

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
 Data File : BF090268.D
 Acq On : 27 Sep 2016 22:43
 Operator : UM/SJ
 Sample : H4949-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-4-1-LOC-4(0-5)

Manual Integrations
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Quant Time: Sep 28 11:52:16 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	126530m	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	480657m	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	234284	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	313063	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	263061	20.00	ng	-0.02
86) Perylene-d12	14.90	264	229229	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	390880	50.35	ng	0.00
7) Phenol-d6	6.14	99	527771	55.05	ng	0.00
23) Nitrobenzene-d5	7.04	82	269877	32.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	90375	44.96	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	521139	43.67	ng	-0.01
78) Terphenyl-d14	12.55	244	318259	30.72	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.36	152	95618	4.76	ng	Qvalue 99
49) Dimethylphthalate	9.24	163	196337	13.16	ng	99
70) Phenanthrene	10.99	178	208419	14.24	ng	98
71) Anthracene	11.04	178	69656	4.54	ng	97
72) Carbazole	11.20	167	34024	2.10	ng	96
74) Fluoranthene	12.17	202	403961	25.70	ng	91
77) Pyrene	12.39	202	348654	19.37	ng	98
79) Butylbenzylphthalate	13.04	149	182036	20.67	ng	98
80) Benzo(a)anthracene	13.57	228	232735m	16.44	ng	
82) Chrysene	13.60	228	138267m	10.03	ng	
83) Bis(2-ethylhexyl)phthalate	13.62	149	3257055	289.05	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.05	276	109758m	9.85	ng	
87) Benzo(b)fluoranthene	14.57	252	237205m	18.69	ng	
88) Benzo(k)fluoranthene	14.57	252	126730m	10.64	ng	
89) Benzo(a)pyrene	14.86	252	168938	14.15	ng	97
90) Dibenzo(a,h)anthracene	16.05	278	29905	3.21	ng	# 83
91) Benzo(a,h,i)perylene	16.38	276	106300	11.66	ng	97

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

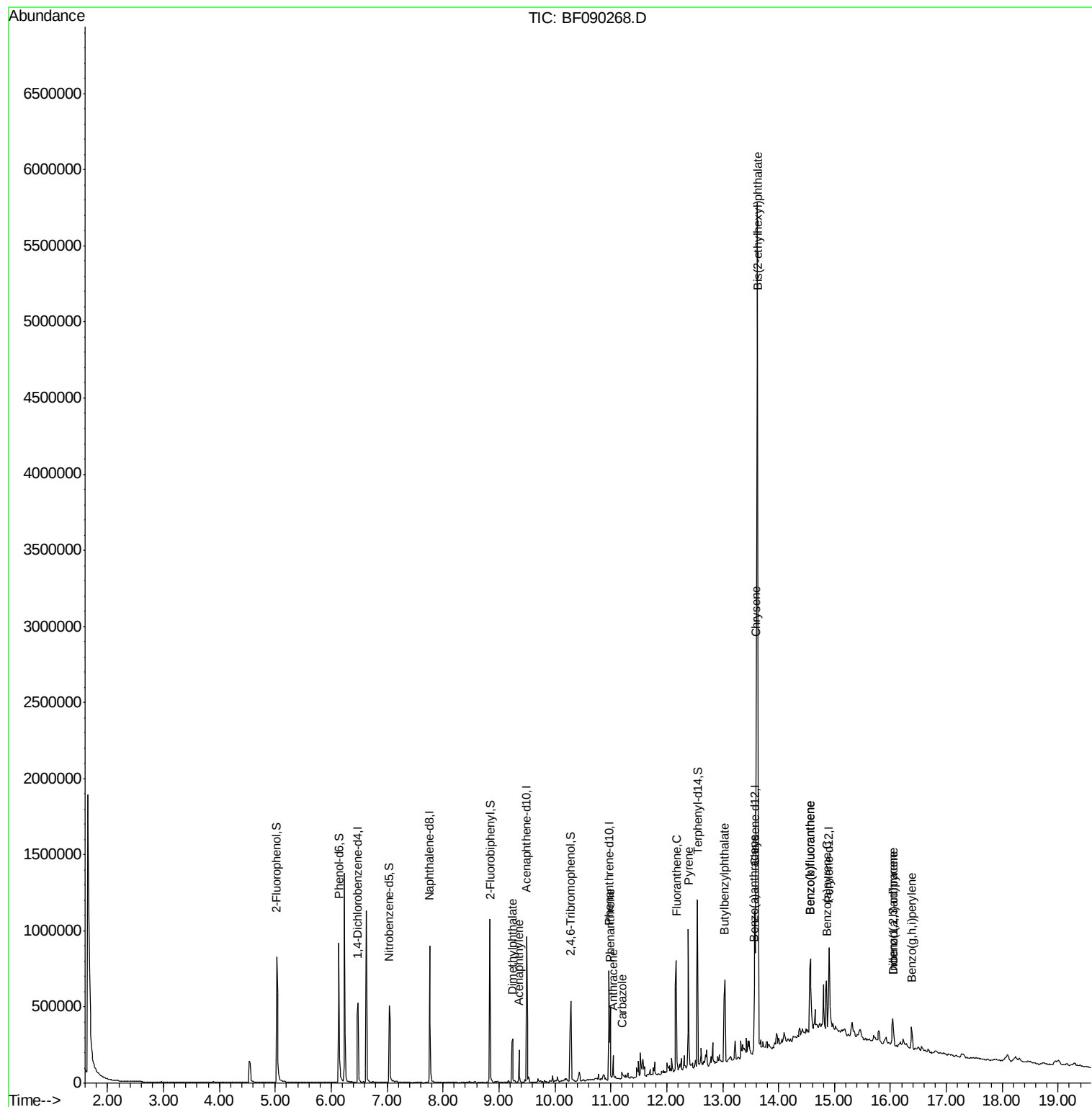
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090268.D
Acq On : 27 Sep 2016 22:43
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Sample : H4949-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

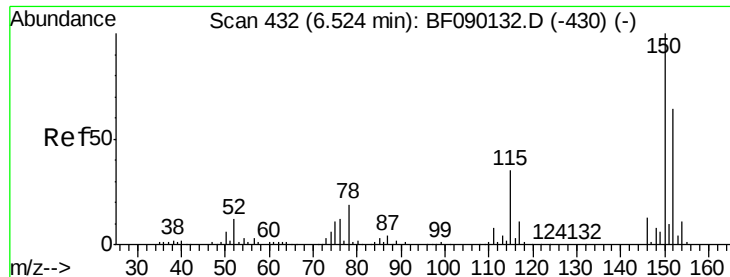
Instrument :
BNA_F
ClientSampleId :
S-4-1-LOC-4(0-5)

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Quant Time: Sep 28 11:52:16 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





#1

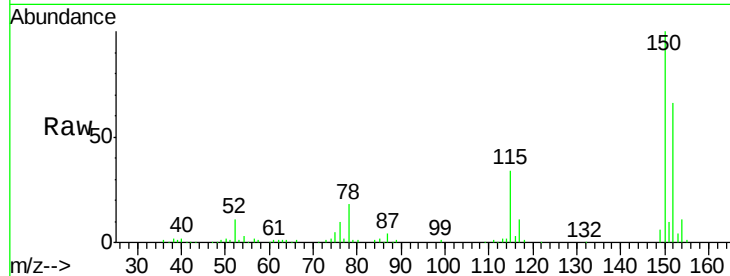
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.48 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

Instrument :
BNA_F
ClientSampled :
S-4-1-LOC-4(0-5)

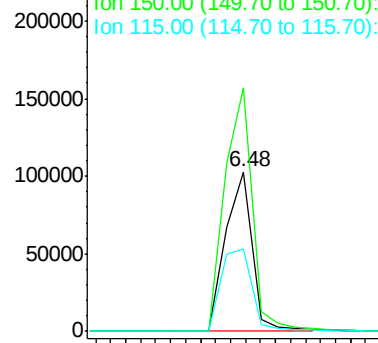
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	128.9	193.3
115	51.6	55.5	83.3

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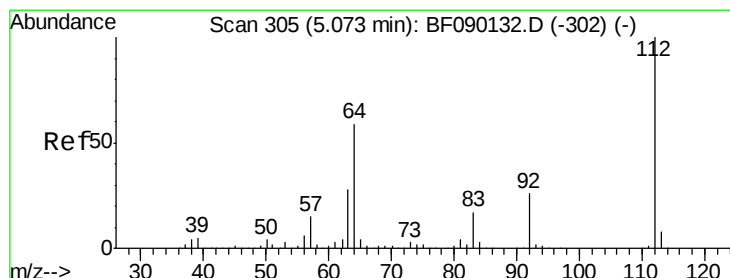
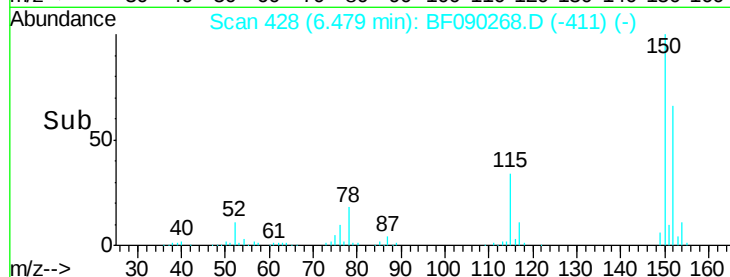
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



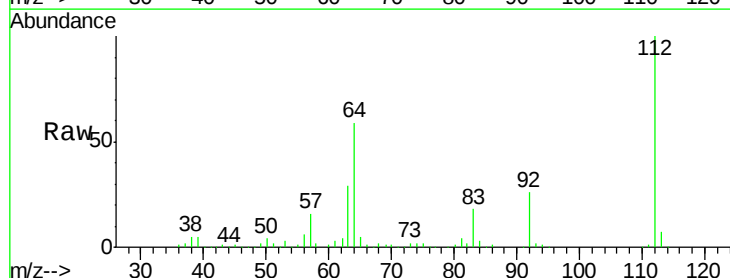
Time-->



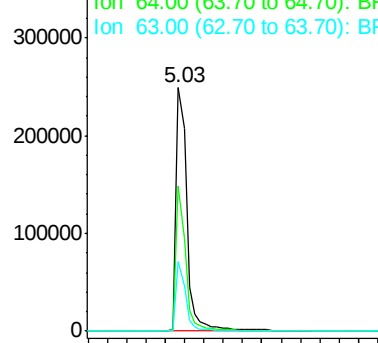
#5

2-Fluorophenol
Concen: 50.35 ng
RT: 5.03 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

