

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092016\
 Data File : BF090218.D
 Acq On : 26 Sep 2016 13:51
 Operator : UM/SJ
 Sample : H4927-01DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18ADL

Manual Integrations
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Quant Time: Sep 26 16:10:05 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	153679	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	621838	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	334622	20.00	ng	0.00
63) Phenanthrene-d10	10.98	188	528694	20.00	ng	0.00
75) Chrysene-d12	13.59	240	374390	20.00	ng	-0.01
86) Perylene-d12	14.91	264	318776	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	43066	4.57	ng	0.00
7) Phenol-d6	6.12	99	93766	8.05	ng	-0.01
23) Nitrobenzene-d5	7.05	82	54148	5.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	4776	1.66	ng	0.00
44) 2-Fluorobiphenyl	8.84	172	142479	8.36	ng	-0.01
78) Terphenyl-d14	12.56	244	119833	8.13	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.24	163	43315	2.03	ng	98
51) Acenaphthene	9.54	154	96018	5.64	ng	98
57) Fluorene	10.04	166	80813	4.79	ng	100
70) Phenanthrene	11.01	178	965905	39.07	ng	99
71) Anthracene	11.05	178	300858	11.60	ng	98
74) Fluoranthene	12.18	202	565280	21.30	ng	92
77) Pyrene	12.40	202	923596	36.05	ng	# 96
80) Benzo(a)anthracene	13.59	228	420833	20.89	ng	98
82) Chrysene	13.62	228	374101m	19.07	ng	
85) Indeno(1,2,3-cd)pyrene	16.06	276	81604	5.14	ng	91
87) Benzo(b)fluoranthene	14.57	252	193825m	10.98	ng	
88) Benzo(k)fluoranthene	14.58	252	78423m	4.73	ng	
89) Benzo(a)pyrene	14.86	252	189481	11.41	ng	# 93
90) Dibenzo(a,h)anthracene	16.07	278	27931	2.16	ng	# 90
91) Benzo(a,h,i)perylene	16.39	276	93536	7.38	ng	96

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



#1

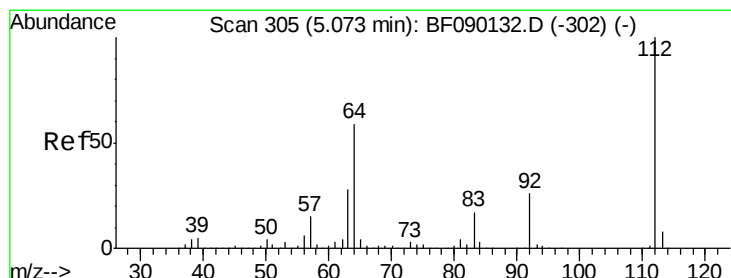
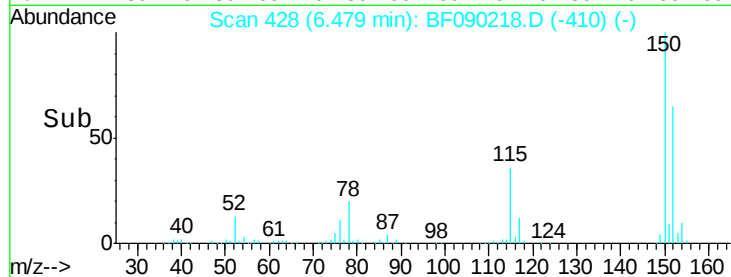
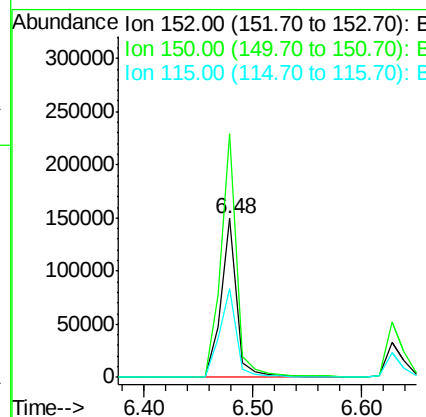
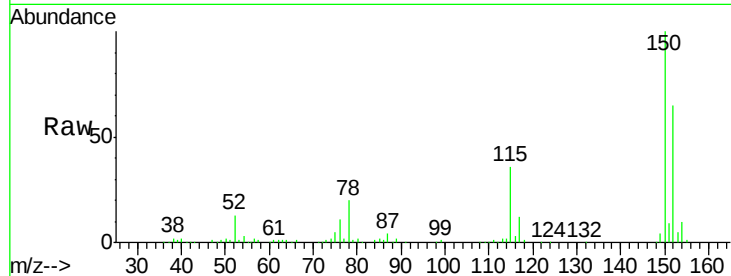
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF090218.D
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TRACK-D-GRID-18ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	128.9	193.3
115	55.6	55.5	83.3

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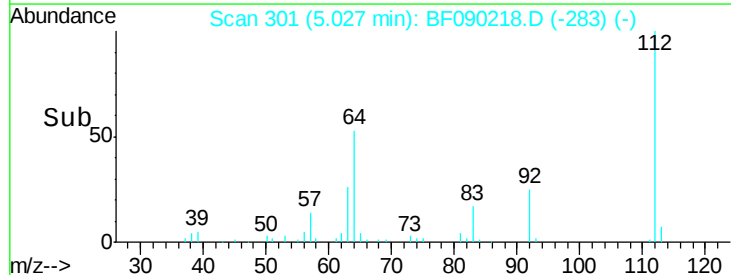
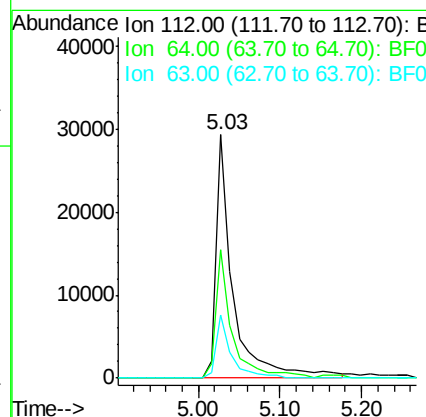
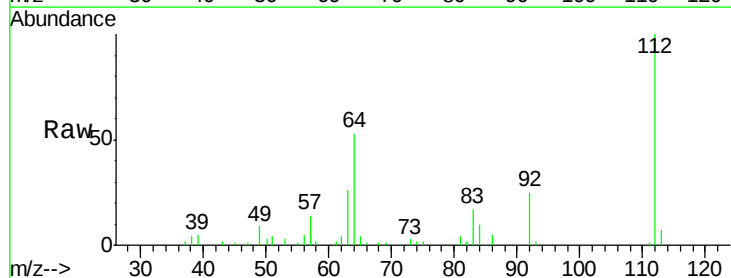
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#5

2-Fluorophenol
Concen: 4.57 ng
RT: 5.03 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	39.8	59.6
63	25.8	18.9	28.3





#7

Phenol-d6

Concen: 8.05 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

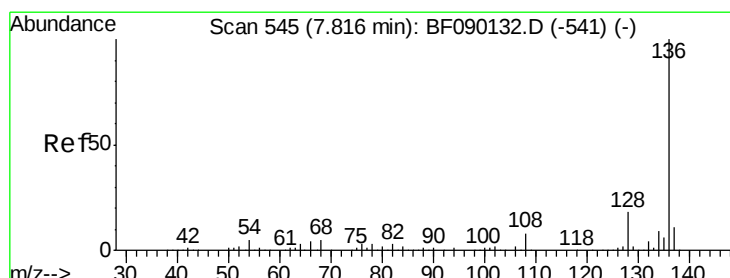
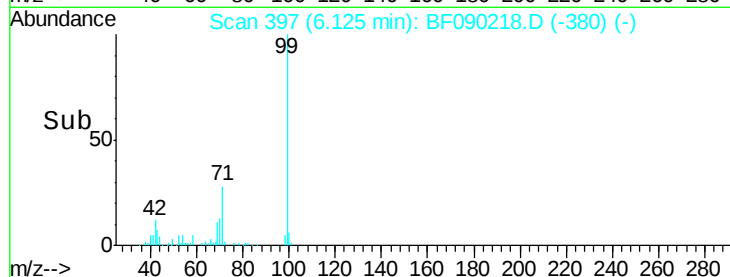
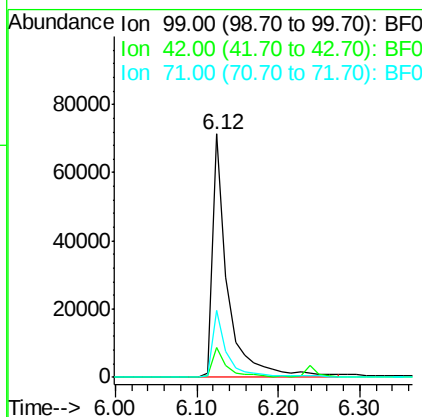
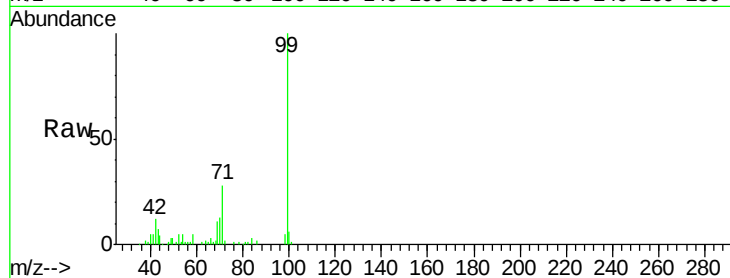
ClientSampleId :

