

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
 Data File : BF081527.D
 Acq On : 8 Sep 2015 17:39
 Operator : UM/IZ
 Sample : G3472-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB001DL

Manual Integrations
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 9/9/2015 2:58:13 PM

Quant Time: Sep 09 01:19:23 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	46515	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	187361	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	85522	20.00	ng	-0.01
63) Phenanthrene-d10	10.83	188	161001	20.00	ng	-0.01
75) Chrysene-d12	13.45	240	126361	20.00	ng	0.00
86) Perylene-d12	14.75	264	89822	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.88	112	56921	18.99	ng	0.00
7) Phenol-d6	6.01	99	80738	20.35	ng	-0.01
23) Nitrobenzene-d5	6.92	82	46188	11.89	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	13738	18.04	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	87782	13.15	ng	0.00
78) Terphenyl-d14	12.42	244	73965	13.63	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.12	163	17258	2.60	ng	Qvalue # 95
57) Fluorene	9.92	166	13851	2.18	ng	97
70) Phenanthrene	10.86	178	184078	20.57	ng	98
71) Anthracene	10.91	178	47285	5.14	ng	99
74) Fluoranthene	12.03	202	308606	31.85	ng	91
77) Pyrene	12.26	202	281004	30.02	ng	99
80) Benzo(a)anthracene	13.44	228	131004m	16.28	ng	
82) Chrysene	13.47	228	107907m	14.96	ng	
85) Indeno(1,2,3-cd)pyrene	15.82	276	51320	9.70	ng	# 83
87) Benzo(b)fluoranthene	14.43	252	96903m	15.11	ng	
88) Benzo(k)fluoranthene	14.43	252	48926m	9.19	ng	
89) Benzo(a)pyrene	14.71	252	78656	14.47	ng	# 83
90) Dibenzo(a,h)anthracene	15.83	278	11857	2.82	ng	# 81
91) Benzo(g,h,i)perylene	16.14	276	47477	11.85	ng	# 72

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

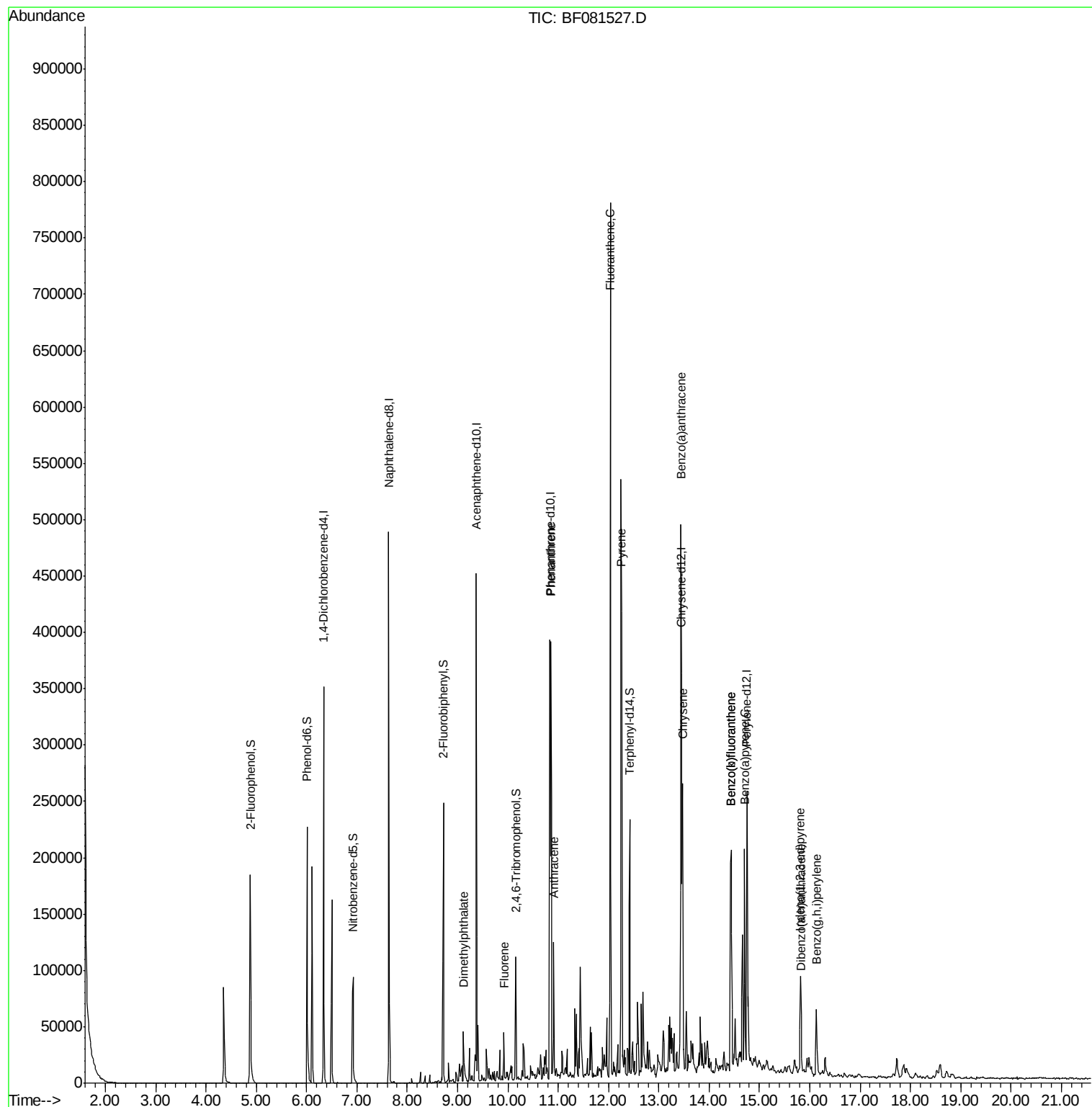
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
Data File : BF081527.D
Acq On : 8 Sep 2015 17:39
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#1

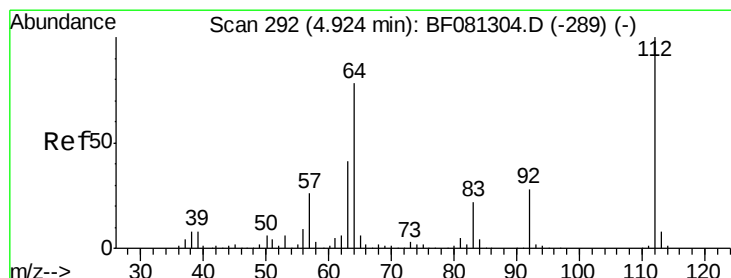
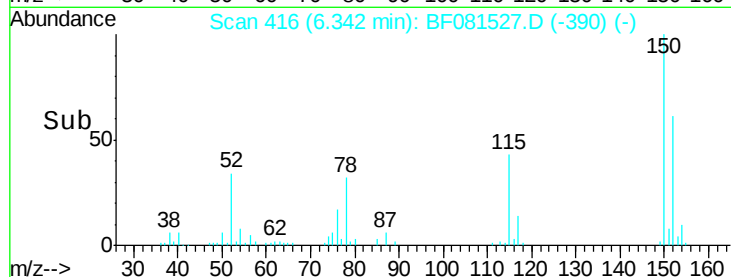
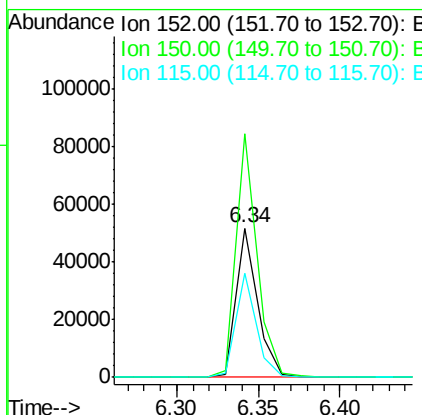
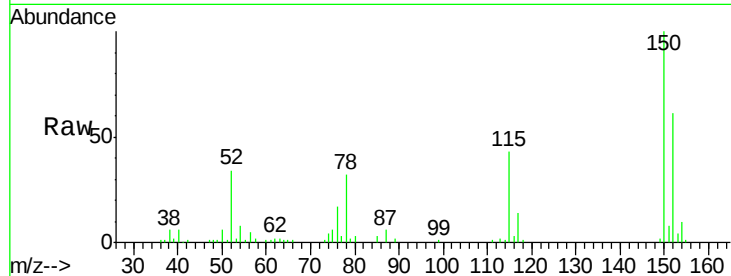
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.34 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF081527.D
Acq: 8 Sep 2015 17:39

Instrument :
BNA_F
ClientSampleId :
SB001DL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	46515		
150	163.0	124.7	187.1	
115	69.3	39.0	58.4#	

