

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
 Data File : BF090262.D
 Acq On : 27 Sep 2016 20:00
 Operator : UM/SJ
 Sample : H4949-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1-1-LOC-1(0-5)

Manual Integrations
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Quant Time: Sep 28 01:18:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	124985m	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	476878m	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	244290	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	340495	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	270438	20.00	ng	-0.02
86) Perylene-d12	14.90	264	263824	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	773456	100.87	ng	0.00
7) Phenol-d6	6.14	99	1101994	116.37	ng	0.00
23) Nitrobenzene-d5	7.05	82	626238	76.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	189072	90.21	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	1015805	81.63	ng	-0.01
78) Terphenyl-d14	12.55	244	565188	53.06	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.36	152	54448	2.60	ng	100
49) Dimethylphthalate	9.24	163	440791	28.33	ng	99
70) Phenanthrene	10.99	178	255474	16.04	ng	98
71) Anthracene	11.04	178	83296	4.99	ng	98
74) Fluoranthene	12.16	202	449977	26.33	ng	96
77) Pyrene	12.39	202	438162	23.68	ng	99
80) Benzo(a)anthracene	13.57	228	274821	18.89	ng	94
82) Chrysene	13.60	228	197864m	13.96	ng	
83) Bis(2-ethylhexyl)phthalate	13.60	149	58510	5.05	ng	99
85) Indeno(1,2,3-cd)pyrene	16.05	276	134109	11.70	ng	# 91
87) Benzo(b)fluoranthene	14.56	252	304184m	20.82	ng	
88) Benzo(k)fluoranthene	14.57	252	132920m	9.69	ng	
89) Benzo(a)pyrene	14.85	252	222939	16.22	ng	# 90
90) Dibenzo(a,h)anthracene	16.05	278	36329	3.39	ng	# 83
91) Benzo(a,h,i)perylene	16.38	276	123198	11.74	ng	96

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

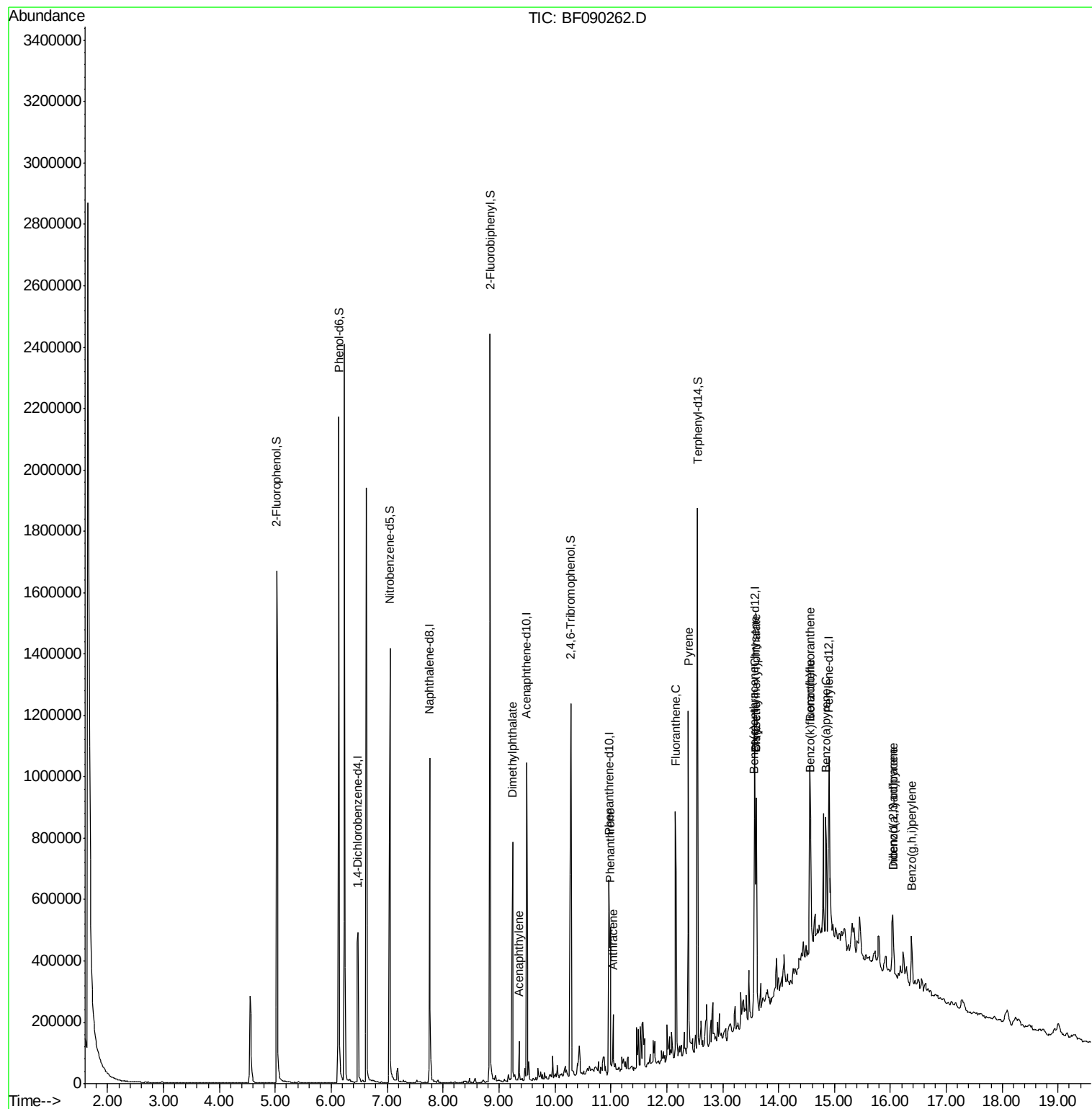
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090262.D
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Sample : H4949-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

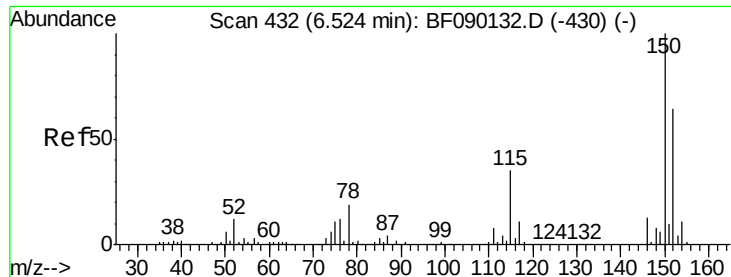
Instrument :
BNA_F
ClientSampleId :
S-1-1-LOC-1(0-5)

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#1

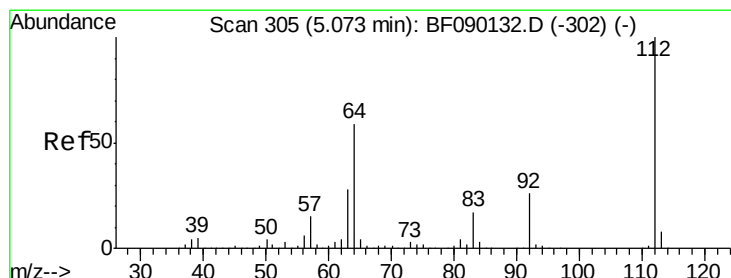
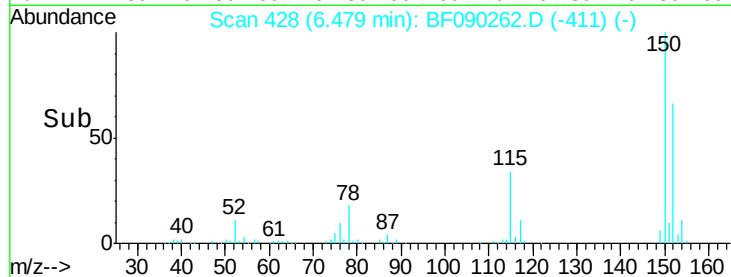
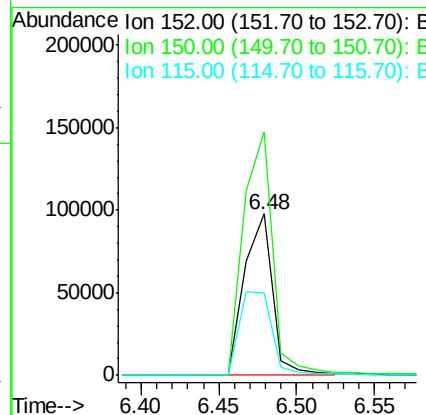
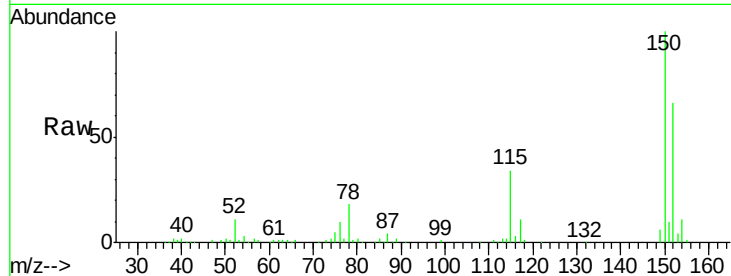
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.48 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF090262.D
Acq: 27 Sep 2016 20:00

Instrument :
BNA_F
ClientSampled :
S-1-1-LOC-1(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	128.9	193.3
115	51.1	55.5	83.3

