

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
 Data File : BF081535.D
 Acq On : 8 Sep 2015 21:54
 Operator : UM/IZ
 Sample : G3555-12DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2DL

Manual Integrations
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Quant Time: Sep 09 02:56:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 23:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	46246	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	186729	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	80527	20.00	ng	-0.01
63) Phenanthrene-d10	10.83	188	143072	20.00	ng	-0.01
75) Chrysene-d12	13.44	240	98007	20.00	ng	-0.01
86) Perylene-d12	14.75	264	93289	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.88	112	77024	25.84	ng	0.00
7) Phenol-d6	6.01	99	109914	27.86	ng	-0.01
23) Nitrobenzene-d5	6.92	82	63355	16.37	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	15713	21.91	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	108141	17.21	ng	0.00
78) Terphenyl-d14	12.42	244	68194	16.20	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.12	163	29563	4.73	ng	# 97
51) Acenaphthene	9.40	154	11296	2.09	ng	91
70) Phenanthrene	10.86	178	224282	28.20	ng	97
71) Anthracene	10.91	178	53116	6.50	ng	100
74) Fluoranthene	12.03	202	214515	24.91	ng	89
77) Pyrene	12.25	202	189467m	26.10	ng	
80) Benzo(a)anthracene	13.44	228	78461	12.57	ng	96
82) Chrysene	13.47	228	61960m	11.07	ng	
85) Indeno(1,2,3-cd)pyrene	15.82	276	30103	7.33	ng	# 80
87) Benzo(b)fluoranthene	14.43	252	65338m	9.81	ng	
88) Benzo(k)fluoranthene	14.43	252	31886m	5.77	ng	
89) Benzo(a)pyrene	14.71	252	55474	9.83	ng	# 83
91) Benzo(g,h,i)perylene	16.13	276	25360	6.09	ng	# 74

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

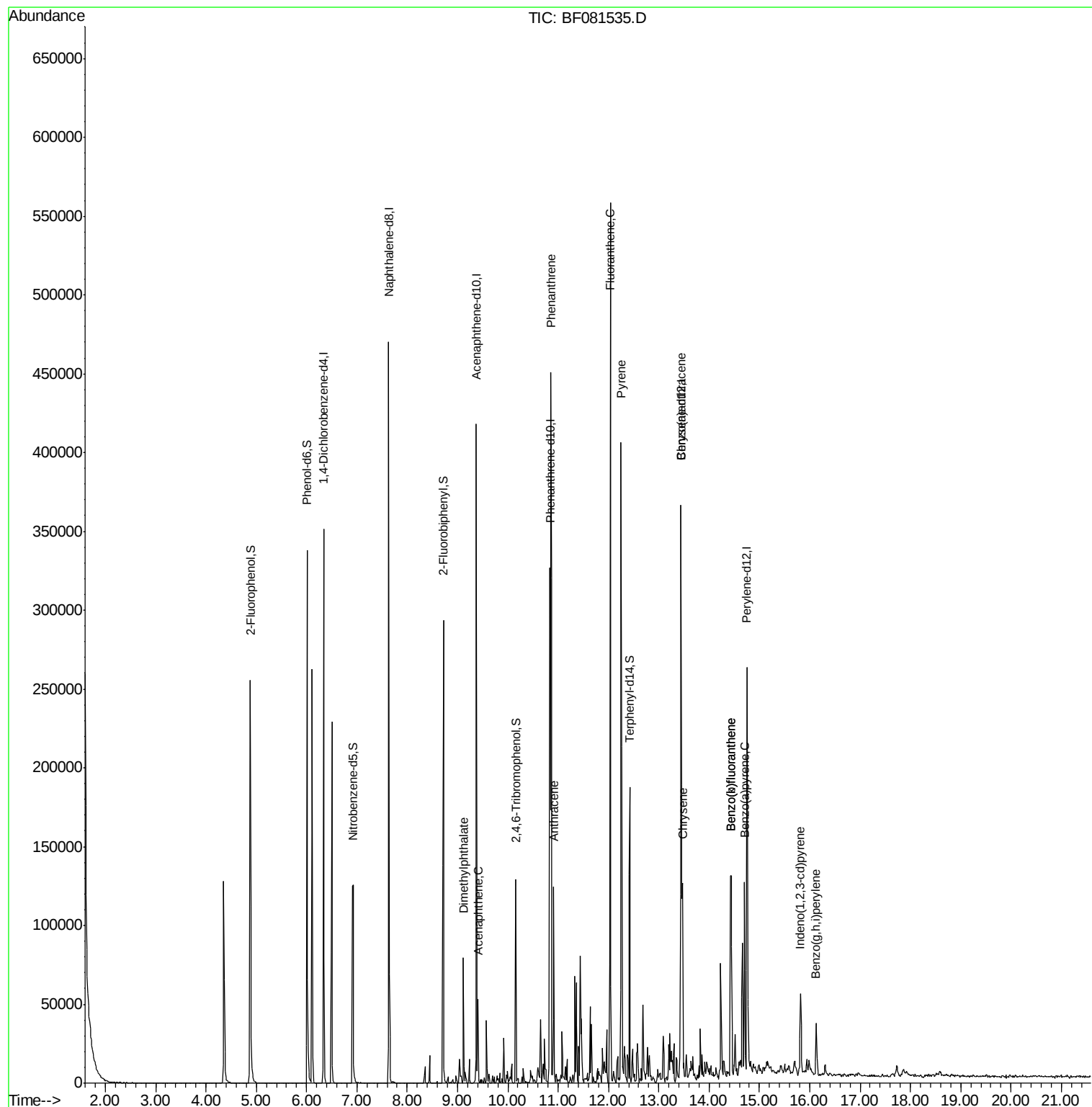
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF081535.D

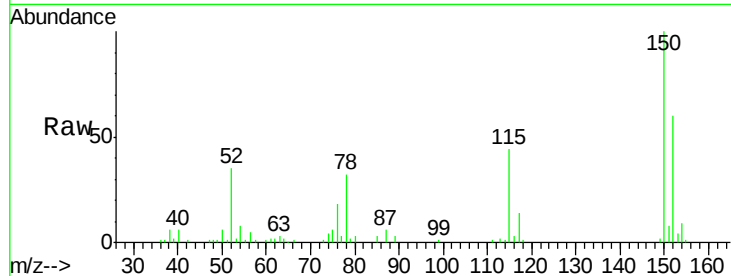
Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

ClientSampleId :

COMP-2DL



Tgt Ion:152 Resp: 46246

Ion Ratio Lower Upper

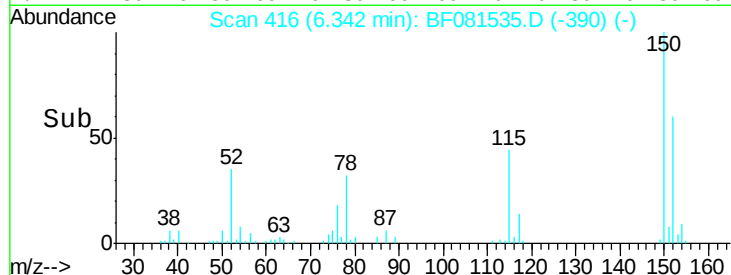
152 100

150 166.5 124.7 187.1

115 72.4 39.0 58.4#

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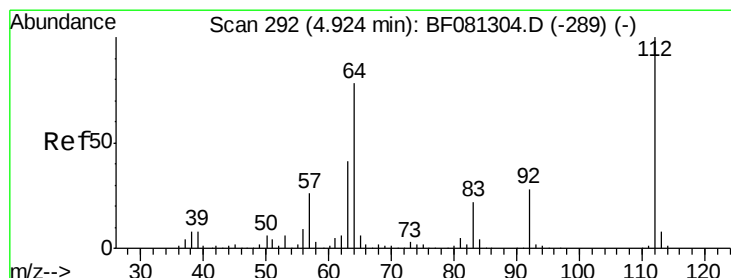
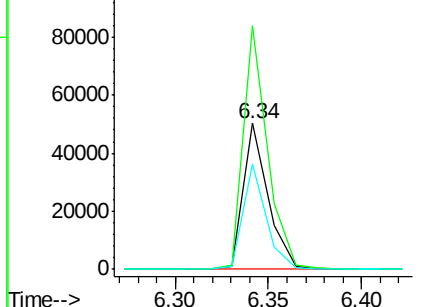
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 25.84 ng

