

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089020.D
 Acq On : 15 Jul 2016 16:56
 Operator : UM/SJ
 Sample : H3972-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2ft)

Quant Time: Jul 15 22:58:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

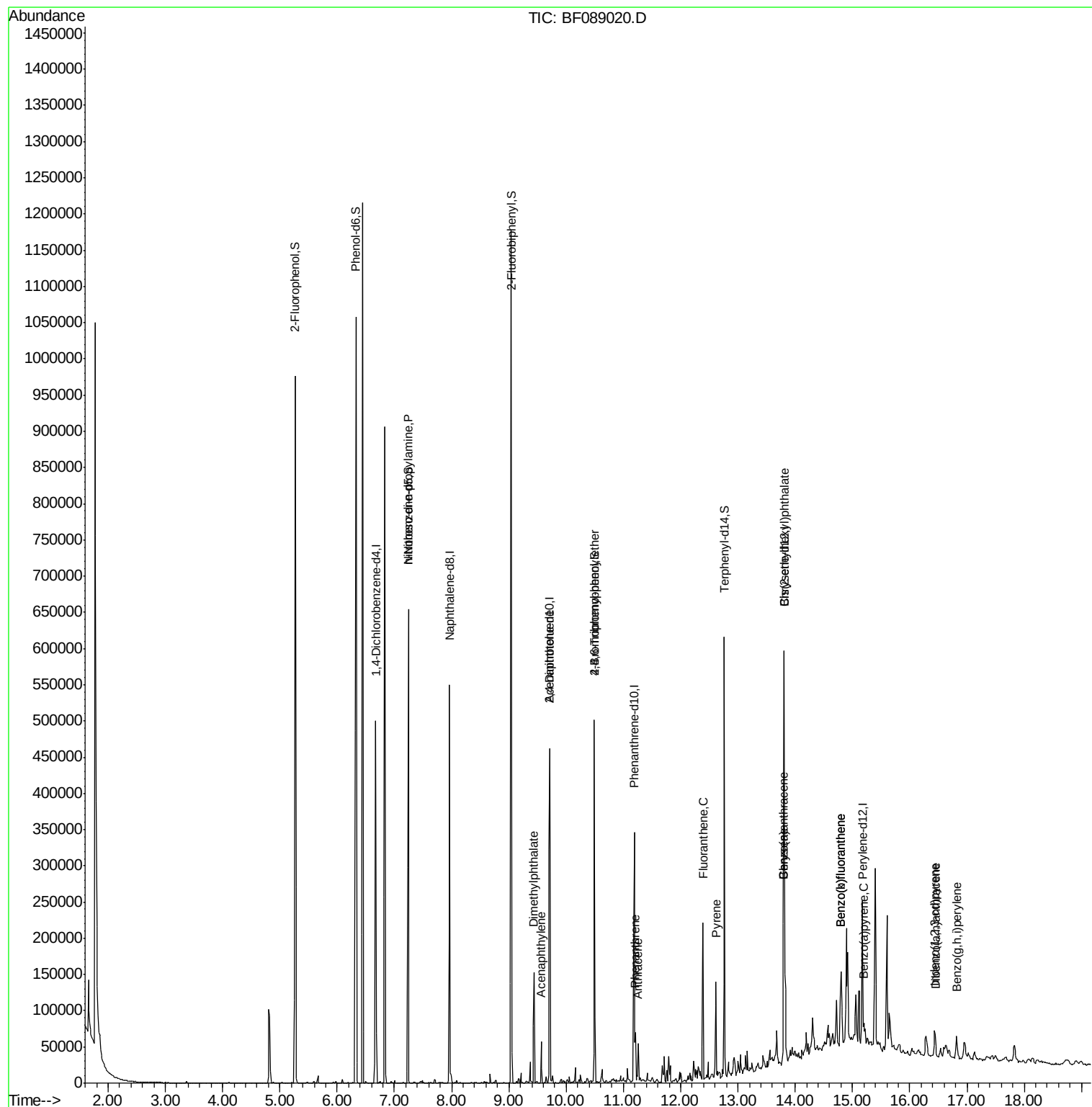
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	64861	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	262328	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	100520	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	150855	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	121141	20.00	ng	-0.05
86) Perylene-d12	15.18	264	93755	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	268169	61.96	ng	-0.02
7) Phenol-d6	6.33	99	392119	70.12	ng	-0.02
23) Nitrobenzene-d5	7.24	82	237784	47.50	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	41186	44.12	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	310908	48.86	ng	-0.03
78) Terphenyl-d14	12.77	244	160005	29.42	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	32190	8.57	ng	# 70
48) Acenaphthylene	9.56	152	24579	2.36	ng	99
49) Dimethylphthalate	9.44	163	68403	9.55	ng	99
56) 2,4-Dinitrotoluene	9.71	165	12783	6.16	ng	# 36
66) 4-Bromophenyl-phenylether	10.49	248	3288	2.16	ng	# 1
70) Phenanthrene	11.21	178	35012	4.25	ng	98
71) Anthracene	11.26	178	18096	2.21	ng	96
74) Fluoranthene	12.39	202	62830	7.52	ng	96
77) Pyrene	12.62	202	68487	6.67	ng	98
80) Benzo(a)anthracene	13.79	228	43082	5.52	ng	# 83
82) Chrysene	13.79	228	43082	5.58	ng	# 88
83) Bis(2-ethylhexyl)phthalate	13.81	149	35088	6.71	ng	97
85) Indeno(1,2,3-cd)pyrene	16.43	276	23100	3.89	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	60677	10.32	ng	# 96
88) Benzo(k)fluoranthene	14.80	252	60677	11.85	ng	99
89) Benzo(a)pyrene	15.20	252	12096	2.43	ng	97
90) Dibenzo(a,h)anthracene	16.45	278	8852	2.13	ng	# 84
91) Benzo(g,h,i)perylene	16.82	276	23799	5.53	ng	98

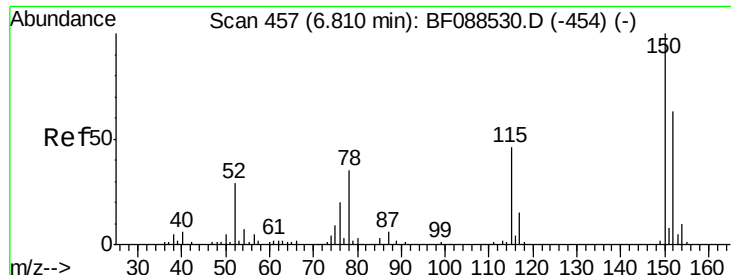
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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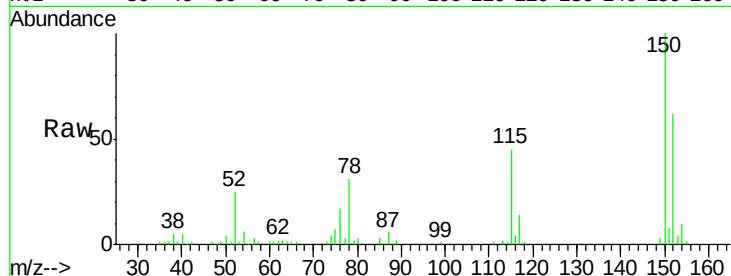




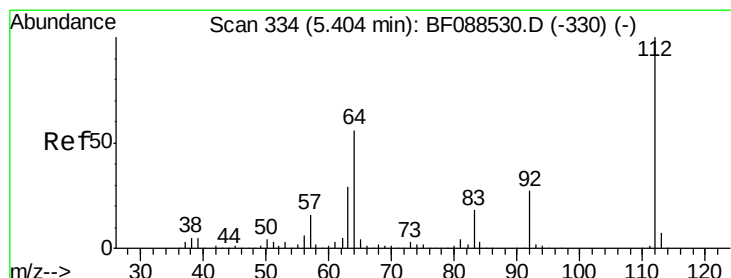
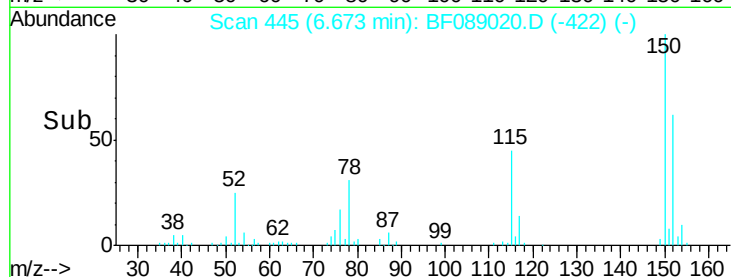
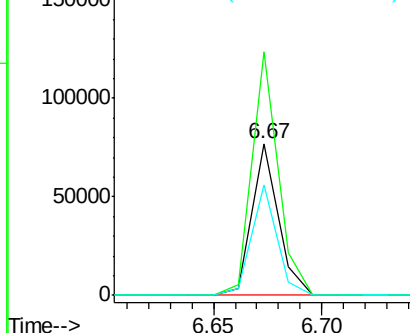
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 445
 Delta R.T. -0.03 min
 Lab File: BF089020.D
 Acq: 15 Jul 2016 16:56

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2ft)

Tgt Ion:152 Resp: 64861
 Ion Ratio Lower Upper
 152 100
 150 160.6 123.8 185.6
 115 72.8 39.6 59.4#

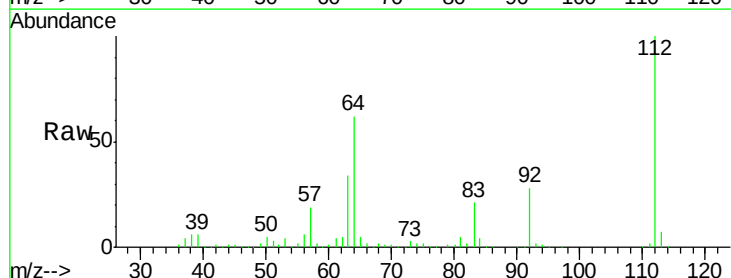


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

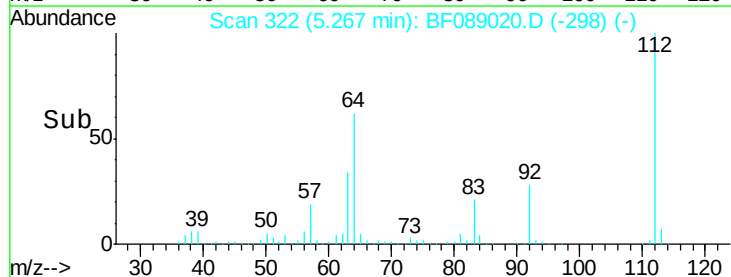
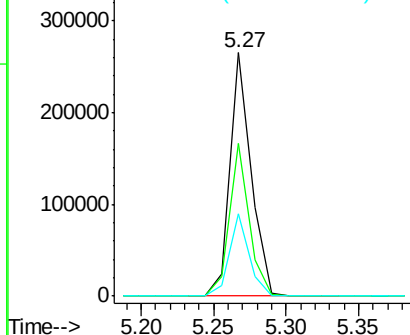