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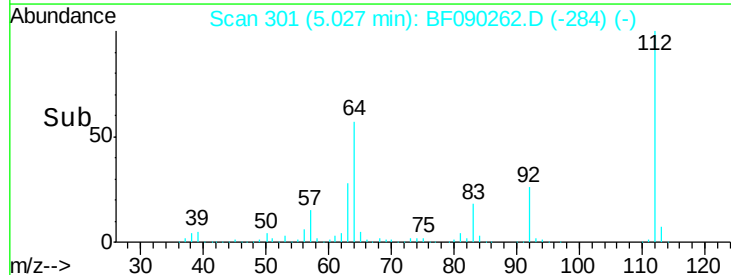
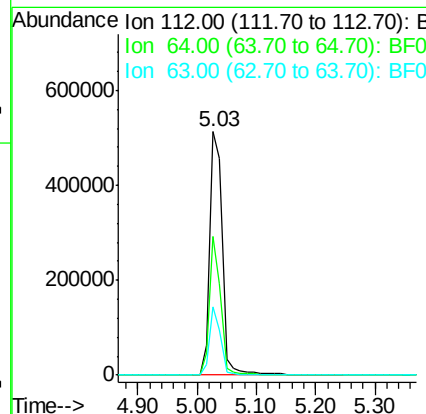
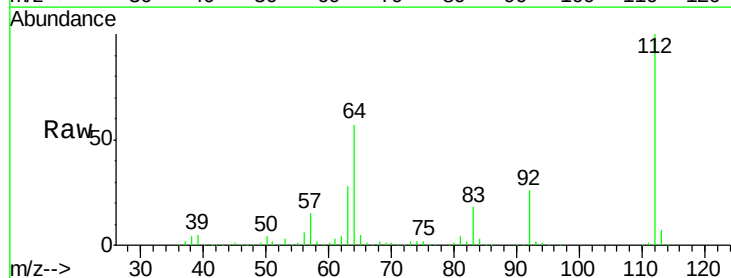
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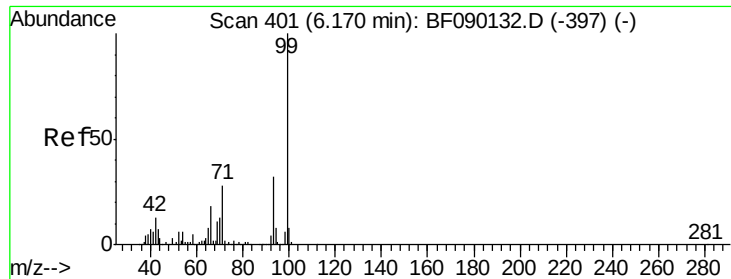


#5

2-Fluorophenol
Concen: 100.87 ng
RT: 5.03 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF090262.D
Acq: 27 Sep 2016 20:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	39.8	59.6
63	27.9	18.9	28.3





#7

Phenol-d6

Concen: 116.37 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF090262.D

Acq: 27 Sep 2016 20:00

Instrument :

BNA_F

ClientSampleId :

S-1-1-LOC-1(0-5)

Tot Ion: 99 Resp: 1101994

Ion Ratio Lower Upper

99 100

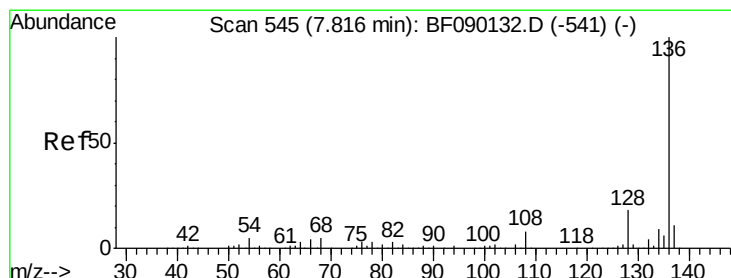
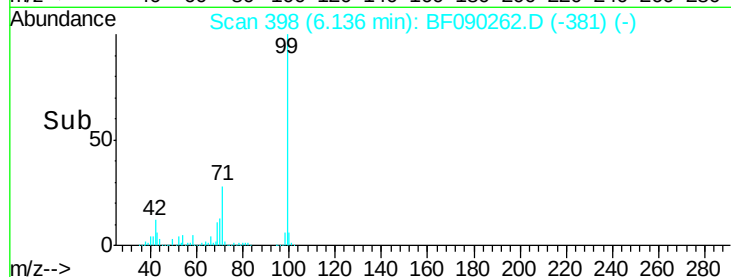
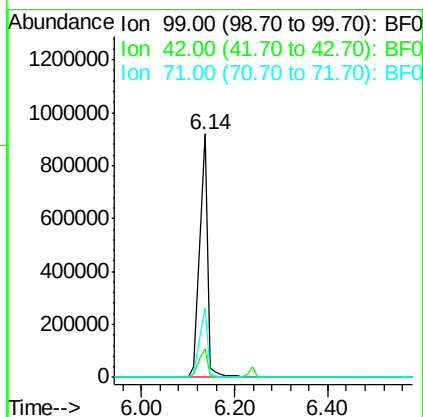
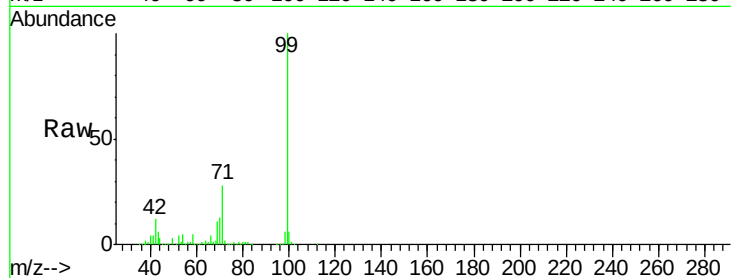
42 11.8 10.6 15.8

71 28.4 23.0 34.6

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#21

Naphthalene-d8

Concen: 20.00 ng m

RT: 7.76 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF090262.D

Acq: 27 Sep 2016 20:00

Tgt Ion: 136 Resp: 476878

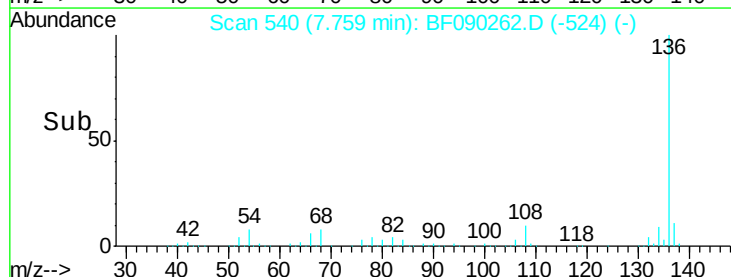
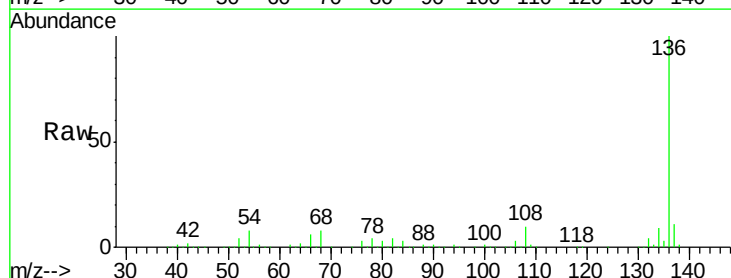
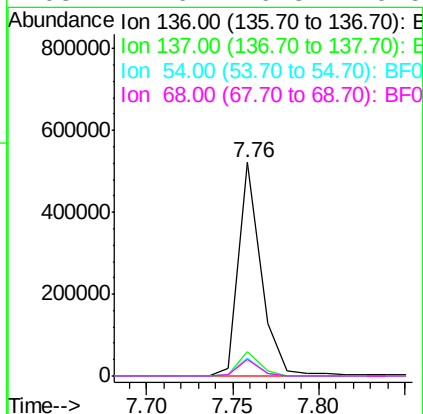
Ion Ratio Lower Upper

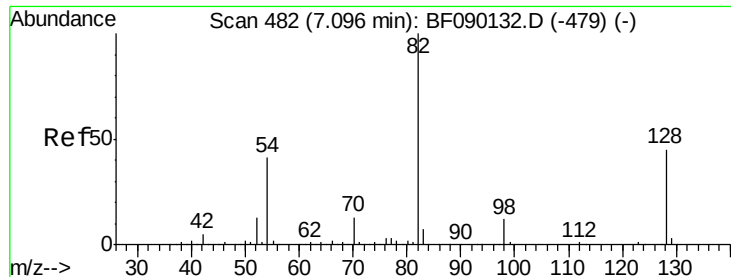
136 100

137 11.5 9.0 13.4

54 8.2 6.4 9.6

68 7.6 6.3 9.5





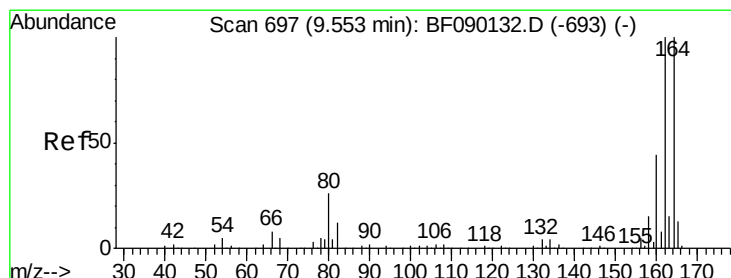
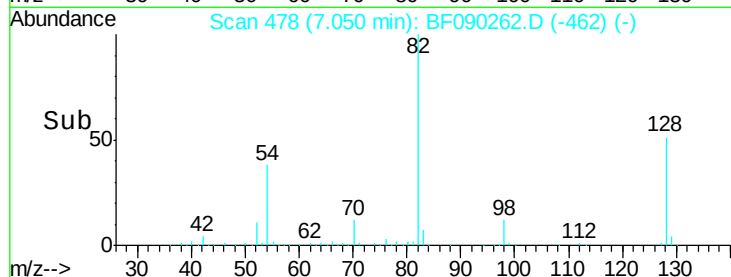
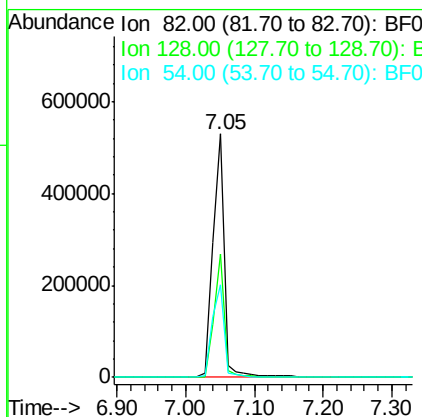
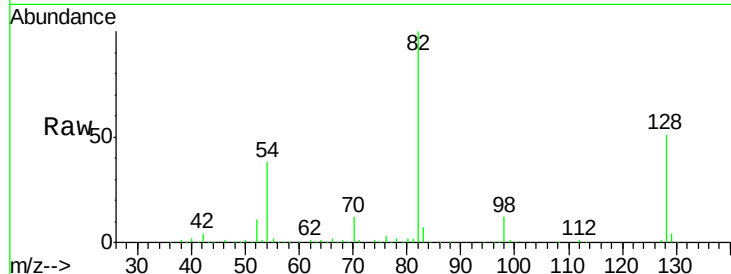
#23
 Nitrobenzene-d5
 Concen: 76.12 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 S-1-1-LOC-1(0-5)

