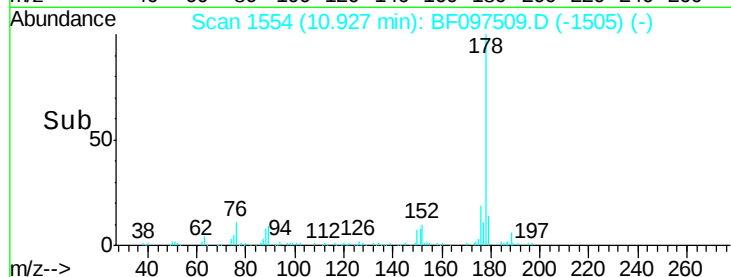
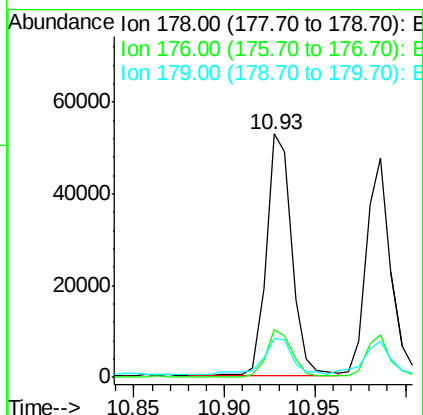
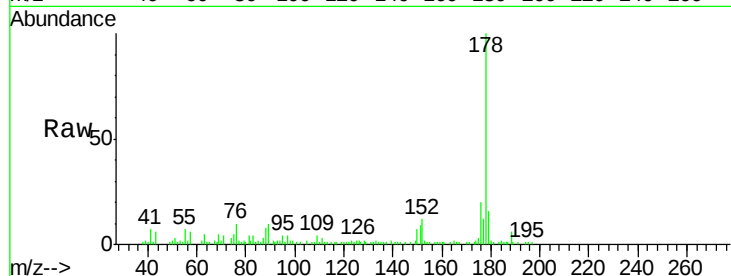




#70
Phenanthrene
Concen: 2.573 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

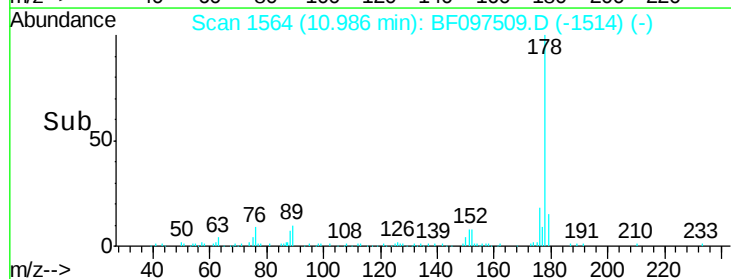
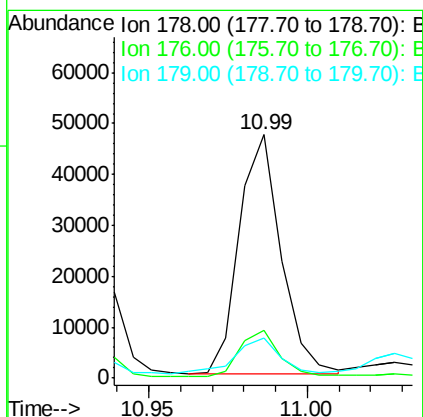
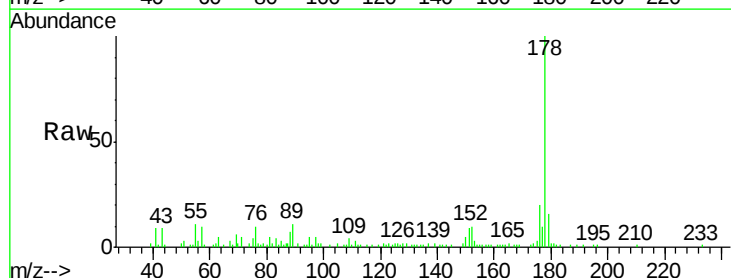
Instrument :
BNA_F
ClientSampleId :
E2-N10-WSWRE

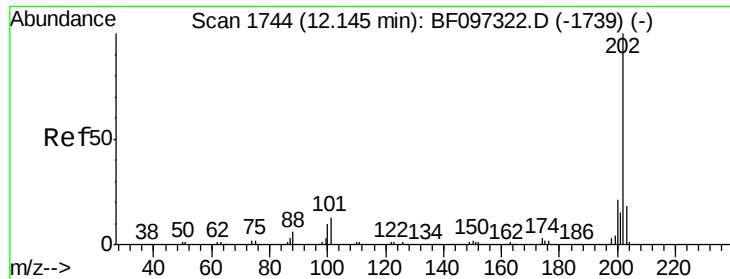
Tgt Ion:178 Resp: 51484
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.9 12.6 19.0