RT: 4.88 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

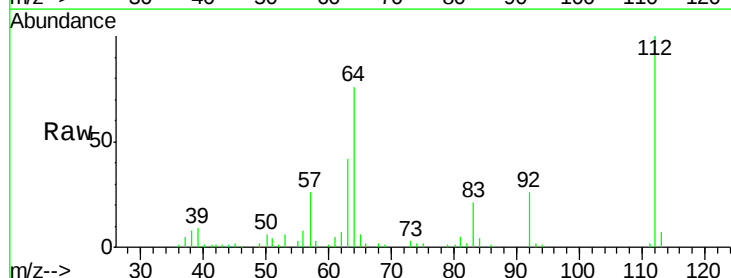
Tgt Ion:112 Resp: 77024

Ion Ratio Lower Upper

112 100

64 76.3 39.7 59.5#

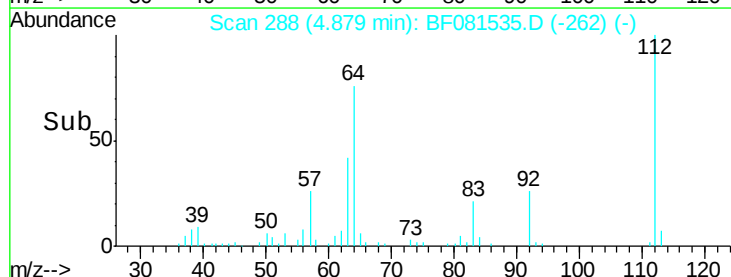
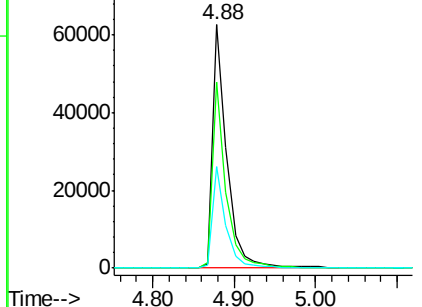
63 41.9 17.4 26.0#



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: 27.86 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

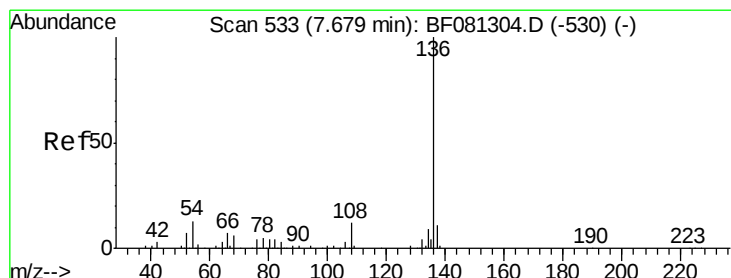
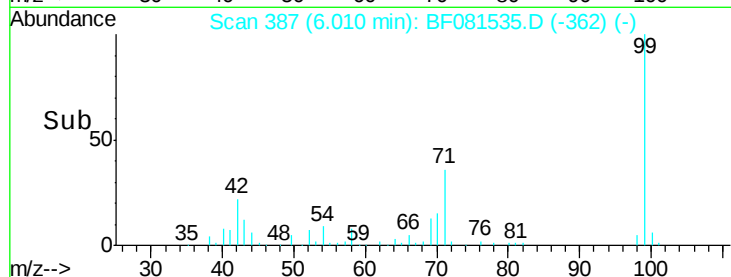
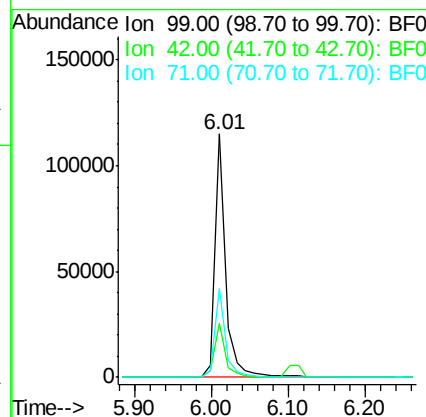
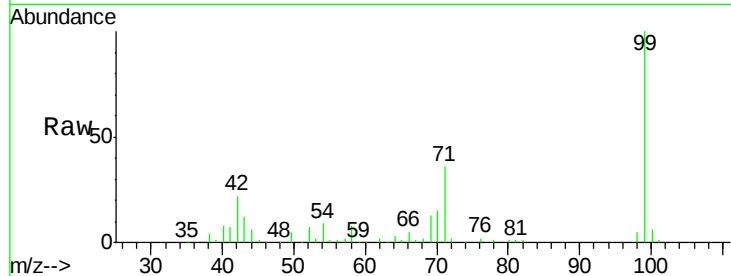
ClientSampleId :

COMP-2DL

Tgt Ion:	99	Resp:	109914
Ion Ratio	Lower	Upper	
99	100		
42	22.2	13.7	20.5#
71	36.3	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

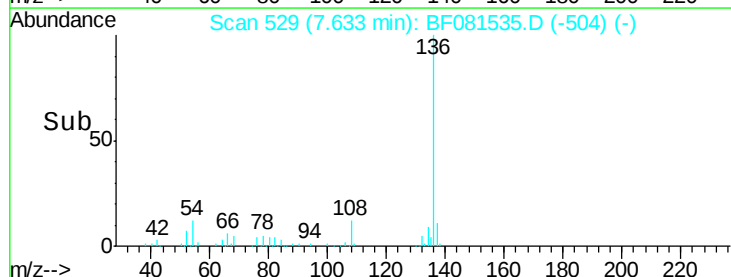
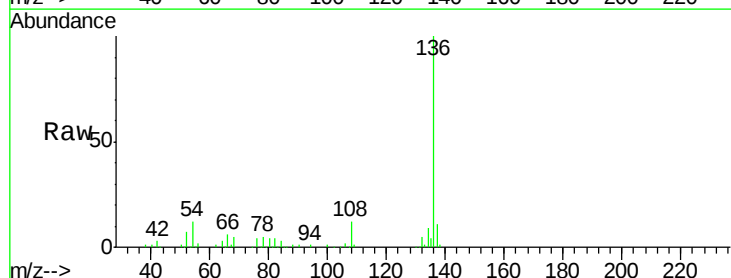
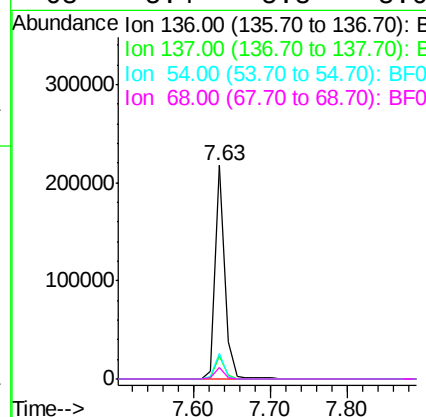
RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Tgt Ion:	136	Resp:	186729
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.6
54	12.1	8.2	12.2
68	5.4	5.8	8.6#





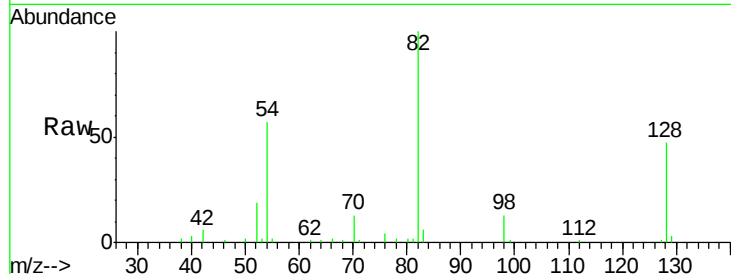
#23
 Nitrobenzene-d5
 Concen: 16.37 ng
 RT: 6.92 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2DL

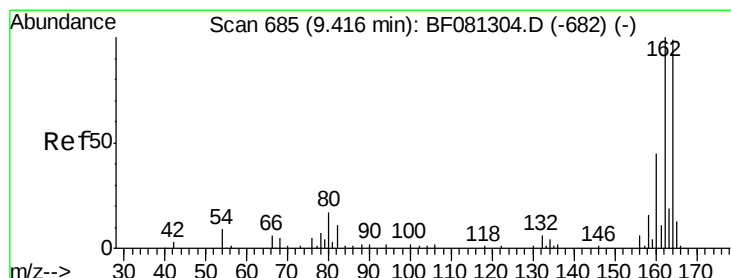
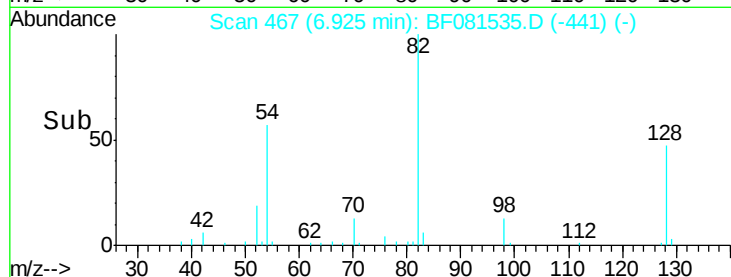
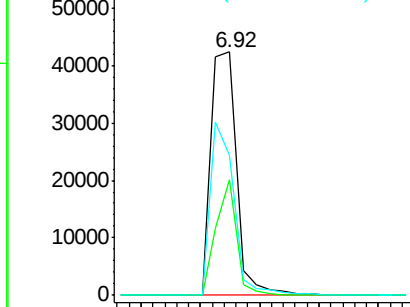
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.5	51.0	76.6#
54	57.4	47.5	71.3

