

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
 Data File : BF090889.D
 Acq On : 28 Oct 2016 1:35
 Operator : UM/SJ
 Sample : H5423-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5COMP(0-16FEET)

Manual Integrations
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Quant Time: Oct 28 02:04:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	140880	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	549136	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	272118	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	364006	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	341409	20.00	ng	-0.01
86) Perylene-d12	15.35	264	265069	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	864196	107.25	ng	0.00
7) Phenol-d6	6.42	99	1237116	113.80	ng	0.00
23) Nitrobenzene-d5	7.34	82	747543	89.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	237436	84.91	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1234570	79.67	ng	-0.01
78) Terphenyl-d14	12.89	244	1036407	76.48	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.54	163	521100	28.66	ng	# 98
70) Phenanthrene	11.32	178	157225	8.48	ng	98
74) Fluoranthene	12.51	202	233361	11.50	ng	90
77) Pyrene	12.74	202	224449	10.39	ng	98
80) Benzo(a)anthracene	13.93	228	134274	7.41	ng	# 90
82) Chrysene	13.96	228	121051m	6.61	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	52573m	3.24	ng	
87) Benzo(b)fluoranthene	14.95	252	141193m	7.92	ng	
88) Benzo(k)fluoranthene	14.96	252	68095m	4.83	ng	
89) Benzo(a)pyrene	15.29	252	104054	6.79	ng	# 90
91) Benzo(g,h,i)perylene	17.12	276	48725	3.99	ng	# 80

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

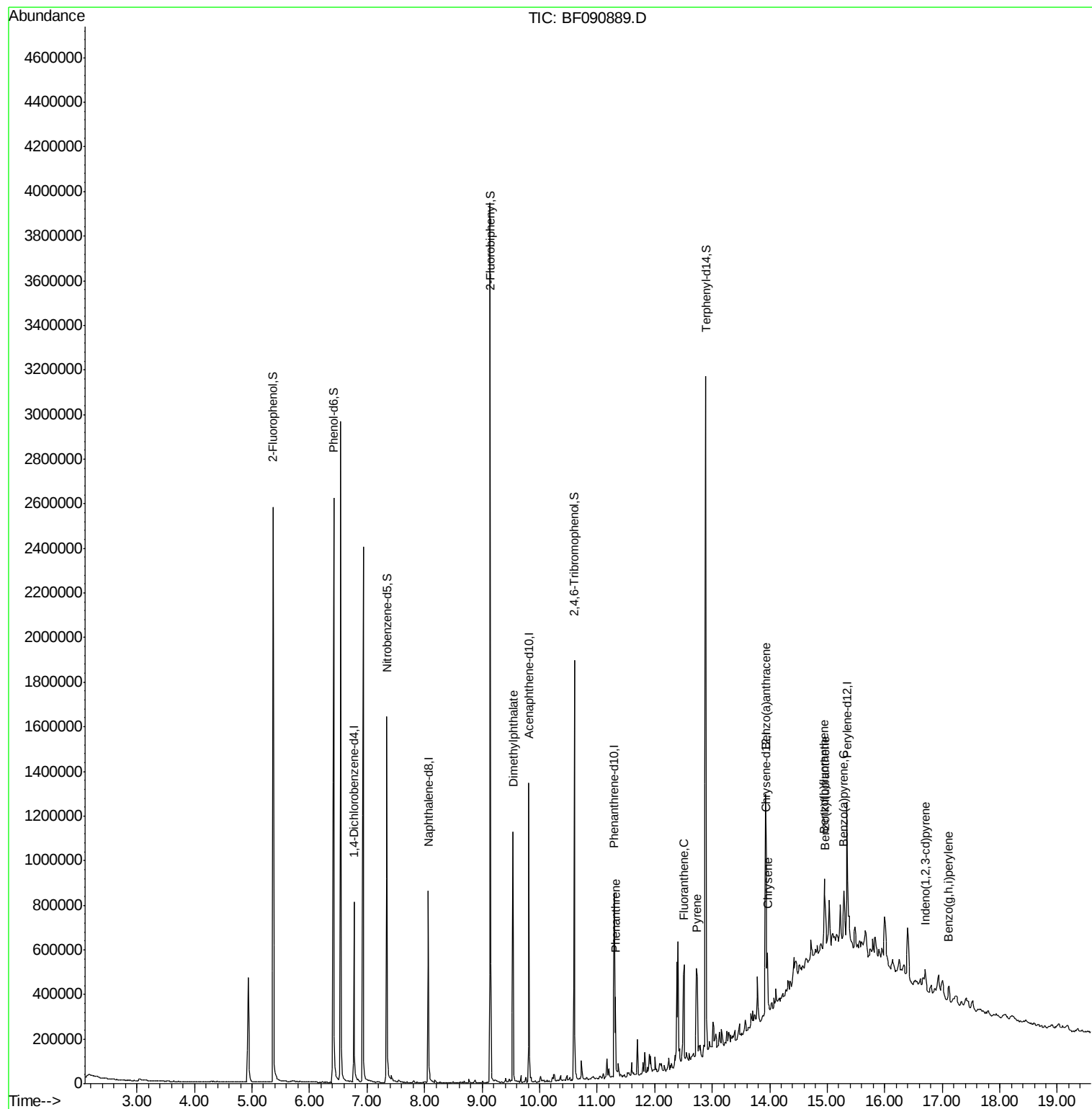
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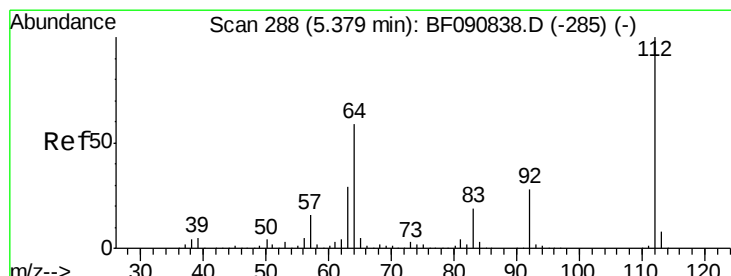
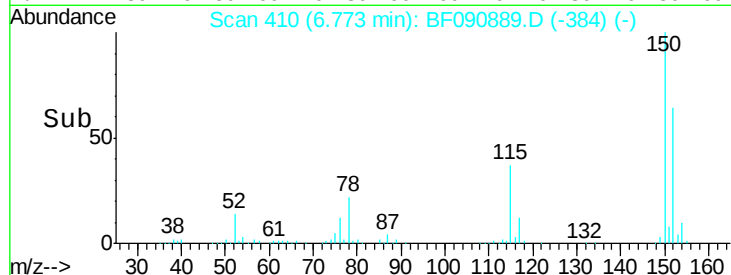
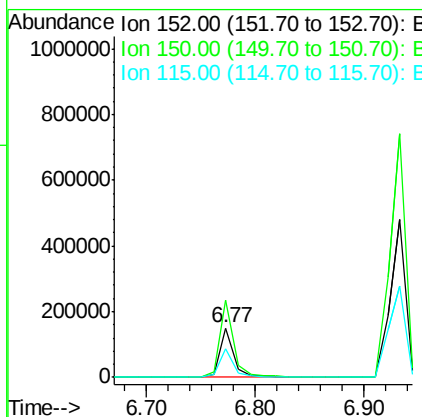
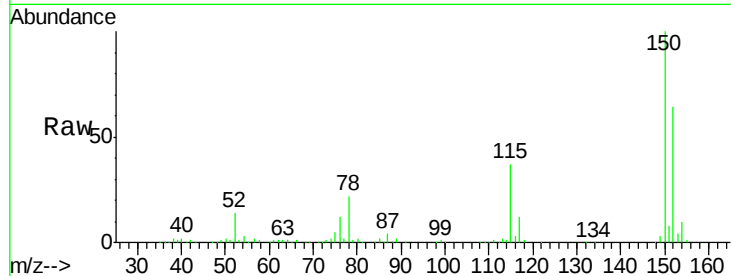
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-5COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.7	187.1
115	57.8	39.0	58.4