#71
Anthracene
Concen: 2.103 ng
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097509.D
Acq: 9 Aug 2017 10:50

Tgt Ion:178 Resp: 43100
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 16.3 12.7 19.1





#74

Fluoranthene

Concen: 4.406 ng

RT: 12.11 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSWRE

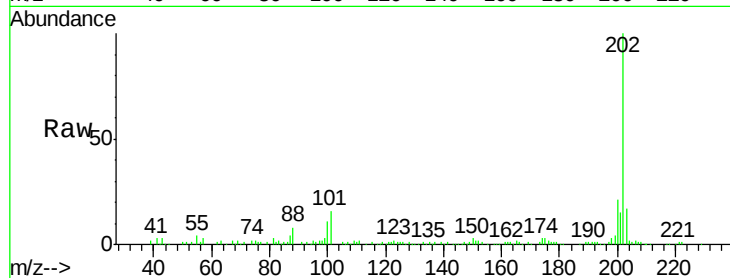
Tgt Ion: 202 Resp: 86363

Ion Ratio Lower Upper

202 100

101 15.8 0.0 33.2

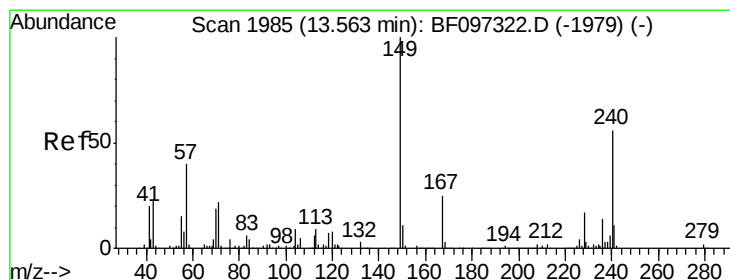
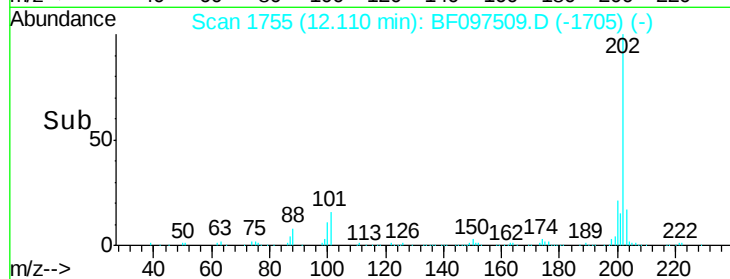
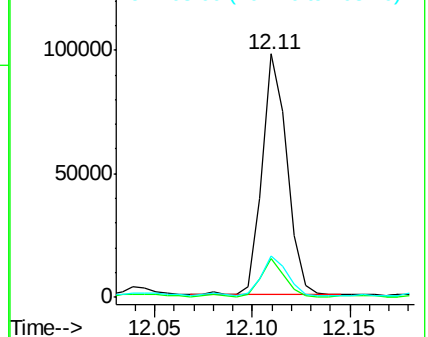
203 17.1 0.0 38.1



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: 20.000 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

