

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082394.D
 Acq On : 20 Oct 2015 10:46
 Operator : UM/IZ
 Sample : G4046-05DL 400X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKENINSULATIONDL

Manual Integrations
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Quant Time: Oct 20 13:57:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	81362	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	341341	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	168918	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	290613	20.00	ng	-0.03
75) Chrysene-d12	14.04	240	217062	20.00	ng	0.02
86) Perylene-d12	15.59	264	214693	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.18	172	1729	0.17	ng	-0.03
78) Terphenyl-d14	12.94	244	1645	0.20	ng	-0.02
Target Compounds						
70) Phenanthrene	11.36	178	291194	20.44	ng	99
71) Anthracene	11.42	178	60772	4.14	ng	98
72) Carbazole	11.58	167	50464	3.77	ng	97
74) Fluoranthene	12.56	202	551674	36.06	ng	97
77) Pyrene	12.79	202	418167	32.46	ng	98
80) Benzo(a)anthracene	14.02	228	193544	17.14	ng	98
82) Chrysene	14.07	228	179088	15.05	ng	98
85) Indeno(1,2,3-cd)pyrene	17.01	276	73745m	7.80	ng	
87) Benzo(b)fluoranthene	15.17	252	197893m	15.15	ng	
88) Benzo(k)fluoranthene	15.18	252	95044m	8.66	ng	
89) Benzo(a)pyrene	15.52	252	134570	11.99	ng	97
90) Dibenzo(a,h)anthracene	17.02	278	18642m	2.03	ng	
91) Benzo(a,h,i)perylene	17.44	276	65121	7.29	ng	99

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

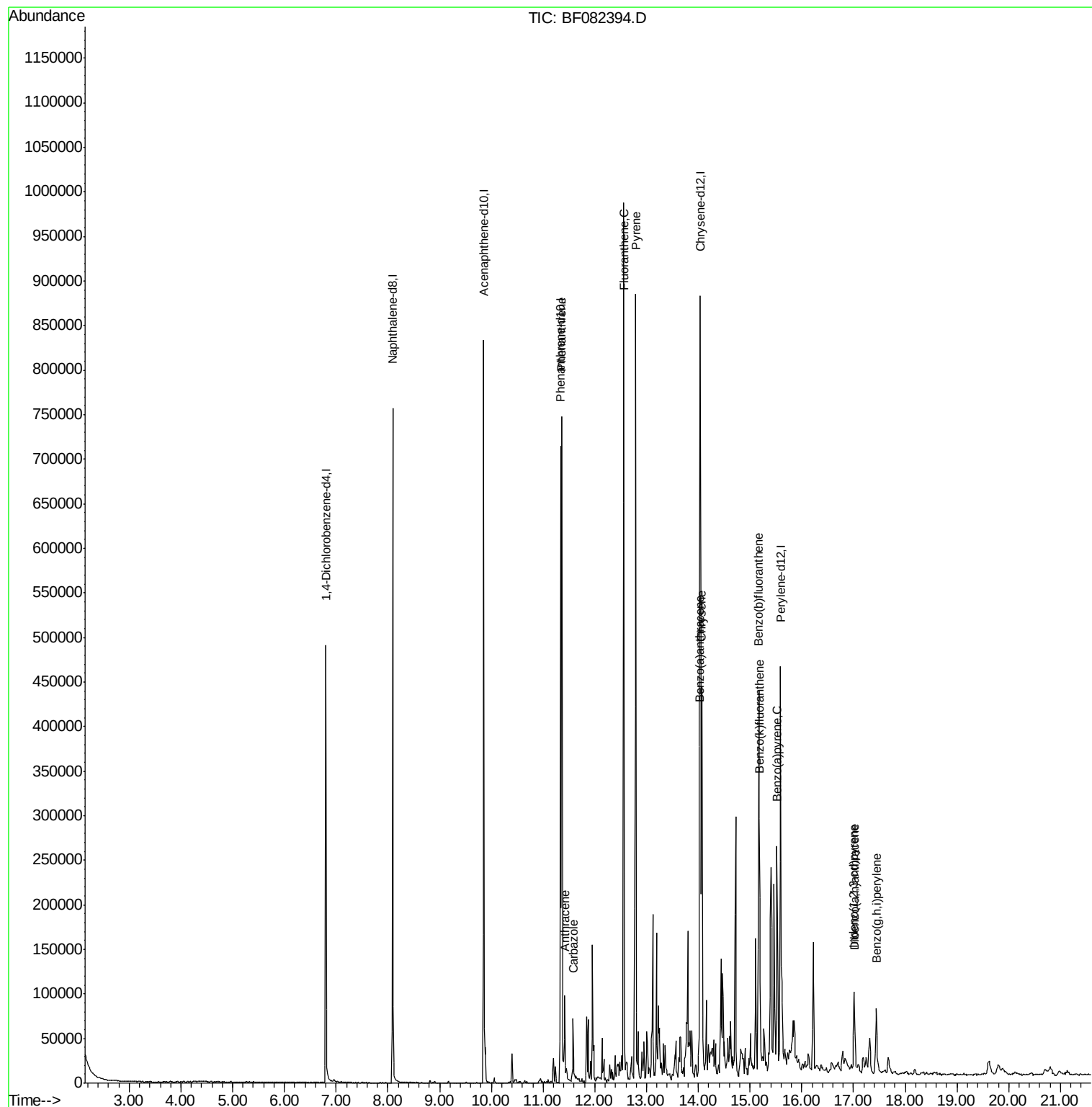
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082394.D
Acq On : 20 Oct 2015 10:46
Operator : UM/IZ
Sample : G4046-05DL 400X
Misc :
ALS Vial : 41 Sample Multiplier: 1

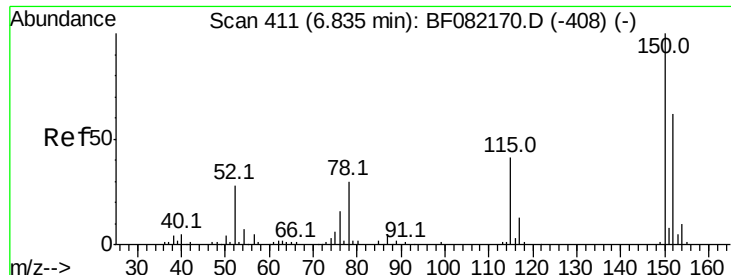
Instrument :
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#1

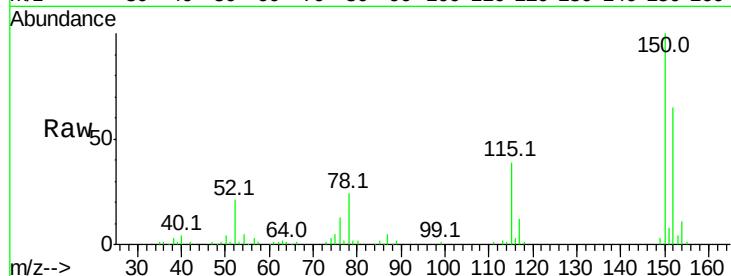
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Instrument :
BNA_F
ClientSampleId :
MANAHAWKENINSULATIONDL

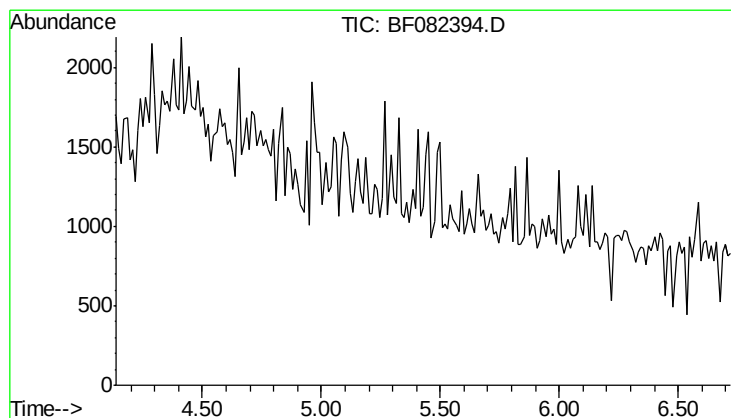
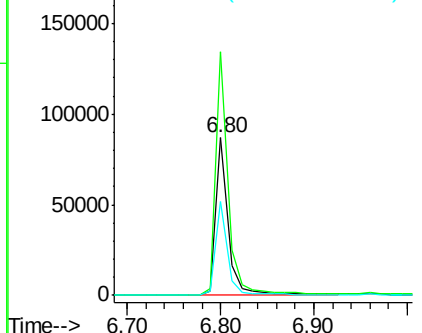
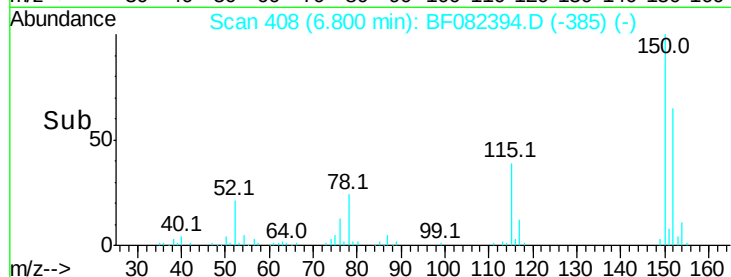
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	129.0	193.4
115	59.5	52.1	78.1

