

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
 Data File : BF082507.D
 Acq On : 24 Oct 2015 12:02
 Operator : UM/IZ
 Sample : G4119-03DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB15-18-2.5-3DL

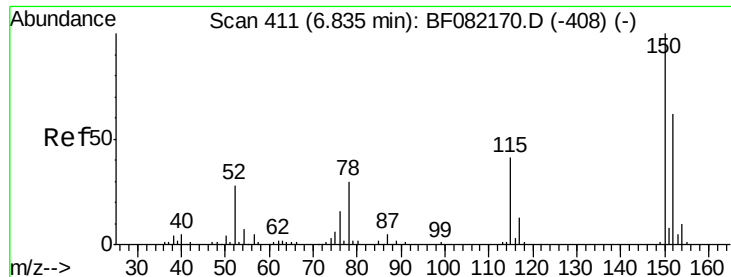
Manual Integrations
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Quant Time: Oct 25 01:15:43 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 15:17:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	80964	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	315017	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	136301	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	210129	20.00	ng	0.00
75) Chrysene-d12	13.96	240	183125	20.00	ng	-0.08
86) Perylene-d12	15.44	264	152646	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	62051	15.47	ng	0.02
7) Phenol-d6	6.42	99	105774	20.26	ng	0.00
23) Nitrobenzene-d5	7.33	82	67112	14.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	569	0.45	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	142961	17.39	ng	-0.01
78) Terphenyl-d14	12.88	244	105678	15.29	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.07	128	30133	2.21	ng	99
37) 2-Methylnaphthalene	8.77	142	20582	2.17	ng	99
49) Dimethylphthalate	9.52	163	62666	6.53	ng	99
51) Acenaphthene	9.84	154	23115	3.02	ng	95
57) Fluorene	10.35	166	24474	2.84	ng	# 94
70) Phenanthrene	11.31	178	262624	25.50	ng	99
71) Anthracene	11.37	178	91231	8.60	ng	97
72) Carbazole	11.53	167	22088	2.28	ng	# 90
74) Fluoranthene	12.51	202	593663	53.67	ng	98
77) Pyrene	12.74	202	519684	47.82	ng	99
79) Butylbenzylphthalate	13.36	149	11314	2.28	ng	# 82
80) Benzo(a)anthracene	13.96	228	279491	29.33	ng	96
82) Chrysene	13.99	228	255147	25.41	ng	98
83) Bis(2-ethylhexyl)phthalate	13.93	149	167694	23.70	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.84	276	67282	8.43	ng	94
87) Benzo(b)fluoranthene	15.04	252	256457m	27.61	ng	
88) Benzo(k)fluoranthene	15.06	252	76135m	9.75	ng	
89) Benzo(a)pyrene	15.38	252	148970	18.67	ng	# 96
90) Dibenzo(a,h)anthracene	16.85	278	16194	2.48	ng	# 62
91) Benzo(g,h,i)perylene	17.26	276	59289	9.33	ng	94

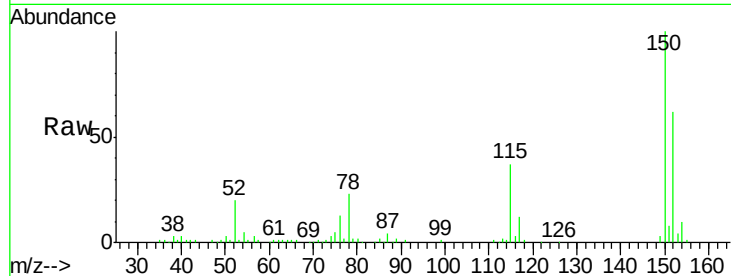
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

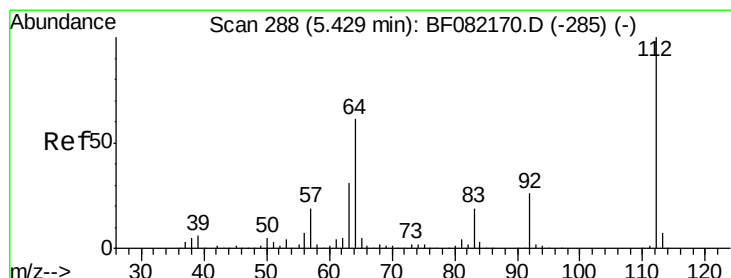
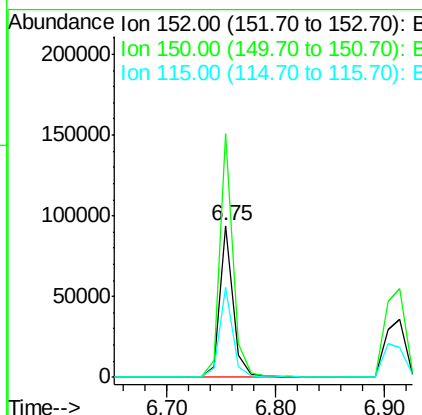
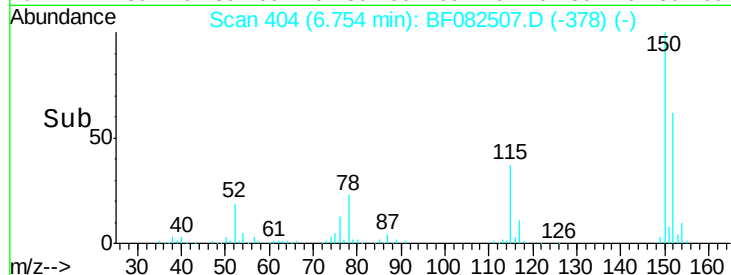
Instrument :
BNA_F
ClientSampleId :
SB15-18-2.5-3DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.4	129.0	193.4
115	59.4	52.1	78.1

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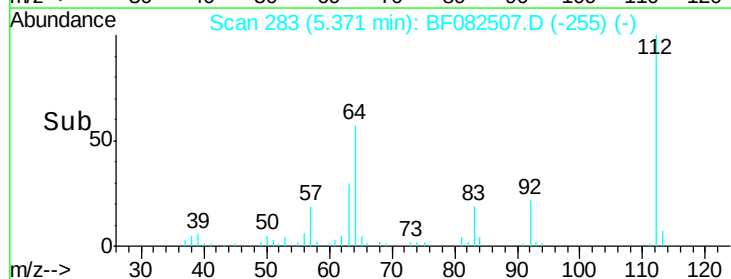
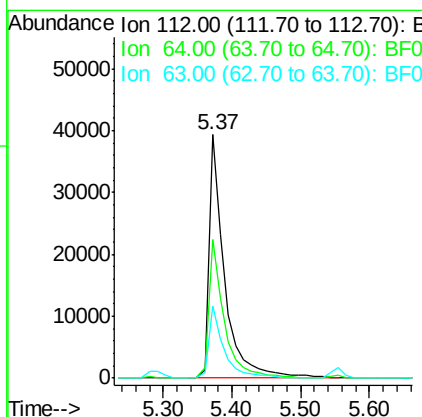
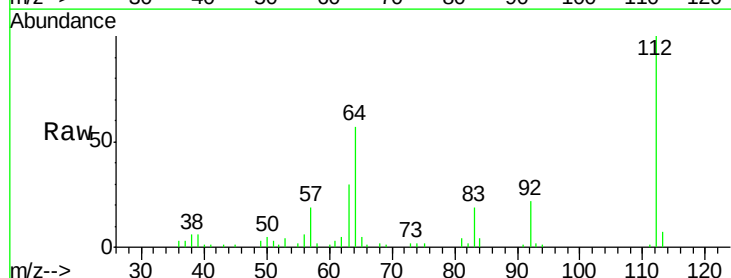
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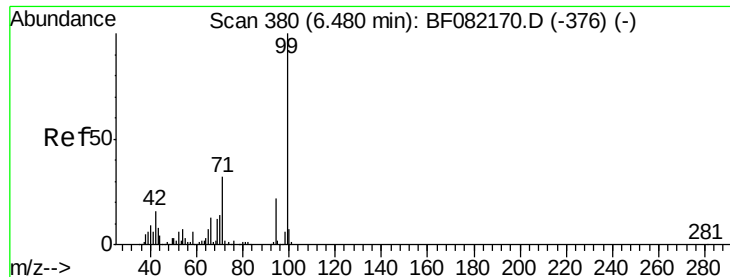


#5

2-Fluorophenol
Concen: 15.47 ng
RT: 5.37 min Scan# 283
Delta R.T. 0.02 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.6	73.0
63	29.6	25.1	37.7





#7

Phenol-d6

Concen: 20.26 ng

RT: 6.42 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF082507.D

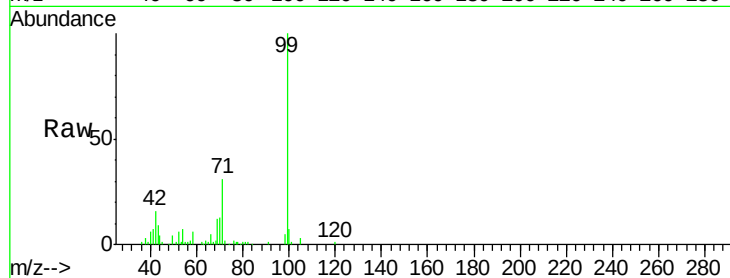
Acq: 24 Oct 2015 12:02

Instrument :

BNA_F

ClientSampleId :

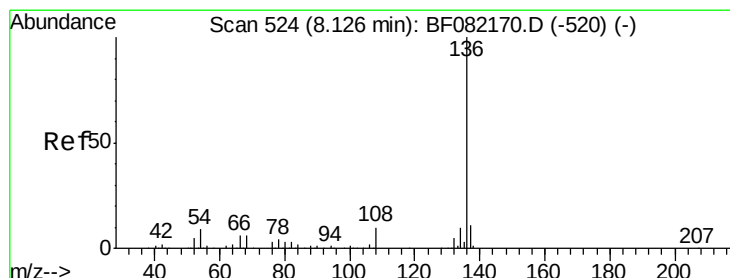
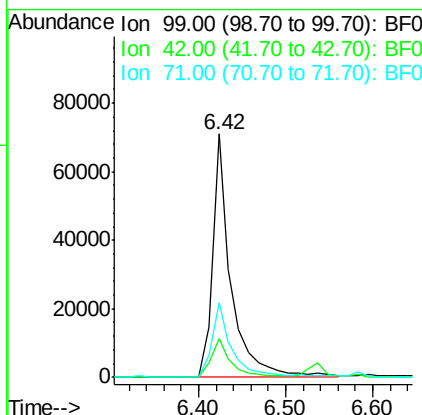
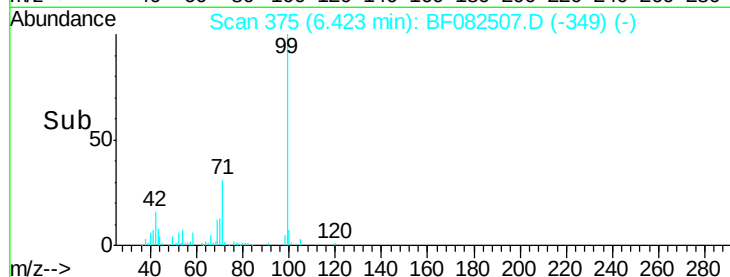
SB15-18-2.5-3DL



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		105774		
42	16.1	13.2	19.8		
71	30.5	25.6	38.4		

