

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090039.D
 Acq On : 8 Sep 2016 22:11
 Operator : UM/SJ
 Sample : H4704-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
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Sohil
 9/9/2016 8:39:54 AM

Quant Time: Sep 09 05:50:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	191424	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	787500	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	374481	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	621908	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	471921	20.00	ng	-0.01
86) Perylene-d12	15.05	264	380442	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1683686	140.79	ng	0.02
7) Phenol-d6	6.25	99	1843216	126.84	ng	0.00
23) Nitrobenzene-d5	7.16	82	1200363	88.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	446768	120.93	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	1942839	85.16	ng	0.00
78) Terphenyl-d14	12.69	244	1273956	66.69	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.26	94	49657	2.94	ng	83
49) Dimethylphthalate	9.36	163	803499	29.69	ng	100
70) Phenanthrene	11.12	178	301997	9.75	ng	97
71) Anthracene	11.18	178	92079	2.93	ng	99
73) Di-n-butylphthalate	11.68	149	88391	2.57	ng	# 97
74) Fluoranthene	12.30	202	522755	16.11	ng	96
77) Pyrene	12.53	202	457902	13.76	ng	99
80) Benzo(a)anthracene	13.70	228	268751	9.30	ng	99
82) Chrysene	13.74	228	202787m	7.51	ng	
85) Indeno(1,2,3-cd)pyrene	16.26	276	95117	4.77	ng	92
87) Benzo(b)fluoranthene	14.70	252	230614m	9.68	ng	
88) Benzo(k)fluoranthene	14.71	252	107280m	5.30	ng	
89) Benzo(a)pyrene	15.01	252	179795	8.81	ng	97
91) Benzo(g,h,i)perylene	16.62	276	84653	5.62	ng	# 91

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

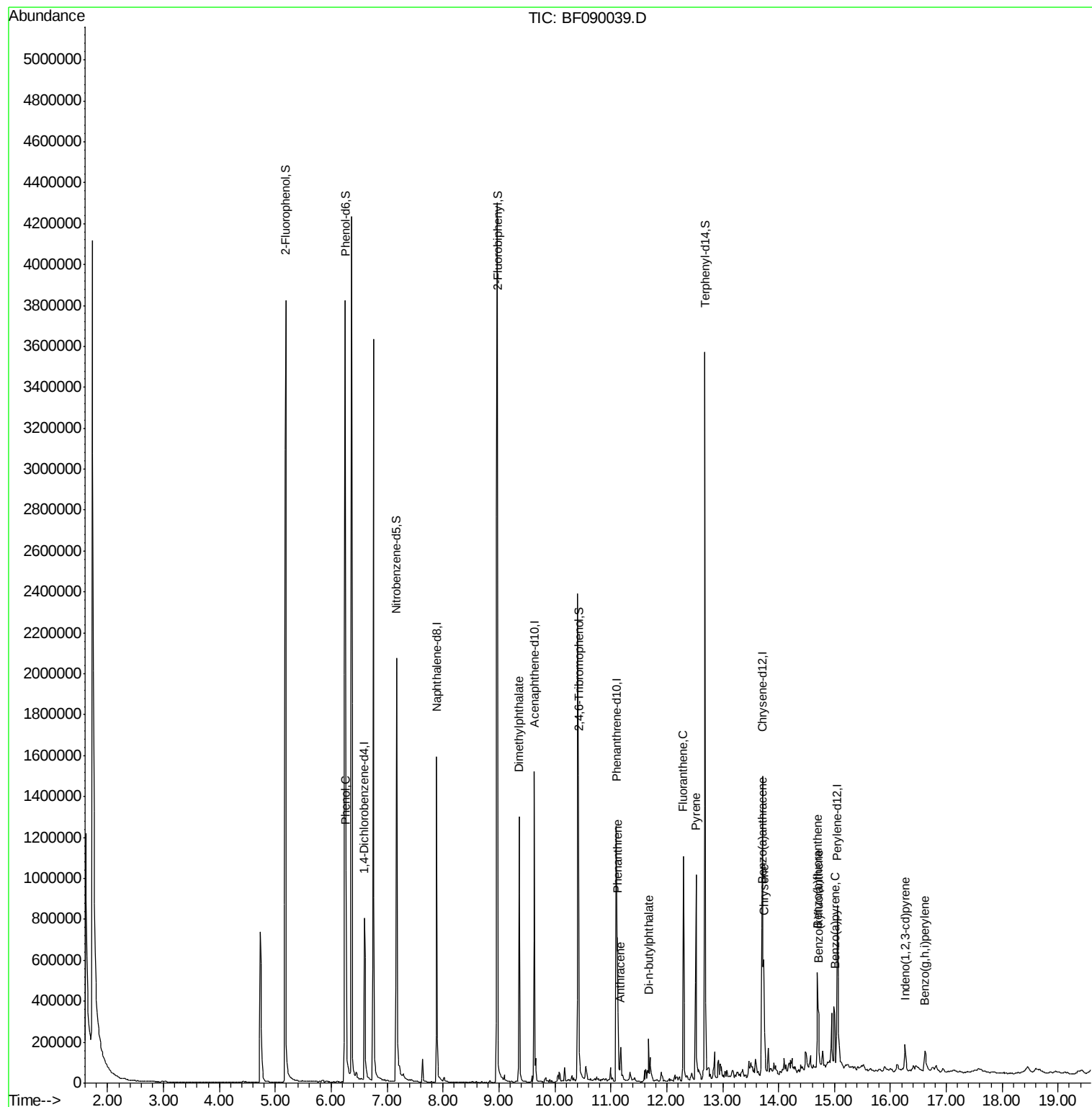
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090039.D
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ALS Vial : 18 Sample Multiplier: 1

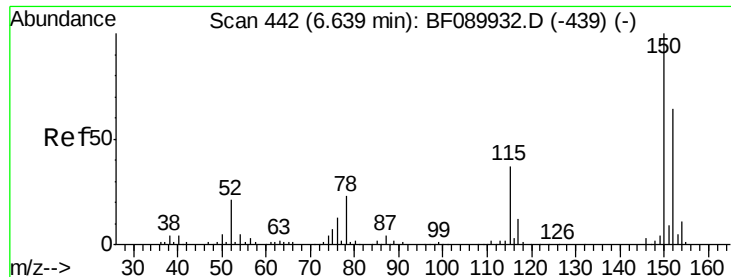
Instrument :
BNA_F
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#1

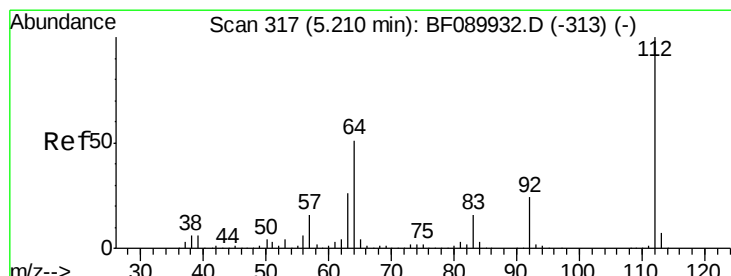
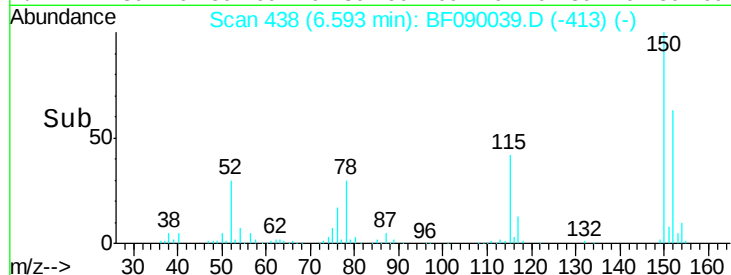
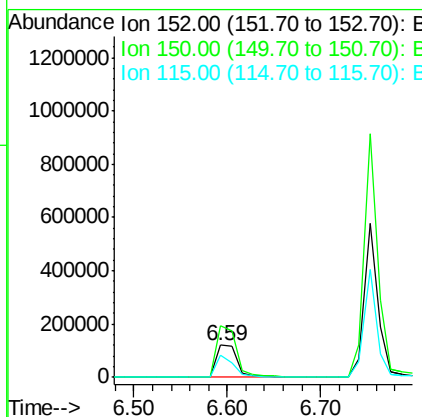
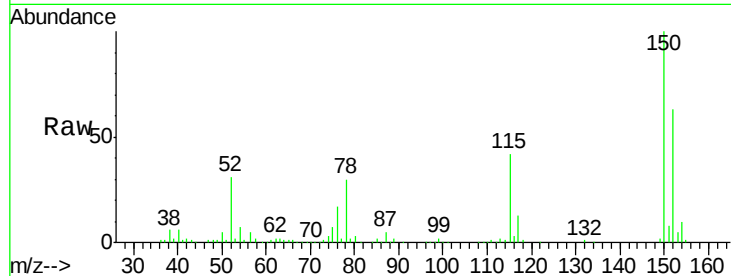
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.4	191.2
115	67.4	46.3	69.5