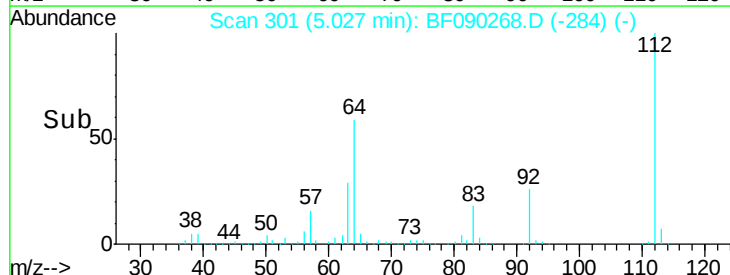
Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	39.8	59.6
63	28.8	18.9	28.3

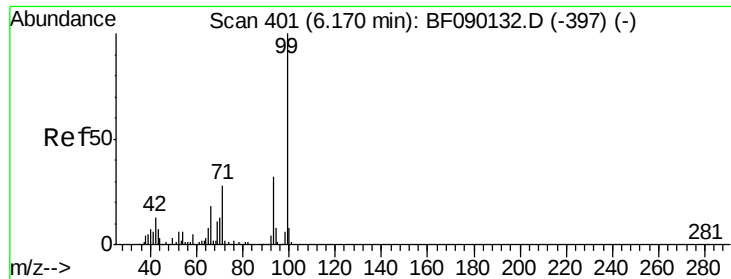


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 55.05 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Instrument :

BNA_F

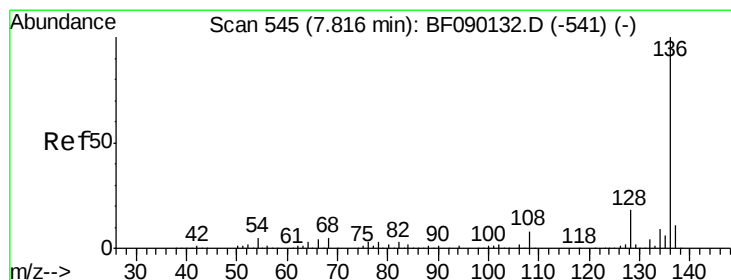
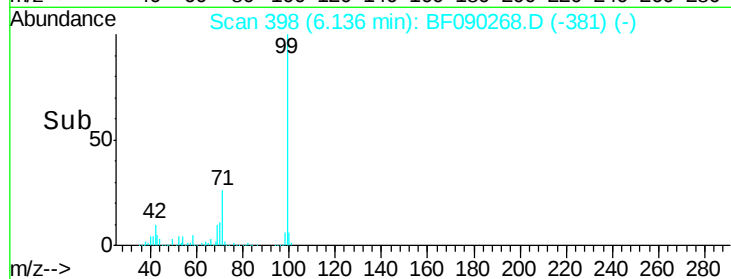
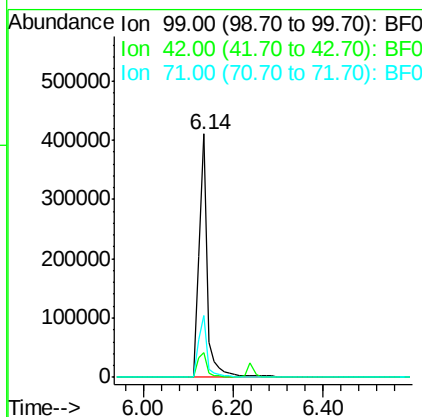
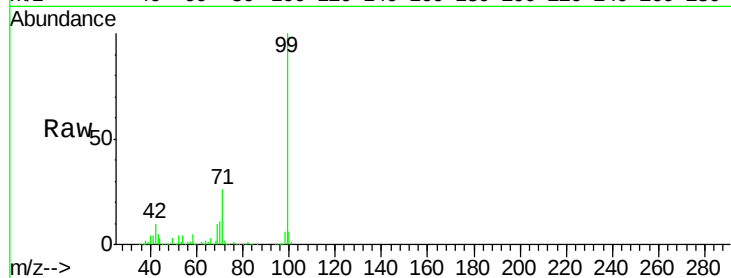
ClientSampleId :

S-4-1-LOC-4(0-5)

Tot Ion:	99	Resp:	527771
Ion Ratio	Lower	Upper	
99	100		
42	10.2	10.6	15.8#
71	25.6	23.0	34.6

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#21

Naphthalene-d8

Concen: 20.00 ng m

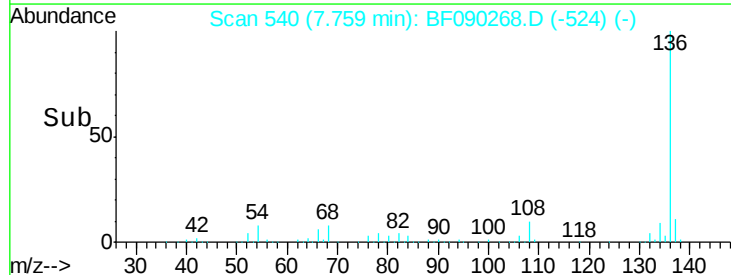
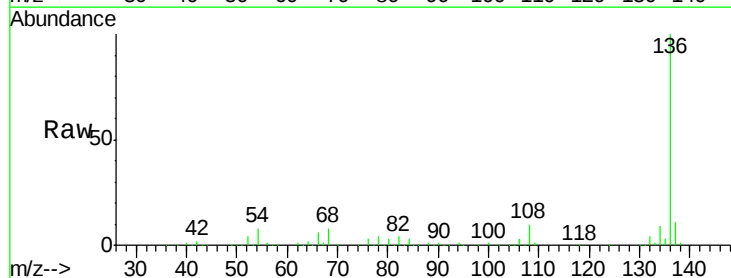
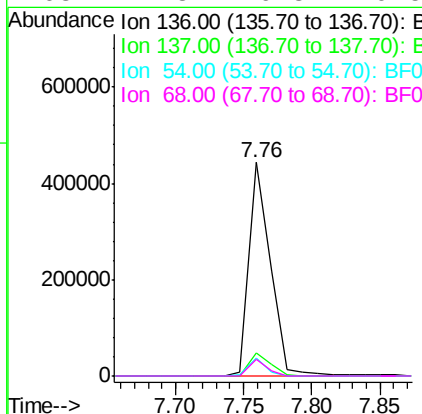
RT: 7.76 min Scan# 540

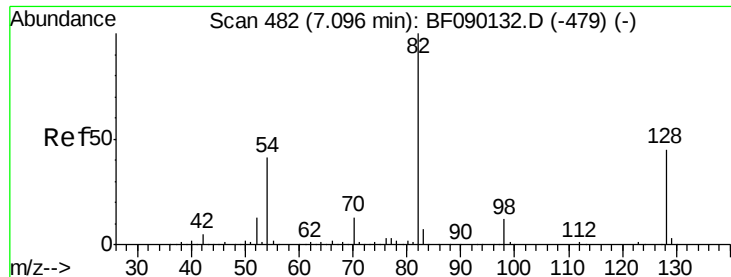
Delta R.T. -0.01 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Tgt Ion:	136	Resp:	480657
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	8.3	6.4	9.6
68	7.8	6.3	9.5





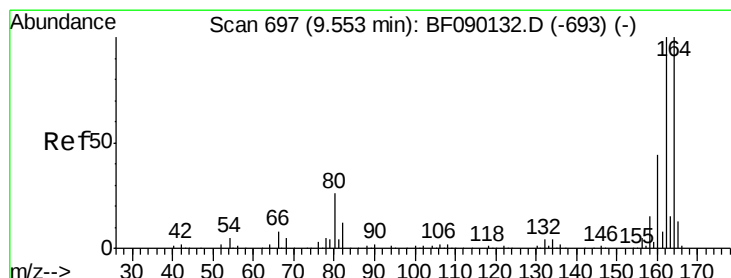
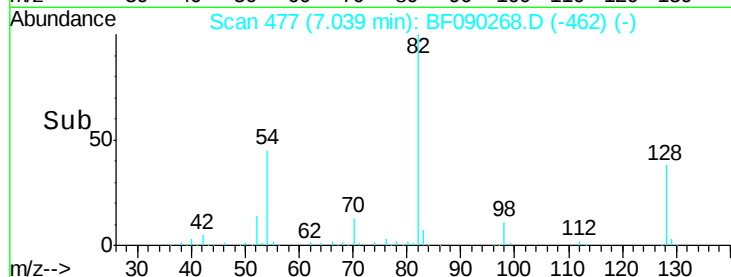
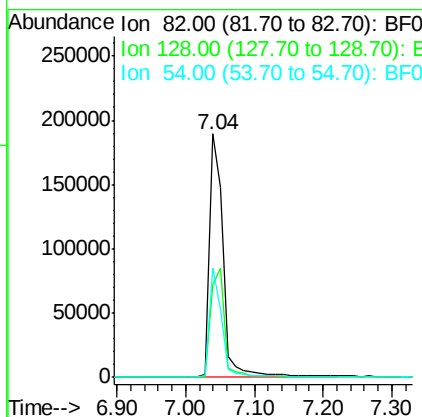
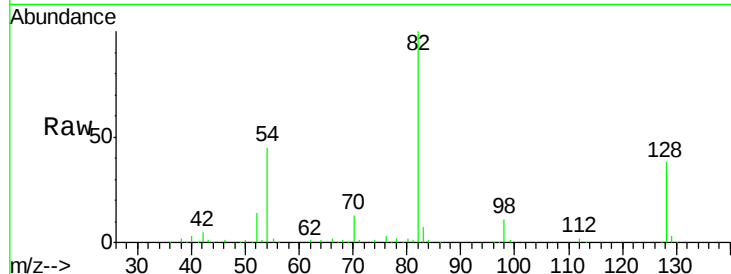
#23
 Nitrobenzene-d5
 Concen: 32.55 ng
 RT: 7.04 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF090268.D
 Acq: 27 Sep 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 S-4-1-LOC-4(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.9	37.5	56.3
54	45.0	31.9	47.9