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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

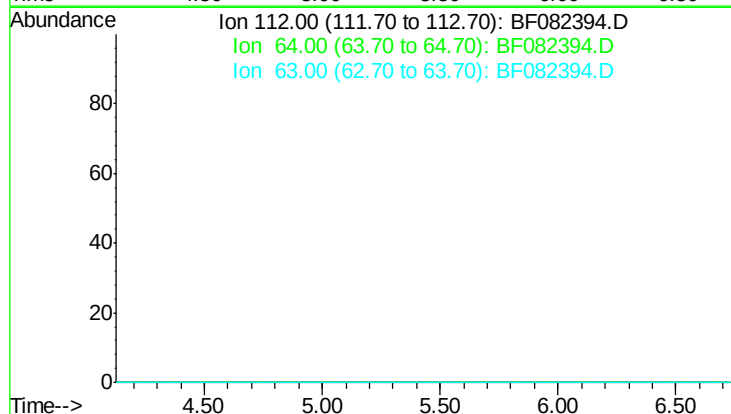


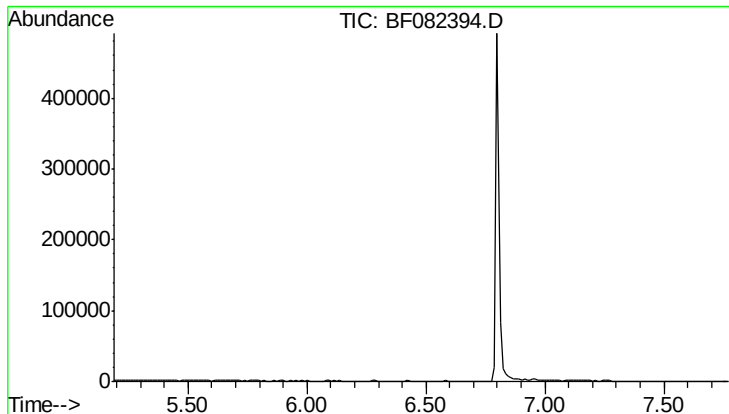
#5

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.43 min

Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Tgt Ion	Exp Ratio
112	100
64	60.8
63	31.4





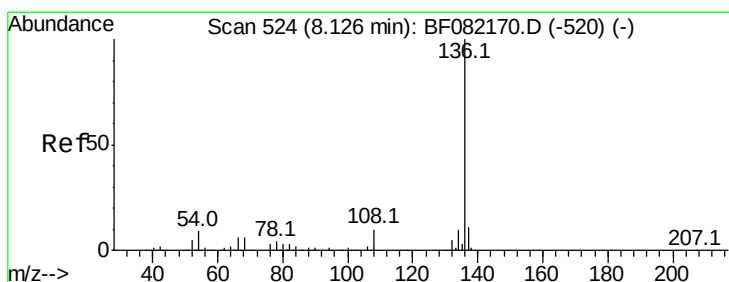
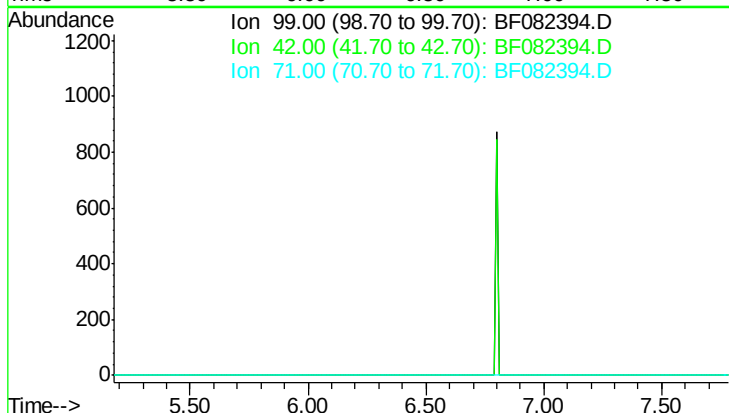
#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.48 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Instrument :
 BNA_F
 ClientSampleId :
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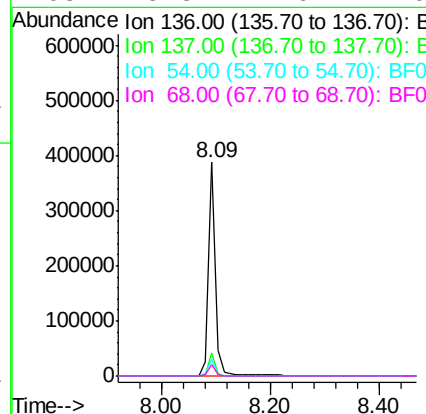
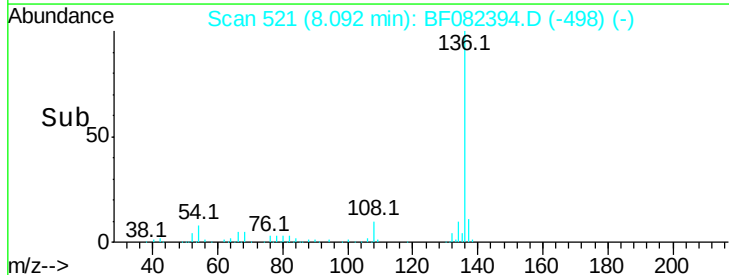
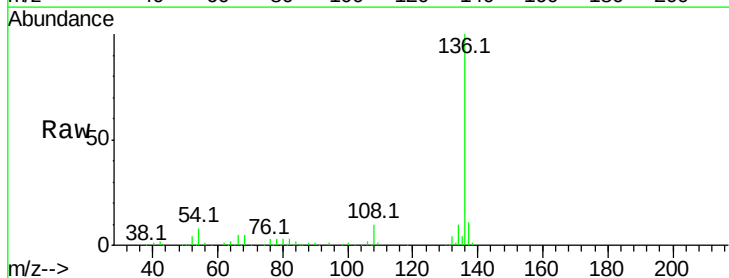
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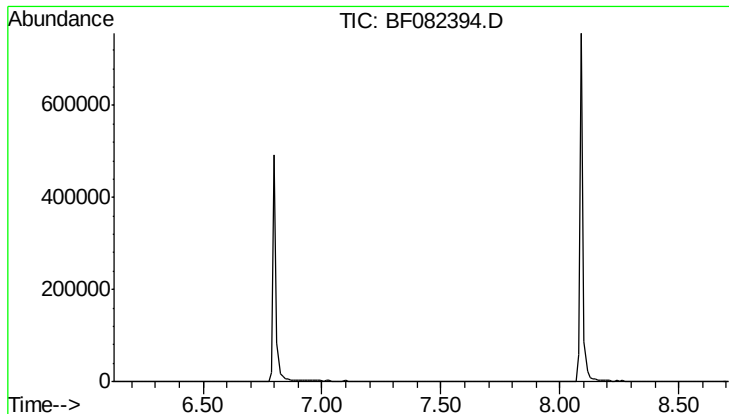
Tot Ion	99
Sig	Exp Ratio
99	100
42	16.5
71	32.0



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.09 min Scan# 521
 Delta R.T. -0.03 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Tgt Ion	136	Resp	341	341
Ion Ratio	Lower	Upper		
136	100			
137	11.0	9.0	13.6	
54	7.8	7.5	11.3	
68	5.3	4.6	7.0	



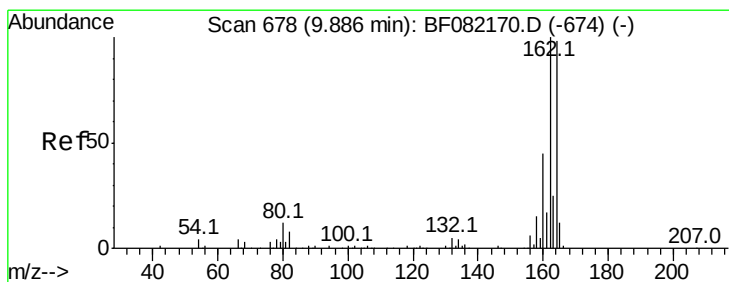
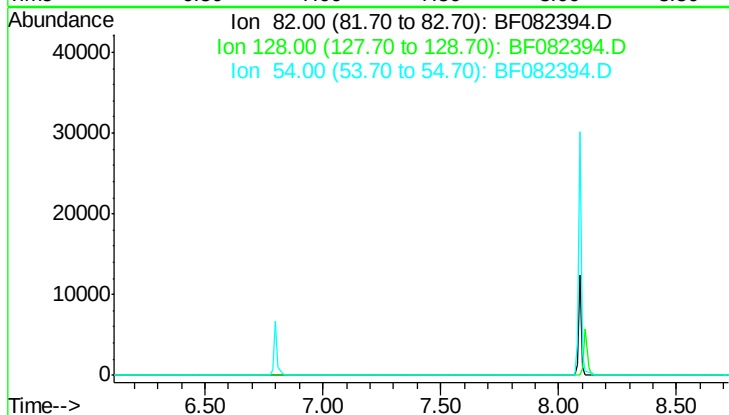


#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.42 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKENINSULATIONDL

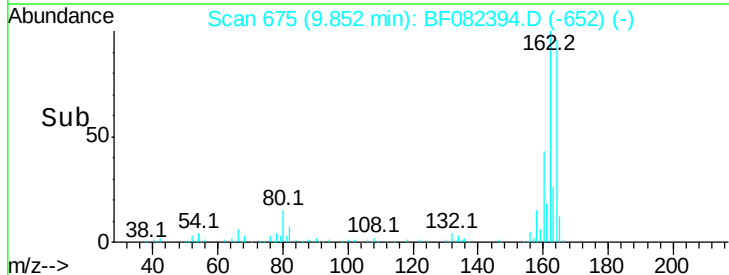
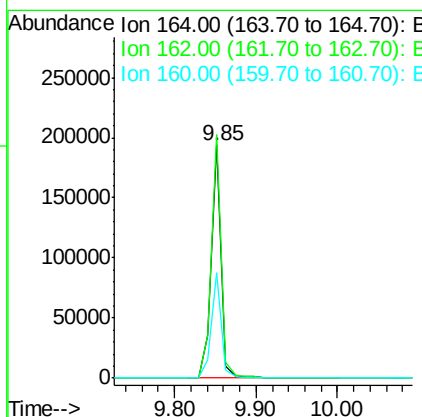
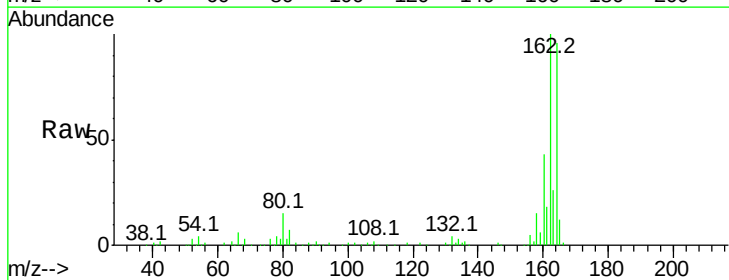
Tot Ion	82
Sig	Exp Ratio
82	100
128	48.4
54	50.1

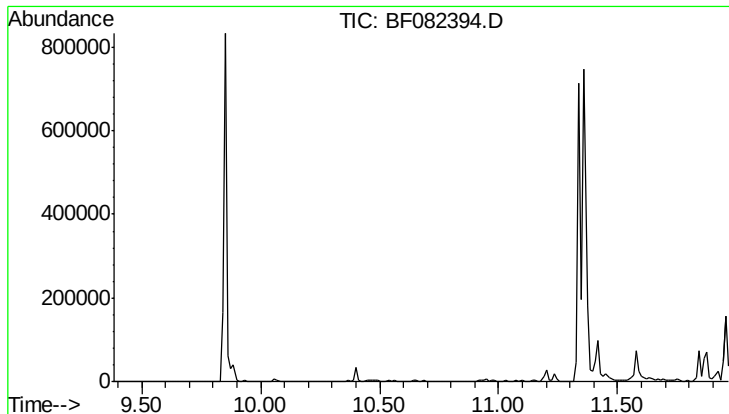
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Tgt Ion	164	Resp	168918
Ion	Ratio	Lower	Upper
164	100		
162	104.5	81.6	122.4
160	45.4	36.4	54.6





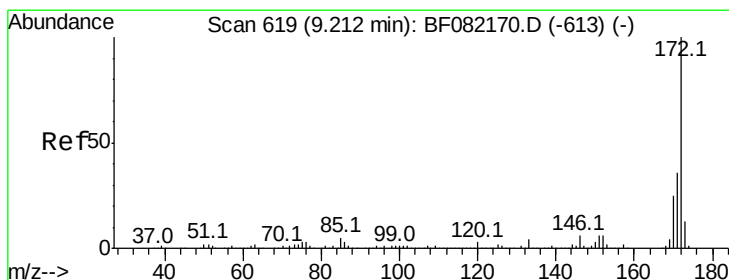
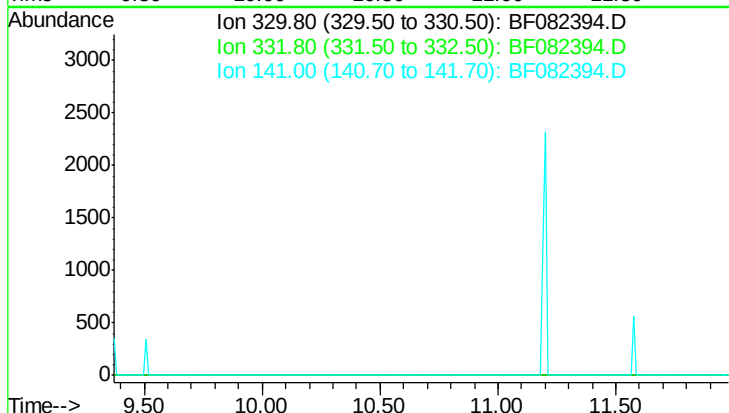
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.67 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Instrument :
 BNA_F
 ClientSampleId :
 MANAHAWKENINSULATIONDL

Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.4
 141 37.3

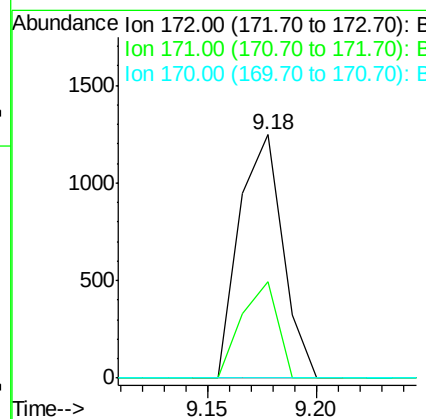
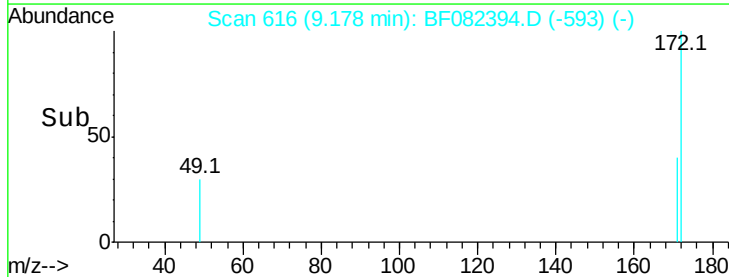
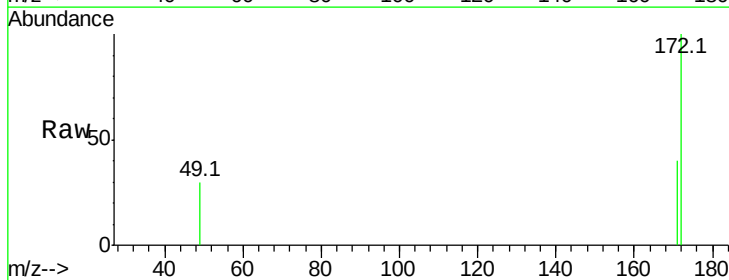
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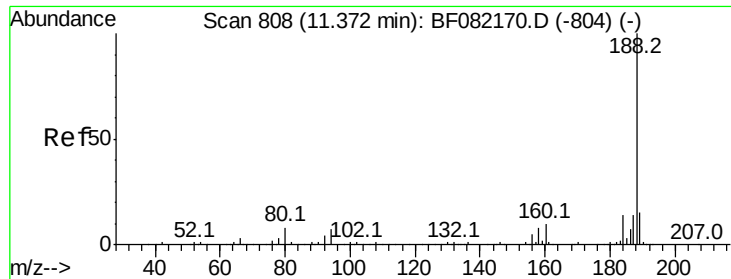
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#44
 2-Fluorobiphenyl
 Concen: 0.17 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Tgt Ion: 172 Resp: 1729
 Ion Ratio Lower Upper
 172 100
 171 39.6 28.6 42.8
 170 0.0 19.7 29.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Instrument :