TRACK-D-GRID-18ADL

Tot Ion:	99	Resp:	93766
Ion Ratio	Lower	Upper	
99	100		
42	12.5	10.6	15.8
71	27.6	23.0	34.6

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#21

Naphthalene-d8

Concen: 20.00 ng

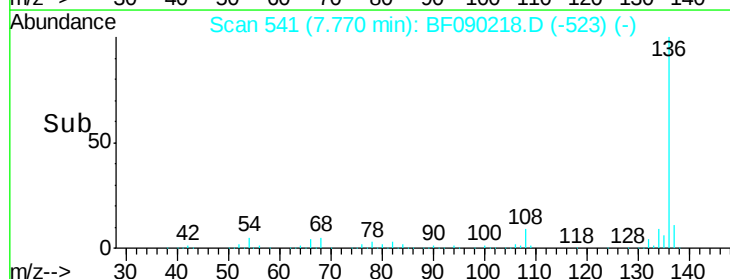
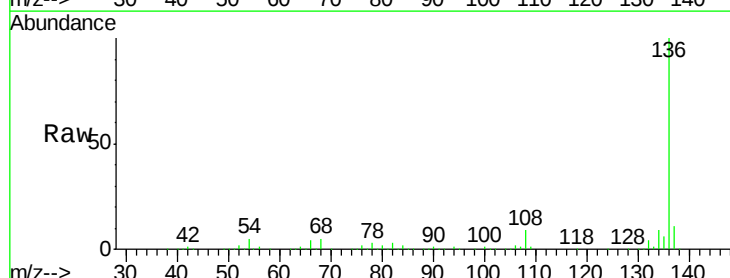
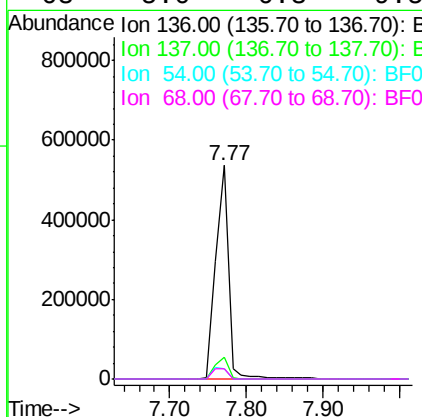
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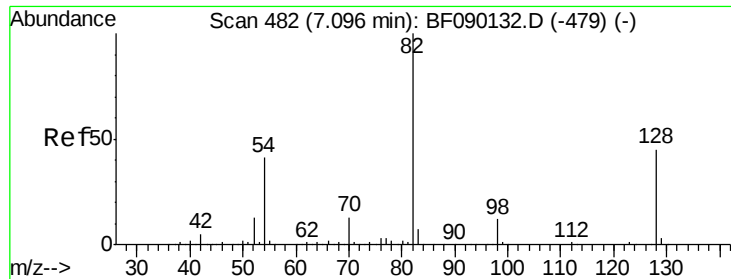
Delta R.T. 0.00 min

Lab File: BF090218.D

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Tgt Ion:	136	Resp:	621838
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.0	13.4
54	4.9	6.4	9.6#
68	5.0	6.3	9.5#





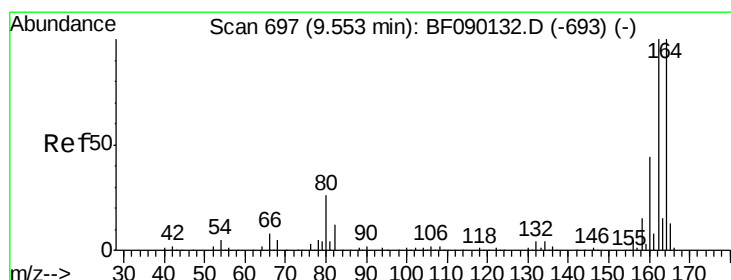
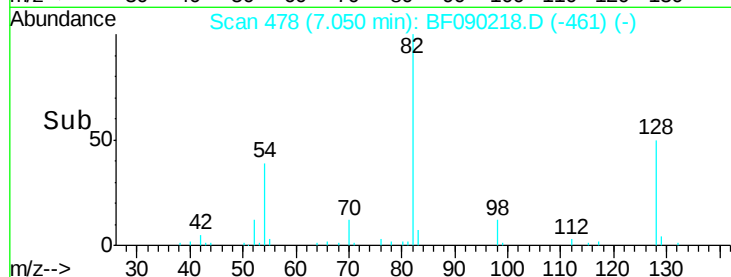
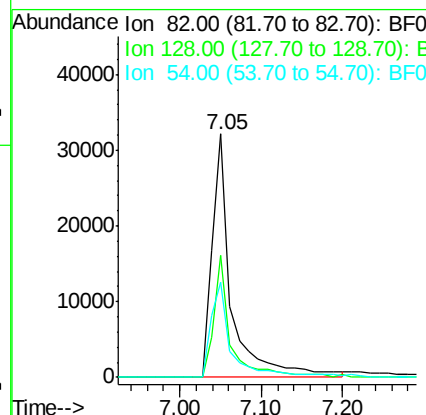
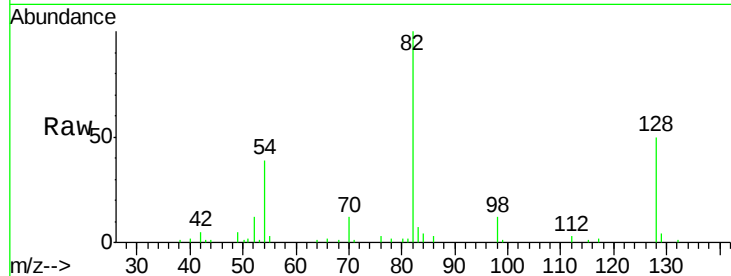
#23
 Nitrobenzene-d5
 Concen: 5.05 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	82	Resp	54148
Ion Ratio	100	Lower	Upper
82	100		
128	49.9	37.5	56.3
54	38.8	31.9	47.9

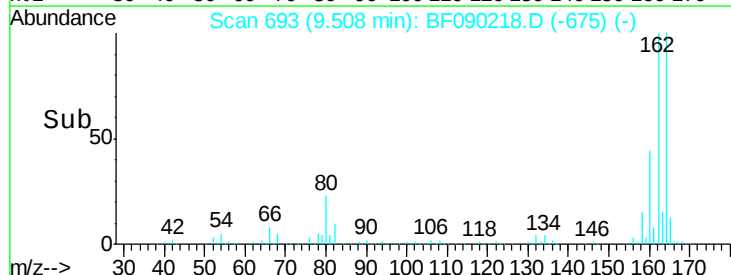
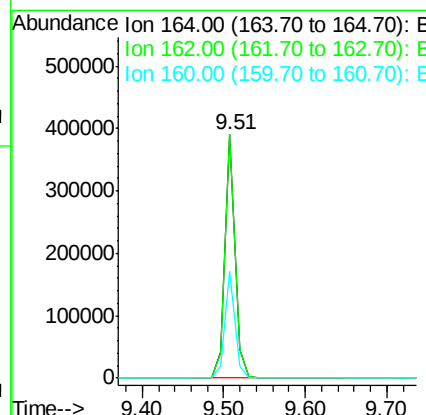
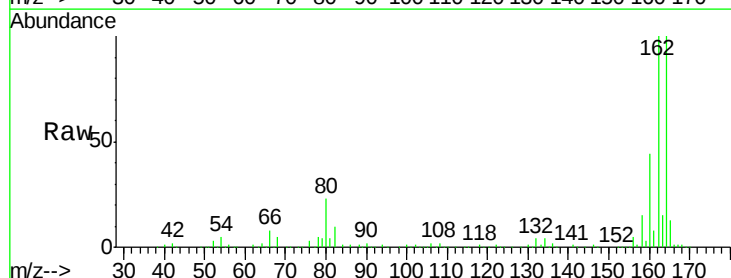
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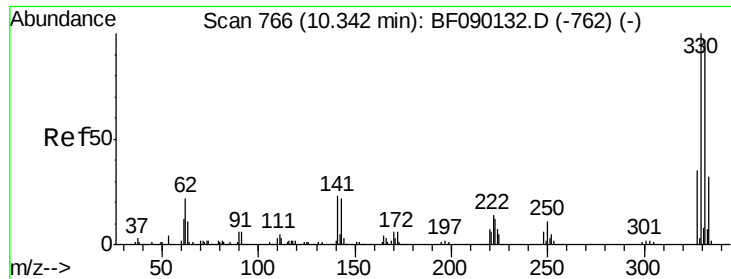
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF090218.D
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Tgt Ion	164	Resp	334622
Ion Ratio	100	Lower	Upper
164	100		
162	99.8	81.4	122.2
160	43.7	36.6	54.8





