

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
 Data File : BF093582.D
 Acq On : 11 Mar 2017 22:05
 Operator : SJ/MA
 Sample : I2106-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419A

Manual Integrations
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 3/15/2017 5:32:53 PM

Quant Time: Mar 13 16:59:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	170057	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	400401	20.00	ng	0.01
38) Acenaphthene-d10	9.78	164	159412	20.00	ng	0.02
63) Phenanthrene-d10	11.27	188	279290	20.00	ng	0.02
75) Chrysene-d12	13.88	240	329505	20.00	ng	-0.01
86) Perylene-d12	15.28	264	293284	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	996649	97.54	ng	0.00
7) Phenol-d6	6.38	99	1257767	97.62	ng	0.00
23) Nitrobenzene-d5	7.30	82	715069	99.09	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	94818	91.29	ng	0.03
44) 2-Fluorobiphenyl	9.11	172	747619	87.23	ng	0.02
78) Terphenyl-d14	12.82	244	612504	48.33	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	93348	5.91	ng	87
49) Dimethylphthalate	9.51	163	58537	5.54	ng	# 14
51) Acenaphthene	9.82	154	202190	23.32	ng	# 77
57) Fluorene	10.34	166	408962	44.48	ng	# 81
70) Phenanthrene	11.29	178	1057700	66.35	ng	# 94
74) Fluoranthene	12.47	202	159593	10.36	ng	93
80) Benzo(a)anthracene	13.88	228	47791m	2.46	ng	
82) Chrysene	13.91	228	38189m	2.12	ng	
87) Benzo(b)fluoranthene	14.89	252	43899m	2.46	ng	

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

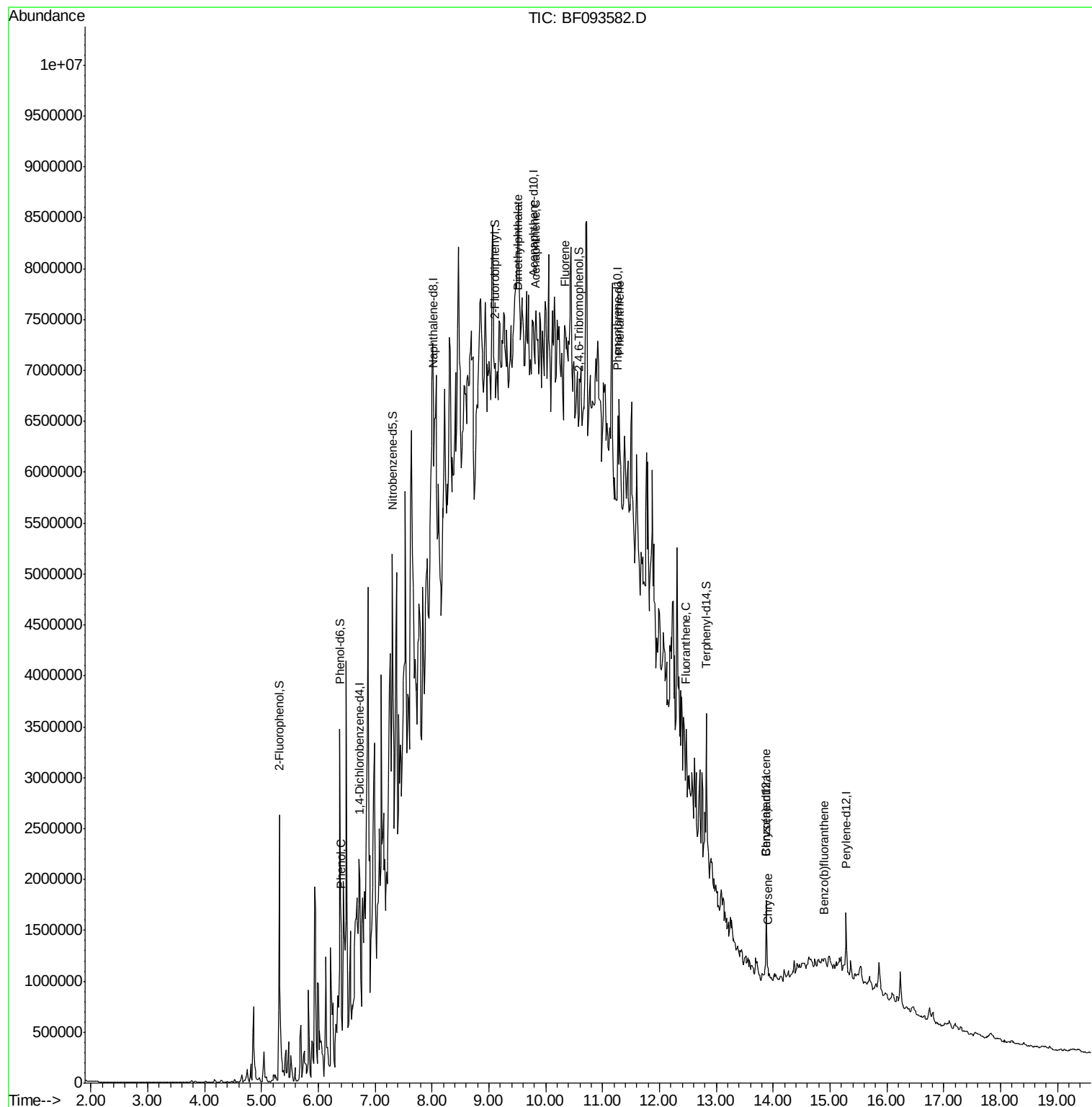
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
Data File : BF093582.D
Acq On : 11 Mar 2017 22:05
Operator : SJ/MA
Sample : I2106-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