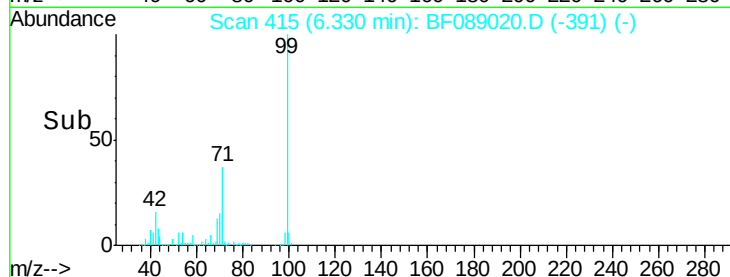
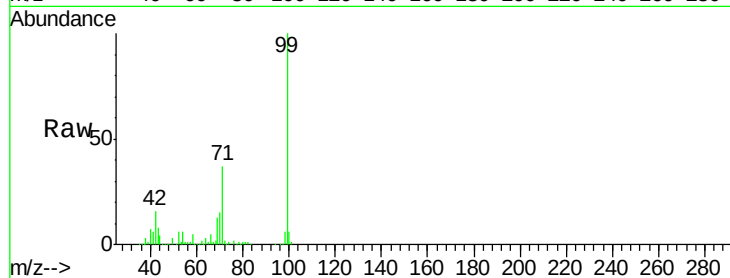
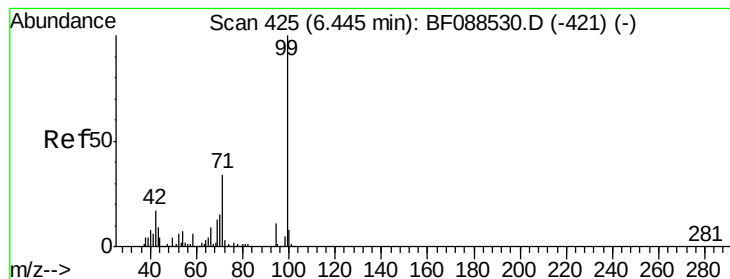
#5
 2-Fluorophenol
 Concen: 61.96 ng
 RT: 5.27 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: BF089020.D
 Acq: 15 Jul 2016 16:56

Tgt Ion:112 Resp: 268169
 Ion Ratio Lower Upper
 112 100
 64 62.5 42.2 63.2
 63 33.8 21.8 32.8#



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: 70.12 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089020.D

Acq: 15 Jul 2016 16:56

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2ft)

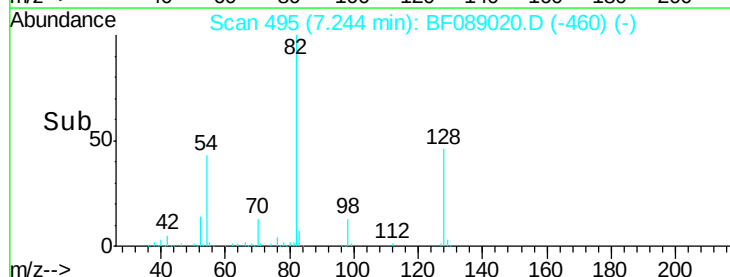
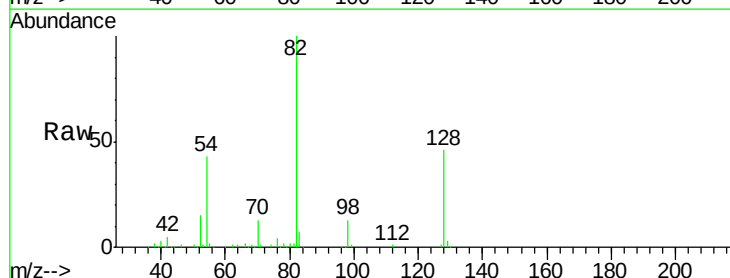
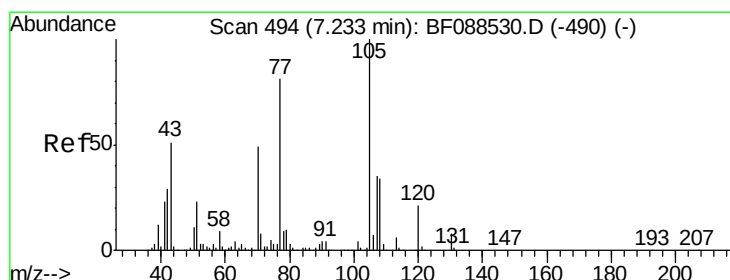
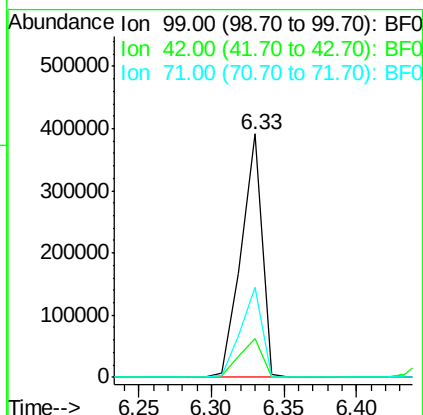
Tgt Ion: 99 Resp: 392119

Ion Ratio Lower Upper

99 100

42 16.2 12.2 18.2

71 36.7 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 8.57 ng

RT: 7.24 min Scan# 495

Delta R.T. 0.10 min

Lab File: BF089020.D

Acq: 15 Jul 2016 16:56

Tgt Ion: 70 Resp: 32190

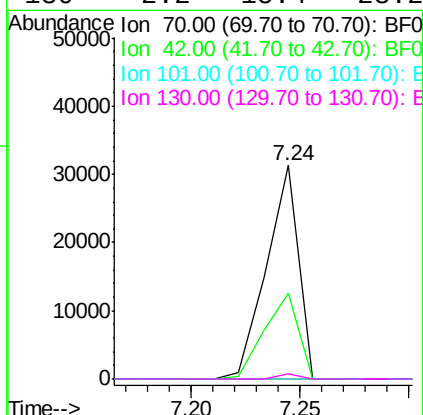
Ion Ratio Lower Upper

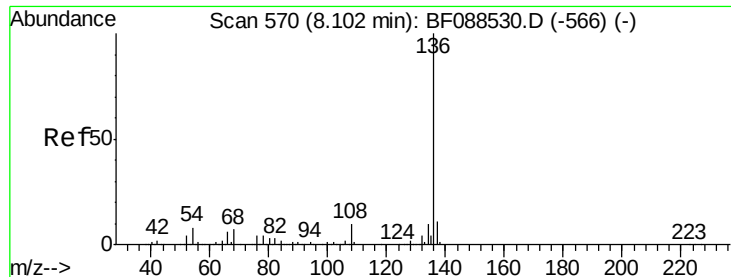
70 100

42 39.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#

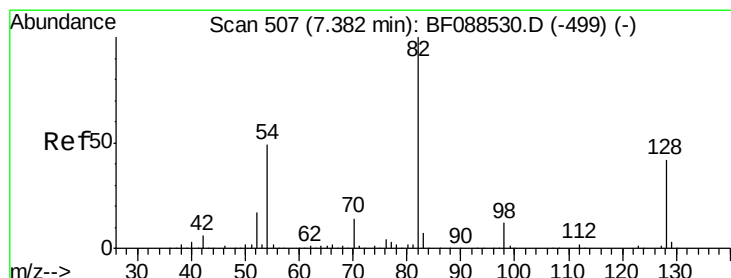
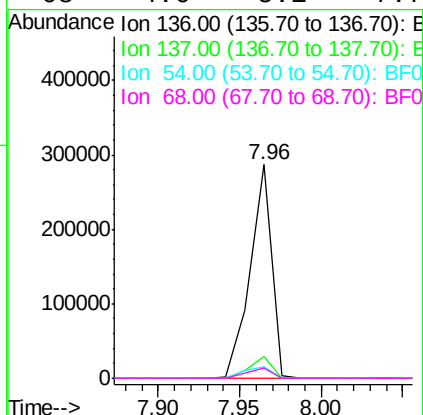
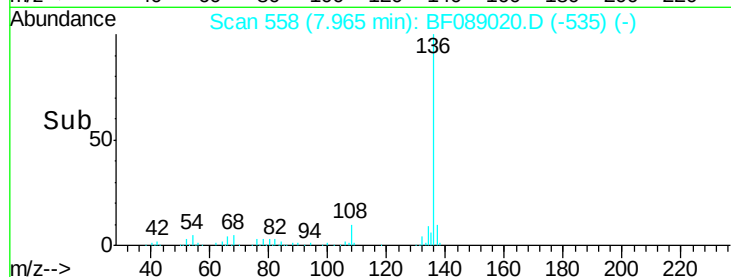
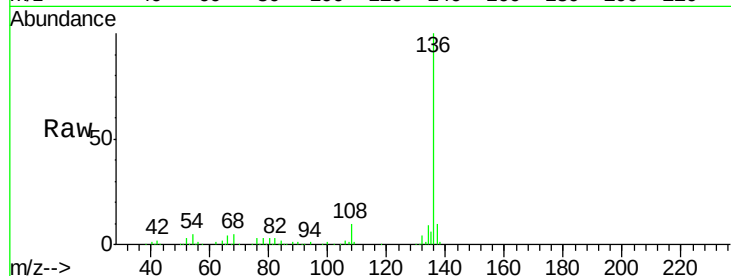




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.03 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

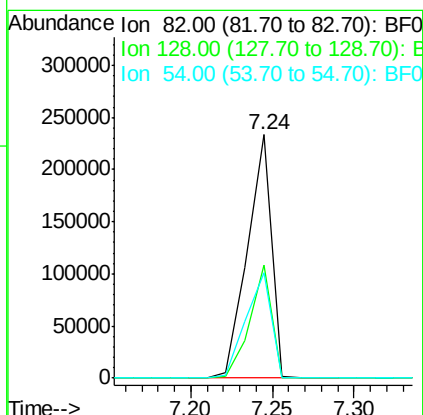
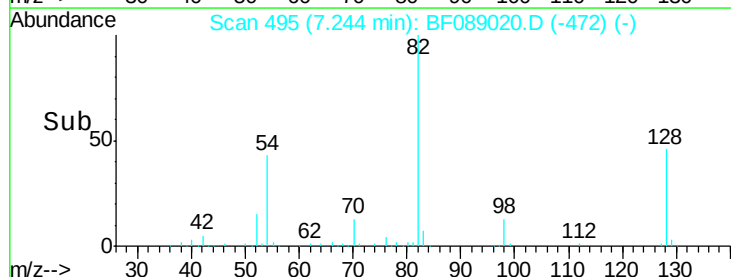
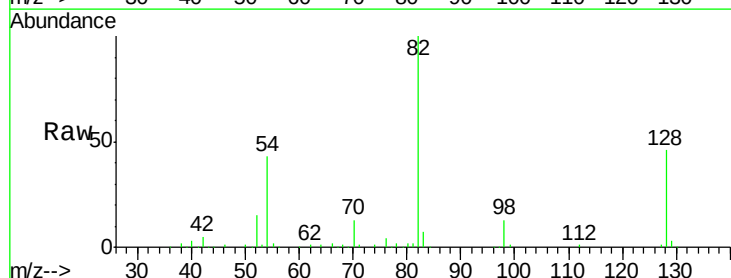
Instrument :
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ClientSampleId :
LSS-SB-SB08(0-2ft)