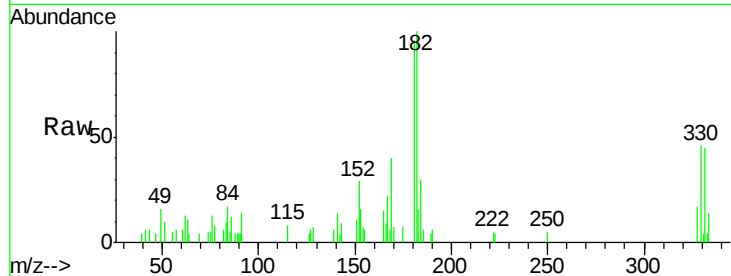
#41
 2,4,6-Tribromophenol
 Concen: 1.66 ng
 RT: 10.30 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18ADL

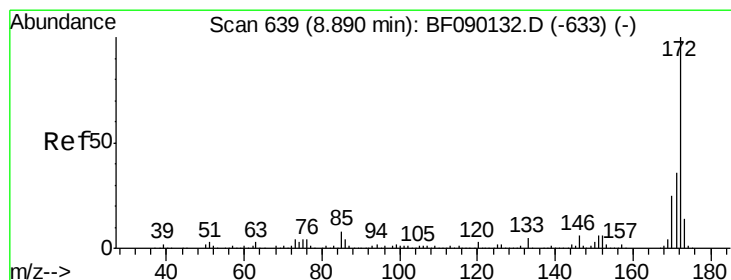
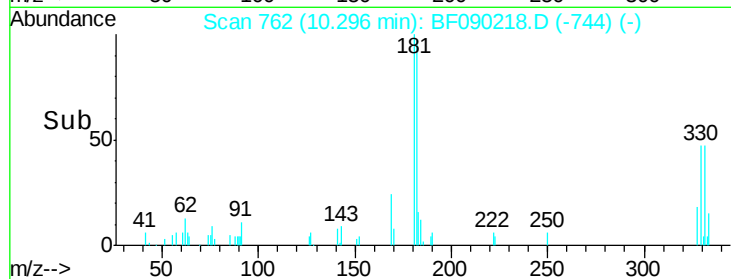
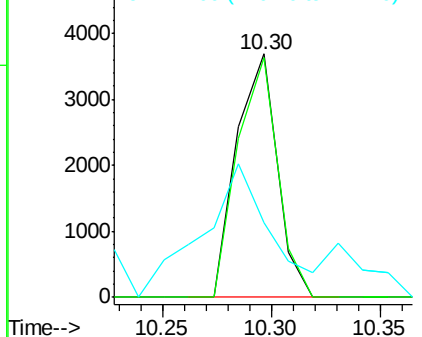
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	93.2	23.9	35.9

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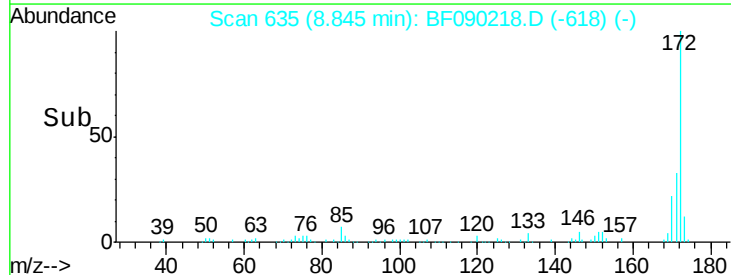
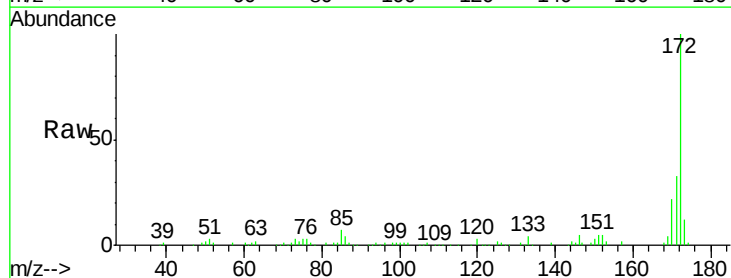
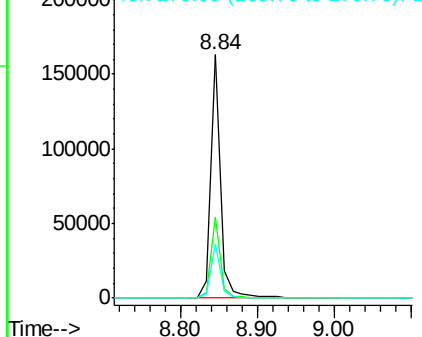
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

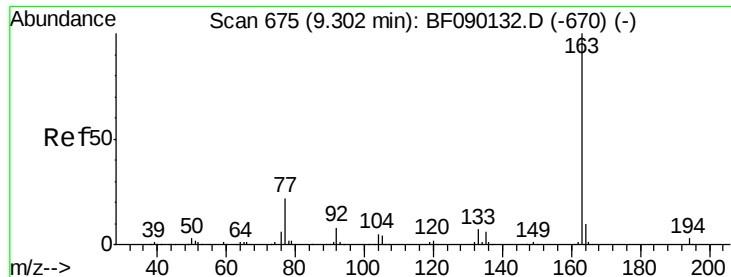


#44
 2-Fluorobiphenyl
 Concen: 8.36 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	29.2	43.8
170	22.0	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.03 ng

RT: 9.24 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

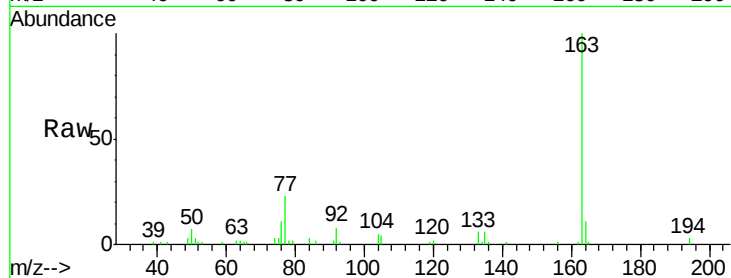
ClientSampleId :

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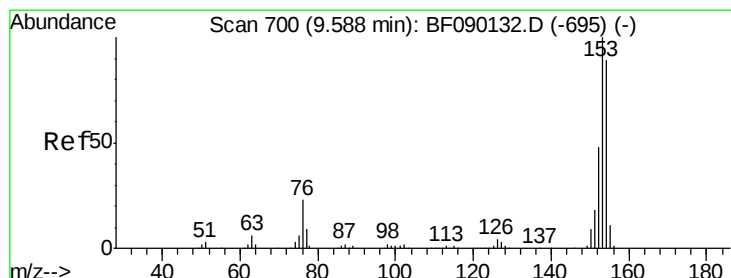
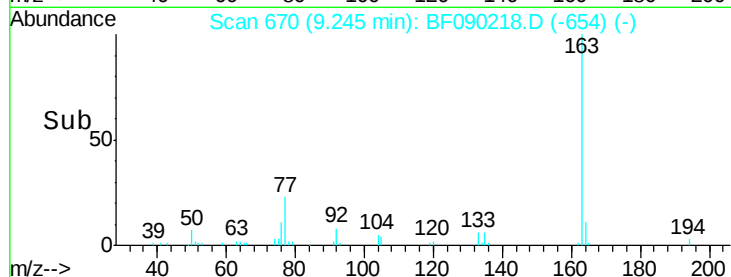
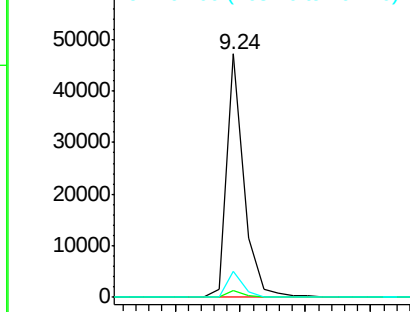
Tot Ion:	163	Resp:	43315
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.8	4.2
164	10.6	8.1	12.1

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 5.64 ng

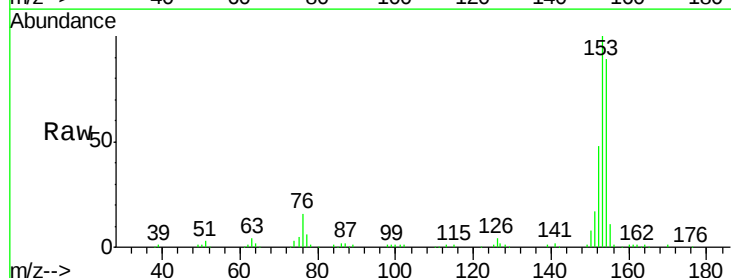
RT: 9.54 min Scan# 696

Delta R.T. 0.00 min

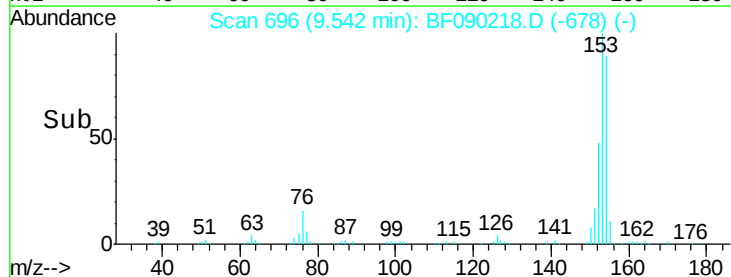
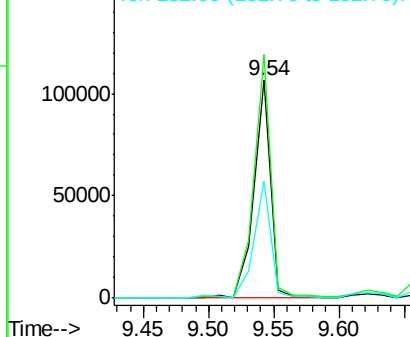
Lab File: BF090218.D