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#21

Naphthalene-d8

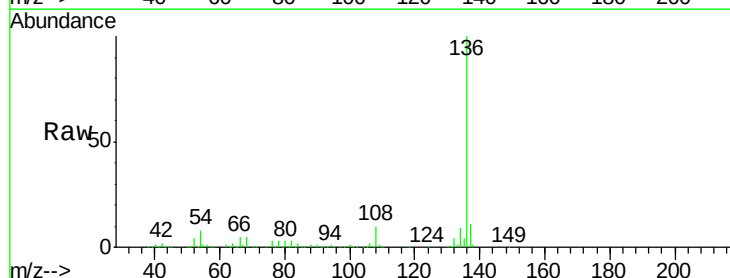
Concen: 20.00 ng

RT: 8.05 min Scan# 517

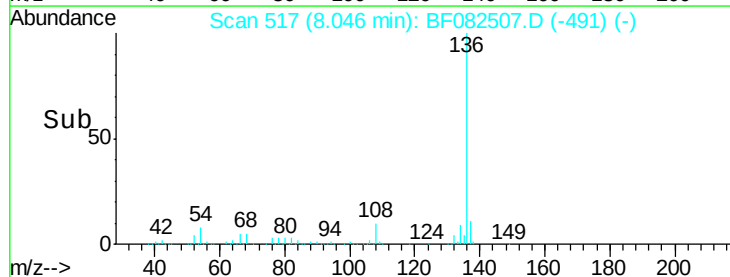
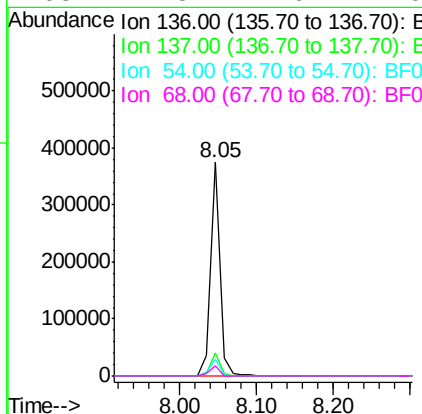
Delta R.T. 0.00 min

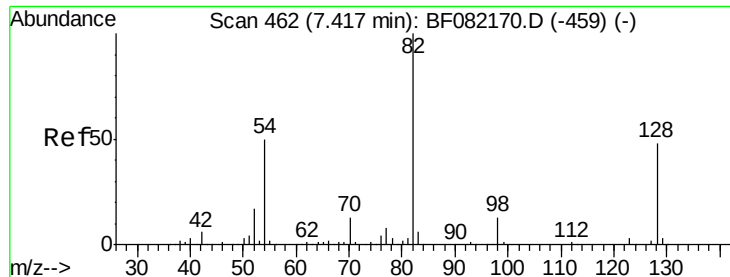
Lab File: BF082507.D

Acq: 24 Oct 2015 12:02



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		315017		
137	10.9	9.0	13.6		
54	7.6	7.5	11.3		
68	4.8	4.6	7.0		





#23

Nitrobenzene-d5

Concen: 14.31 ng

RT: 7.33 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF082507.D

Acq: 24 Oct 2015 12:02

Instrument :

BNA_F

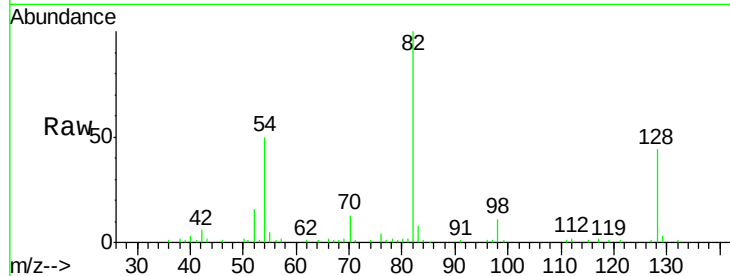
ClientSampleId :

SB15-18-2.5-3DL

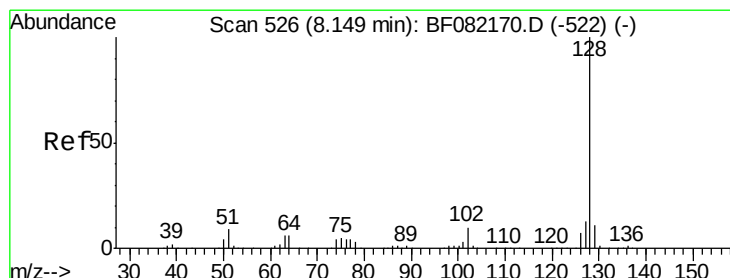
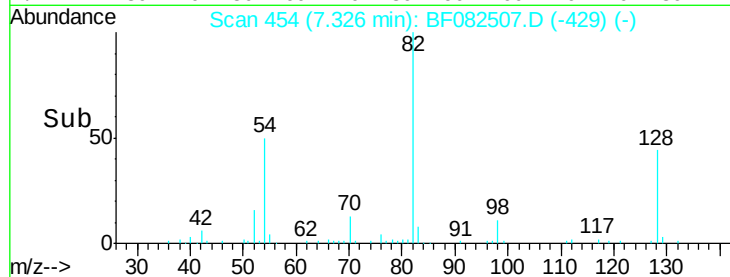
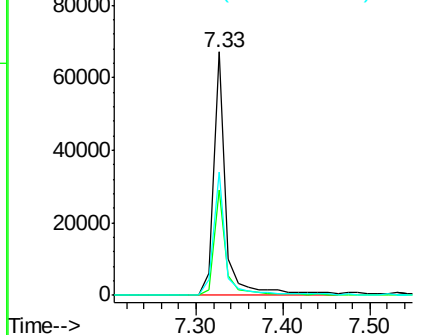
Tgt Ion:	82	Resp:	67112
Ion Ratio	Lower	Upper	
82	100		
128	43.5	38.7	58.1
54	50.4	40.1	60.1

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



#31

Naphthalene

Concen: 2.21 ng

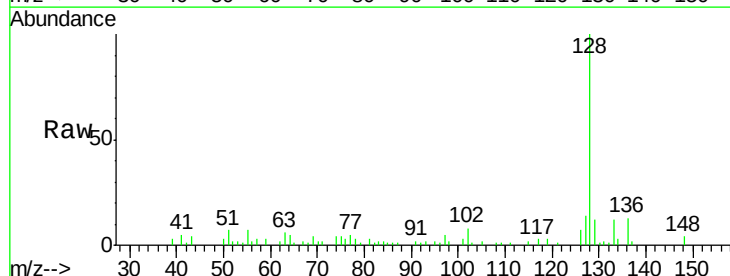
RT: 8.07 min Scan# 519

Delta R.T. 0.00 min

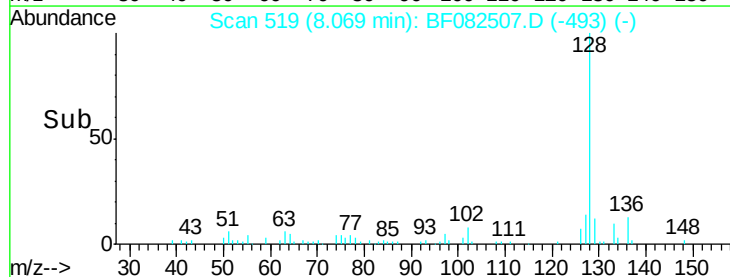
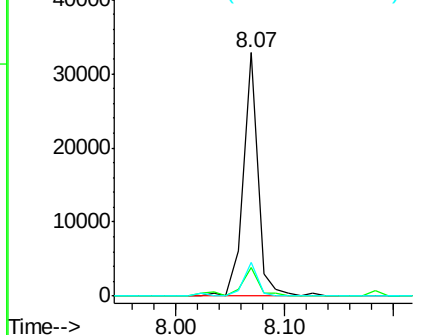
Lab File: BF082507.D

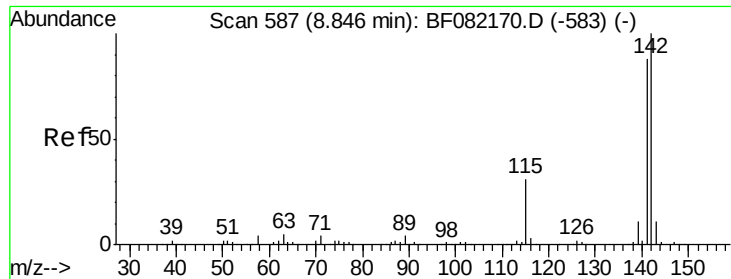
Acq: 24 Oct 2015 12:02

Tgt Ion:	128	Resp:	30133
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.1	13.7
127	13.9	10.7	16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





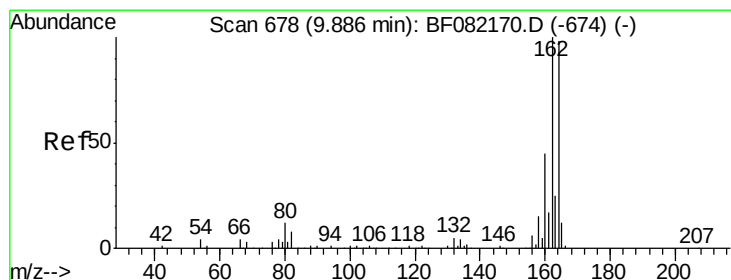
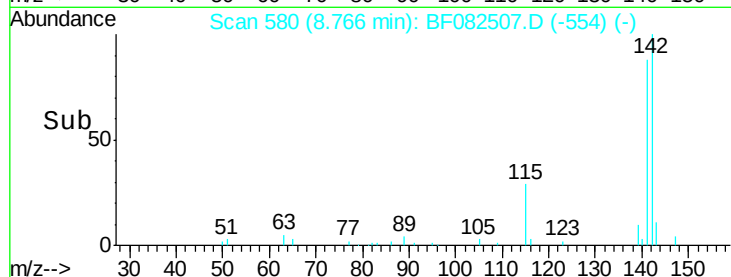
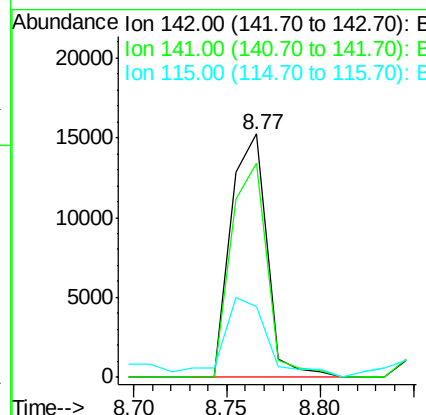
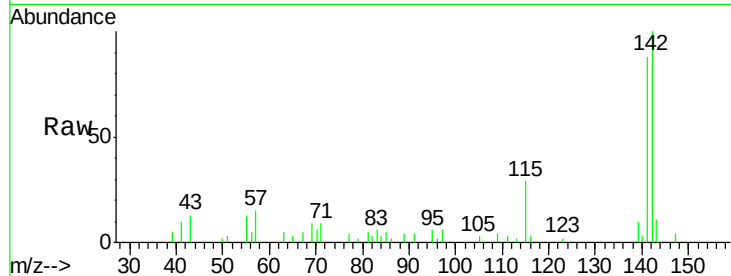
#37
 2-Methylnaphthalene
 Concen: 2.17 ng
 RT: 8.77 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF082507.D
 Acq: 24 Oct 2015 12:02