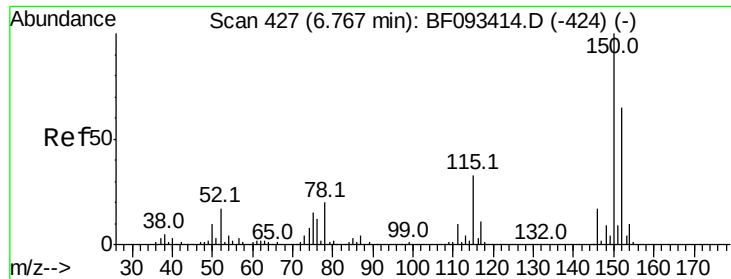
Instrument :
BNA_F
ClientSampleId :
HY-SB419A

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

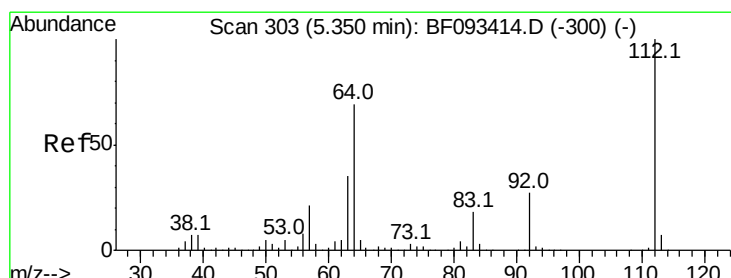
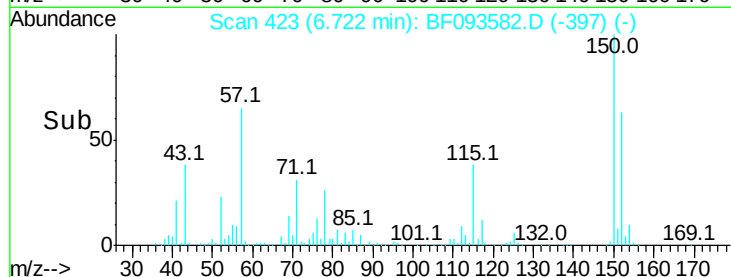
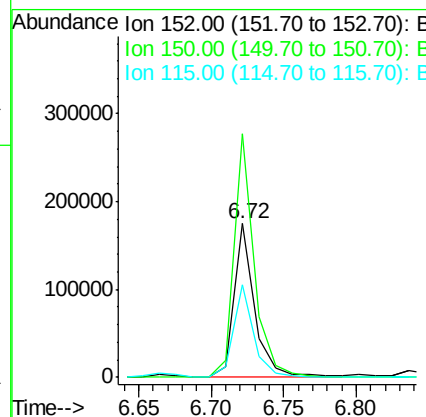
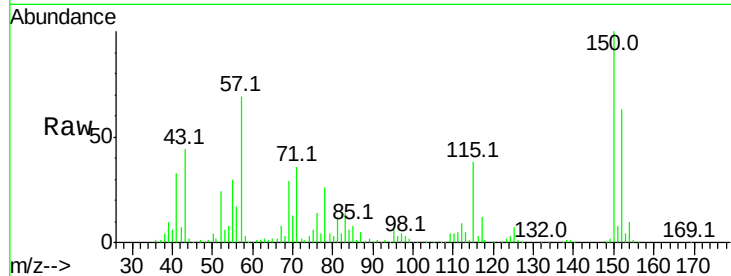
ClientSampleId :

HY-SB419A

Tot Ion:	152	Resp:	170057
Ion Ratio	Lower	Upper	
152	100		
150	158.1	124.9	187.3
115	60.3	46.0	69.0