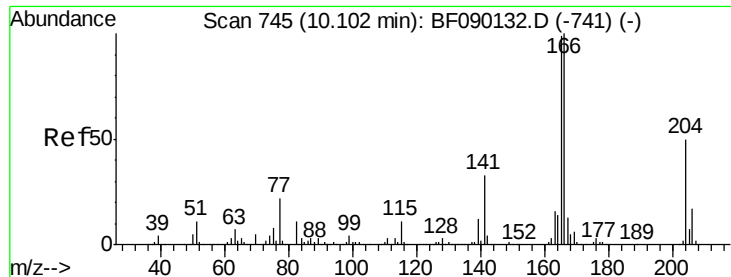
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Tgt Ion:	154	Resp:	96018
Ion Ratio	Lower	Upper	
154	100		
153	111.7	90.8	136.2
152	53.5	44.2	66.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





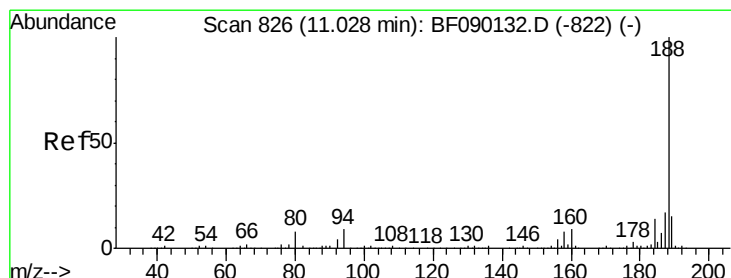
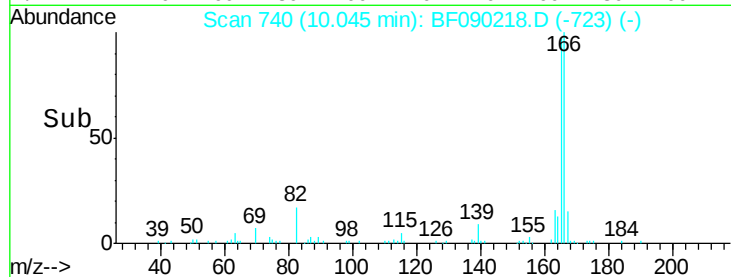
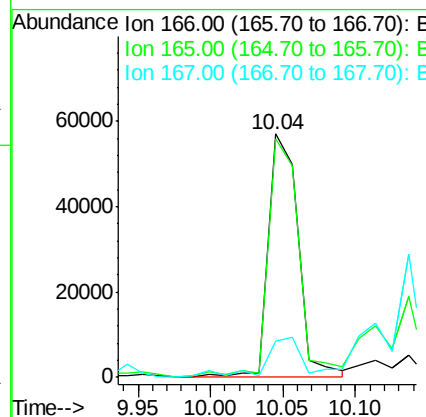
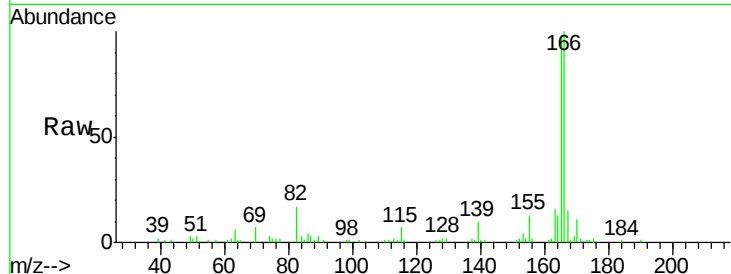
#57
Fluorene
 Concen: 4.79 ng
 RT: 10.04 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

Instrument :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.5	117.7
167	15.0	11.2	16.8

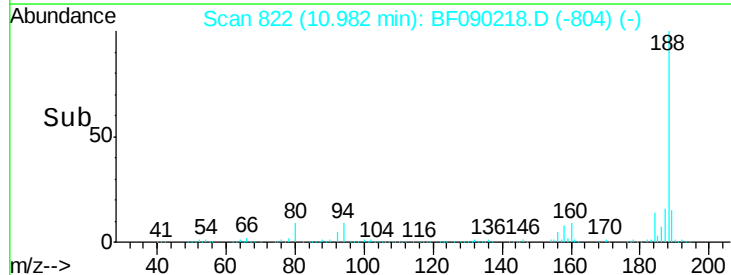
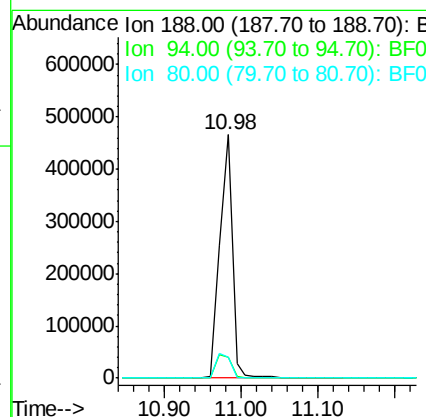
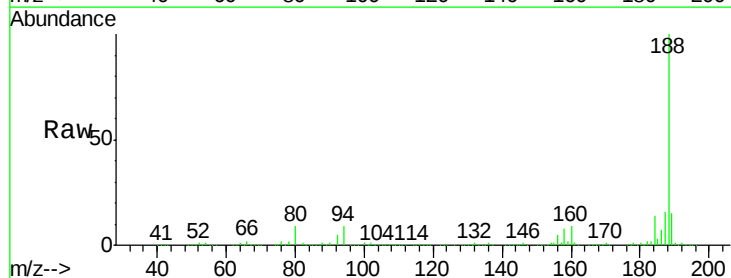
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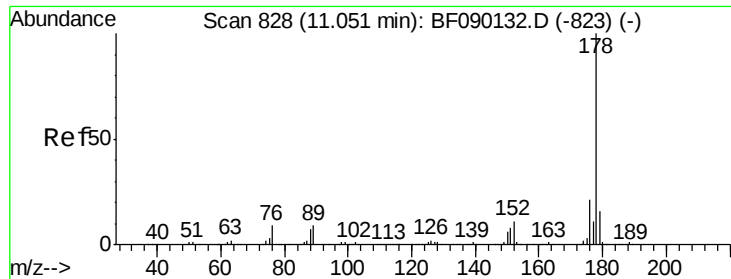
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	10.5	15.7#
80	8.9	11.2	16.8#





#70

Phenanthrene

Concen: 39.07 ng

RT: 11.01 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

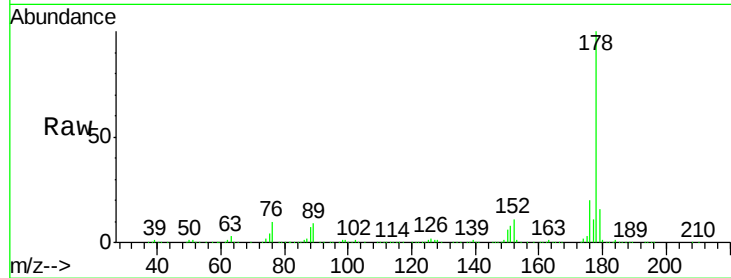
ClientSampleId :

TRACK-D-GRID-18ADL

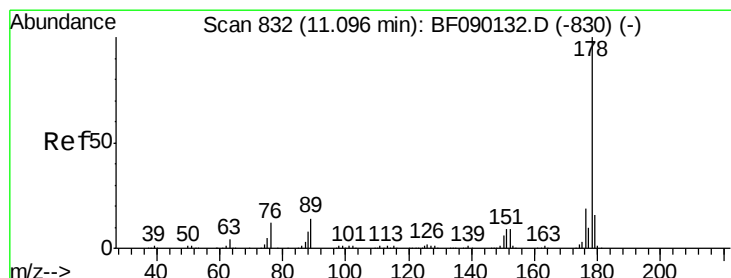
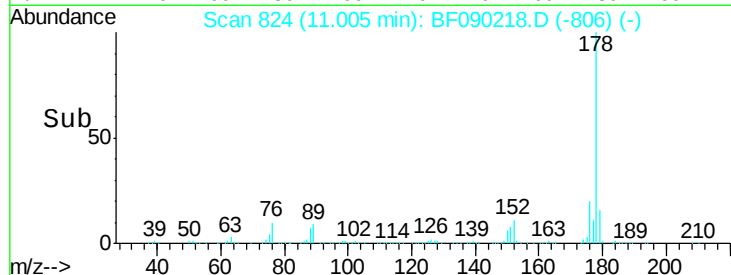
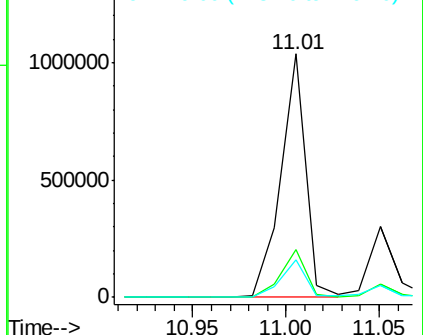
Tot Ion:	178	Resp:	965905
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.9	23.9
179	15.6	12.9	19.3