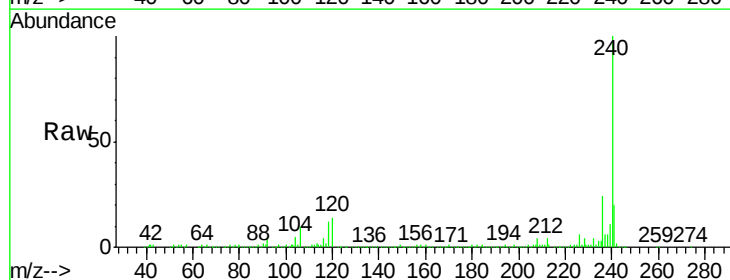
Tgt Ion: 240 Resp: 315345

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

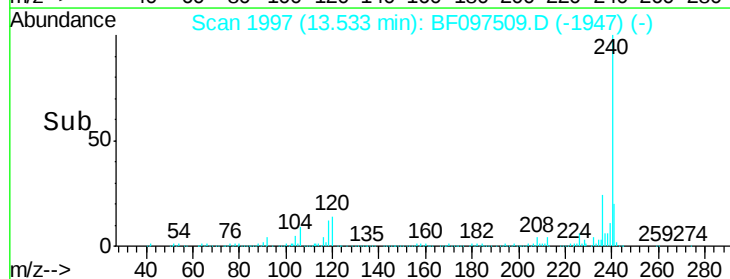
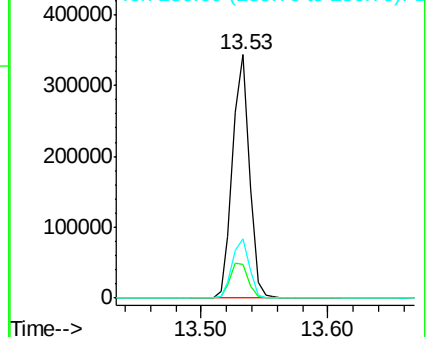
236 24.3 20.5 30.7

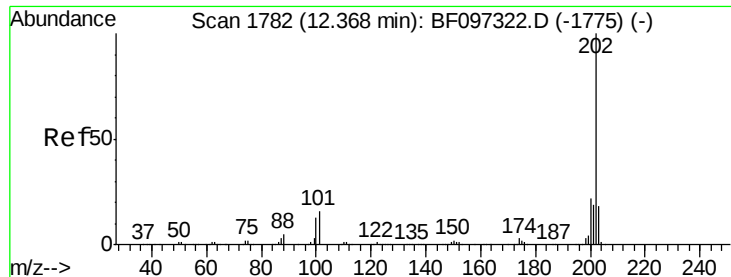


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.442 ng

RT: 12.33 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSWRE

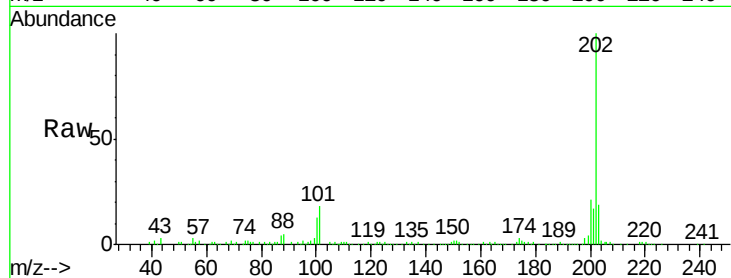
Tgt Ion: 202 Resp: 140489

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

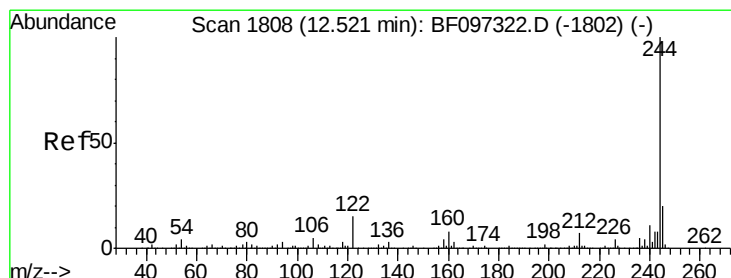
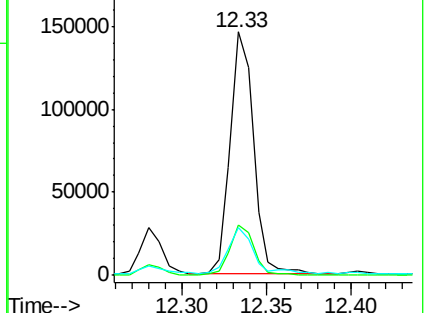
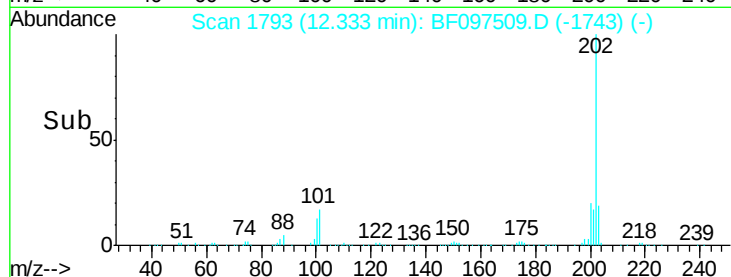
203 19.4 14.4 21.6