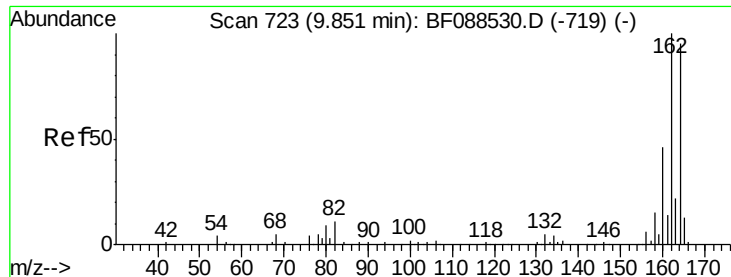
Tgt Ion:	136	Resp:	262328
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	5.3	6.6	10.0#
68	4.6	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 47.50 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.03 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

Tgt Ion:	82	Resp:	237784
Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.9	53.9
54	43.5	40.9	61.3

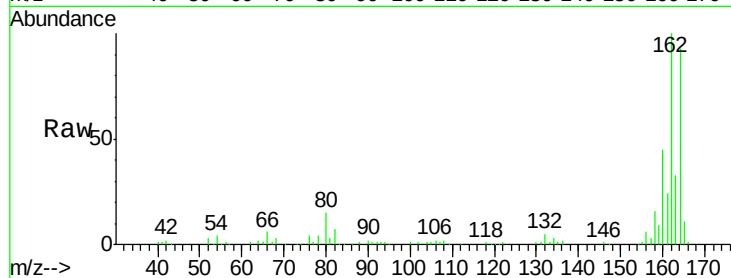




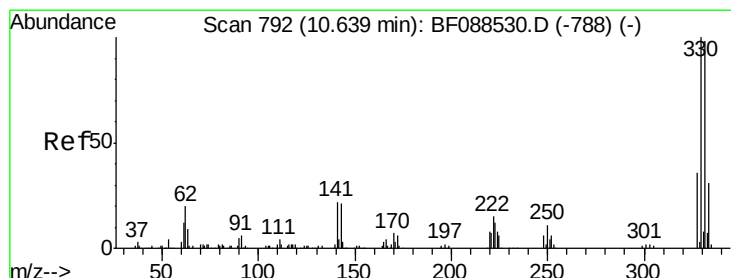
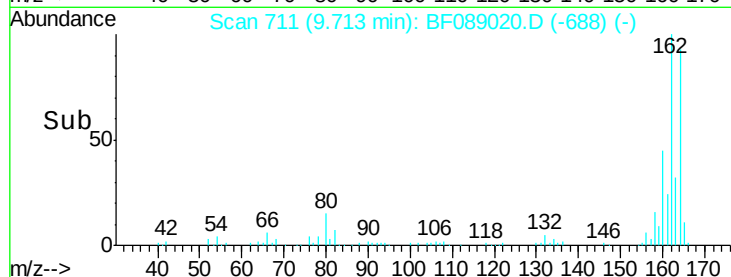
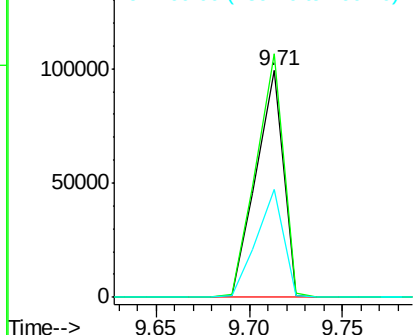
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089020.D
 Acq: 15 Jul 2016 16:56

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2ft)

Tgt Ion:164 Resp: 100520
 Ion Ratio Lower Upper
 164 100
 162 107.5 85.4 128.2
 160 47.9 39.5 59.3

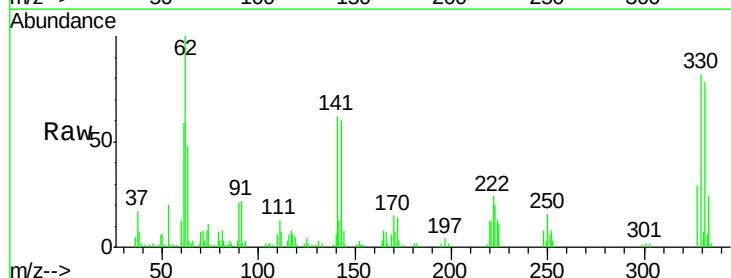


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

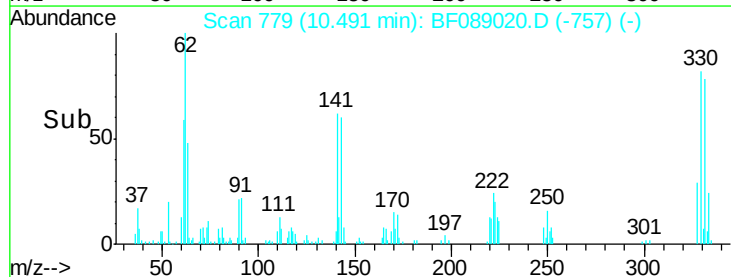
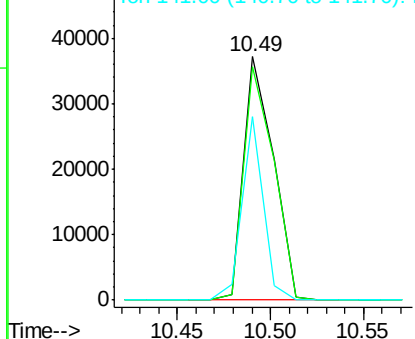


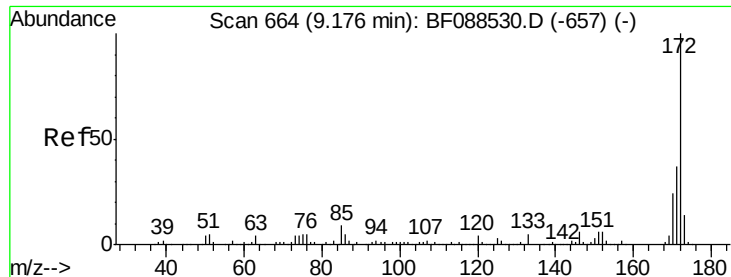
#41
 2,4,6-Tribromophenol
 Concen: 44.12 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089020.D
 Acq: 15 Jul 2016 16:56

Tgt Ion:330 Resp: 41186
 Ion Ratio Lower Upper
 330 100
 332 97.0 0.0 0.0#
 141 54.2 0.0 0.0#



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

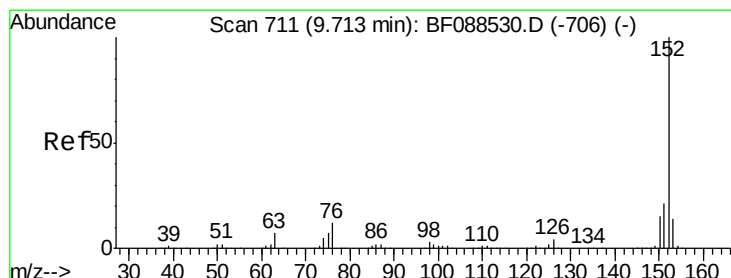
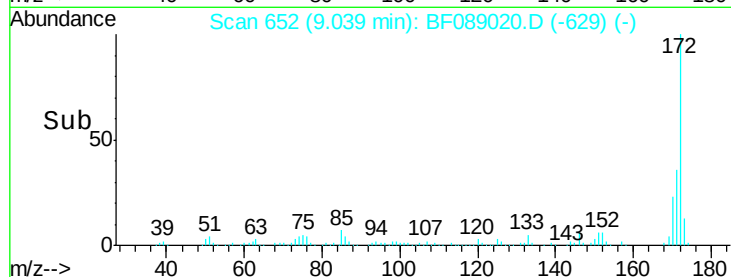
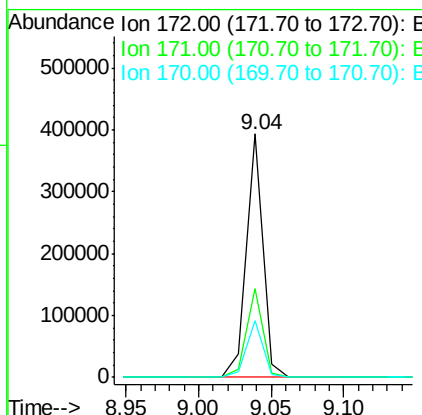
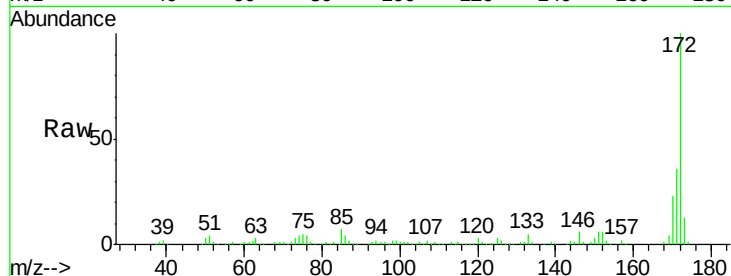




#44
 2-Fluorobiphenyl
 Concen: 48.86 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089020.D
 Acq: 15 Jul 2016 16:56

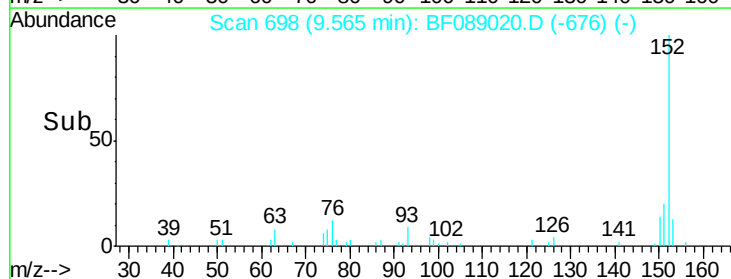
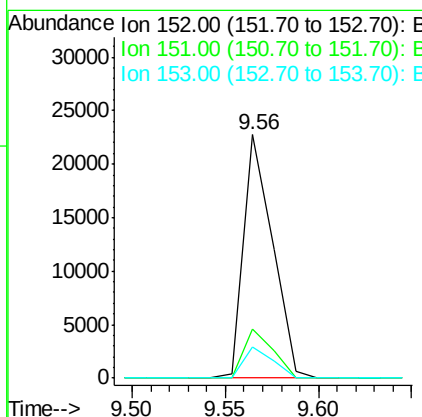
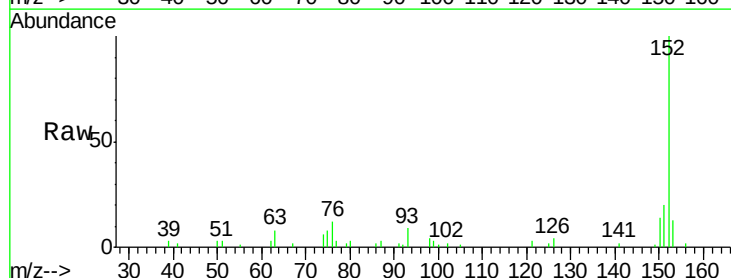
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2ft)