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 11.60 ng

RT: 11.05 min Scan# 828

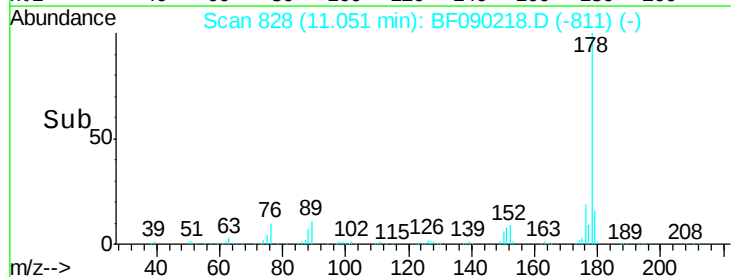
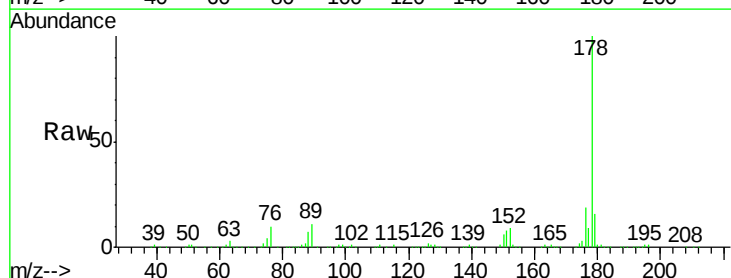
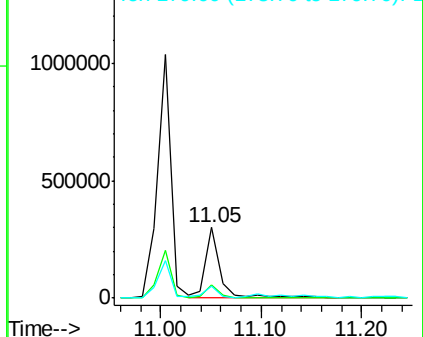
Delta R.T. -0.01 min

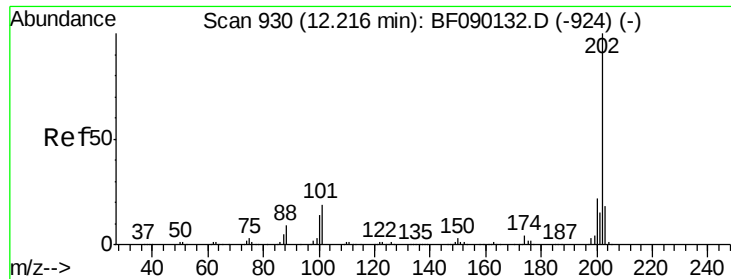
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Tgt Ion:	178	Resp:	300858
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.8	23.6
179	16.3	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 21.30 ng

RT: 12.18 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

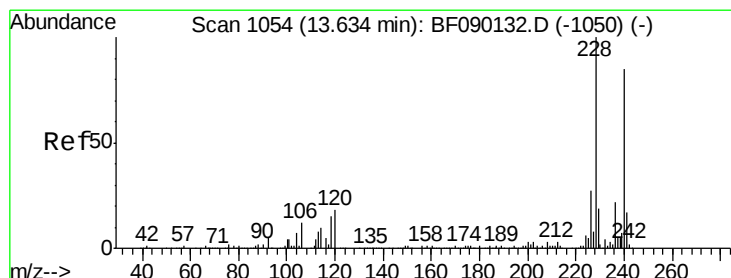
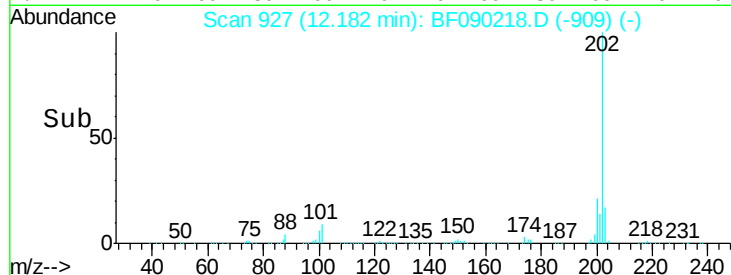
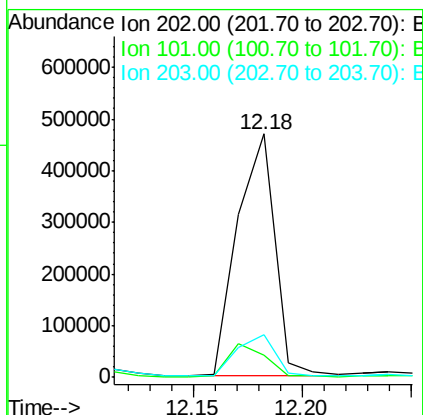
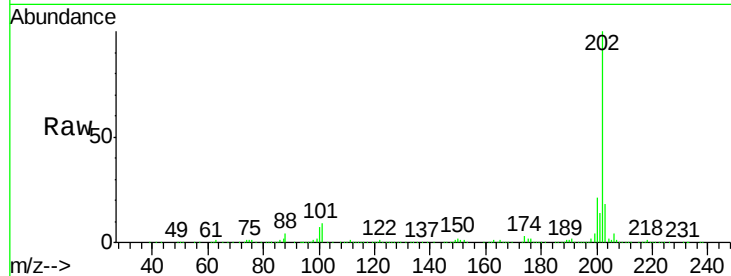
ClientSampleId :

TRACK-D-GRID-18ADL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.3	0.0	36.1
203	17.7	0.0	38.2

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#75

Chrysene-d12

Concen: 20.00 ng

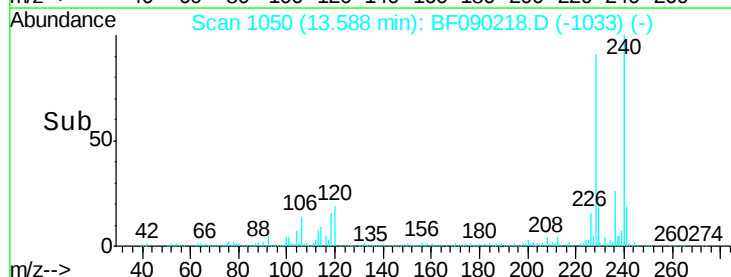
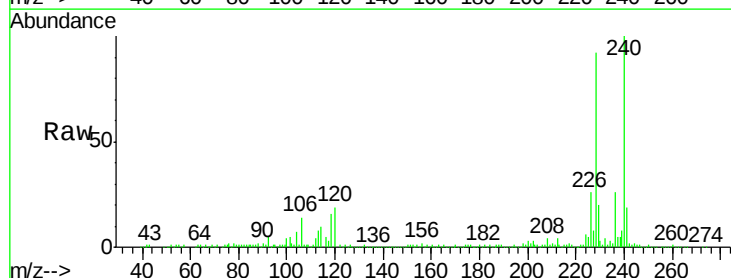
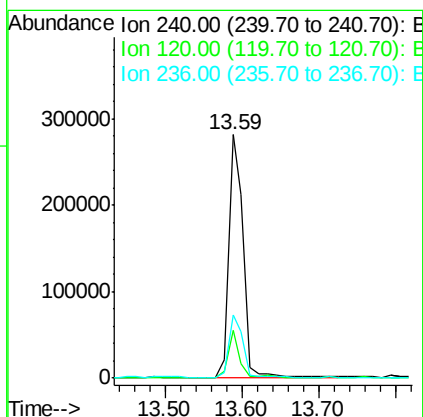
RT: 13.59 min Scan# 1050

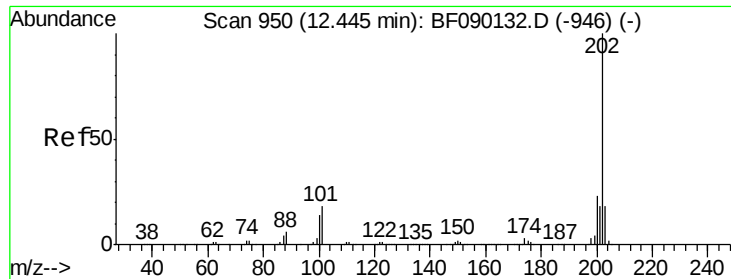
Delta R.T. -0.01 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	19.4	10.6	16.0#
236	26.1	21.6	32.4