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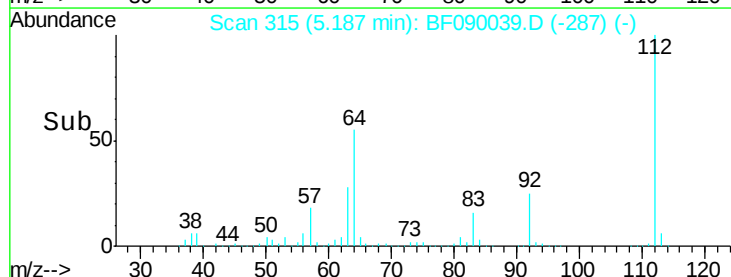
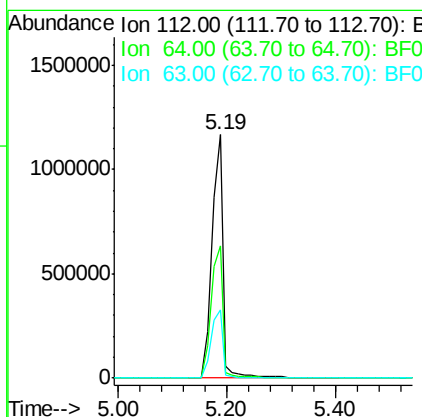
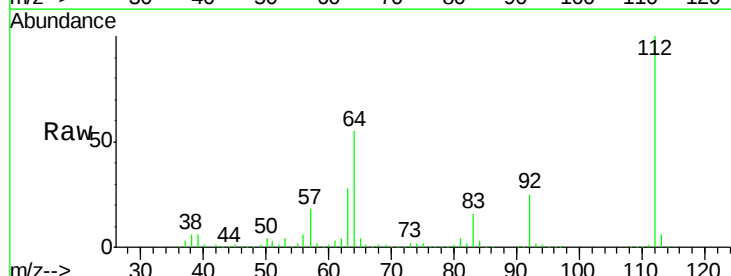
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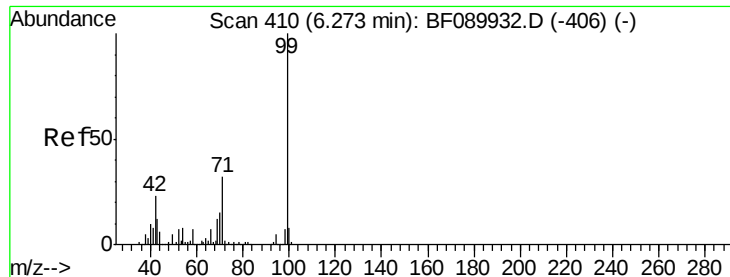


#5

2-Fluorophenol
Concen: 140.79 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.02 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	41.1	61.7
63	28.2	21.2	31.8





#7

Phenol-d6

Concen: 126.84 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion: 99 Resp: 1843216

Ion Ratio Lower Upper

99 100

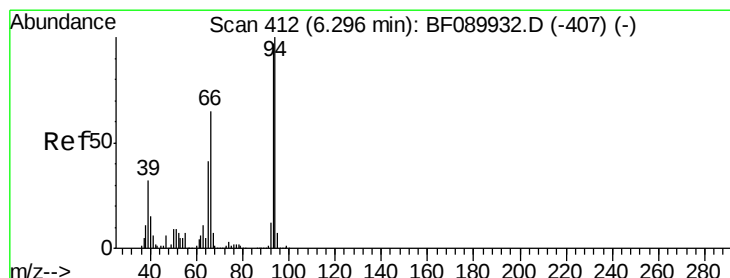
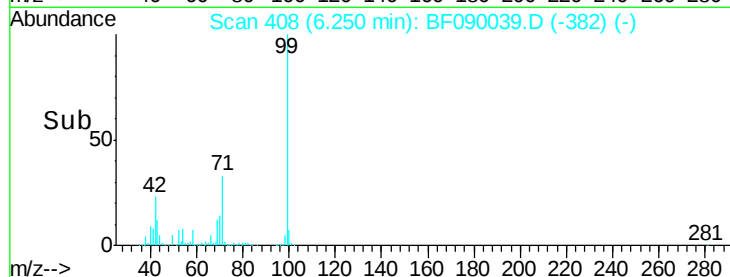
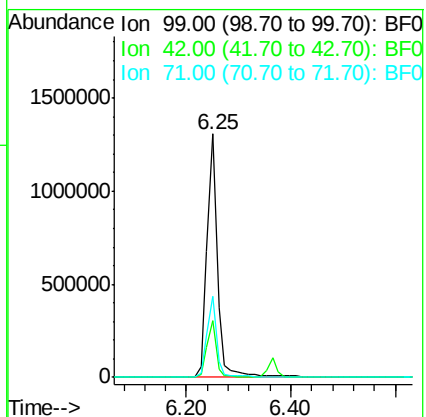
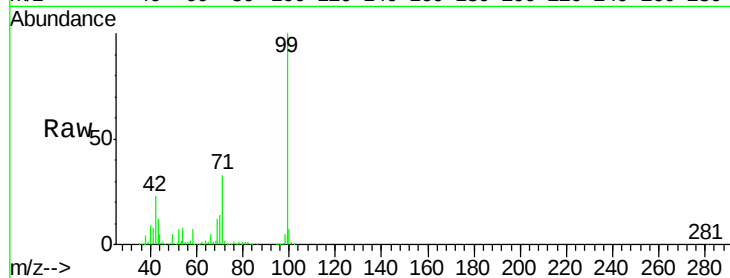
42 23.1 18.6 27.8

71 33.1 25.8 38.6

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#10

Phenol

Concen: 2.94 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

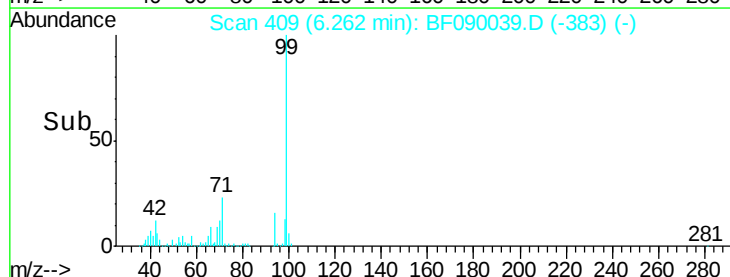
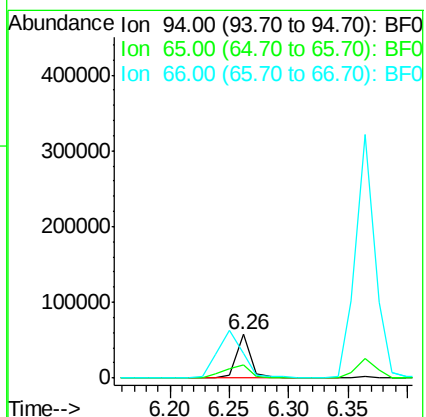
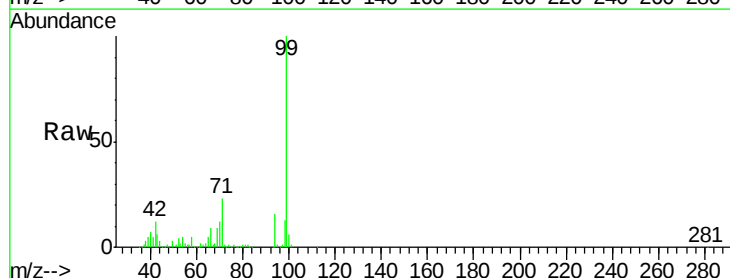
Tgt Ion: 94 Resp: 49657