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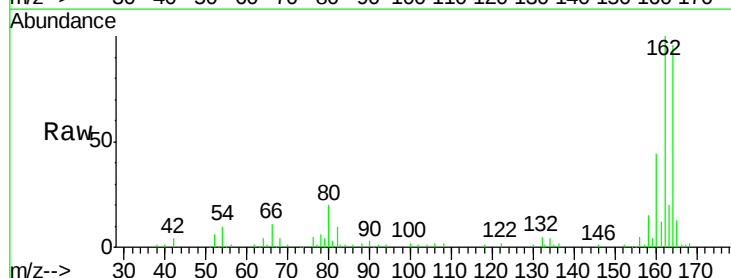


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

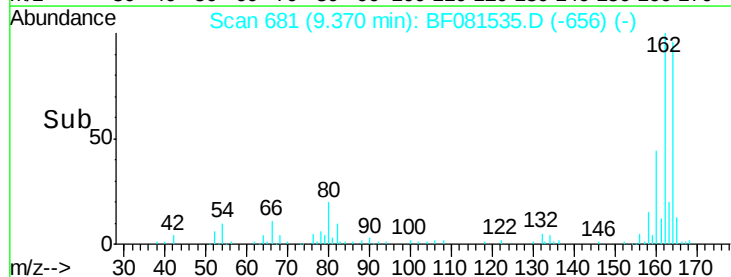
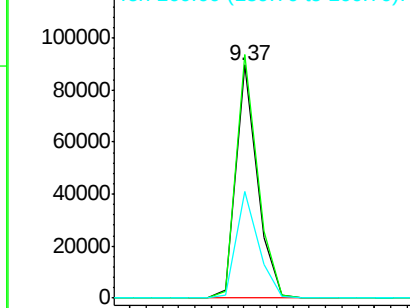


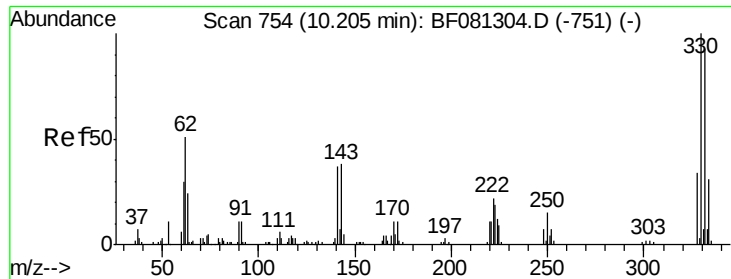
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.37 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	75.2	112.8
160	46.1	31.5	47.3



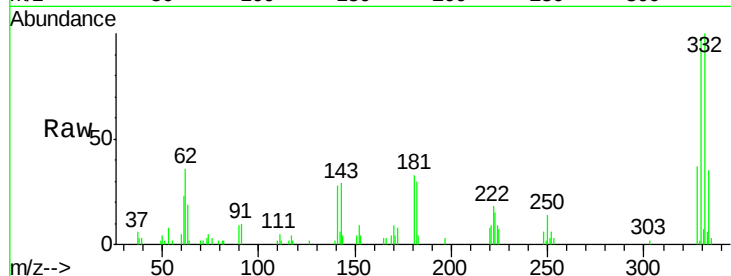
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#41
 2,4,6-Tribromophenol
 Concen: 21.91 ng
 RT: 10.16 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

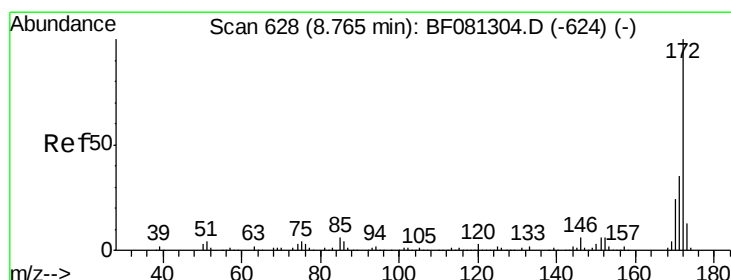
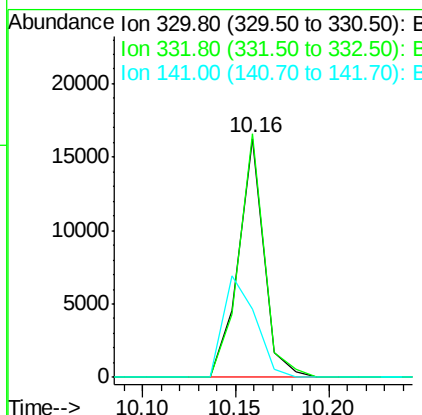
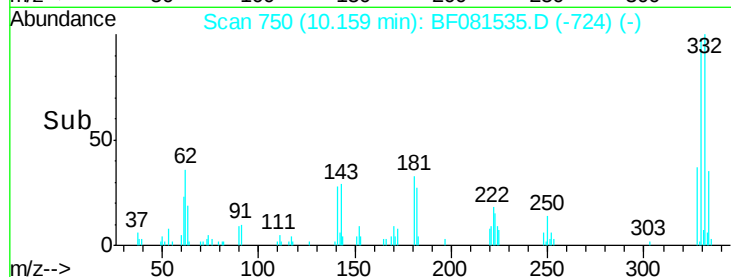
Instrument :
 BNA_F
 ClientSampleId :
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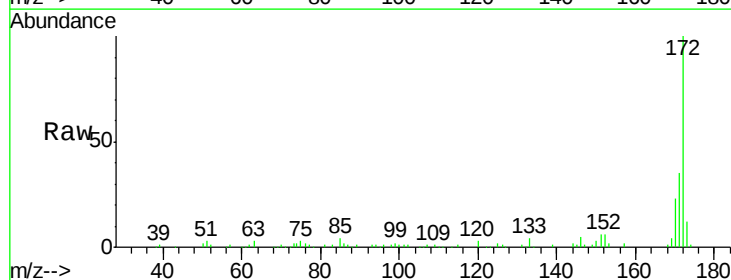
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	15713		
332	101.2	76.6	114.8	
141	53.0	29.7	44.5#	

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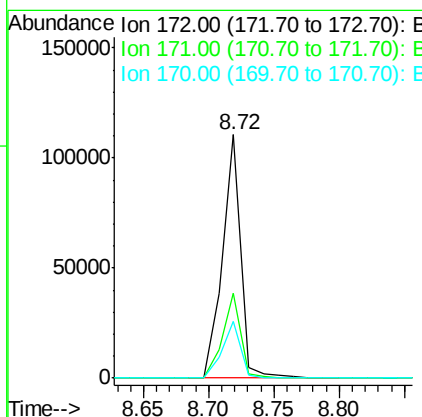
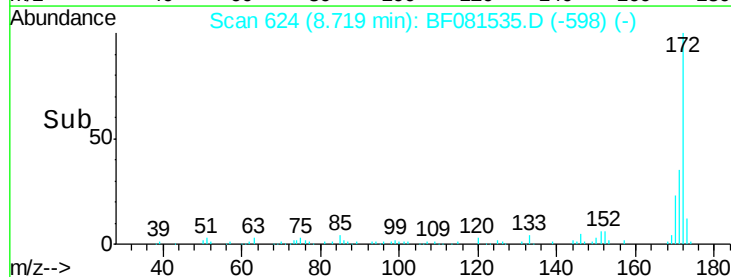
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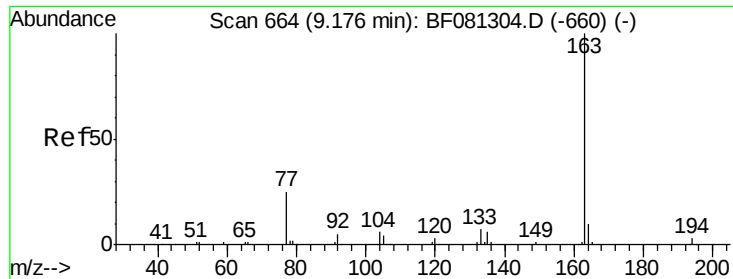


#44
 2-Fluorobiphenyl
 Concen: 17.21 ng
 RT: 8.72 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	108141		
171	34.7	26.1	39.1	
170	23.3	17.4	26.2	