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: 20.573 ng

RT: 12.49 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

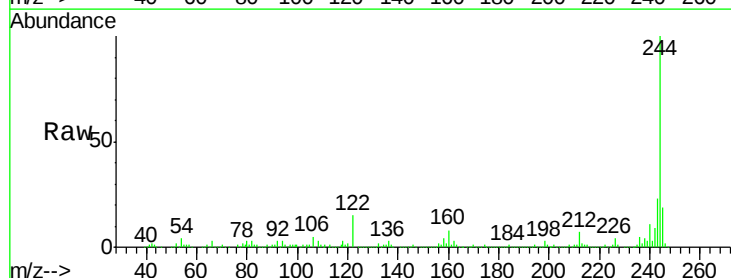
Tgt Ion: 244 Resp: 318201

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

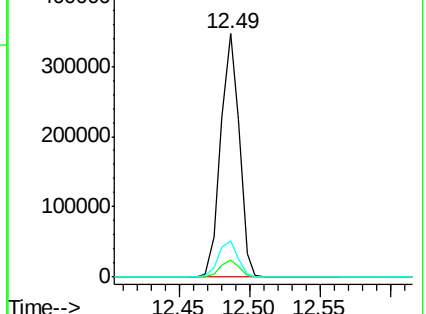
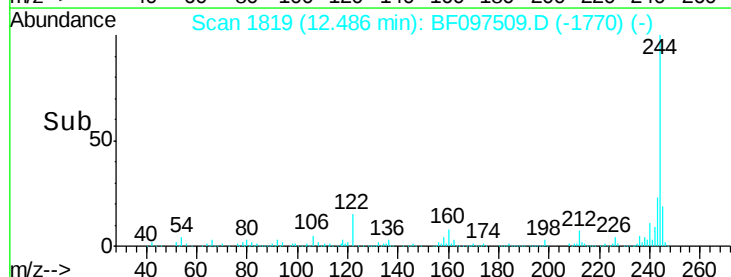
122 15.0 10.3 15.5

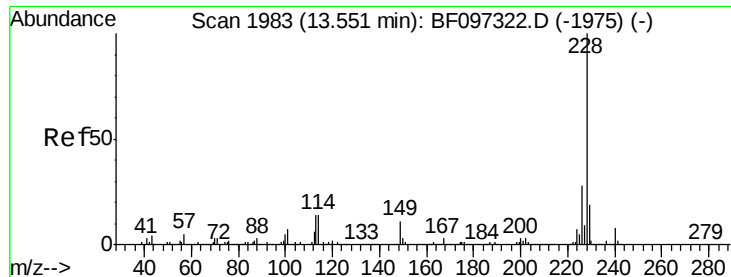


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.689 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

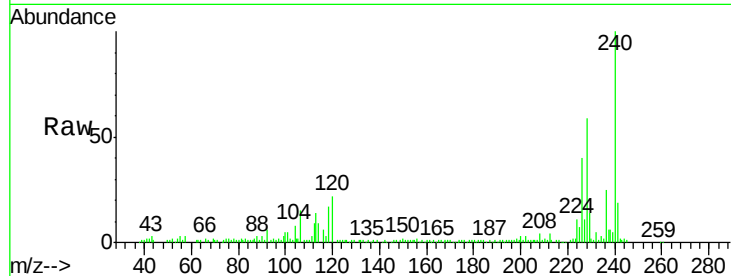
Instrument :

BNA_F

ClientSampleId :

E2-N10-WSWRE

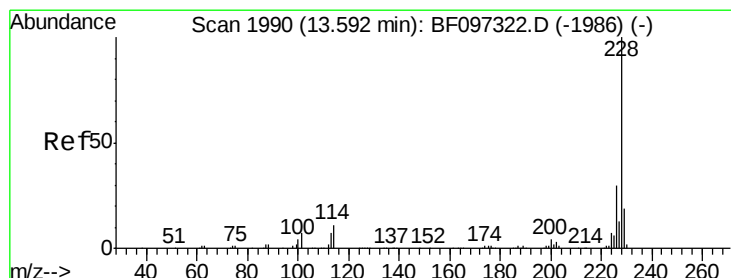
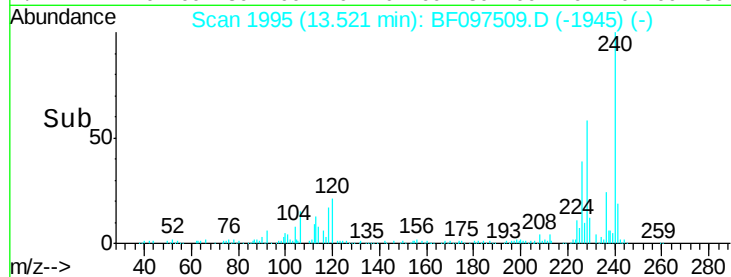
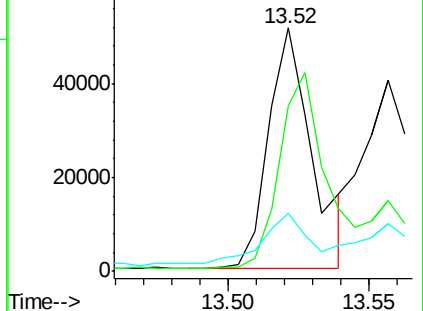
Tgt Ion:	228	Resp:	54874
Ion	Ratio	Lower	Upper
228	100		
226	67.8	22.6	33.8#
229	24.0	16.3	24.5