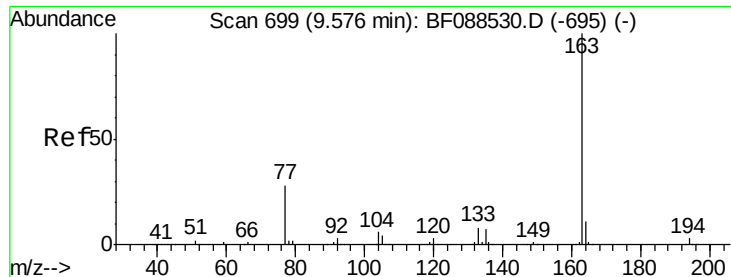
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	23.3	19.2	28.8



#48
 Acenaphthylene
 Concen: 2.36 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.05 min
 Lab File: BF089020.D
 Acq: 15 Jul 2016 16:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	12.8	11.0	16.6

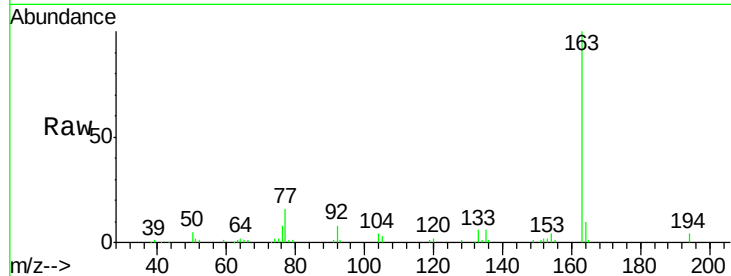




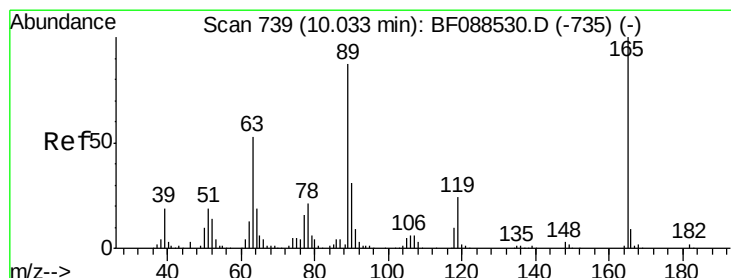
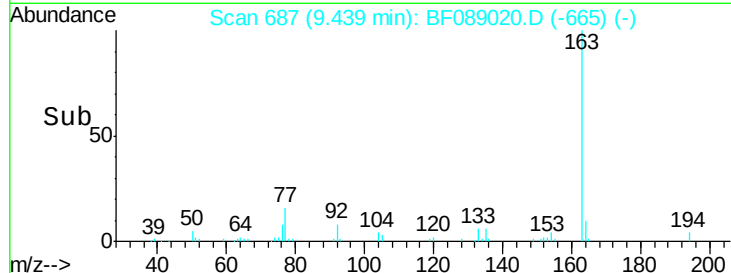
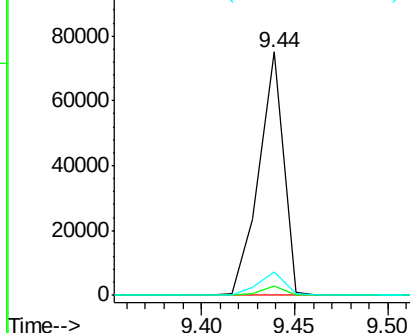
#49
Dimethylphthalate
Concen: 9.55 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2ft)

Tgt Ion:163 Resp: 68403
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 9.9 8.3 12.5

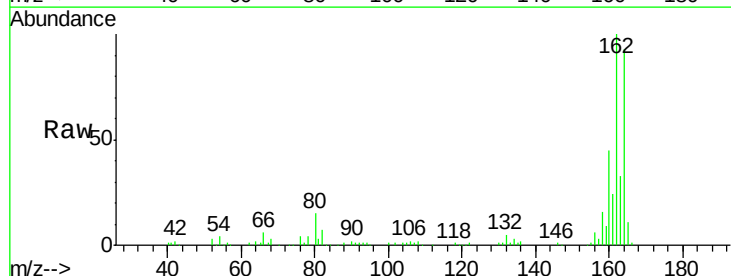


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

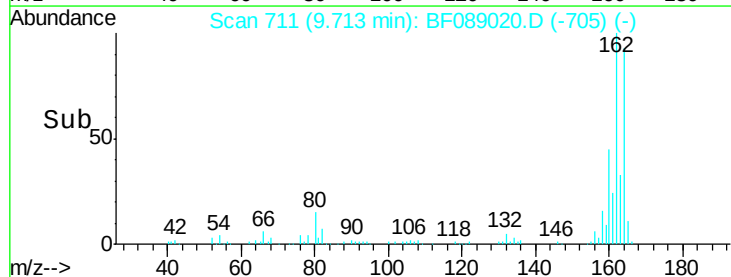
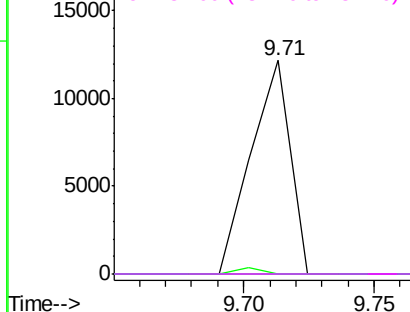


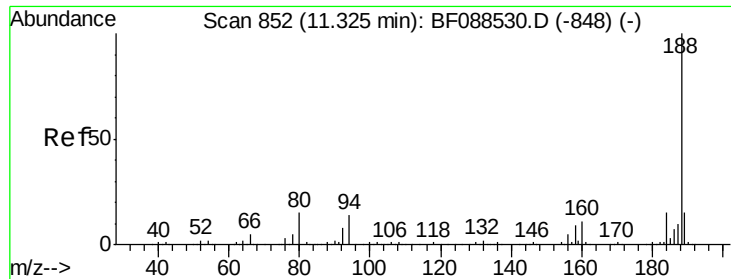
#56
2,4-Dinitrotoluene
Concen: 6.16 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.23 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

Tgt Ion:165 Resp: 12783
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#



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
Ion 182.00 (181.70 to 182.70): E

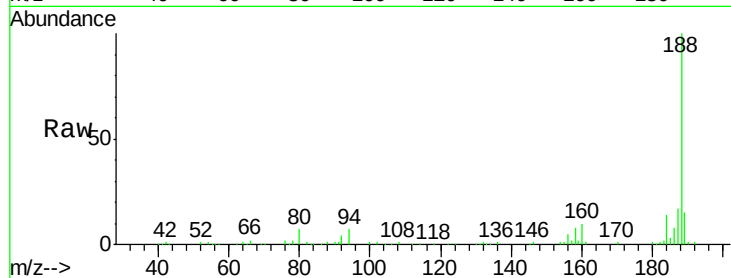




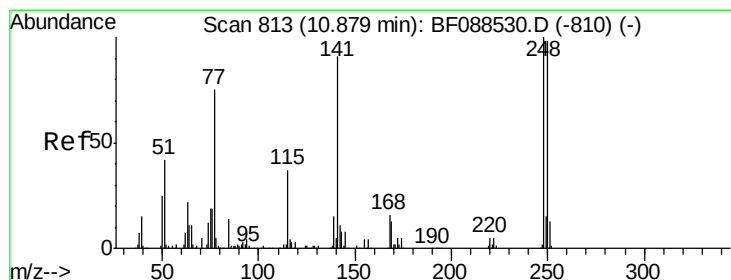
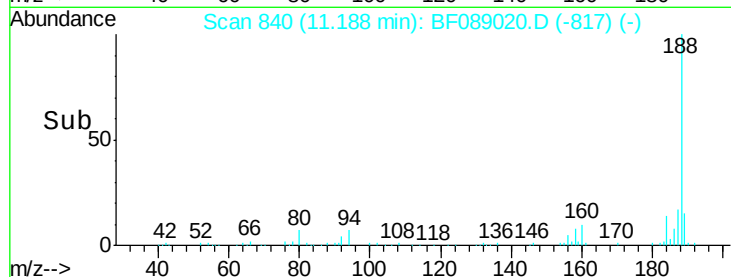
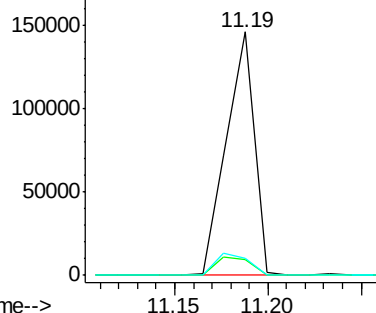
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2ft)

Tgt Ion:188 Resp: 150855
Ion Ratio Lower Upper
188 100
94 6.6 9.0 13.6#
80 7.1 10.0 15.0#

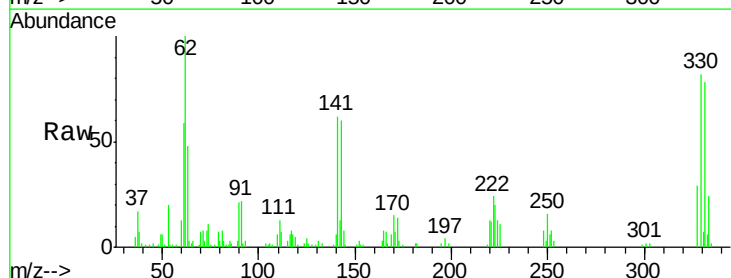


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

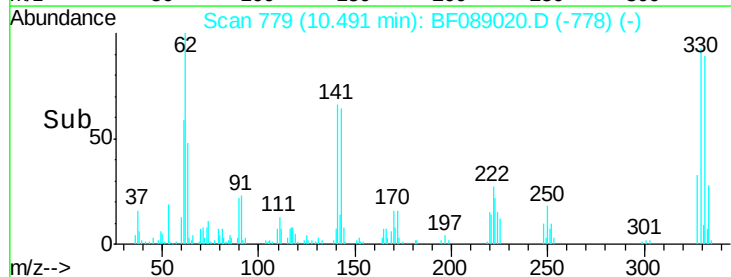
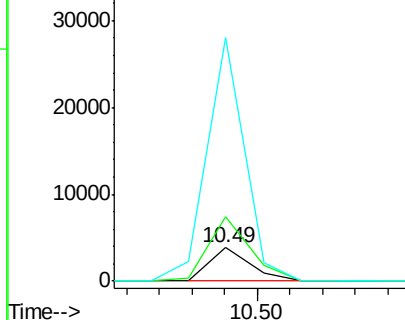