BNA_F

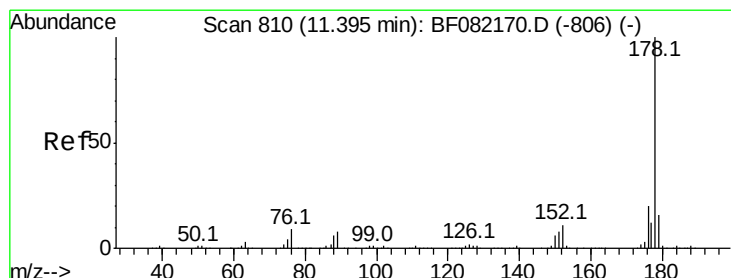
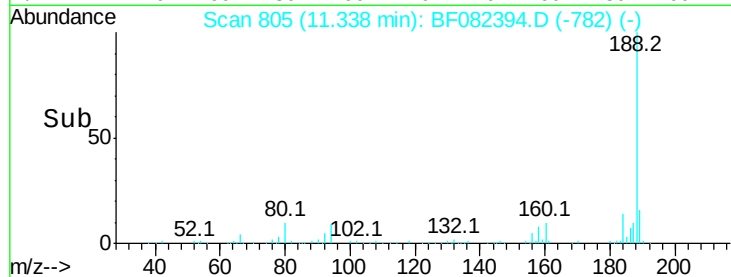
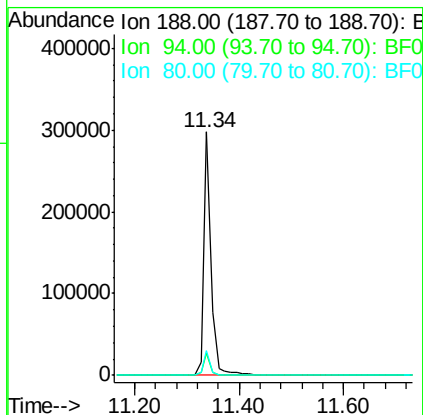
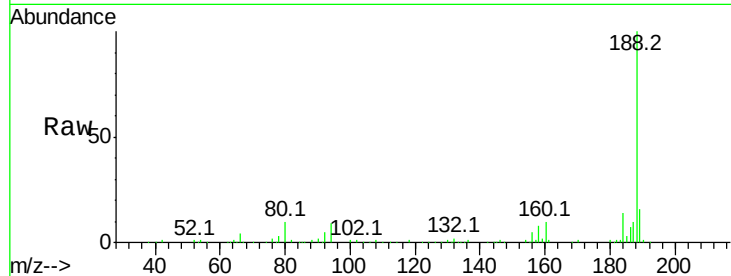
ClientSampleId :

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Tot Ion:	188	Resp:	290613
Ion Ratio	Lower	Upper	
188	100		
94	9.0	5.8	8.6#
80	10.0	6.4	9.6#

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#70

Phenanthrene

Concen: 20.44 ng

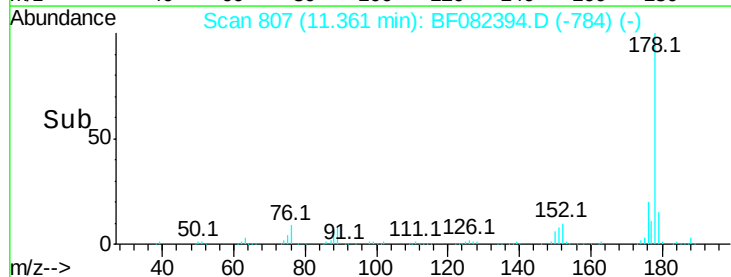
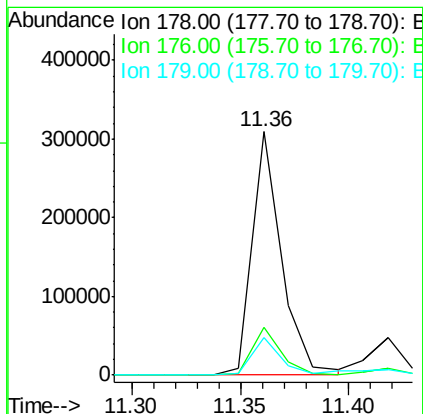
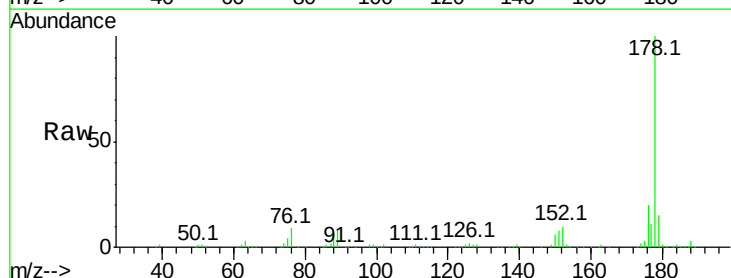
RT: 11.36 min Scan# 807

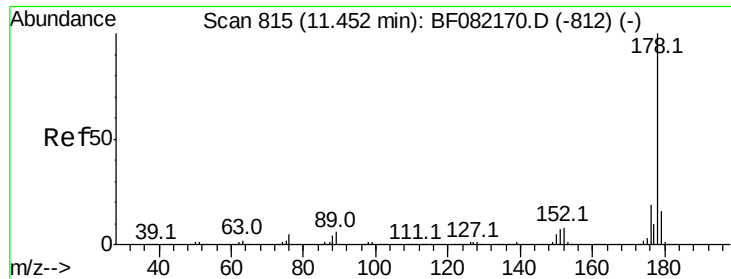
Delta R.T. -0.03 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Tgt Ion:	178	Resp:	291194
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.0	24.0
179	15.4	12.6	19.0





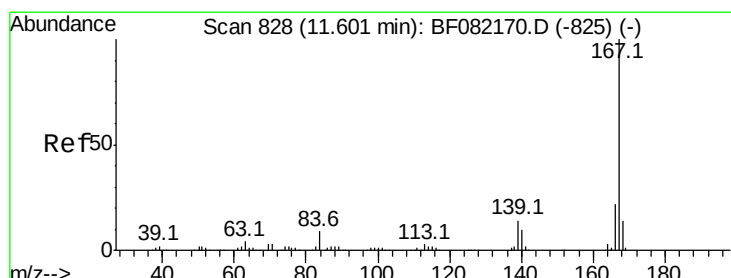
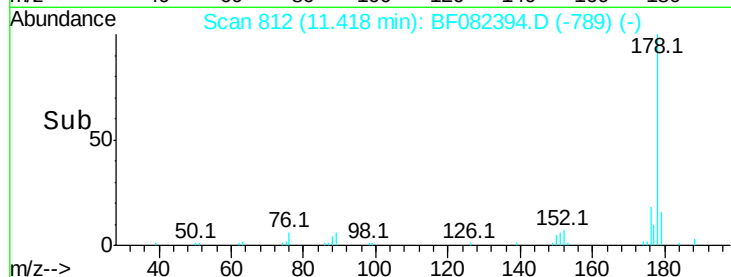
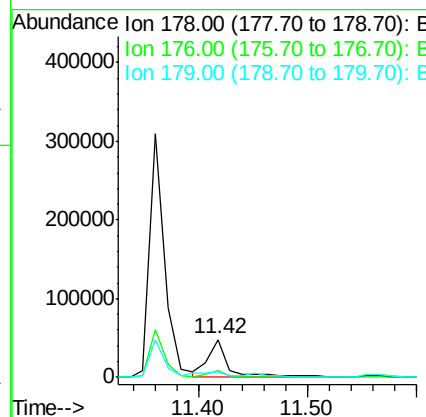
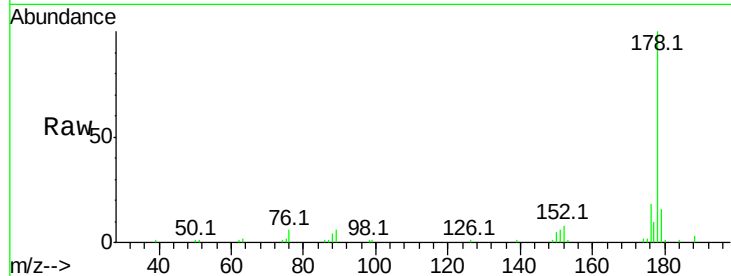
#71
 Anthracene
 Concen: 4.14 ng
 RT: 11.42 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	16.2	12.5	18.7

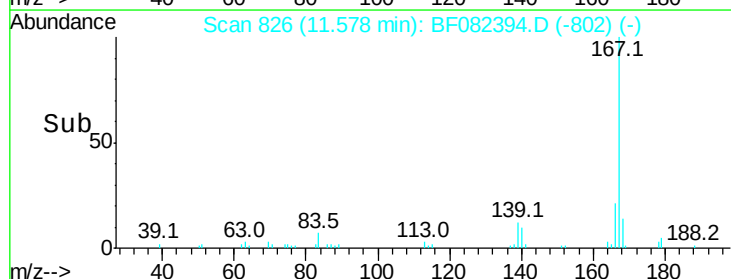
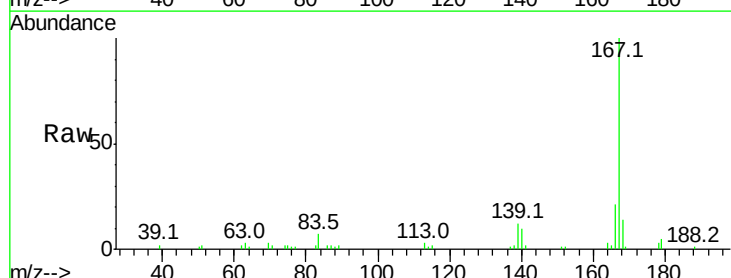
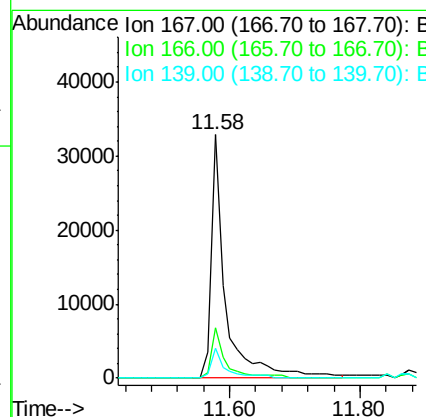
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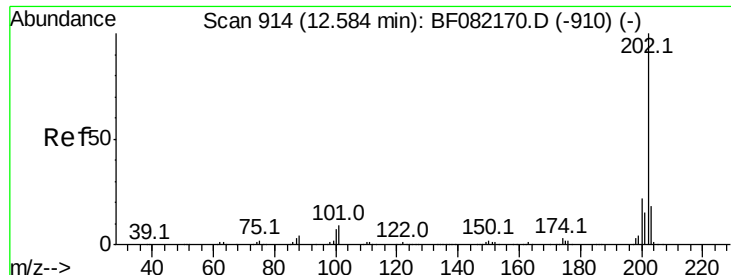
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#72
 Carbazole
 Concen: 3.77 ng
 RT: 11.58 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF082394.D
 Acq: 20 Oct 2015 10:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.3	25.9
139	12.3	11.2	16.8