Tot Ion	82	Resp	626238
Ion	Ratio	Lower	Upper
82	100		
128	50.9	37.5	56.3
54	37.8	31.9	47.9

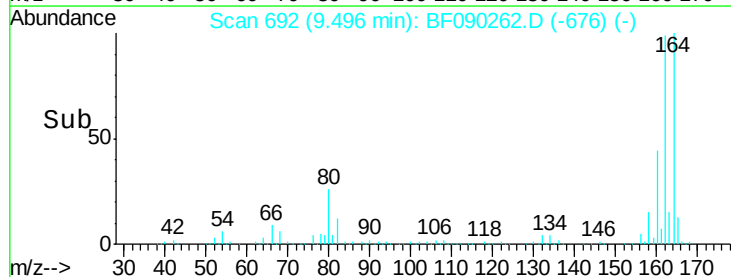
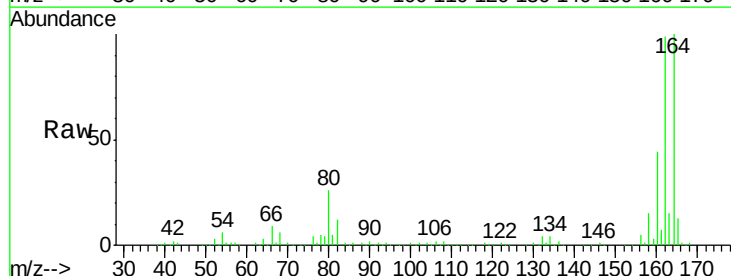
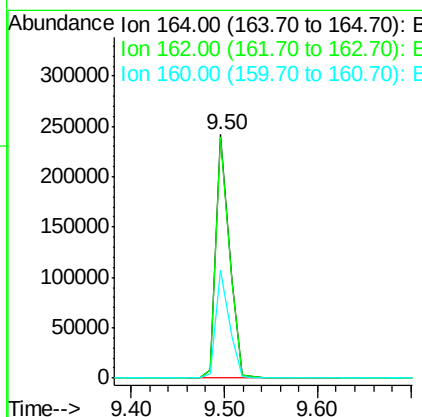
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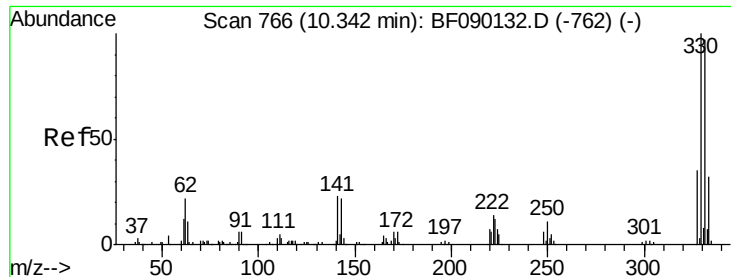
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Tgt Ion	164	Resp	244290
Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.4	122.2
160	44.4	36.6	54.8





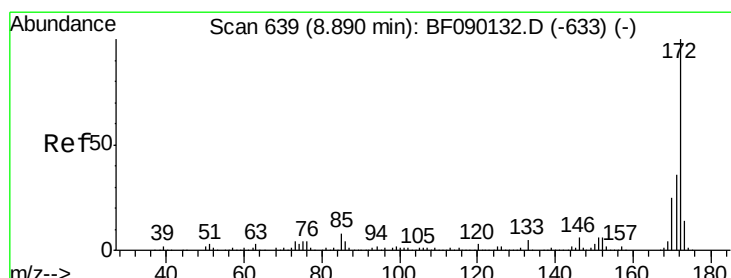
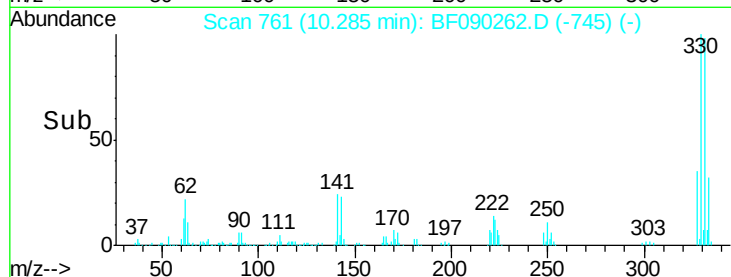
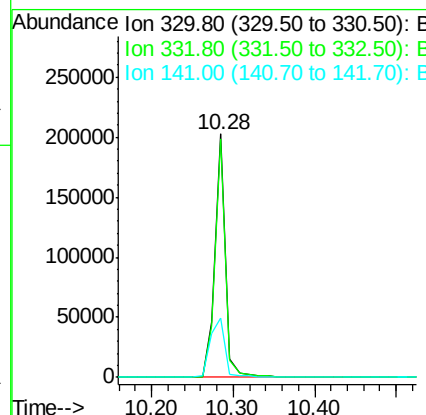
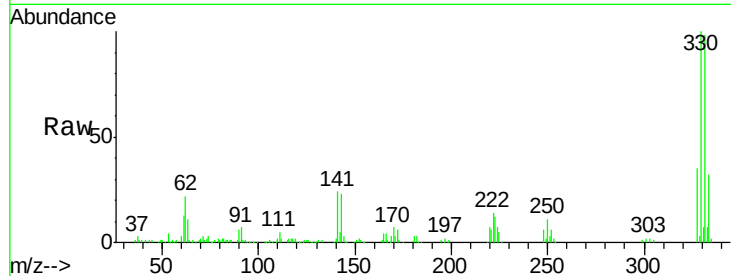
#41
 2,4,6-Tribromophenol
 Concen: 90.21 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 S-1-1-LOC-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	189072		
332	97.3		78.1	117.1
141	34.2		23.9	35.9

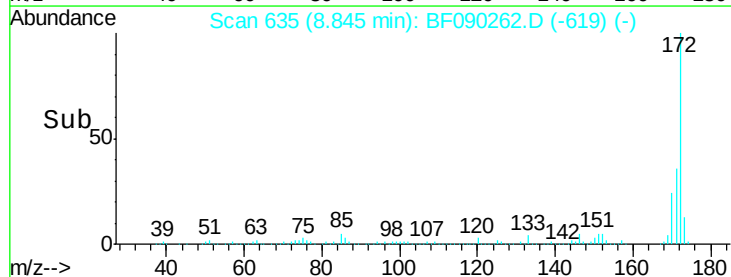
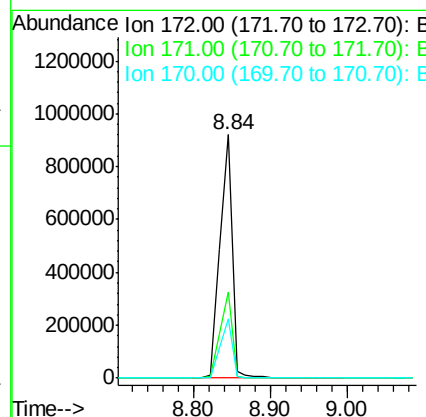
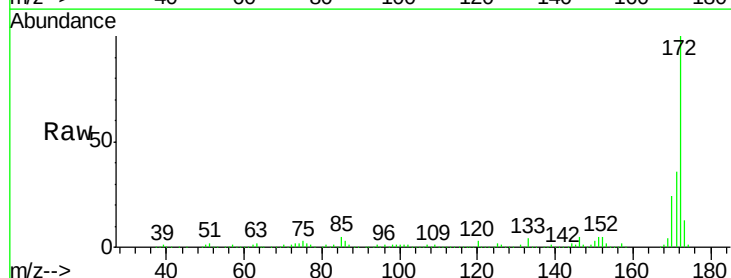
Manual Integrations
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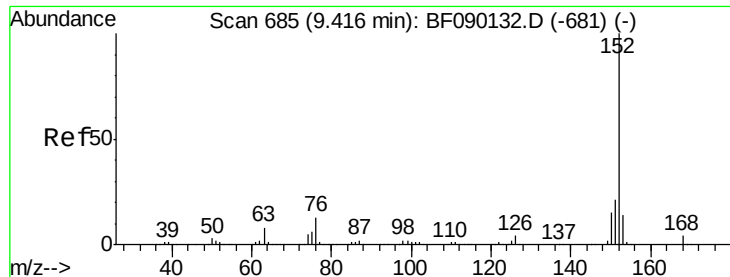
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#44
 2-Fluorobiphenyl
 Concen: 81.63 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1015805		
171	35.6		29.2	43.8
170	24.4		19.8	29.8





#48

Acenaphthylene

Concen: 2.60 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF090262.D

Acq: 27 Sep 2016 20:00

Instrument :

BNA_F

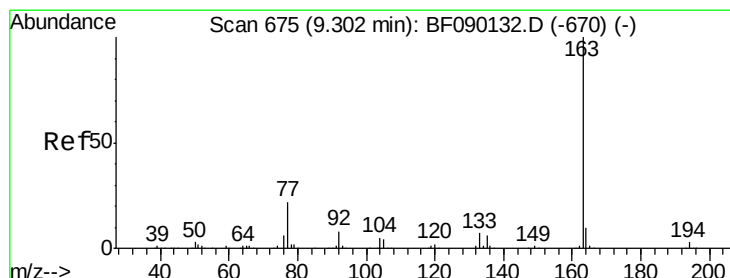
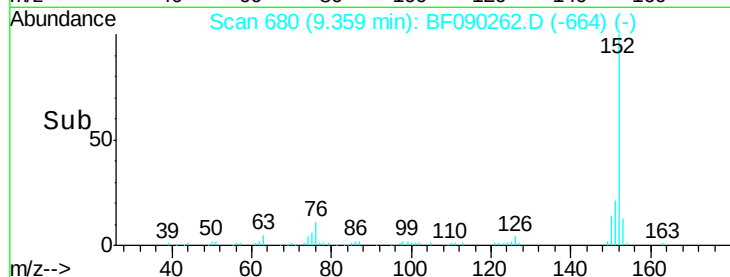
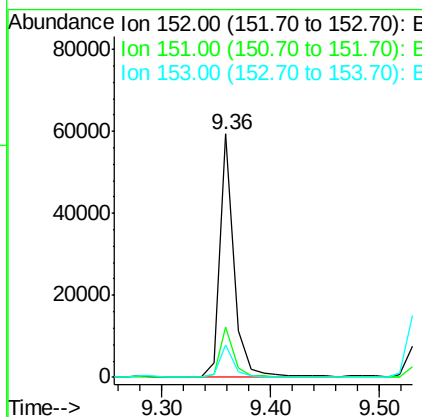
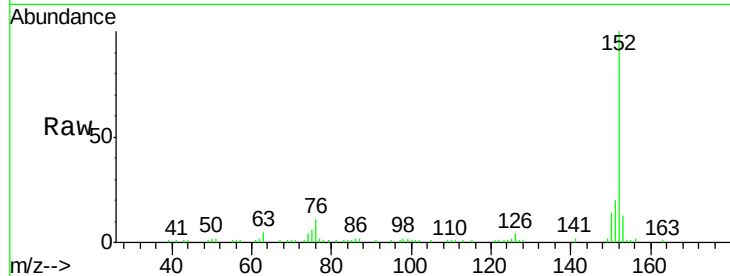
ClientSampleId :

