

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093241.D
 Acq On : 28 Feb 2017 11:50
 Operator : SJ/MA
 Sample : I1992-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-003-A

Manual Integrations
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Quant Time: Mar 01 07:01:24 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	136826	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	527443	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	254589	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	472410	20.00	ng	-0.06
75) Chrysene-d12	13.96	240	324484	20.00	ng	-0.06
86) Perylene-d12	15.39	264	277221	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1031635	129.35	ng	-0.03
7) Phenol-d6	6.46	99	1325212	129.14	ng	-0.02
23) Nitrobenzene-d5	7.38	82	841081	88.80	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	227686	123.65	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1341940	95.49	ng	-0.05
78) Terphenyl-d14	12.91	244	1045588	75.71	ng	-0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.56	163	407534	23.77	ng	98
70) Phenanthrene	11.36	178	104805	3.87	ng	96
74) Fluoranthene	12.53	202	168145	6.02	ng	95
77) Pyrene	12.76	202	145708	6.00	ng	99
80) Benzo(a)anthracene	13.95	228	63776	3.21	ng	97
82) Chrysene	13.99	228	45446	2.45	ng	96
87) Benzo(b)fluoranthene	14.98	252	68639m	3.76	ng	
89) Benzo(a)pyrene	15.32	252	42502	2.69	ng	# 92
91) Benzo(g,h,i)perylene	17.19	276	30672	2.38	ng	# 86

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

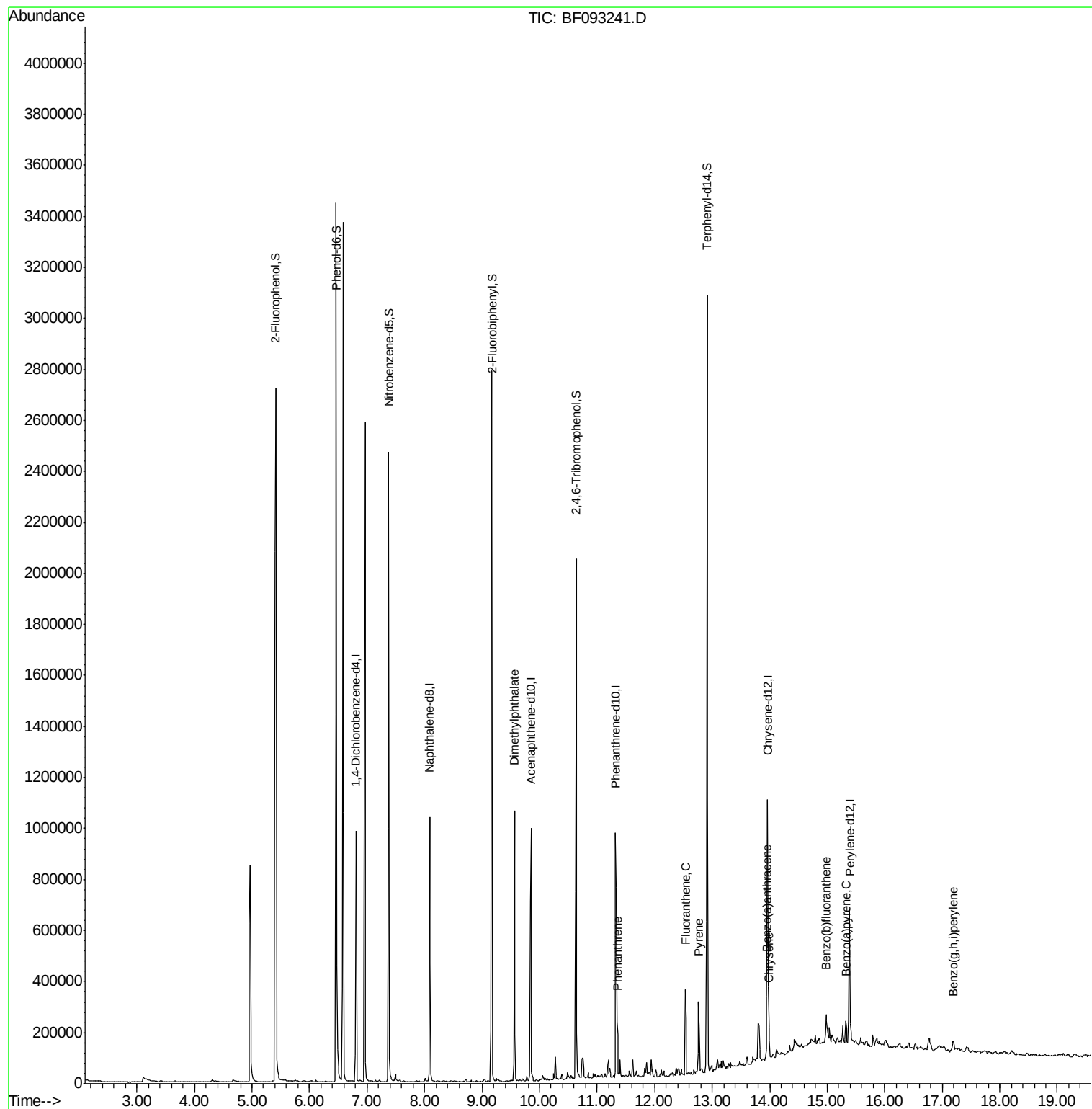
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093241.D
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

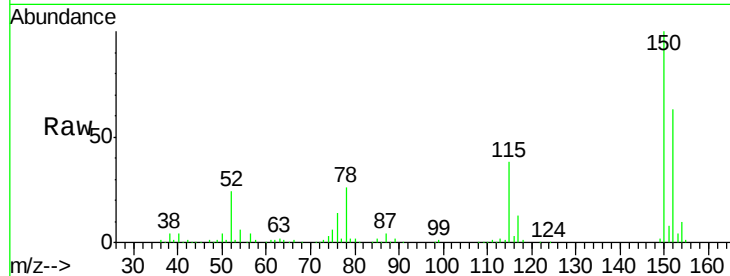
ClientSampleId :

FK-GF-02-003-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.9	187.3
115	61.1	46.0	69.0

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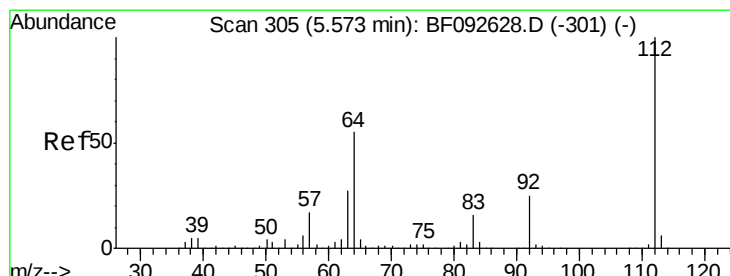
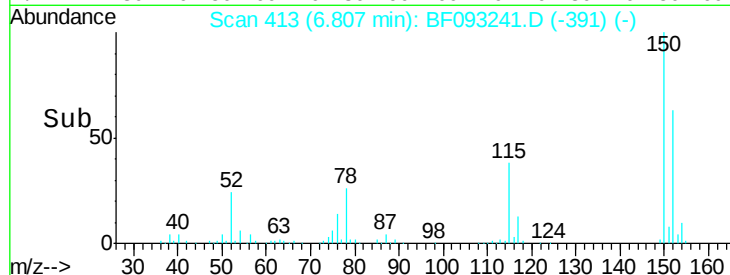
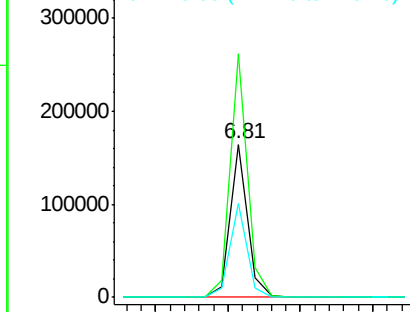