#74

Fluoranthene

Concen: 36.06 ng

RT: 12.56 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Instrument :

BNA_F

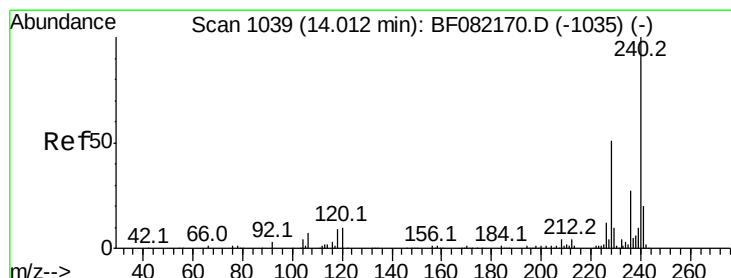
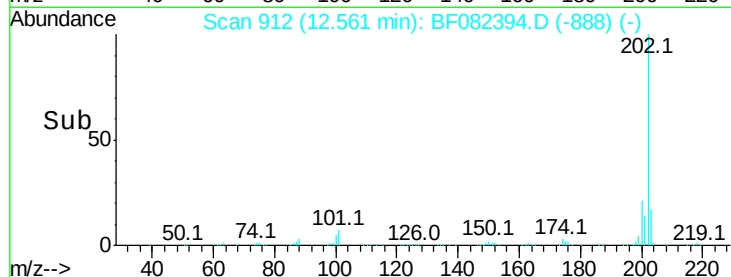
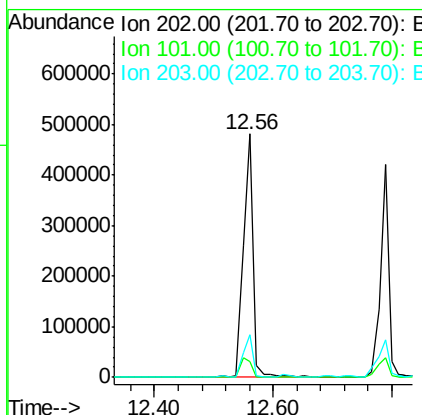
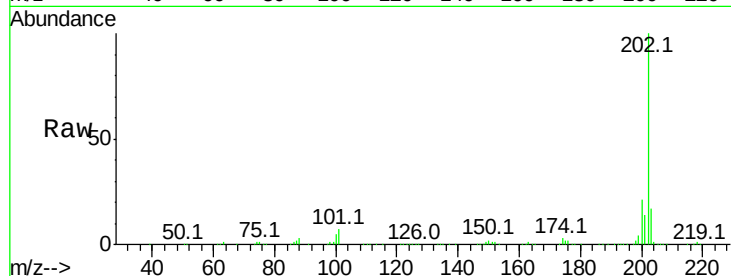
ClientSampleId :

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Tot Ion:	202	Resp:	551674
Ion Ratio	Lower	Upper	
202	100		
101	6.7	0.0	29.3
203	17.3	0.0	37.8

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#75

Chrysene-d12

Concen: 20.00 ng

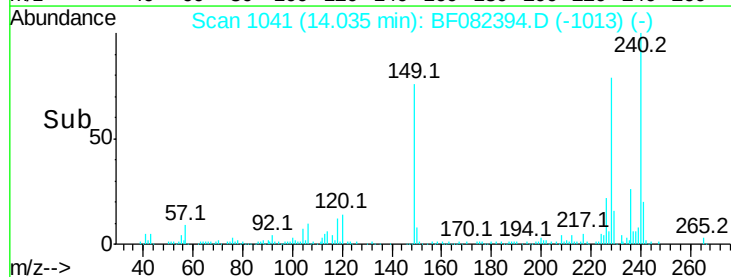
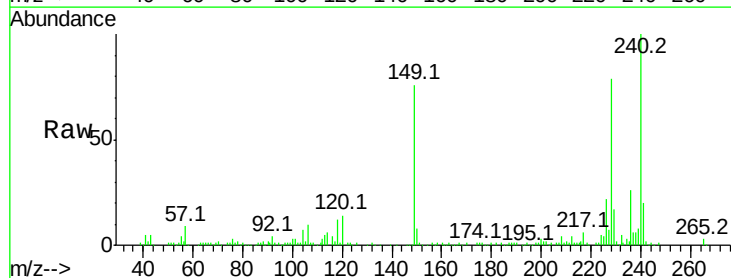
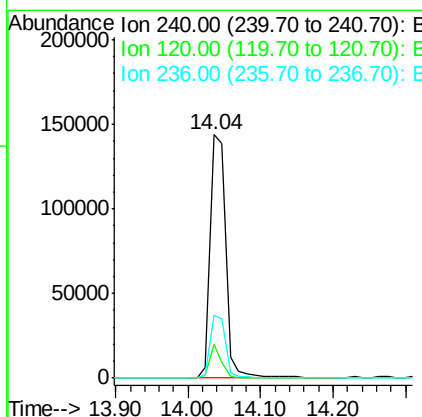
RT: 14.04 min Scan# 1041

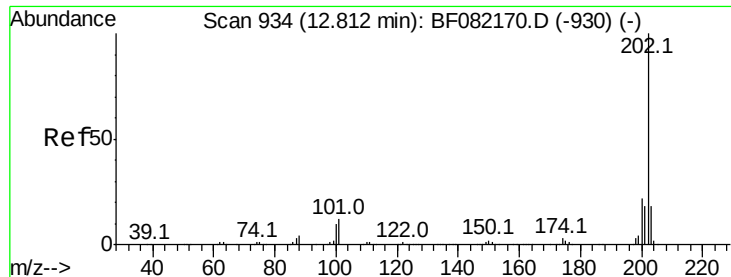
Delta R.T. 0.02 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Tgt Ion:	240	Resp:	217062
Ion Ratio	Lower	Upper	
240	100		
120	13.8	8.1	12.1#
236	25.9	21.3	31.9





#77

Pvrene

Concen: 32.46 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Instrument :

BNA_F

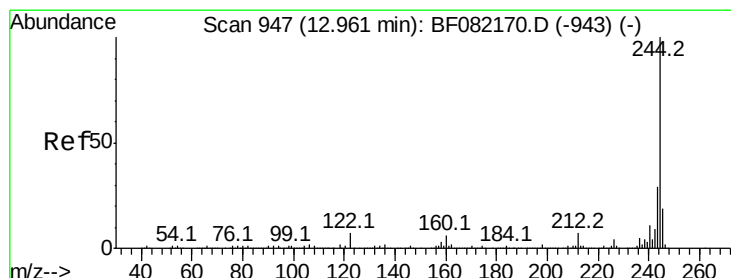
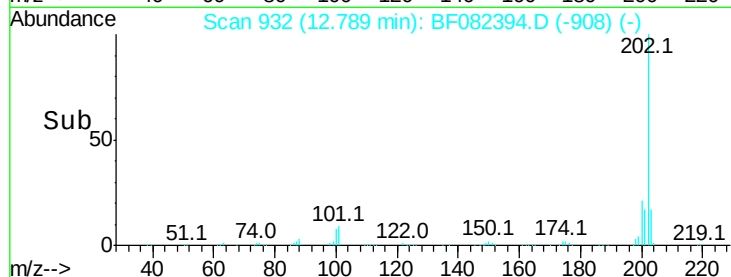
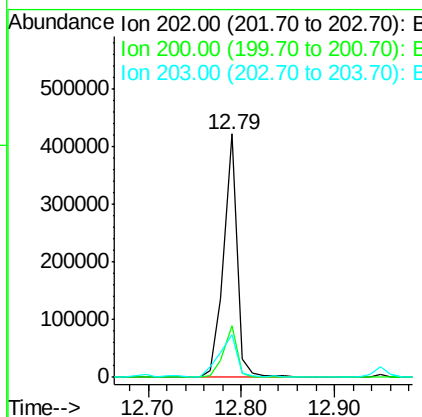
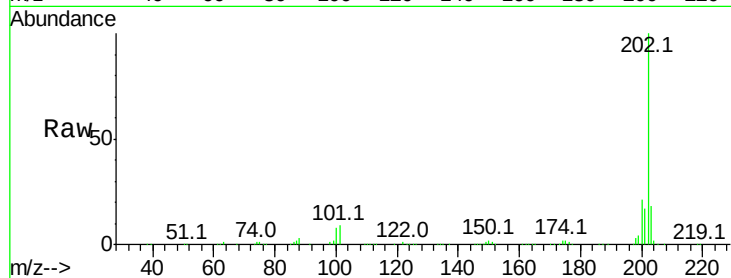
ClientSampleId :