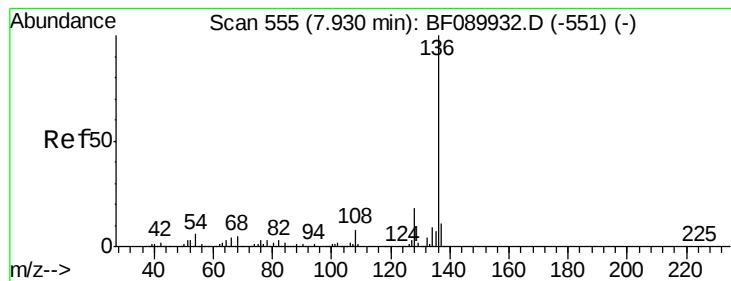
Ion Ratio Lower Upper

94 100

65 31.6 23.2 63.2

66 55.4 49.2 89.2





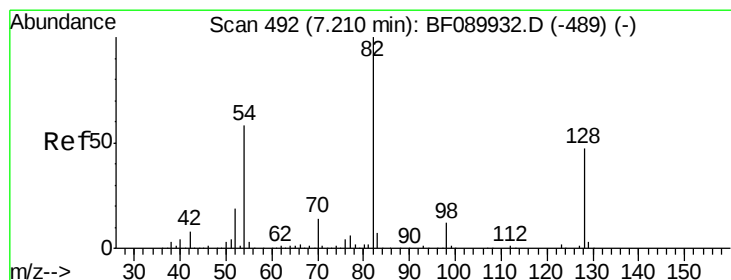
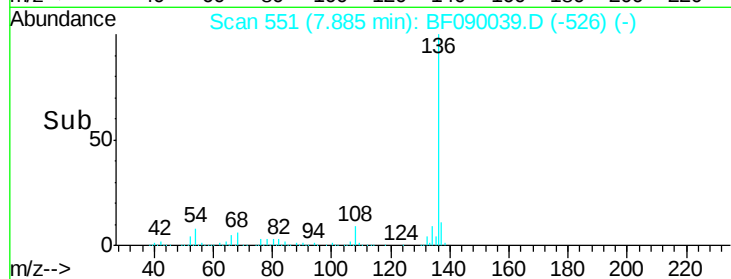
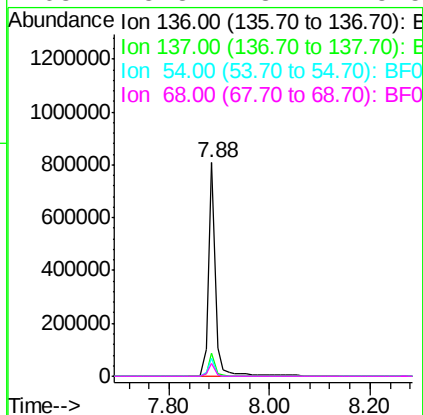
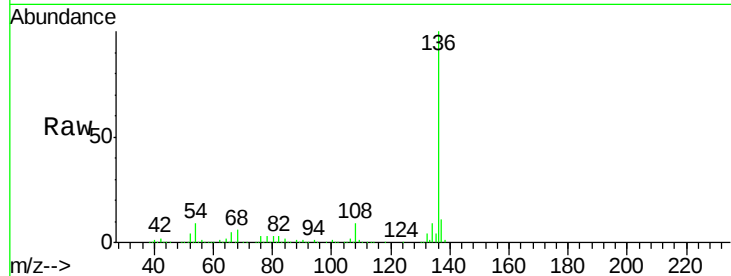
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	787500		
137	10.8	8.3	12.5	
54	8.5	4.8	7.2#	
68	5.8	3.7	5.5#	

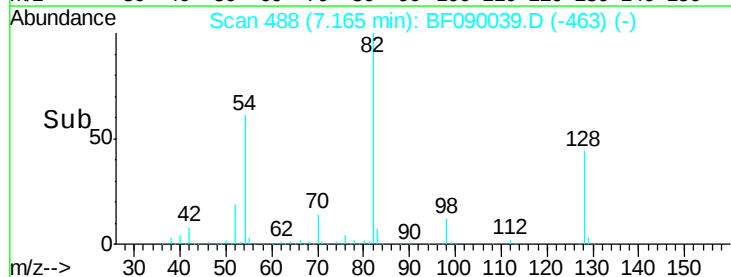
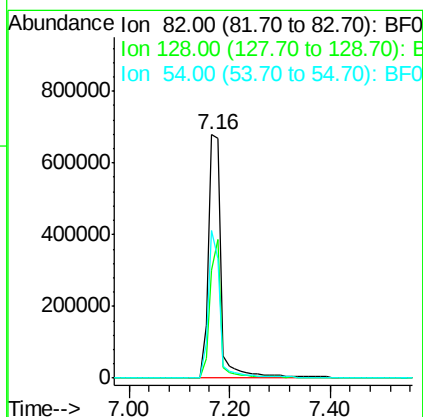
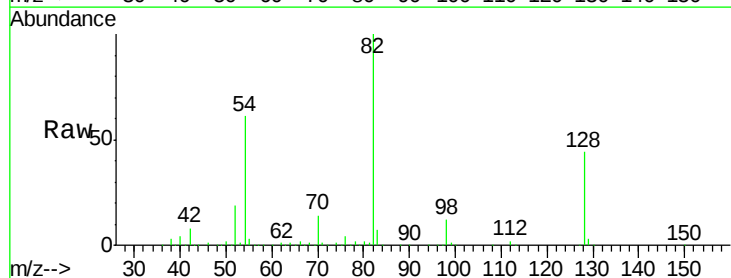
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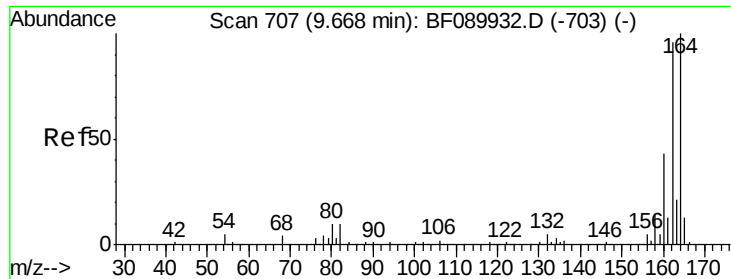
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#23
Nitrobenzene-d5
Concen: 88.40 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1200363		
128	44.1	37.8	56.8	
54	60.8	46.9	70.3	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:164 Resp: 374481

Ion Ratio Lower Upper

164 100

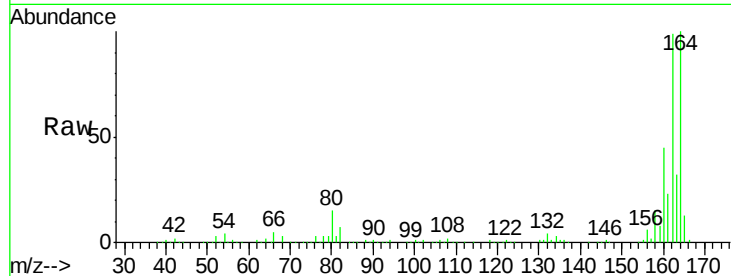
162 98.8 77.1 115.7

160 44.9 35.3 52.9

Manual Integrations
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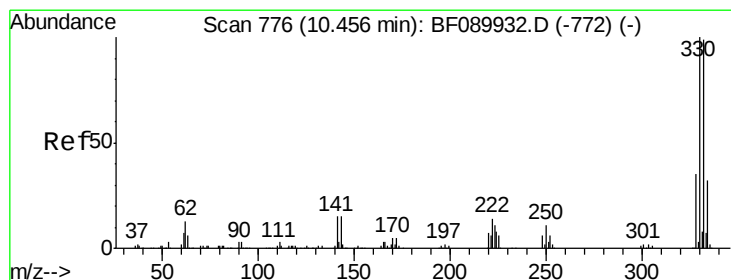
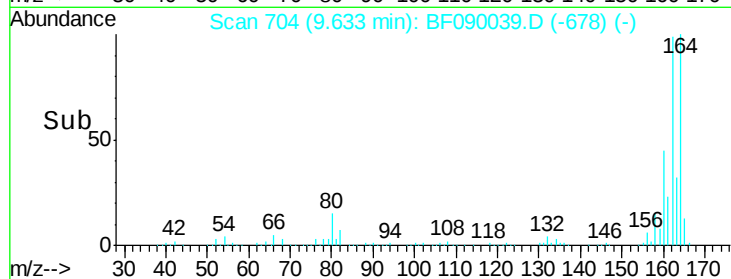
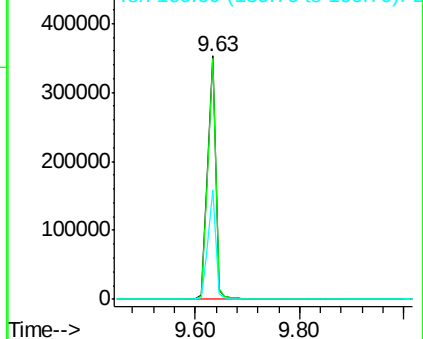
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 120.93 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

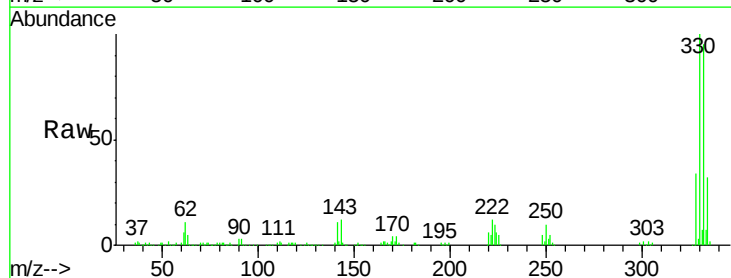
Tgt Ion:330 Resp: 446768

Ion Ratio Lower Upper

330 100

332 96.4 78.6 117.8

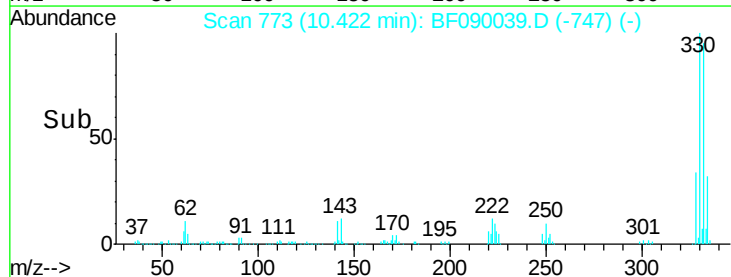
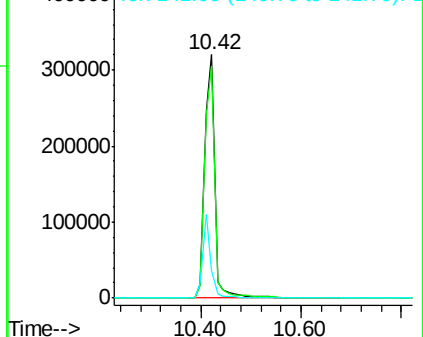
141 27.8 23.3 34.9