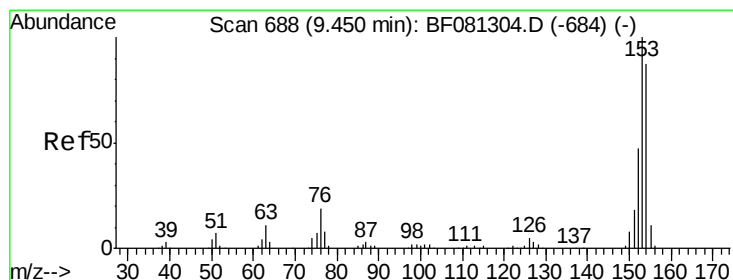
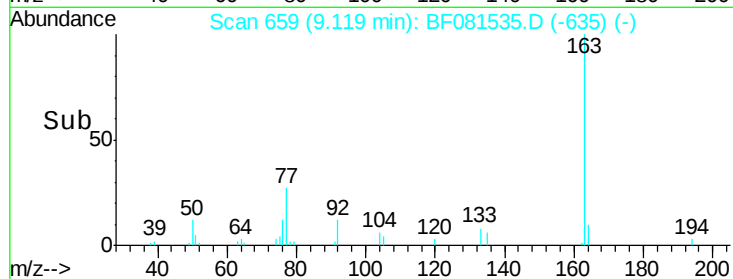
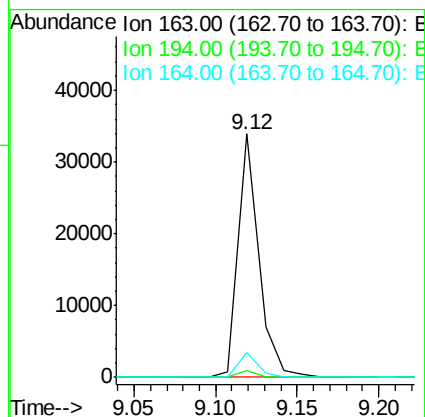
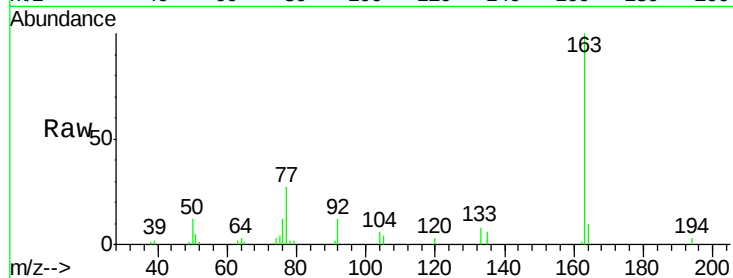
#49
Dimethylphthalate
Concen: 4.73 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	29563		
194	3.0	4.4	6.6#	
164	10.2	8.3	12.5	

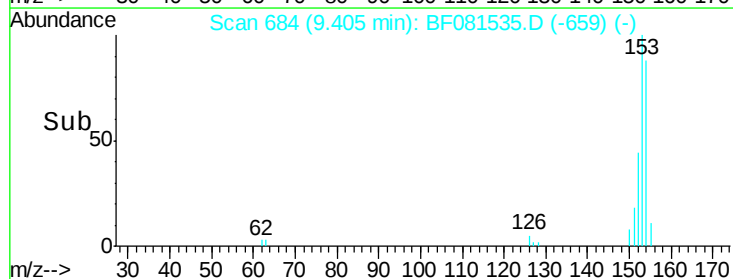
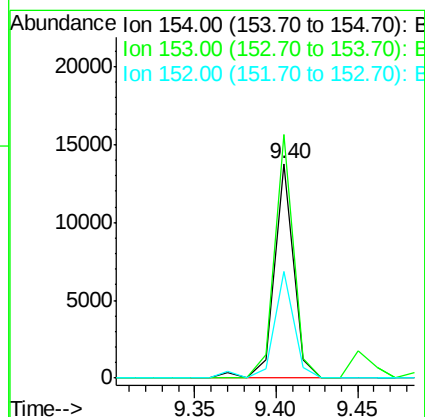
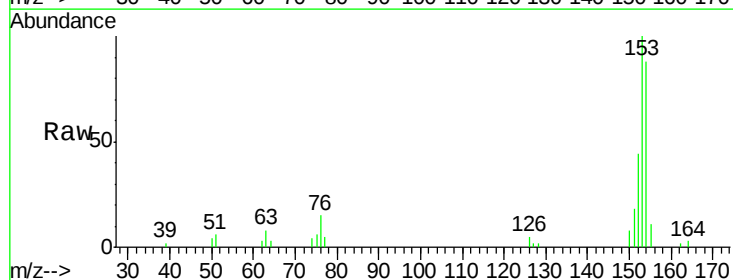
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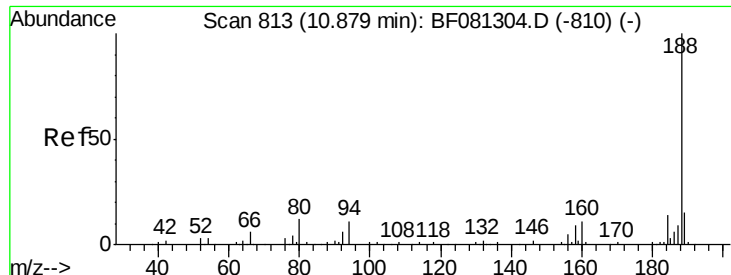
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#51
Acenaphthene
Concen: 2.09 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	11296		
153	113.6	82.1	123.1	
152	49.9	37.9	56.9	





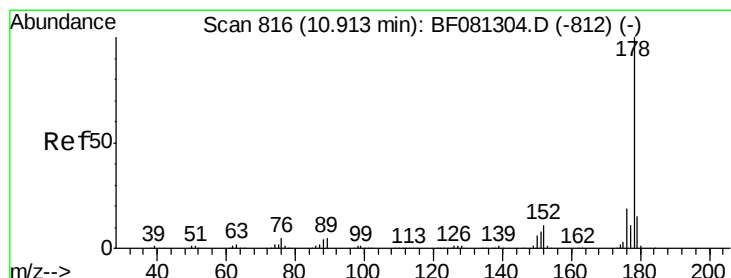
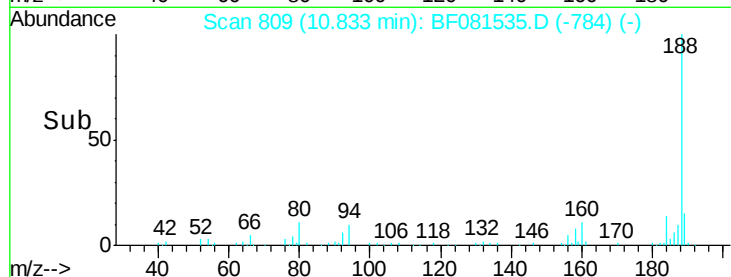
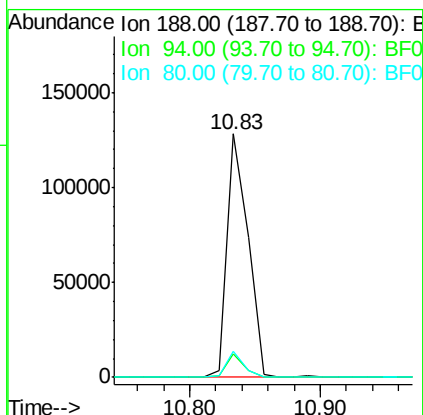
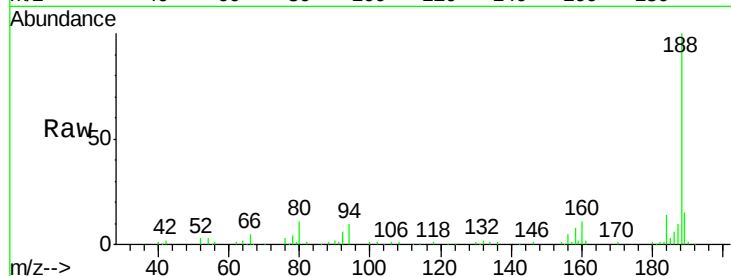
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.83 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Instrument :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	11.1	16.7#
80	10.9	11.0	16.4#