Manual Integrations
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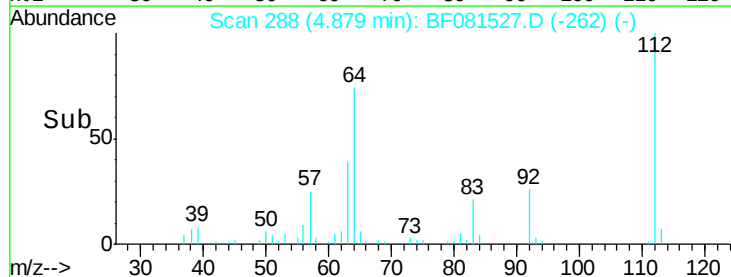
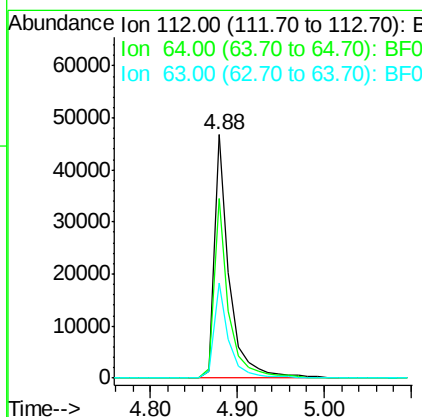
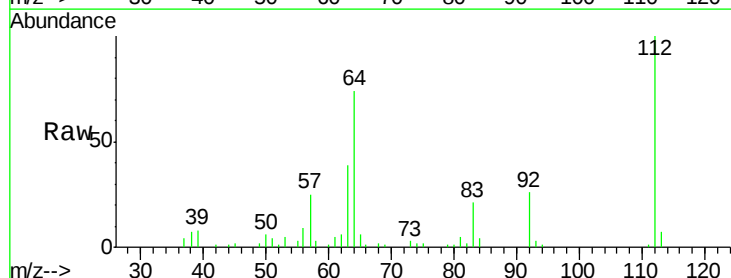
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#5

2-Fluorophenol
Concen: 18.99 ng
RT: 4.88 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF081527.D
Acq: 8 Sep 2015 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	56921		
64	73.9	39.7	59.5#	
63	39.3	17.4	26.0#	





#7

Phenol-d6

Concen: 20.35 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081527.D

Acq: 8 Sep 2015 17:39

Instrument :

BNA_F

ClientSampled :

SB001DL

Tgt Ion: 99 Resp: 80738

Ion Ratio Lower Upper

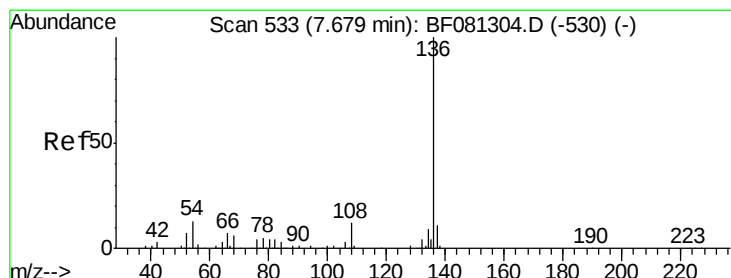
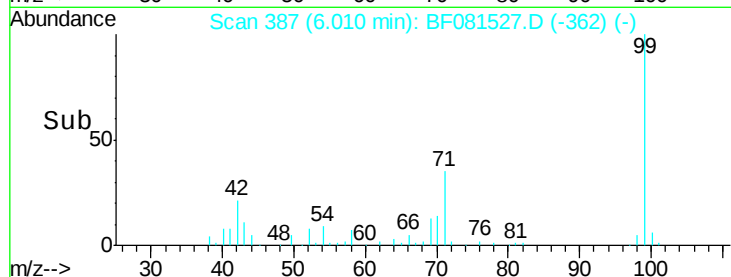
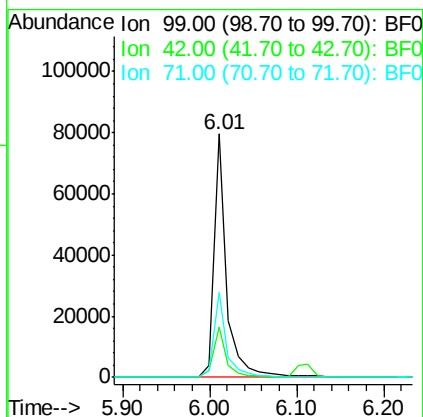
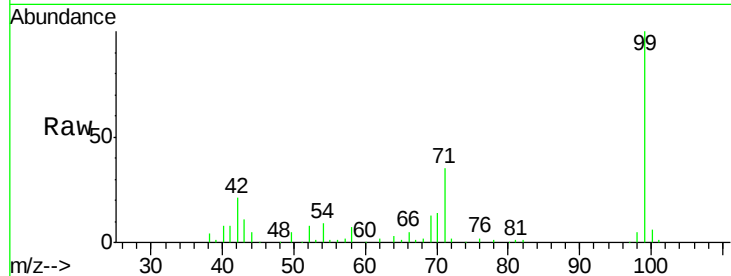
99 100

42 20.7 13.7 20.5#

71 34.9 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: BF081527.D

Acq: 8 Sep 2015 17:39

Tgt Ion: 136 Resp: 187361

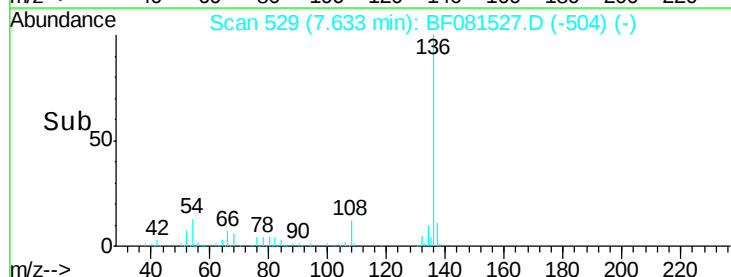
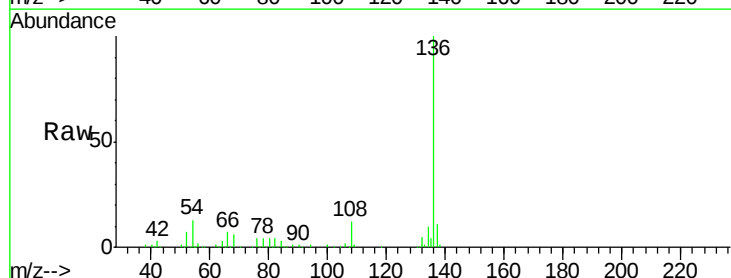
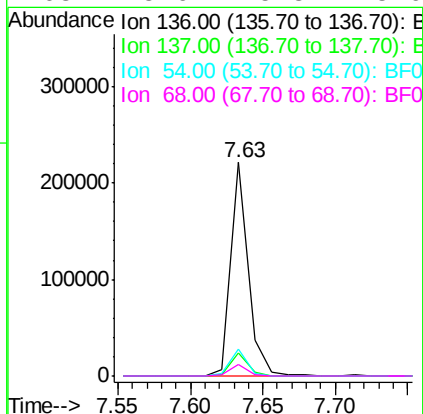
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 12.9 8.2 12.2#

68 5.6 5.8 8.6#





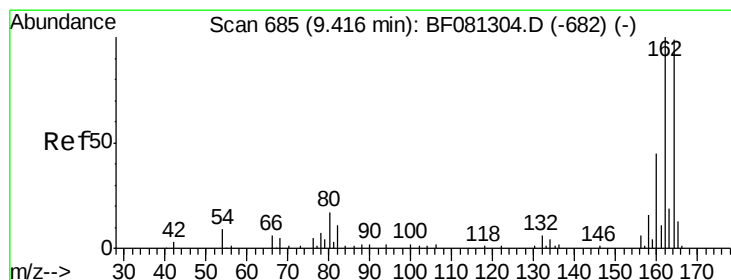
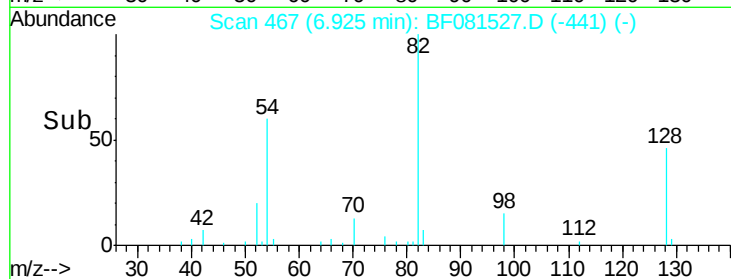
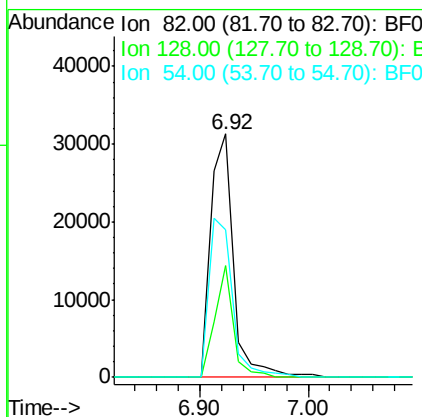
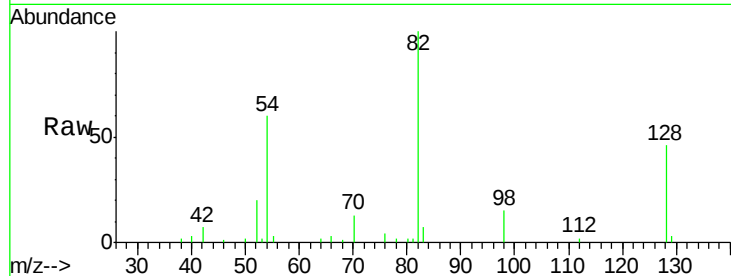
#23
 Nitrobenzene-d5
 Concen: 11.89 ng
 RT: 6.92 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 SB001DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.7	51.0	76.6#
54	60.5	47.5	71.3