S-1-1-LOC-1(0-5)

Tot Ion:	152	Resp:	54448
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.5	24.7
153	13.5	10.6	15.8

Manual Integrations
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#49

Dimethylphthalate

Concen: 28.33 ng

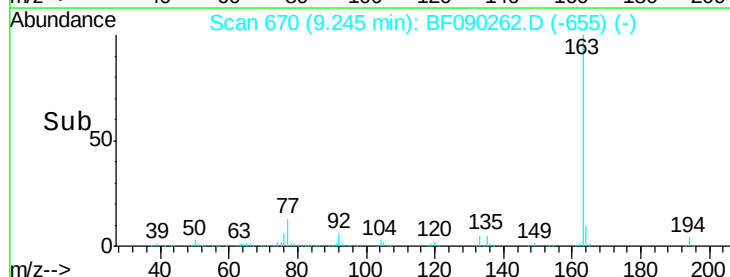
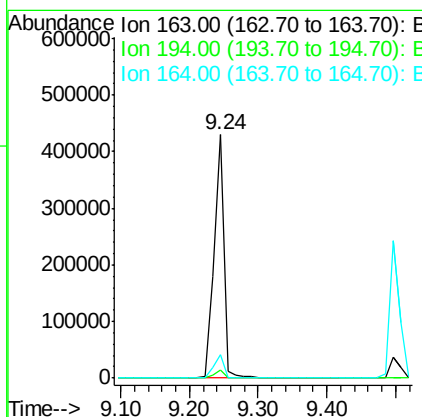
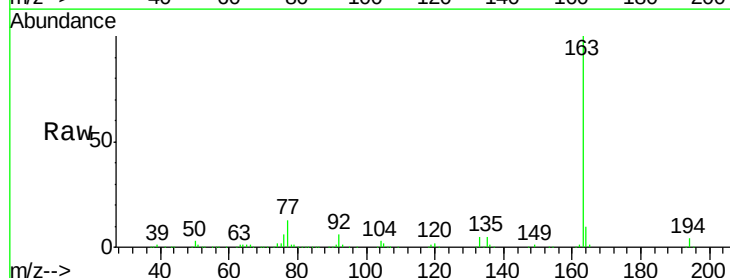
RT: 9.24 min Scan# 670

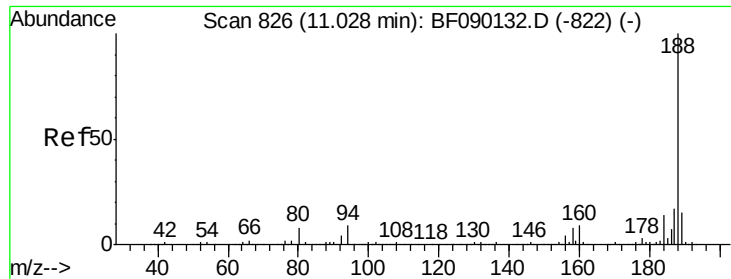
Delta R.T. -0.02 min

Lab File: BF090262.D

Acq: 27 Sep 2016 20:00

Tgt Ion:	163	Resp:	440791
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.8	4.2
164	9.6	8.1	12.1





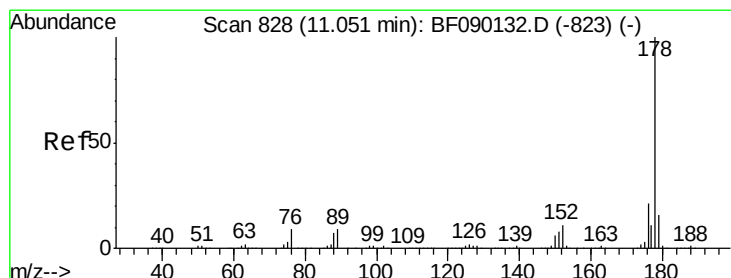
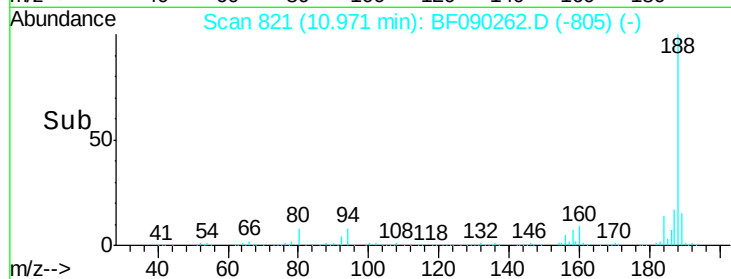
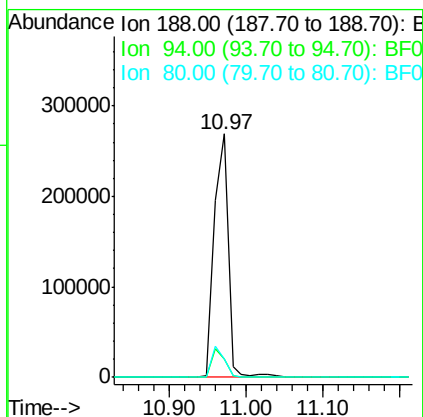
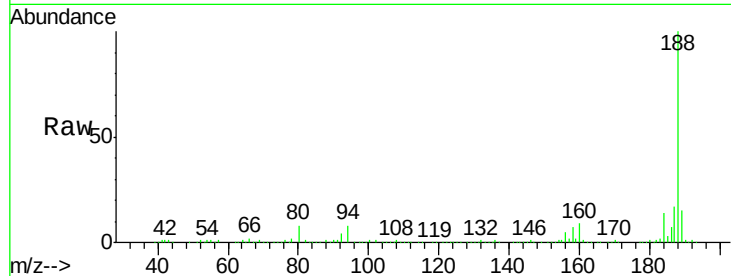
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 S-1-1-LOC-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	340495		
94	7.8	10.5	15.7#	
80	7.6	11.2	16.8#	

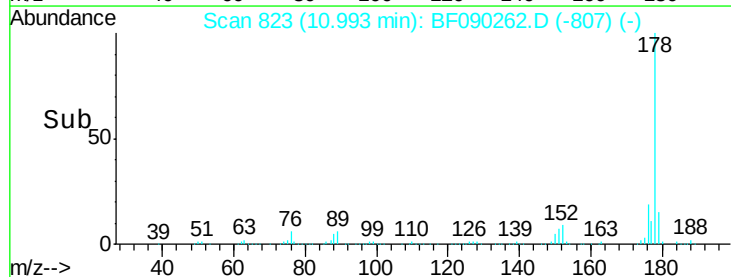
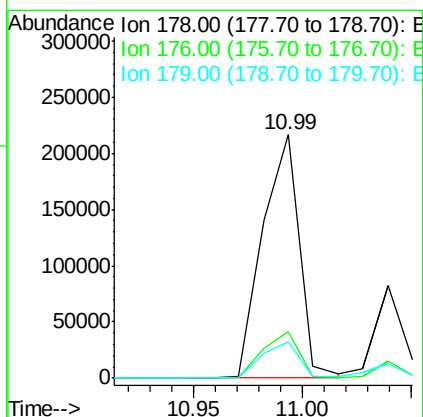
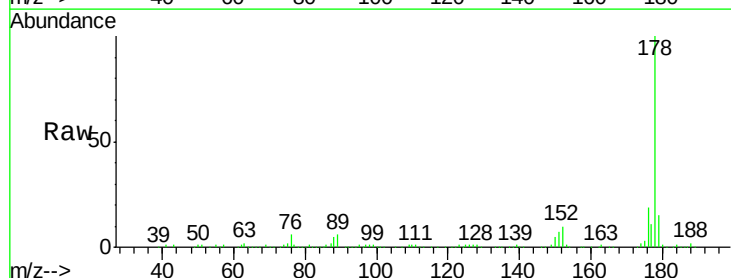
Manual Integrations
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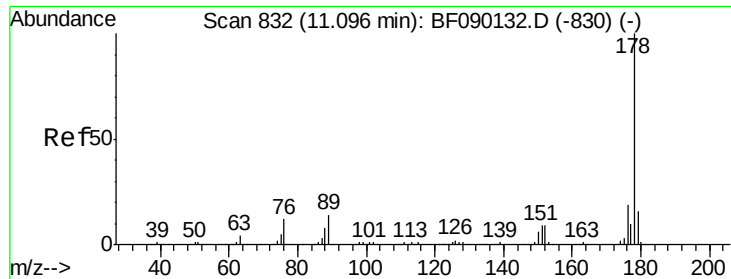
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#70
 Phenanthrene
 Concen: 16.04 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	255474		
176	19.3	15.9	23.9	
179	14.9	12.9	19.3	