Instrument :
 BNA_F
 ClientSampleId :
 SB15-18-2.5-3DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	29.2	24.6	37.0

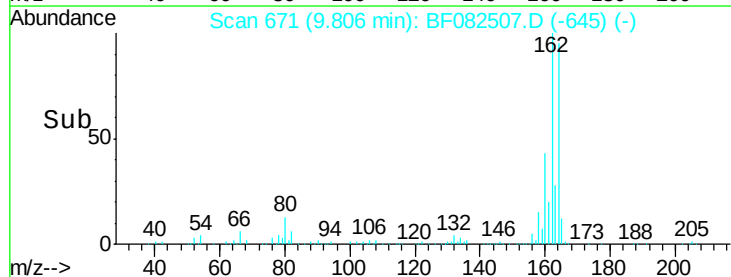
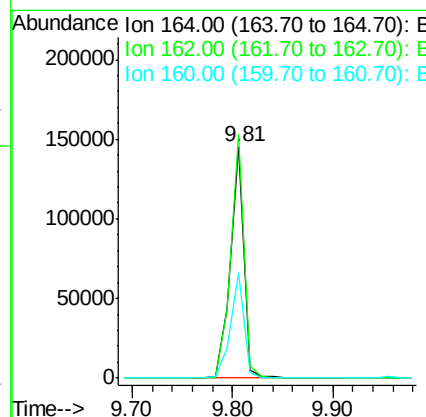
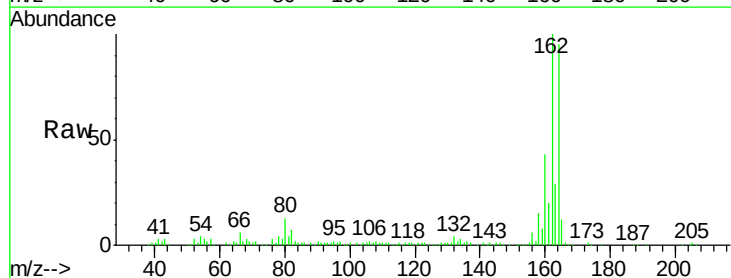
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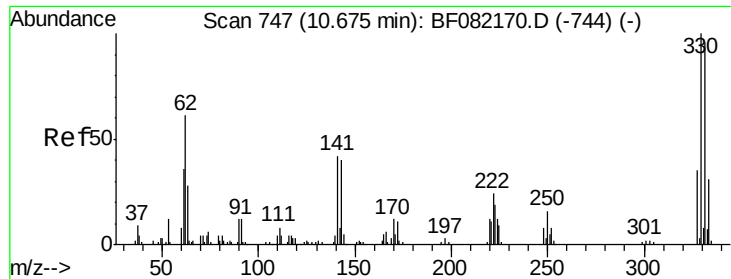
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF082507.D
 Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	81.6	122.4
160	45.8	36.4	54.6





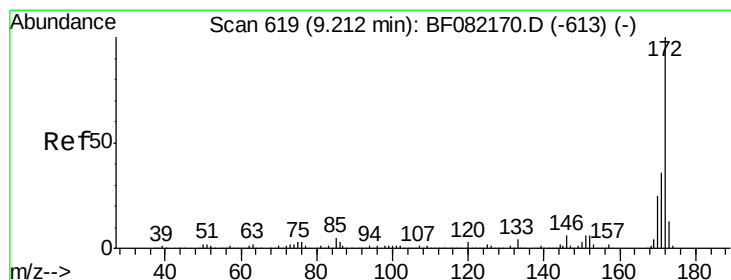
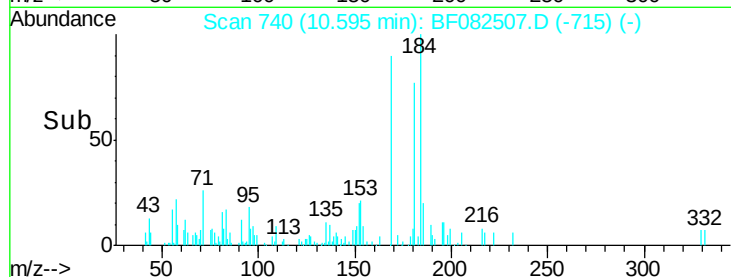
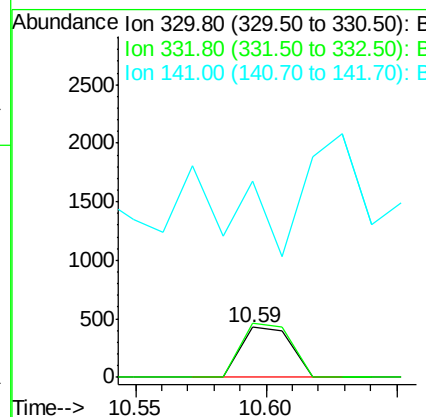
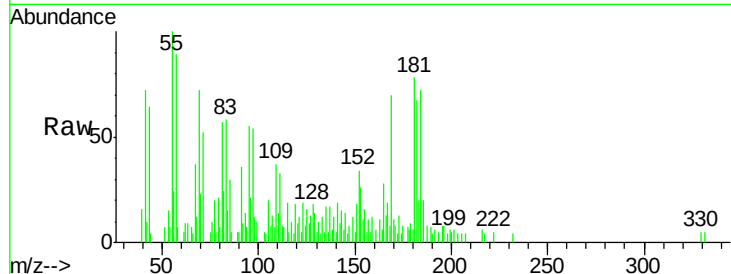
#41
 2,4,6-Tribromophenol
 Concen: 0.45 ng
 RT: 10.59 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF082507.D
 Acq: 24 Oct 2015 12:02

Instrument :
 BNA_F
 ClientSampleId :
 SB15-18-2.5-3DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	107.2	77.1	115.7
141	0.0	29.8	44.8#

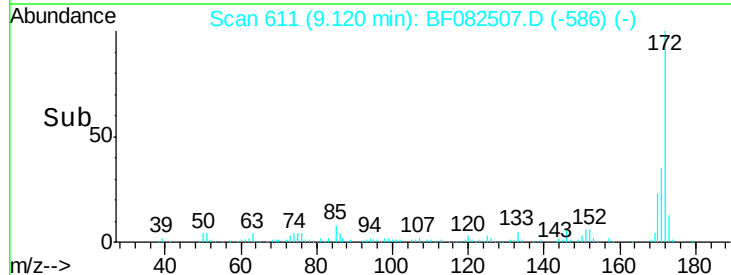
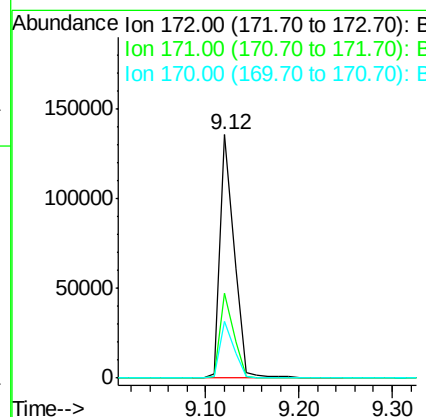
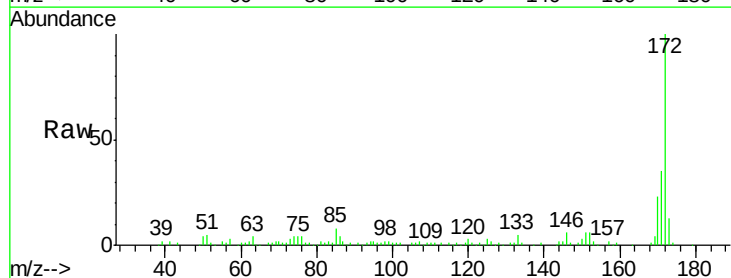
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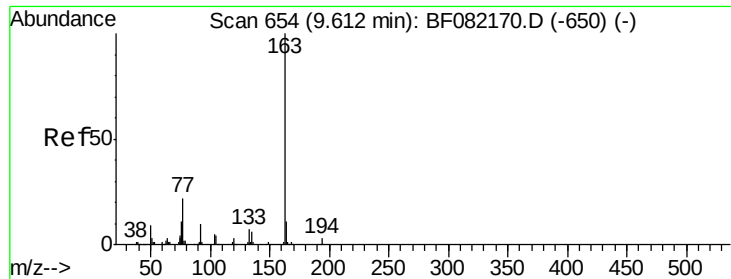
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#44
 2-Fluorobiphenyl
 Concen: 17.39 ng
 RT: 9.12 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF082507.D
 Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.4	19.7	29.5





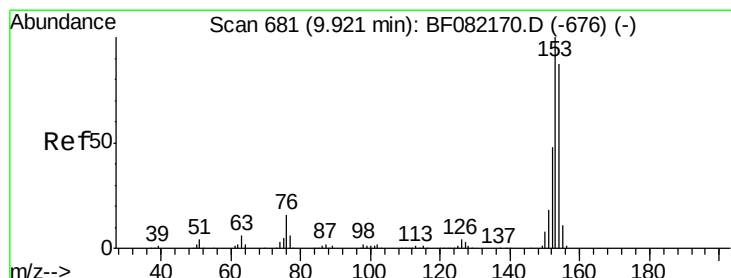
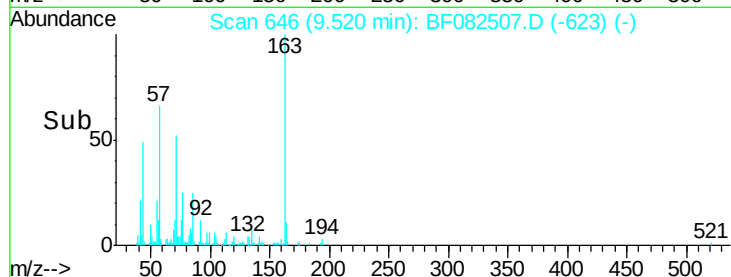
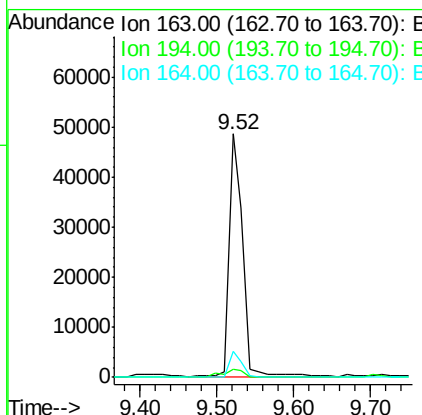
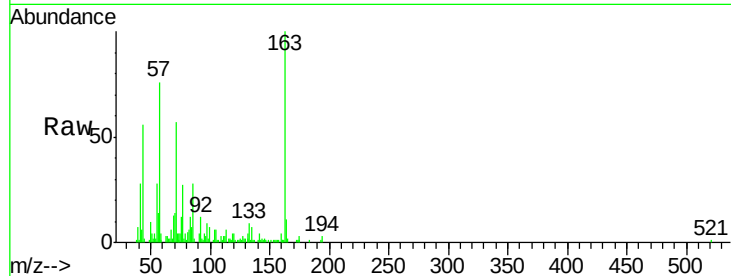
#49
Dimethylphthalate
Concen: 6.53 ng
RT: 9.52 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Instrument :
BNA_F
ClientSampleId :
SB15-18-2.5-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	62666		
194	3.2		2.6	4.0
164	10.8		8.5	12.7