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: 2.291 ng

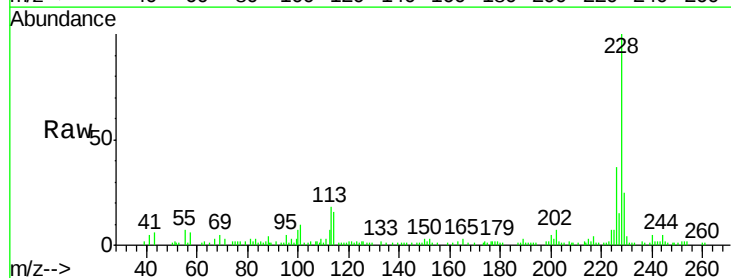
RT: 13.56 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

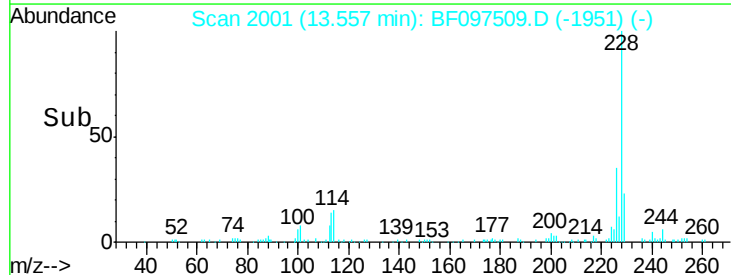
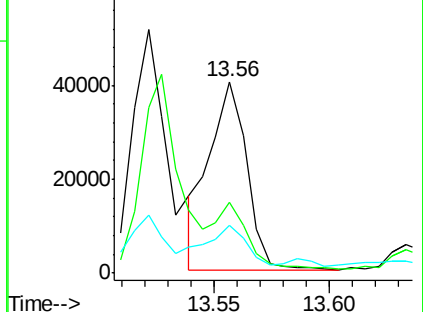
Tgt Ion:	228	Resp:	45649
Ion	Ratio	Lower	Upper
228	100		
226	37.3	24.9	37.3
229	25.1	15.8	23.6#