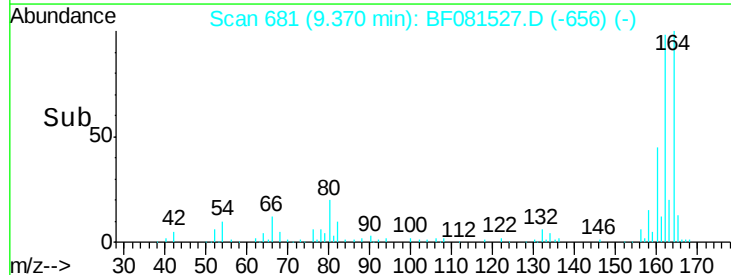
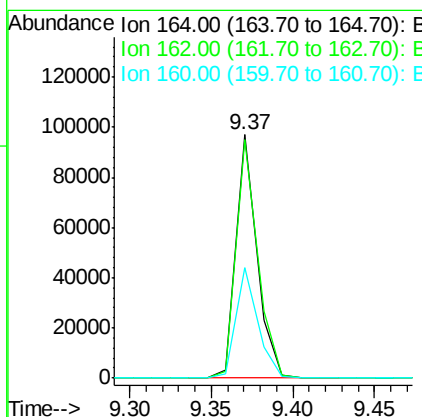
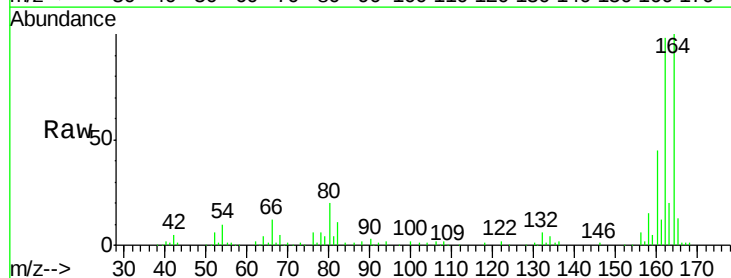
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.37 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.1	75.2	112.8
160	45.3	31.5	47.3





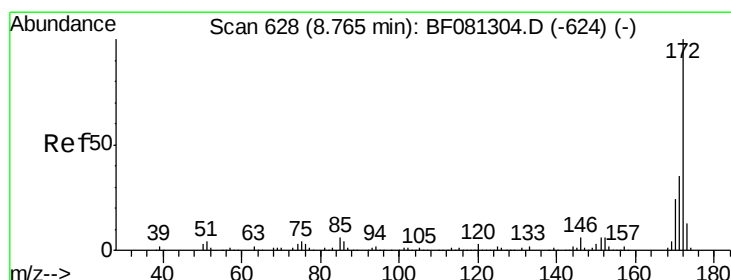
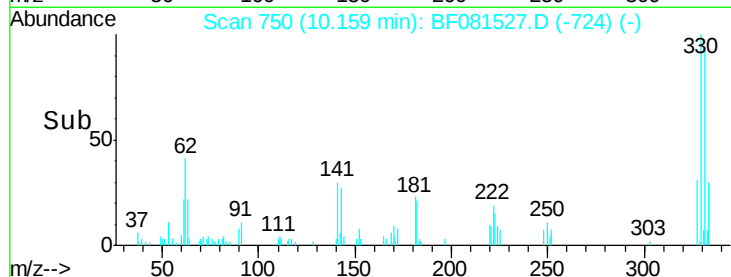
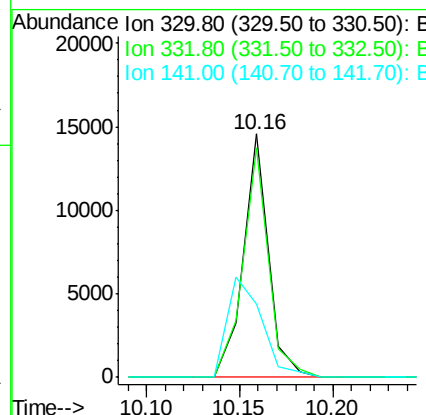
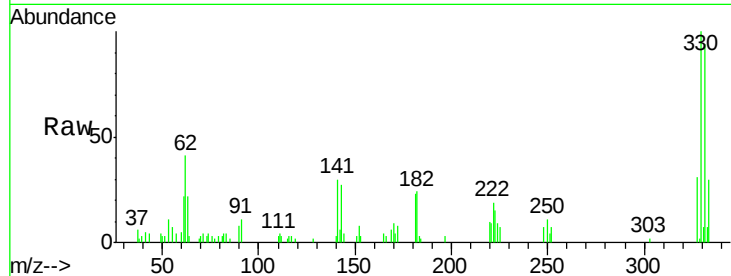
#41
 2,4,6-Tribromophenol
 Concen: 18.04 ng
 RT: 10.16 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 SB001DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	13738		
332	96.4	76.6	114.8	
141	56.6	29.7	44.5#	

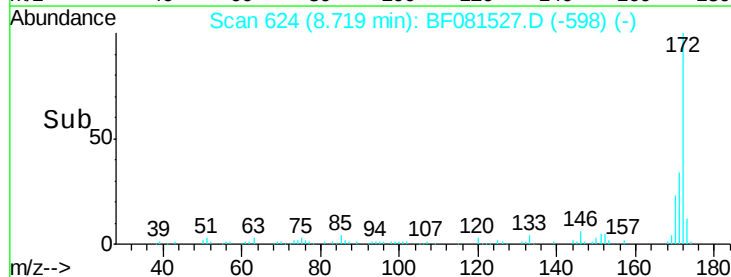
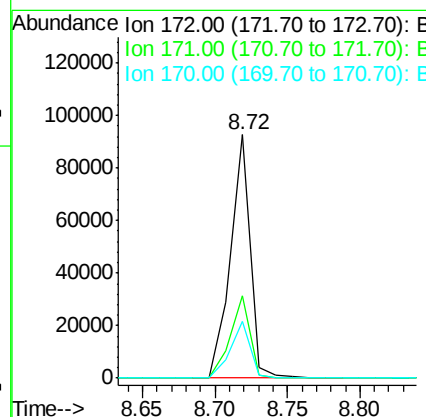
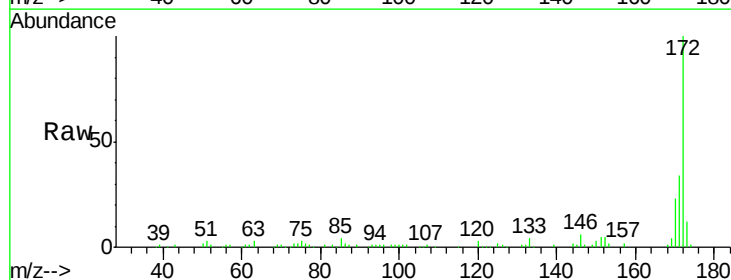
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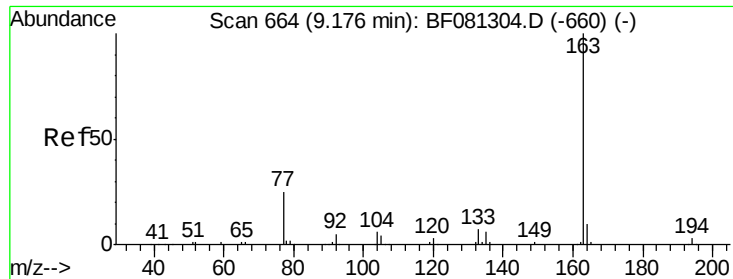
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#44
 2-Fluorobiphenyl
 Concen: 13.15 ng
 RT: 8.72 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	87782		
171	33.7	26.1	39.1	
170	23.2	17.4	26.2	





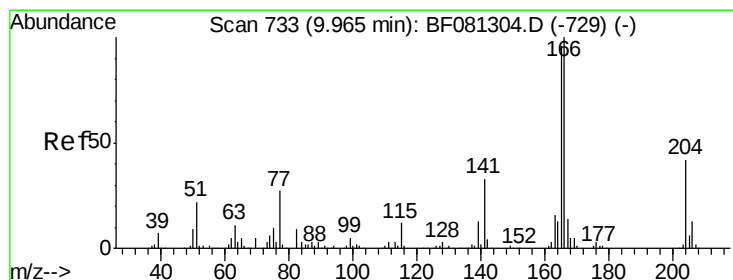
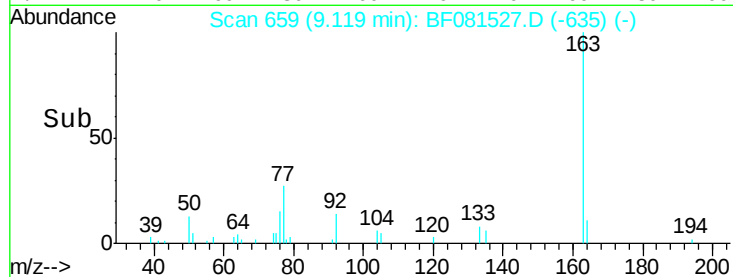
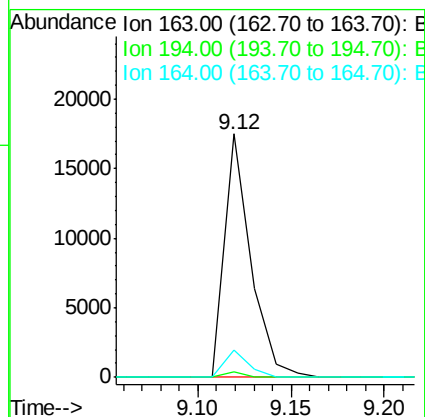
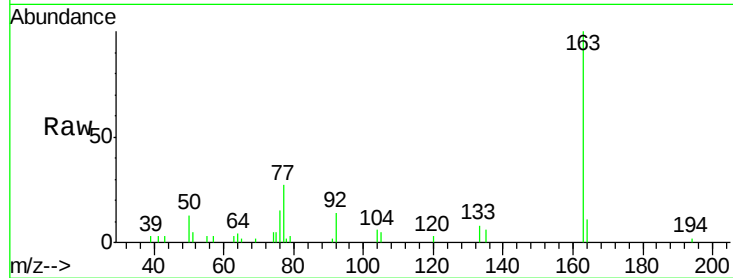
#49
Dimethylphthalate
Concen: 2.60 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081527.D
Acq: 8 Sep 2015 17:39