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Tot Ion:	202	Resp:	418167
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.9	26.9
203	17.5	14.5	21.7

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#78

Terphenyl-d14

Concen: 0.20 ng

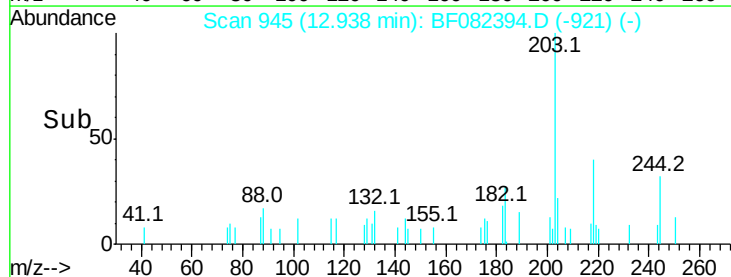
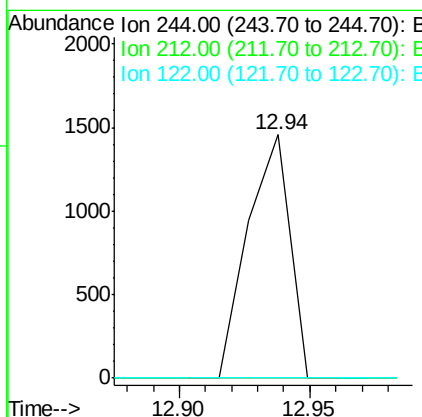
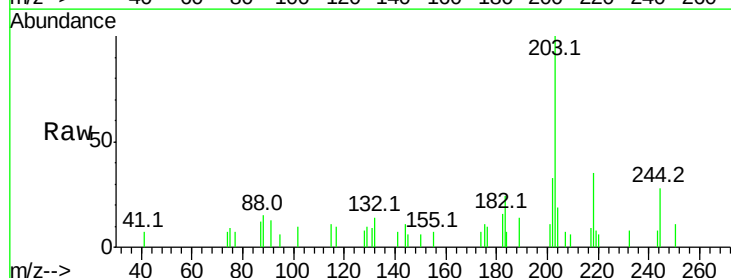
RT: 12.94 min Scan# 945

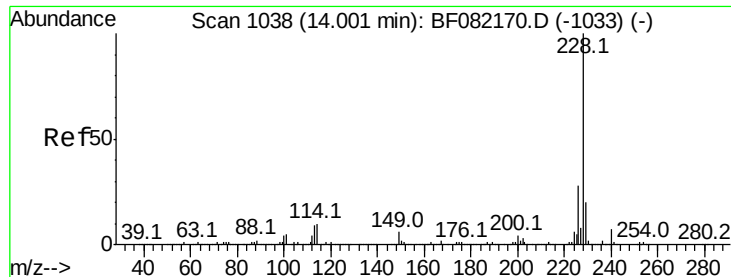
Delta R.T. -0.02 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Tgt Ion:	244	Resp:	1645
Ion Ratio		Lower	Upper
244	100		
212	0.0	5.8	8.6#
122	0.0	5.9	8.9#





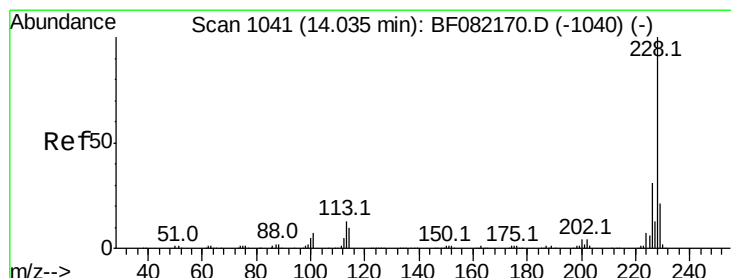
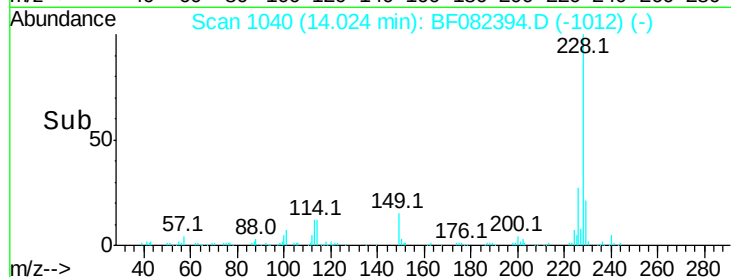
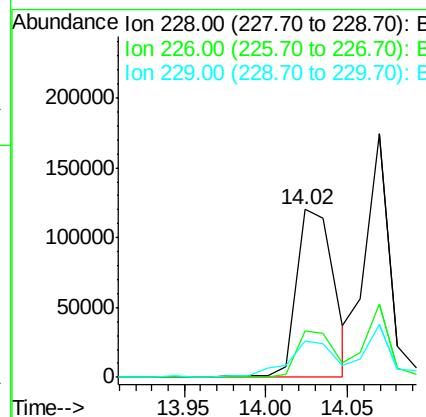
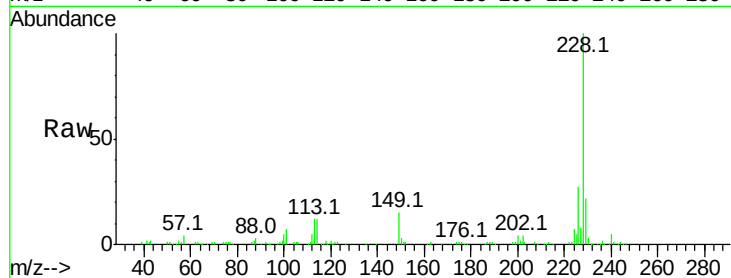
#80
Benzo(a)anthracene
Concen: 17.14 ng
RT: 14.02 min Scan# 1040
Delta R.T. 0.02 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Instrument :
BNA_F
ClientSampleId :
MANAHAWKENINSULATIONDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.3	33.5
229	21.6	16.2	24.2

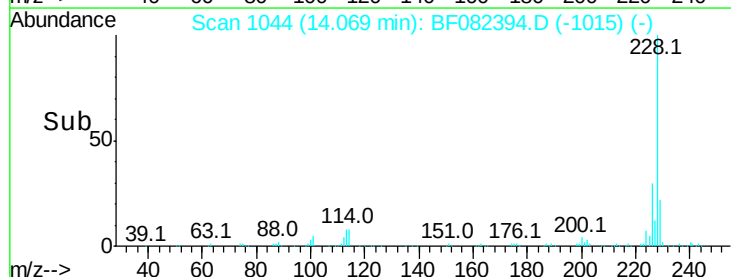
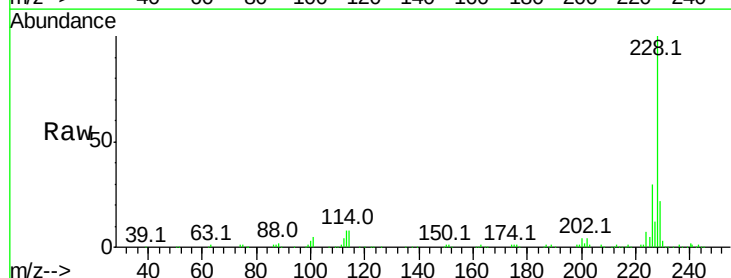
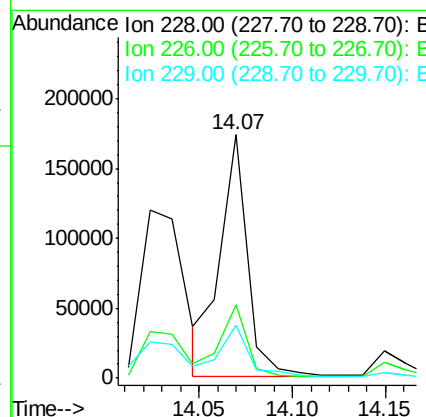
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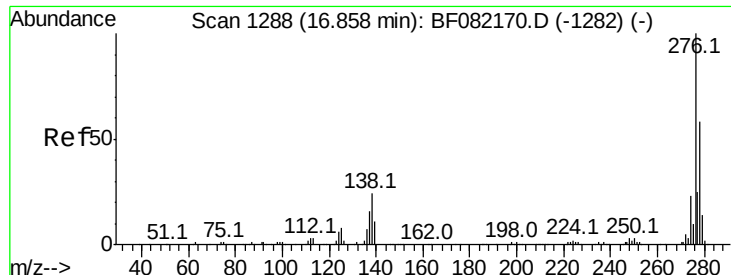
MMdadoda
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#82
Chrysene
Concen: 15.05 ng
RT: 14.07 min Scan# 1044
Delta R.T. 0.03 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	21.9	16.3	24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.80 ng/mL

RT: 17.01 min Scan# 1301

Delta R.T. 0.15 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Instrument :

BNA_F

ClientSampleId :