Abundance

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



#5

2-Fluorophenol

Concen: 129.35 ng

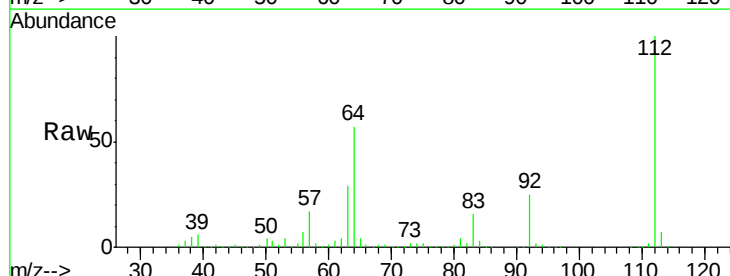
RT: 5.41 min Scan# 291

Delta R.T. -0.03 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.1	69.1
63	28.7	23.8	35.6

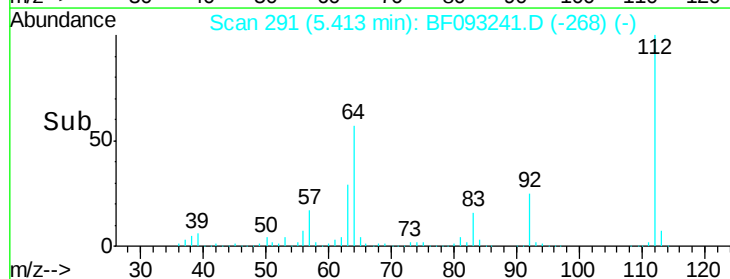
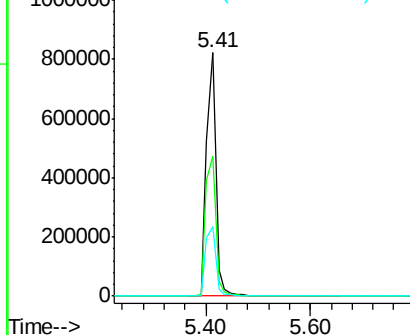


Abundance

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





#7

Phenol-d6

Concen: 129.14 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-003-A

Tgt Ion: 99 Resp: 1325212

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

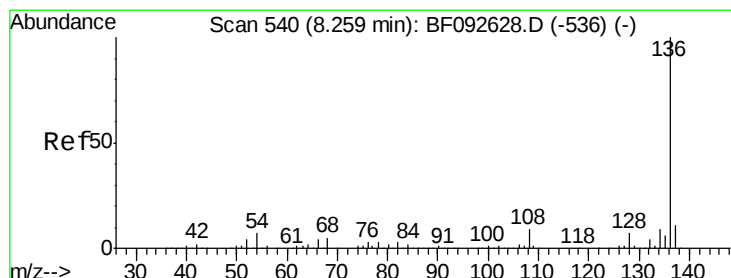
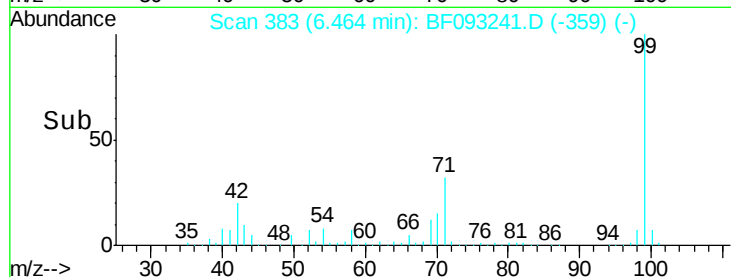
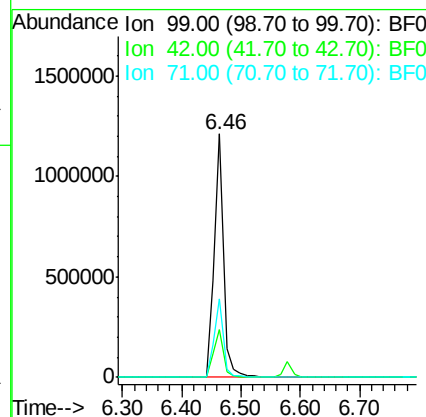
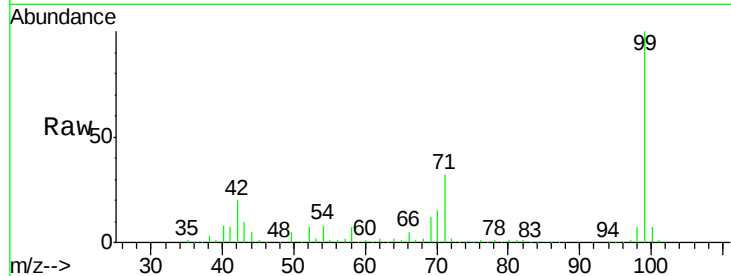
71 32.4 27.5 41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Tgt Ion: 136 Resp: 527443

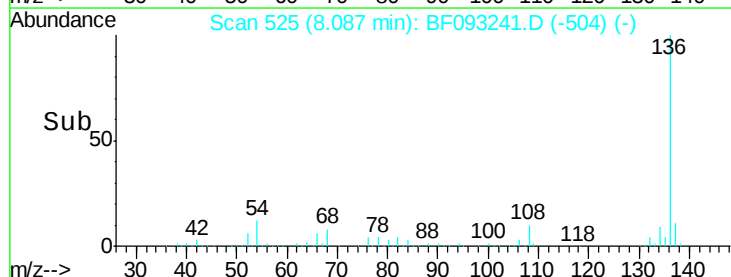
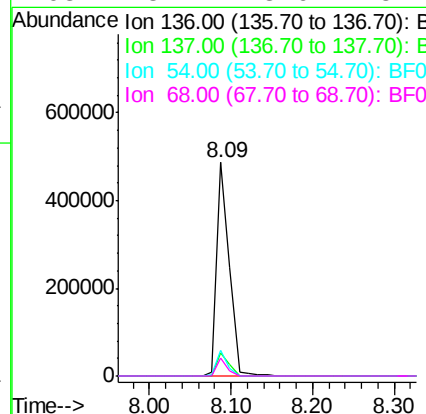
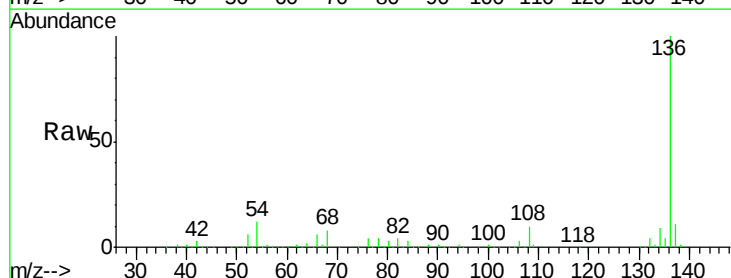
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 11.9 4.5 6.7#