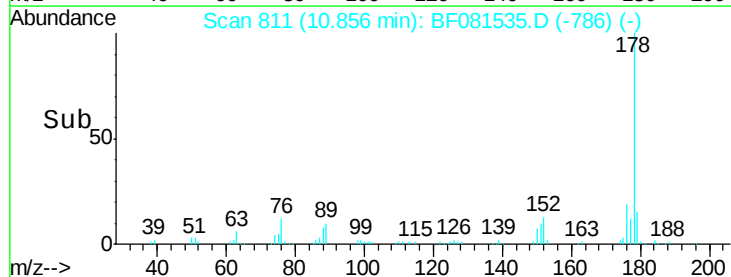
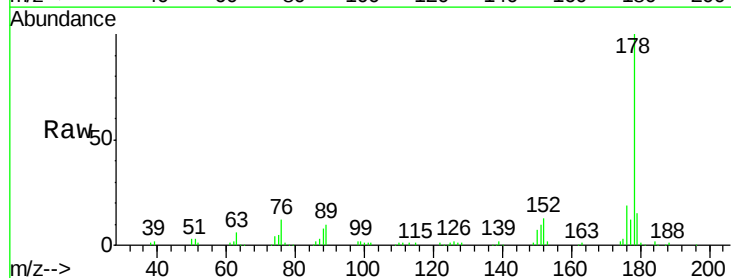
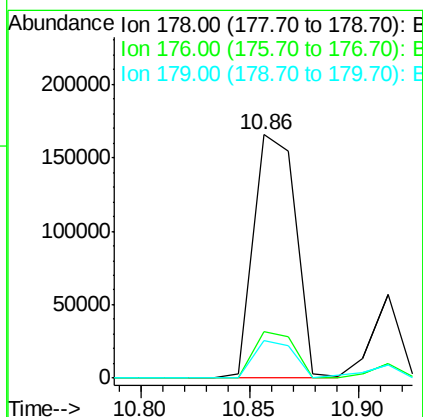
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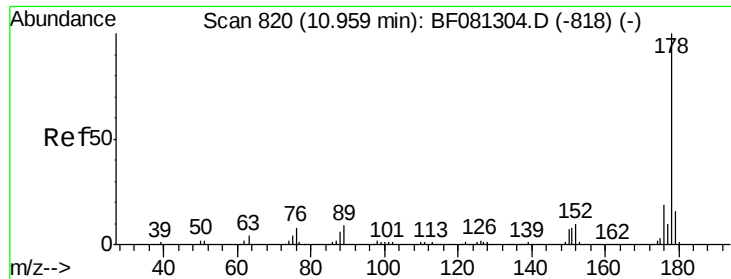
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#70
Phenanthrene
Concen: 28.20 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

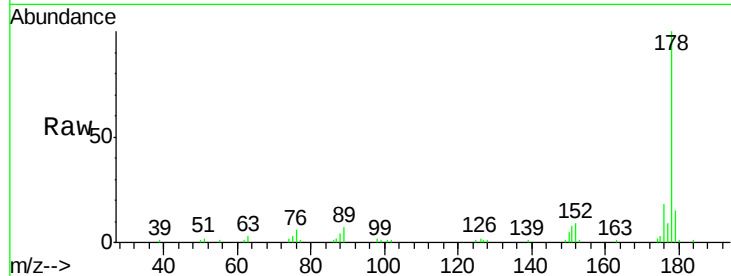
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	13.8	20.8
179	15.3	12.2	18.2





#71
 Anthracene
 Concen: 6.50 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

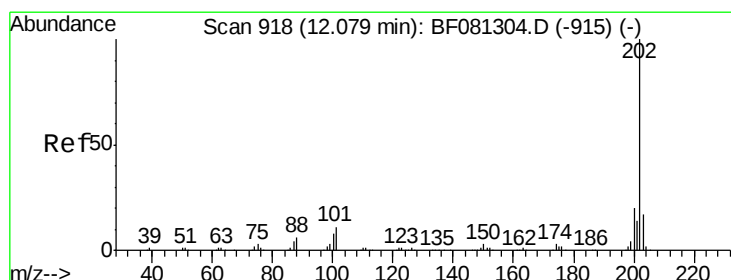
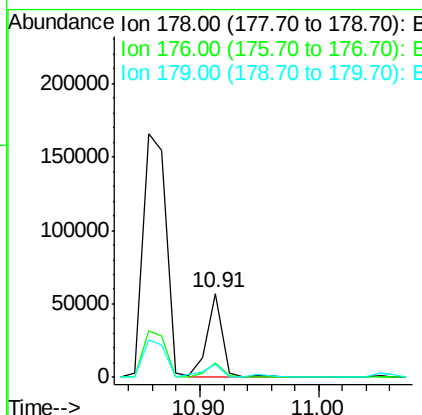
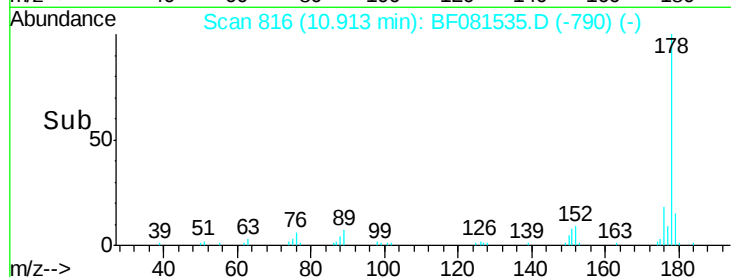
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2DL



Tgt Ion:178 Resp: 53116
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.1 21.1
 179 15.2 12.2 18.2

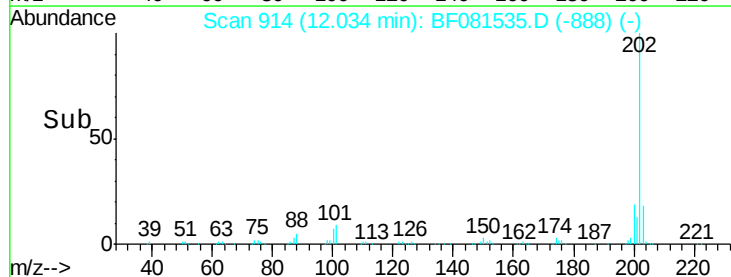
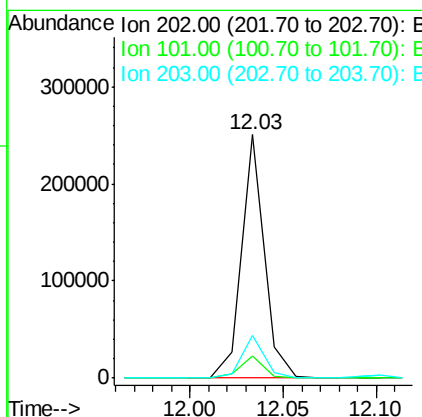
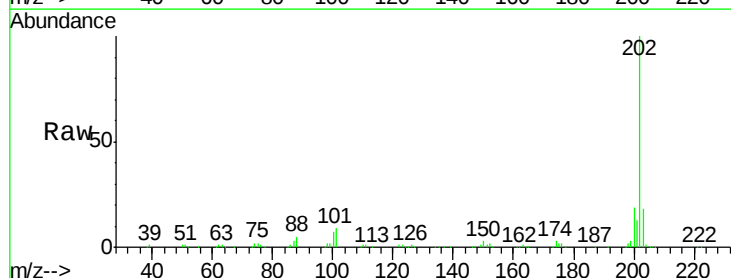
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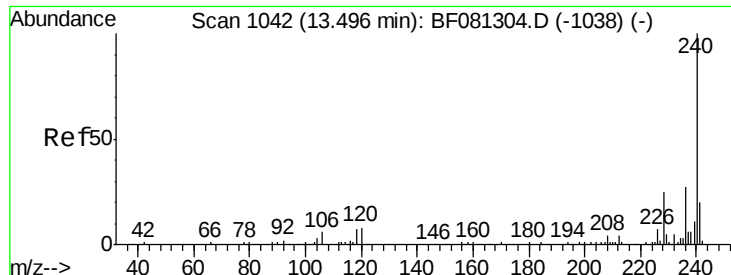
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#74
 Fluoranthene
 Concen: 24.91 ng
 RT: 12.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

Tgt Ion:202 Resp: 214515
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 38.3
 203 17.6 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.44 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

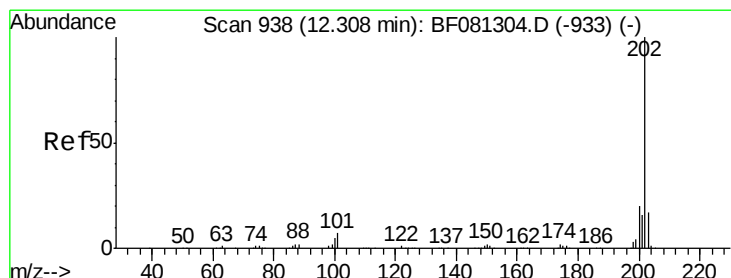
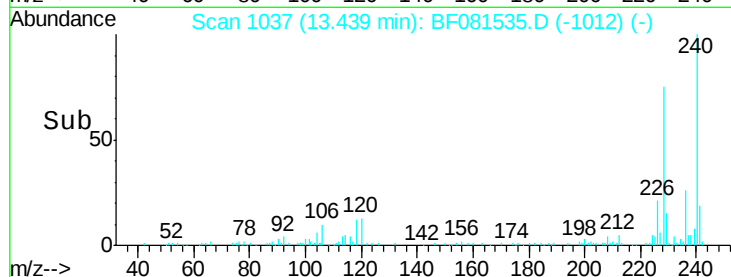
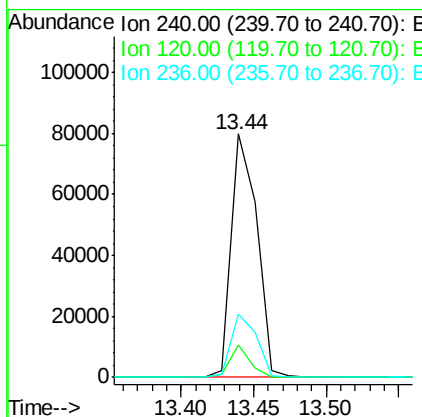
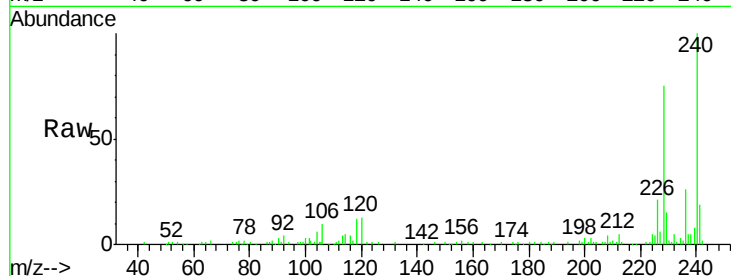
ClientSampleId :