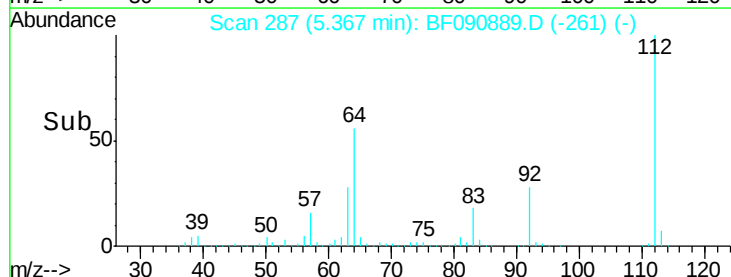
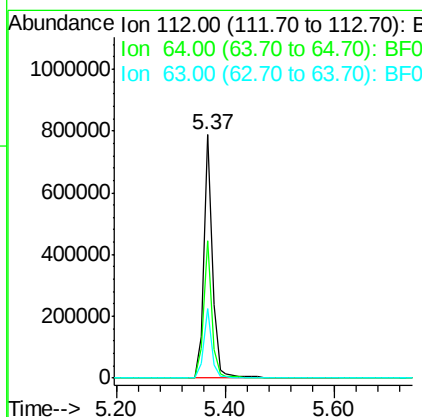
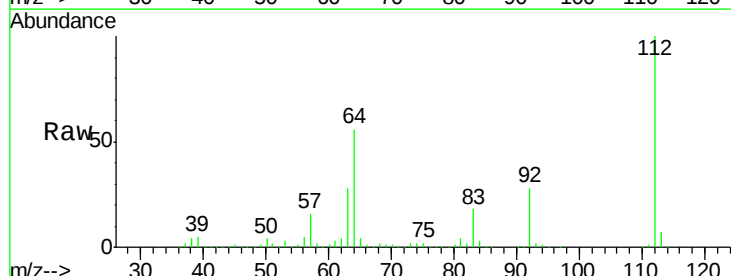
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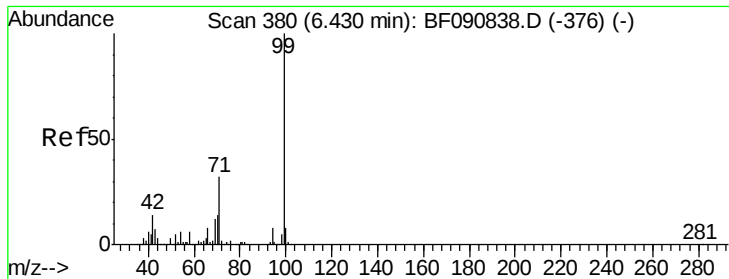
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#5
 2-Fluorophenol
 Concen: 107.25 ng
 RT: 5.37 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	39.7	59.5
63	28.4	17.4	26.0





#7

Phenol-d6

Concen: 113.80 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Instrument :

BNA_F

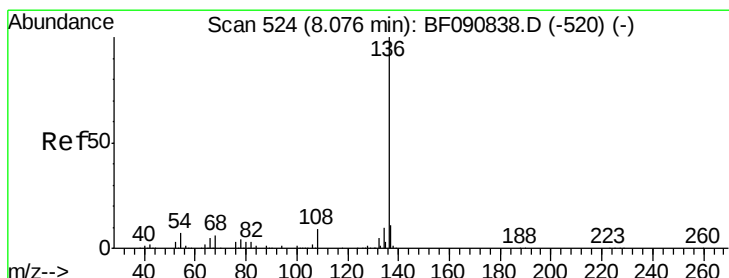
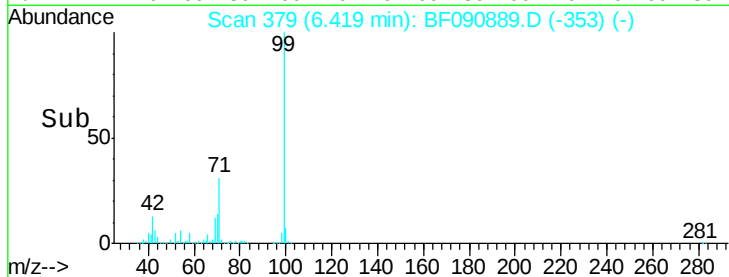
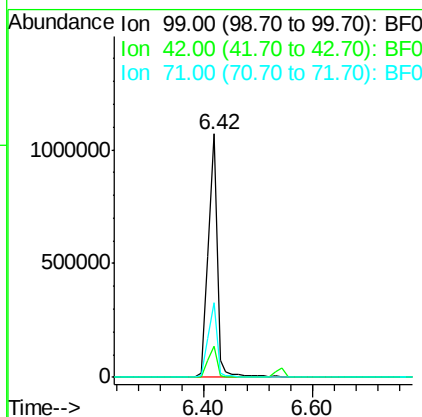
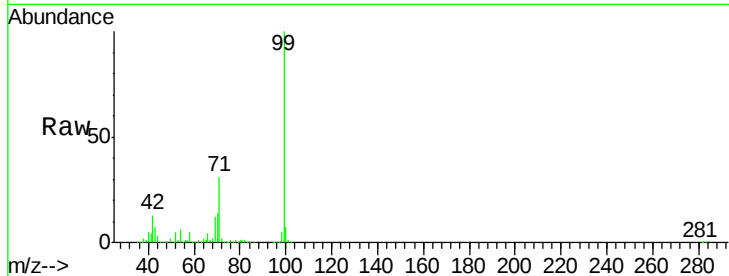
ClientSampleId :

SB-5COMP(0-16FEET)

Tot Ion:	99	Resp:	1237116
Ion	Ratio	Lower	Upper
99	100		
42	12.6	13.7	20.5#
71	30.7	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

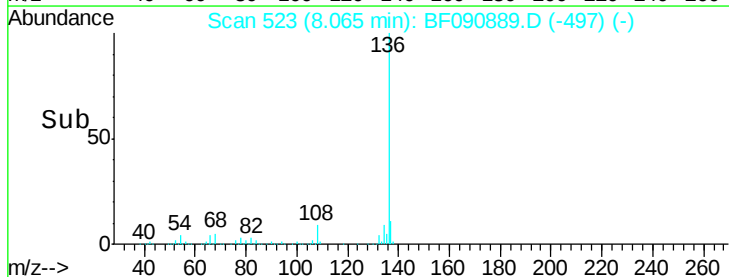
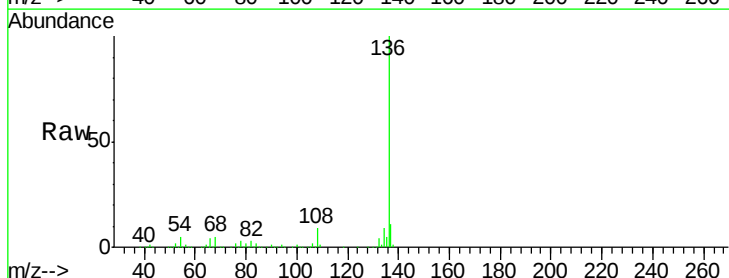
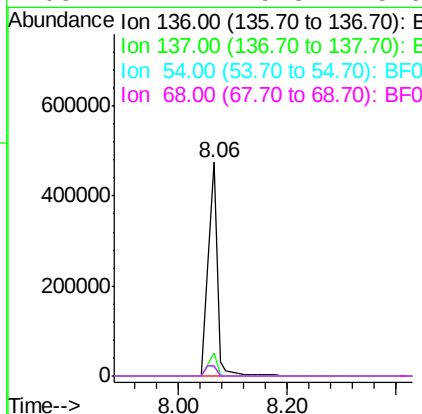
RT: 8.06 min Scan# 523

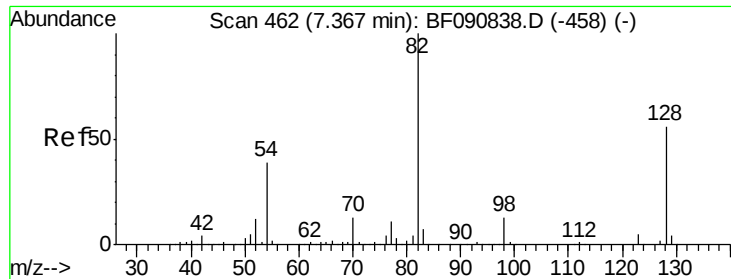
Delta R.T. 0.00 min

Lab File: BF090889.D

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Tgt Ion:	136	Resp:	549136
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	4.5	8.2	12.2#
68	4.7	5.8	8.6#





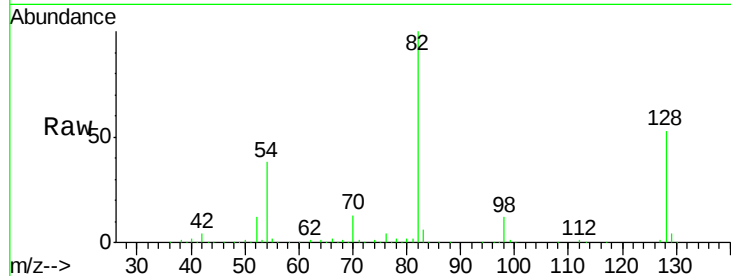
#23
 Nitrobenzene-d5
 Concen: 89.12 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-5COMP(0-16FEET)