Instrument :
BNA_F
ClientSampleId :
SB001DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	17258		
194	2.2	4.4	6.6	
164	11.2	8.3	12.5	

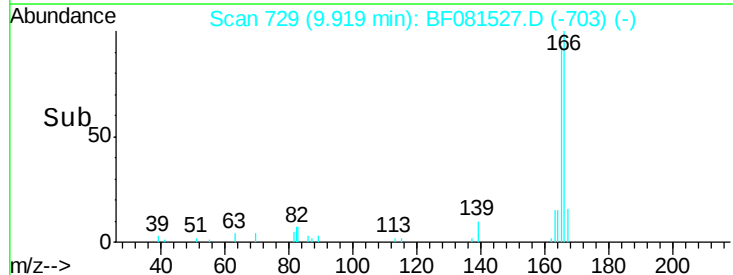
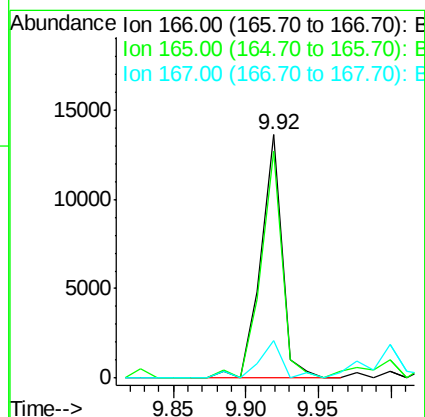
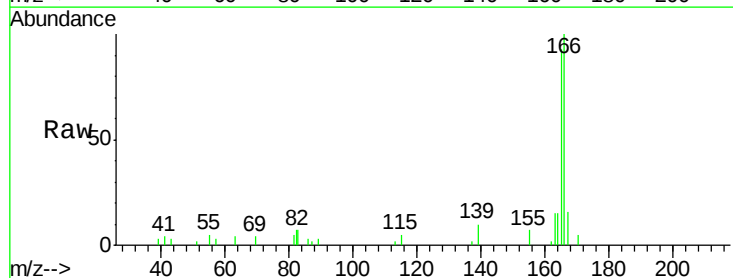
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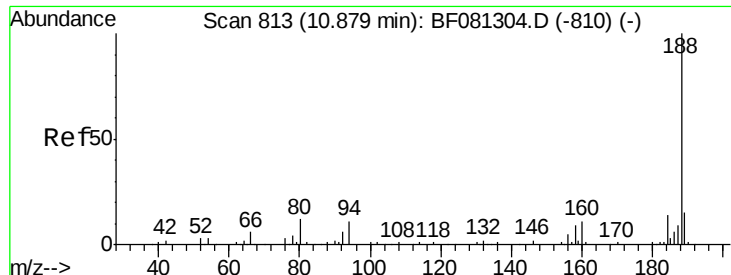
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#57
Fluorene
Concen: 2.18 ng
RT: 9.92 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF081527.D
Acq: 8 Sep 2015 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	13851		
165	93.4	72.6	109.0	
167	15.5	10.6	16.0	





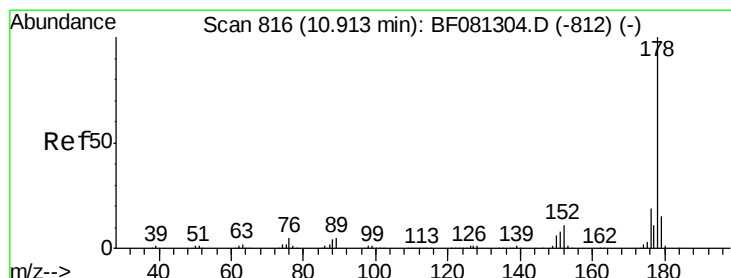
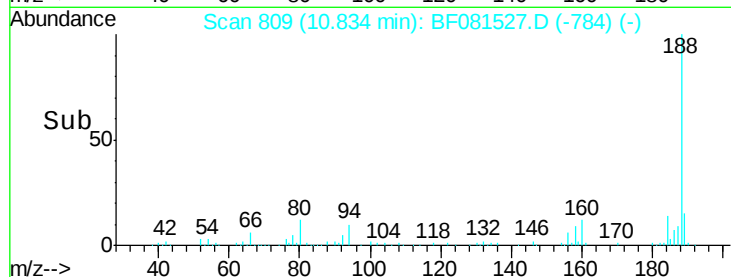
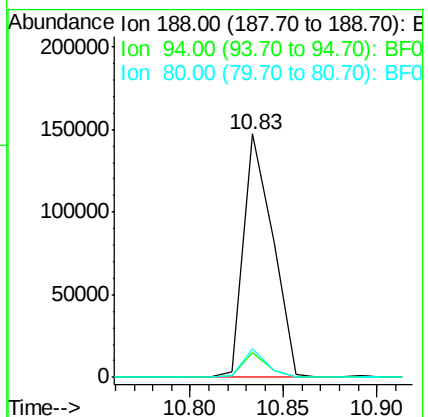
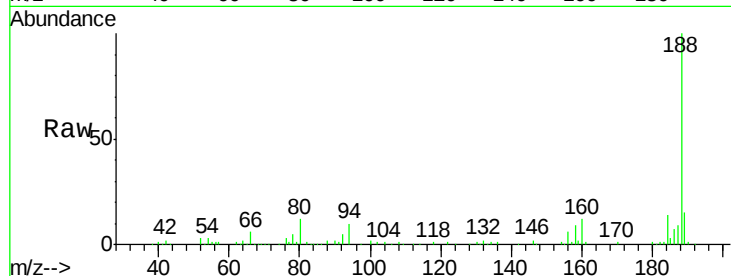
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.83 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 SB001DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.0	11.1	16.7#
80	11.6	11.0	16.4

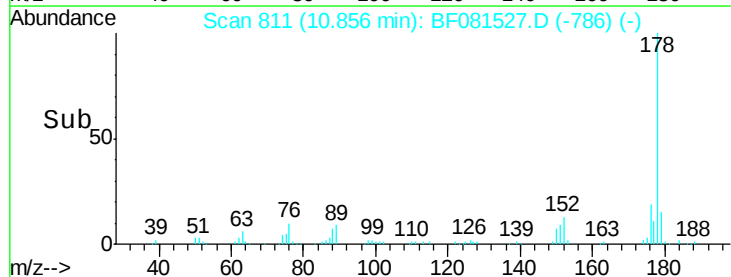
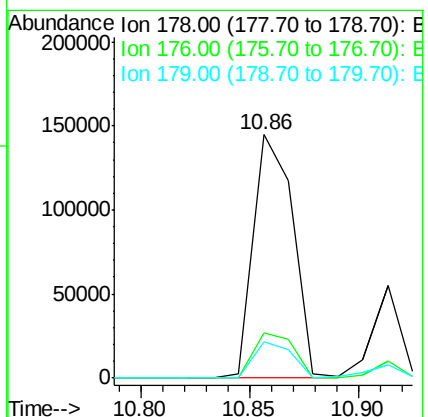
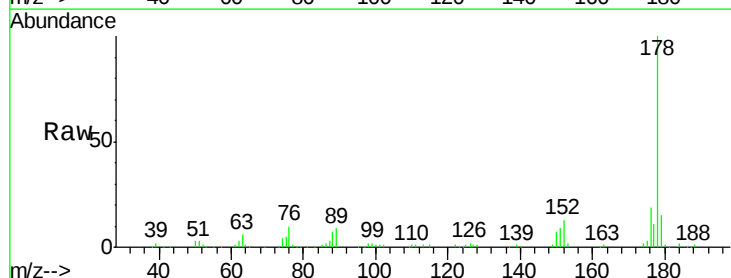
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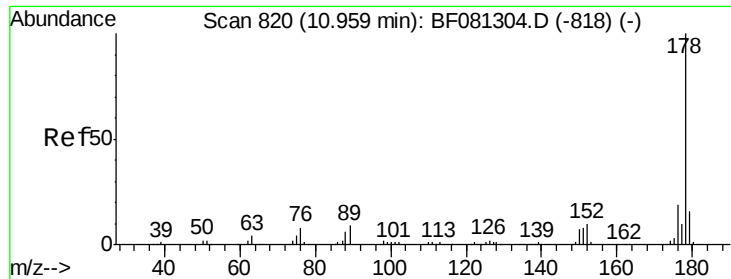
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#70
 Phenanthrene
 Concen: 20.57 ng
 RT: 10.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	13.8	20.8
179	15.1	12.2	18.2