68 8.2 3.6 5.4#





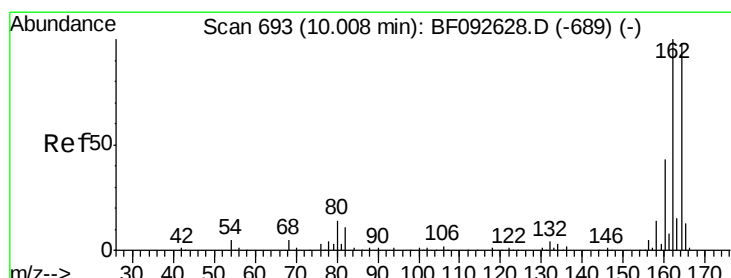
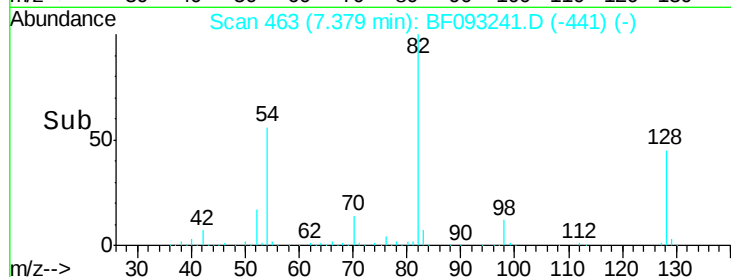
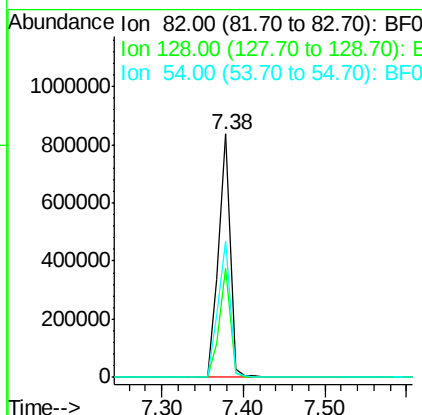
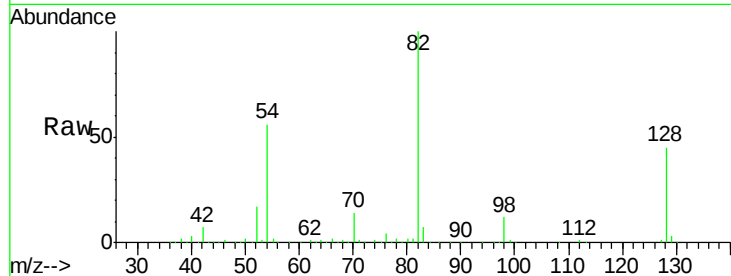
#23
 Nitrobenzene-d5
 Concen: 88.80 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-003-A

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	841081		
128	44.9	34.6	52.0	
54	55.8	39.5	59.3	

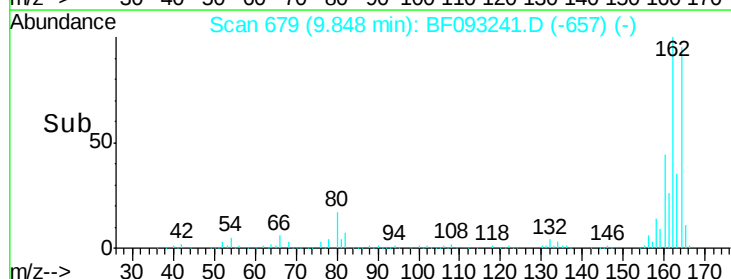
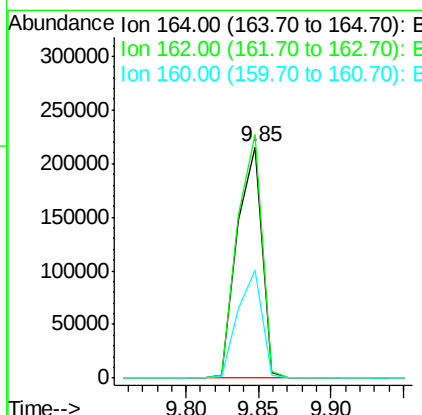
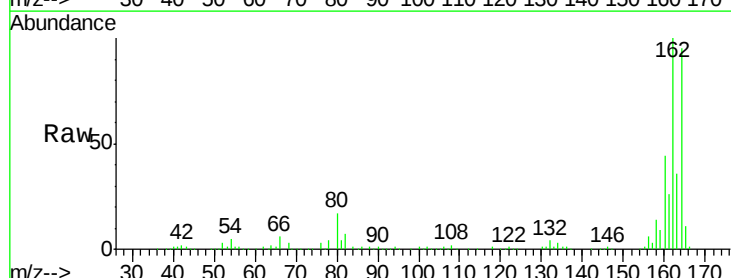
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	254589		
162	105.4	80.2	120.2	
160	46.8	36.9	55.3	





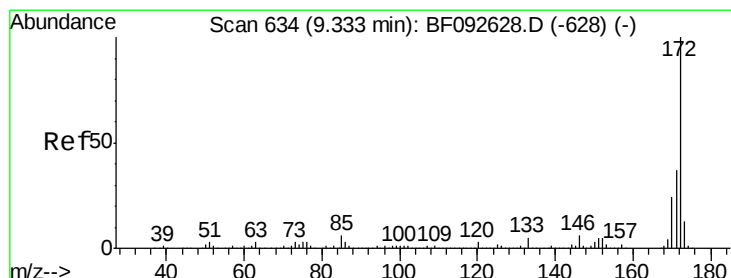
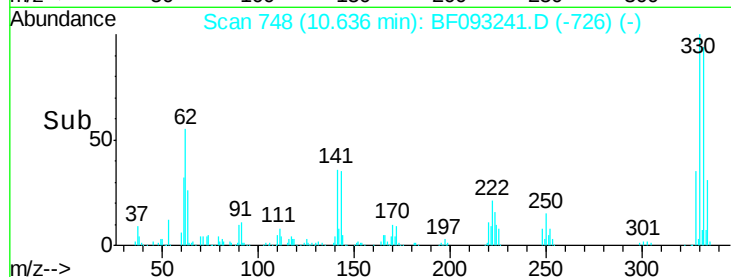
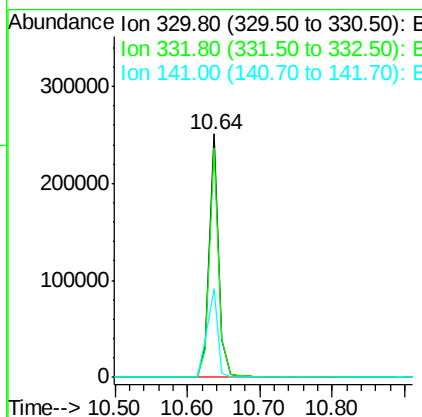
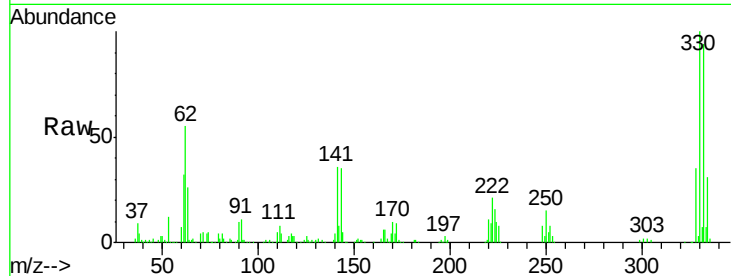
#41
 2,4,6-Tribromophenol
 Concen: 123.65 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-003-A

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	227686		
332	94.4	77.4	116.2	
141	41.0	34.1	51.1	