COMP-2DL

Tgt Ion:	240	Resp:	98007
Ion Ratio	Lower	Upper	
240	100		
120	13.1	16.2	24.2#
236	26.0	18.4	27.6

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#77

Pyrene

Concen: 26.10 ng m

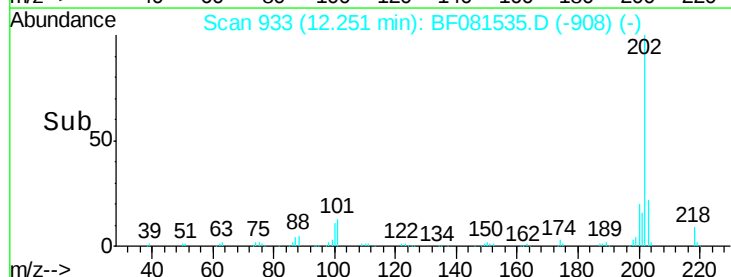
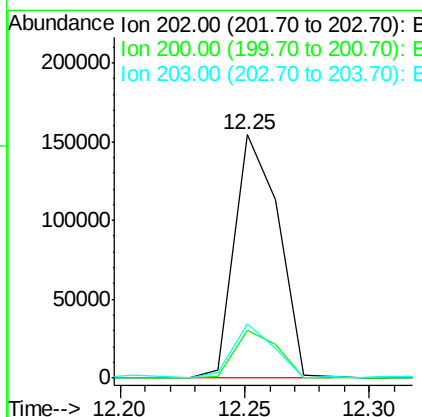
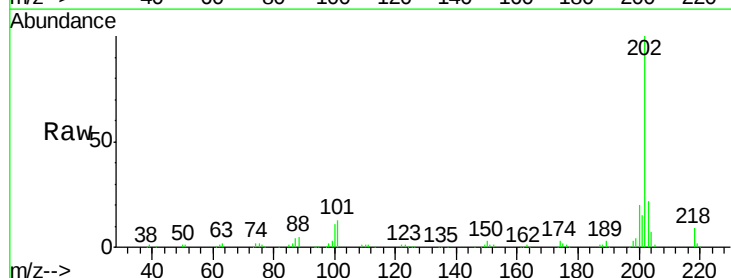
RT: 12.25 min Scan# 933

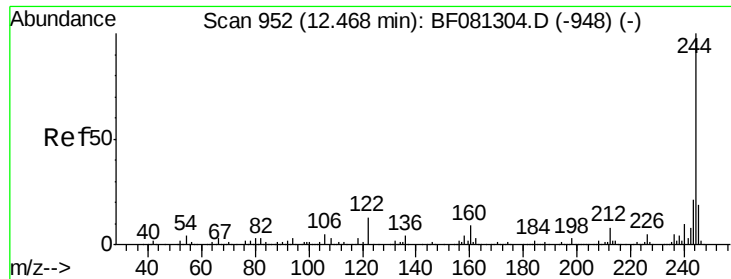
Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

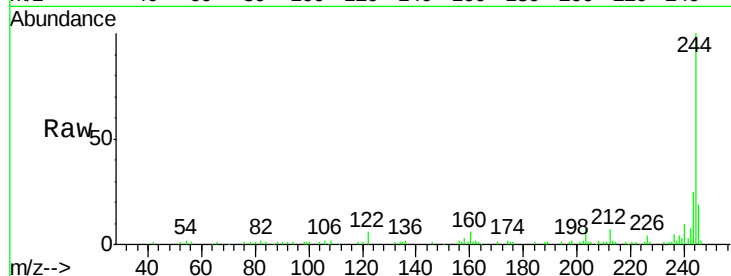
Tgt Ion:	202	Resp:	189467
Ion Ratio	Lower	Upper	
202	100		
200	19.7	15.0	22.4
203	22.2	14.1	21.1#





#78
 Terphenyl-d14
 Concen: 16.20 ng
 RT: 12.42 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

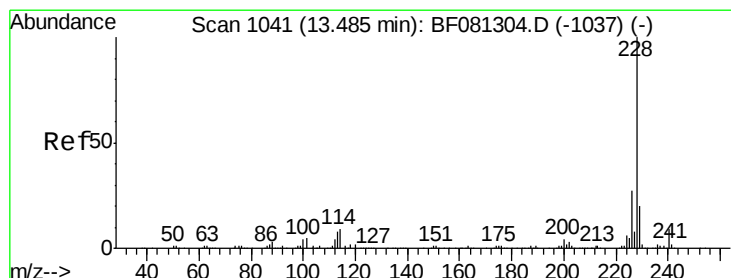
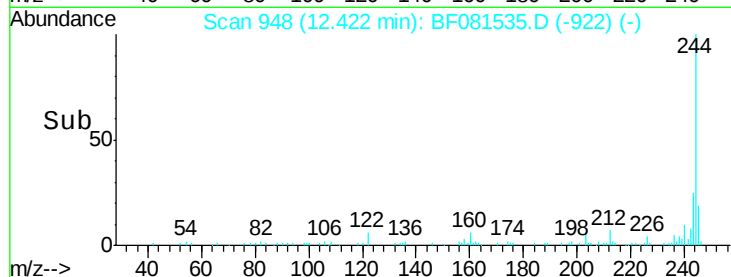
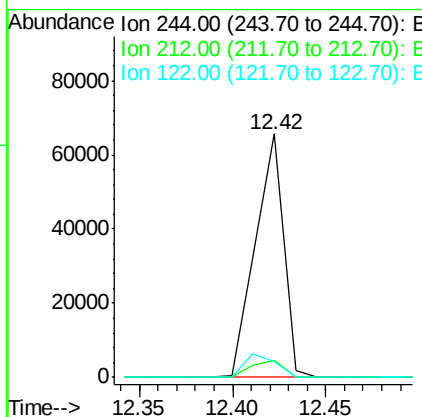
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2DL



Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	4.3	6.5#
122	6.3	17.4	26.2#

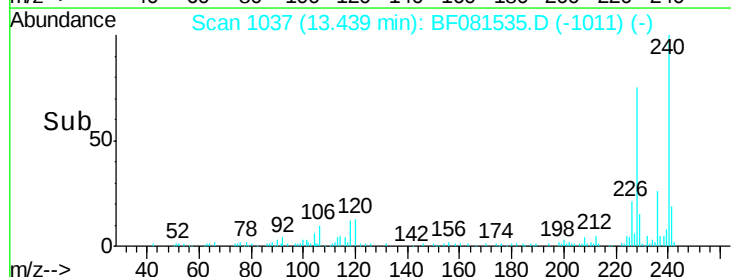
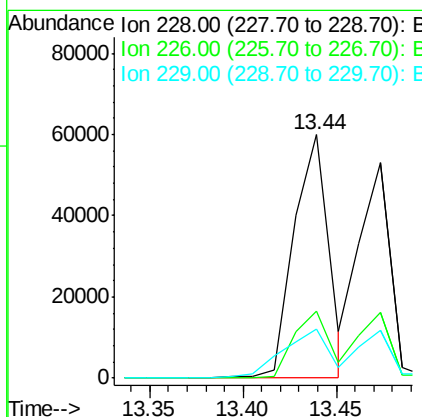
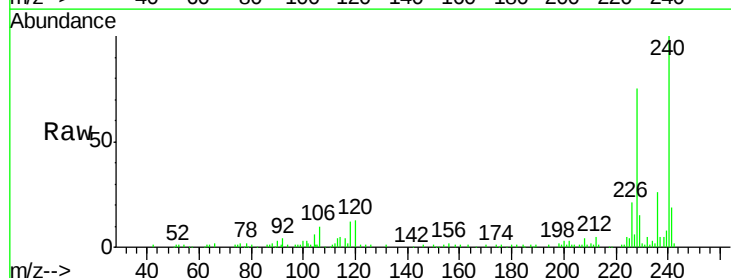
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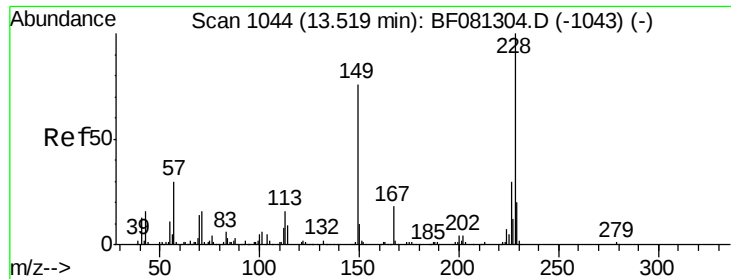
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#80
 Benzo(a)anthracene
 Concen: 12.57 ng
 RT: 13.44 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	20.0	30.0
229	20.3	15.4	23.2