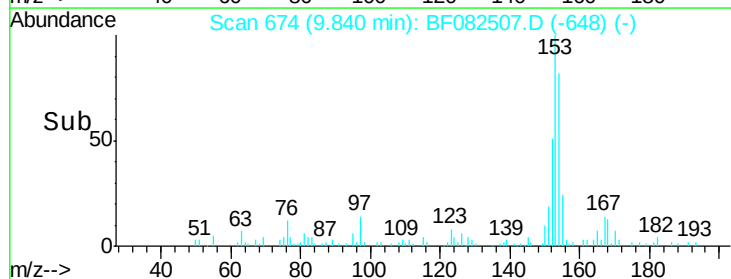
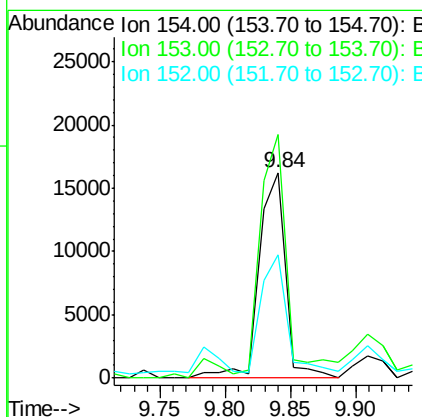
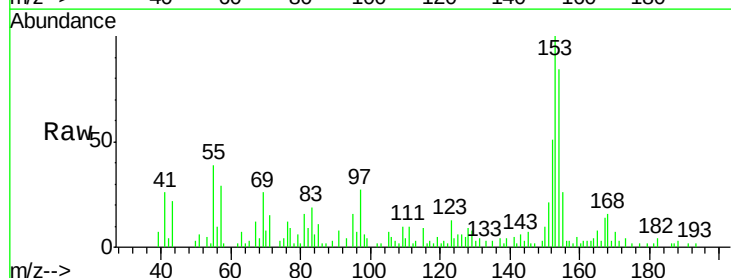
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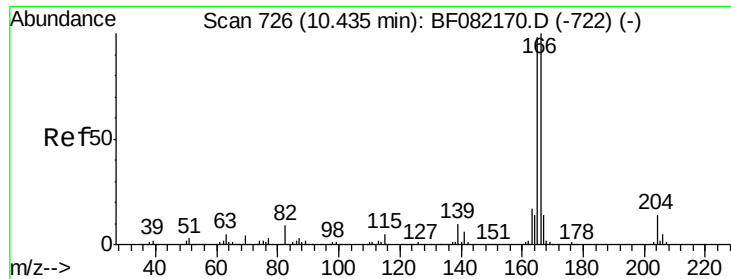
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#51
Acenaphthene
Concen: 3.02 ng
RT: 9.84 min Scan# 674
Delta R.T. 0.00 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

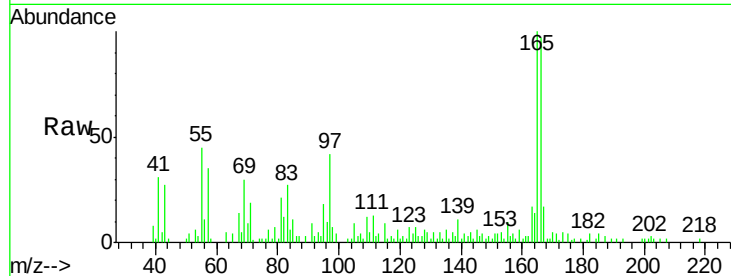
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	23115		
153	118.6		91.4	137.2
152	60.0		44.3	66.5





#57
Fluorene
Concen: 2.84 ng
RT: 10.35 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

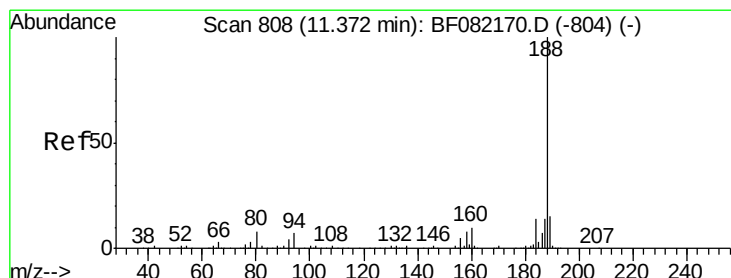
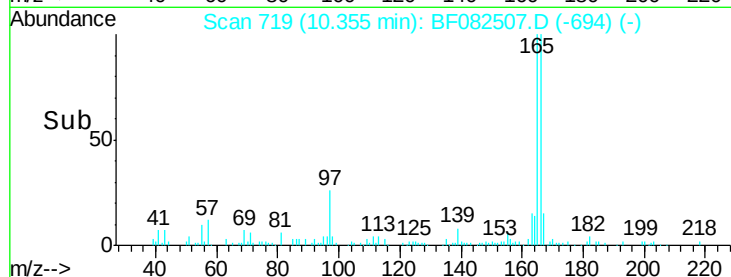
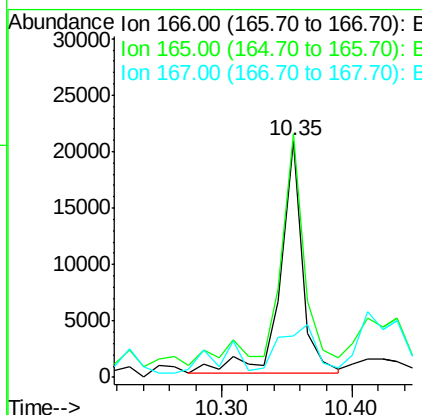
Instrument :
BNA_F
ClientSampleId :
SB15-18-2.5-3DL



Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.9	78.3	117.5
167	17.5	10.8	16.2#

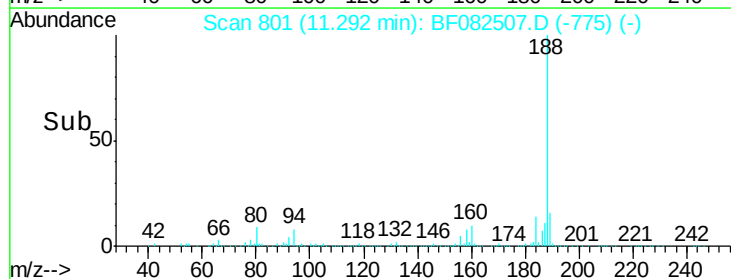
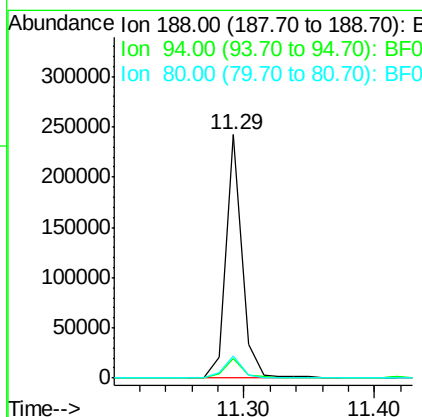
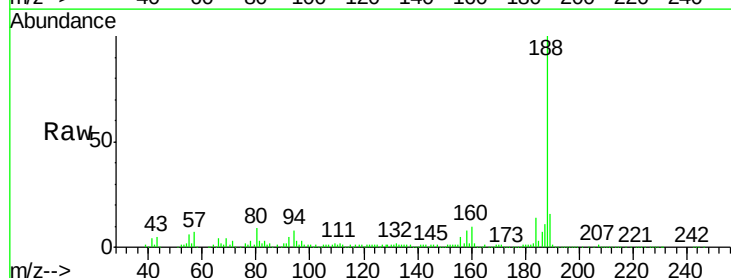
Manual Integrations
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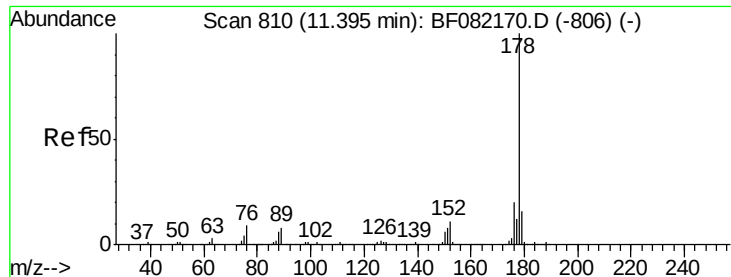
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.8	8.6
80	9.0	6.4	9.6





#70

Phenanthrene

Concen: 25.50 ng

RT: 11.31 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF082507.D

Acq: 24 Oct 2015 12:02

Instrument :

BNA_F

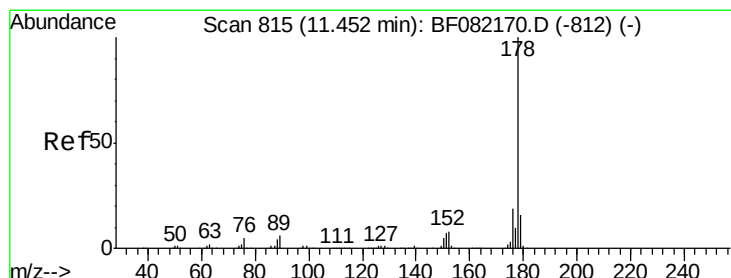
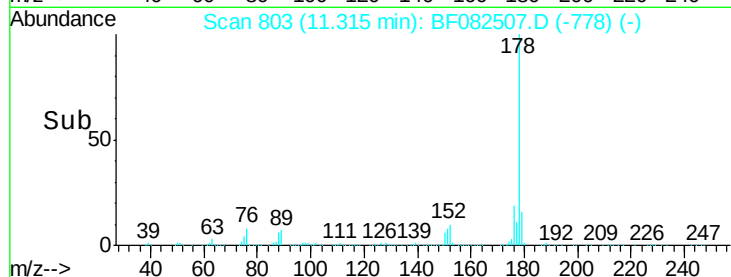
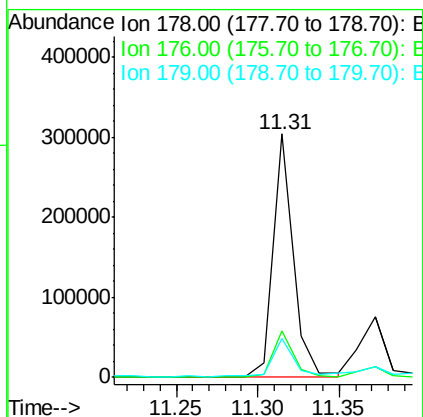
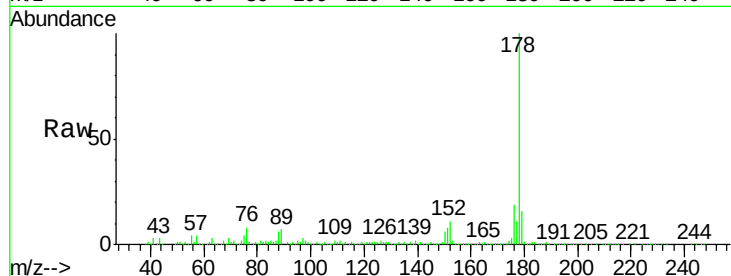
ClientSampleId :

SB15-18-2.5-3DL

Tgt Ion:	178	Resp:	262624
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.0	24.0
179	16.0	12.6	19.0