MANAHAWKENINSULATIONDL

Tot Ion:276 Resp: 73745

Ion Ratio Lower Upper

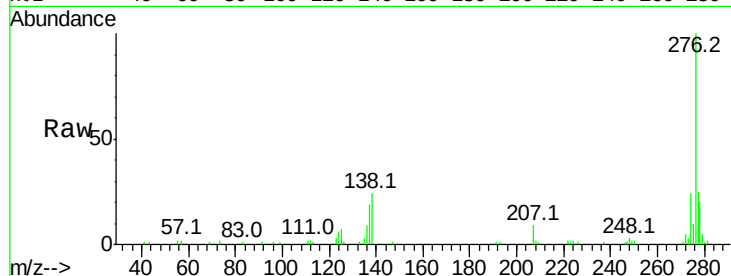
276 100

138 5.4 19.7 29.5#

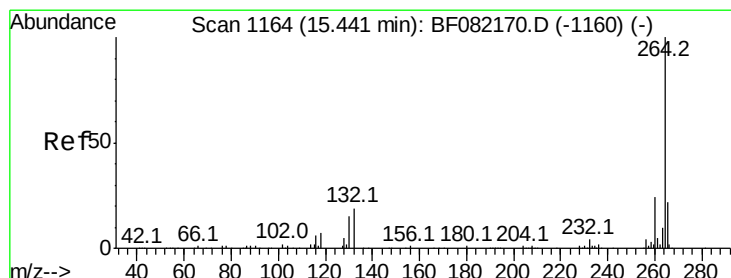
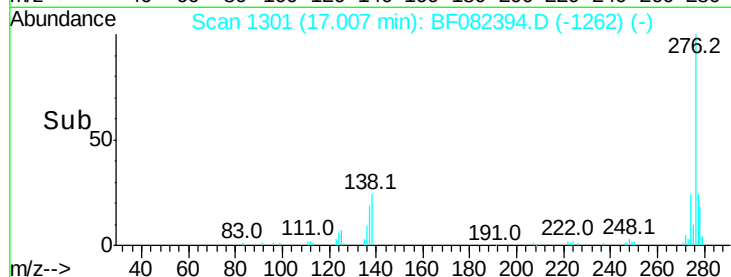
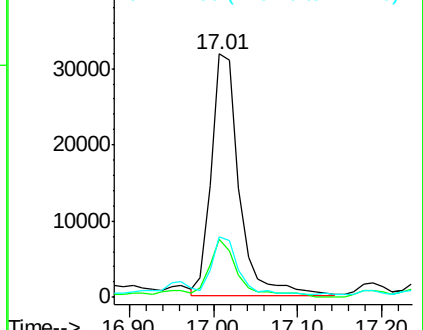
277 6.0 20.1 30.1#

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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: 15.59 min Scan# 1177

Delta R.T. 0.15 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

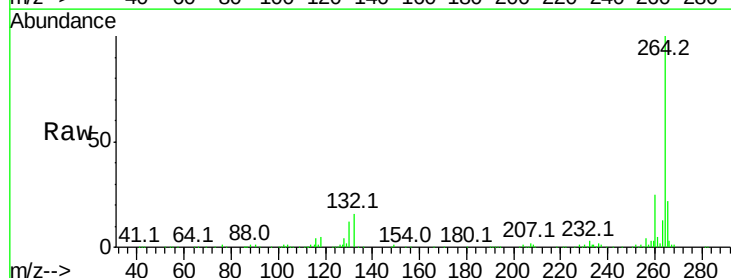
Tgt Ion:264 Resp: 214693

Ion Ratio Lower Upper

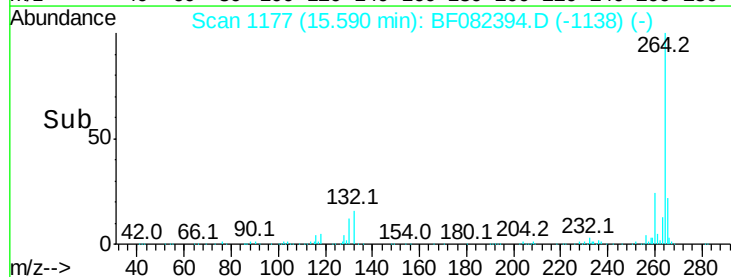
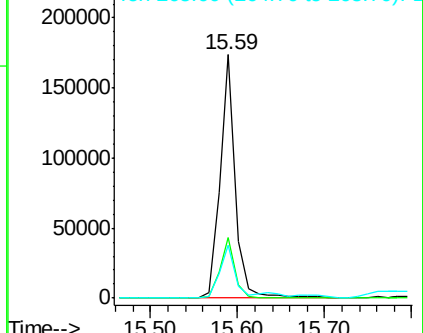
264 100

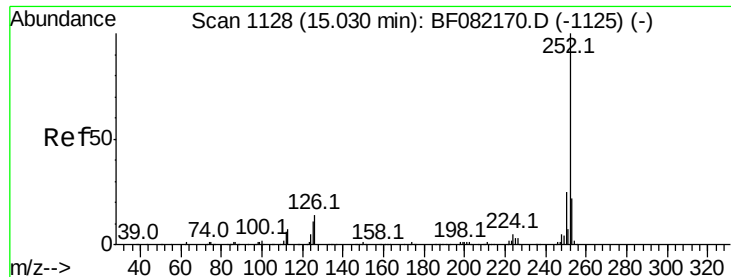
260 24.7 19.0 28.6

265 21.7 17.3 25.9



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: 15.15 ng m

RT: 15.17 min Scan# 1140

Delta R.T. 0.14 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Instrument :

BNA_F

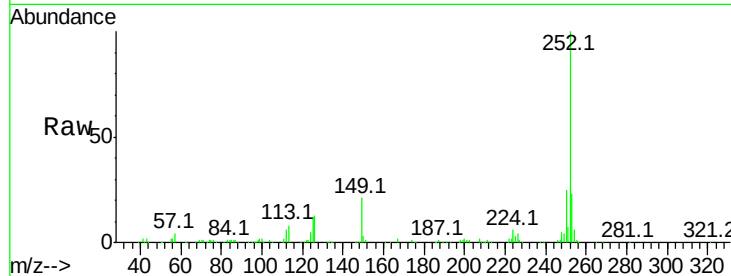
ClientSampleId :

MANAHAWKENINSULATIONDL

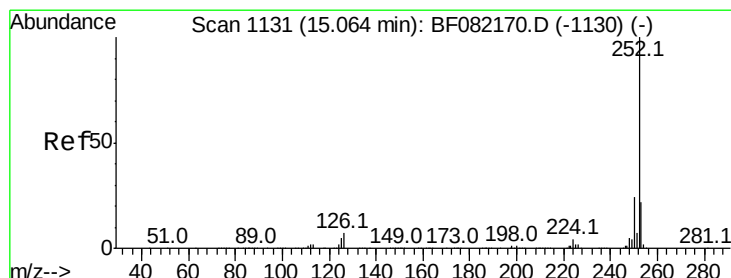
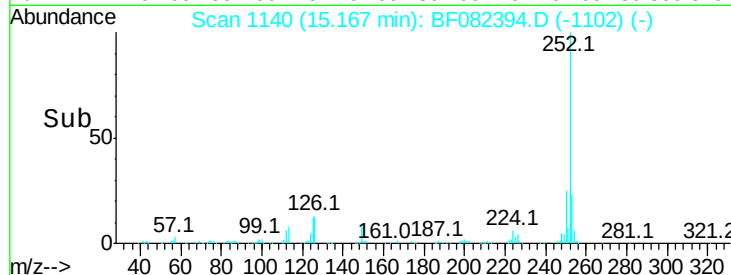
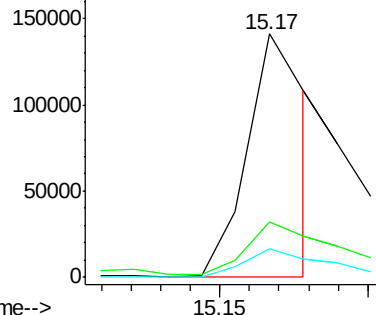
Tot Ion	Ratio	Resp	Lower	Upper
252	100	197893		
253	22.5	18.0	27.0	
125	11.5	8.6	12.8	

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



#88

Benzo(k)fluoranthene

Concen: 8.66 ng m

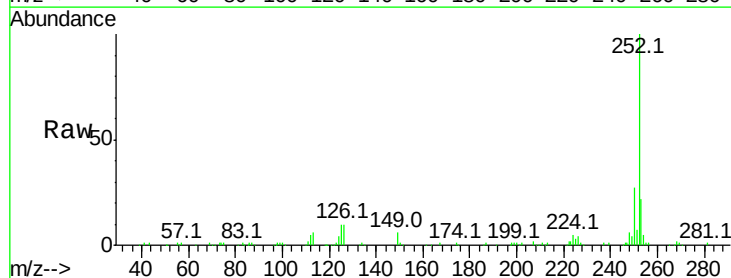
RT: 15.18 min Scan# 1141

Delta R.T. 0.11 min

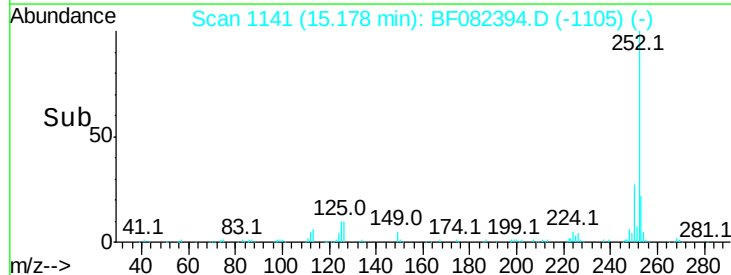
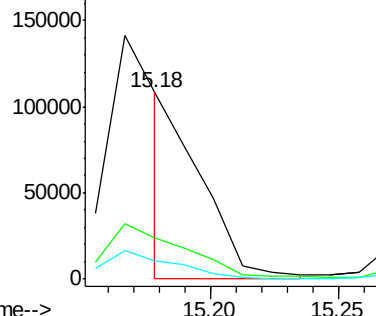
Lab File: BF082394.D