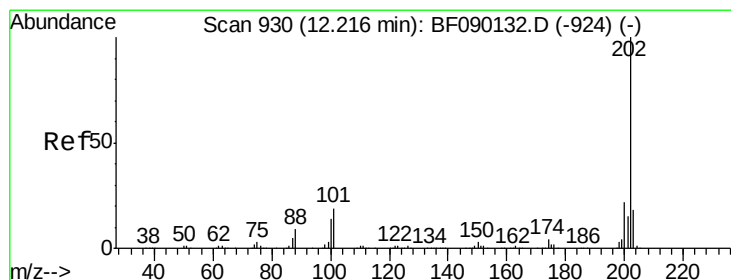
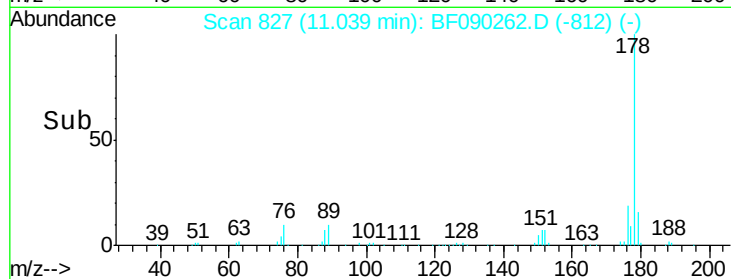
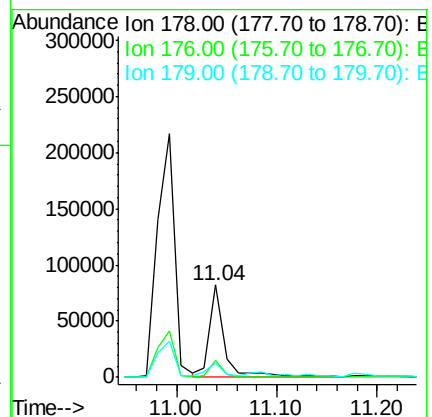
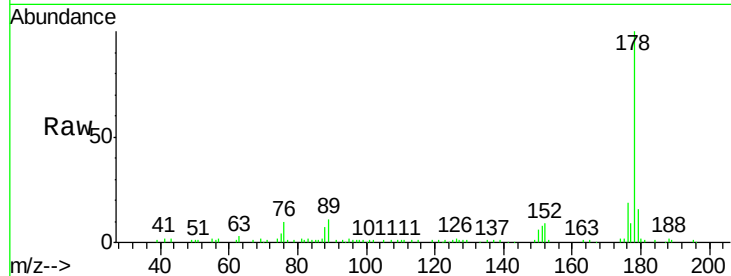
#71
 Anthracene
 Concen: 4.99 ng
 RT: 11.04 min Scan# 827
 Delta R.T. -0.02 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 S-1-1-LOC-1(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	16.2	12.6	19.0

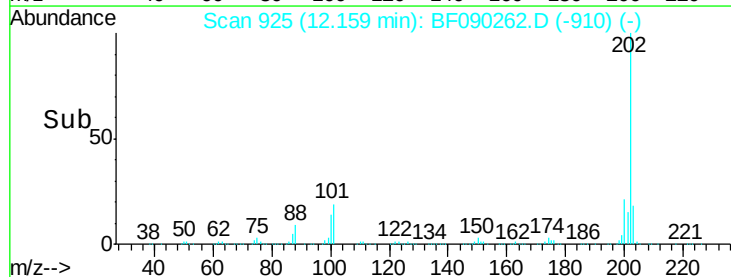
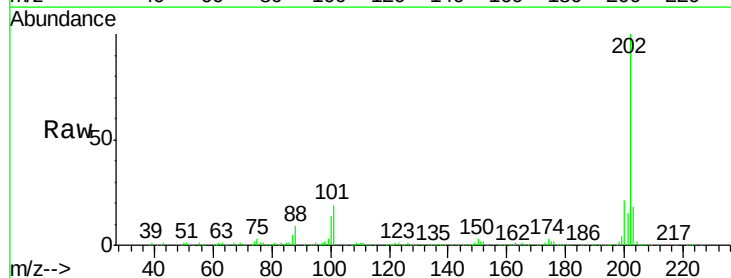
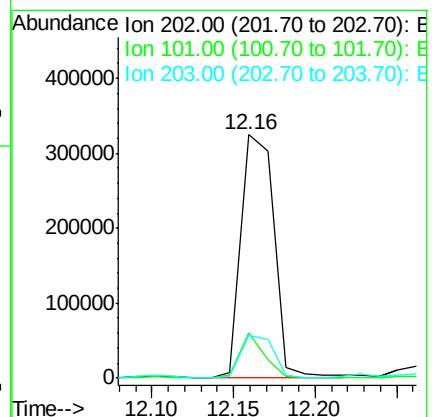
Manual Integrations
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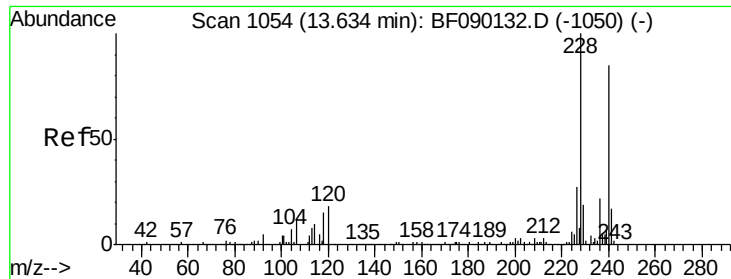
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#74
 Fluoranthene
 Concen: 26.33 ng
 RT: 12.16 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.8	0.0	36.1
203	17.7	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090262.D

Acq: 27 Sep 2016 20:00

Instrument :

BNA_F

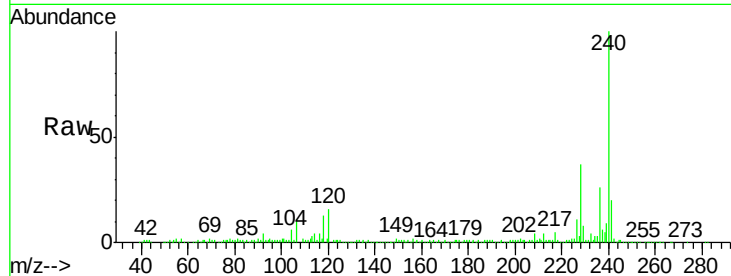
ClientSampleId :

S-1-1-LOC-1(0-5)

Tot Ion:	240	Resp:	270438
Ion Ratio	Lower	Upper	
240	100		
120	15.6	10.6	16.0
236	25.7	21.6	32.4

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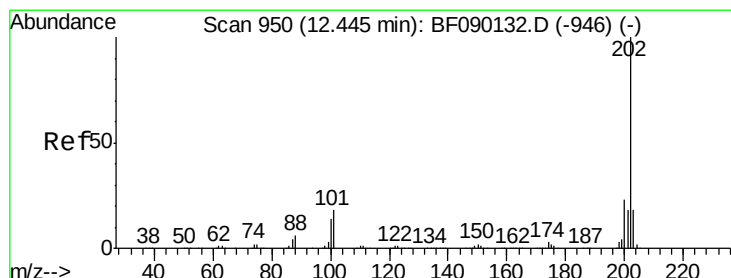
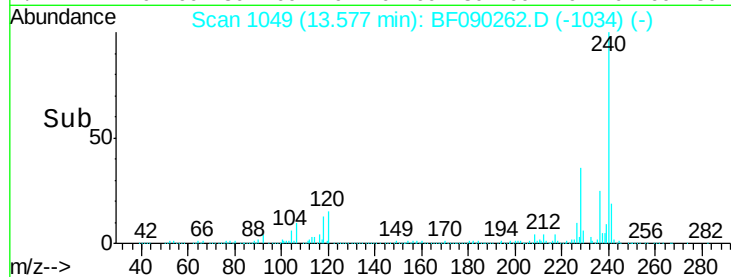
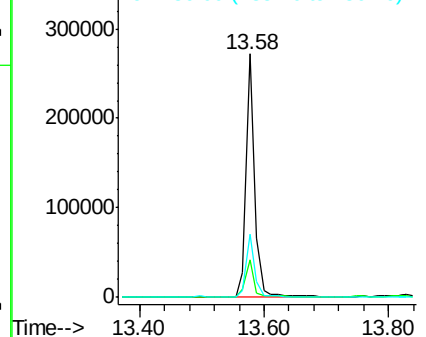
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 23.68 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090262.D

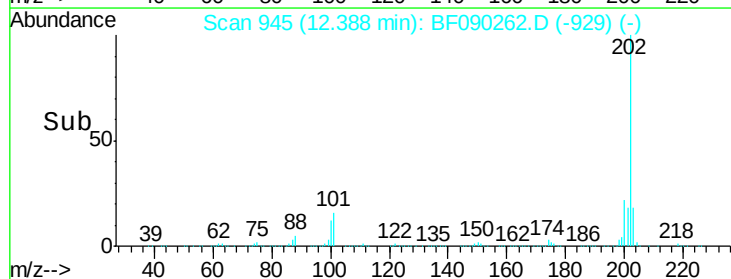
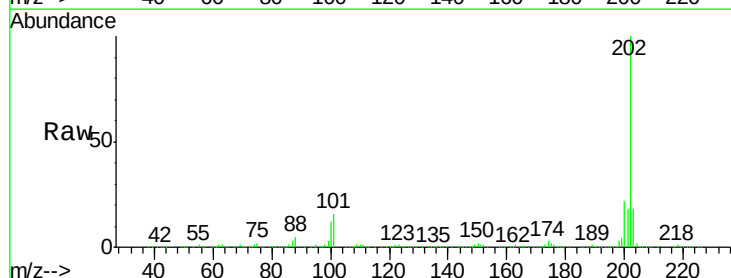
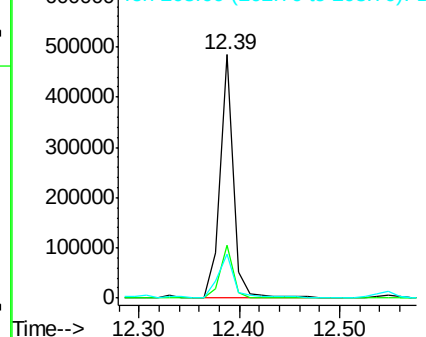
Acq: 27 Sep 2016 20:00