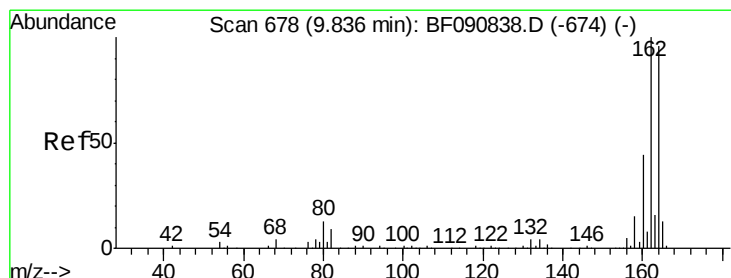
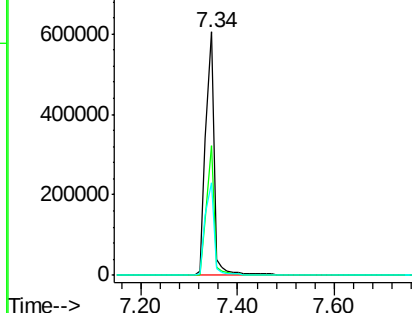
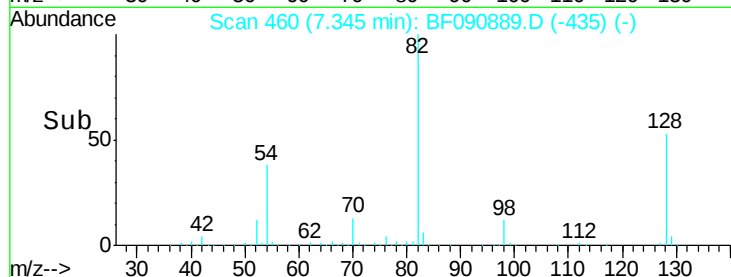
Tot Ion	Ratio	Lower	Upper
82	100		
128	53.2	51.0	76.6
54	38.0	47.5	71.3

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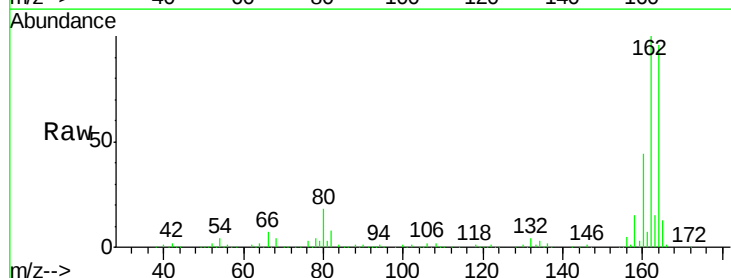


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

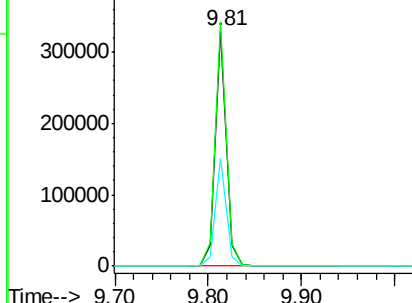
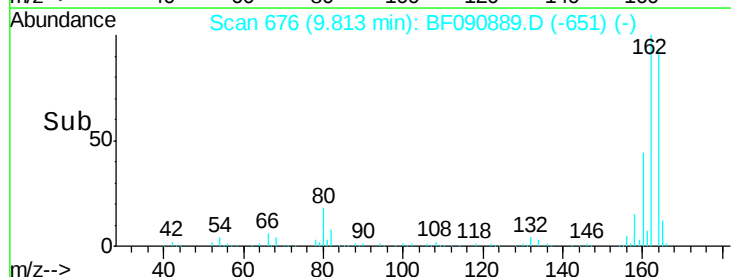


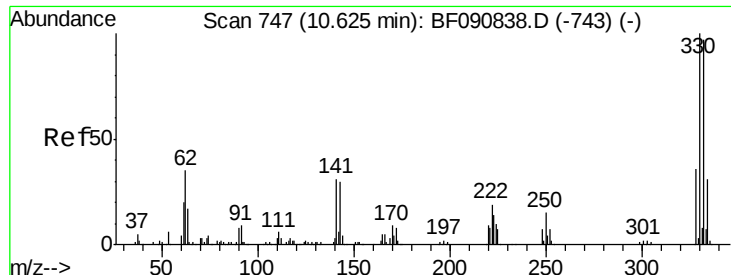
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	75.2	112.8
160	45.8	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





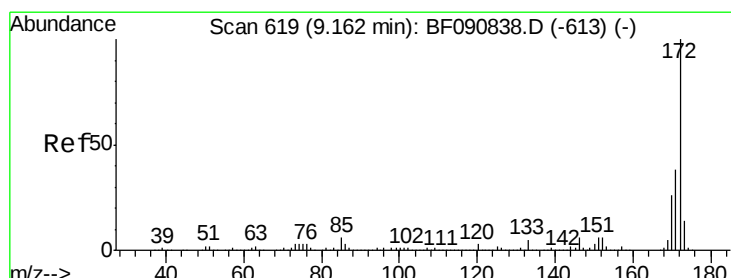
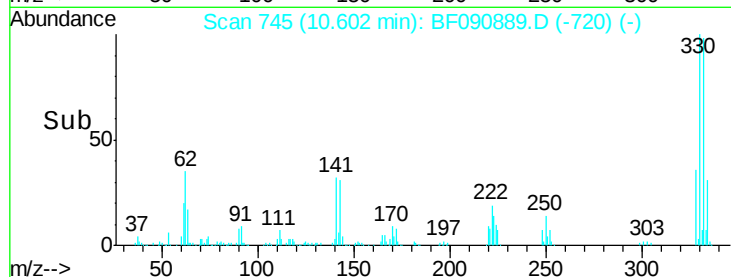
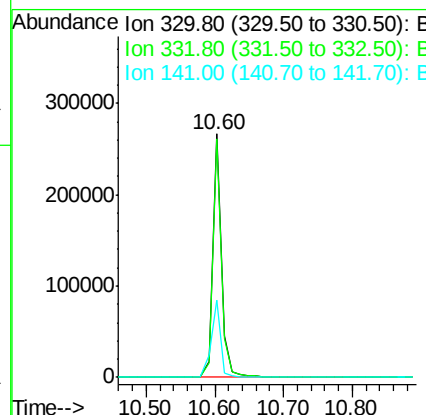
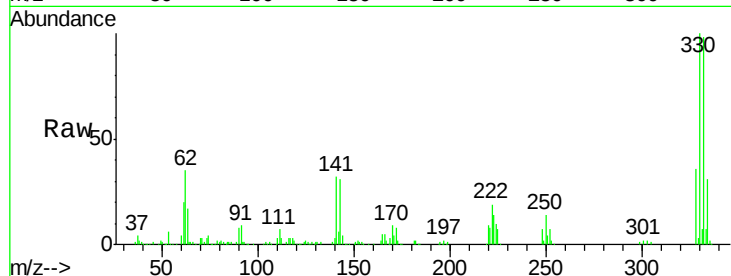
#41
 2,4,6-Tribromophenol
 Concen: 84.91 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-5COMP(0-16FEET)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	237436		
332	96.8	76.6	114.8	
141	34.6	29.7	44.5	