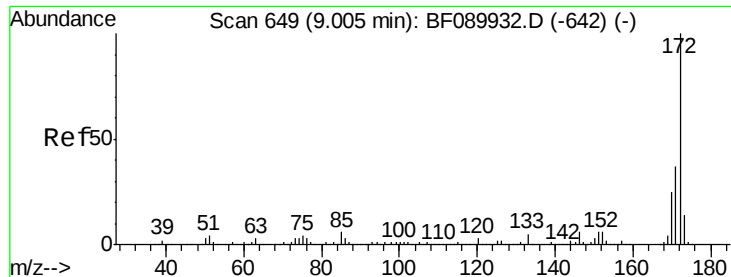


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

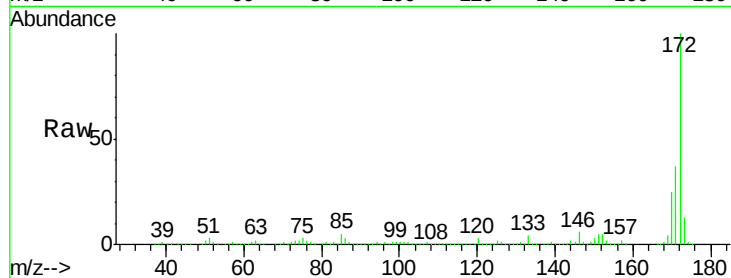
Ion 141.00 (140.70 to 141.70): E





#44
2-Fluorobiphenyl
Concen: 85.16 ng
RT: 8.97 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

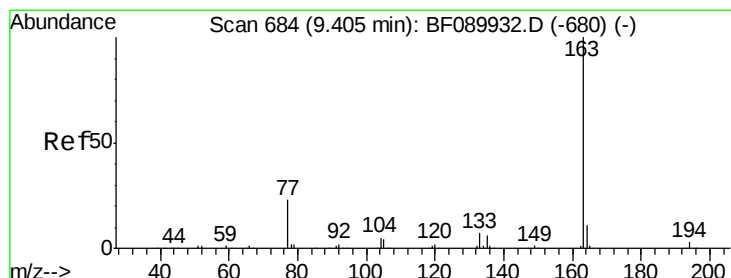
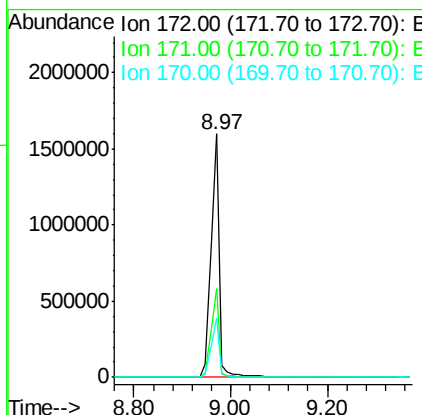
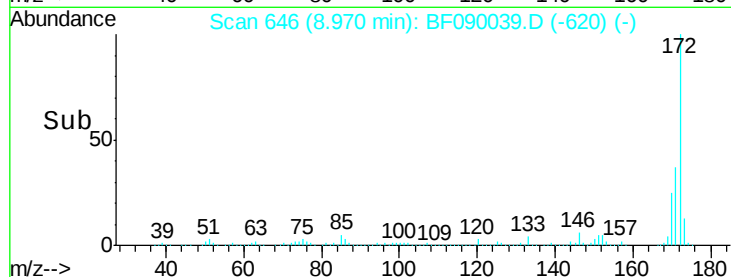
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:172 Resp: 1942839
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.2
170 24.6 20.1 30.1

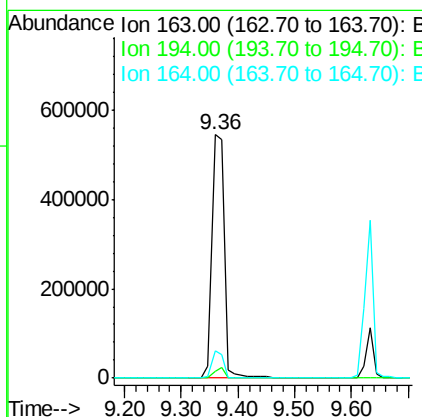
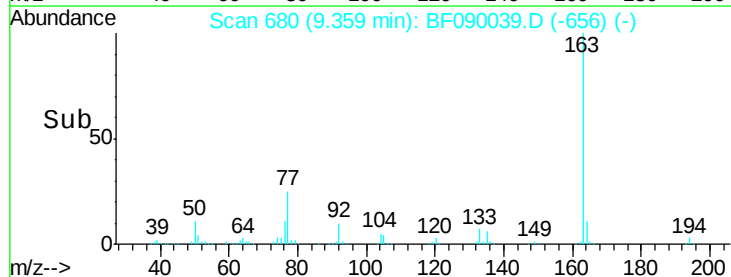
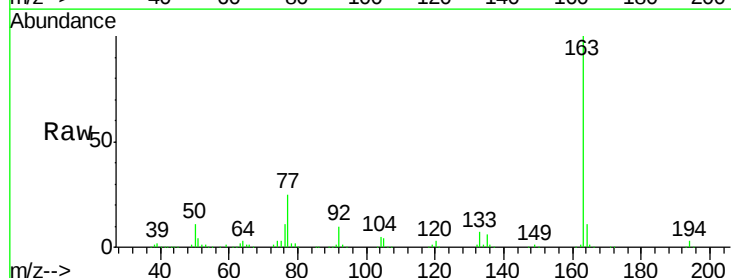
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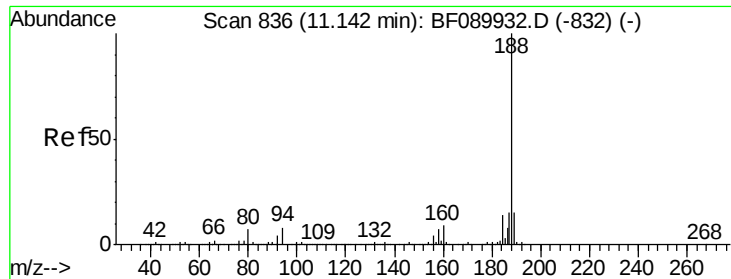
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#49
Dimethylphthalate
Concen: 29.69 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion:163 Resp: 803499
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 11.3 9.0 13.4





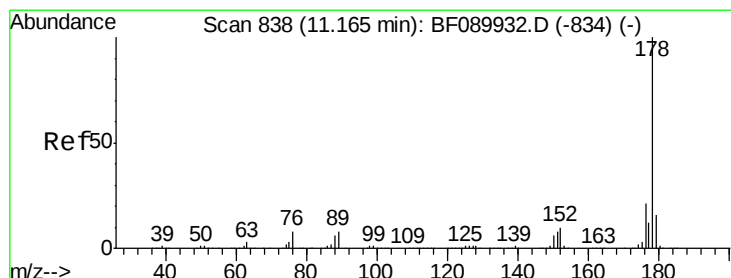
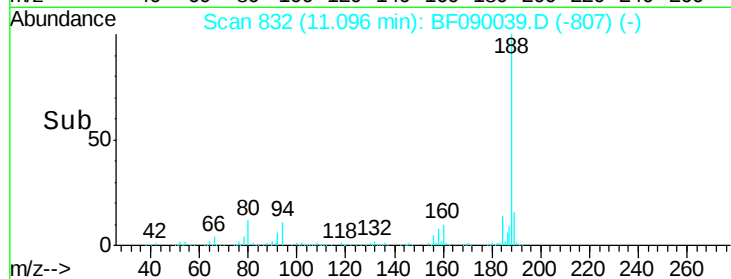
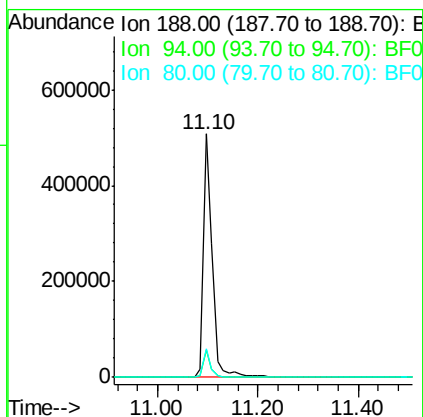
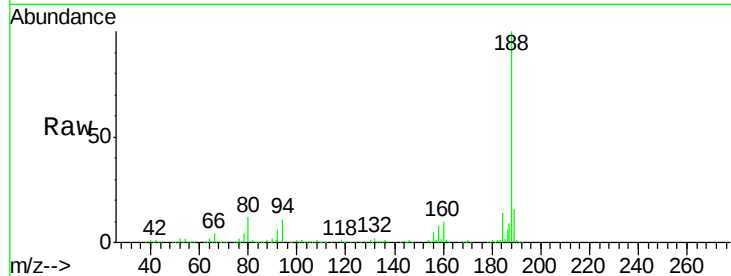
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.3	5.9	8.9#
80	11.9	5.8	8.8#