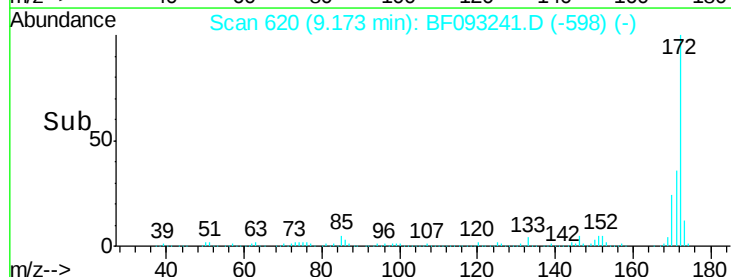
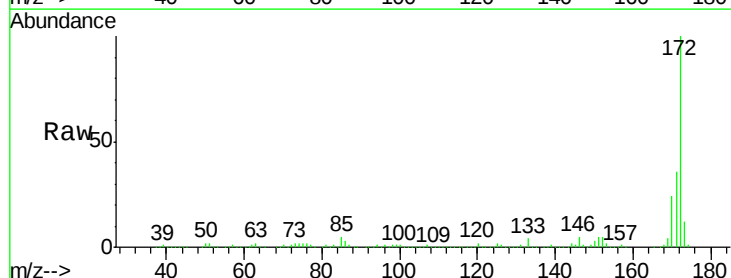
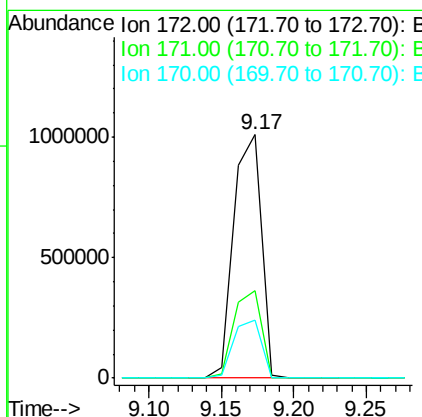
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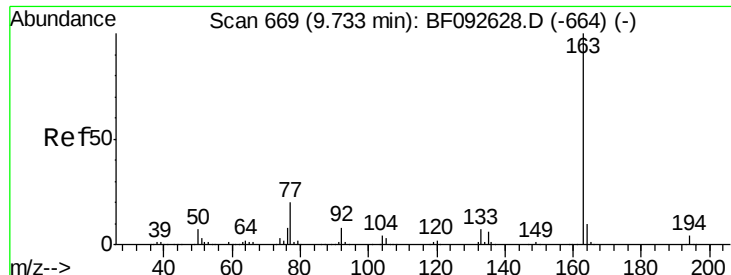
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#44
 2-Fluorobiphenyl
 Concen: 95.49 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1341940		
171	36.1	29.4	44.0	
170	23.7	20.2	30.4	





#49

Dimethylphthalate

Concen: 23.77 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

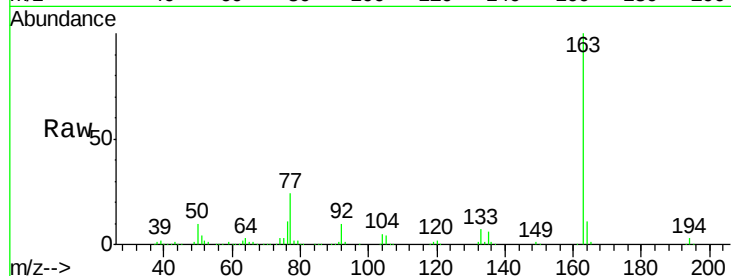
ClientSampleId :

FK-GF-02-003-A

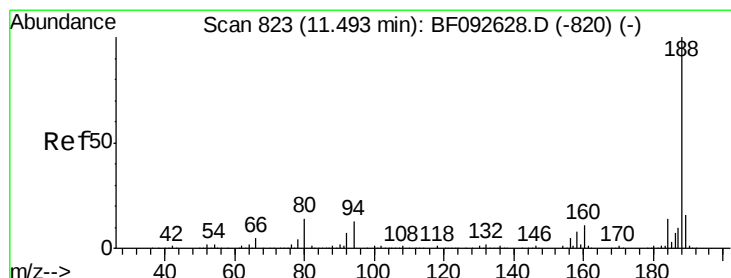
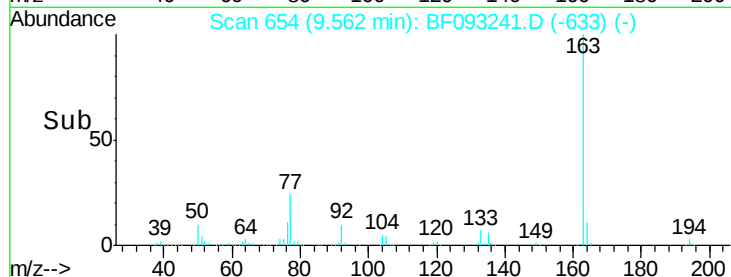
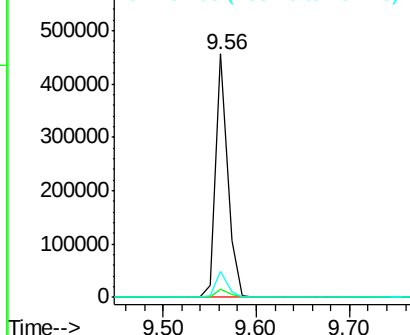
Tgt Ion:	163	Resp:	407534
Ion Ratio	Lower	Upper	
163	100		
194	3.3	3.0	4.4
164	10.6	8.0	12.0

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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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

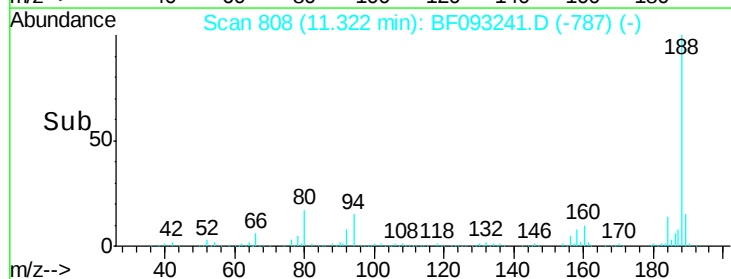
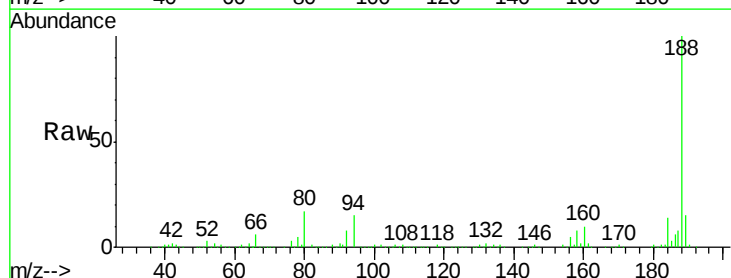
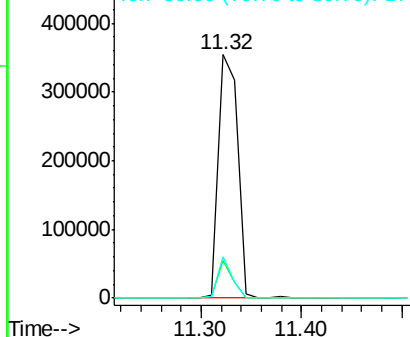
Delta R.T. -0.06 min