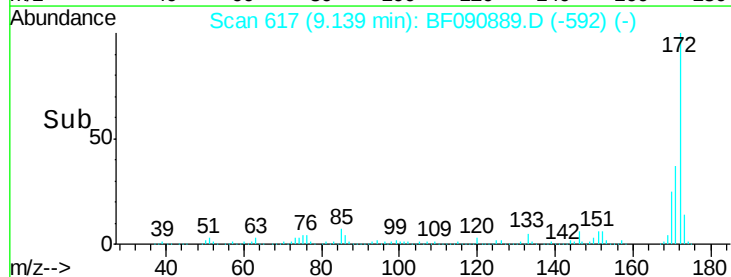
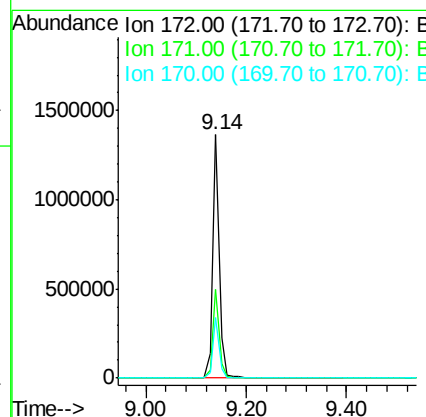
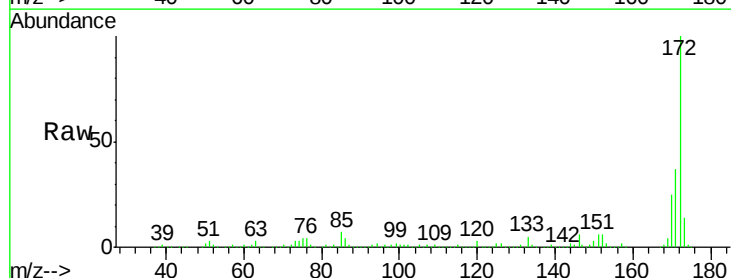
Manual Integrations
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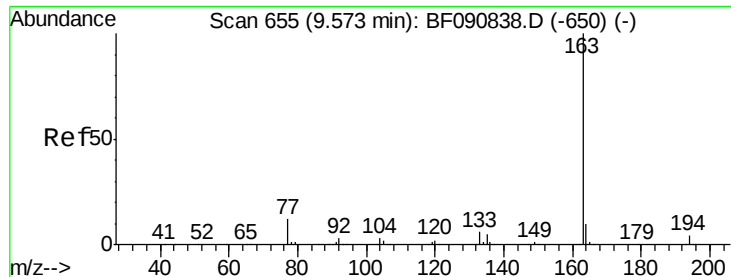
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#44
 2-Fluorobiphenyl
 Concen: 79.67 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF090889.D
 Acq: 28 Oct 2016 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1234570		
171	36.7	26.1	39.1	
170	24.6	17.4	26.2	





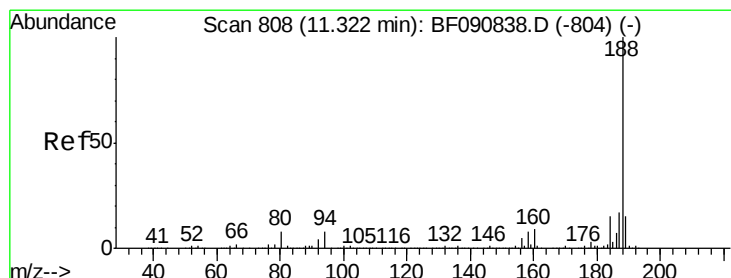
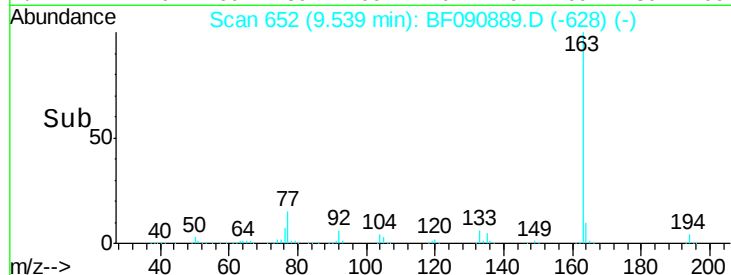
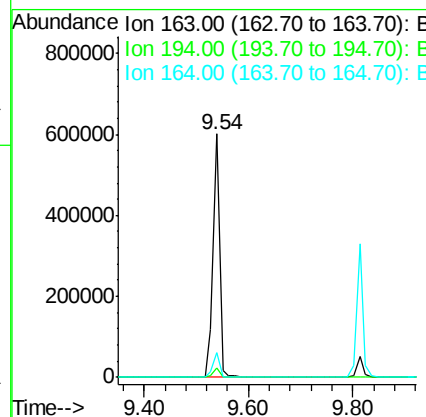
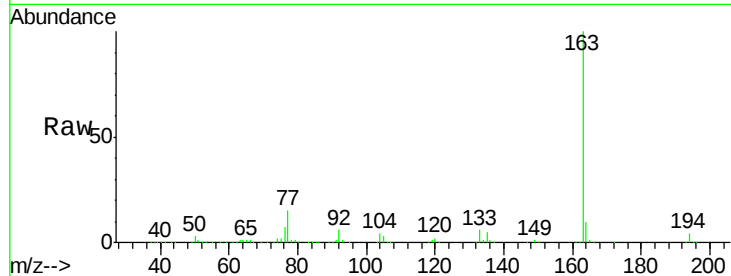
#49
Dimethylphthalate
Concen: 28.66 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

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SB-5COMP(0-16FEET)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	521100		
194	3.8		4.4	6.6#
164	10.2		8.3	12.5

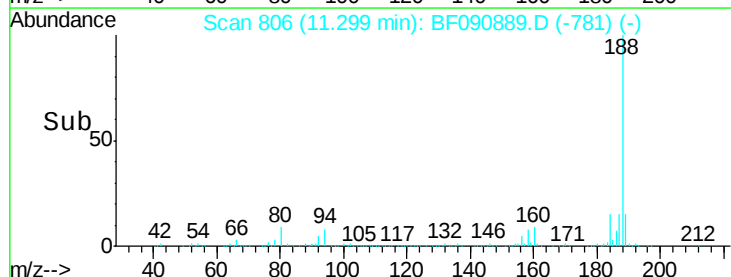
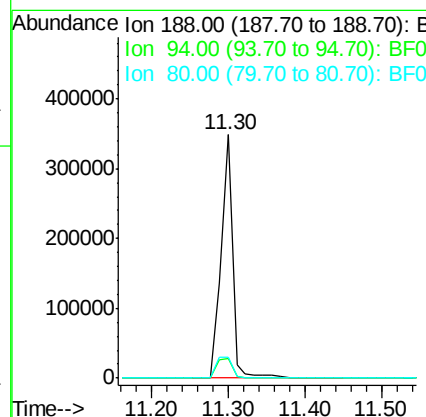
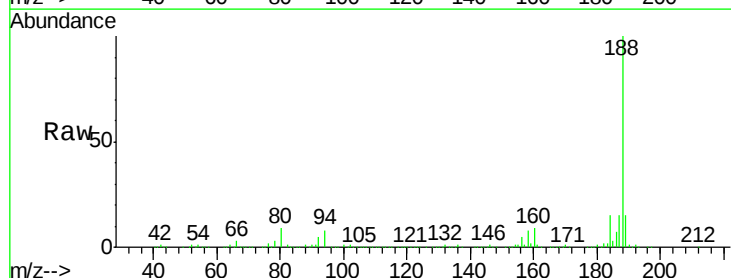
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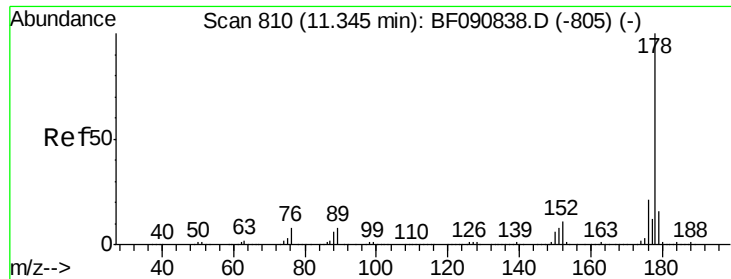
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	364006		
94	7.9		11.1	16.7#
80	8.7		11.0	16.4#