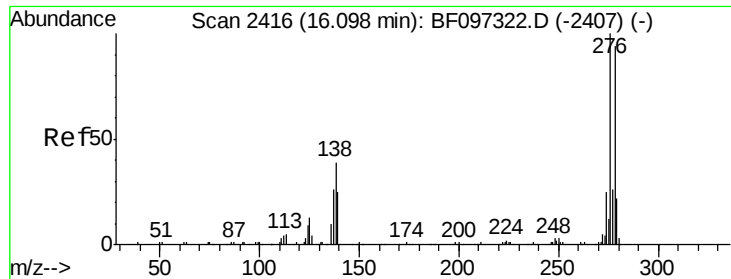


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

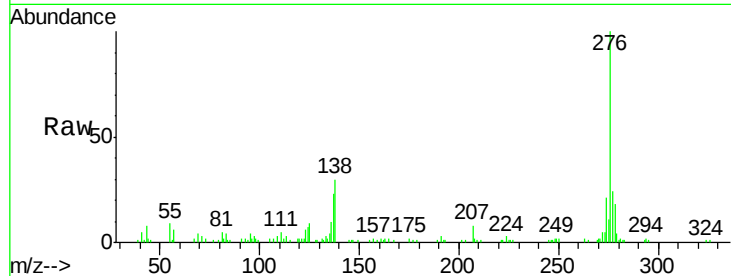




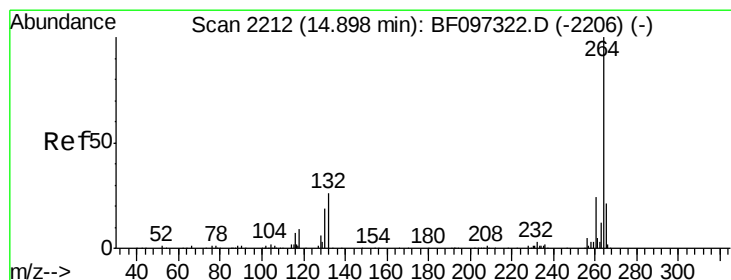
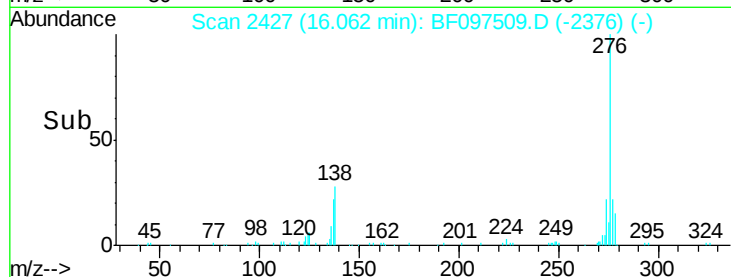
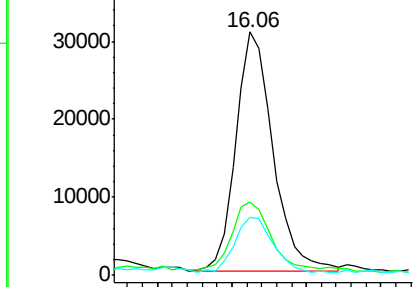
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.108 ng
 RT: 16.06 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BF097509.D
 Acq: 9 Aug 2017 10:50

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSWRE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.5	27.8	41.6
277	23.0	20.2	30.4

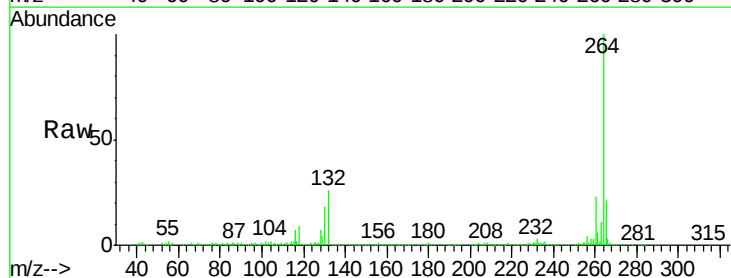


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

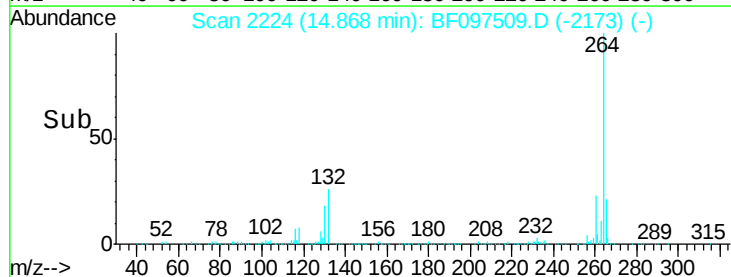
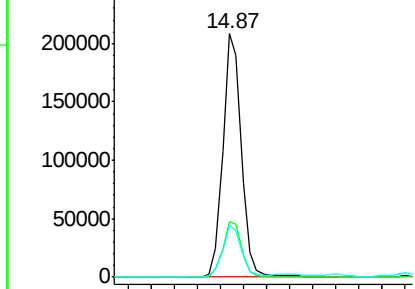


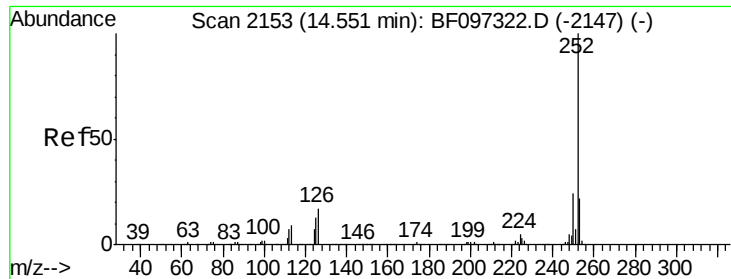
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.87 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BF097509.D
 Acq: 9 Aug 2017 10:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	21.0	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: 6.394 ng