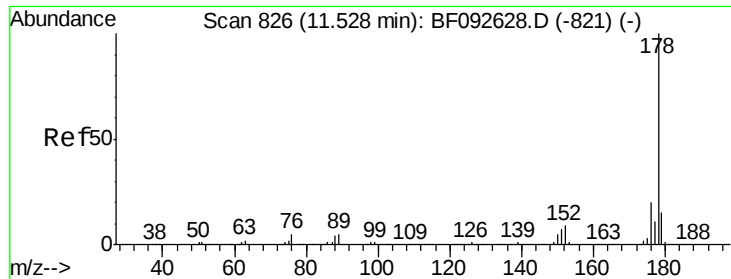
Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Tgt Ion:	188	Resp:	472410
Ion Ratio	Lower	Upper	
188	100		
94	15.2	10.0	15.0#
80	17.1	11.2	16.8#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





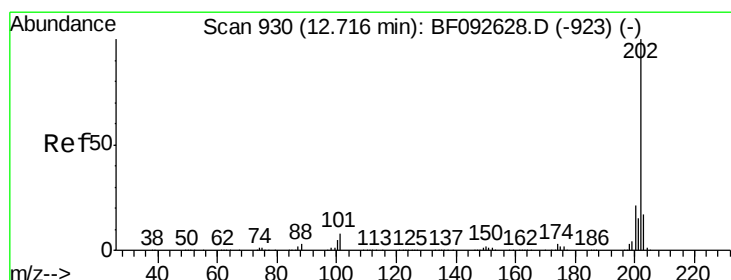
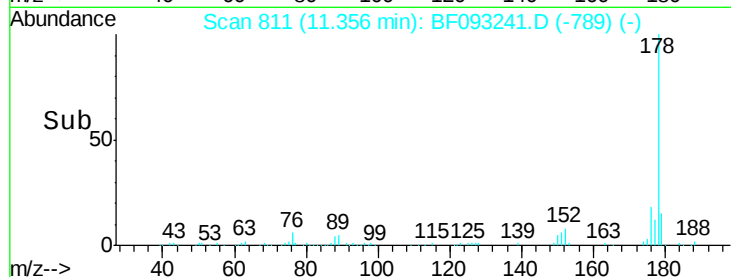
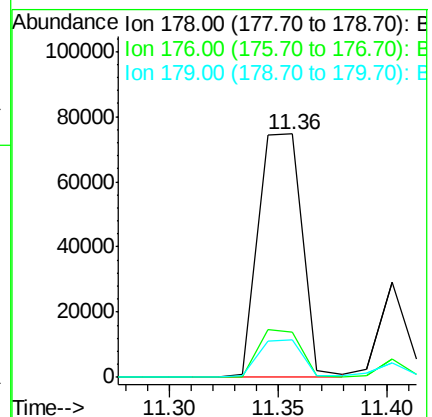
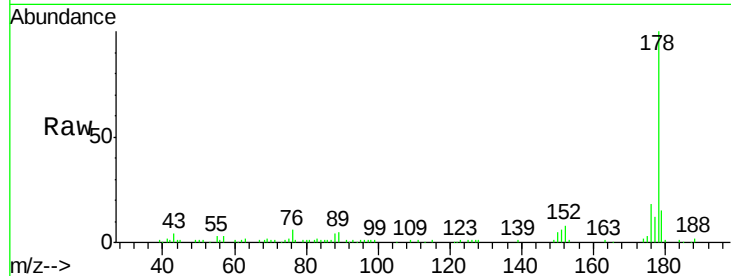
#70
Phenanthrene
Concen: 3.87 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-003-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.6	25.0
179	15.2	12.8	19.2

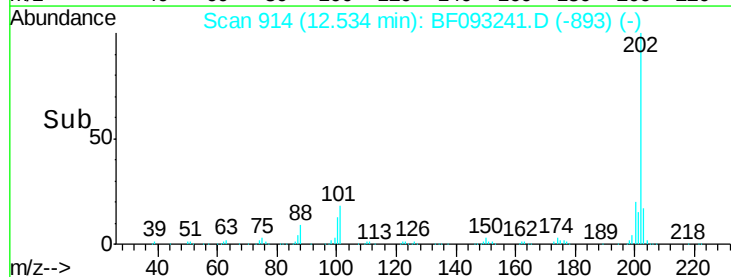
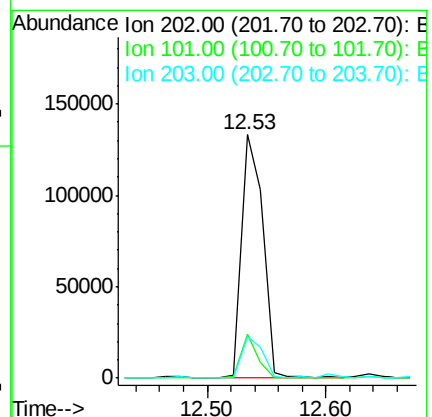
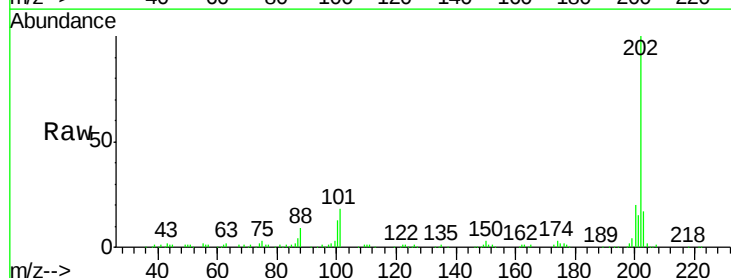
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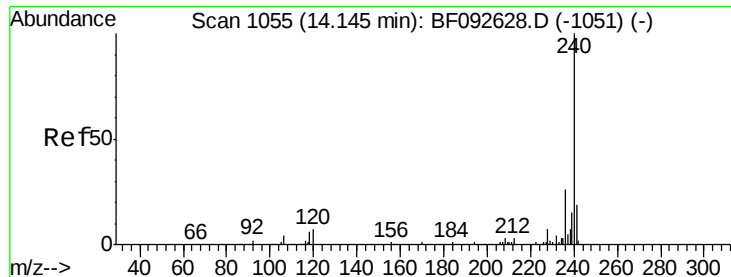
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#74
Fluoranthene
Concen: 6.02 ng
RT: 12.53 min Scan# 914
Delta R.T. -0.06 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.9	0.0	34.6
203	17.2	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

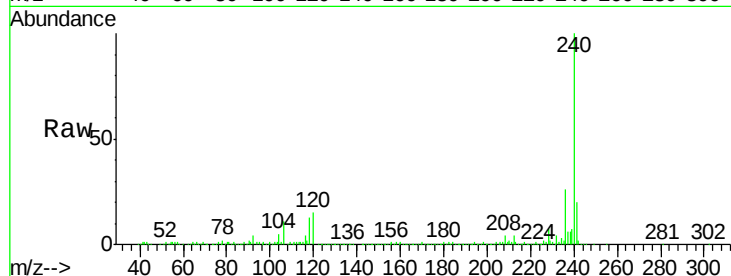
ClientSampleId :