#82

Chrysene

Concen: 11.07 ng m

RT: 13.47 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Instrument :

BNA_F

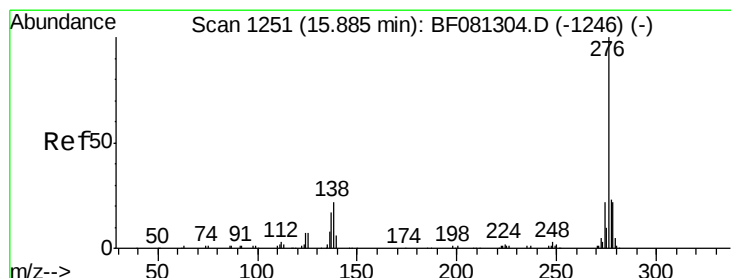
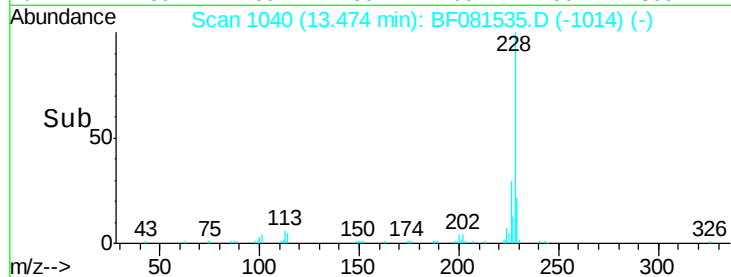
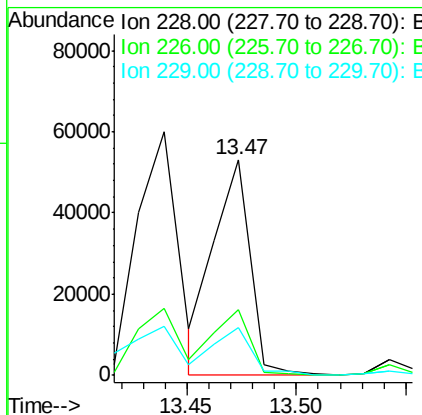
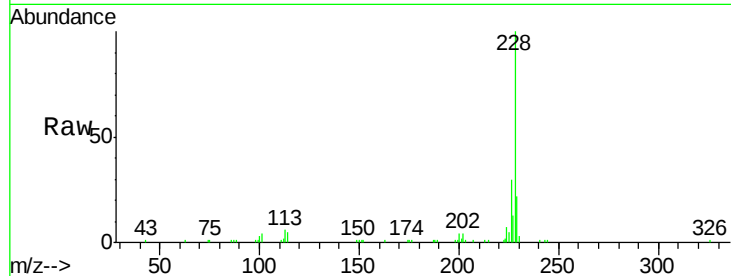
ClientSampleId :

COMP-2DL

Tgt Ion:	228	Resp:	61960
Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.0	31.4
229	22.0	15.6	23.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.33 ng

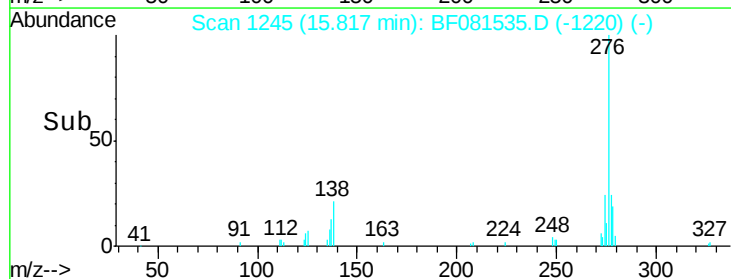
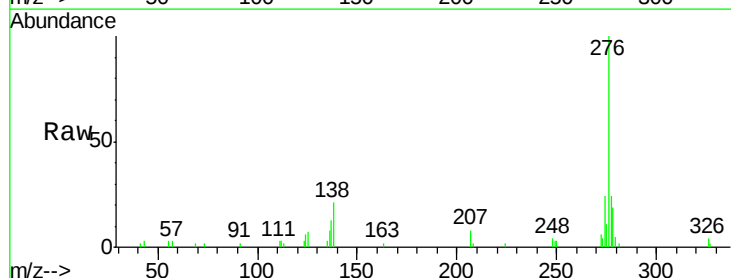
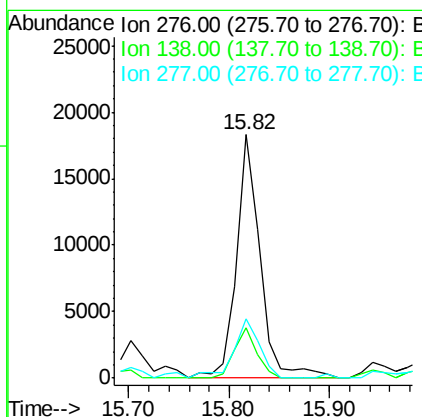
RT: 15.82 min Scan# 1245

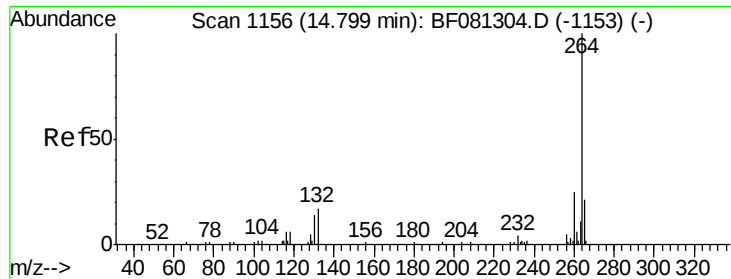
Delta R.T. -0.01 min

Lab File: BF081535.D

Acq: 8 Sep 2015 21:54

Tgt Ion:	276	Resp:	30103
Ion	Ratio	Lower	Upper
276	100		
138	19.3	25.7	38.5#
277	26.6	15.6	23.4#





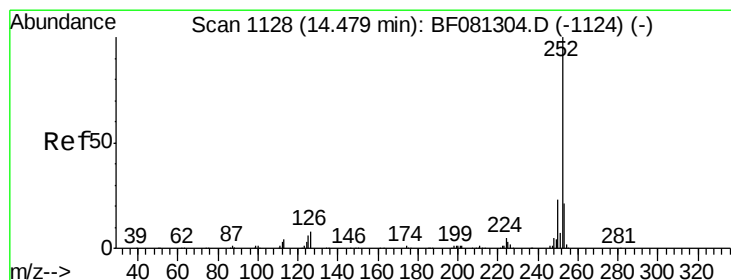
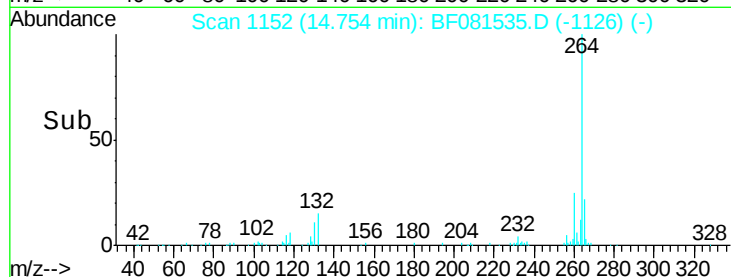
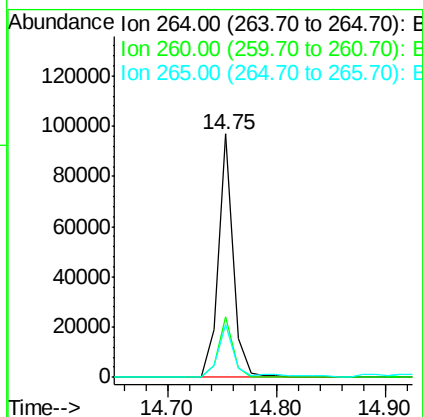
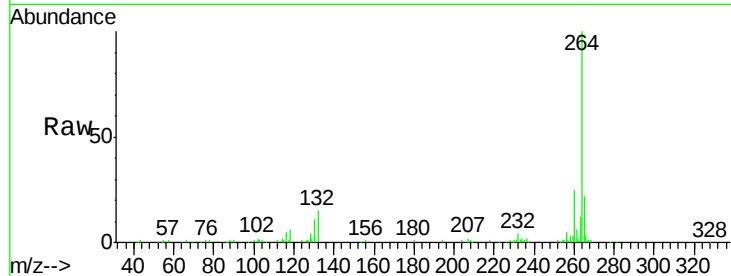
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Instrument :
BNA_F
ClientSampleId :
COMP-2DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	16.7	25.1
265	21.7	17.2	25.8