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#71

Anthracene

Concen: 8.60 ng

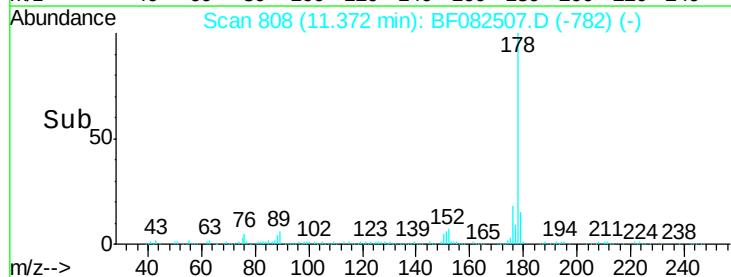
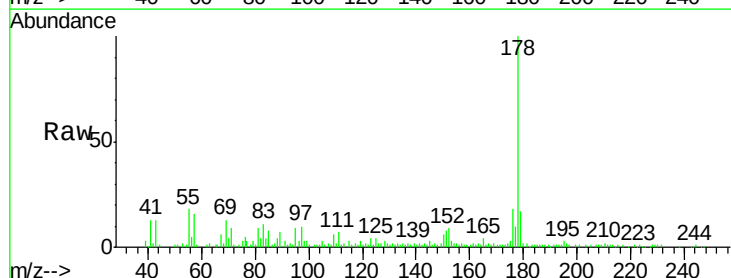
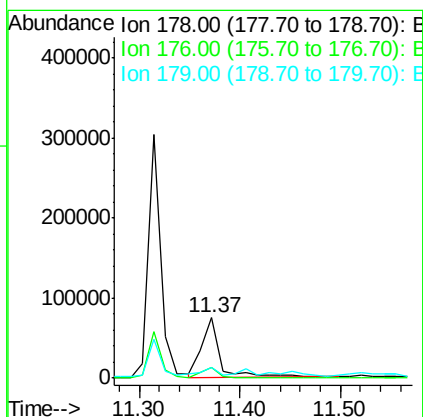
RT: 11.37 min Scan# 808

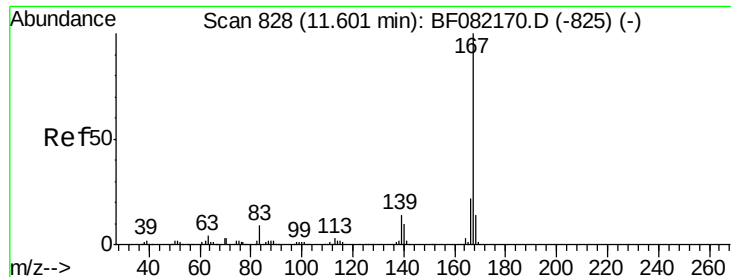
Delta R.T. 0.00 min

Lab File: BF082507.D

Acq: 24 Oct 2015 12:02

Tgt Ion:	178	Resp:	91231
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.4	23.0
179	16.6	12.5	18.7





#72

Carbazole

Concen: 2.28 ng

RT: 11.53 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF082507.D

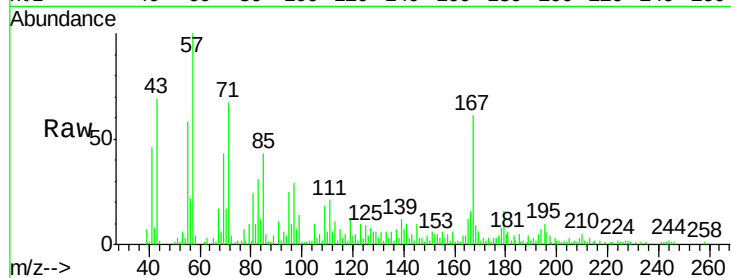
Acq: 24 Oct 2015 12:02

Instrument :

BNA_F

ClientSampleId :

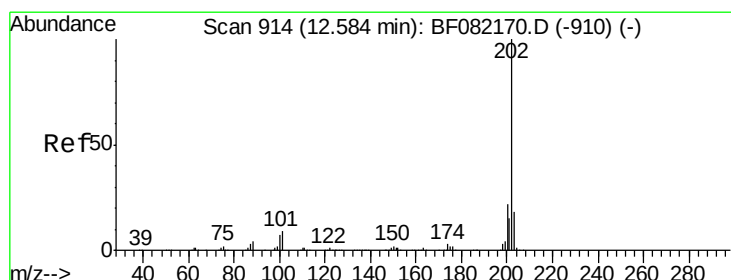
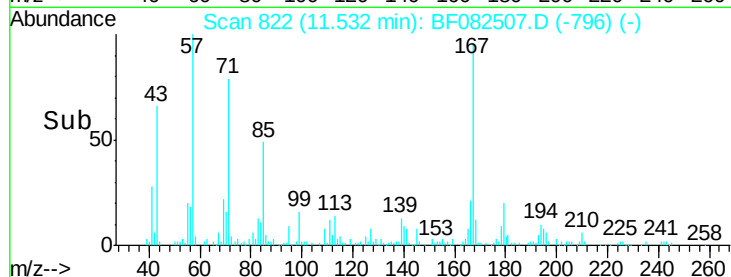
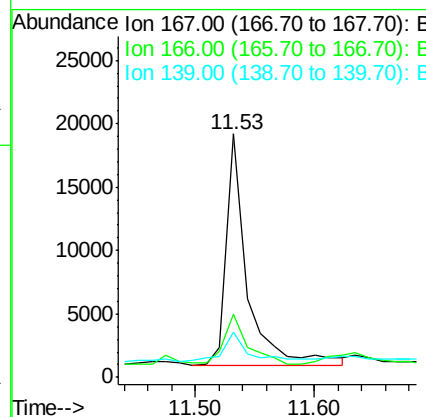
SB15-18-2.5-3DL



Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.9	17.3	25.9#
139	18.8	11.2	16.8#

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#74

Fluoranthene

Concen: 53.67 ng

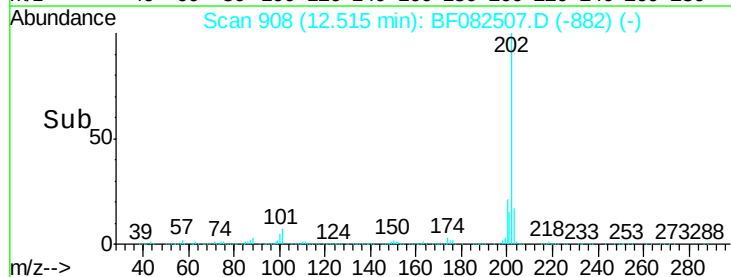
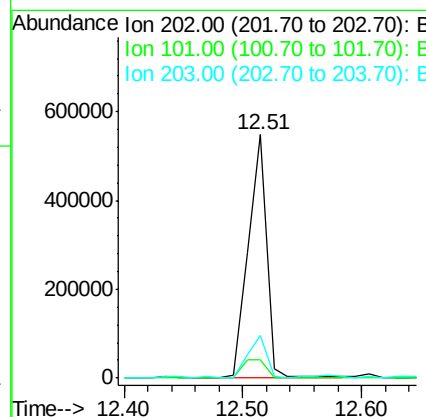
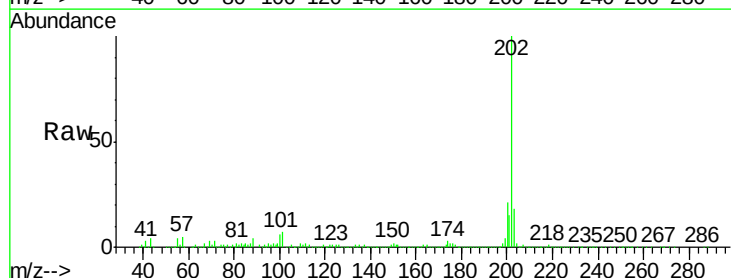
RT: 12.51 min Scan# 908

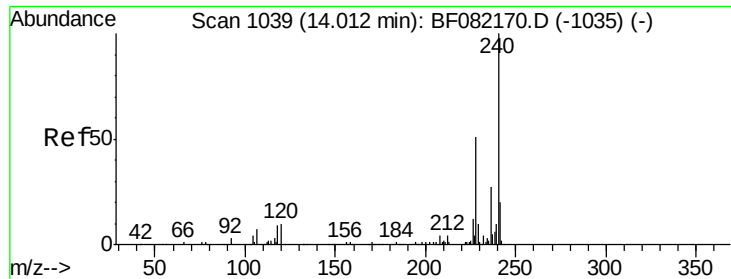
Delta R.T. 0.00 min

Lab File: BF082507.D

Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	29.3
203	17.7	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1034

Delta R.T. -0.08 min

Lab File: BF082507.D

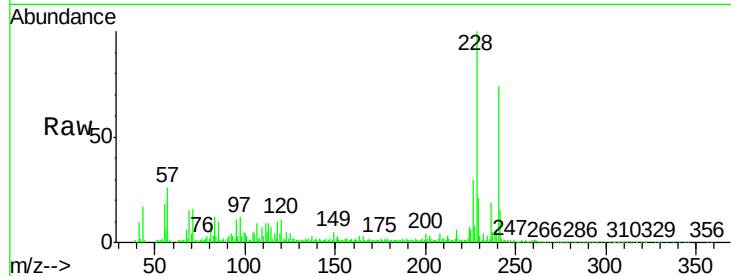
Acq: 24 Oct 2015 12:02

Instrument :

BNA_F

ClientSampleId :

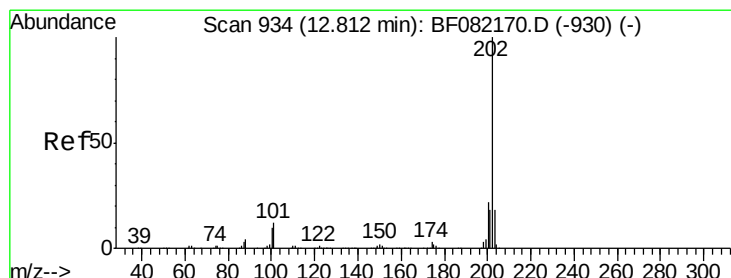
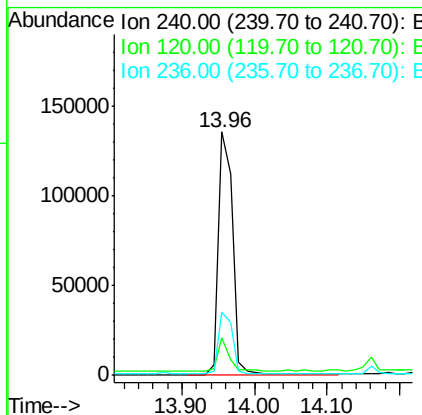
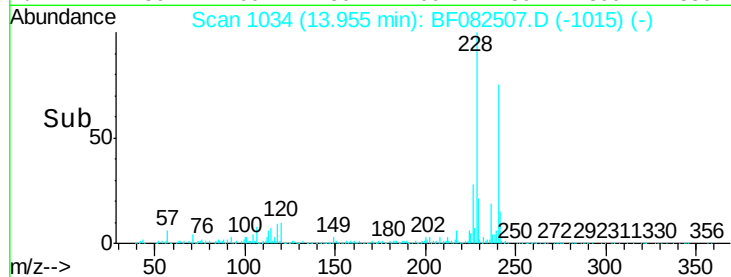
SB15-18-2.5-3DL



Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.4	8.1	12.1#	
236	25.9	21.3	31.9	