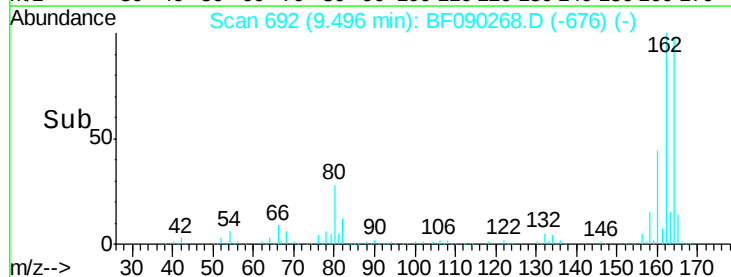
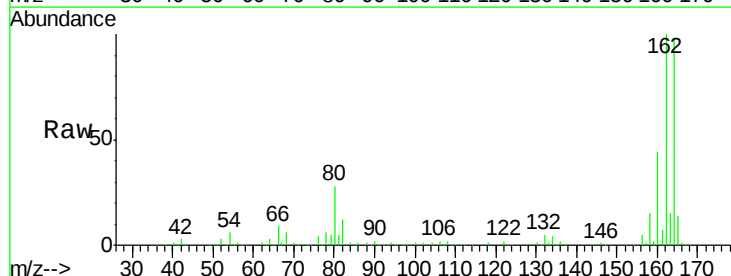
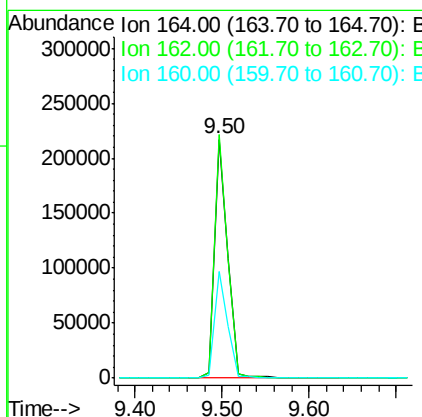
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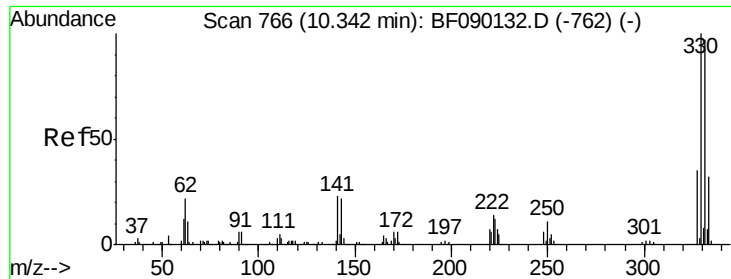
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090268.D
 Acq: 27 Sep 2016 22:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.4	122.2
160	44.9	36.6	54.8





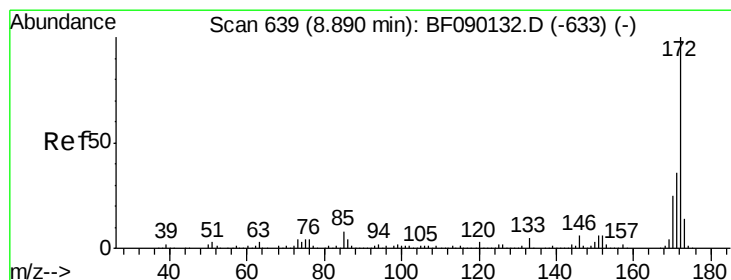
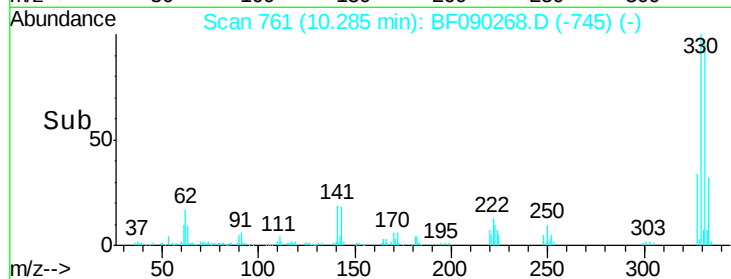
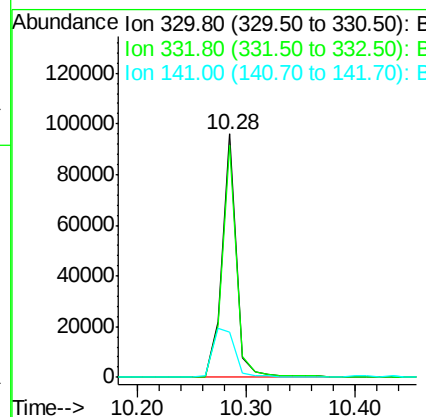
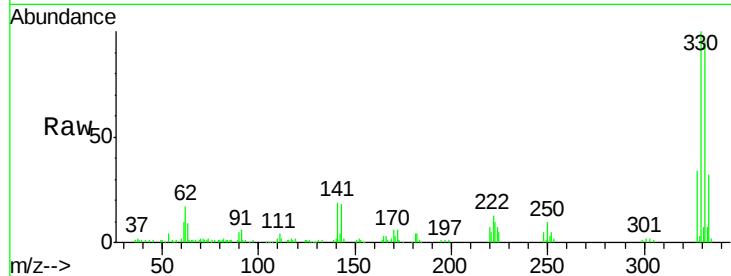
#41
 2,4,6-Tribromophenol
 Concen: 44.96 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090268.D
 Acq: 27 Sep 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 S-4-1-LOC-4(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	90375		
332	95.8		78.1	117.1
141	31.4		23.9	35.9

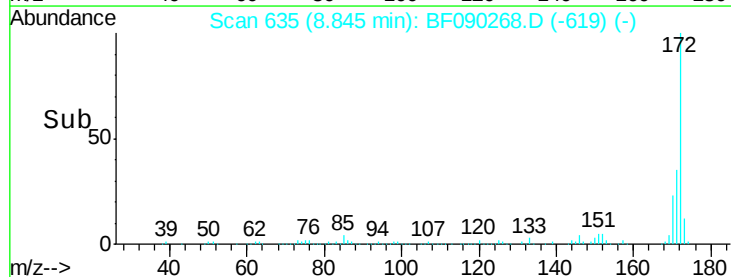
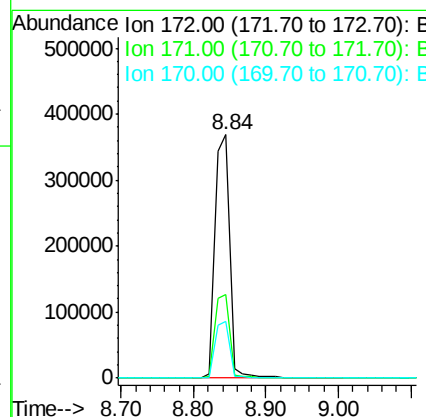
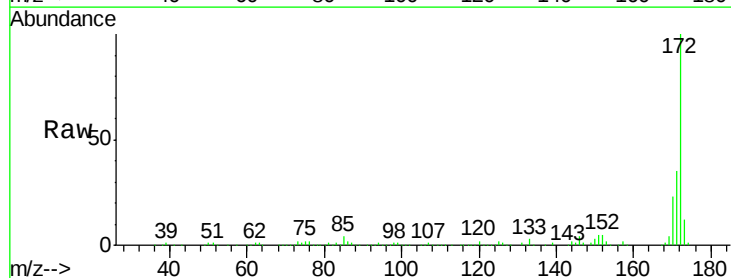
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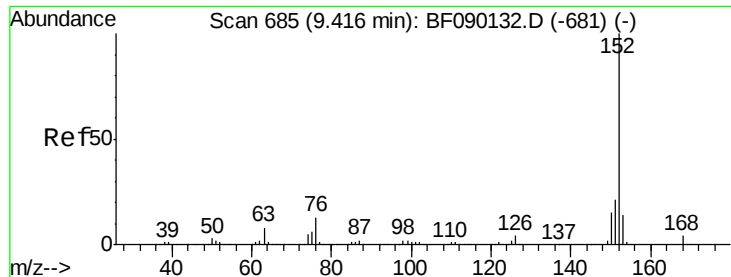
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#44
 2-Fluorobiphenyl
 Concen: 43.67 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF090268.D
 Acq: 27 Sep 2016 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	521139		
171	34.6		29.2	43.8
170	23.3		19.8	29.8





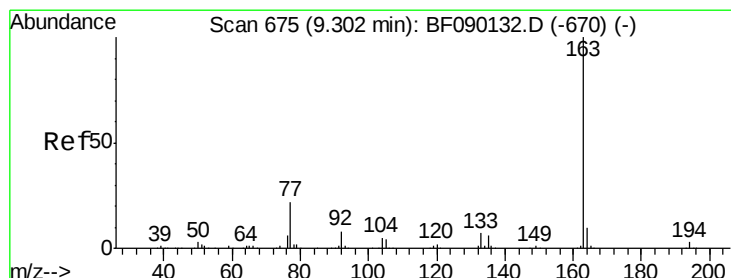
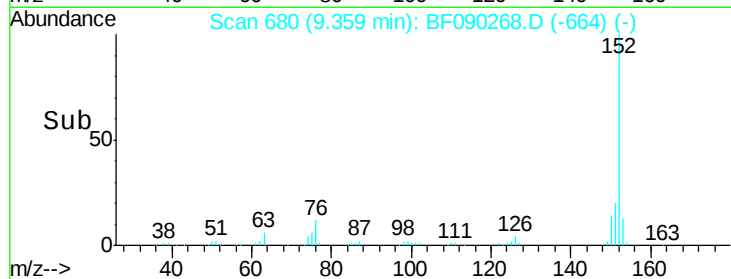
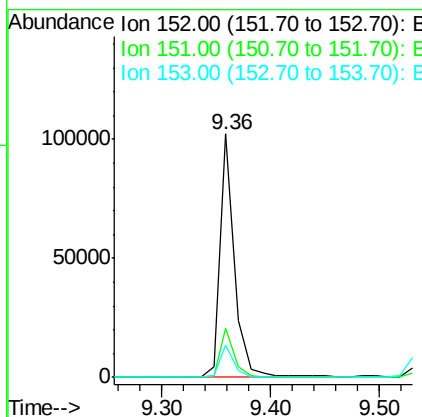
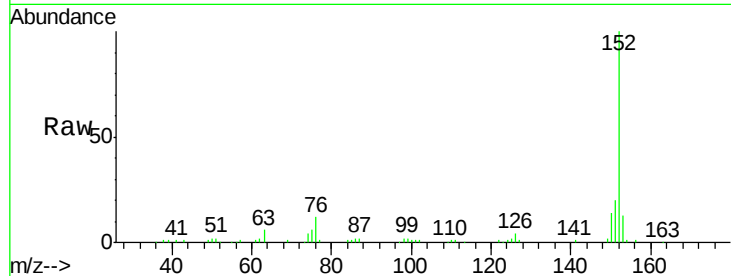
#48
Acenaphthylene
Concen: 4.76 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

Instrument :
BNA_F
ClientSampleId :
S-4-1-LOC-4(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.5	24.7
153	13.3	10.6	15.8