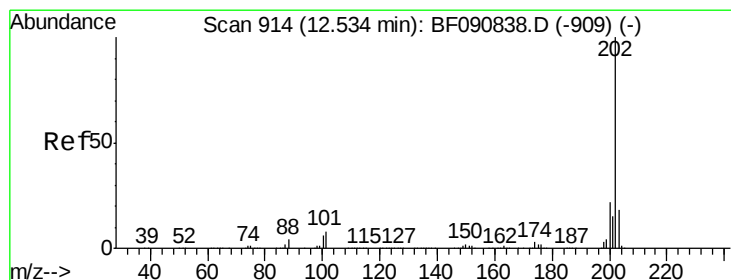
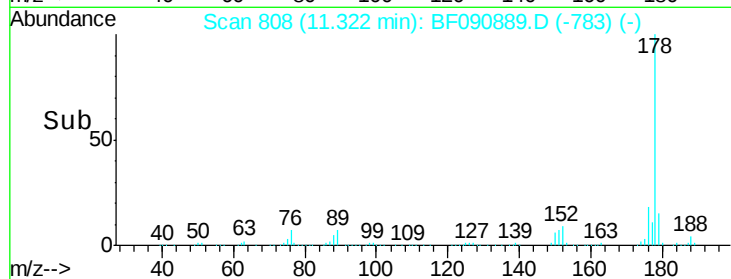
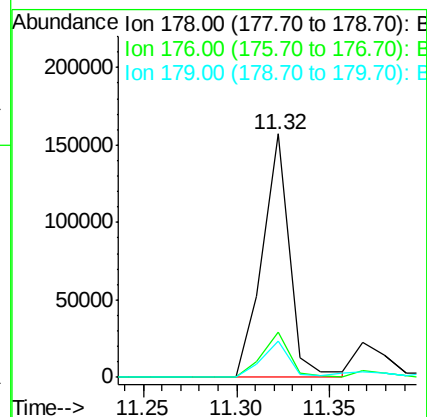
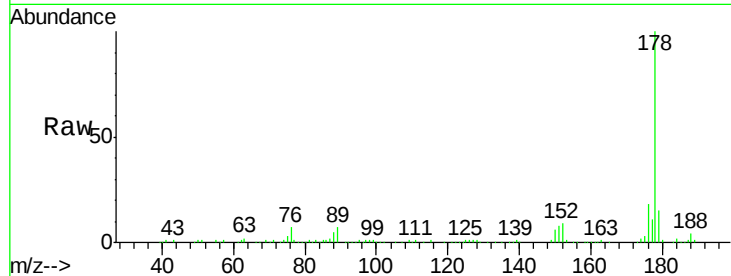
#70
Phenanthrene
Concen: 8.48 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Instrument :
BNA_F
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SB-5COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	13.8	20.8
179	15.0	12.2	18.2

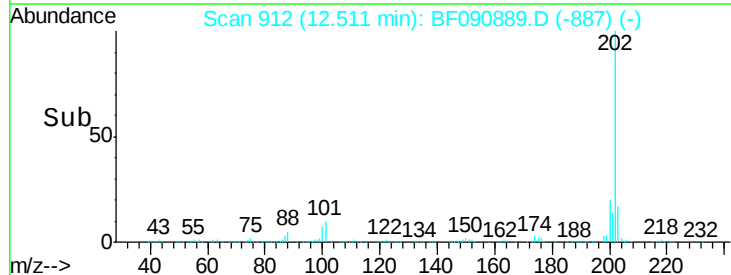
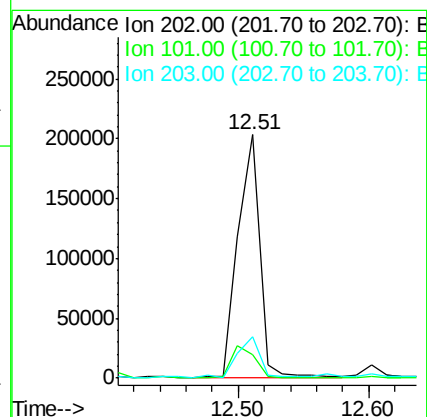
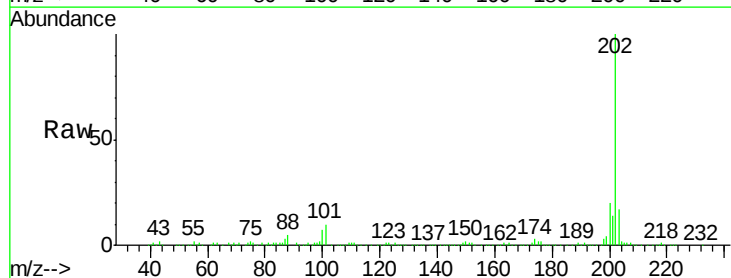
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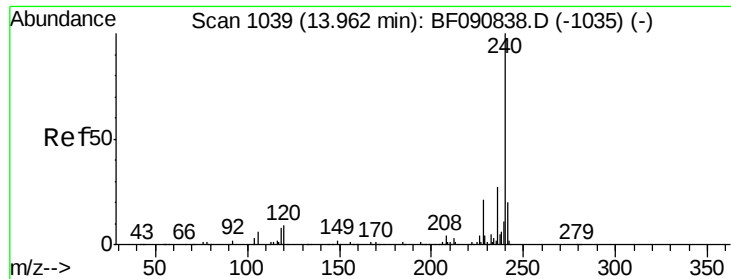
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#74
Fluoranthene
Concen: 11.50 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	38.3
203	17.0	0.0	37.3





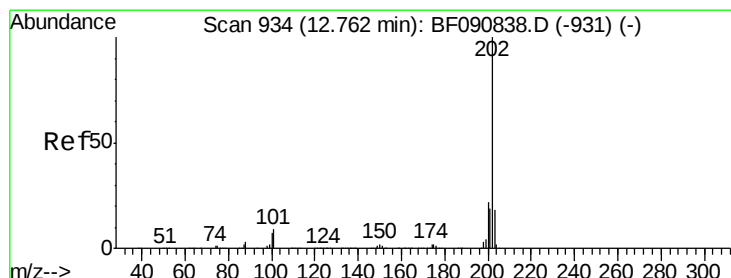
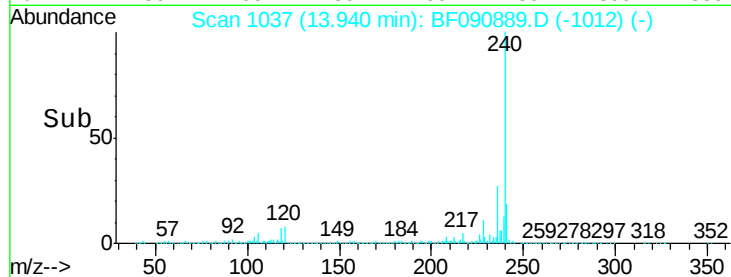
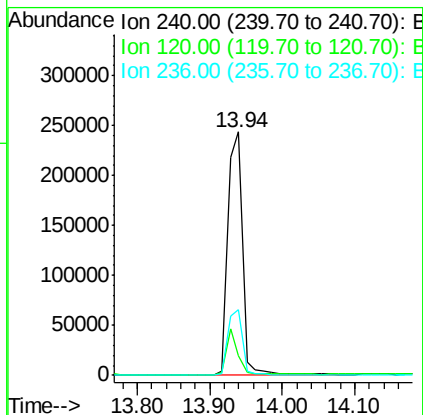
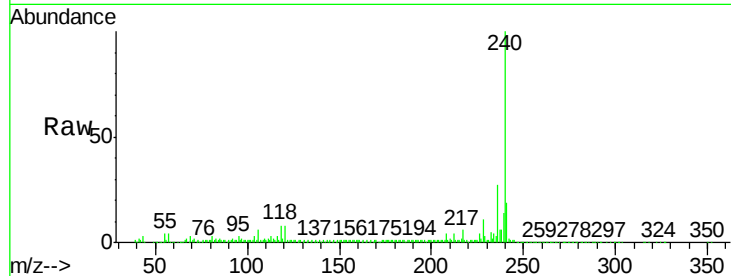
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Instrument :
BNA_F
ClientSampleId :
SB-5COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.3	16.2	24.2#
236	27.1	18.4	27.6