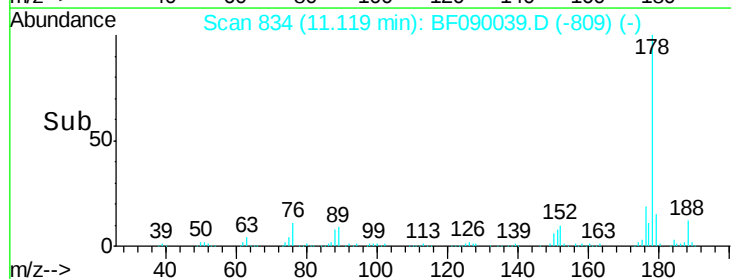
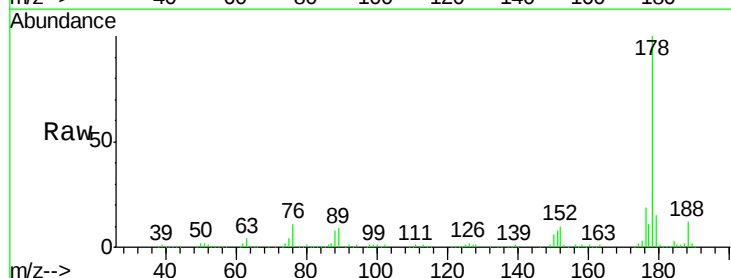
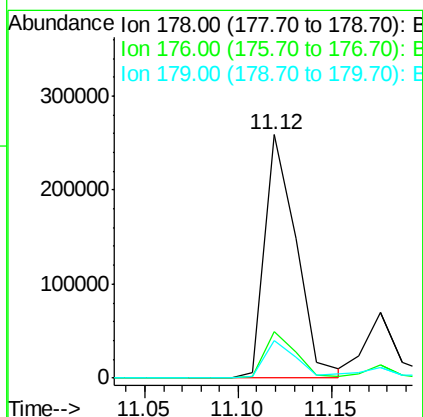
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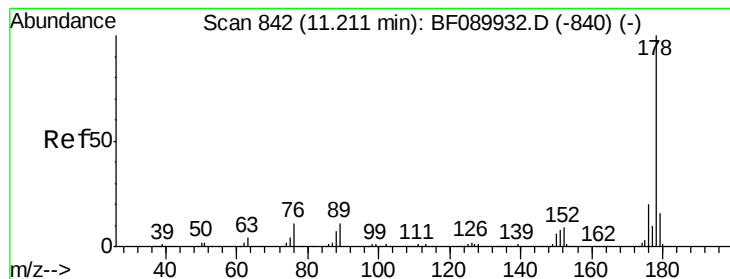
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#70
Phenanthrene
Concen: 9.75 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	16.5	24.7
179	15.3	12.8	19.2





#71

Anthracene

Concen: 2.93 ng

RT: 11.18 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF090039.D

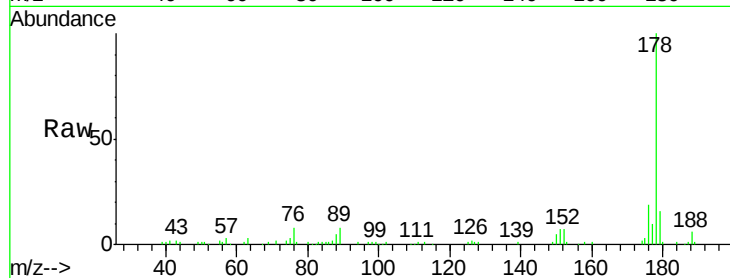
Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

COMP-2



Tgt Ion:178 Resp: 92079

Ion Ratio Lower Upper

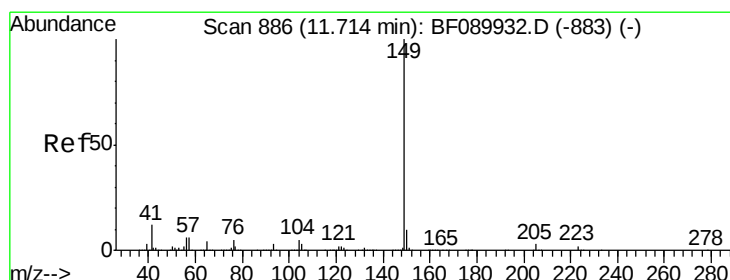
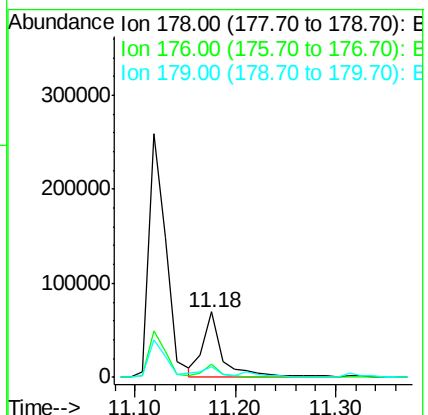
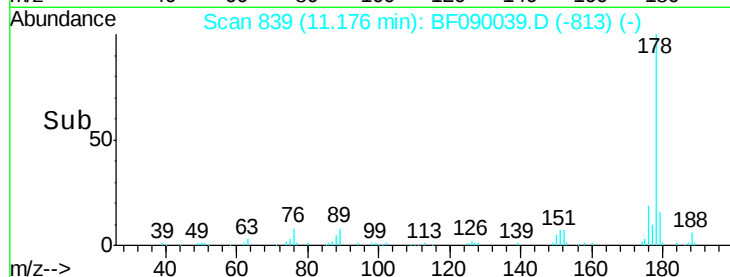
178 100

176 19.4 15.8 23.8

179 15.6 13.0 19.4

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 2.57 ng

RT: 11.68 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

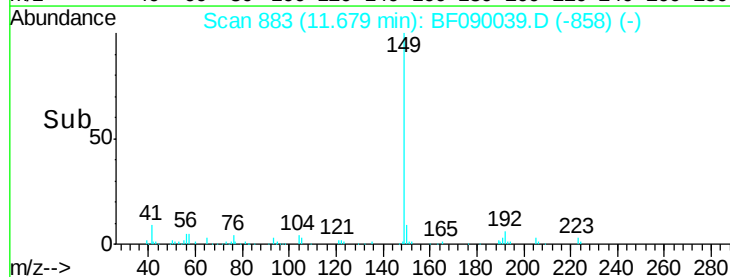
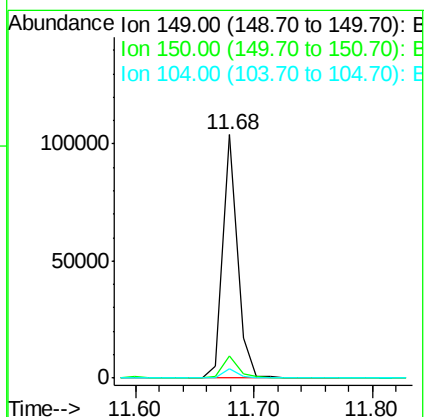
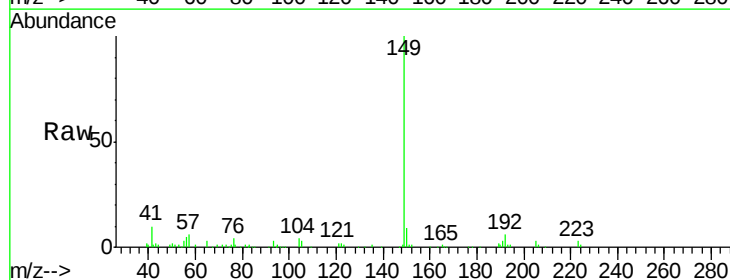
Tgt Ion:149 Resp: 88391

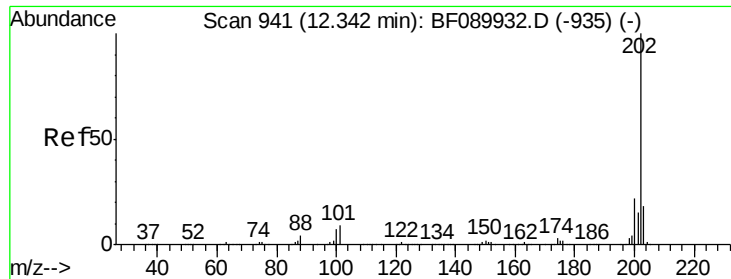
Ion Ratio Lower Upper

149 100

150 8.9 7.8 11.8

104 3.9 3.9 5.9#





#74

Fluoranthene

Concen: 16.11 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

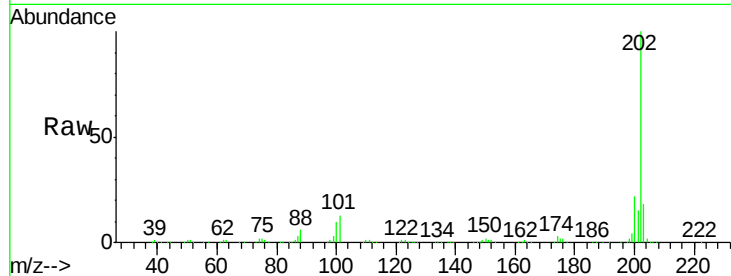
ClientSampleId :

COMP-2

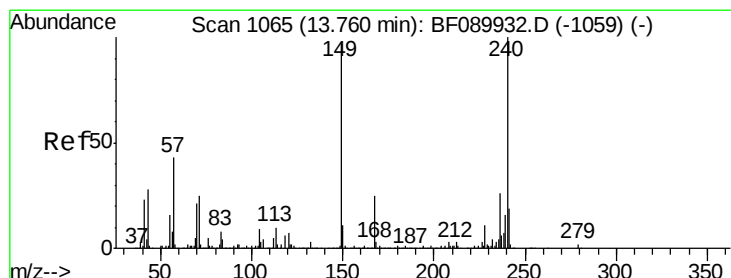
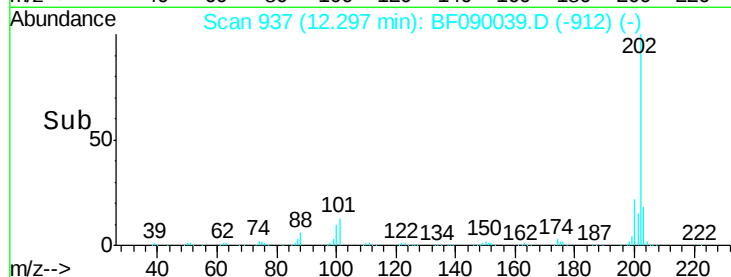
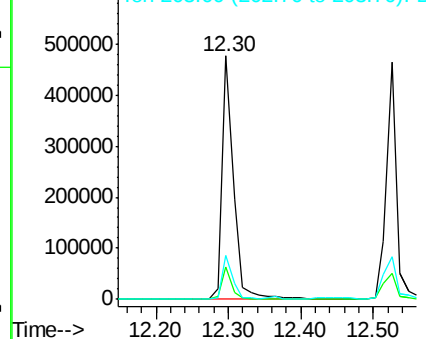
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		522755		
101	13.3	0.0	28.5		
203	18.0	0.0	38.0		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