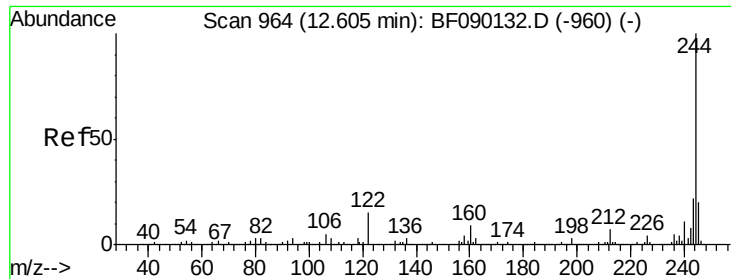
Tgt Ion:	202	Resp:	438162
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.9	26.9
203	18.1	14.2	21.4

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: 53.06 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF090262.D

Acq: 27 Sep 2016 20:00

Instrument :

BNA_F

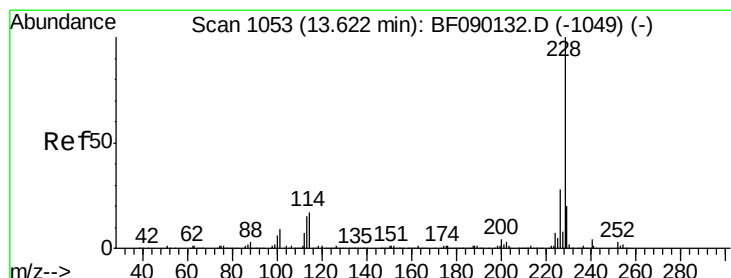
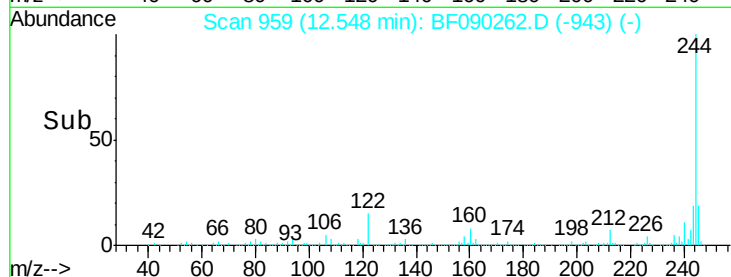
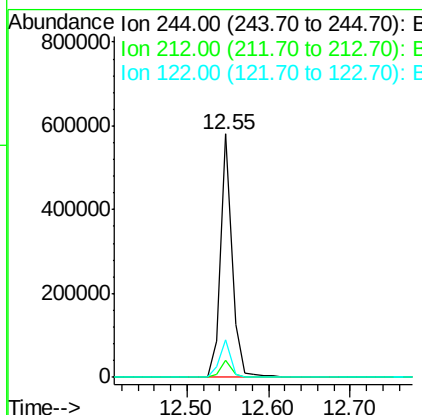
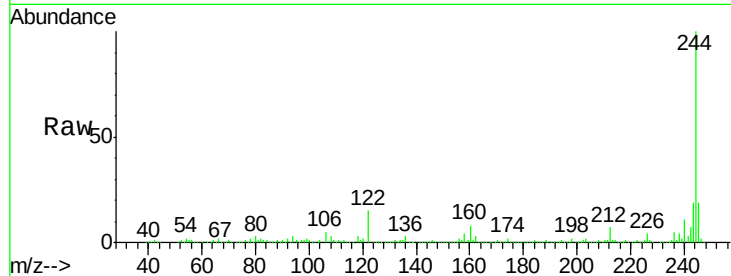
ClientSampleId :

S-1-1-LOC-1(0-5)

Tot Ion:	244	Resp:	565188
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.8
122	15.2	9.4	14.0

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#80

Benzo(a)anthracene

Concen: 18.89 ng

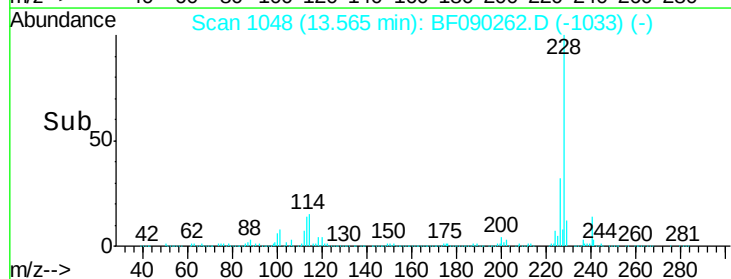
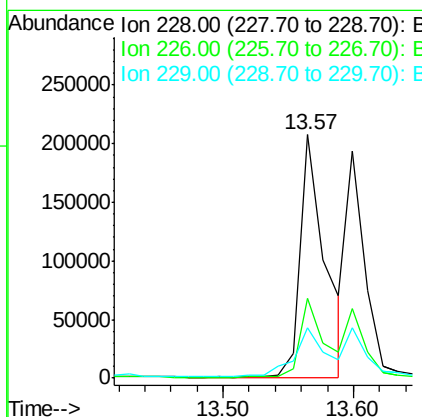
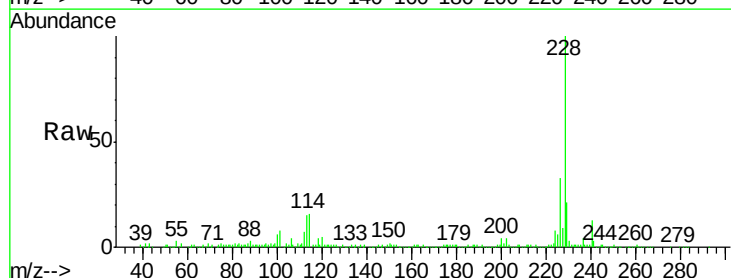
RT: 13.57 min Scan# 1048

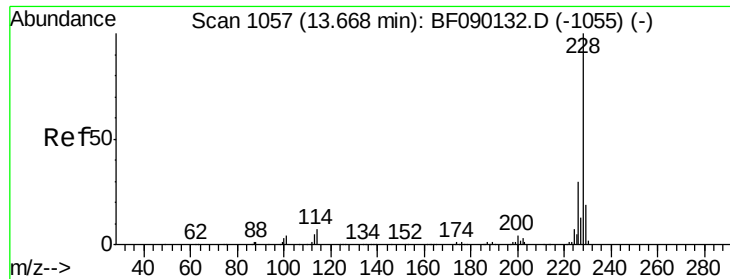
Delta R.T. -0.02 min

Lab File: BF090262.D

Acq: 27 Sep 2016 20:00

Tgt Ion:	228	Resp:	274821
Ion Ratio	Lower	Upper	
228	100		
226	32.7	22.0	33.0
229	20.9	16.2	24.2





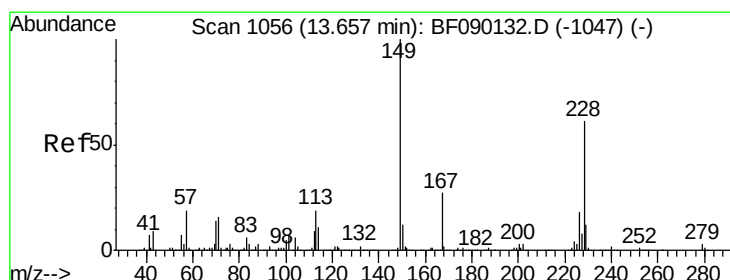
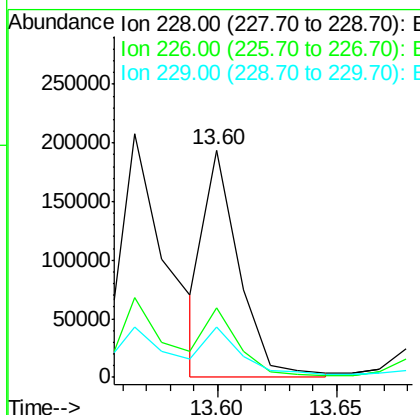
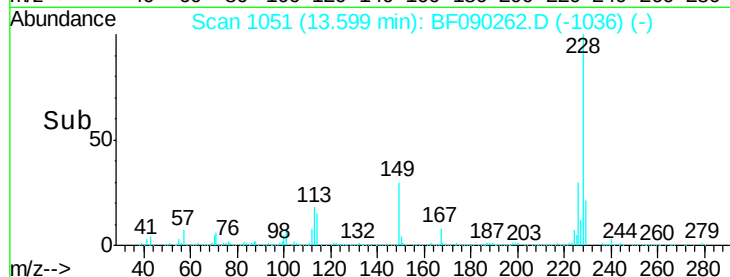
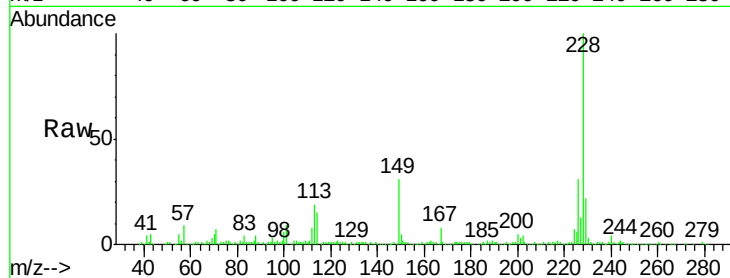
#82
 Chrysene
 Concen: 13.96 ng/mL
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 S-1-1-LOC-1(0-5)

Tot Ion:	228	Resp:	197864
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.6	37.0
229	22.4	16.2	24.4