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

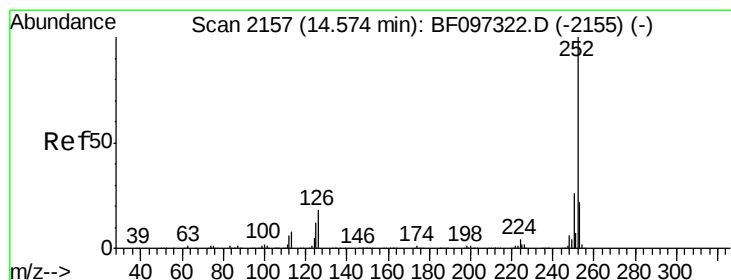
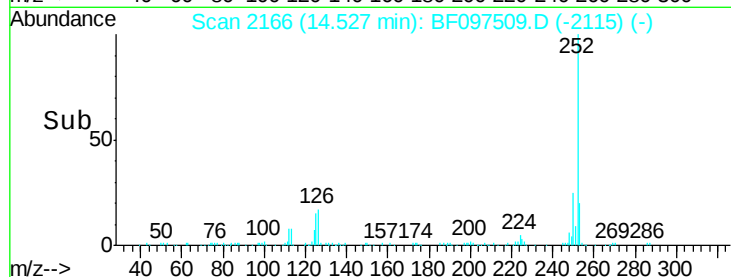
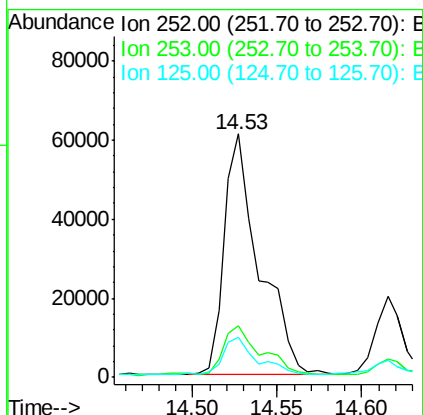
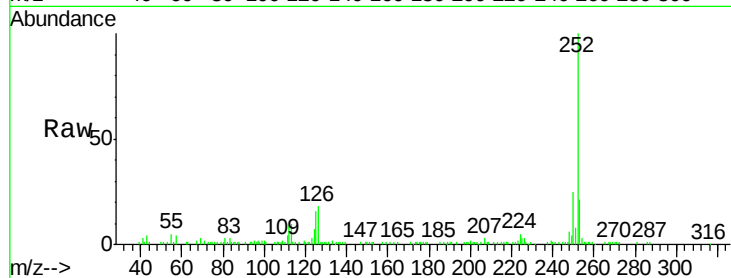
Instrument :

BNA_F

ClientSampleId :

E2-N10-WSWRE

Tgt Ion:	252	Resp:	88920
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.1	27.1
125	16.2	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 6.710 ng

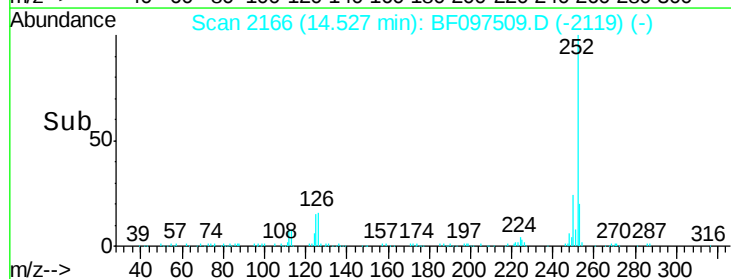
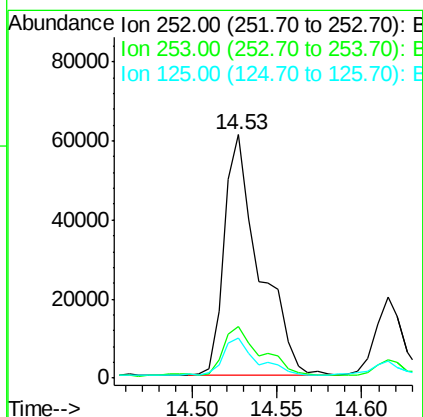
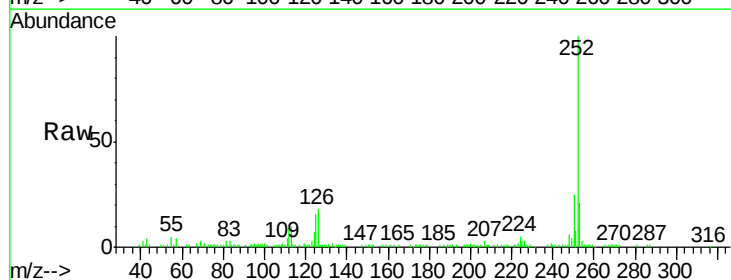
RT: 14.53 min Scan# 2166