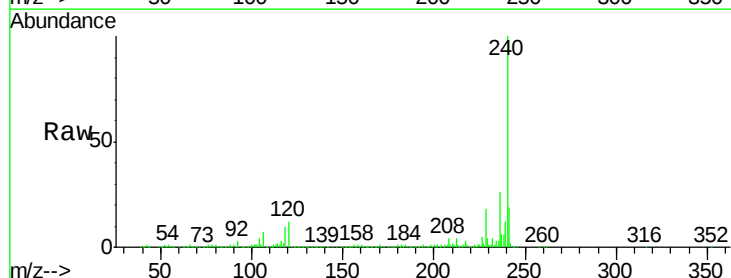
RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

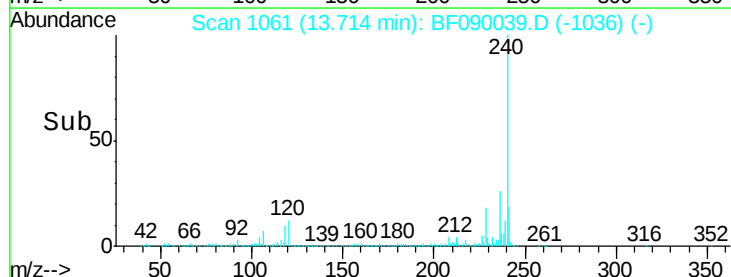
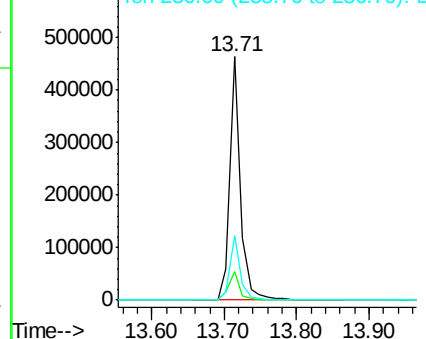
Lab File: BF090039.D

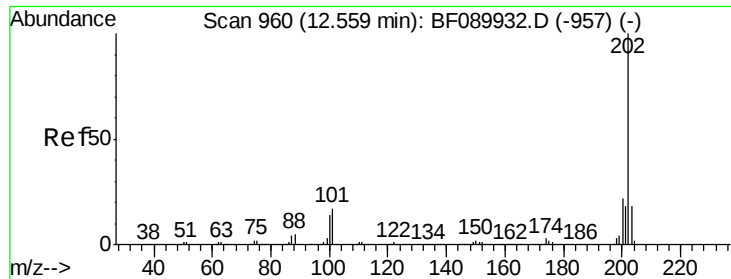
Acq: 8 Sep 2016 22:11

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		471921		
120	11.6	5.7	8.5#		
236	26.4	21.3	31.9		



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: 13.76 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

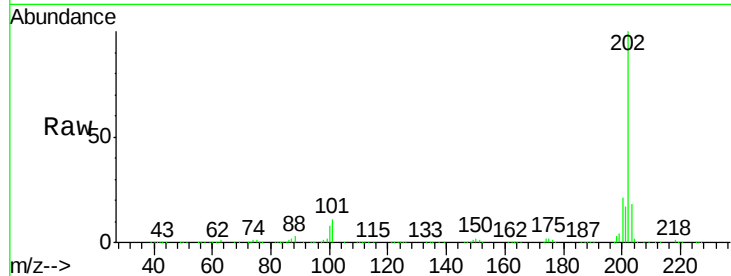
ClientSampleId :

COMP-2

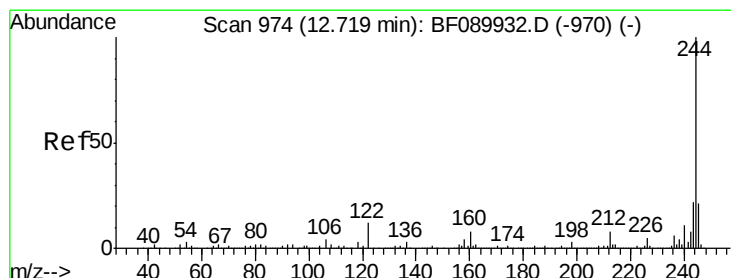
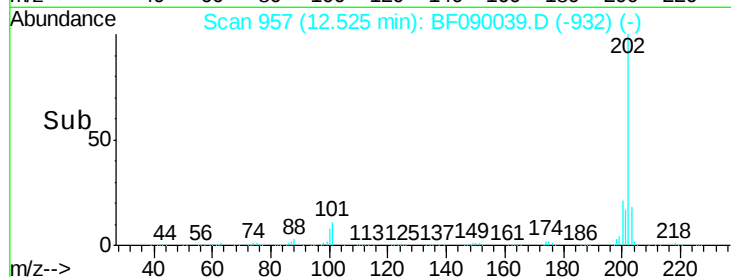
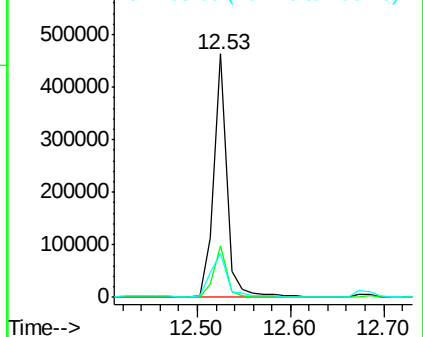
Tgt Ion:	202	Resp:	457902
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	17.8	14.6	21.8

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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: 66.69 ng

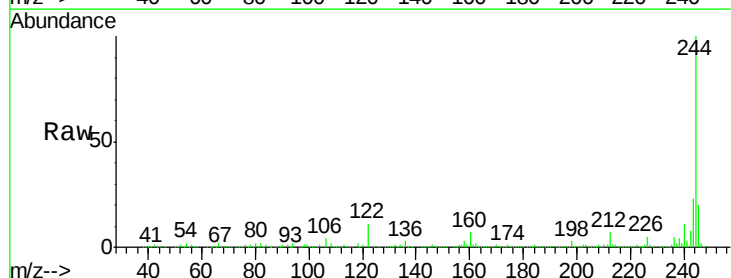
RT: 12.69 min Scan# 971

Delta R.T. 0.00 min

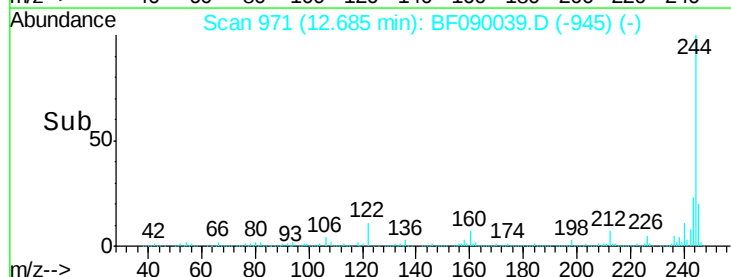
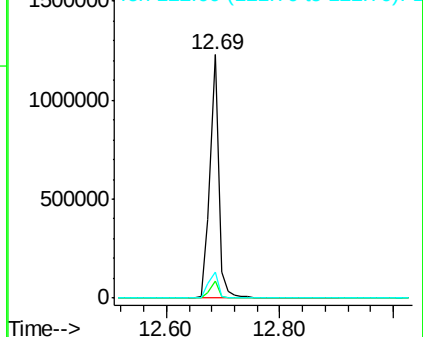
Lab File: BF090039.D

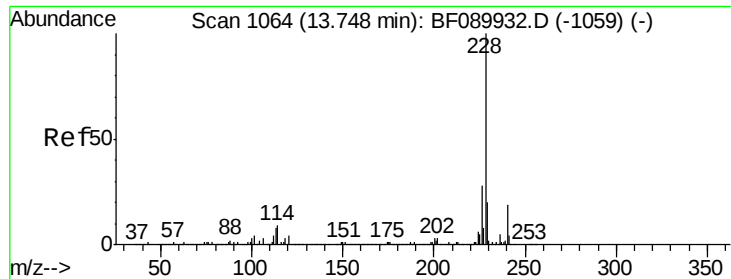
Acq: 8 Sep 2016 22:11

Tgt Ion:	244	Resp:	1273956
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.1	9.1
122	10.6	9.6	14.4