FK-GF-02-003-A

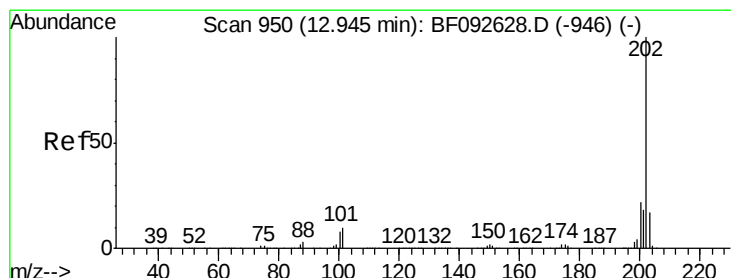
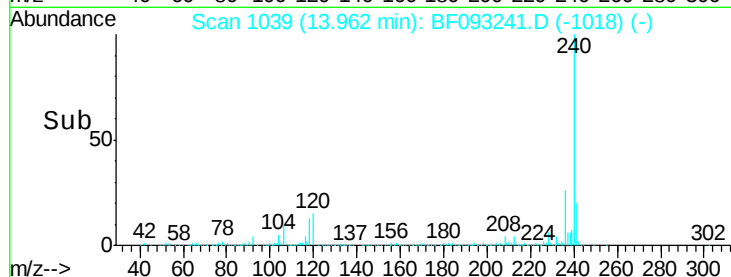
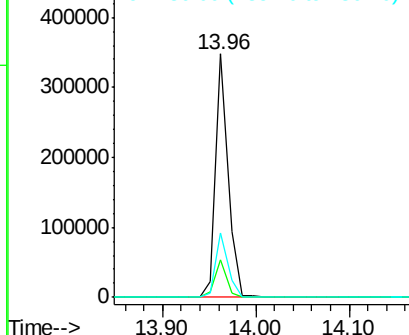
Tgt	Ion	240	Resp:	324484
Ion	Ratio	Lower	Upper	
240	100			
120	15.4	12.9	19.3	
236	26.2	20.9	31.3	

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.00 ng

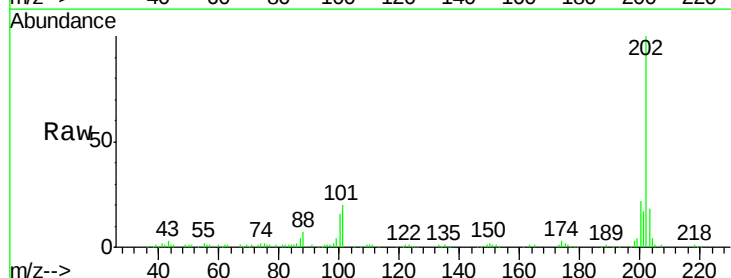
RT: 12.76 min Scan# 934

Delta R.T. -0.06 min

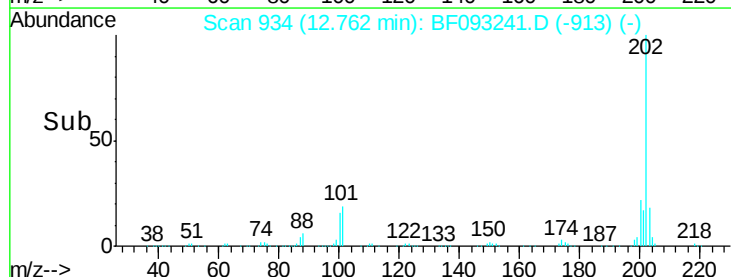
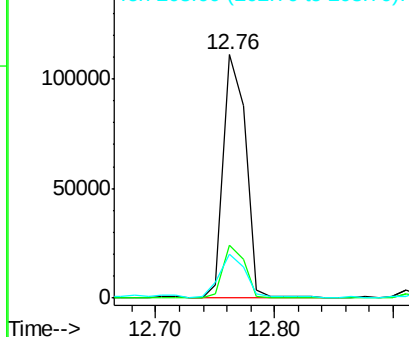
Lab File: BF093241.D

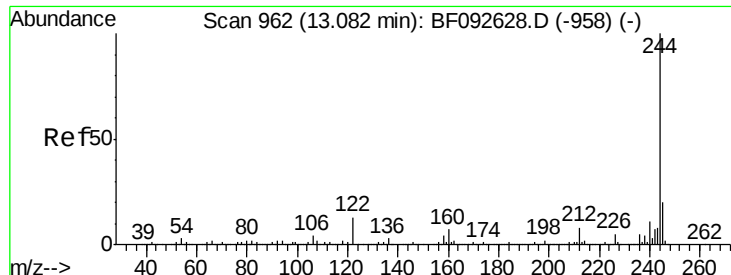
Acq: 28 Feb 2017 11:50

Tgt	Ion	202	Resp:	145708
Ion	Ratio	Lower	Upper	
202	100			
200	21.6	17.7	26.5	
203	18.3	14.7	22.1	



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





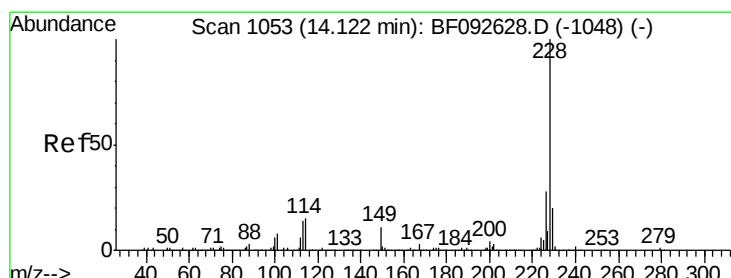
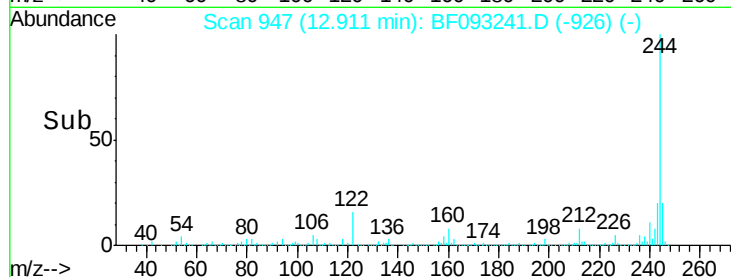
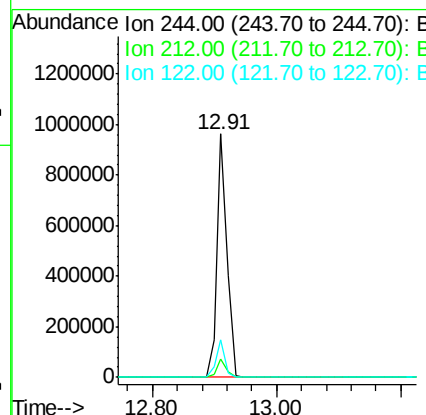
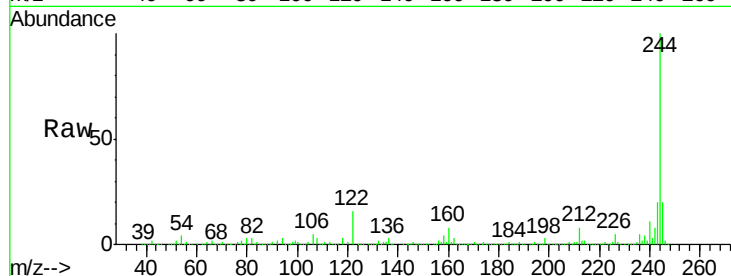
#78
 Terphenyl-d14
 Concen: 75.71 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-003-A

Tgt Ion:244 Resp: 1045588
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 15.5 11.4 17.2