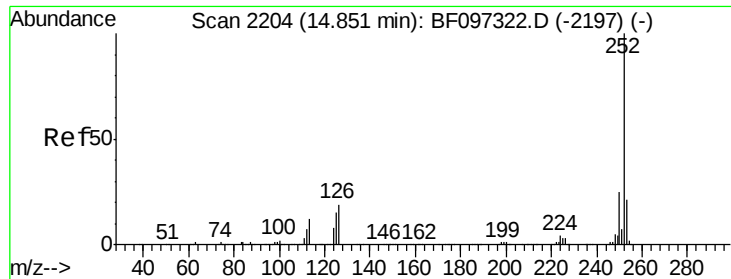
Delta R.T. -0.02 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Tgt Ion:	252	Resp:	88920
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.4	27.6
125	16.2	13.1	19.7





#89

Benzo(a)pyrene

Concen: 4.865 ng

RT: 14.82 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

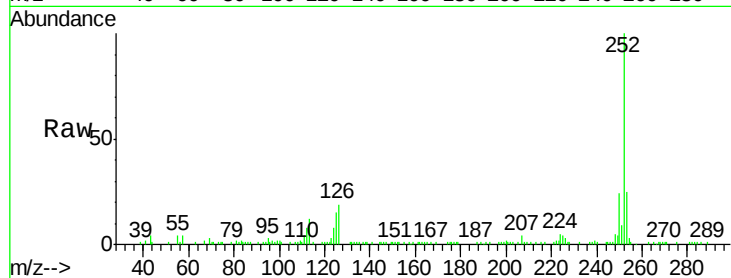
Instrument :

BNA_F

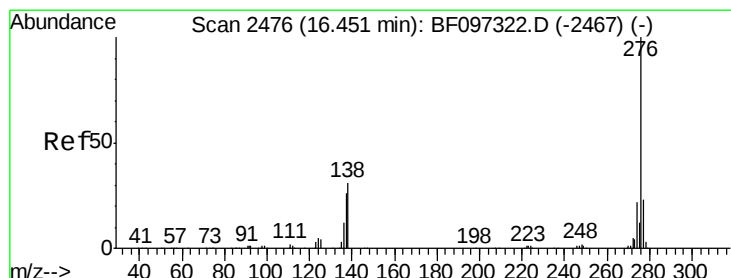
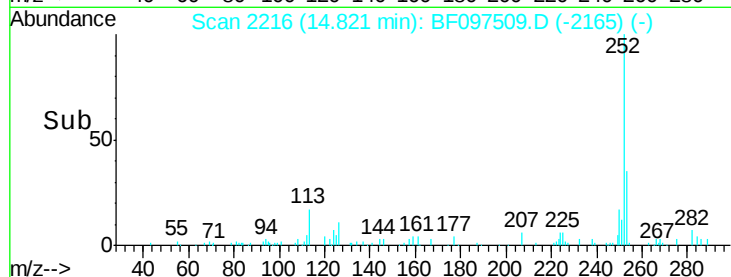
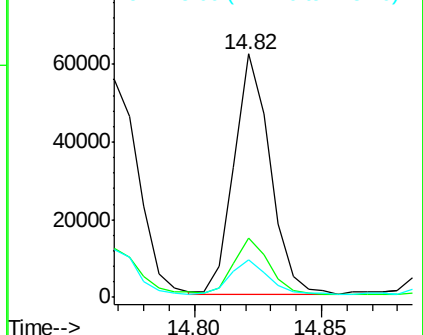
ClientSampleId :

E2-N10-WSWRE

Tgt Ion:	252	Resp:	61910
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	15.2	11.0	16.4



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(g,h,i)perylene

Concen: 9.115 ng

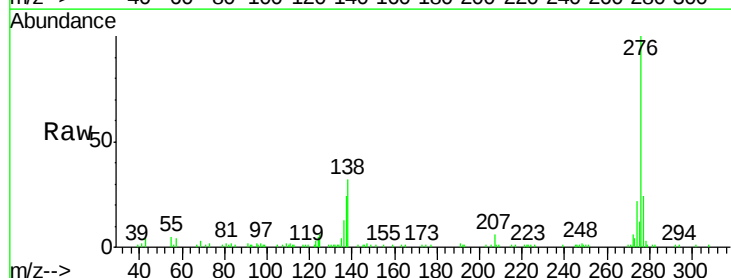
RT: 16.42 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BF097509.D

Acq: 9 Aug 2017 10:50

Tgt Ion:	276	Resp:	99758
Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	31.8	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