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





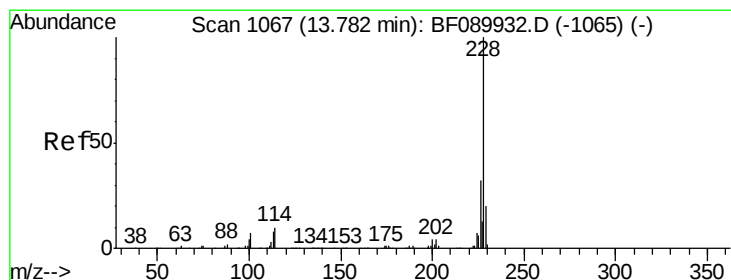
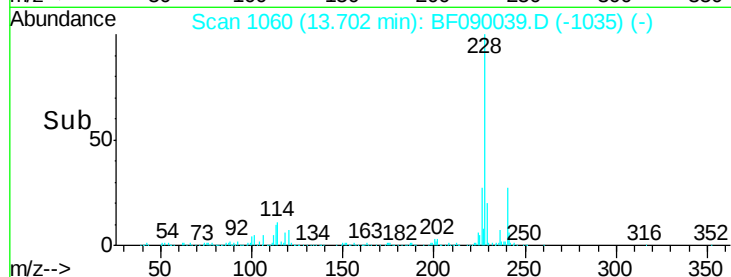
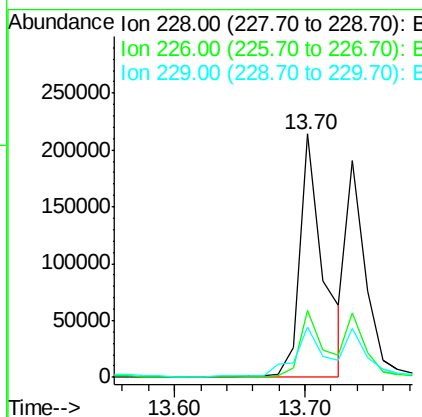
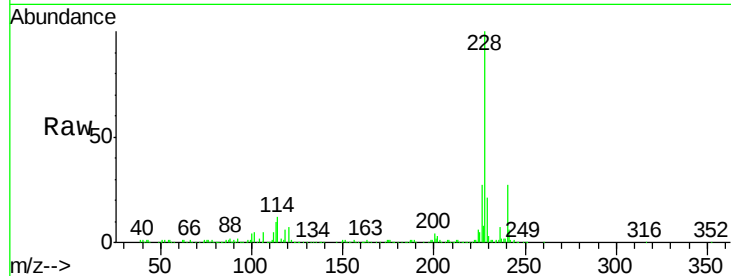
#80
Benzo(a)anthracene
Concen: 9.30 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Instrument :
BNA_F
ClientSampled :
COMP-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.2
229	20.7	15.8	23.6

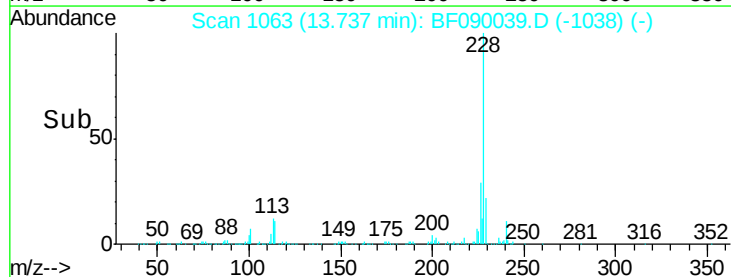
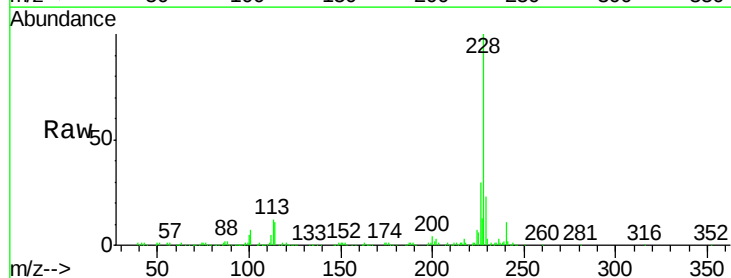
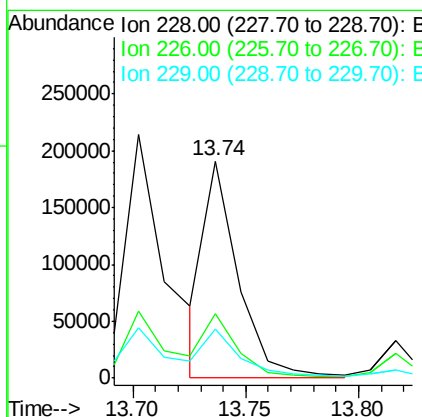
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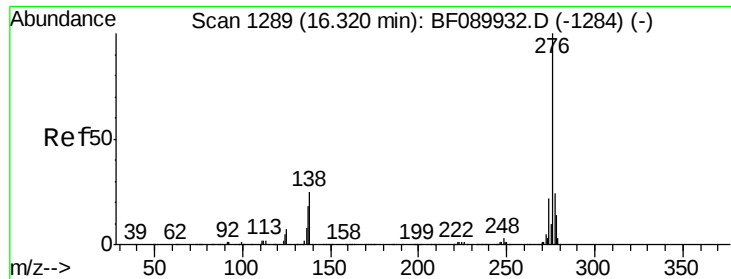
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#82
Chrysene
Concen: 7.51 ng m
RT: 13.74 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.2	37.8
229	22.6	16.2	24.2





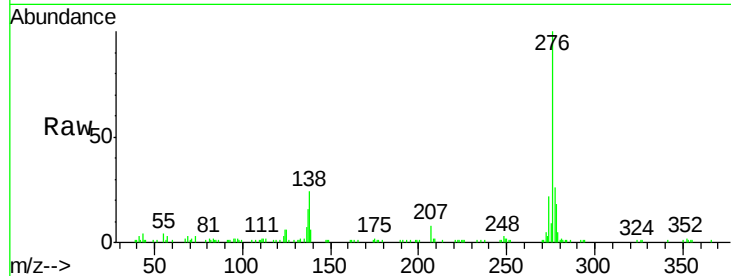
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.77 ng
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

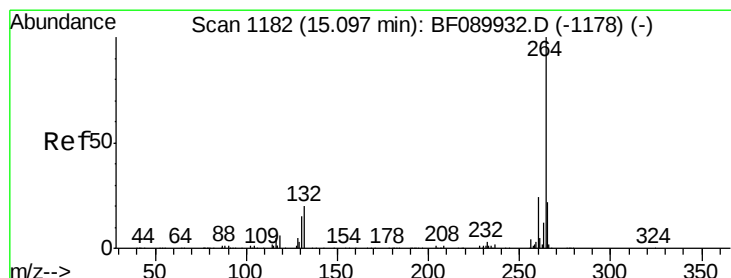
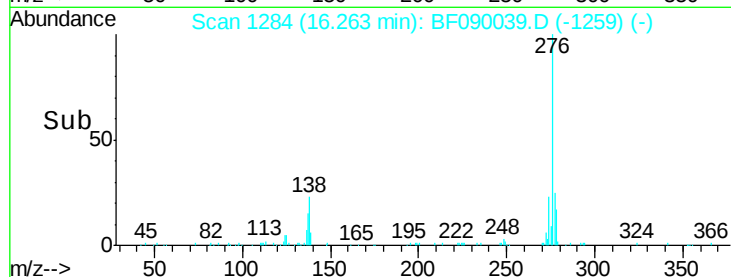
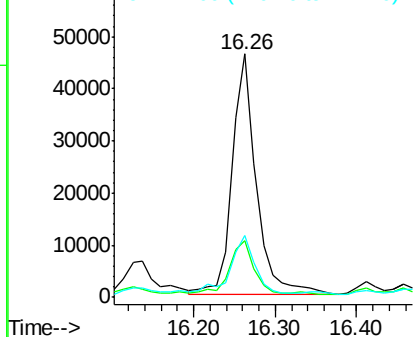
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	22.6	34.0
277	28.0	20.1	30.1

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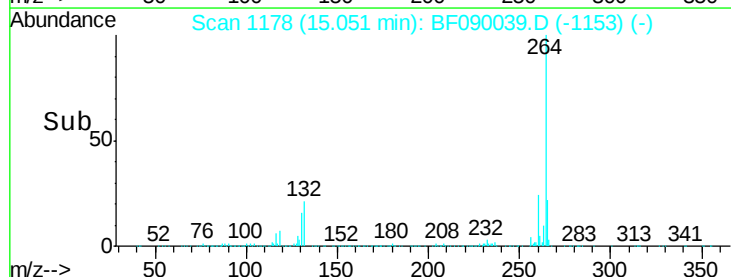
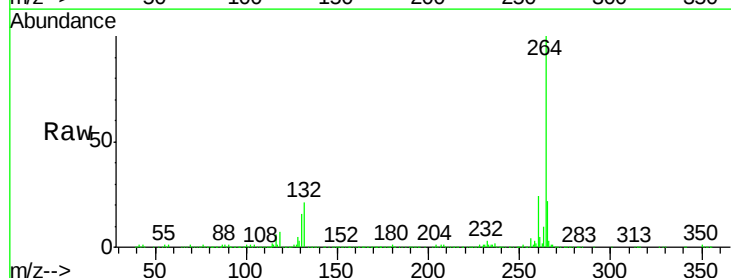
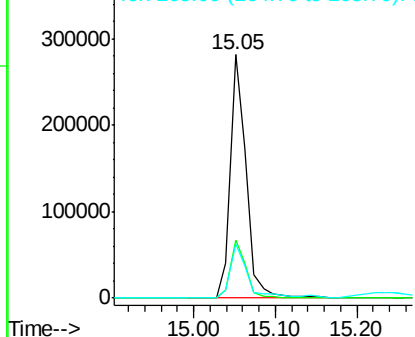
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