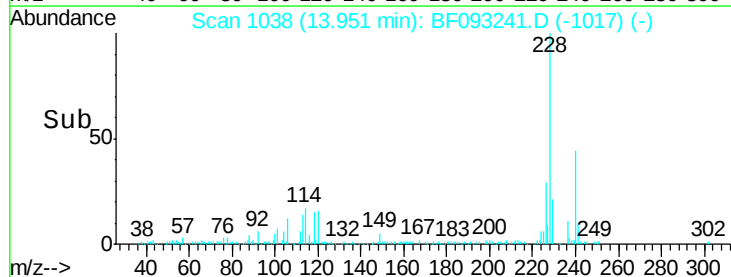
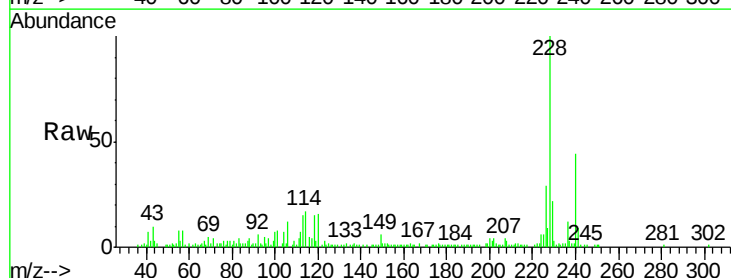
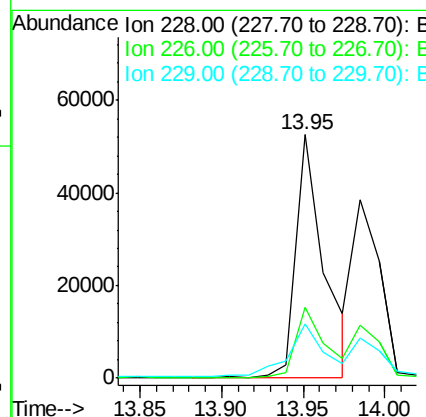
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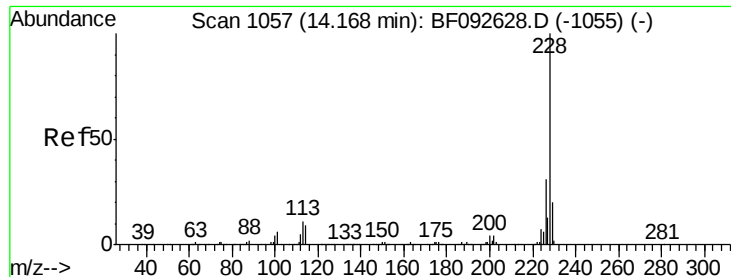
mohammad
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#80
 Benzo(a)anthracene
 Concen: 3.21 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.06 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Tgt Ion:228 Resp: 63776
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.4 33.6
 229 22.2 16.2 24.4





#82

Chrysene

Concen: 2.45 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

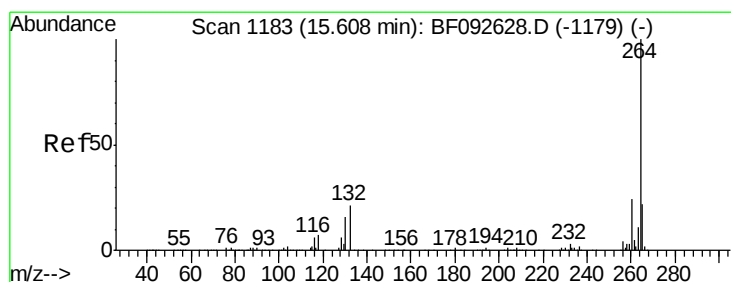
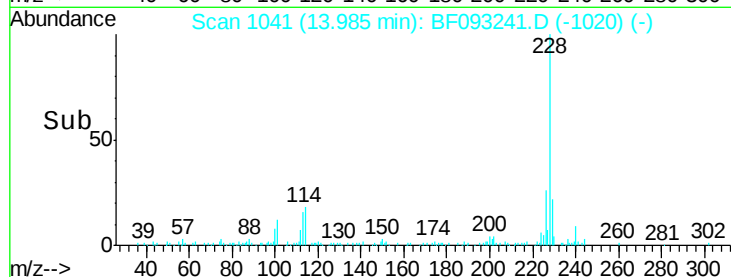
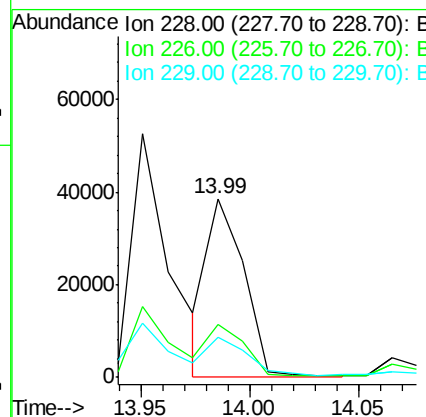
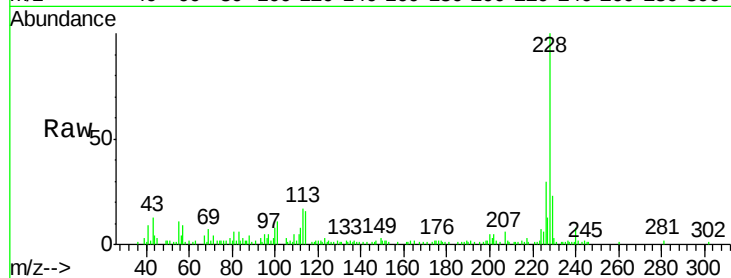
ClientSampleId :

FK-GF-02-003-A

Tgt Ion:	228	Resp:	45446
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.4	38.0
229	22.8	16.2	24.2

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#86

Perylene-d12

Concen: 20.00 ng

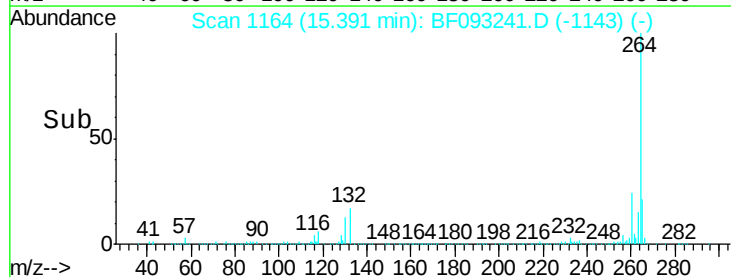
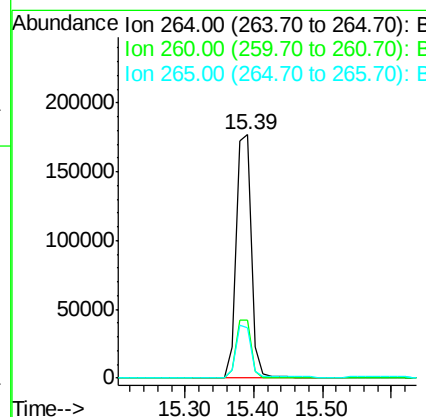
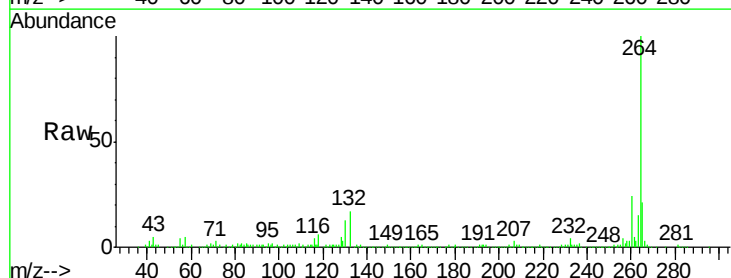
RT: 15.39 min Scan# 1164