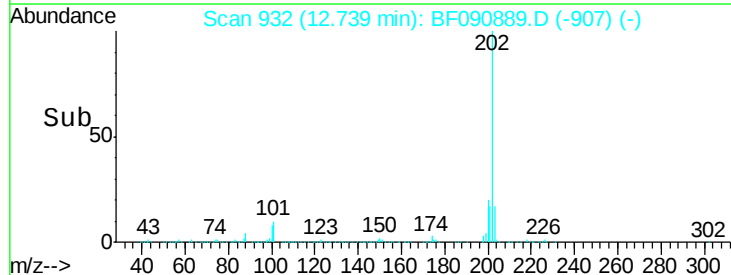
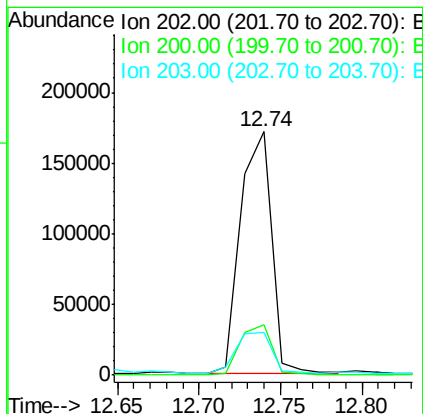
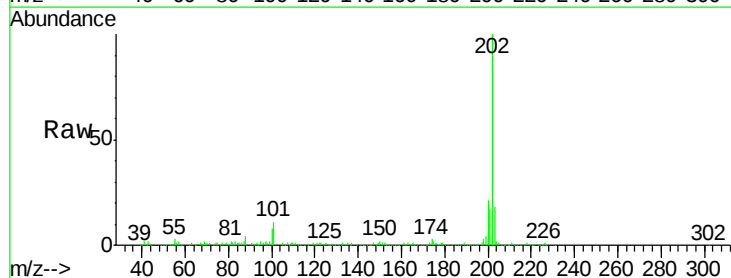
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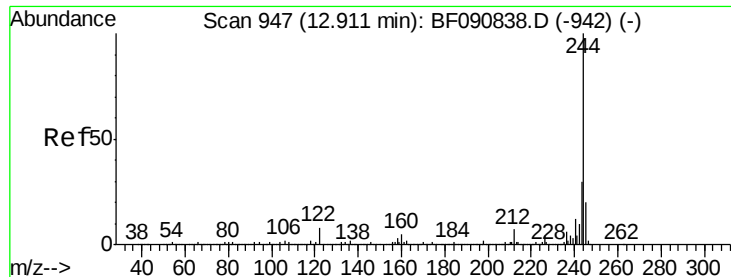
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#77
Pyrene
Concen: 10.39 ng
RT: 12.74 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	15.0	22.4
203	17.5	14.1	21.1





#78

Terphenyl-d14

Concen: 76.48 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-5COMP(0-16FEET)

Tot Ion:244 Resp: 1036407

Ion Ratio Lower Upper

244 100

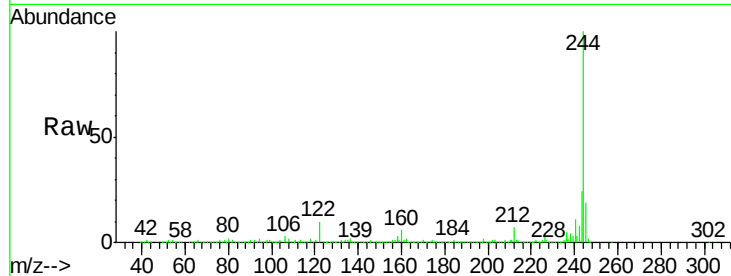
212 6.7 4.3 6.5#

122 9.8 17.4 26.2#

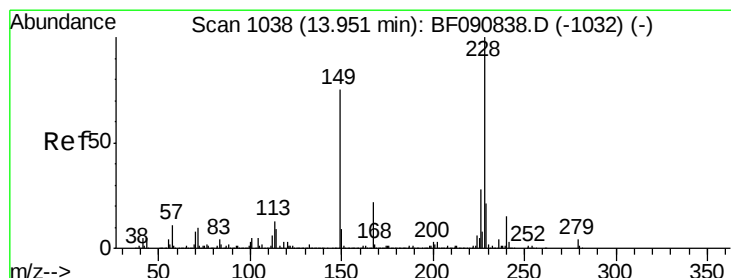
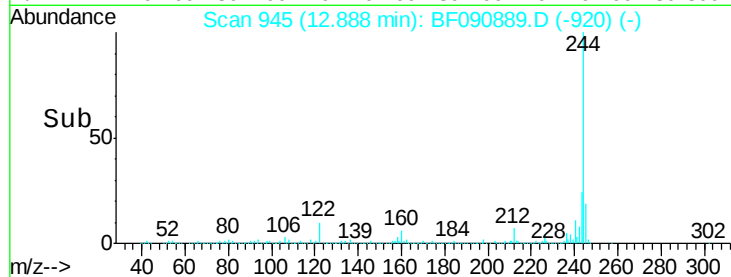
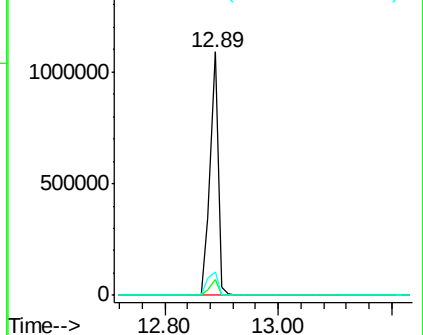
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.41 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

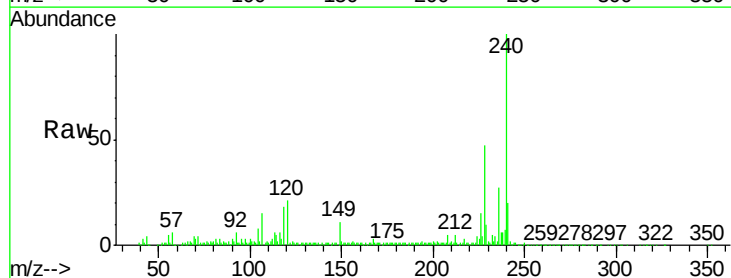
Tgt Ion:228 Resp: 134274

Ion Ratio Lower Upper

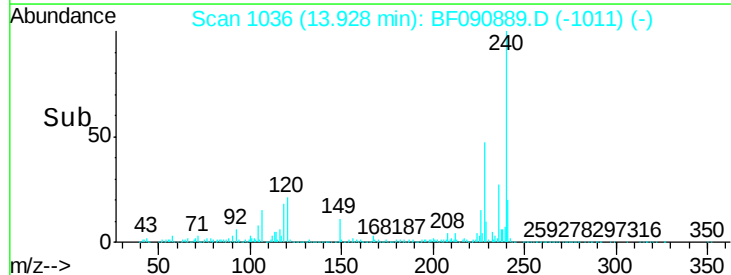
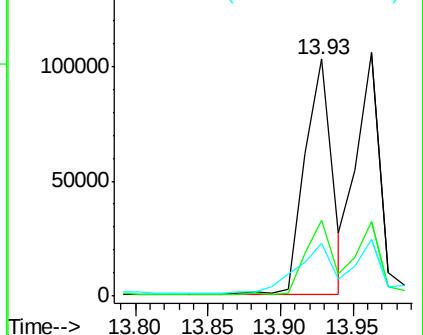
228 100

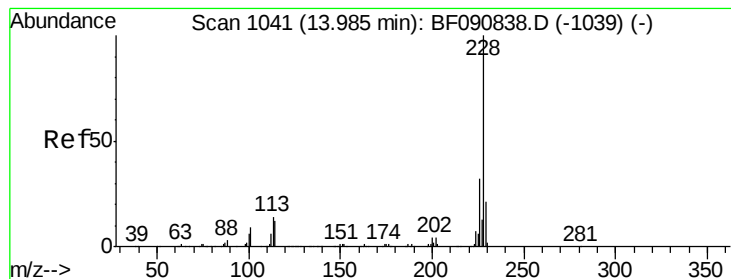
226 31.8 20.0 30.0#

229 22.1 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.61 ng m

RT: 13.96 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Instrument :

BNA_F

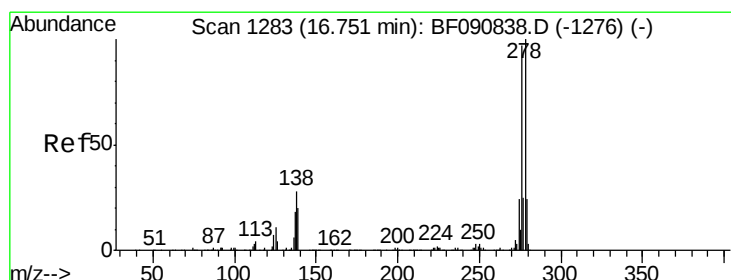
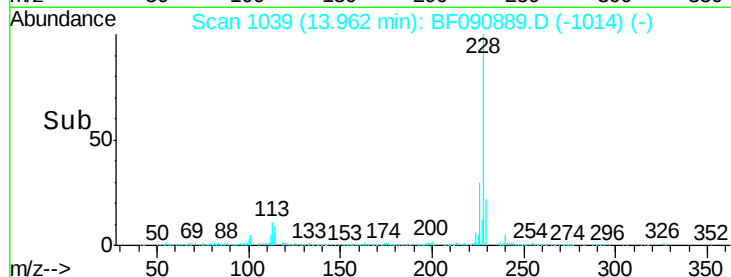
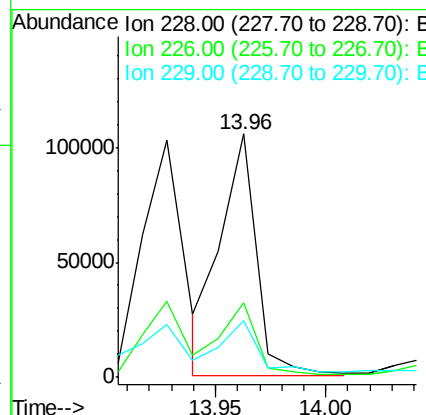
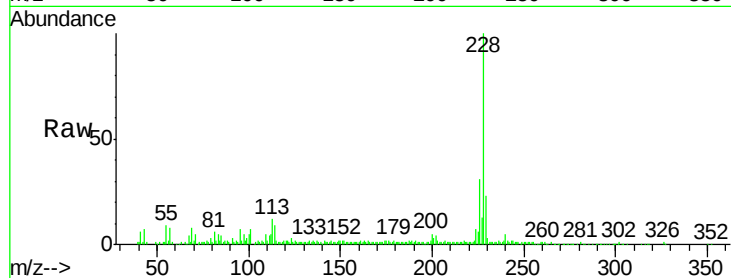
ClientSampleId :