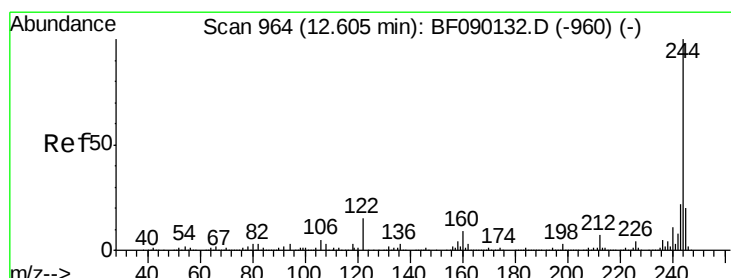
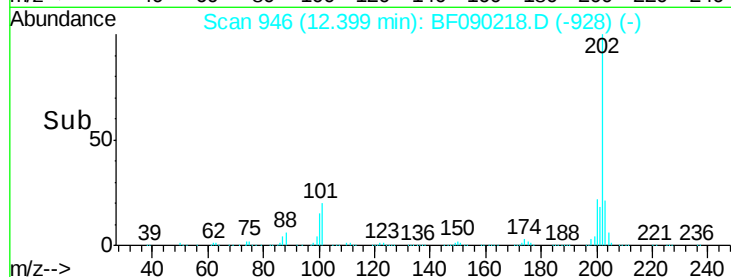
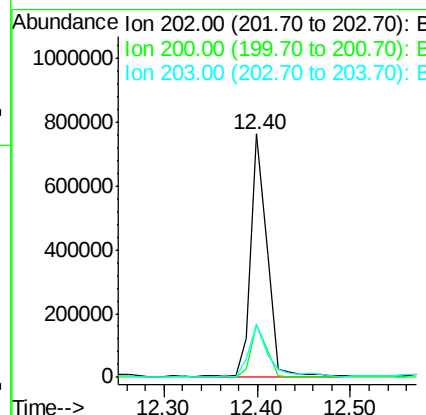
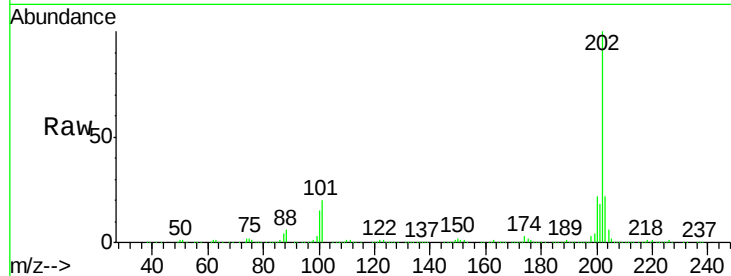
#77
Pvrene
Concen: 36.05 ng
RT: 12.40 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18ADL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.9	26.9
203	21.6	14.2	21.4

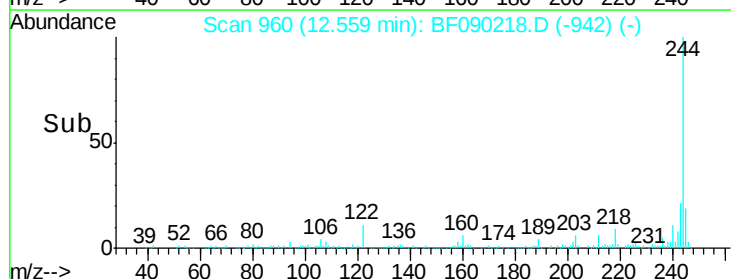
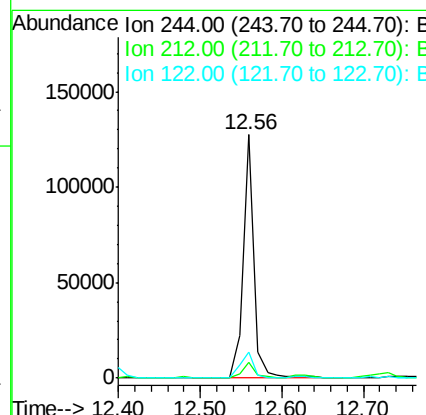
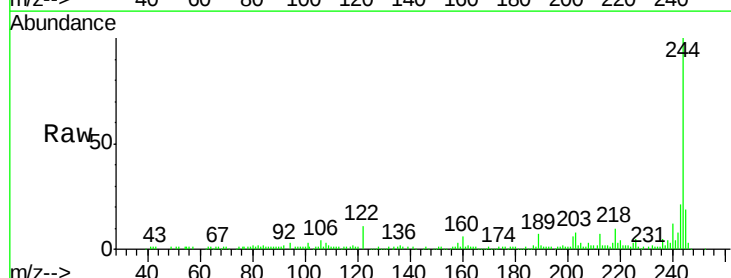
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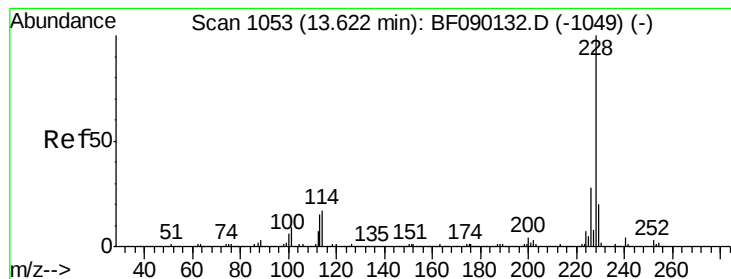
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#78
Terphenyl-d14
Concen: 8.13 ng
RT: 12.56 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	10.6	9.4	14.0





#80

Benzo(a)anthracene

Concen: 20.89 ng

RT: 13.59 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

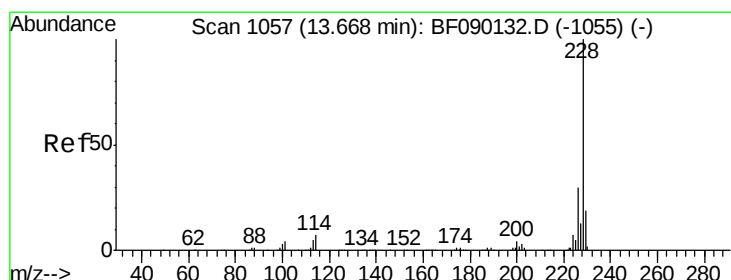
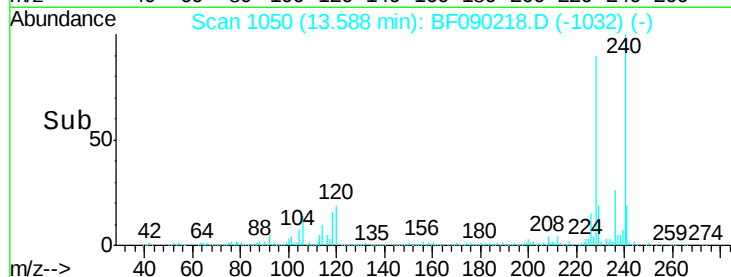
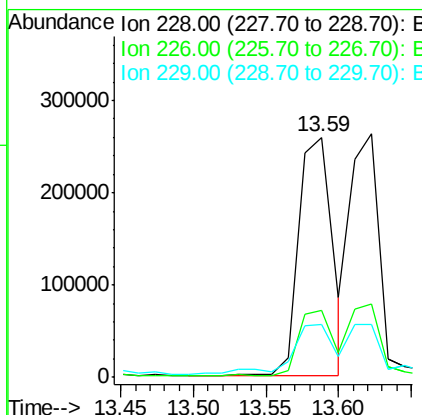
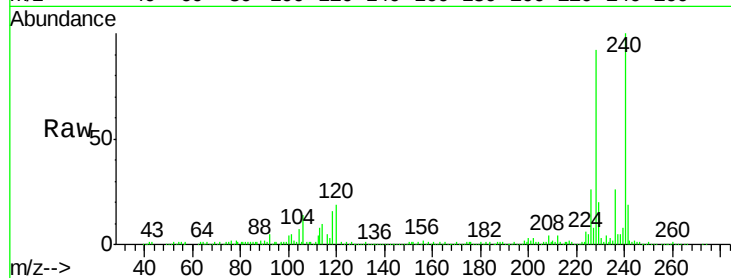
ClientSampleId :

TRACK-D-GRID-18ADL

Tot Ion:	228	Resp:	420833
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.0	33.0
229	22.1	16.2	24.2

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#82

Chrysene

Concen: 19.07 ng m

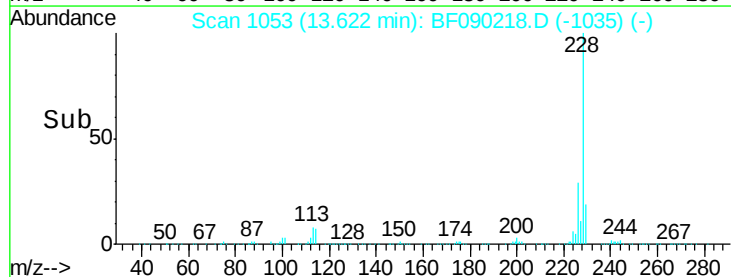
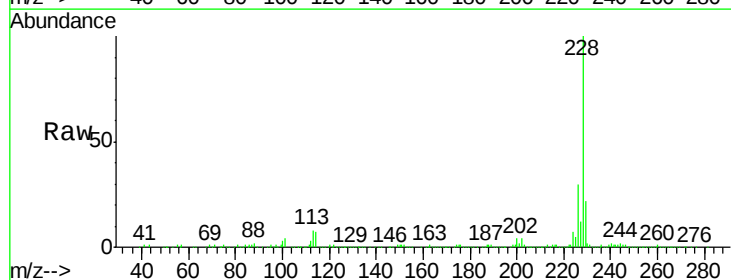
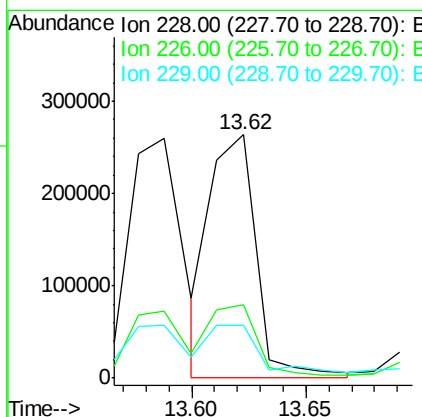
RT: 13.62 min Scan# 1053