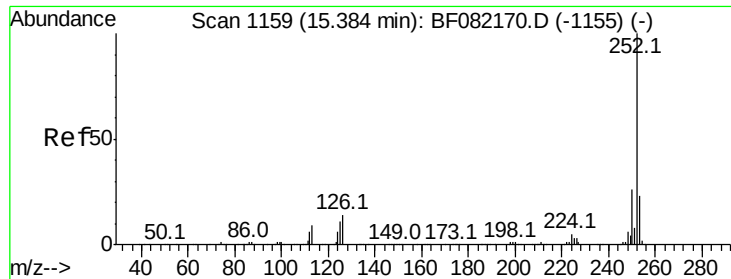
Acq: 20 Oct 2015 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	95044		
253	21.8	17.8	26.6	
125	9.7	6.7	10.1	



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





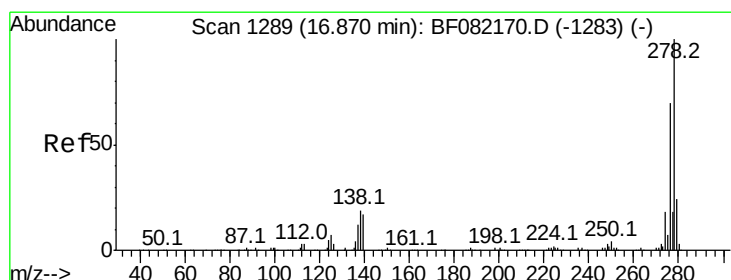
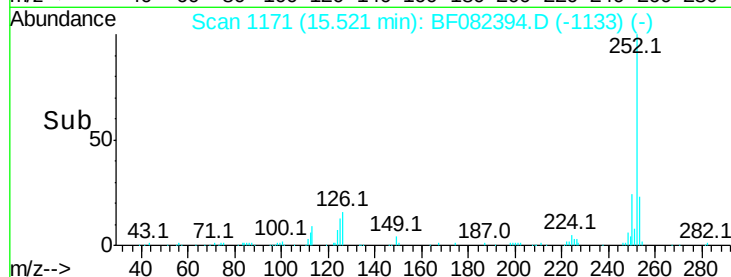
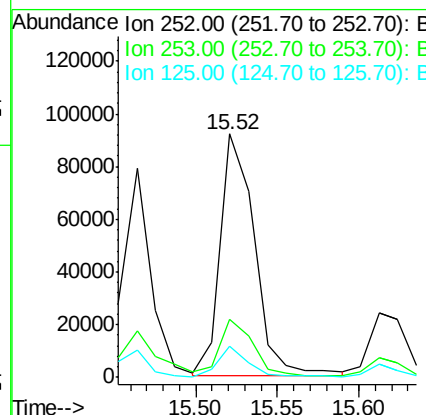
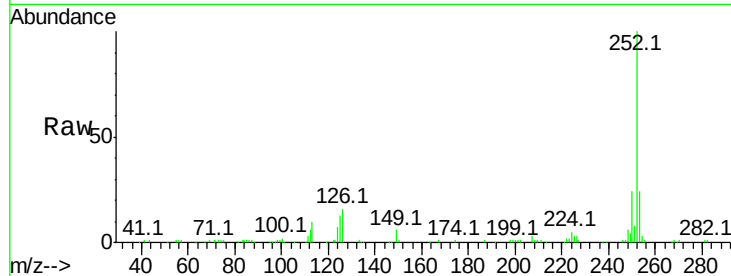
#89
Benzo(a)pyrene
Concen: 11.99 ng
RT: 15.52 min Scan# 1171
Delta R.T. 0.14 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Instrument :
BNA_F
ClientSampleId :
MANAHAWKENINSULATIONDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	12.5	8.9	13.3

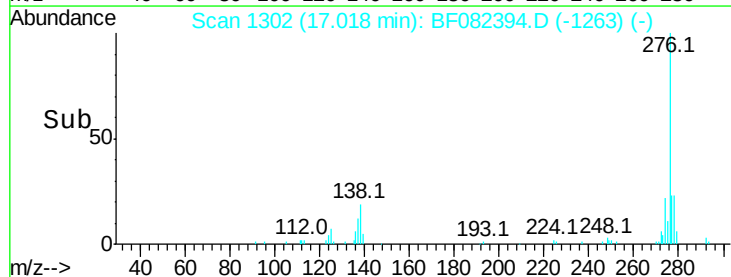
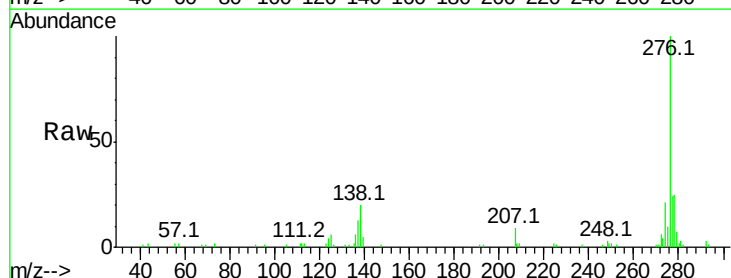
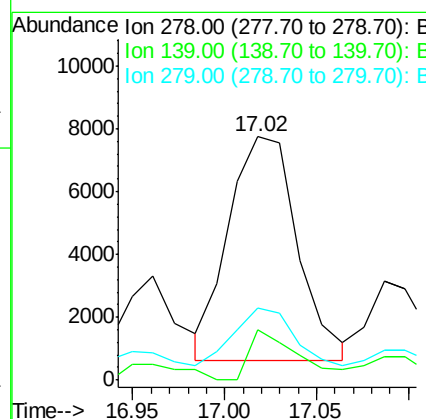
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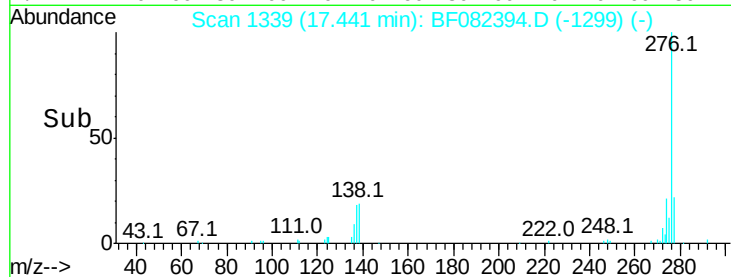
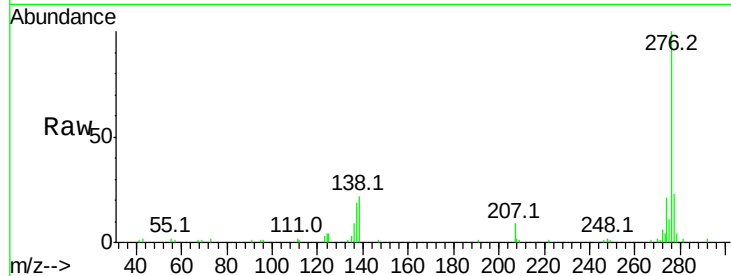
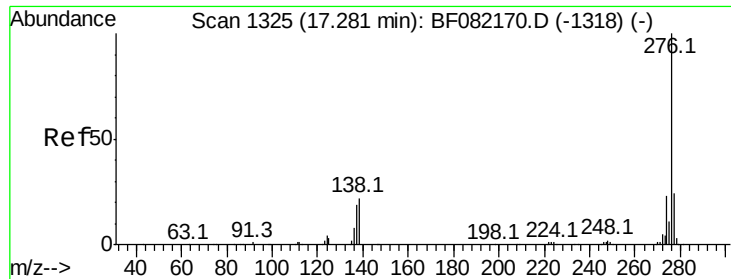
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#90
Dibenzo(a,h)anthracene
Concen: 2.03 ng m
RT: 17.02 min Scan# 1302
Delta R.T. 0.15 min
Lab File: BF082394.D
Acq: 20 Oct 2015 10:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	13.3	19.9#
279	29.8	18.9	28.3#





#91

Benzo(a,h,i)perylene

Concen: 7.29 ng

RT: 17.44 min Scan# 1339

Delta R.T. 0.16 min

Lab File: BF082394.D

Acq: 20 Oct 2015 10:46

Tot Ion:	276	Resp:	65121
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.8	28.2
138	21.6	17.4	26.2

Instrument :

BNA_F

ClientSampleId :

MANAHAWKENINSULATIONDL

Manual Integrations
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