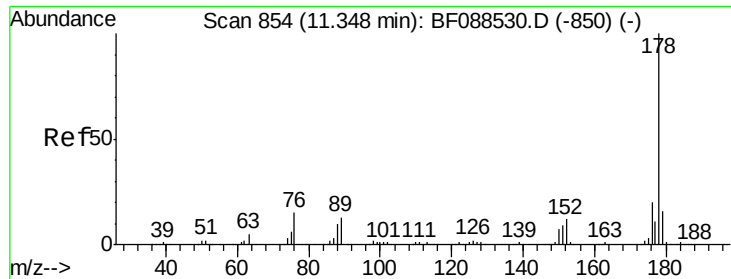
#66
4-Bromophenyl-phenylether
Concen: 2.16 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.29 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

Tgt Ion:248 Resp: 3288
Ion Ratio Lower Upper
248 100
250 191.3 77.1 115.7#
141 729.1 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

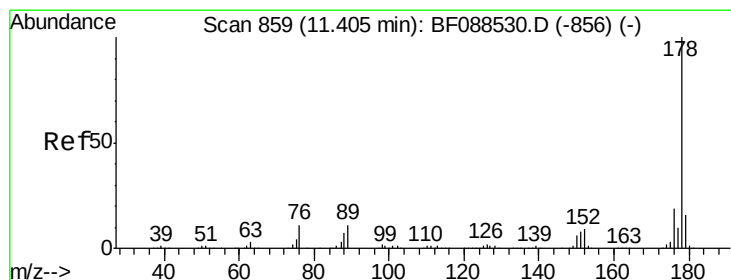
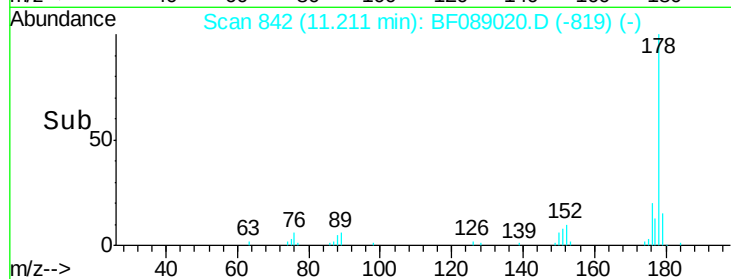
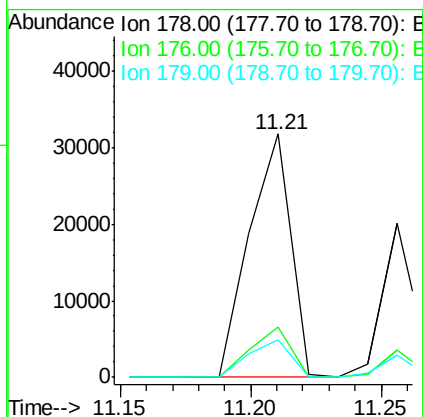
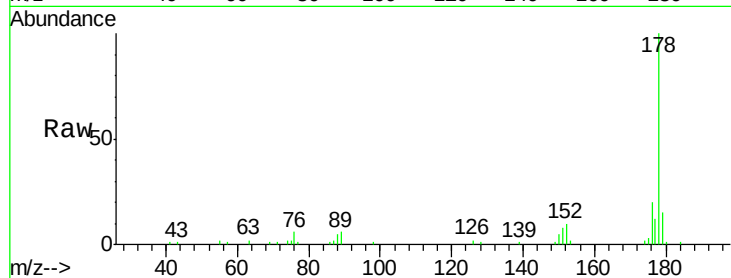




#70
Phenanthrene
Concen: 4.25 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

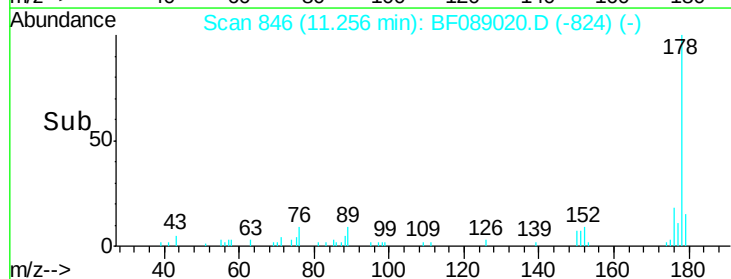
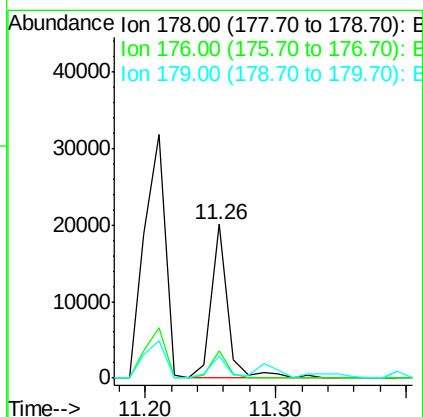
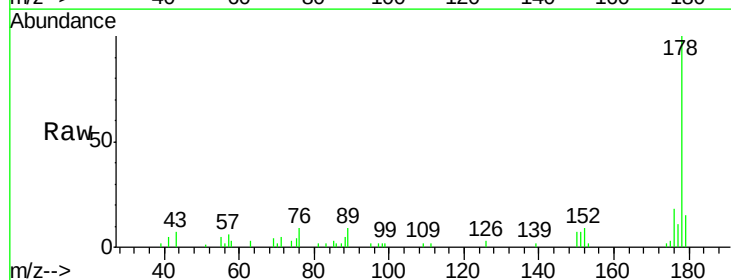
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2ft)

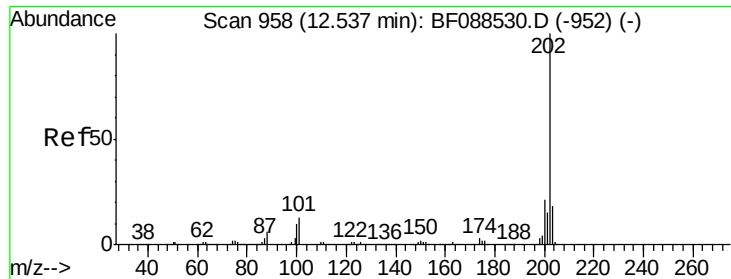
Tgt Ion:178 Resp: 35012
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.6
179 15.2 13.0 19.4



#71
Anthracene
Concen: 2.21 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.05 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

Tgt Ion:178 Resp: 18096
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 14.5 12.8 19.2





#74

Fluoranthene

Concen: 7.52 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF089020.D

Acq: 15 Jul 2016 16:56

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2ft)

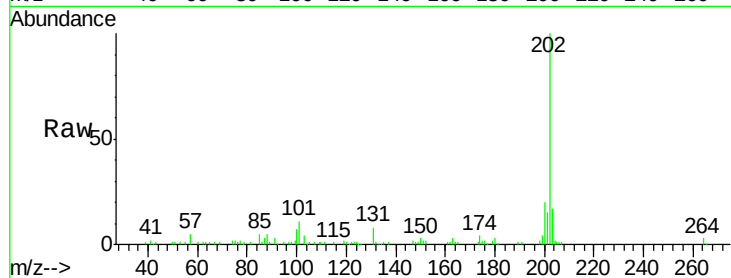
Tgt Ion:202 Resp: 62830

Ion Ratio Lower Upper

202 100

101 10.8 0.0 33.1

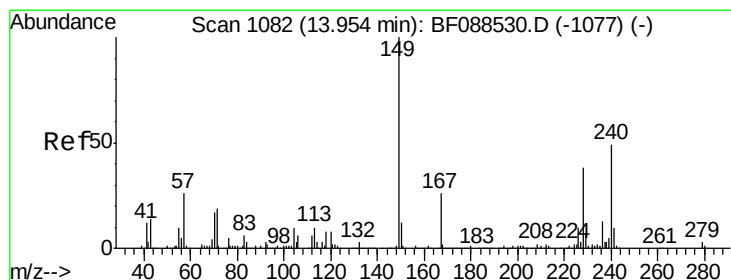
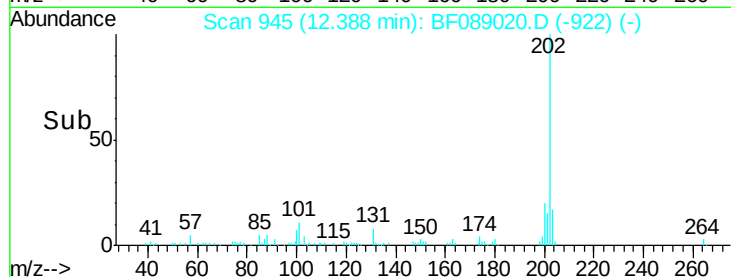
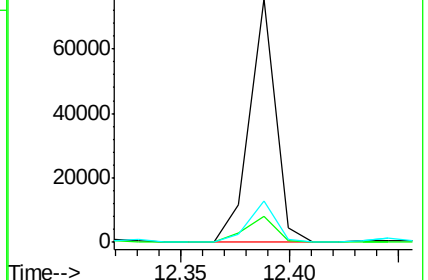
203 17.1 0.0 38.1



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: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089020.D

Acq: 15 Jul 2016 16:56

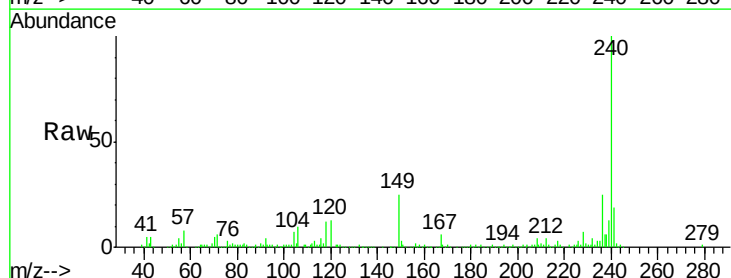
Tgt Ion:240 Resp: 121141

Ion Ratio Lower Upper

240 100

120 13.1 6.8 10.2#

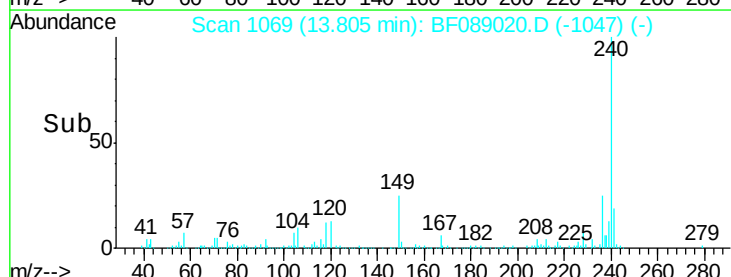
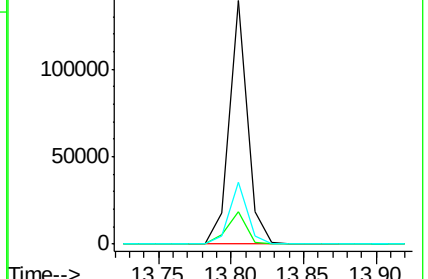
236 25.3 20.2 30.2