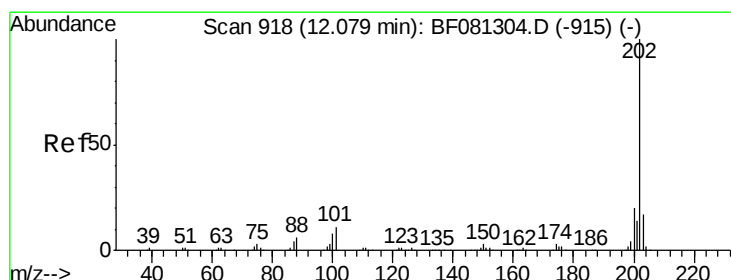
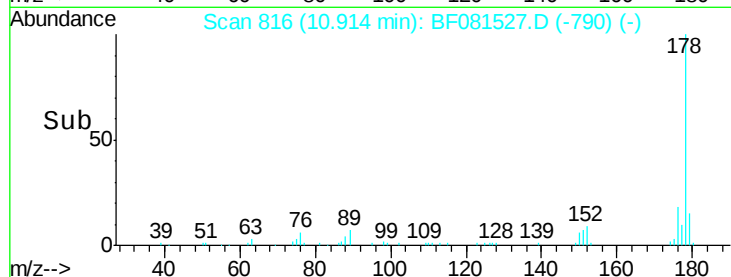
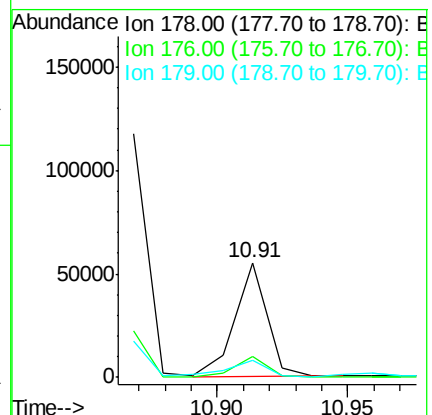
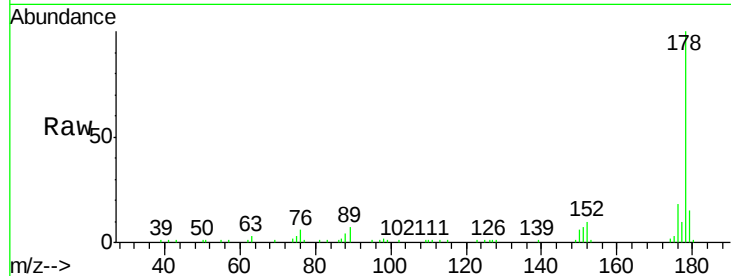
#71
 Anthracene
 Concen: 5.14 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 SB001DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.1	21.1
179	14.6	12.2	18.2

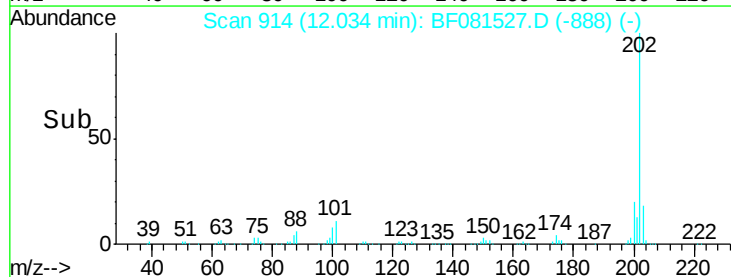
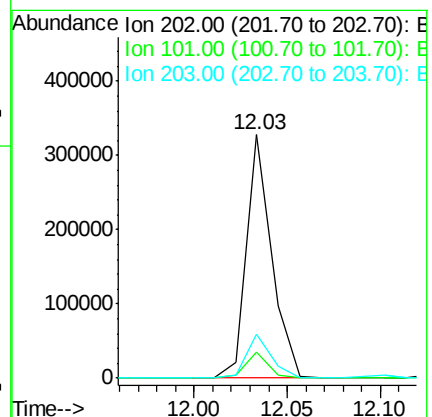
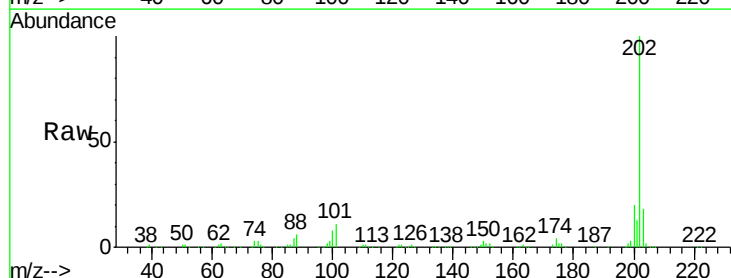
Manual Integrations
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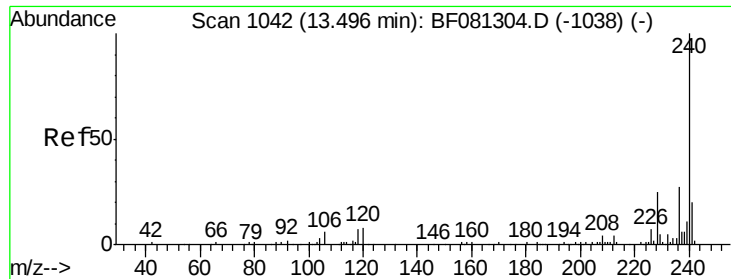
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#74
 Fluoranthene
 Concen: 31.85 ng
 RT: 12.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	38.3
203	17.9	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.45 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF081527.D

Acq: 8 Sep 2015 17:39

Instrument :

BNA_F

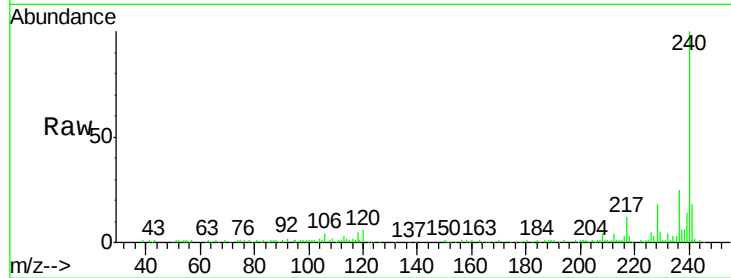
ClientSampleId :

SB001DL

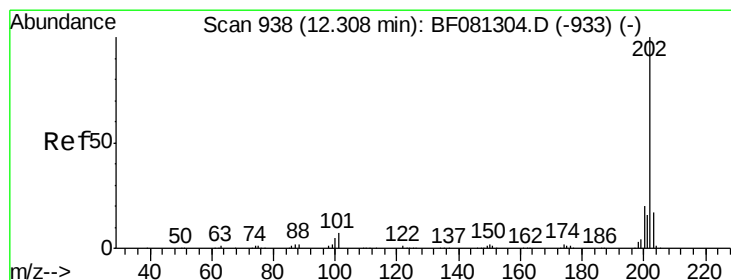
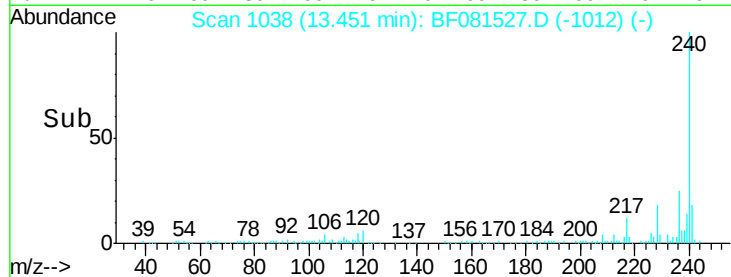
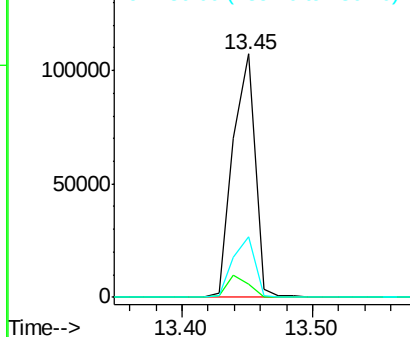
Tgt Ion:	240	Resp:	126361
Ion Ratio	Lower	Upper	
240	100		
120	5.6	16.2	24.2#
236	25.1	18.4	27.6

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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: 30.02 ng

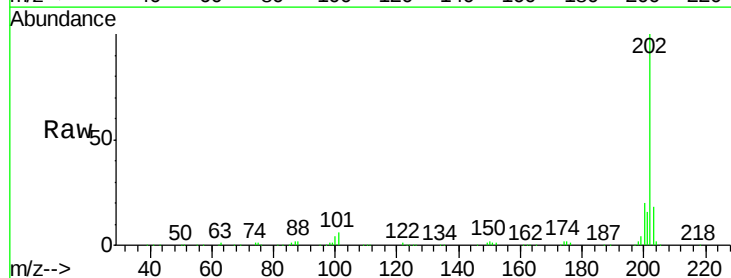
RT: 12.26 min Scan# 934

Delta R.T. 0.00 min

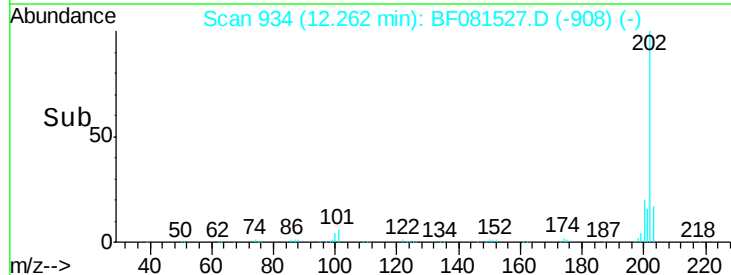
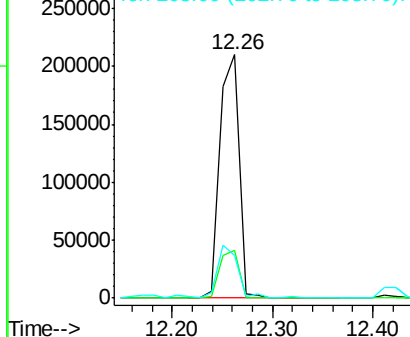
Lab File: BF081527.D