SB-5COMP(0-16FEET)

Tot Ion:	228	Resp:	121051
Ion Ratio	Lower	Upper	
228	100		
226	30.5	21.0	31.4
229	23.4	15.6	23.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.24 ng m

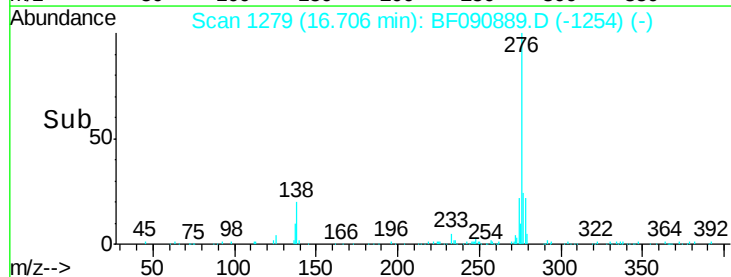
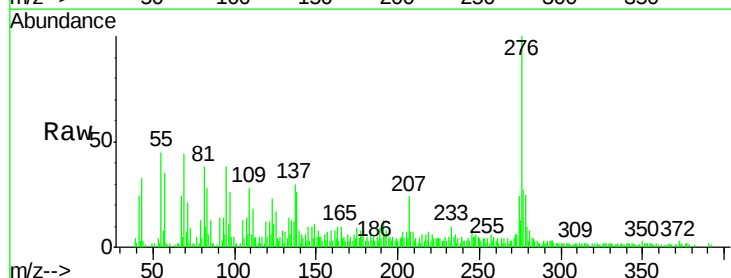
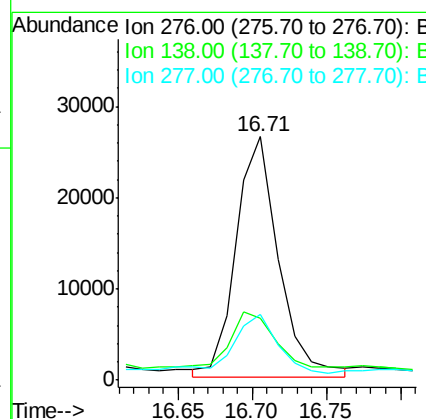
RT: 16.71 min Scan# 1279

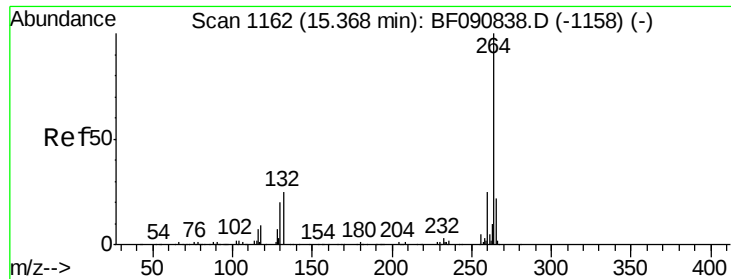
Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Tgt Ion:	276	Resp:	52573
Ion Ratio	Lower	Upper	
276	100		
138	7.0	25.7	38.5#
277	4.7	15.6	23.4#





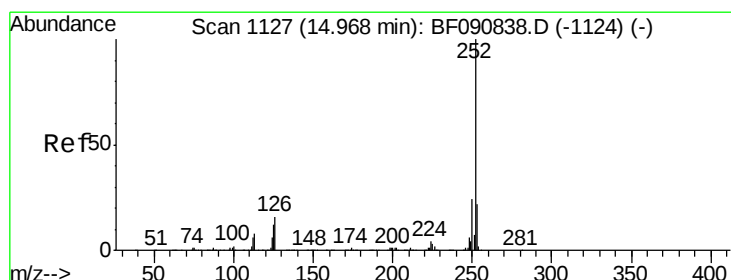
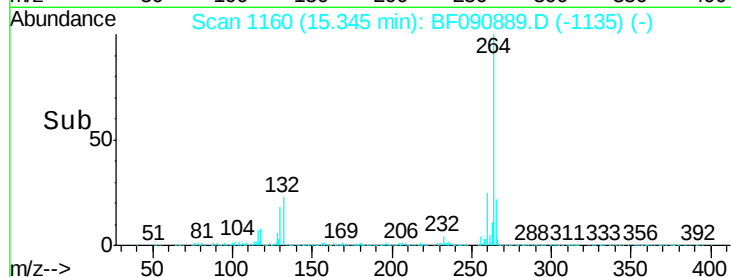
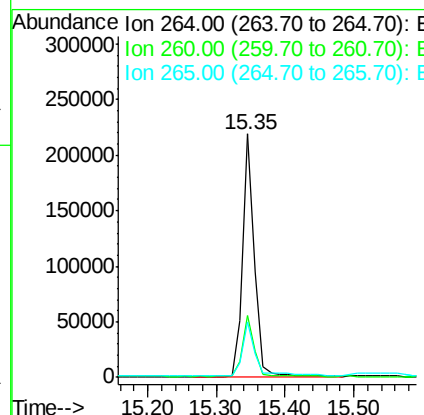
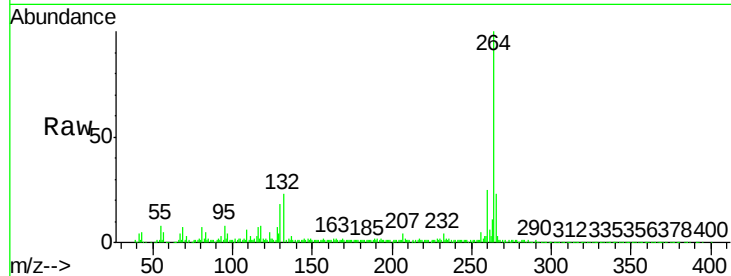
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Instrument :
BNA_F
ClientSampleId :
SB-5COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	16.7	25.1#
265	22.7	17.2	25.8

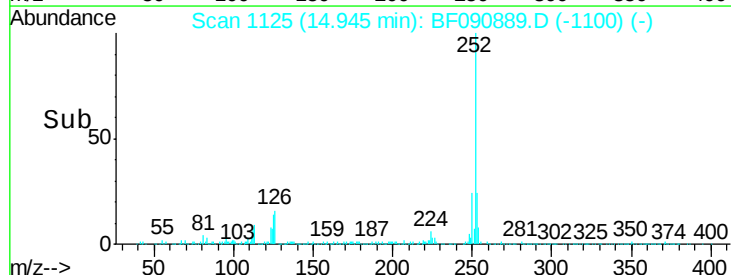
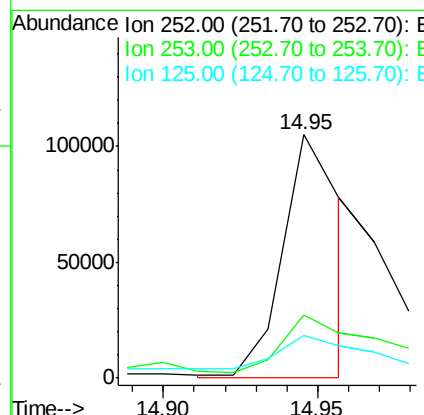
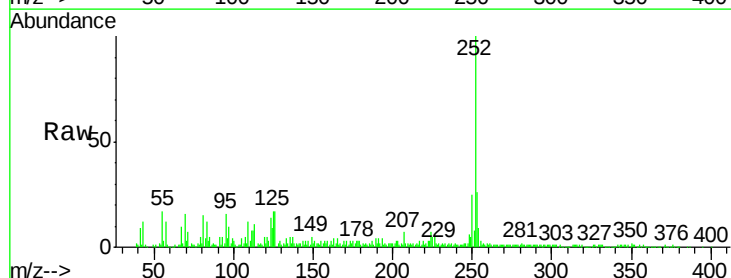
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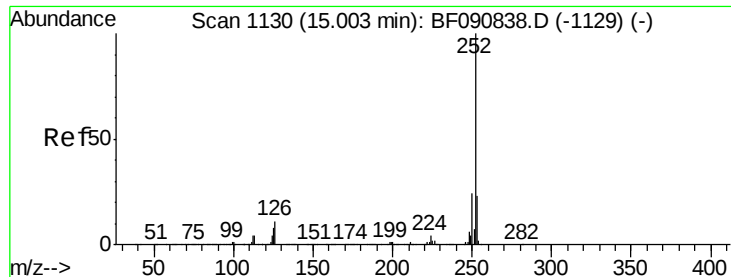
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#87
Benzo(b)fluoranthene
Concen: 7.92 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.5	26.3
125	17.3	17.1	25.7