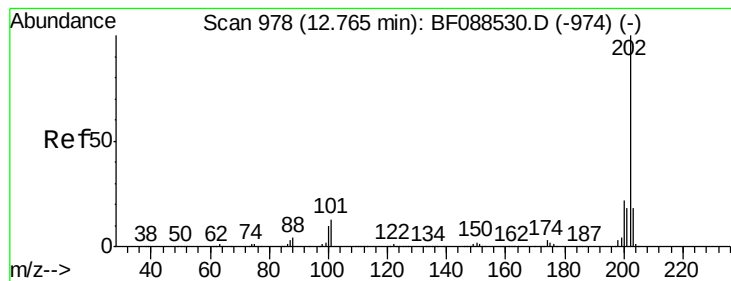


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.67 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089020.D

Acq: 15 Jul 2016 16:56

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2ft)

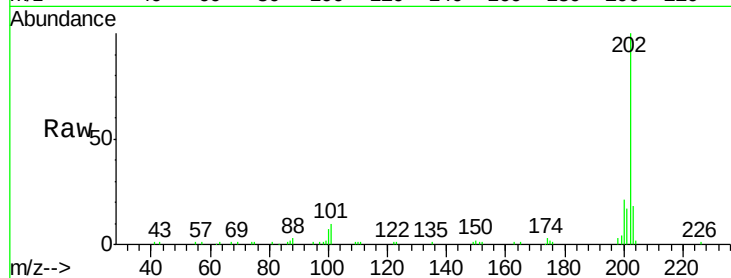
Tgt Ion:202 Resp: 68487

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

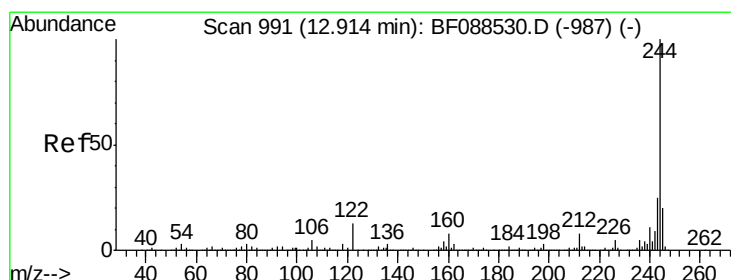
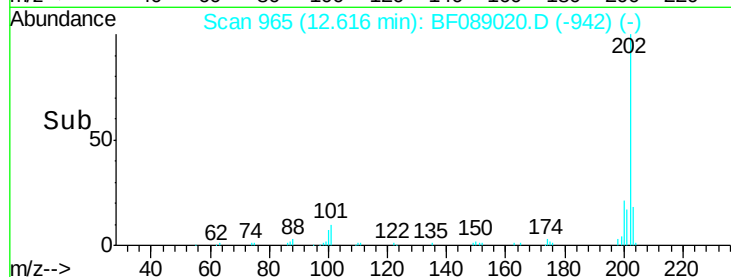
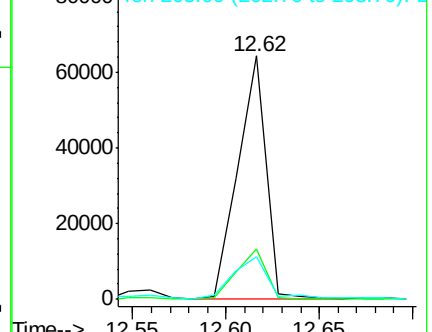
203 17.5 14.5 21.7



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: 29.42 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF089020.D

Acq: 15 Jul 2016 16:56

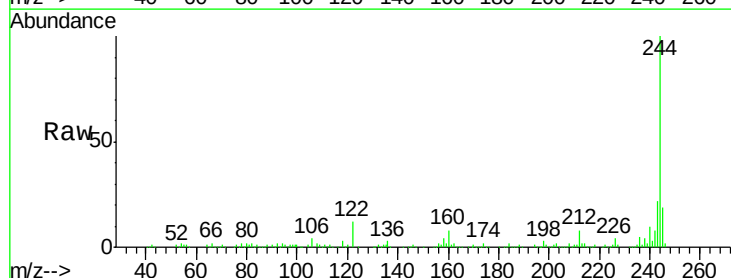
Tgt Ion:244 Resp: 160005

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

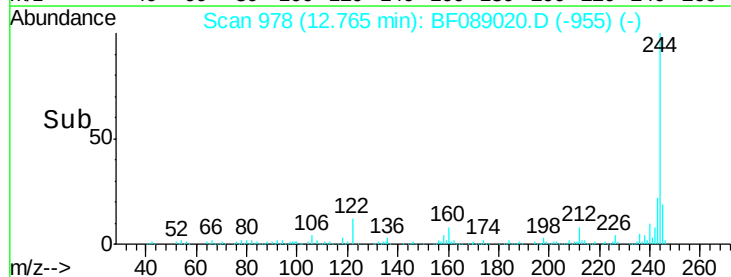
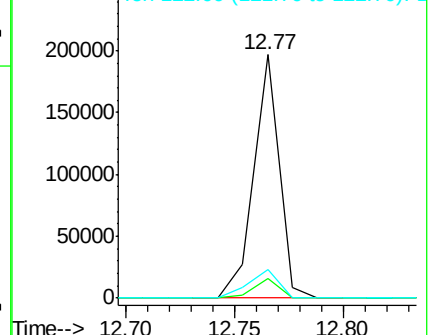
122 11.5 11.2 16.8

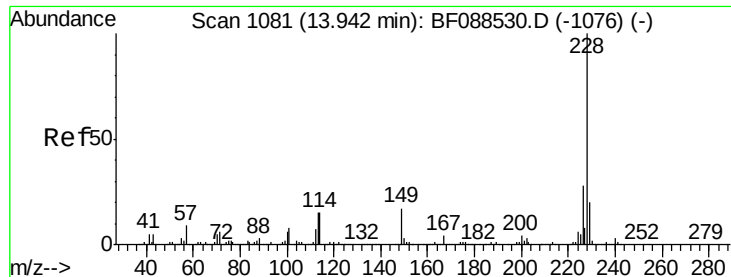


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.52 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089020.D

Acq: 15 Jul 2016 16:56

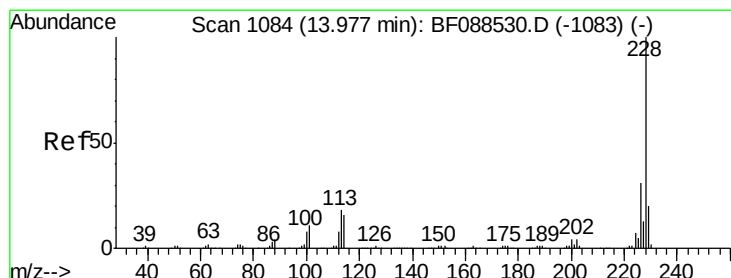
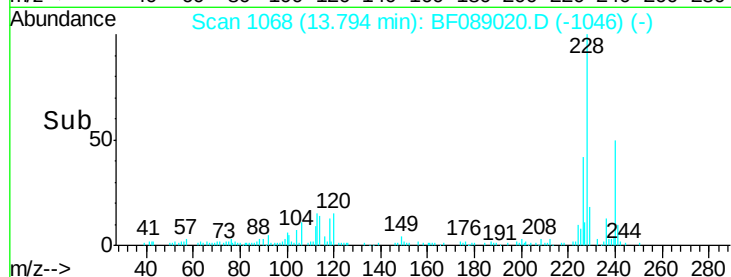
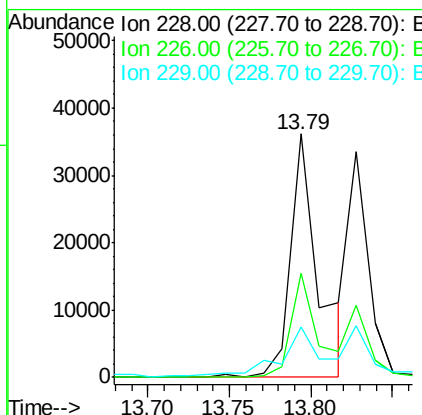
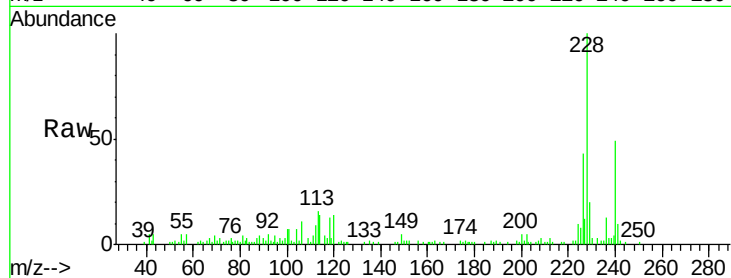
Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB08(0-2ft)

Tgt Ion:	228	Resp:	43082
Ion Ratio		Lower	Upper
228	100		
226	43.0	22.3	33.5#
229	20.4	16.0	24.0



#82

Chrysene

Concen: 5.58 ng

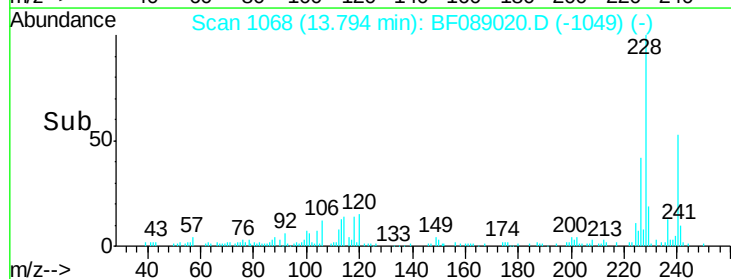
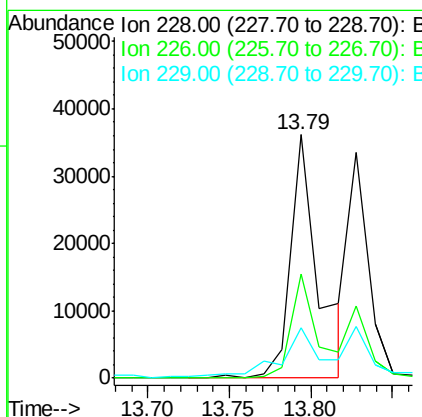
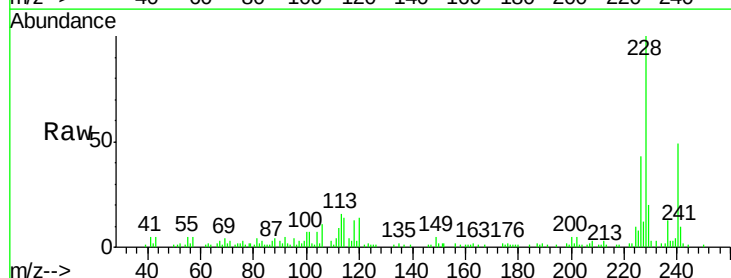
RT: 13.79 min Scan# 1068