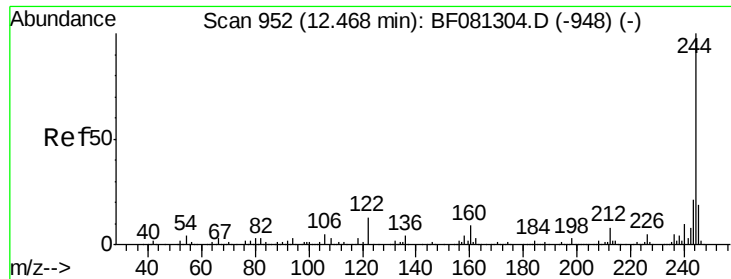
Acq: 8 Sep 2015 17:39

Tgt Ion:	202	Resp:	281004
Ion Ratio	Lower	Upper	
202	100		
200	19.6	15.0	22.4
203	17.6	14.1	21.1



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





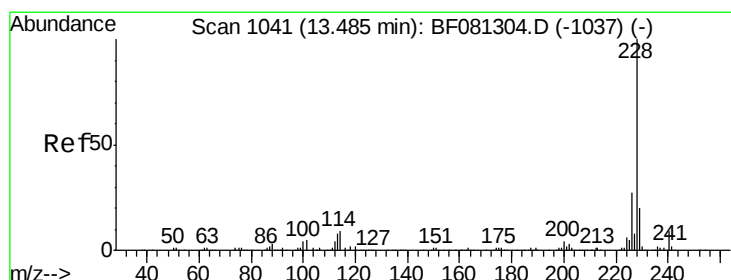
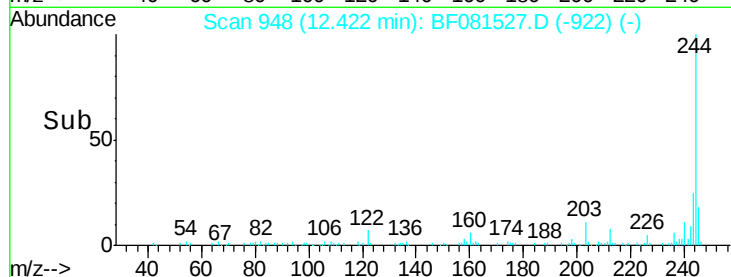
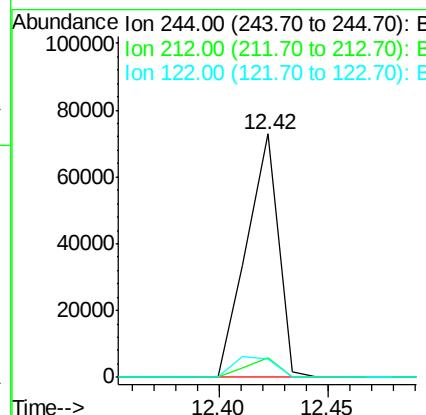
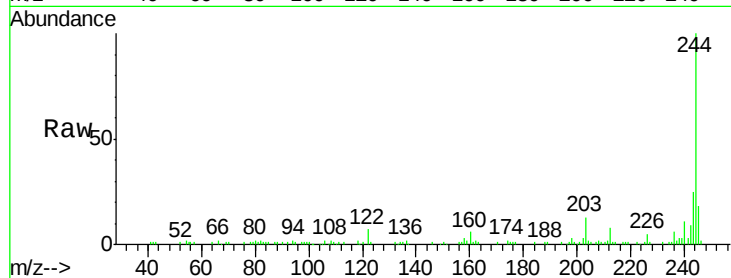
#78
 Terphenyl-d14
 Concen: 13.63 ng
 RT: 12.42 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Instrument :
 BNA_F
 ClientSampleID :
 SB001DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	4.3	6.5#
122	7.3	17.4	26.2#

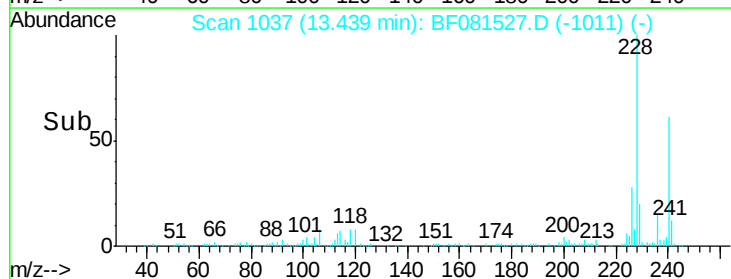
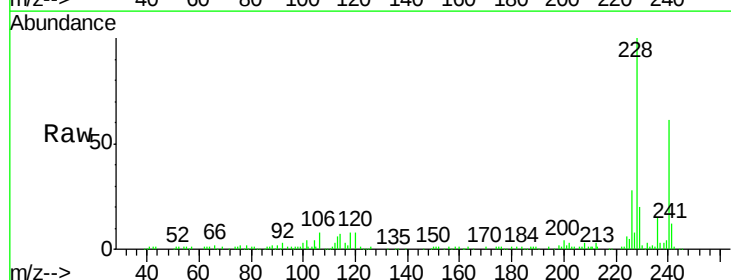
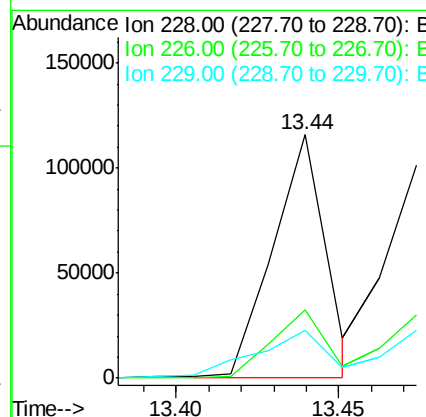
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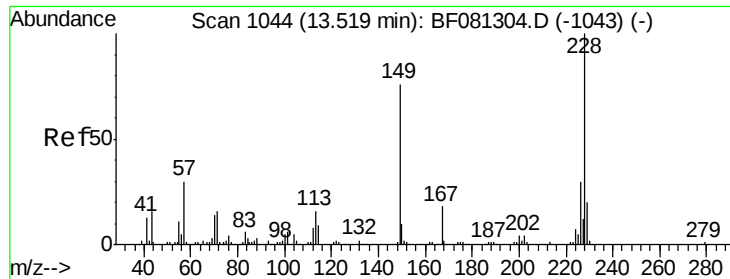
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#80
 Benzo(a)anthracene
 Concen: 16.28 ng m
 RT: 13.44 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	20.0	30.0
229	19.8	15.4	23.2





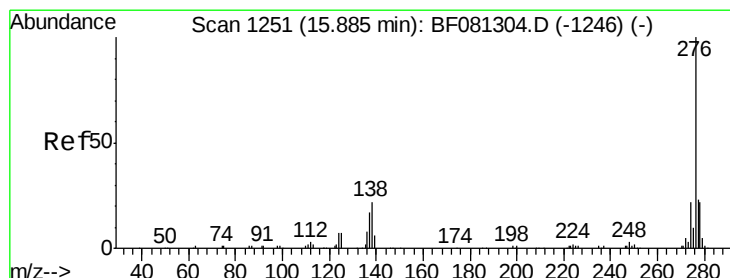
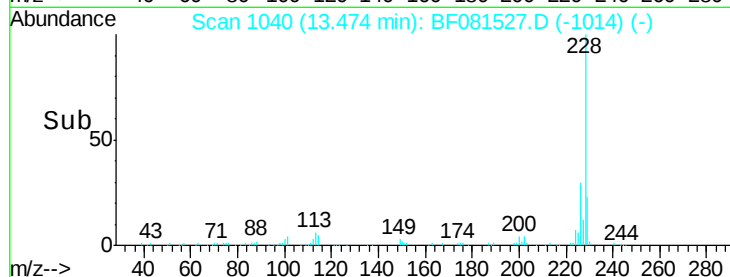
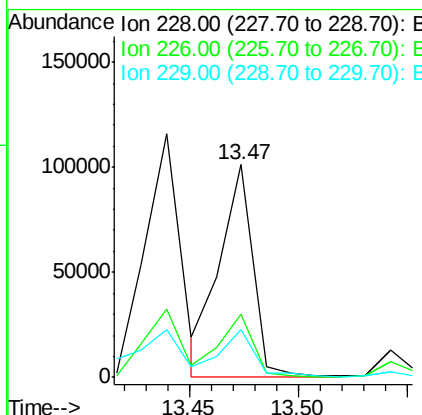
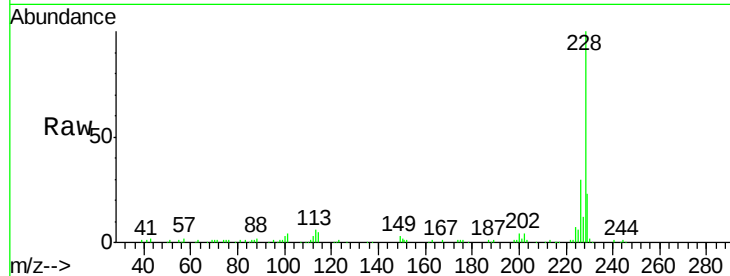
#82
 Chrysene
 Concen: 14.96 ng m
 RT: 13.47 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 SB001DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.0	31.4
229	22.6	15.6	23.4