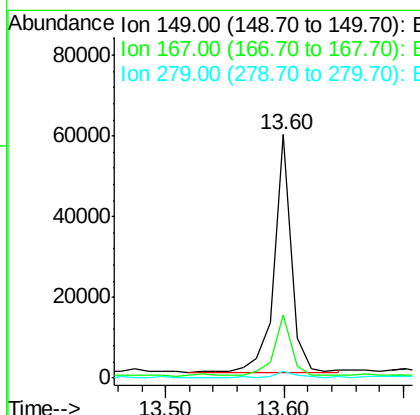
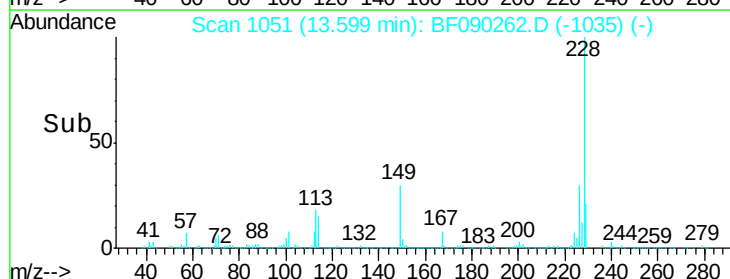
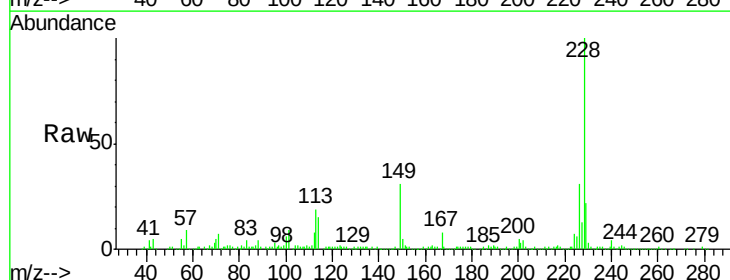
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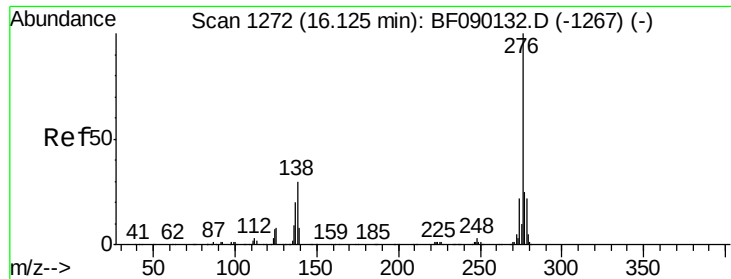
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.05 ng/mL
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF090262.D
 Acq: 27 Sep 2016 20:00

Tgt Ion:	149	Resp:	58510
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.2	31.8
279	3.1	2.2	3.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 11.70 ng

RT: 16.05 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF090262.D

Acq: 27 Sep 2016 20:00

Instrument :

BNA_F

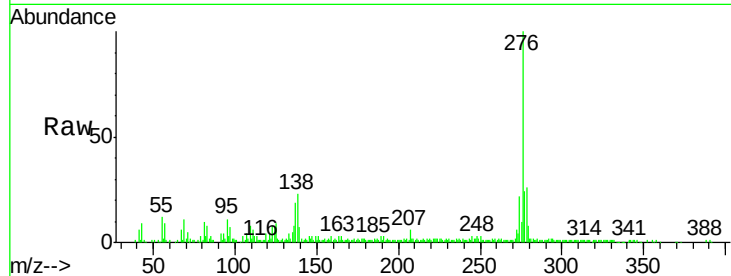
ClientSampleId :

S-1-1-LOC-1(0-5)

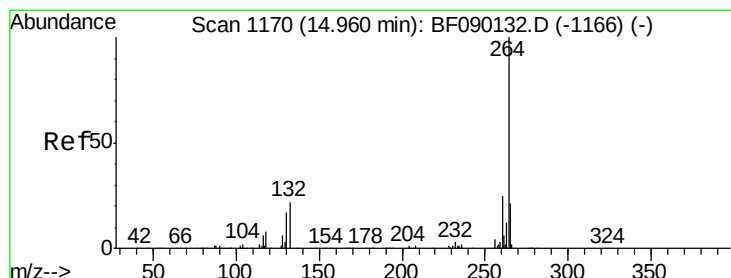
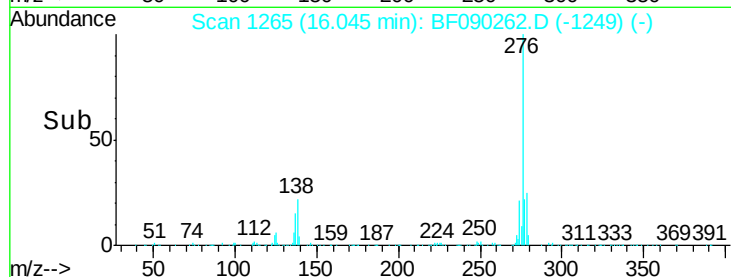
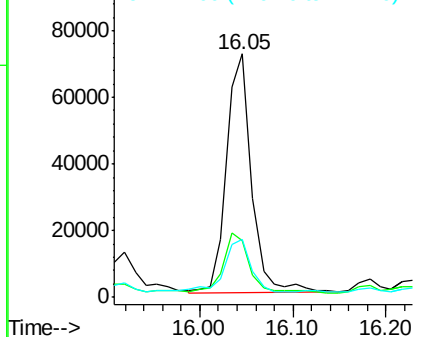
Tot Ion:	276	Resp:	134109
Ion Ratio		Lower	Upper
276	100		
138	23.8	25.9	38.9#
277	25.0	19.9	29.9

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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

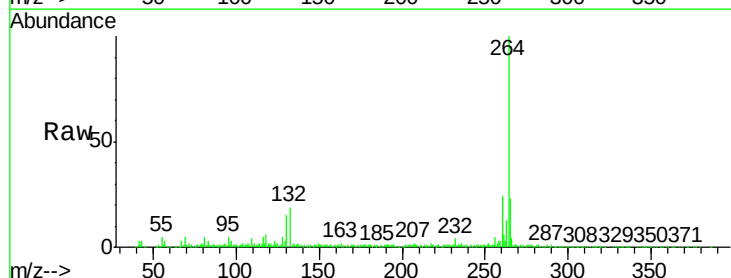
RT: 14.90 min Scan# 1165

Delta R.T. -0.01 min

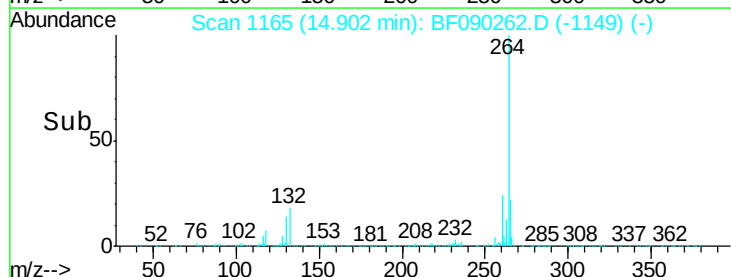
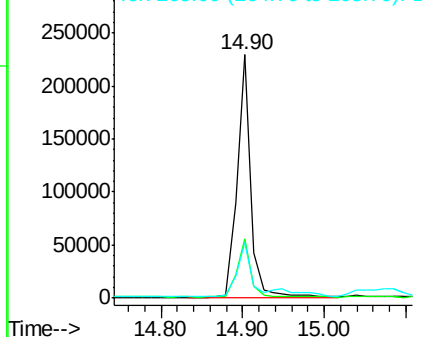
Lab File: BF090262.D

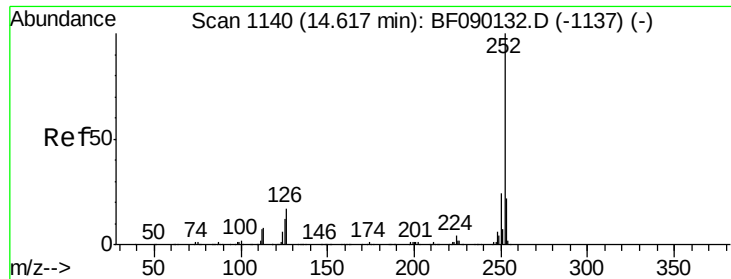
Acq: 27 Sep 2016 20:00

Tgt Ion:	264	Resp:	263824
Ion Ratio		Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.8	17.0	25.4



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





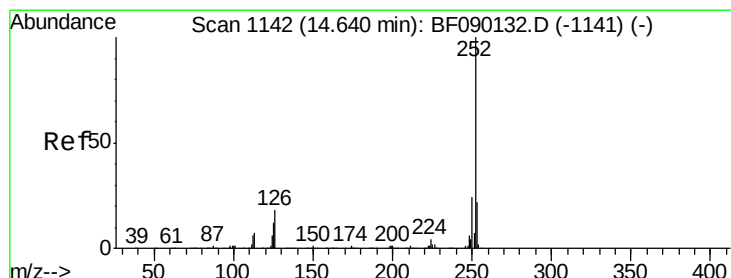
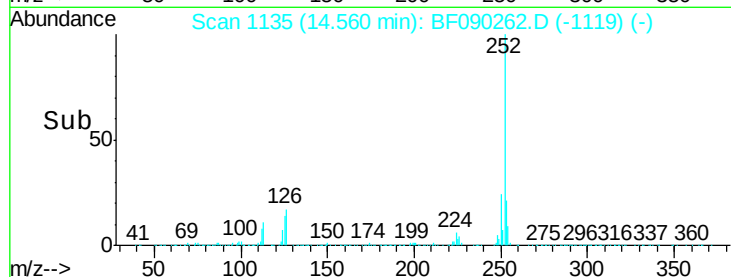
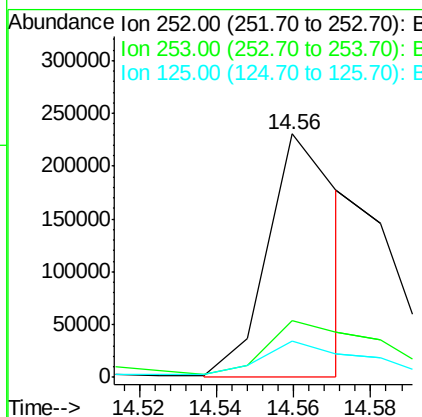
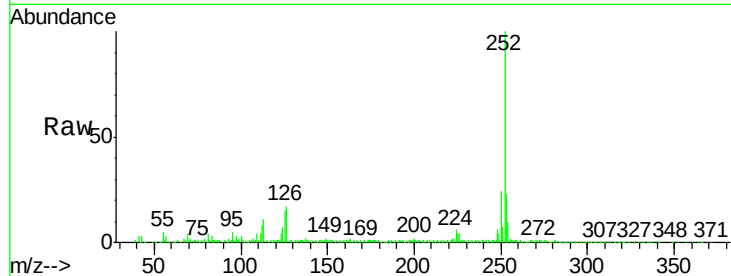
#87
Benzo(b)fluoranthene
Concen: 20.82 ng m
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF090262.D
Acq: 27 Sep 2016 20:00

Instrument :
BNA_F
ClientSampleId :
S-1-1-LOC-1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.7	12.7	19.1