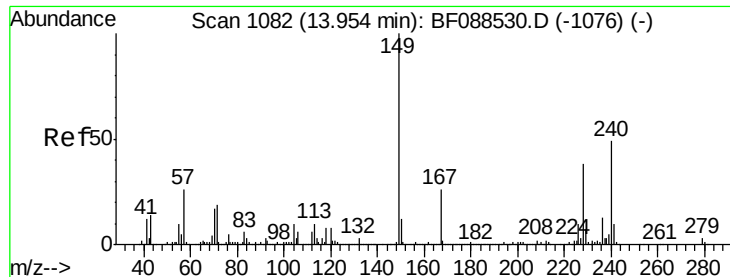
Delta R.T. -0.08 min

Lab File: BF089020.D

Acq: 15 Jul 2016 16:56

Tgt Ion:	228	Resp:	43082
Ion Ratio		Lower	Upper
228	100		
226	43.0	25.4	38.2#
229	20.4	16.3	24.5

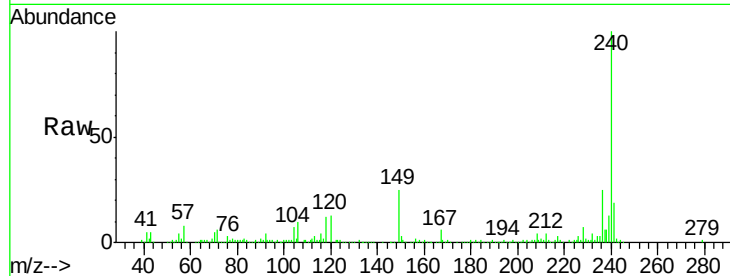




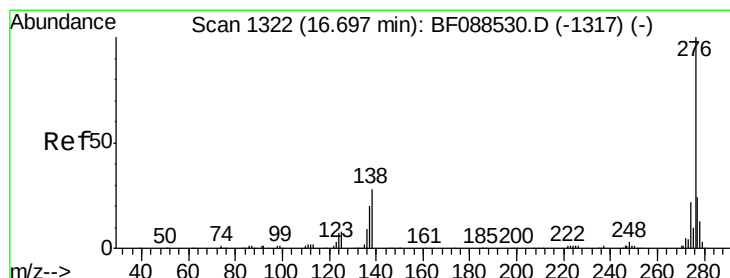
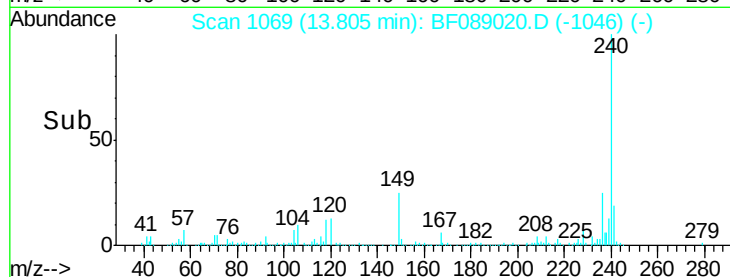
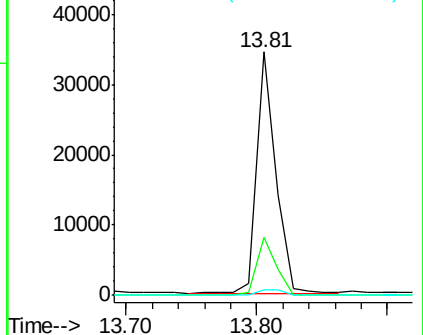
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.71 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BF089020.D
 Acq: 15 Jul 2016 16:56

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB08(0-2ft)

Tgt Ion:149 Resp: 35088
 Ion Ratio Lower Upper
 149 100
 167 23.9 20.5 30.7
 279 2.0 2.0 3.0

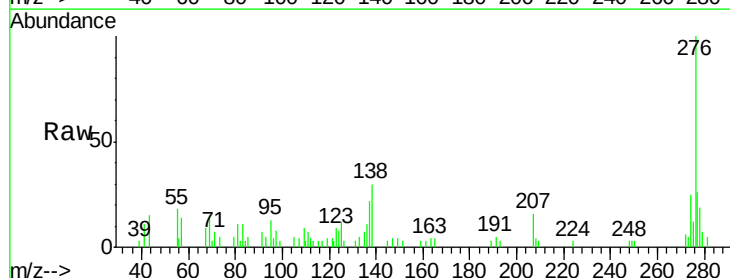


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

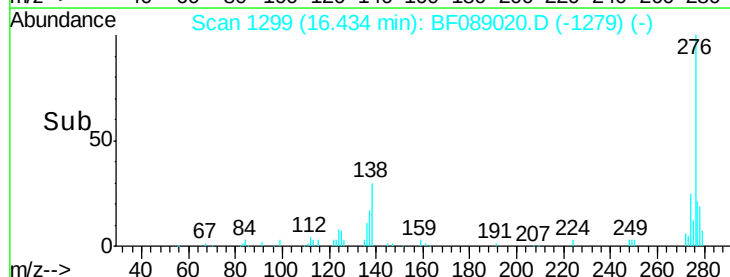
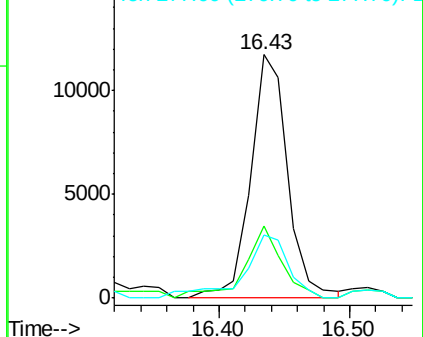


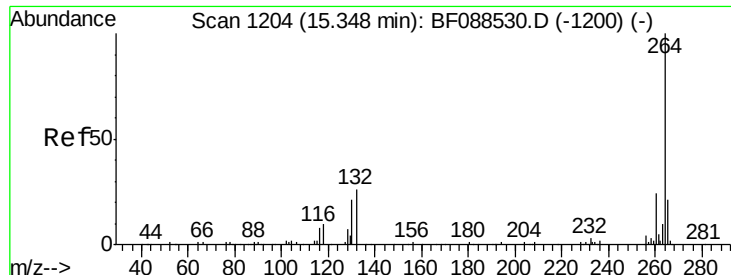
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.89 ng
 RT: 16.43 min Scan# 1299
 Delta R.T. -0.07 min
 Lab File: BF089020.D
 Acq: 15 Jul 2016 16:56

Tgt Ion:276 Resp: 23100
 Ion Ratio Lower Upper
 276 100
 138 29.7 0.0 0.0#
 277 31.6 0.0 0.0#



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

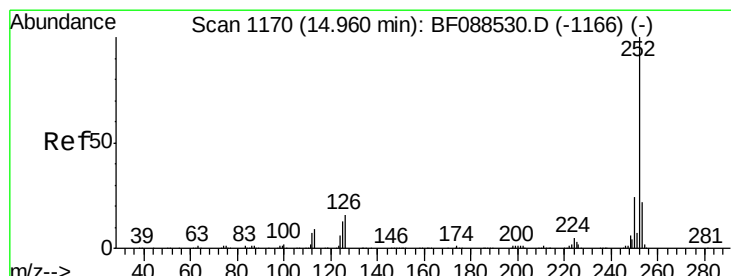
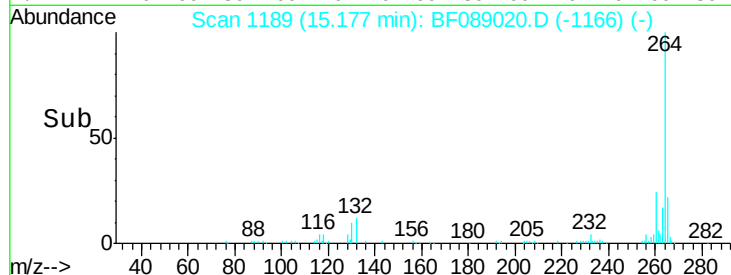
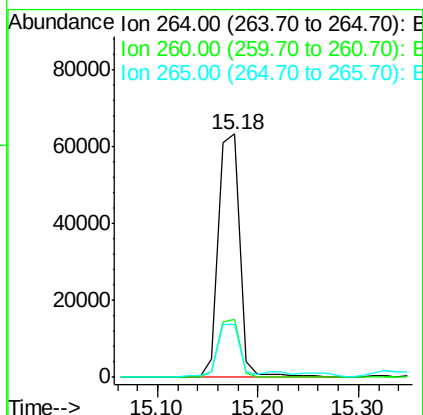
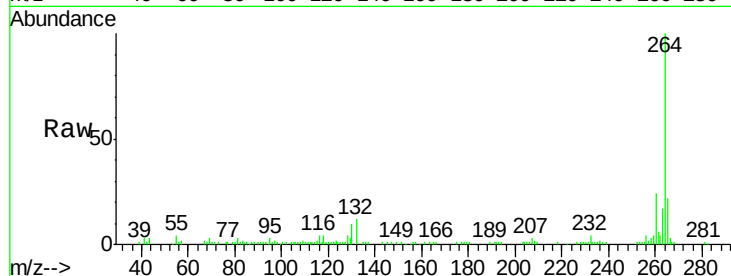