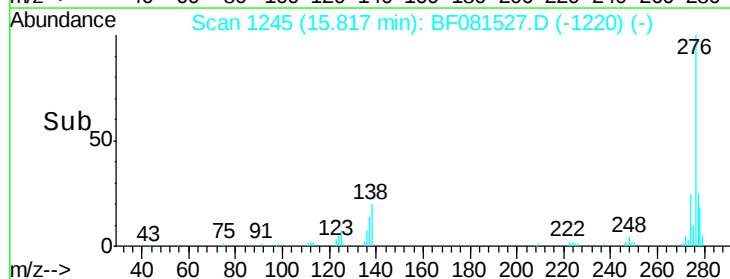
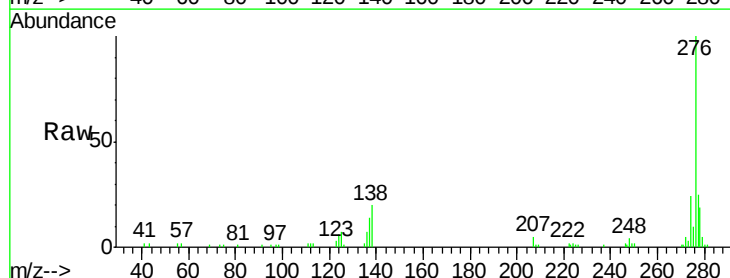
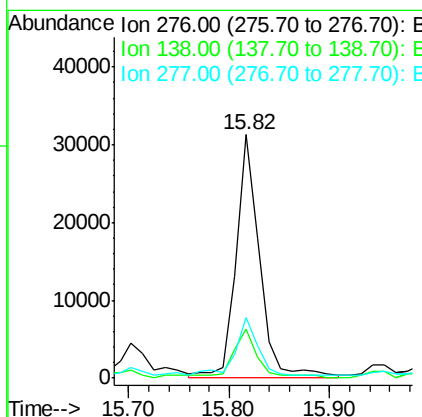
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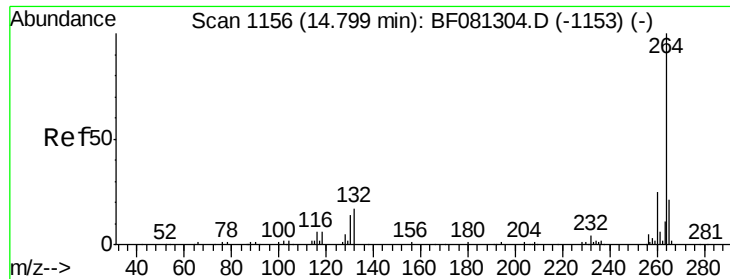
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.70 ng
 RT: 15.82 min Scan# 1245
 Delta R.T. -0.01 min
 Lab File: BF081527.D
 Acq: 8 Sep 2015 17:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	25.7	38.5#
277	28.2	15.6	23.4#





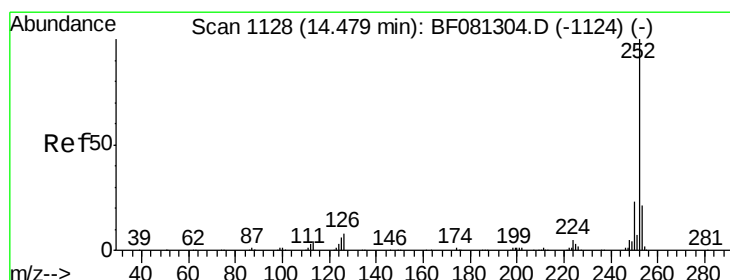
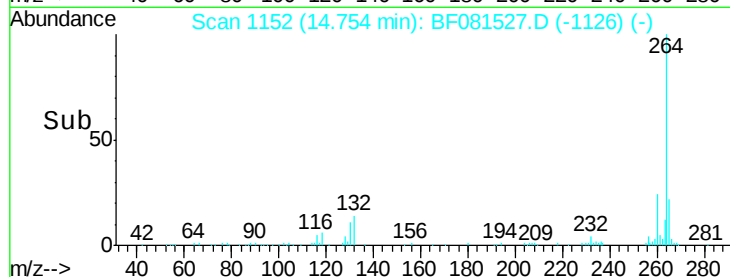
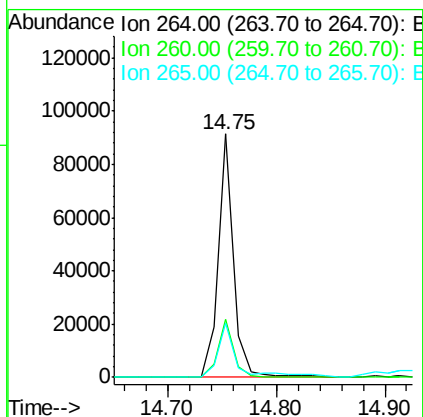
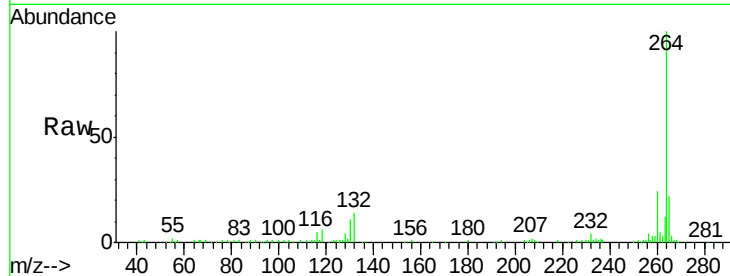
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF081527.D
Acq: 8 Sep 2015 17:39

Instrument :
BNA_F
ClientSampleId :
SB001DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	16.7	25.1
265	22.5	17.2	25.8

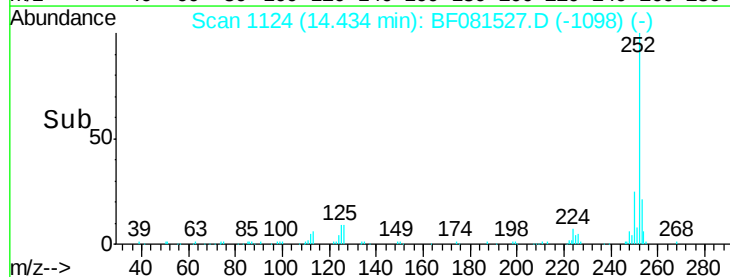
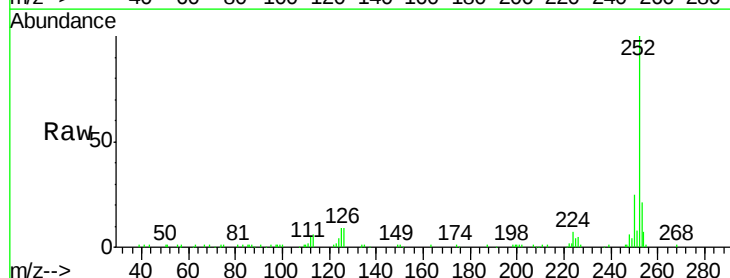
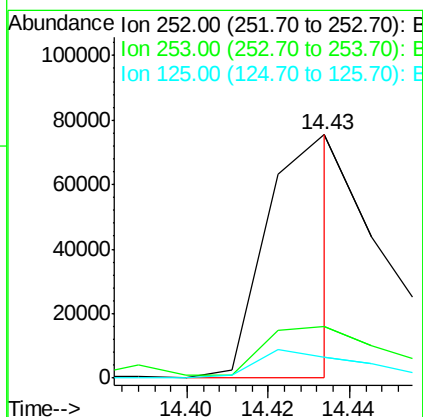
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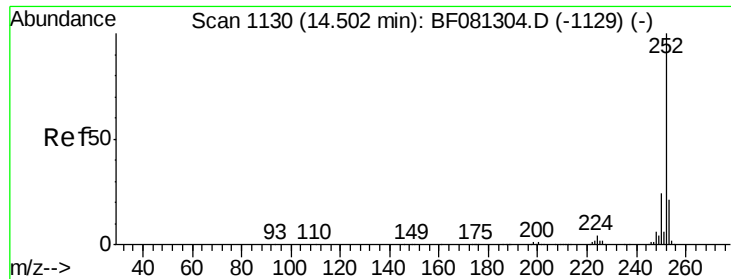
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#87
Benzo(b)fluoranthene
Concen: 15.11 ng m
RT: 14.43 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF081527.D
Acq: 8 Sep 2015 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	8.6	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 9.19 ng m

RT: 14.43 min Scan# 1124

Delta R.T. -0.02 min

Lab File: BF081527.D

Acq: 8 Sep 2015 17:39

Instrument :