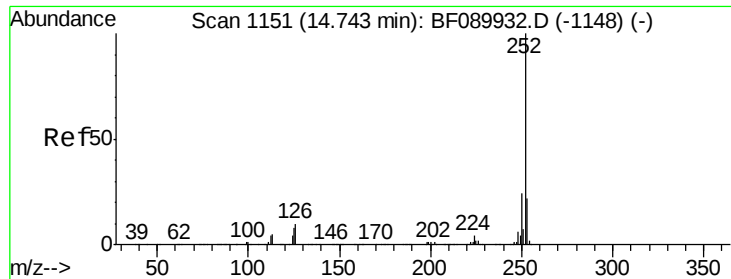


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	22.3	17.4	26.2

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: 9.68 ng m

RT: 14.70 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

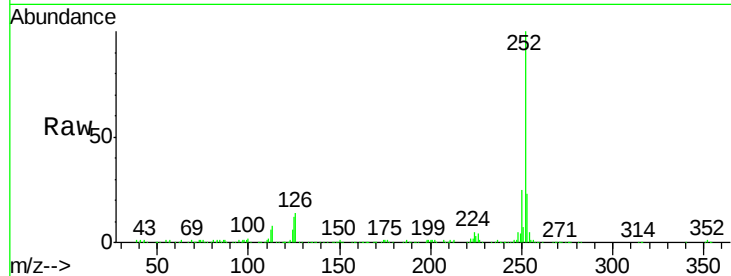
ClientSampled :

COMP-2

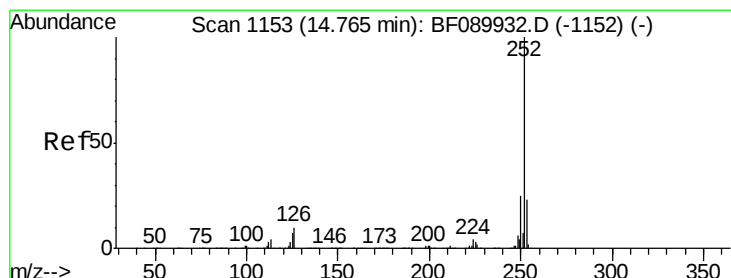
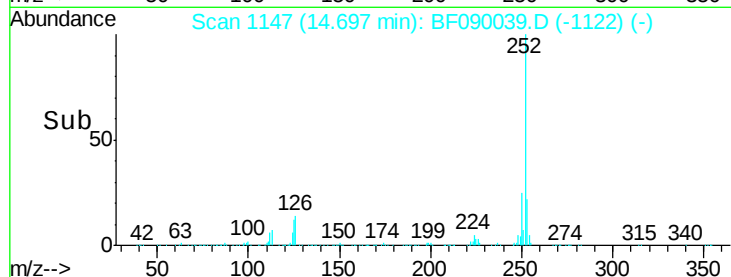
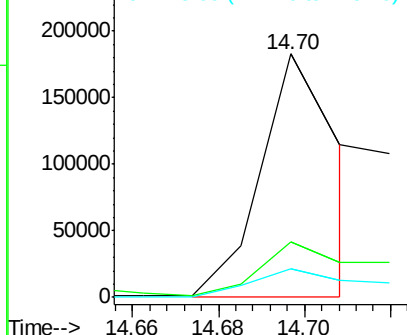
Tgt Ion:	252	Resp:	230614
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	11.8	5.7	8.5#

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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: 5.30 ng m

RT: 14.71 min Scan# 1148

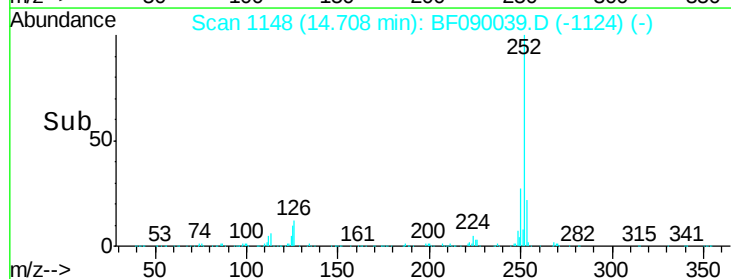
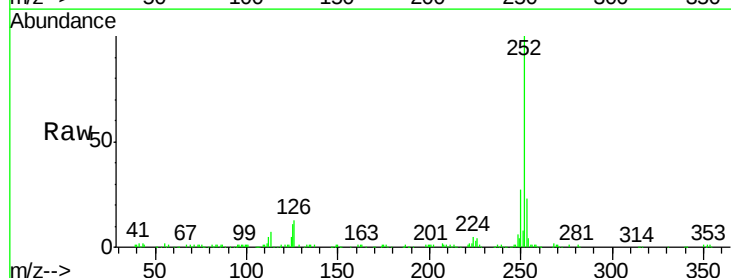
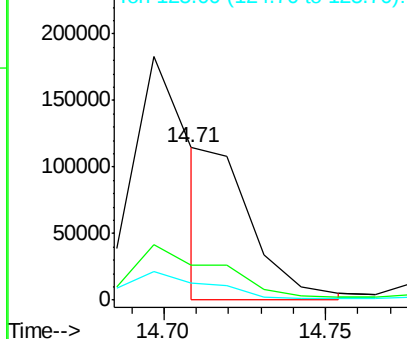
Delta R.T. -0.02 min

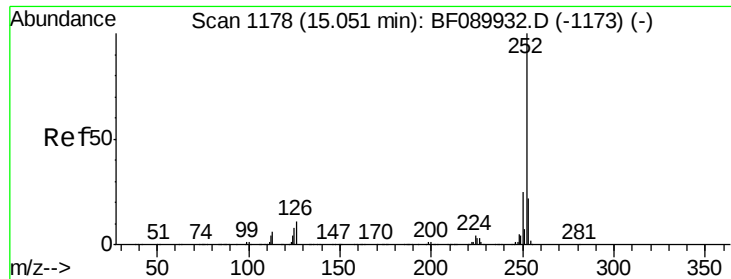
Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Tgt Ion:	252	Resp:	107280
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	10.8	7.3	10.9

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





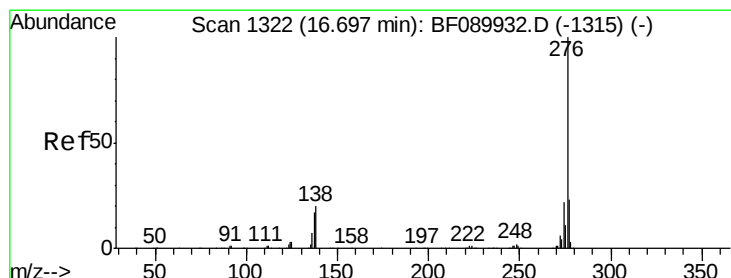
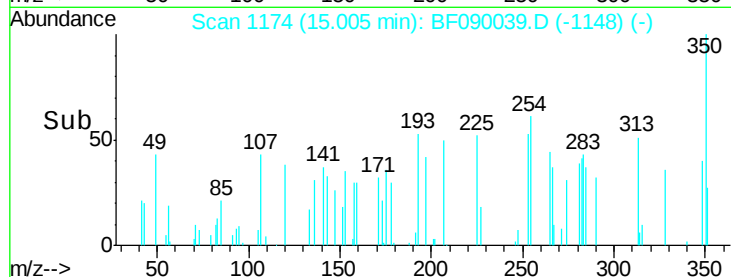
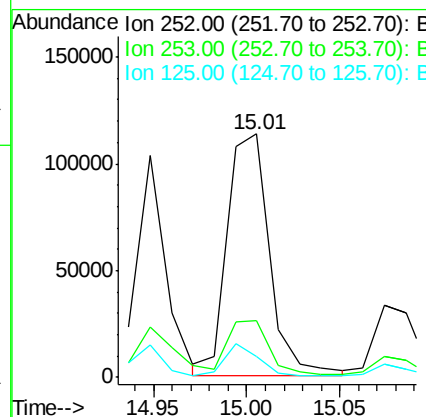
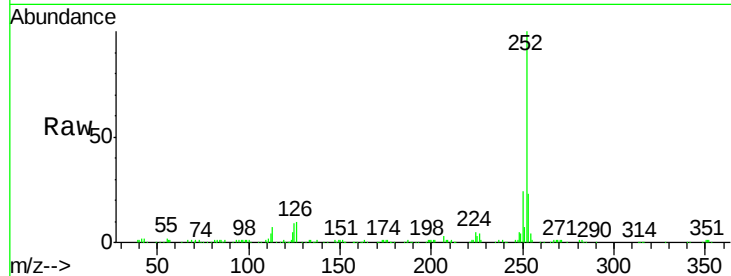
#89
Benzo(a)pyrene
Concen: 8.81 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Instrument :
BNA_F
ClientSampled :
COMP-2

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	179795		
253	23.2	17.5	26.3	
125	8.8	6.3	9.5	

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#91
Benzo(g,h,i)perylene
Concen: 5.62 ng
RT: 16.62 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	84653		
277	26.0	19.0	28.4	
138	26.6	16.4	24.6	