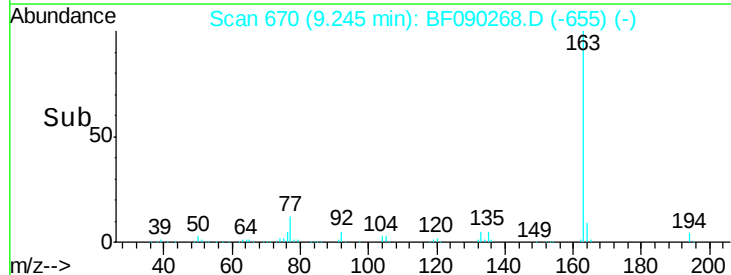
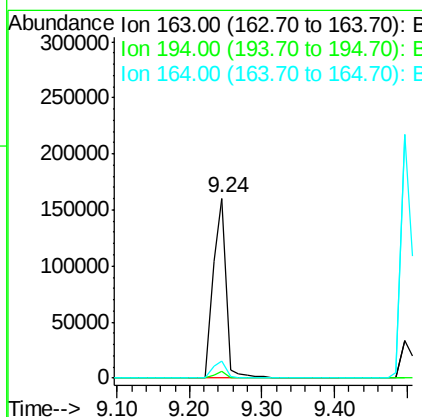
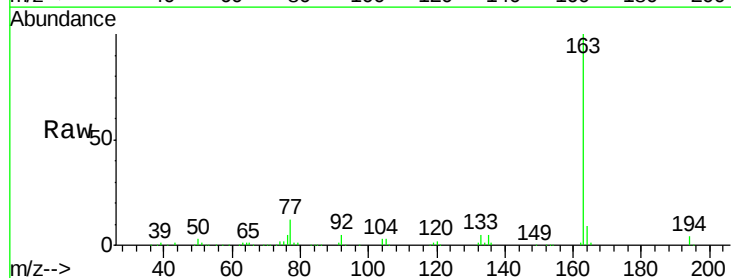
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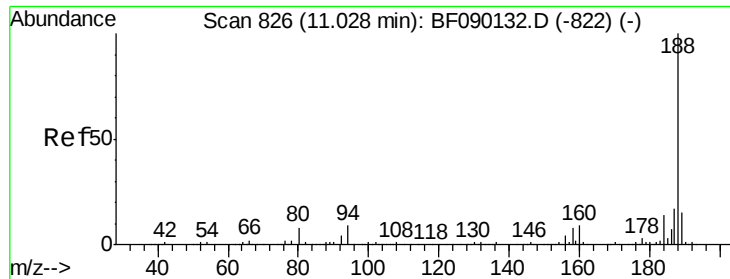
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#49
Dimethylphthalate
Concen: 13.16 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.4	8.1	12.1





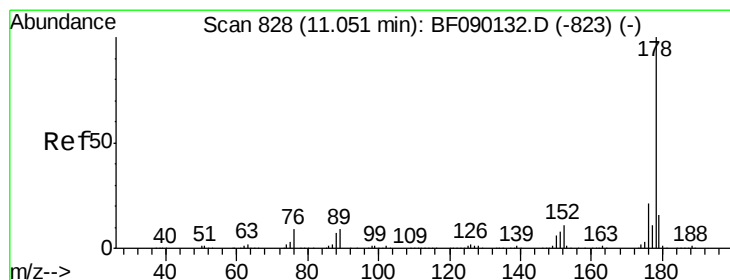
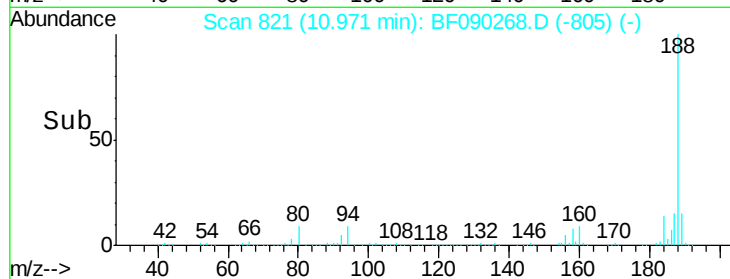
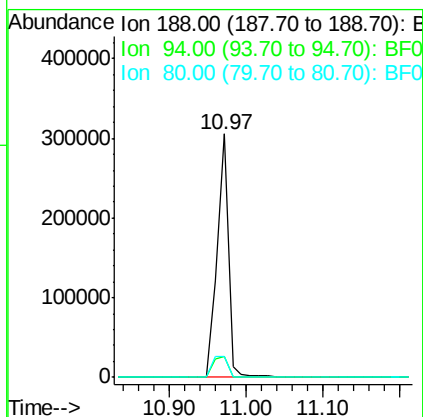
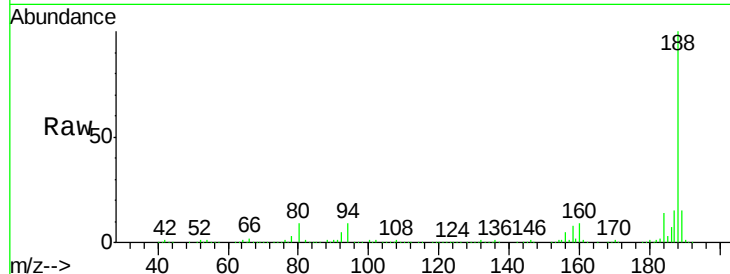
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

Instrument :
BNA_F
ClientSampleId :
S-4-1-LOC-4(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	313063		
94	8.7	10.5	15.7#	
80	8.6	11.2	16.8#	

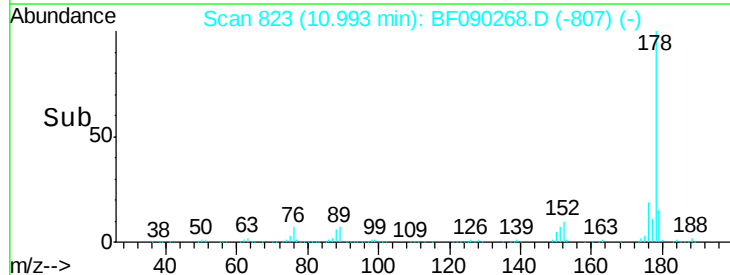
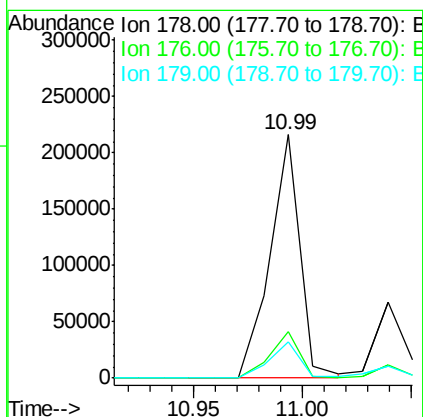
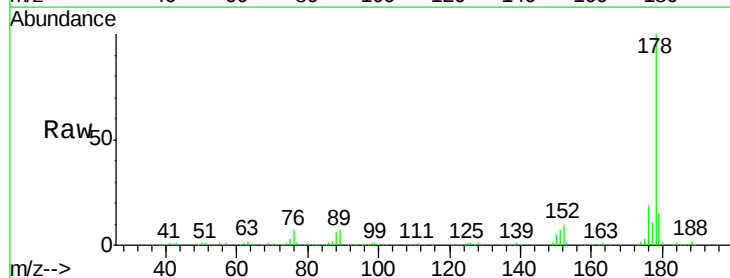
Manual Integrations
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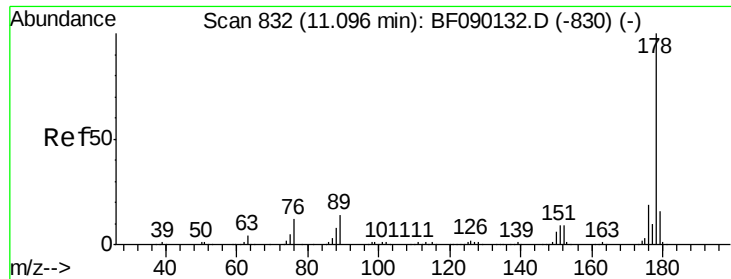
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#70
Phenanthrene
Concen: 14.24 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	208419		
176	18.9	15.9	23.9	
179	15.0	12.9	19.3	





#71

Anthracene

Concen: 4.54 ng

RT: 11.04 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Instrument :

BNA_F

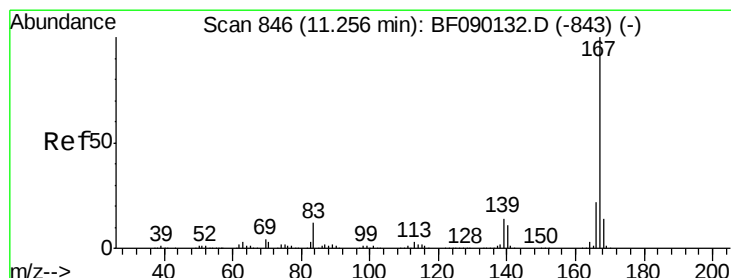
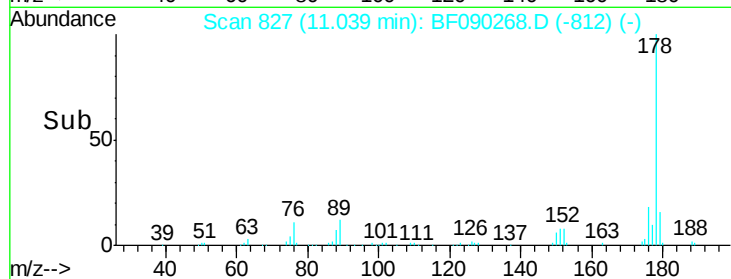
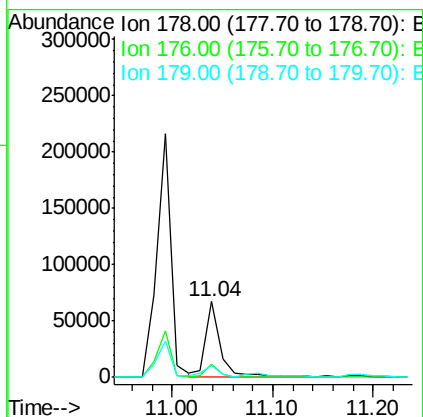
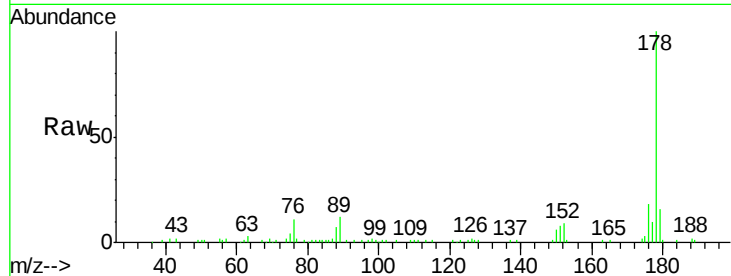
ClientSampleId :

S-4-1-LOC-4(0-5)

Tot Ion:	178	Resp:	69656
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.8	23.6
179	16.4	12.6	19.0