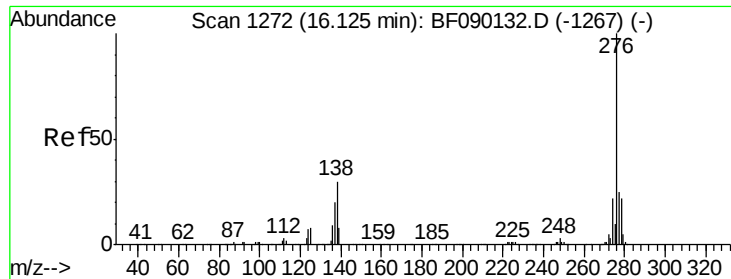
Delta R.T. 0.00 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Tgt Ion:	228	Resp:	374101
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.6	37.0
229	21.7	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.14 ng

RT: 16.06 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

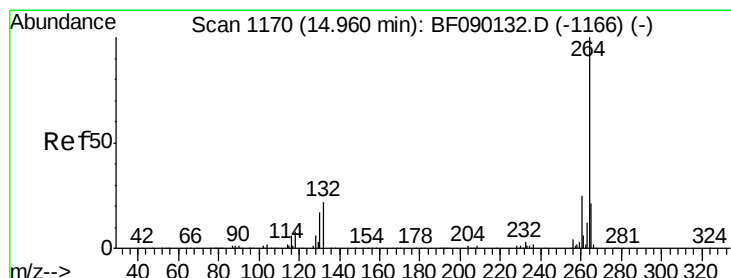
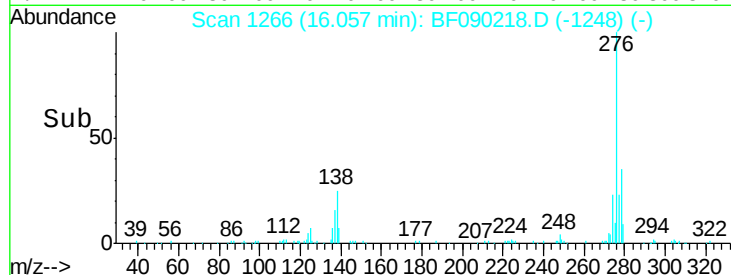
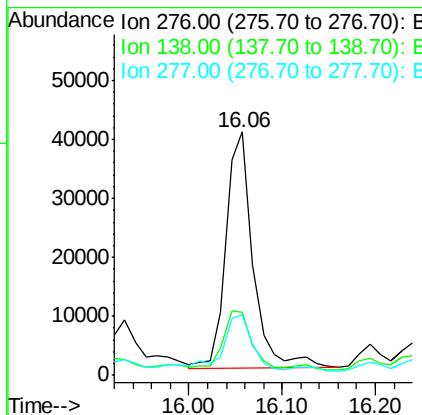
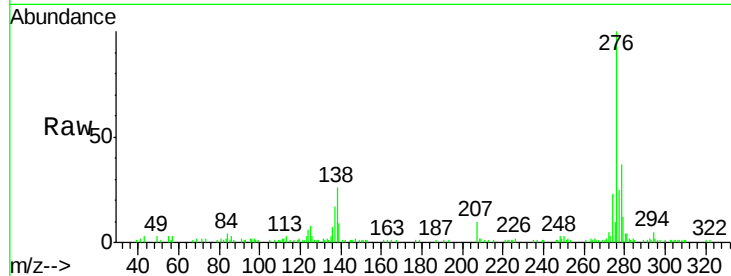
ClientSampleId :

TRACK-D-GRID-18ADL

Tot Ion:	276	Resp:	81604
Ion Ratio	Lower	Upper	
276	100		
138	26.6	25.9	38.9
277	28.1	19.9	29.9

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#86

Perylene-d12

Concen: 20.00 ng

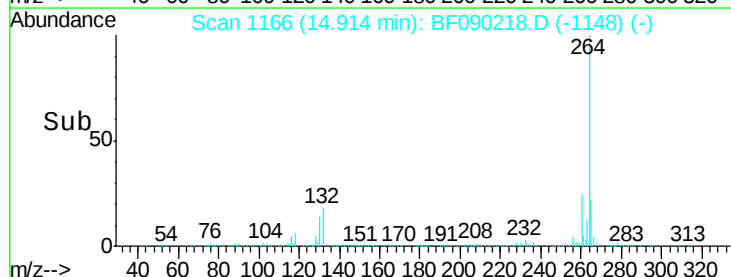
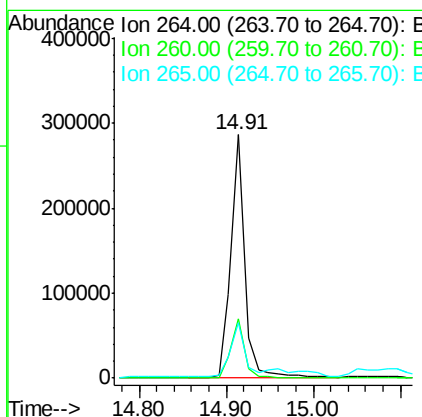
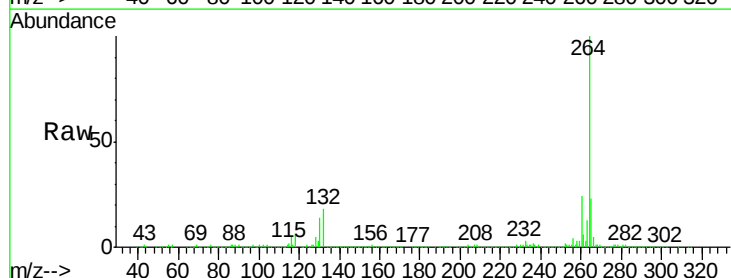
RT: 14.91 min Scan# 1166

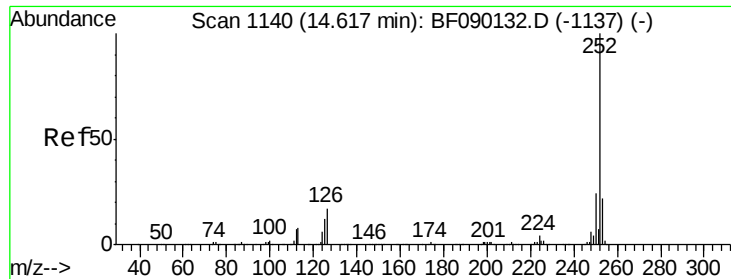
Delta R.T. 0.00 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Tgt Ion:	264	Resp:	318776
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	22.6	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 10.98 ng m

RT: 14.57 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

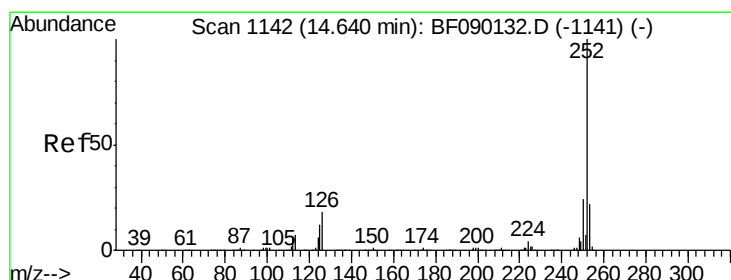
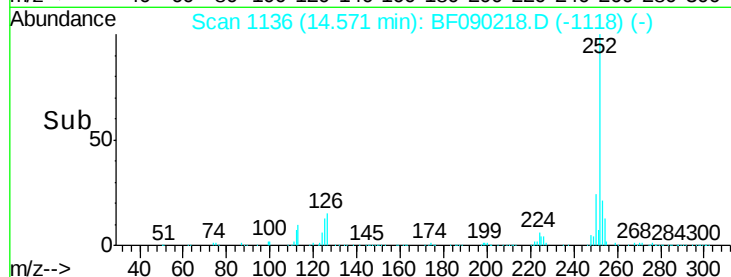
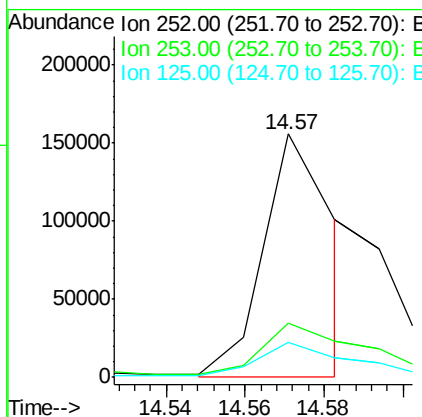
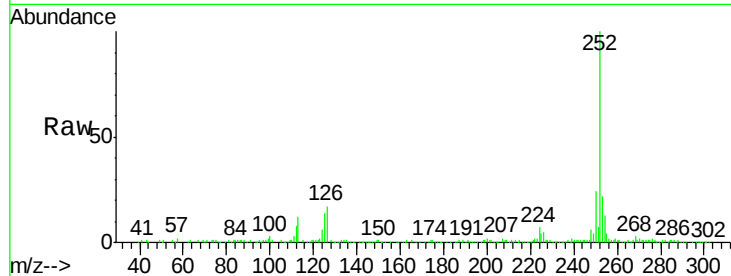
ClientSampleId :