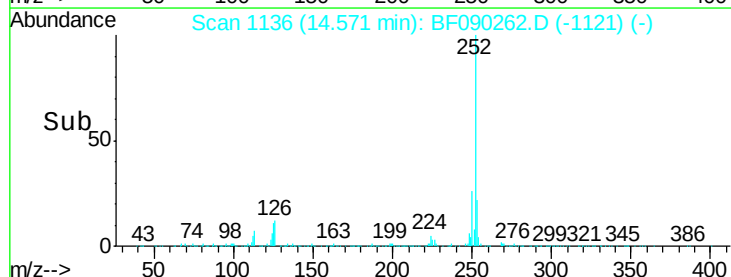
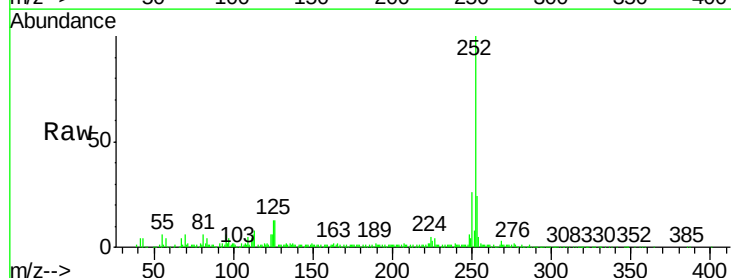
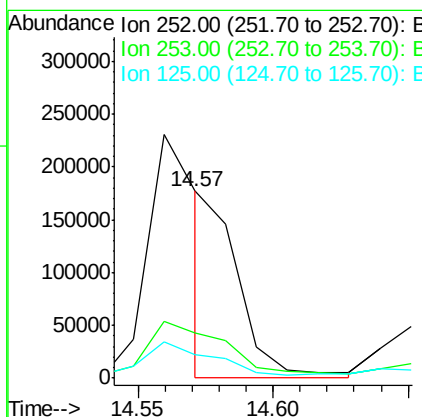
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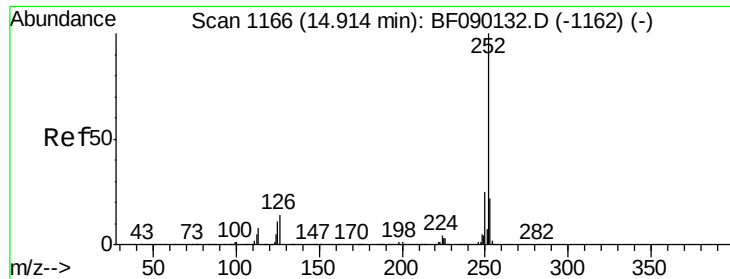
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#88
Benzo(k)fluoranthene
Concen: 9.69 ng m
RT: 14.57 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF090262.D
Acq: 27 Sep 2016 20:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	12.8	7.8	11.6#





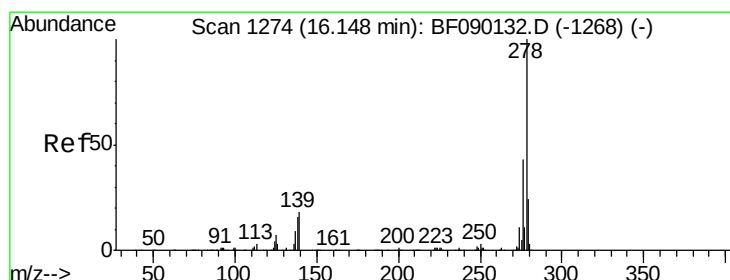
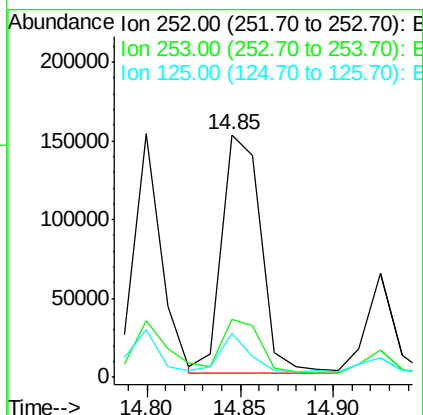
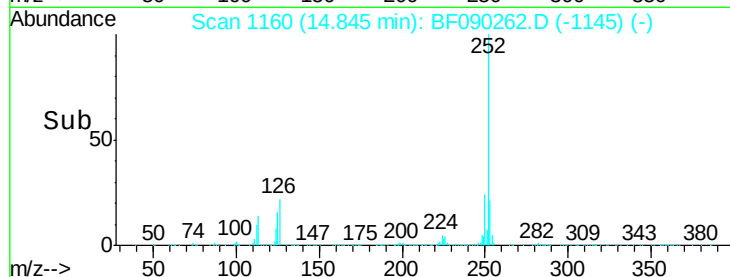
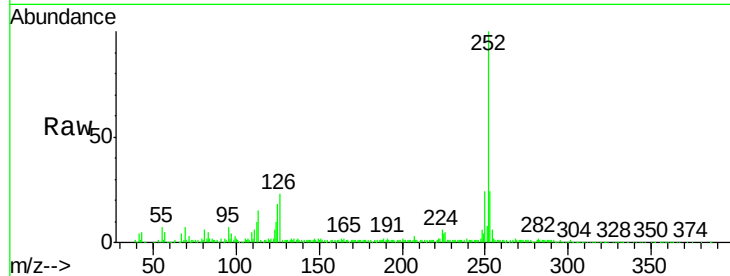
#89
Benzo(a)pyrene
Concen: 16.22 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF090262.D
Acq: 27 Sep 2016 20:00

Instrument :
BNA_F
ClientSampleId :
S-1-1-LOC-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	222939		
253	23.7		17.4	26.0
125	18.1		7.7	11.5#

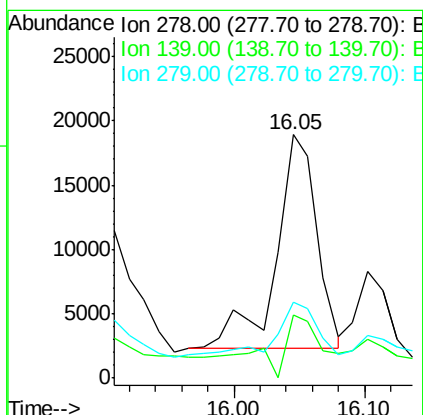
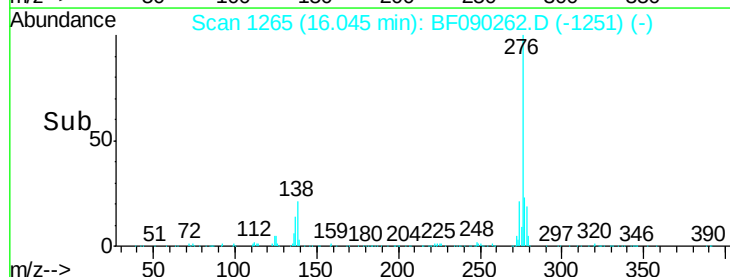
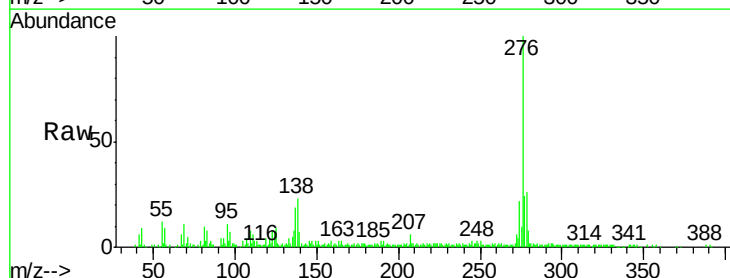
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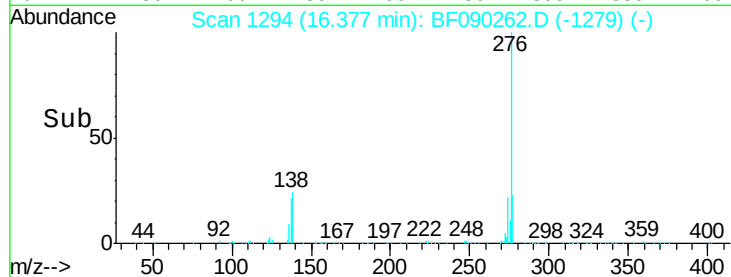
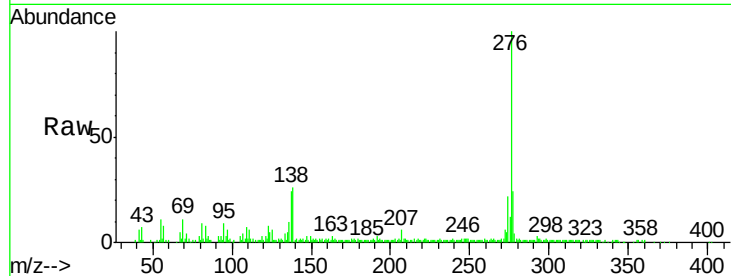
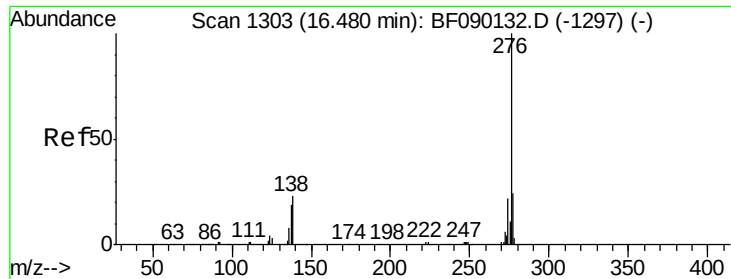
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#90
Dibenzo(a,h)anthracene
Concen: 3.39 ng
RT: 16.05 min Scan# 1265
Delta R.T. -0.03 min
Lab File: BF090262.D
Acq: 27 Sep 2016 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	36329		
139	26.2		14.6	21.8#
279	31.4		18.8	28.2#





#91

Benzo(a,h,i)perylene

Concen: 11.74 ng

RT: 16.38 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF090262.D

Acq: 27 Sep 2016 20:00

Instrument :

BNA_F

ClientSampleId :

S-1-1-LOC-1(0-5)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	18.9	28.3
138	26.1	23.3	34.9

Manual Integrations
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