Manual Integrations
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#72

Carbazole

Concen: 2.10 ng

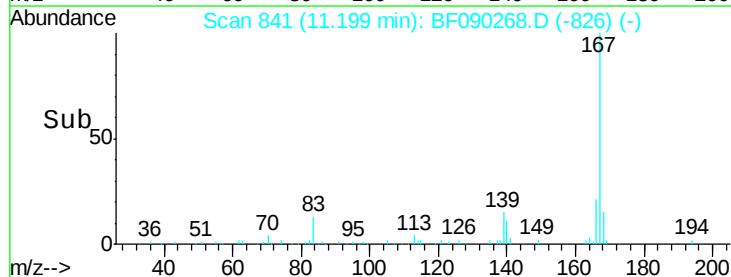
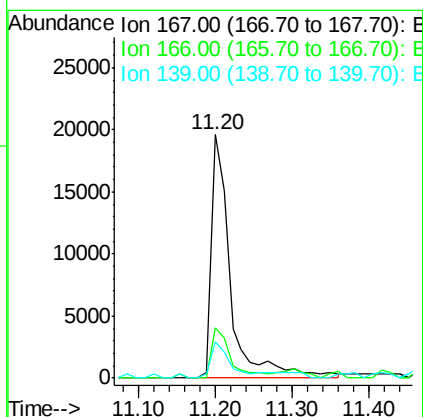
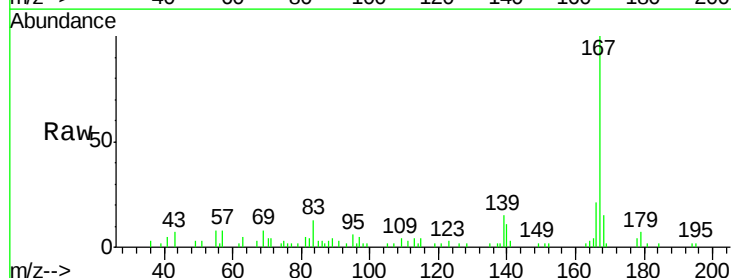
RT: 11.20 min Scan# 841

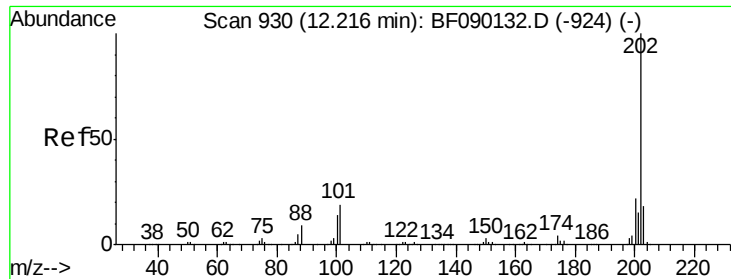
Delta R.T. -0.02 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Tgt Ion:	167	Resp:	34024
Ion Ratio	Lower	Upper	
167	100		
166	20.9	18.0	27.0
139	14.8	10.4	15.6





#74

Fluoranthene

Concen: 25.70 ng

RT: 12.17 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Instrument :

BNA_F

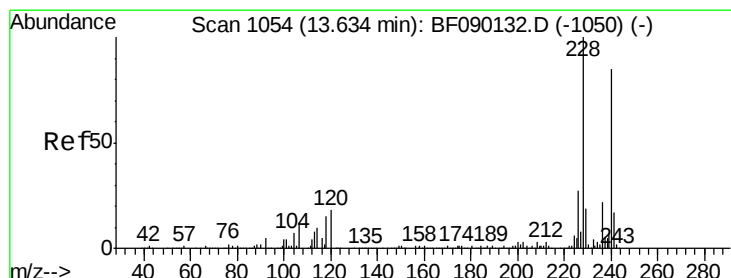
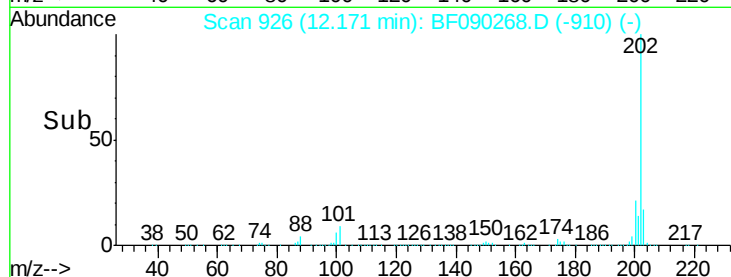
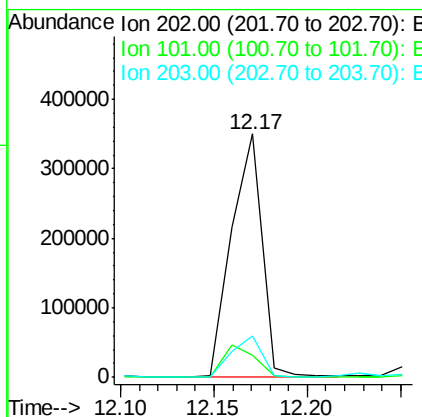
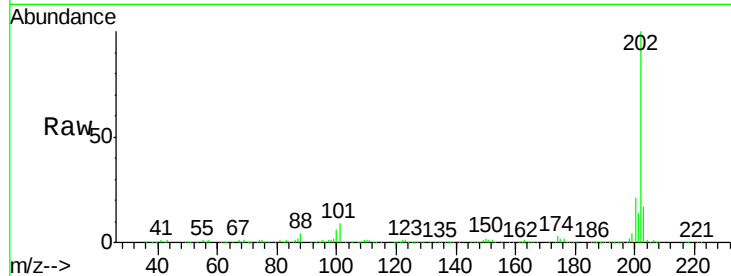
ClientSampleId :

S-4-1-LOC-4(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	403961		
101	9.1		0.0	36.1
203	17.2		0.0	38.2

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#75

Chrysene-d12

Concen: 20.00 ng

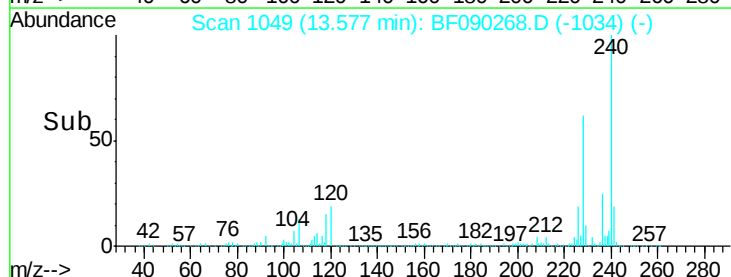
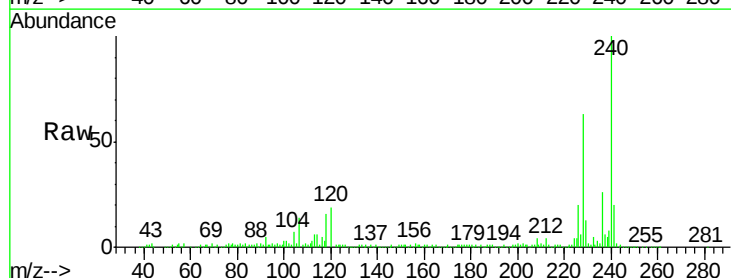
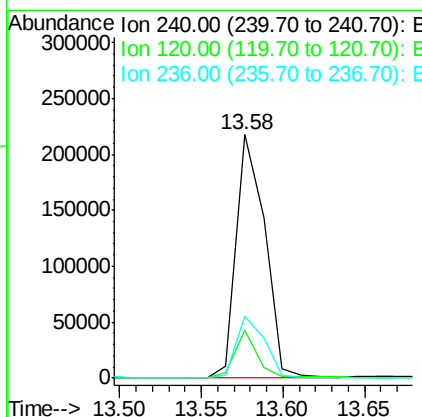
RT: 13.58 min Scan# 1049

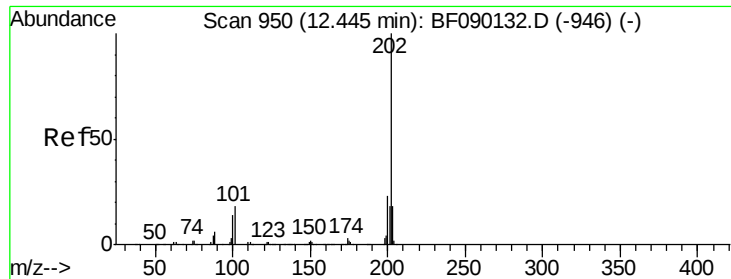
Delta R.T. -0.02 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	263061		
120	19.4		10.6	16.0#
236	25.7		21.6	32.4





#77

Pvrene

Concen: 19.37 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Instrument :

BNA_F

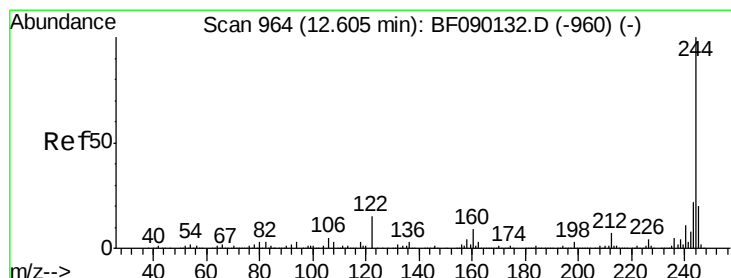
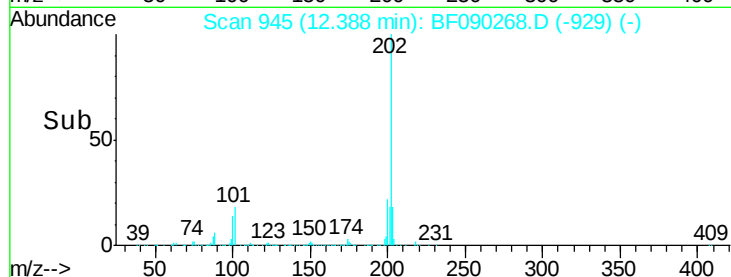
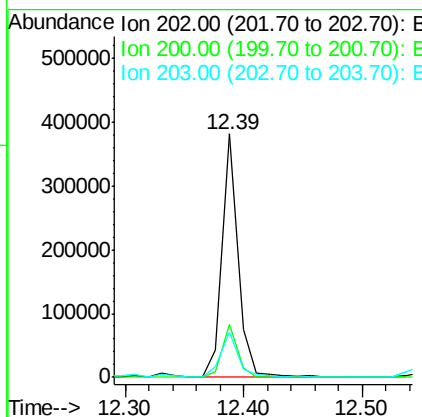
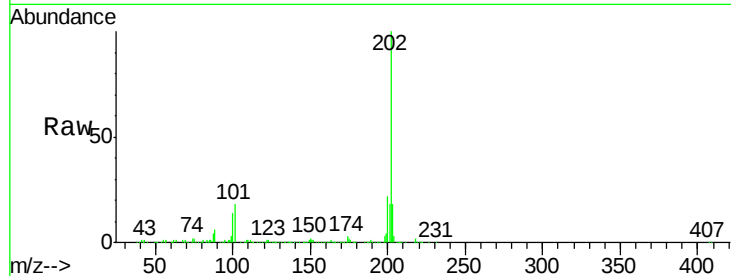
ClientSampleId :

S-4-1-LOC-4(0-5)

Tot Ion:	202	Resp:	348654
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.9	26.9
203	18.5	14.2	21.4