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#77

Pyrene

Concen: 47.82 ng

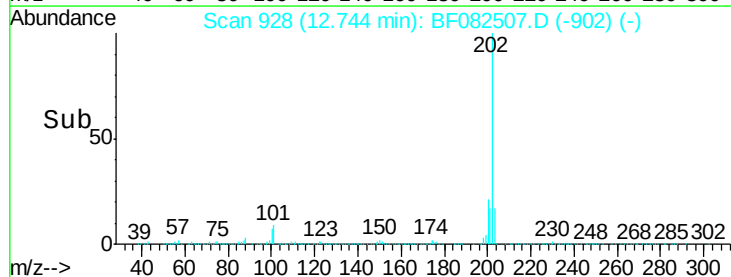
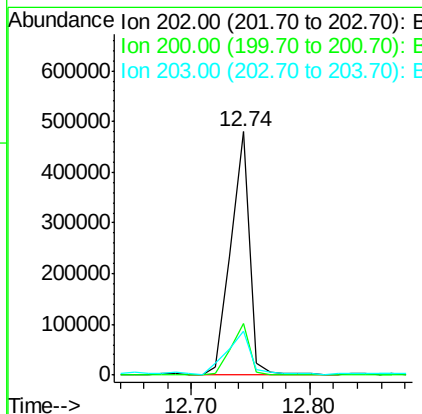
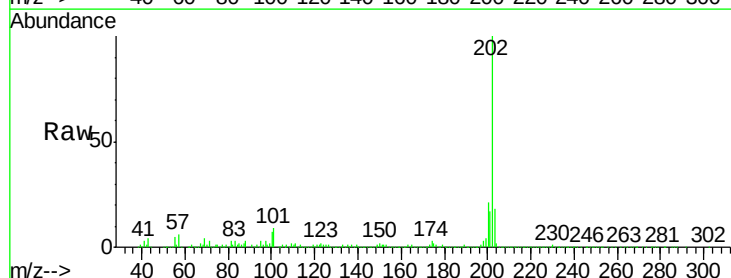
RT: 12.74 min Scan# 928

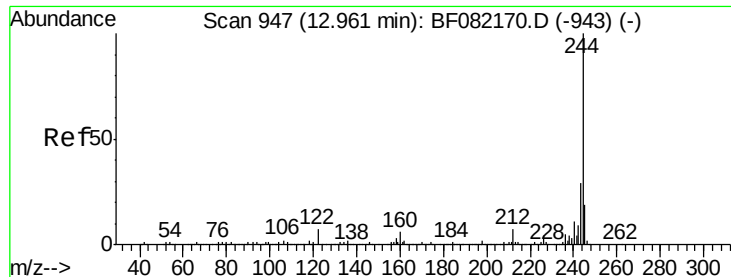
Delta R.T. 0.00 min

Lab File: BF082507.D

Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.9	26.9	
203	17.9	14.5	21.7	





#78

Terphenyl-d14

Concen: 15.29 ng

RT: 12.88 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF082507.D

Acq: 24 Oct 2015 12:02

Instrument :

BNA_F

ClientSampleId :

SB15-18-2.5-3DL

Tgt Ion:244 Resp: 105678

Ion Ratio Lower Upper

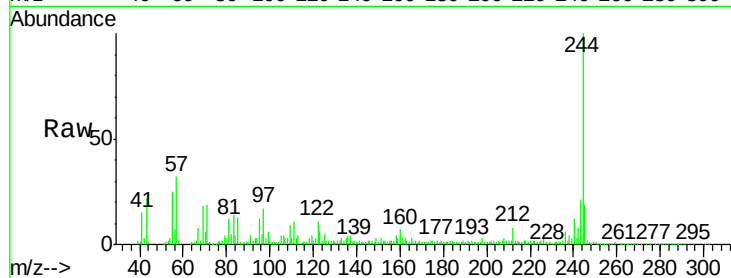
244 100

212 7.6 5.8 8.6

122 10.8 5.9 8.9#

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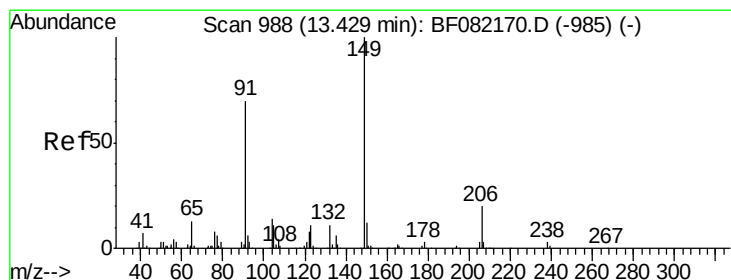
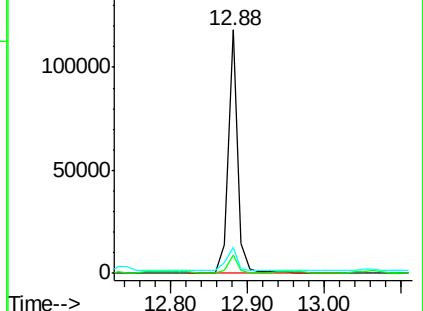
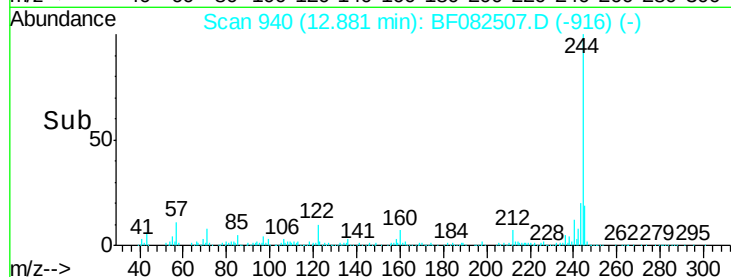
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 2.28 ng

RT: 13.36 min Scan# 982

Delta R.T. -0.05 min

Lab File: BF082507.D

Acq: 24 Oct 2015 12:02

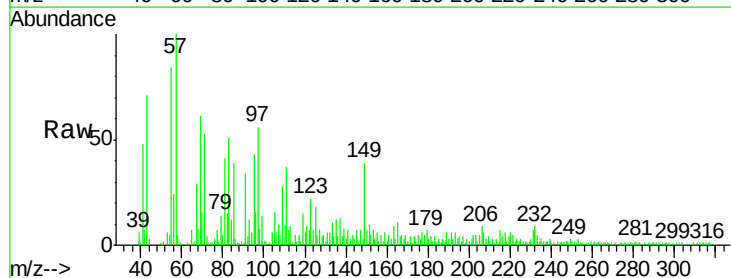
Tgt Ion:149 Resp: 11314

Ion Ratio Lower Upper

149 100

91 86.6 55.7 83.5#

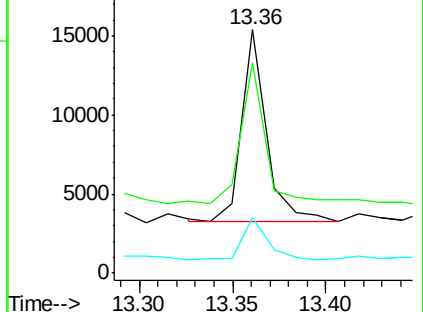
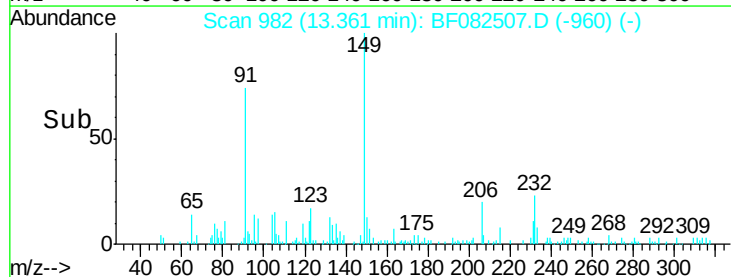
206 22.5 15.6 23.4

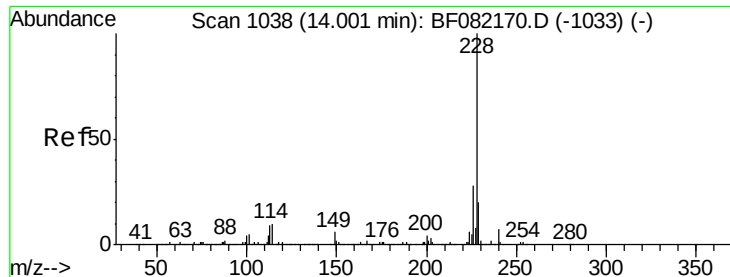


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





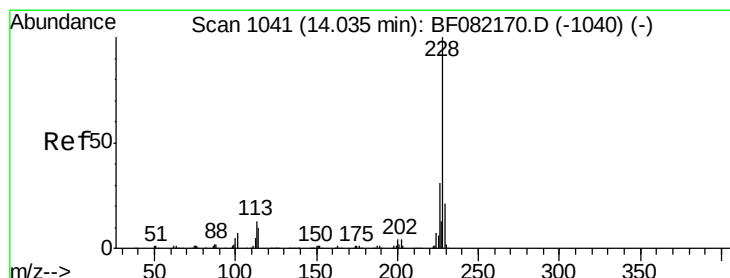
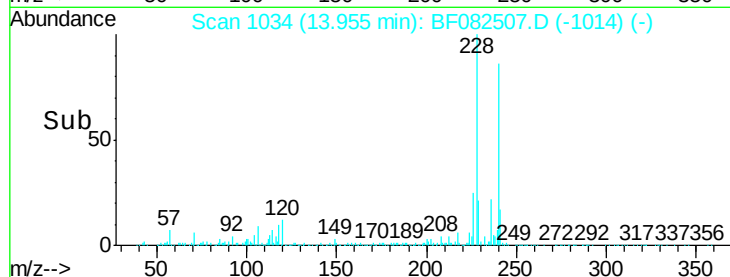
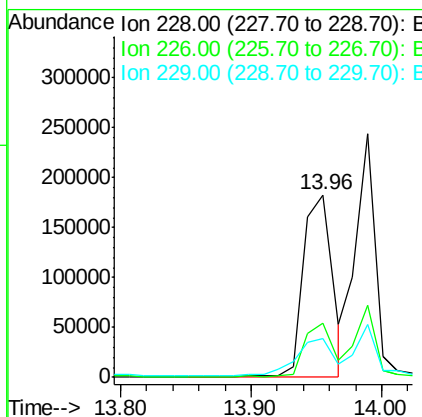
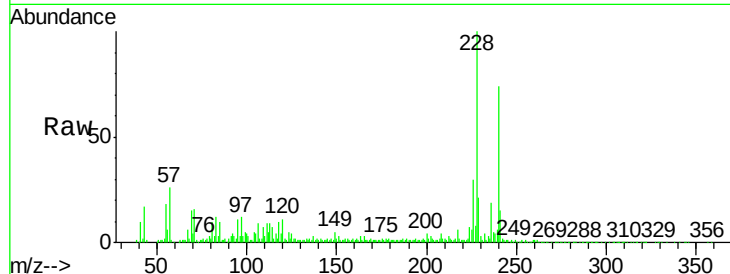
#80
Benzo(a)anthracene
Concen: 29.33 ng
RT: 13.96 min Scan# 1034
Delta R.T. -0.07 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Instrument :
BNA_F
ClientSampleId :
SB15-18-2.5-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	279491		
226	30.1		22.3	33.5
229	21.4		16.2	24.2