BNA_F

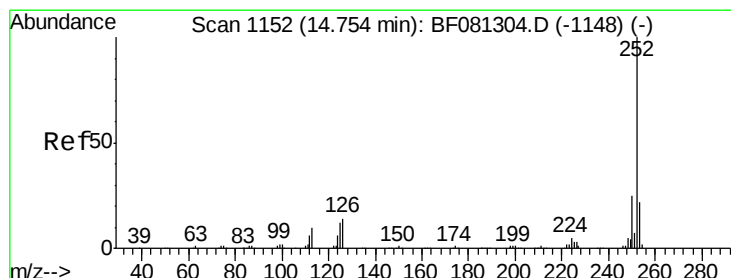
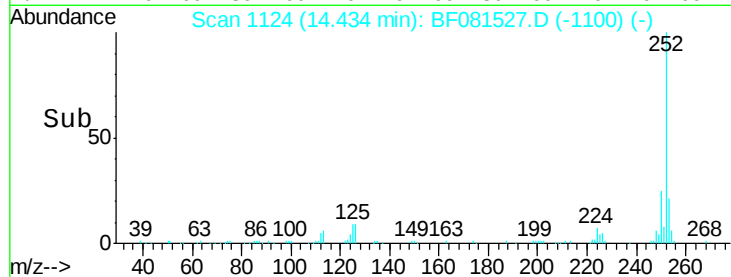
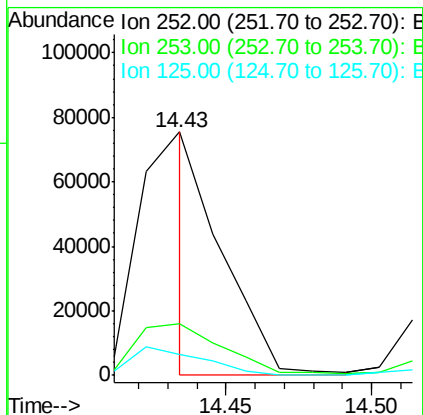
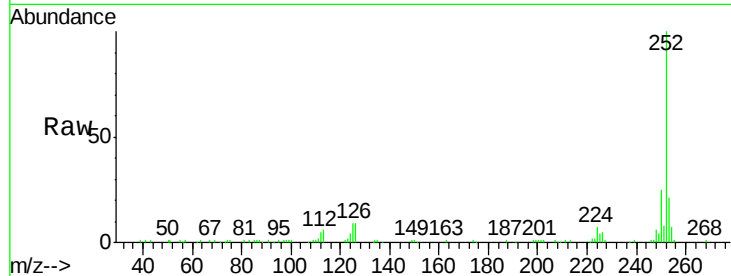
ClientSampleId :

SB001DL

Tgt Ion:	252	Resp:	48926
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.0	25.4
125	8.6	16.0	24.0#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 14.47 ng

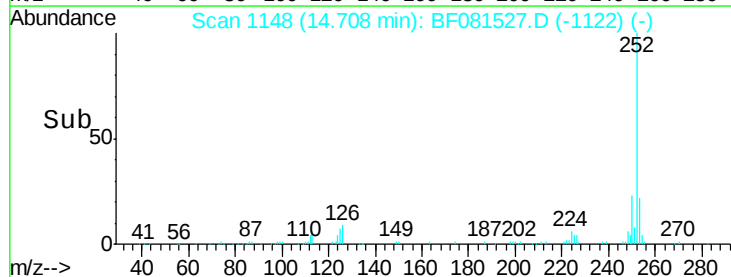
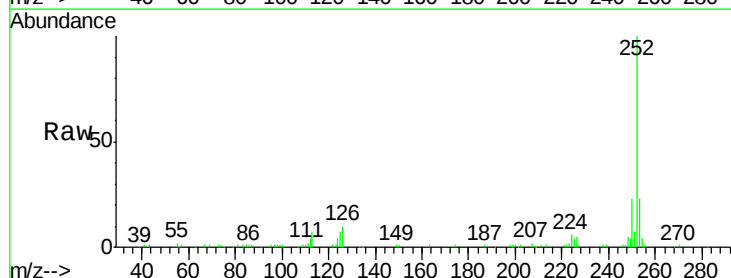
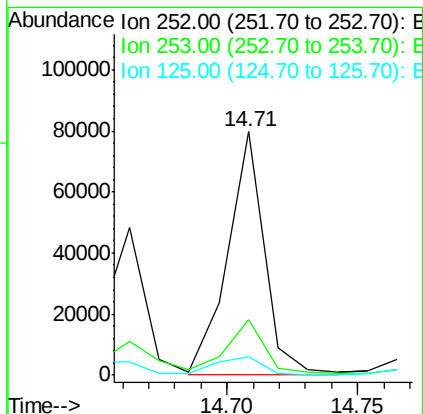
RT: 14.71 min Scan# 1148

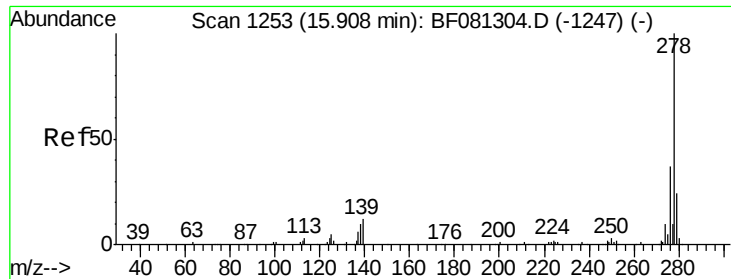
Delta R.T. 0.00 min

Lab File: BF081527.D

Acq: 8 Sep 2015 17:39

Tgt Ion:	252	Resp:	78656
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	7.4	18.0	27.0#





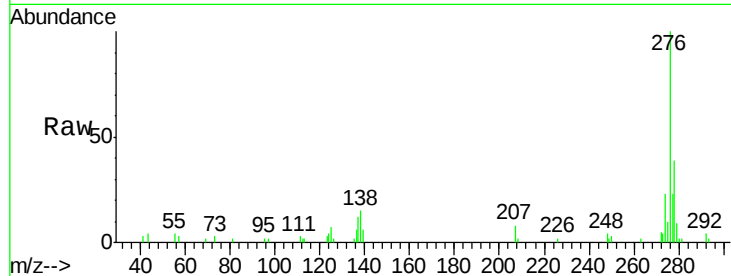
#90
Dibenzo(a,h)anthracene
Concen: 2.82 ng
RT: 15.83 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF081527.D
Acq: 8 Sep 2015 17:39

Instrument :
BNA_F
ClientSampleId :
SB001DL

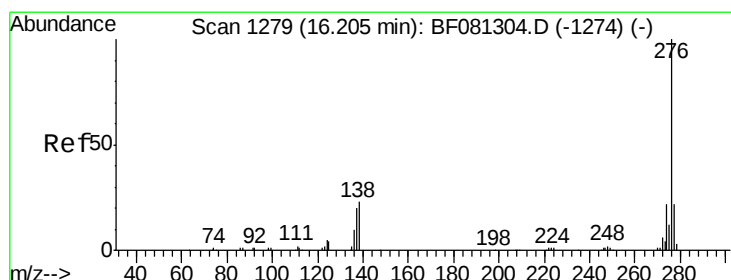
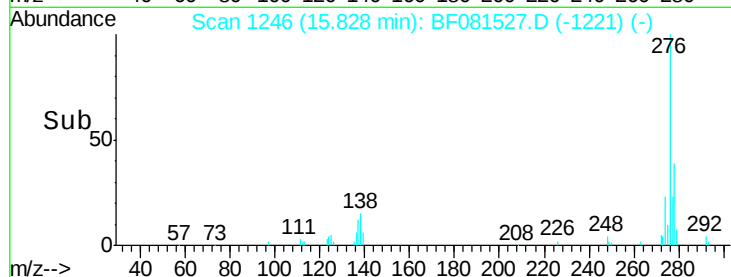
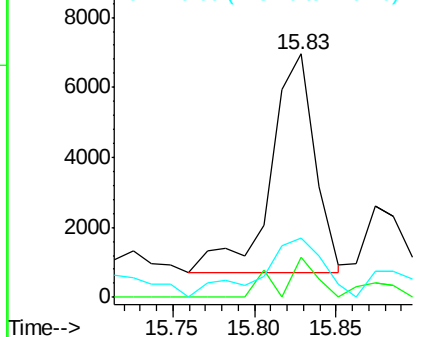
Tgt Ion:	278	Resp:	11857
Ion Ratio	Lower	Upper	
278	100		
139	16.5	26.3	39.5#
279	24.5	18.2	27.4

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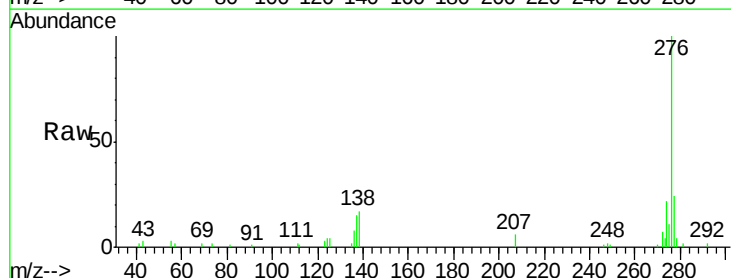


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 11.85 ng
RT: 16.14 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF081527.D
Acq: 8 Sep 2015 17:39

Tgt Ion:	276	Resp:	47477
Ion Ratio	Lower	Upper	
276	100		
277	24.1	17.8	26.6
138	17.4	34.6	51.8#



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