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#78

Terphenyl-d14

Concen: 30.72 ng

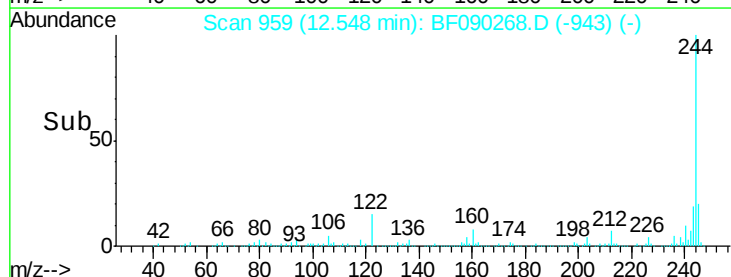
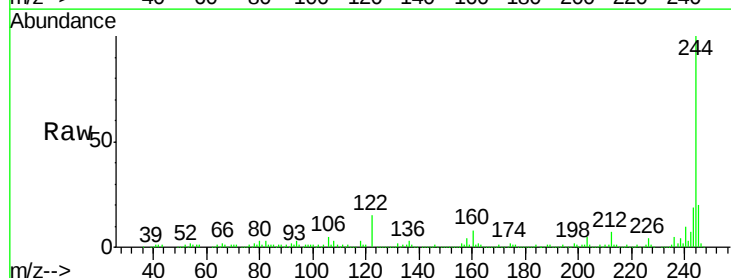
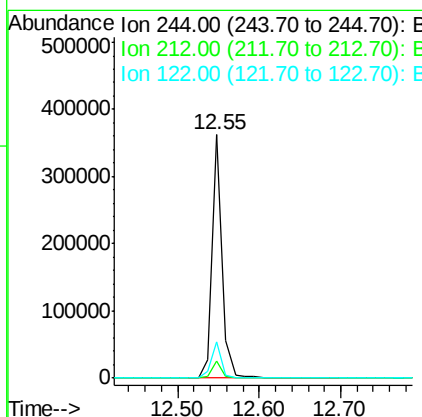
RT: 12.55 min Scan# 959

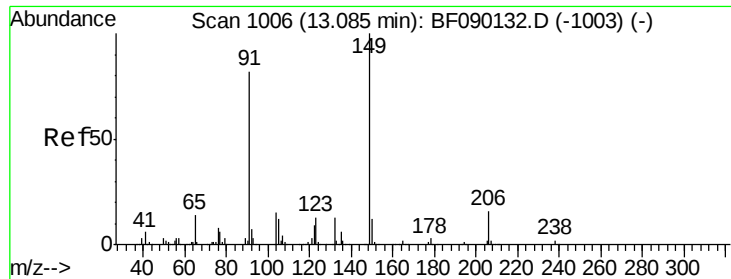
Delta R.T. -0.01 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Tgt Ion:	244	Resp:	318259
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	14.8	9.4	14.0#





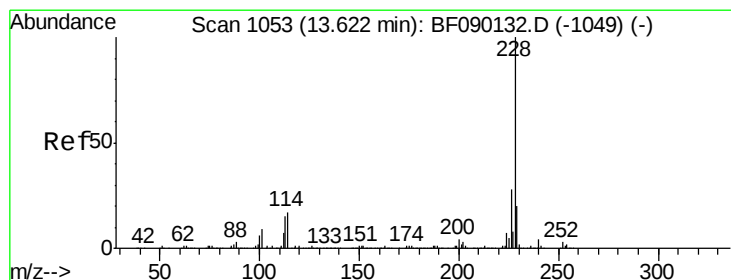
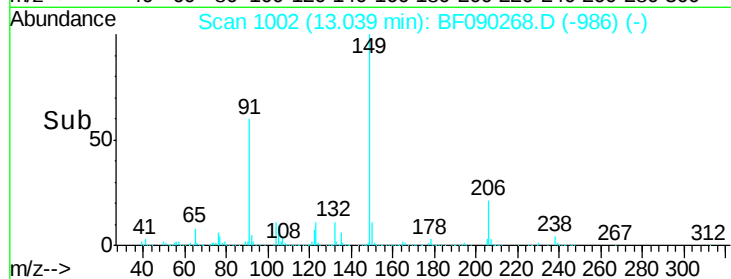
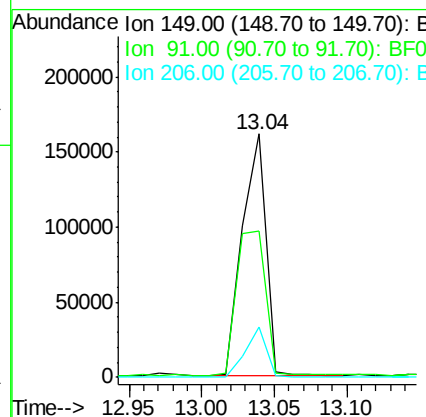
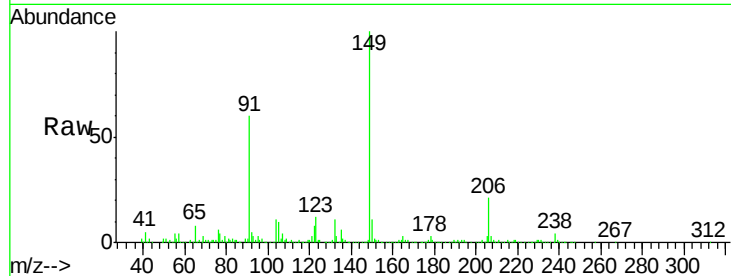
#79
Butylbenzylphthalate
Concen: 20.67 ng
RT: 13.04 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

Instrument :
BNA_F
ClientSampleId :
S-4-1-LOC-4(0-5)

Tot Ion	Ratio	Lower	Upper
149	100		
91	60.0	49.8	74.6
206	20.5	16.3	24.5

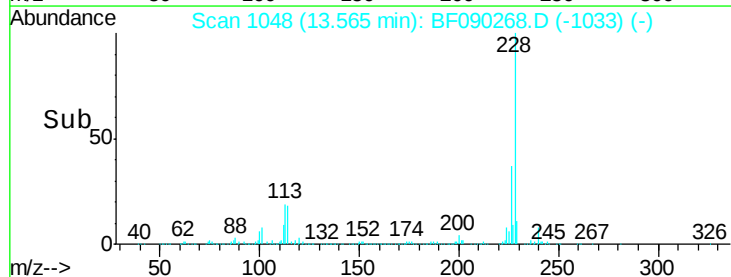
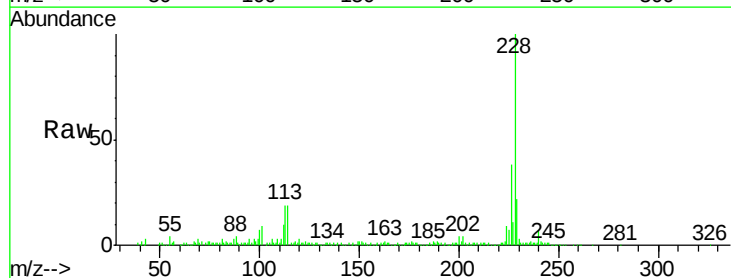
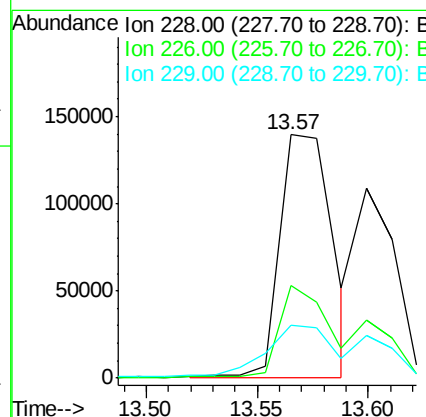
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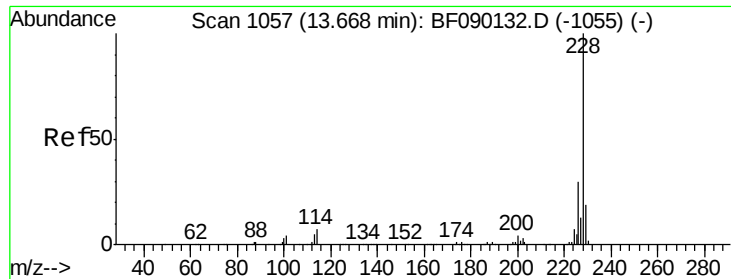
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#80
Benzo(a)anthracene
Concen: 16.44 ng m
RT: 13.57 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.0	22.0	33.0#
229	21.7	16.2	24.2





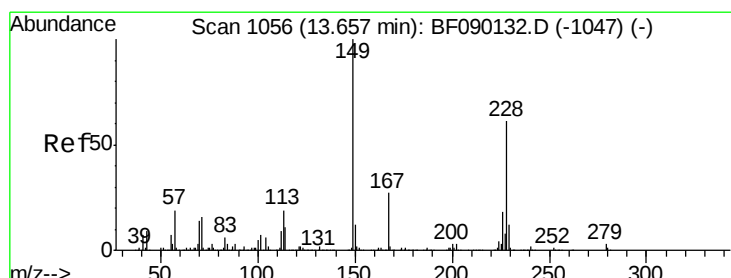
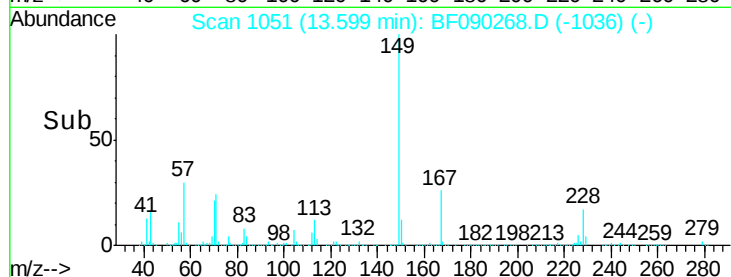
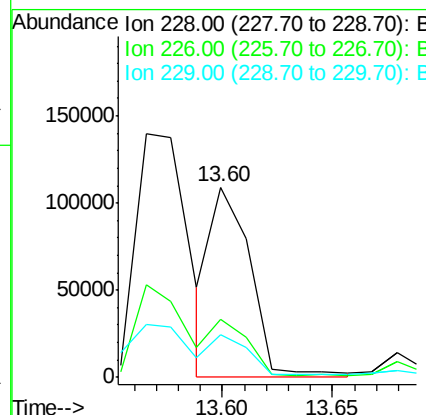
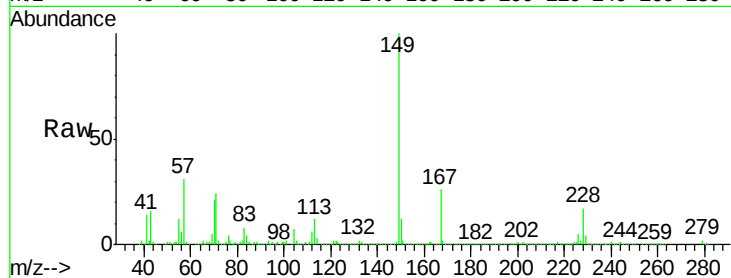
#82
 Chrvsene
 Concen: 10.03 ng m
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: BF090268.D
 Acq: 27 Sep 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 S-4-1-LOC-4(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	22.3	16.2	24.4