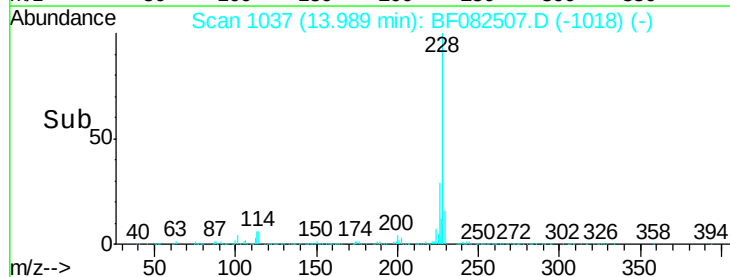
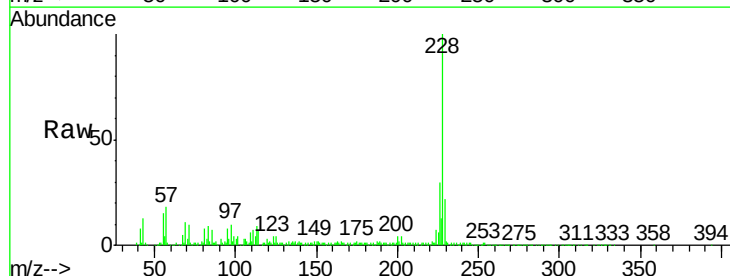
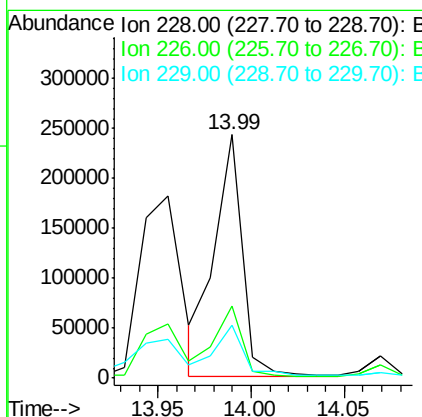
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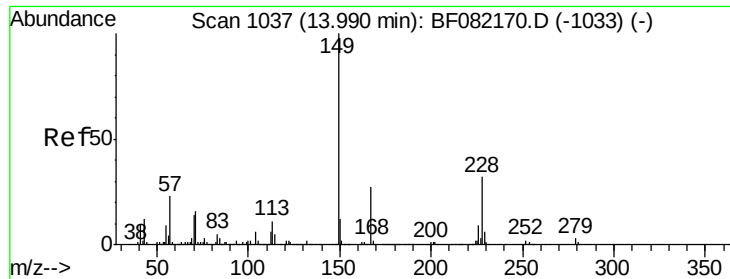
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#82
Chrysene
Concen: 25.41 ng
RT: 13.99 min Scan# 1037
Delta R.T. -0.08 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	255147		
226	29.8		24.4	36.6
229	21.7		16.3	24.5





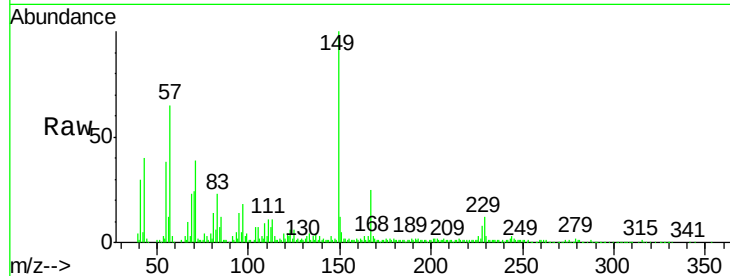
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 23.70 ng
 RT: 13.93 min Scan# 1032
 Delta R.T. -0.08 min
 Lab File: BF082507.D
 Acq: 24 Oct 2015 12:02

Instrument :
 BNA_F
 ClientSampleId :
 SB15-18-2.5-3DL

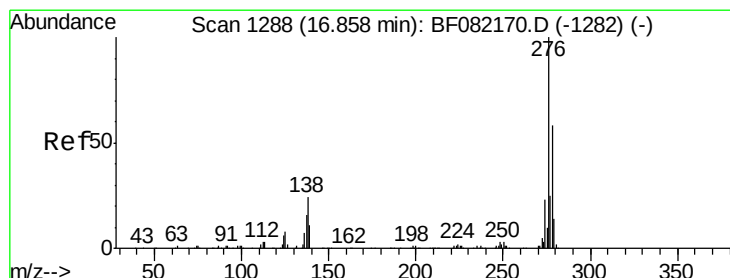
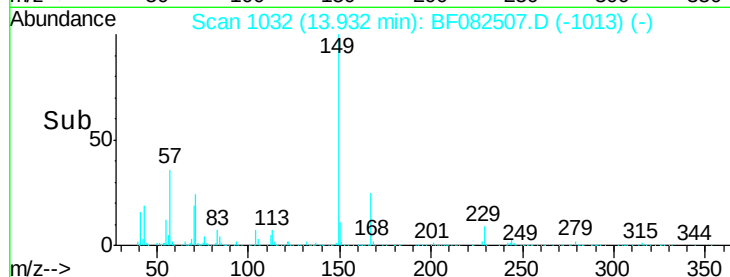
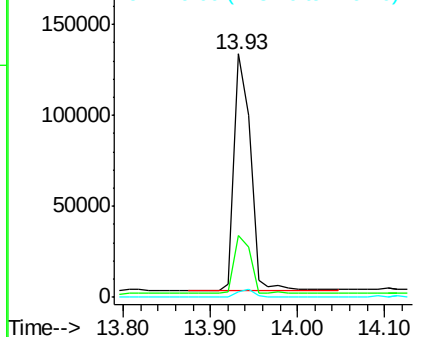
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	167694		
167	25.2	21.3	31.9	
279	2.1	2.6	4.0	

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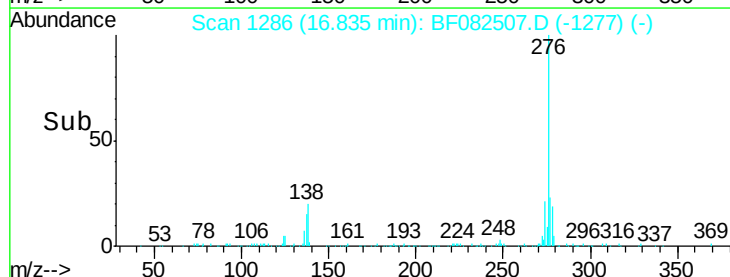
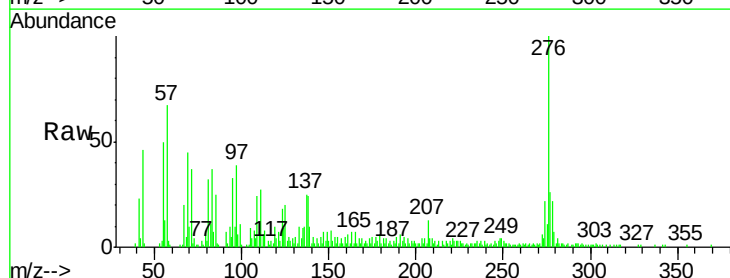
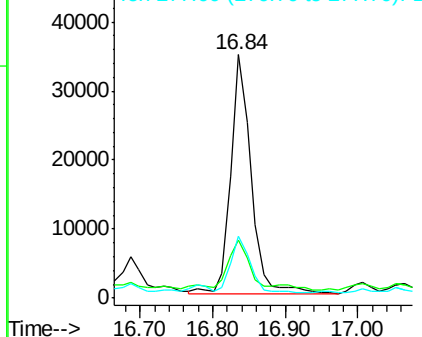
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

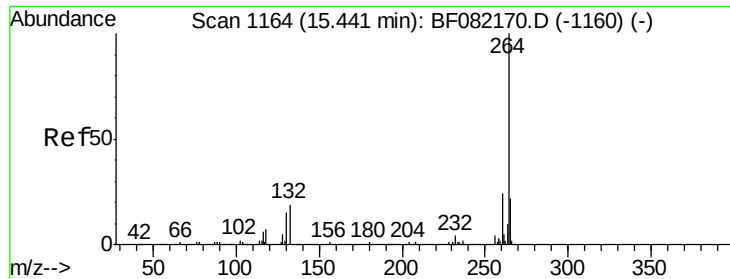


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.43 ng
 RT: 16.84 min Scan# 1286
 Delta R.T. -0.19 min
 Lab File: BF082507.D
 Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	67282		
138	20.6	19.7	29.5	
277	23.0	20.1	30.1	

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





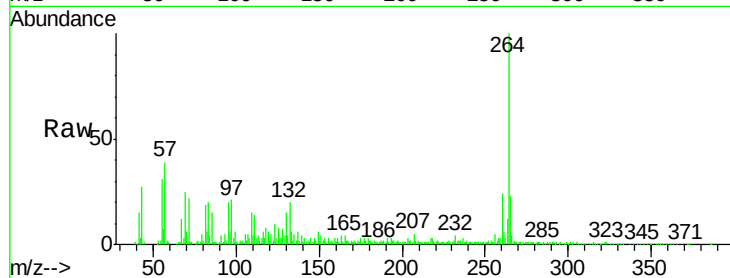
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.18 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Instrument :
BNA_F
ClientSampleId :
SB15-18-2.5-3DL

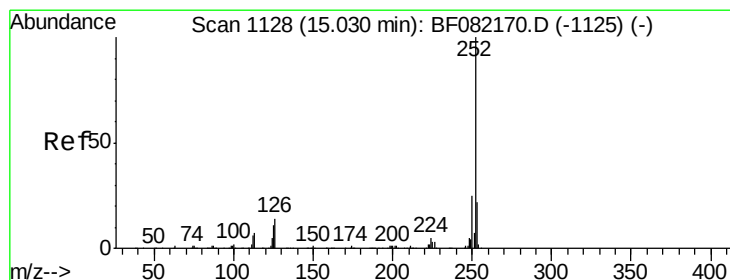
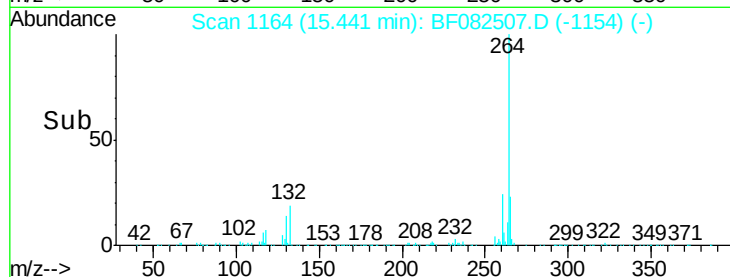
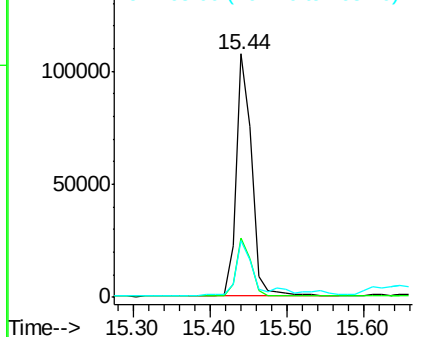
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	152646		
260	24.4	19.0	28.6	
265	23.3	17.3	25.9	