TRACK-D-GRID-18ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	14.2	12.7	19.1

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.73 ng m

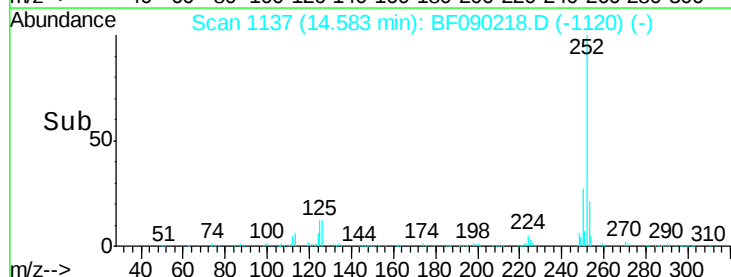
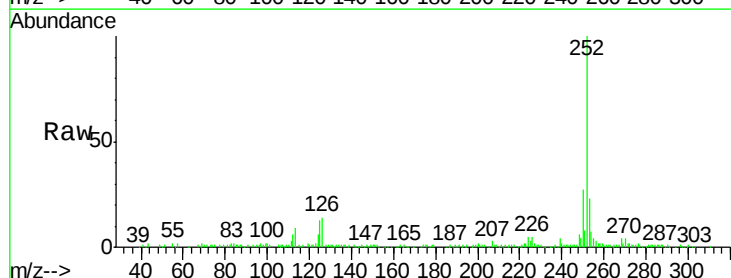
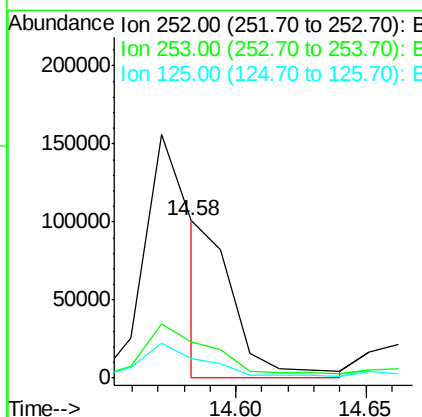
RT: 14.58 min Scan# 1137

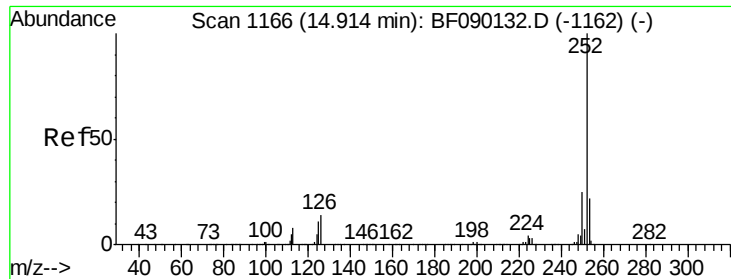
Delta R.T. -0.01 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.5	7.8	11.6#





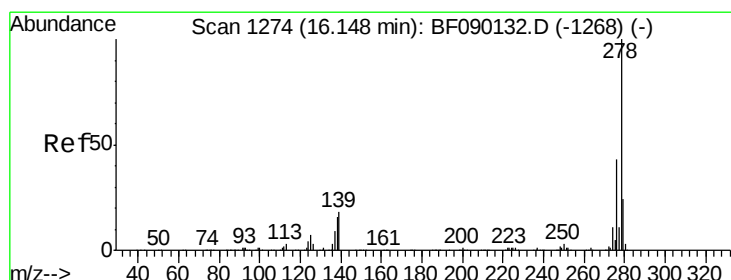
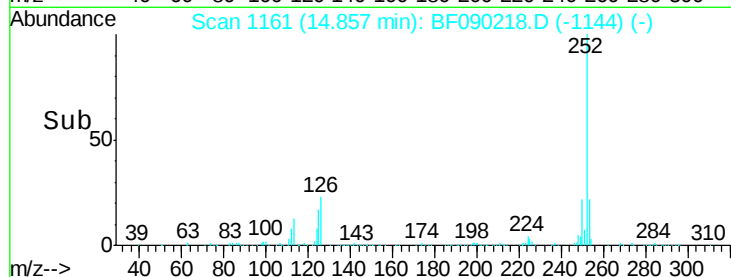
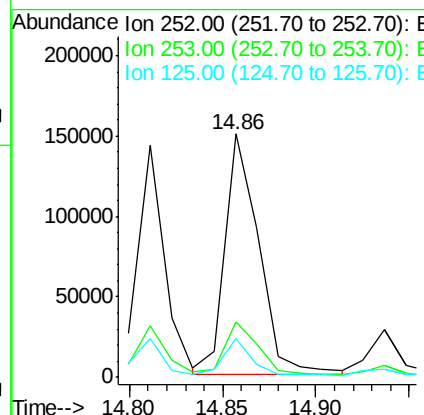
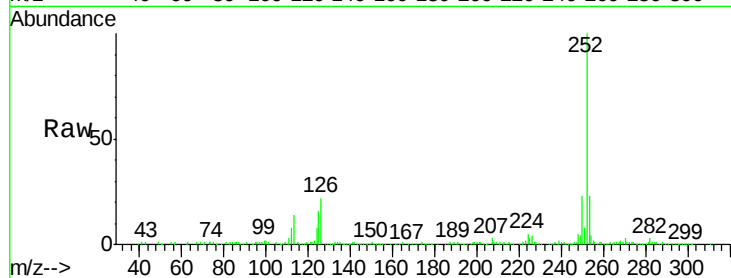
#89
Benzo(a)pyrene
Concen: 11.41 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	16.2	7.7	11.5

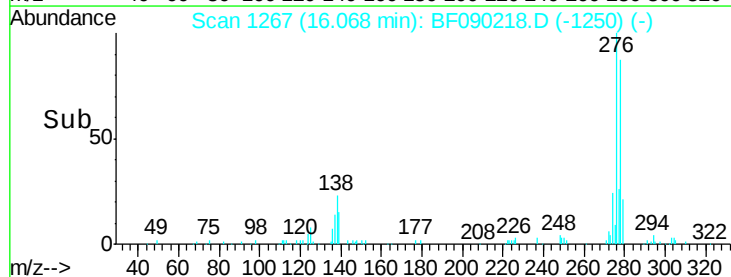
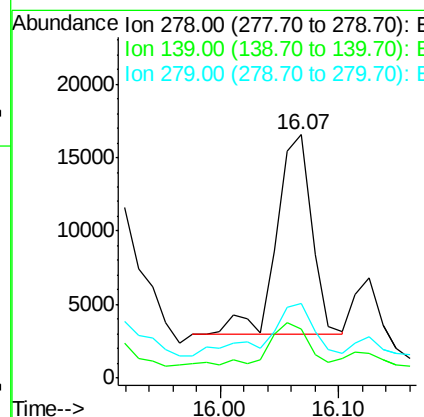
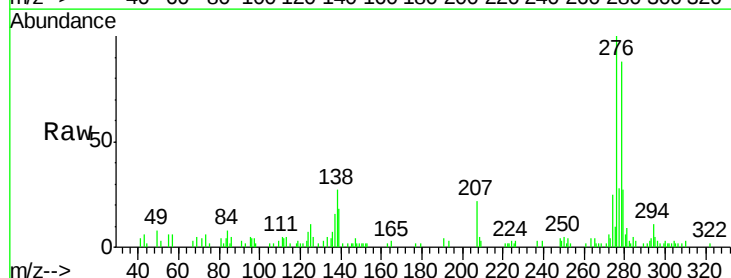
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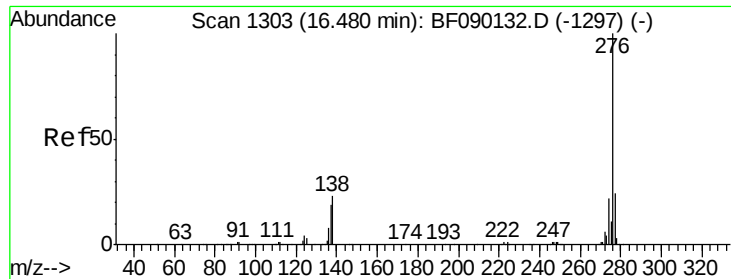
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#90
Dibenzo(a,h)anthracene
Concen: 2.16 ng
RT: 16.07 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	14.6	21.8
279	30.5	18.8	28.2





#91
 Benzo(a,h,i)perylene
 Concen: 7.38 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18ADL

Tot Ion:	276	Resp:	93536
Ion Ratio		Lower	Upper
276	100		
277	23.8	18.9	28.3
138	25.8	23.3	34.9

Manual Integrations
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