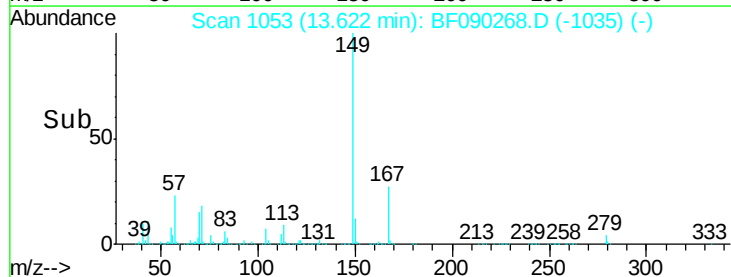
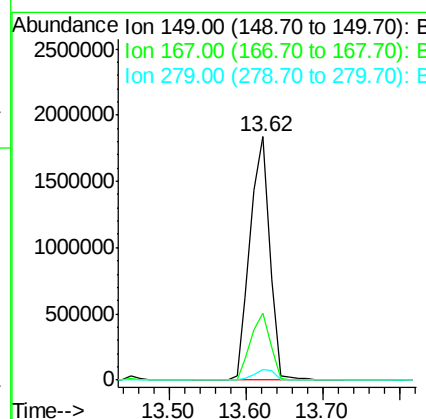
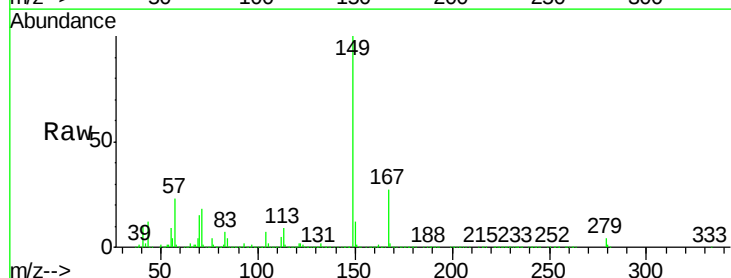
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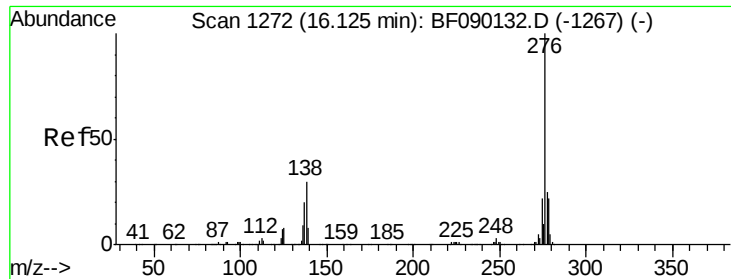
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 289.05 ng
 RT: 13.62 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: BF090268.D
 Acq: 27 Sep 2016 22:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.2	31.8
279	4.2	2.2	3.2





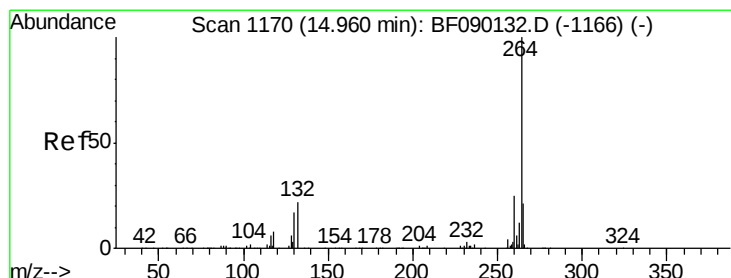
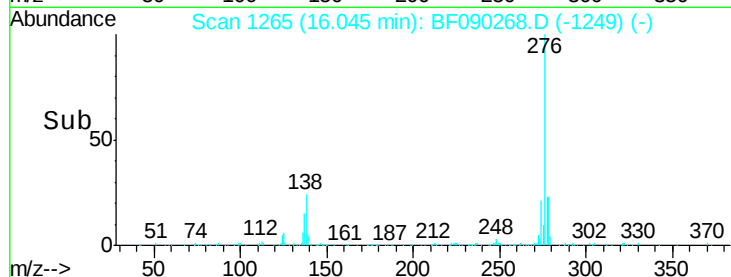
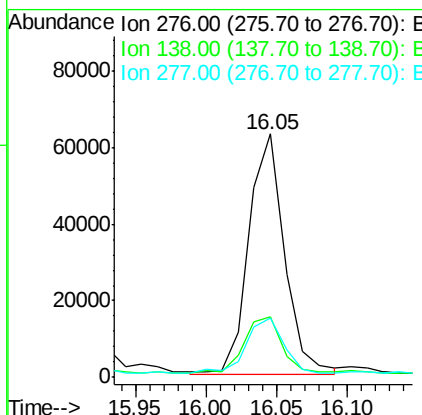
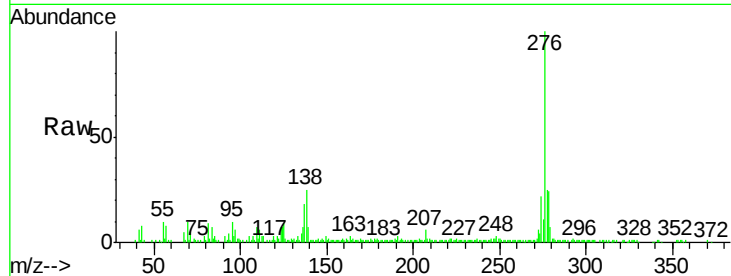
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.85 ng/m
 RT: 16.05 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: BF090268.D
 Acq: 27 Sep 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 S-4-1-LOC-4(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.5	25.9	38.9#
277	4.6	19.9	29.9#

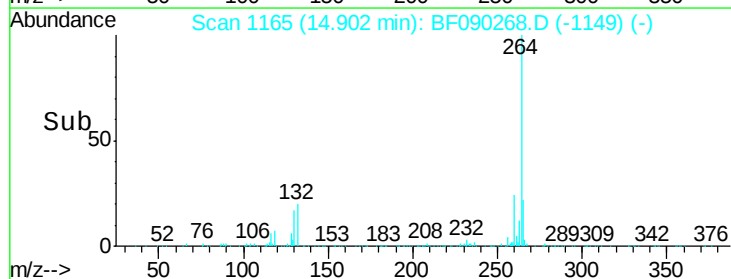
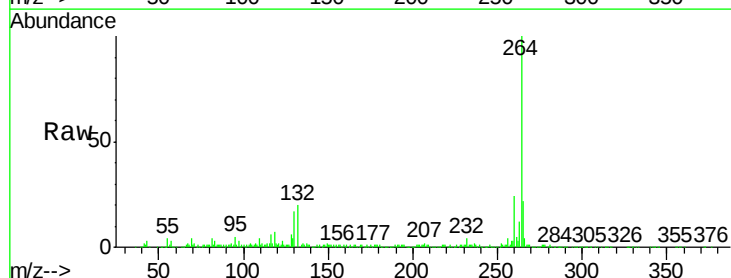
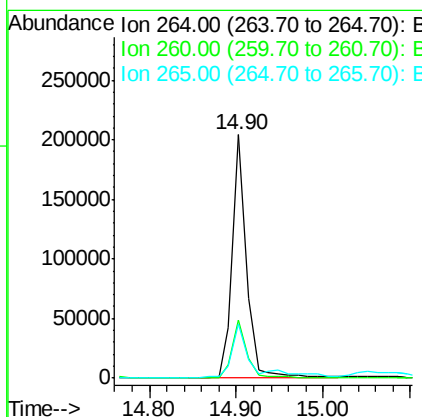
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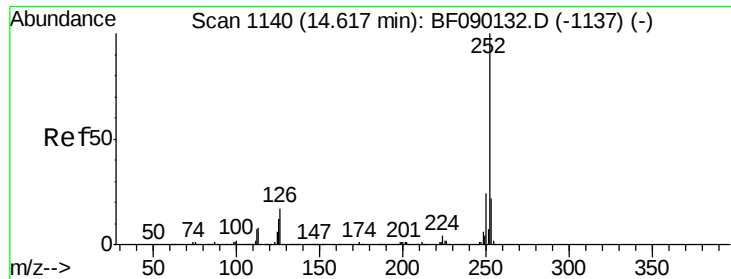
sohil
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.90 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF090268.D
 Acq: 27 Sep 2016 22:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.3	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 18.69 ng m

RT: 14.57 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Instrument :

BNA_F

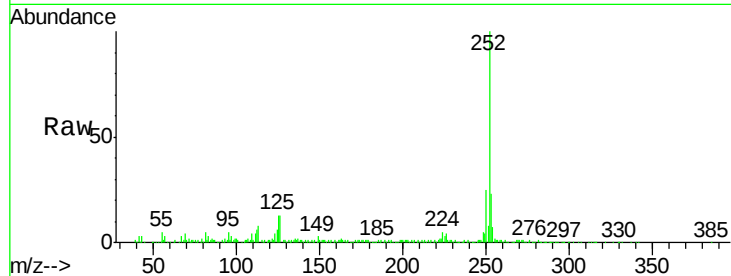
ClientSampleId :

S-4-1-LOC-4(0-5)

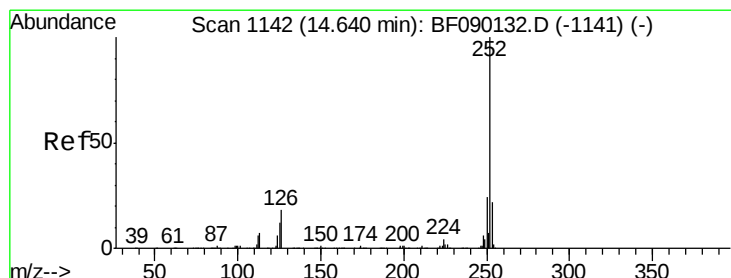
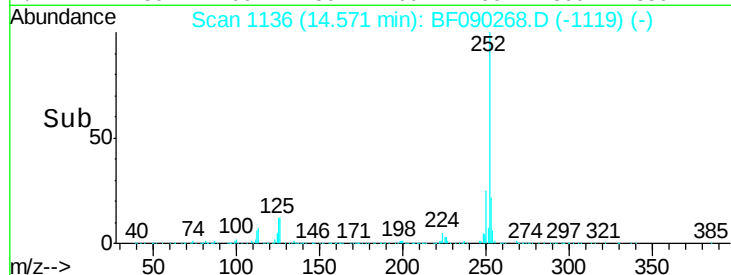
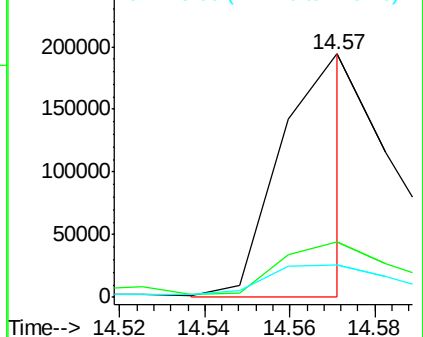
Tot Ion:	252	Resp:	237205
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	13.3	12.7	19.1