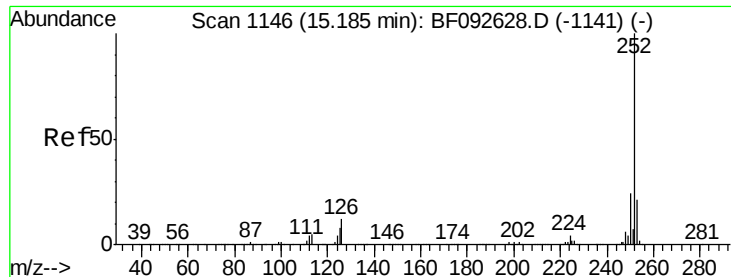
Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Tgt Ion:	264	Resp:	277221
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	20.8	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 3.76 ng m

RT: 14.98 min Scan# 1128

Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

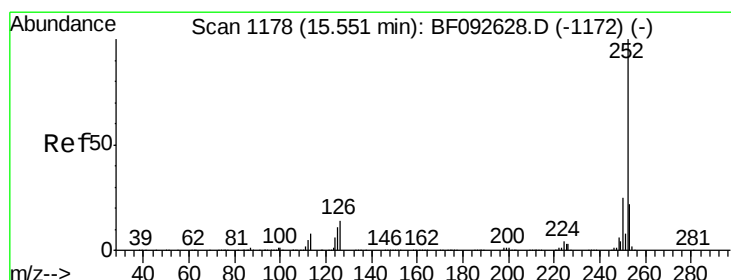
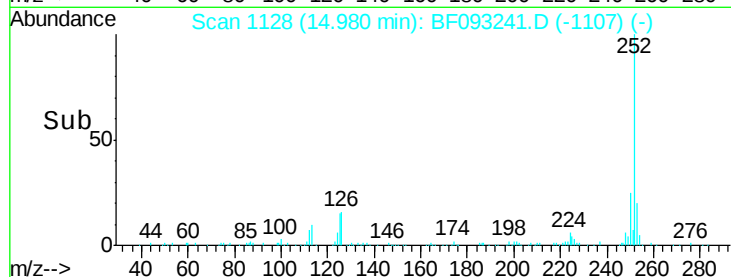
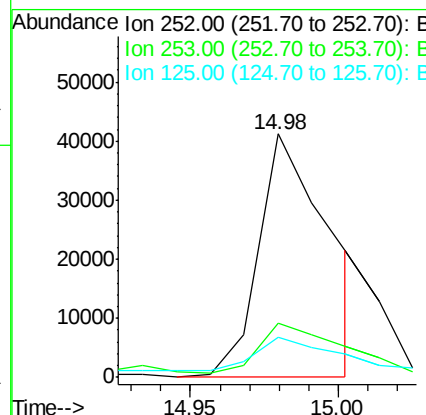
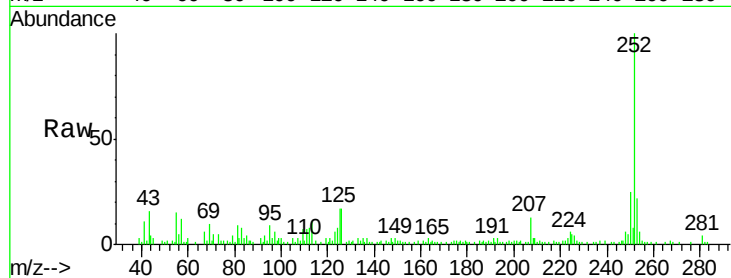
ClientSampleId :

FK-GF-02-003-A

Tgt Ion:	252	Resp:	68639
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.4
125	16.5	9.8	14.6#

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#89

Benzo(a)pyrene

Concen: 2.69 ng

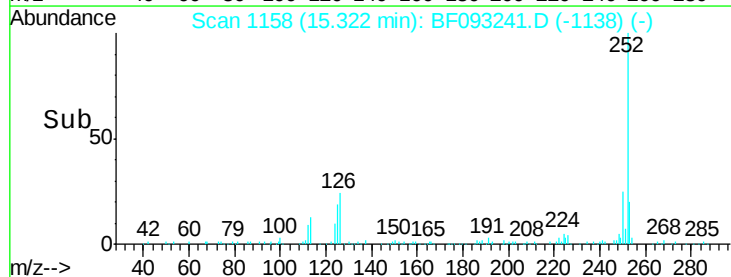
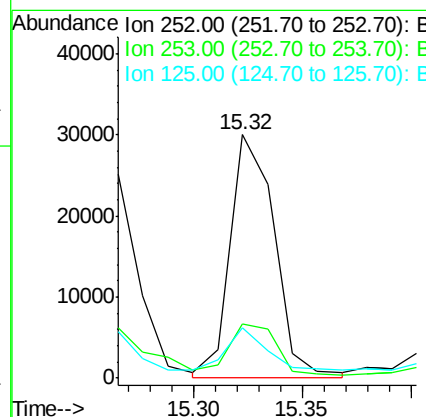
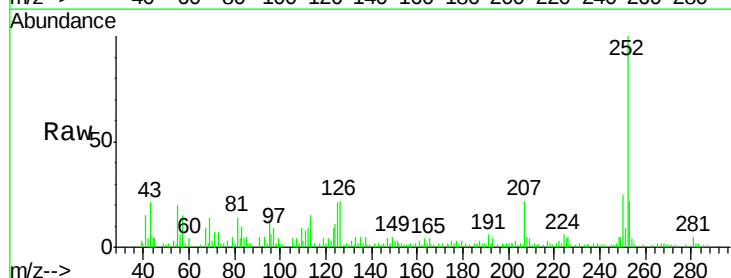
RT: 15.32 min Scan# 1158

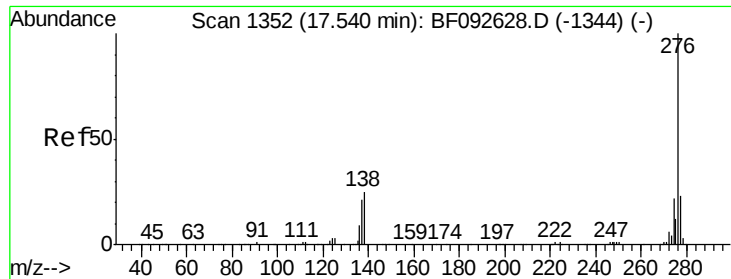
Delta R.T. -0.07 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Tgt Ion:	252	Resp:	42502
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.2
125	20.7	10.0	15.0#





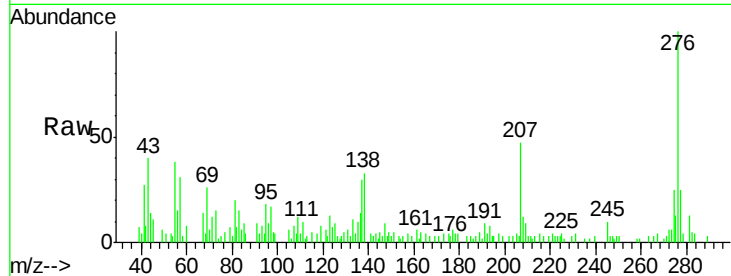
#91
 Benzo(g,h,i)perylene
 Concen: 2.38 ng
 RT: 17.19 min Scan# 1321
 Delta R.T. -0.10 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-003-A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	32.9	16.0	24.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