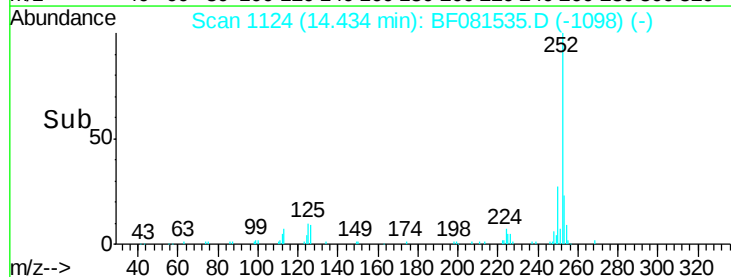
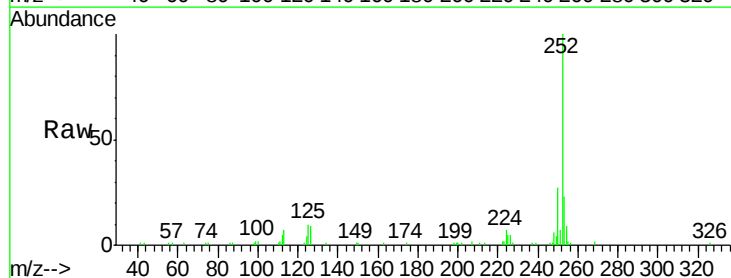
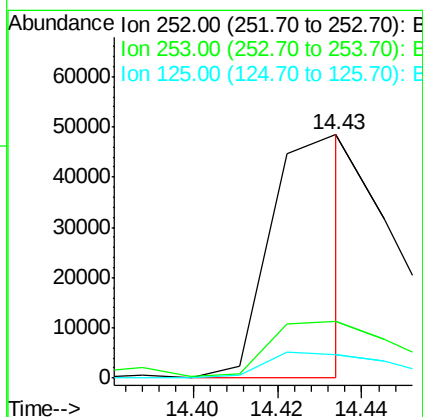
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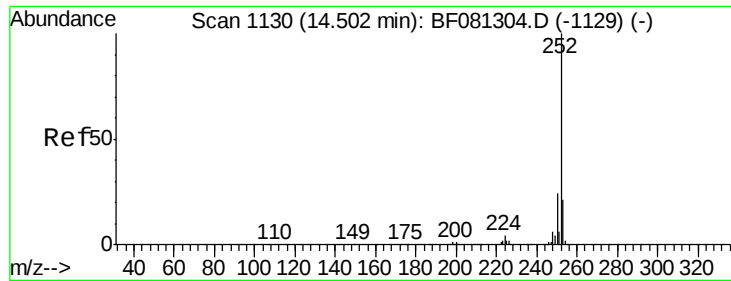
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#87
Benzo(b)fluoranthene
Concen: 9.81 ng m
RT: 14.43 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	9.5	17.1	25.7#





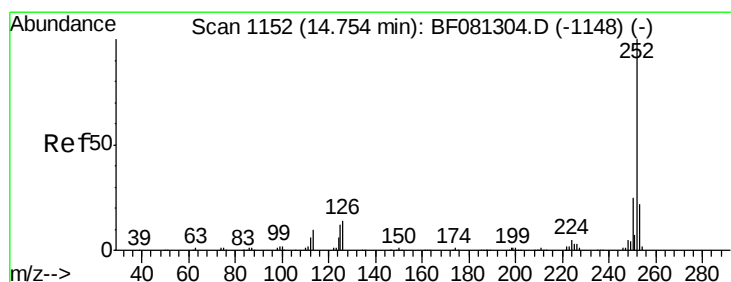
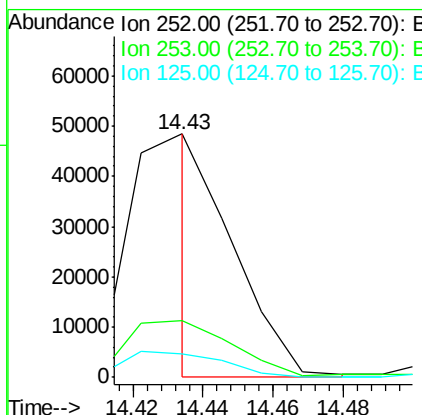
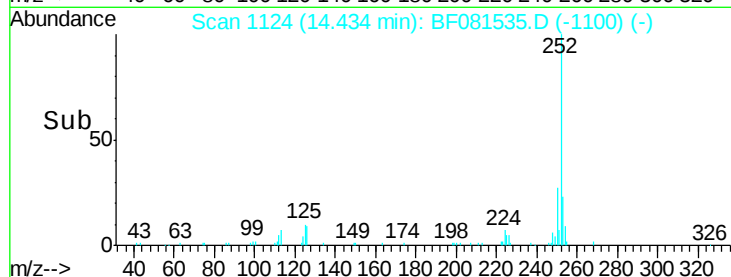
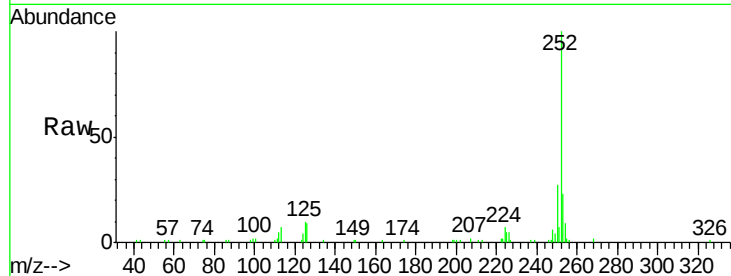
#88
Benzo(k)fluoranthene
Concen: 5.77 ng m
RT: 14.43 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Instrument :
BNA_F
ClientSampleId :
COMP-2DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	9.5	16.0	24.0

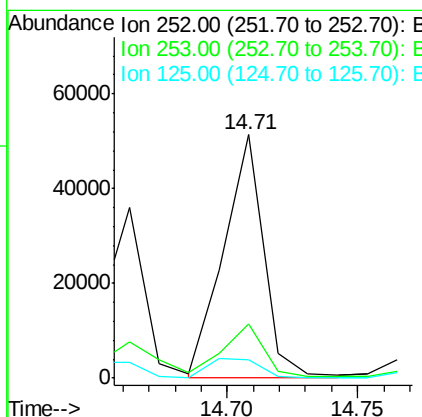
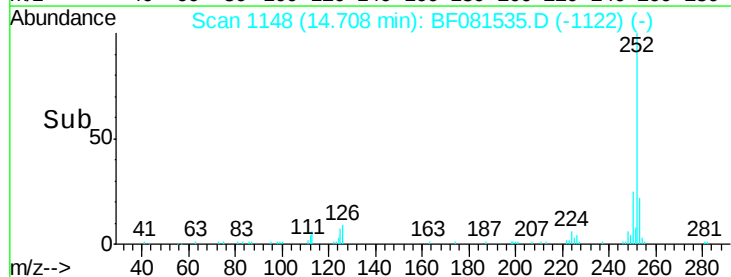
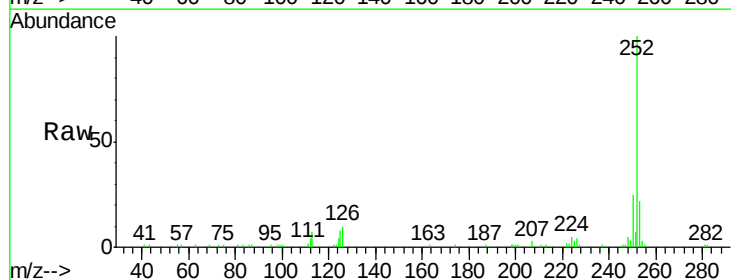
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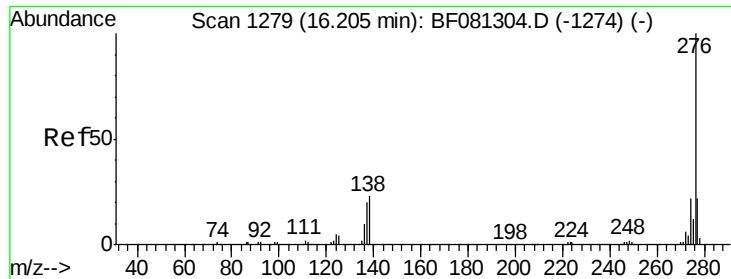
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#89
Benzo(a)pyrene
Concen: 9.83 ng
RT: 14.71 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF081535.D
Acq: 8 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	7.7	18.0	27.0





#91
 Benzo(g,h,i)perylene
 Concen: 6.09 ng
 RT: 16.13 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF081535.D
 Acq: 8 Sep 2015 21:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.8	26.6
138	18.7	34.6	51.8#

Manual Integrations
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