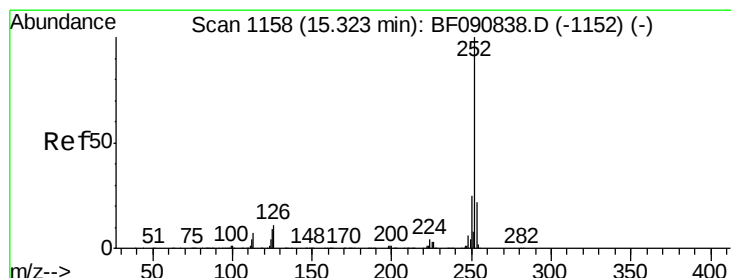
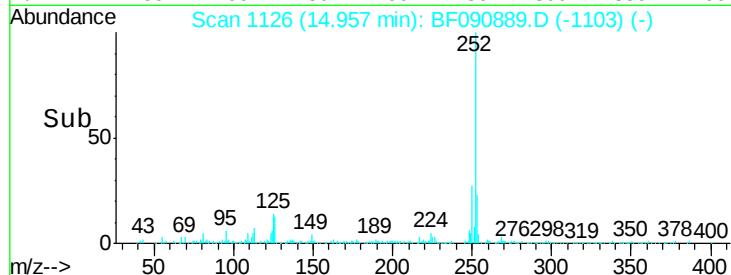
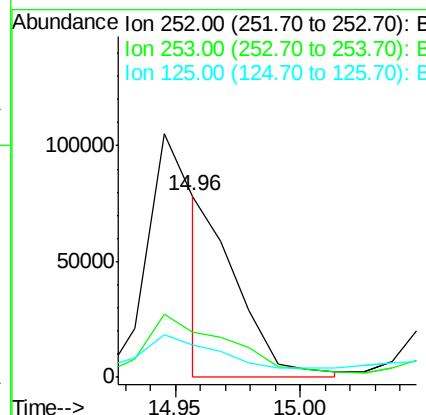
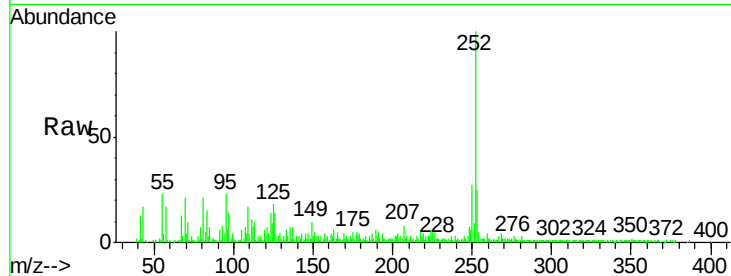
#88
Benzo(k)fluoranthene
Concen: 4.83 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.03 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Instrument :
BNA_F
ClientSampleId :
SB-5COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.4
125	18.1	16.0	24.0

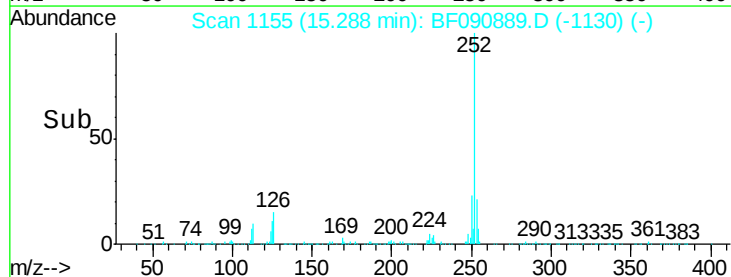
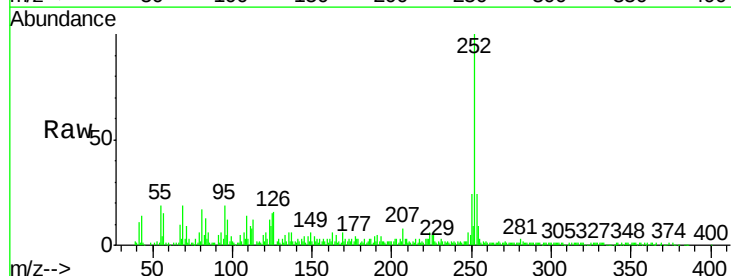
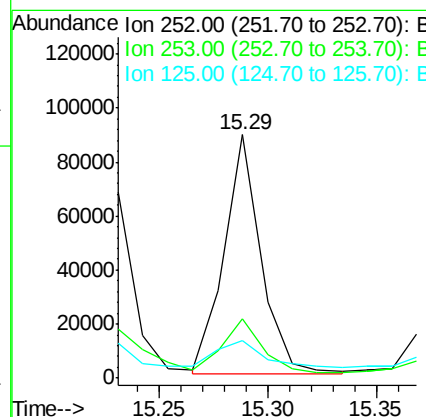
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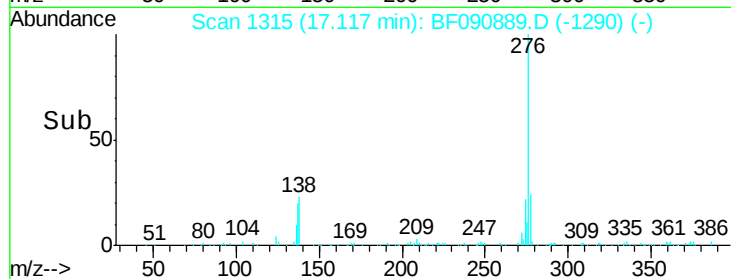
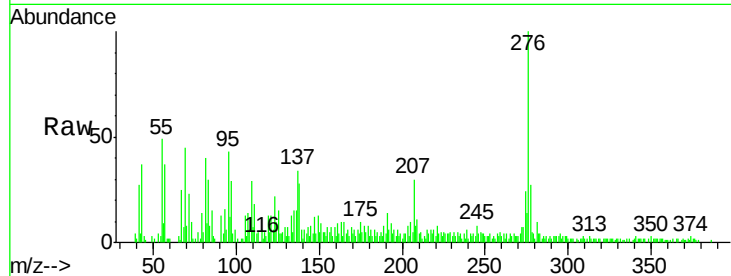
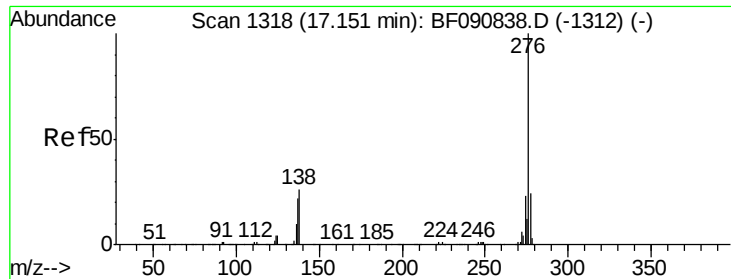
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#89
Benzo(a)pyrene
Concen: 6.79 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF090889.D
Acq: 28 Oct 2016 1:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	15.4	18.0	27.0#





#91

Benzo(a,h,i)perylene

Concen: 3.99 ng

RT: 17.12 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF090889.D

Acq: 28 Oct 2016 1:35

Instrument :

BNA_F

ClientSampleId :

SB-5COMP(0-16FEET)

Tot Ion: 276 Resp: 48725

Ion Ratio Lower Upper

276 100

277 27.2 17.8 26.6#

138 27.5 34.6 51.8#

Manual Integrations
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