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

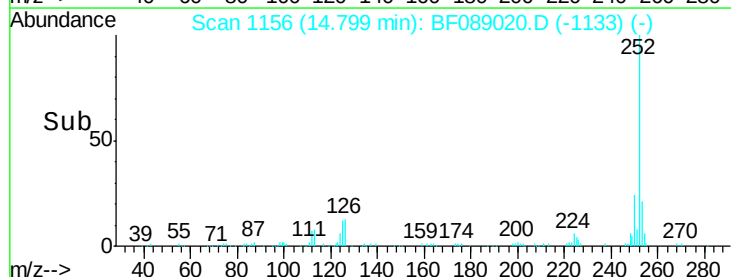
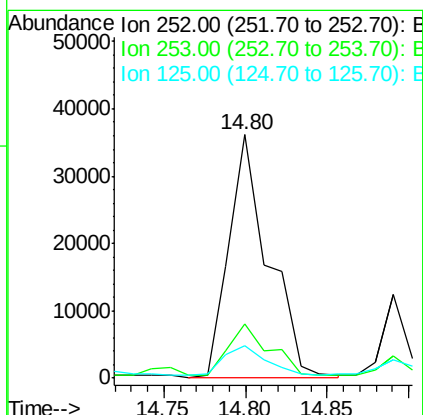
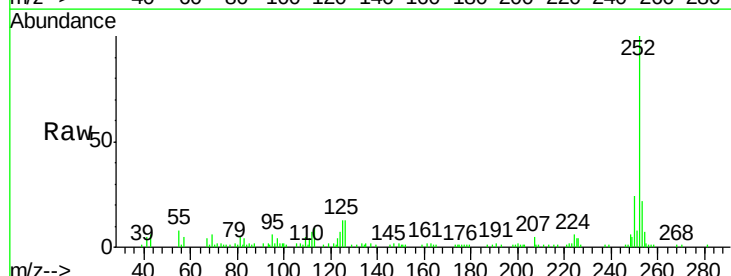
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2ft)

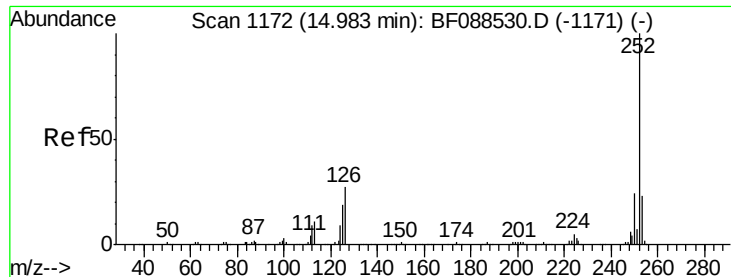
Tgt Ion: 264 Resp: 93755
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.5 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 10.32 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

Tgt Ion: 252 Resp: 60677
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 13.3 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 11.85 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089020.D

Acq: 15 Jul 2016 16:56

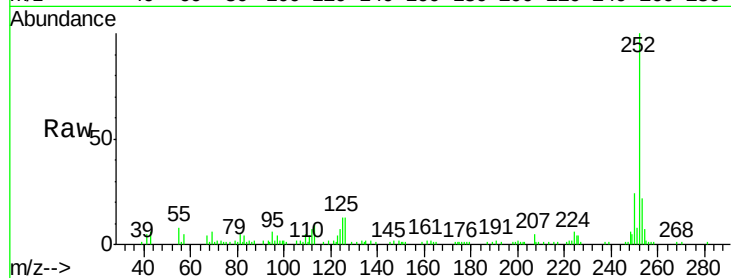
Instrument :

BNA_F

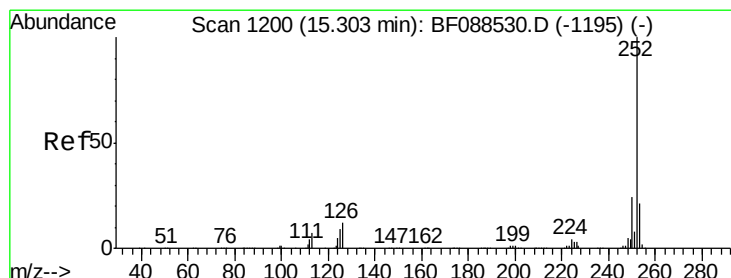
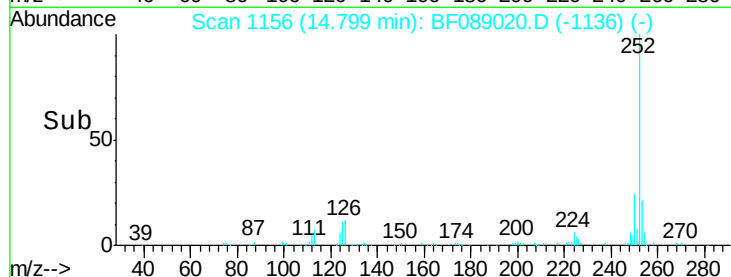
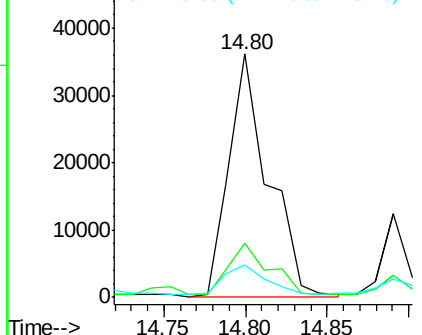
ClientSampleId :

LSS-SB-SB08(0-2ft)

Tgt Ion:	252	Resp:	60677
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	13.3	11.2	16.8



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



#89

Benzo(a)pyrene

Concen: 2.43 ng

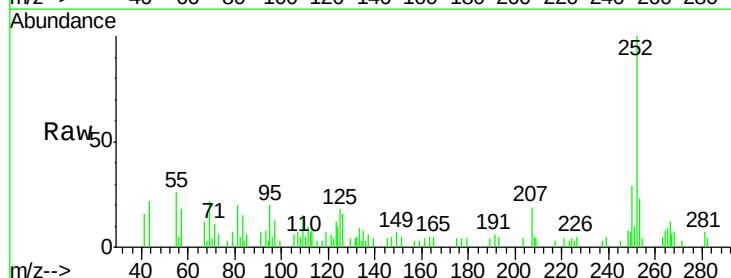
RT: 15.20 min Scan# 1191

Delta R.T. 0.03 min

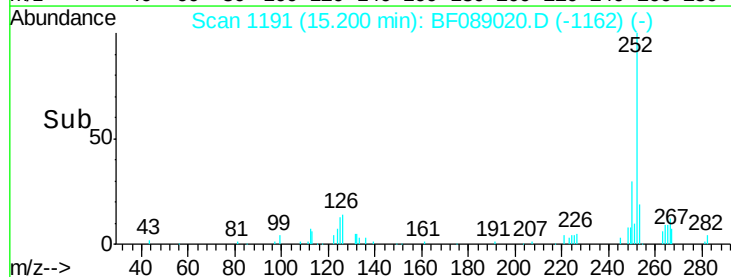
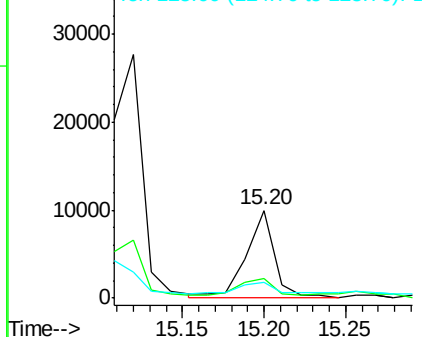
Lab File: BF089020.D

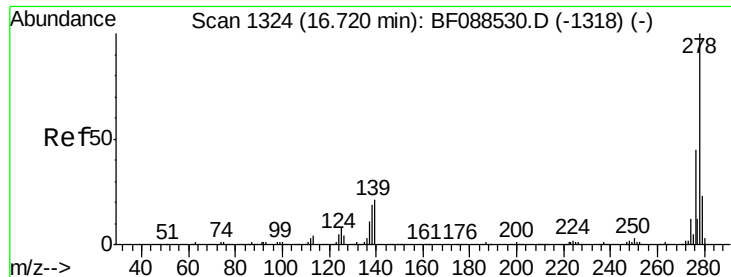
Acq: 15 Jul 2016 16:56

Tgt Ion:	252	Resp:	12096
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	18.3	12.5	18.7



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

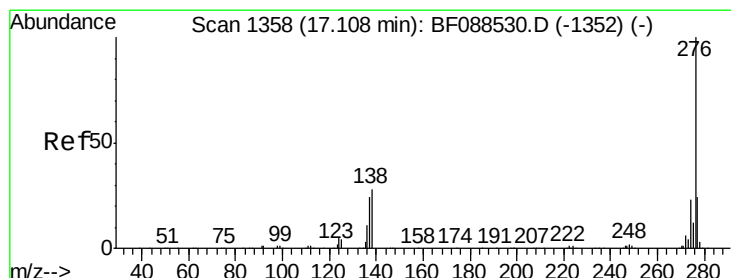
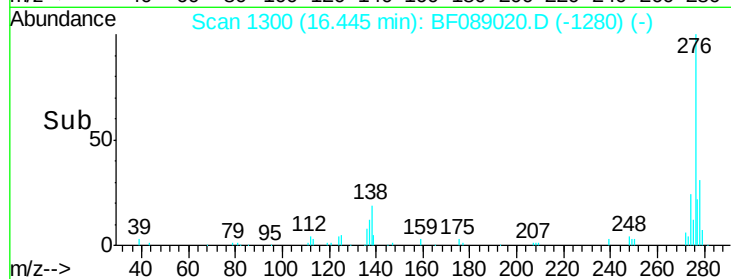
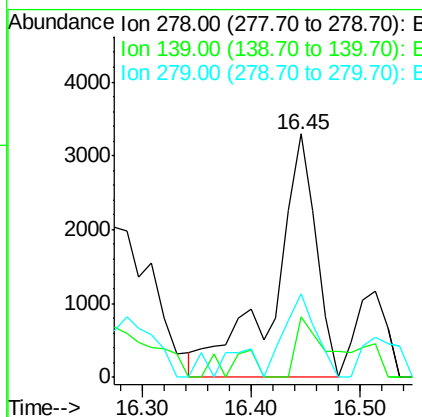
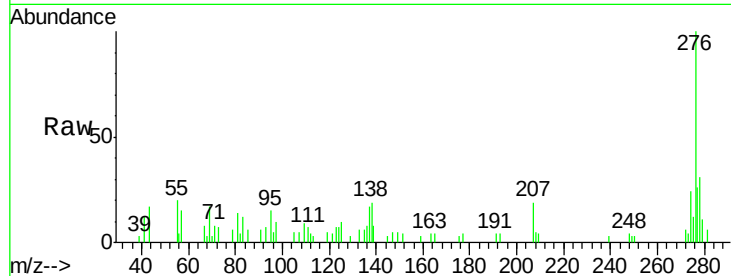




#90
Dibenzo(a,h)anthracene
Concen: 2.13 ng
RT: 16.45 min Scan# 1300
Delta R.T. -0.07 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB08(0-2ft)

Tgt Ion: 278 Resp: 8852
Ion Ratio Lower Upper
278 100
139 25.1 15.7 23.5#
279 34.2 19.4 29.2#



#91
Benzo(g,h,i)perylene
Concen: 5.53 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.07 min
Lab File: BF089020.D
Acq: 15 Jul 2016 16:56

Tgt Ion: 276 Resp: 23799
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 25.7 21.4 32.2