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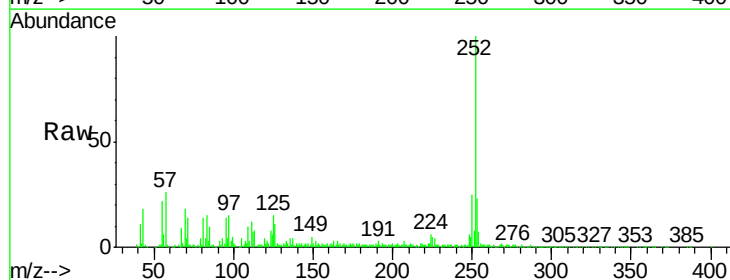


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

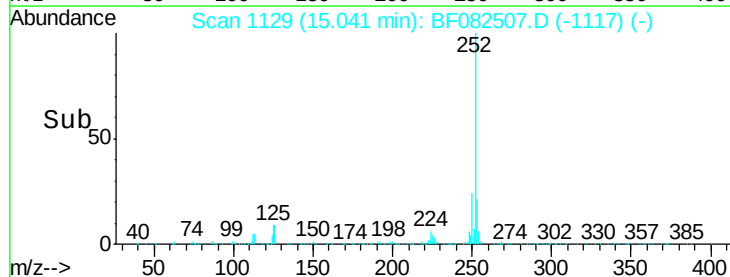
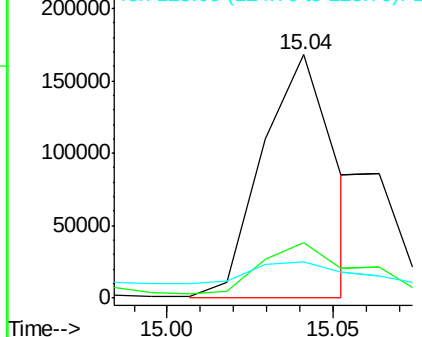


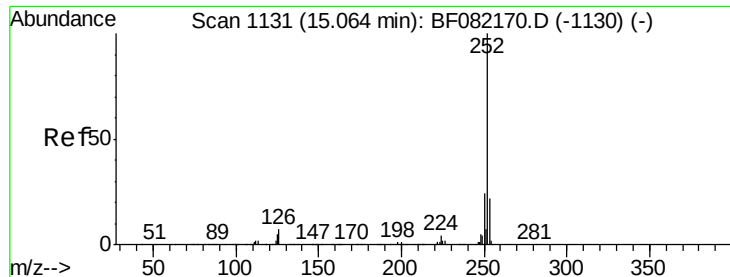
#87
Benzo(b)fluoranthene
Concen: 27.61 ng m
RT: 15.04 min Scan# 1129
Delta R.T. -0.16 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	256457		
253	22.6	18.0	27.0	
125	14.7	8.6	12.8#	



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





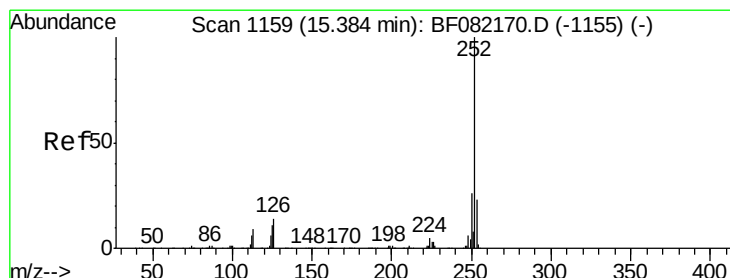
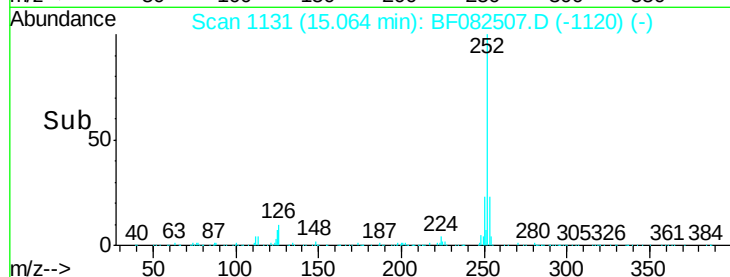
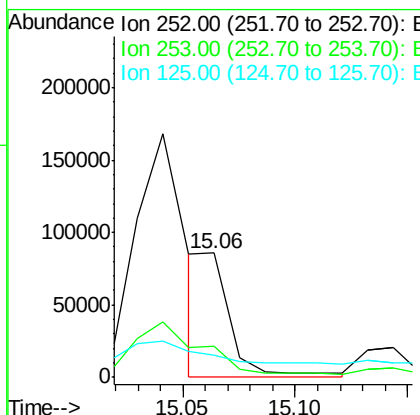
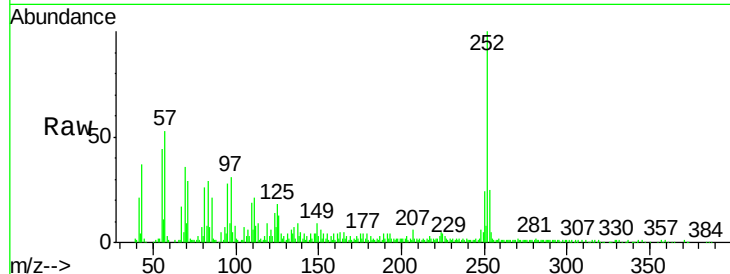
#88
Benzo(k)fluoranthene
Concen: 9.75 ng m
RT: 15.06 min Scan# 1131
Delta R.T. -0.17 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Instrument :
BNA_F
ClientSampleId :
SB15-18-2.5-3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	18.3	6.7	10.1

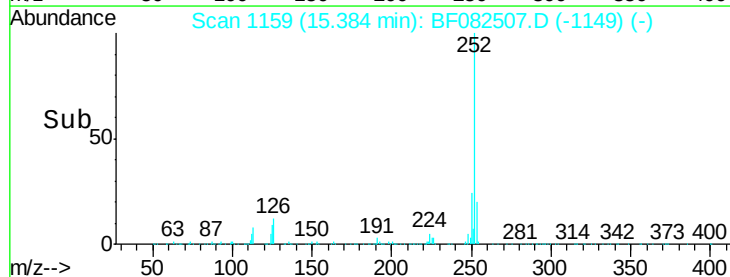
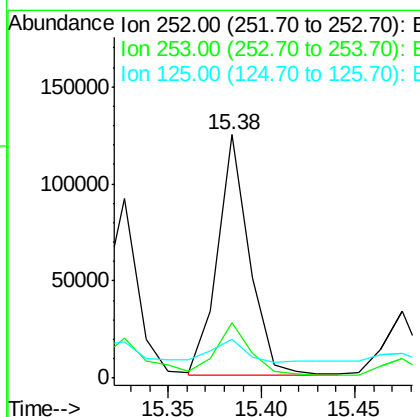
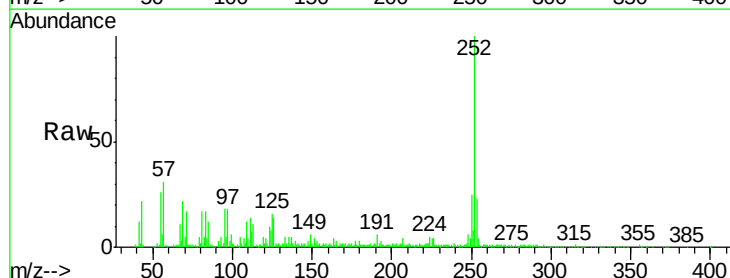
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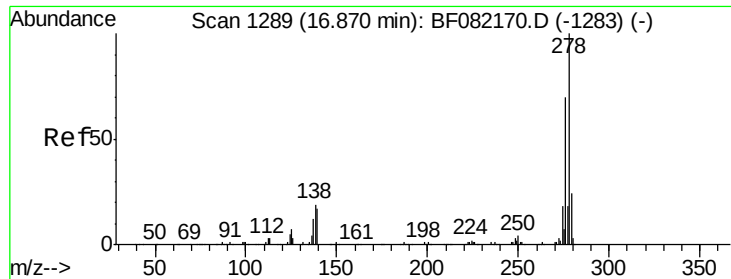
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#89
Benzo(a)pyrene
Concen: 18.67 ng
RT: 15.38 min Scan# 1159
Delta R.T. -0.18 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	16.2	8.9	13.3





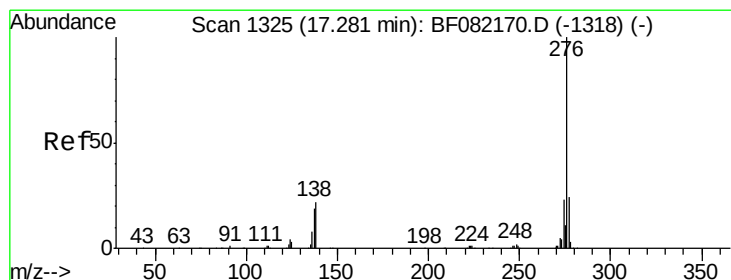
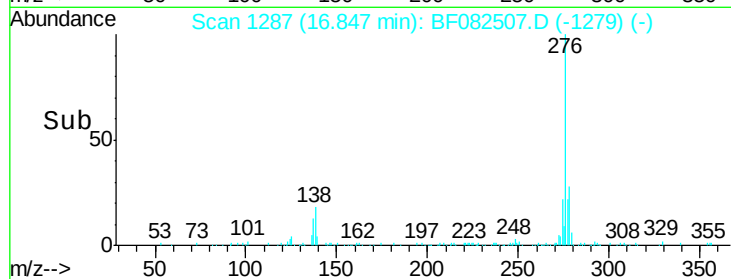
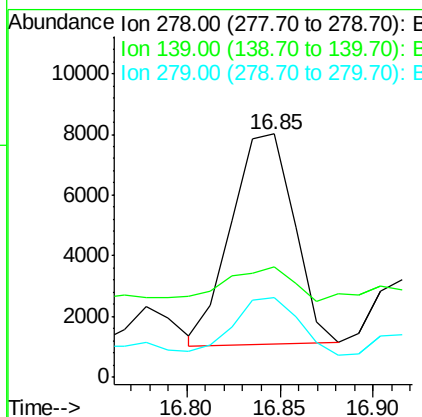
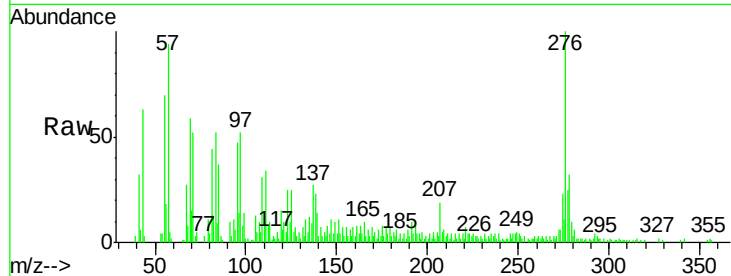
#90
Dibenzo(a,h)anthracene
Concen: 2.48 ng
RT: 16.85 min Scan# 1287
Delta R.T. -0.21 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Instrument :
BNA_F
ClientSampleId :
SB15-18-2.5-3DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	45.4	13.3	19.9#
279	32.5	18.9	28.3#

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:22:57 PM



#91
Benzo(g,h,i)perylene
Concen: 9.33 ng
RT: 17.26 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF082507.D
Acq: 24 Oct 2015 12:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.8	28.2
138	25.1	17.4	26.2