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



#88

Benzo(k)fluoranthene

Concen: 10.64 ng m

RT: 14.57 min Scan# 1136

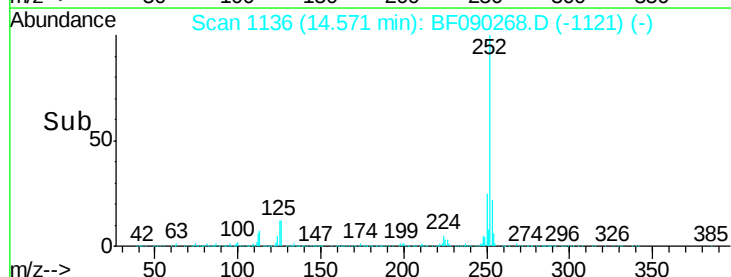
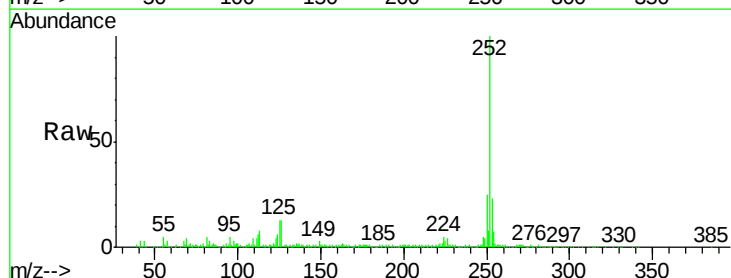
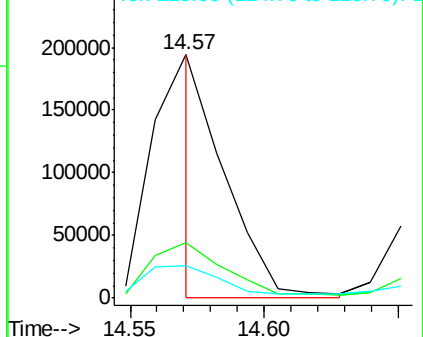
Delta R.T. -0.02 min

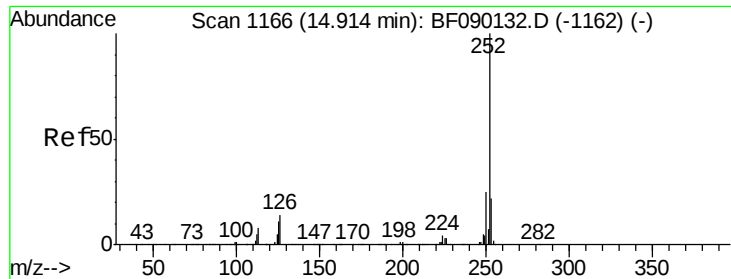
Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Tgt Ion:	252	Resp:	126730
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	13.3	7.8	11.6#

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





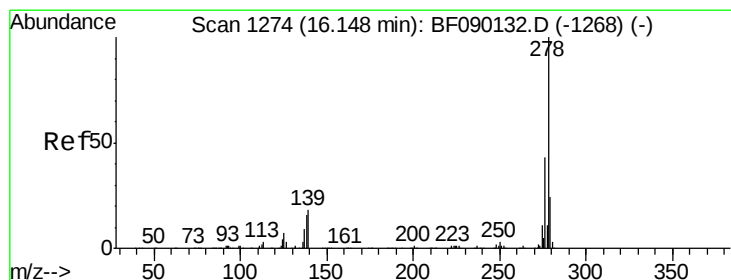
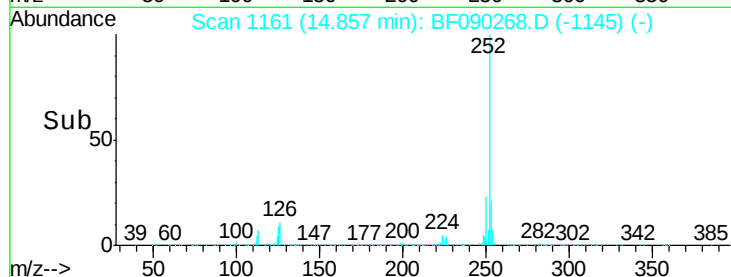
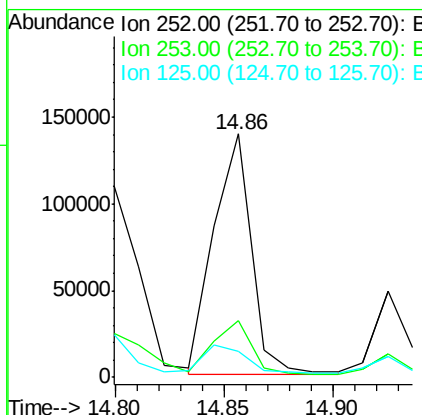
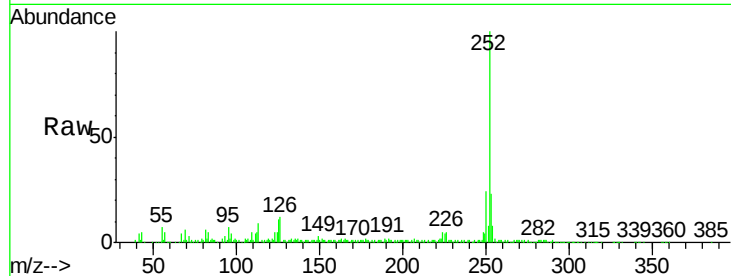
#89
Benzo(a)pyrene
Concen: 14.15 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

Instrument :
BNA_F
Client Sampled :
S-4-1-LOC-4(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	10.7	7.7	11.5

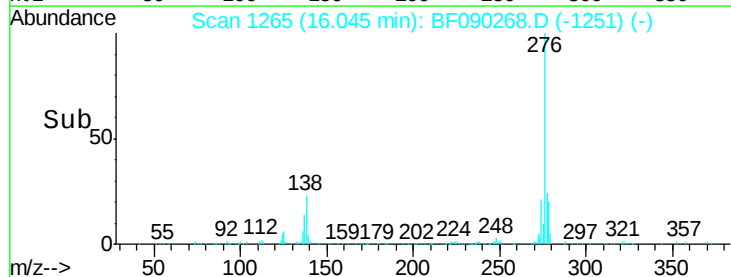
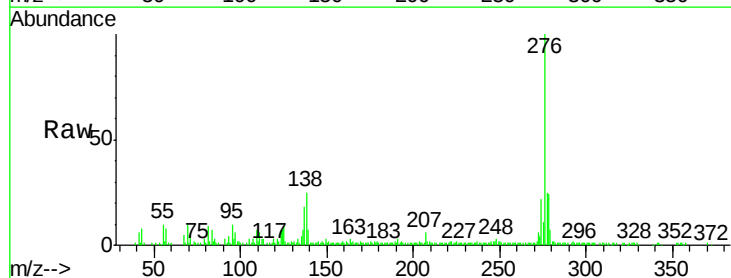
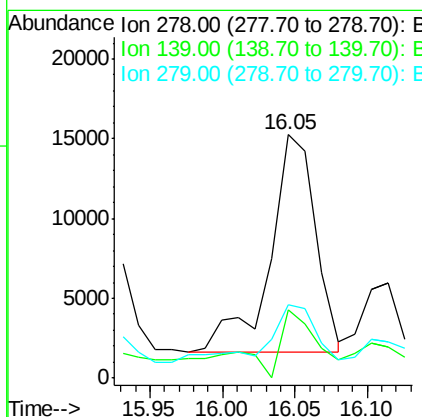
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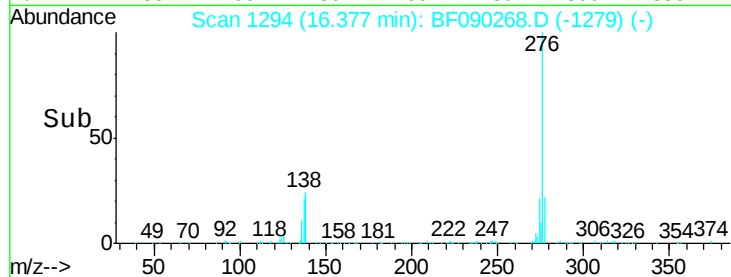
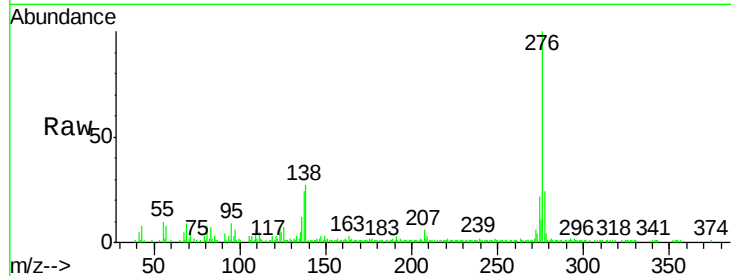
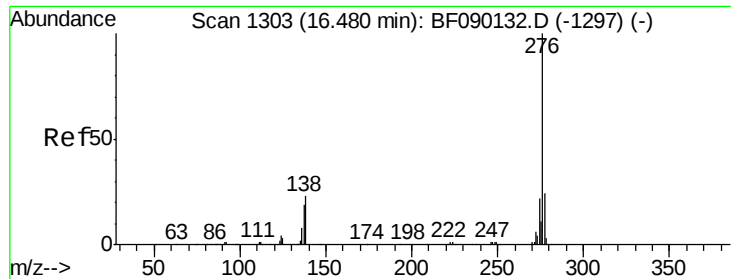
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#90
Dibenzo(a,h)anthracene
Concen: 3.21 ng
RT: 16.05 min Scan# 1265
Delta R.T. -0.03 min
Lab File: BF090268.D
Acq: 27 Sep 2016 22:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.1	14.6	21.8#
279	29.9	18.8	28.2#





#91

Benzo(a,h,i)perylene

Concen: 11.66 ng

RT: 16.38 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF090268.D

Acq: 27 Sep 2016 22:43

Tot Ion:	276	Resp:	106300
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.9	28.3
138	26.6	23.3	34.9

Instrument :

BNA_F

ClientSampleId :

S-4-1-LOC-4(0-5)

Manual Integrations
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