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#5

2-Fluorophenol

Concen: 97.54 ng

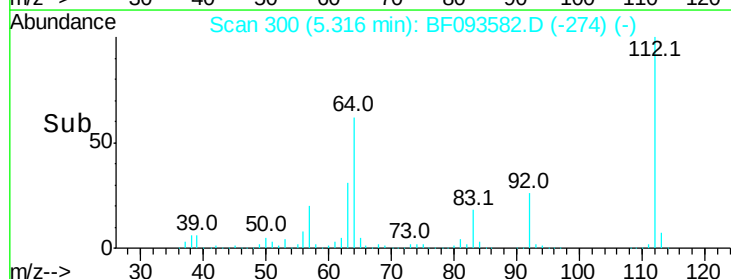
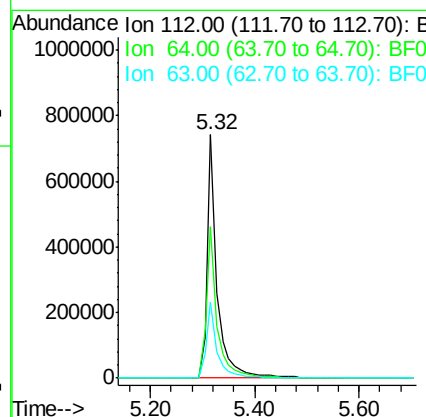
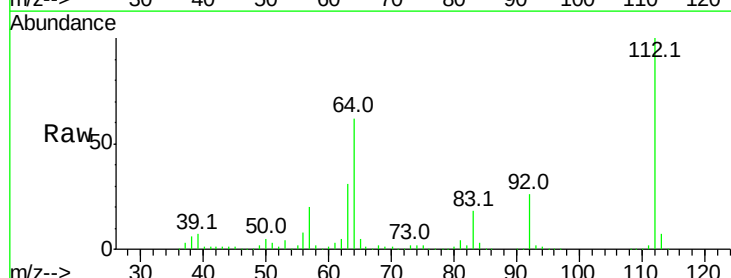
RT: 5.32 min Scan# 300

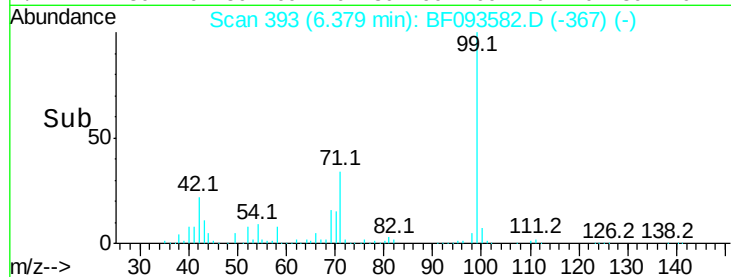
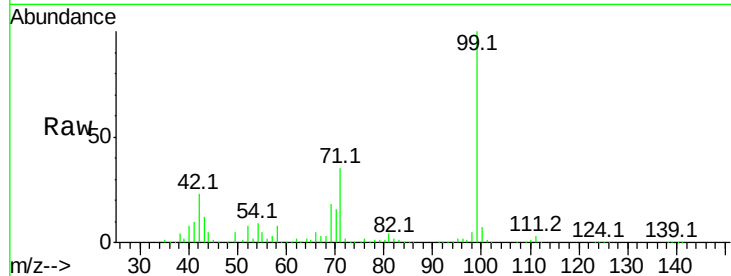
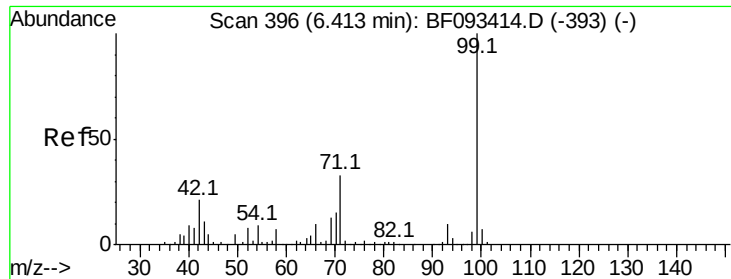
Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Tgt Ion:	112	Resp:	996649
Ion Ratio	Lower	Upper	
112	100		
64	62.3	46.1	69.1
63	31.1	23.8	35.6





#7

Phenol-d6

Concen: 97.62 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Tot Ion: 99 Resp: 1257767

Ion Ratio Lower Upper

99 100

42 22.5 15.6 23.4

71 34.6 27.5 41.3

Instrument :

BNA_F

ClientSampled :

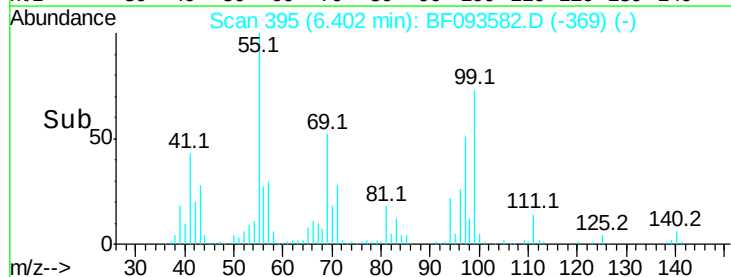
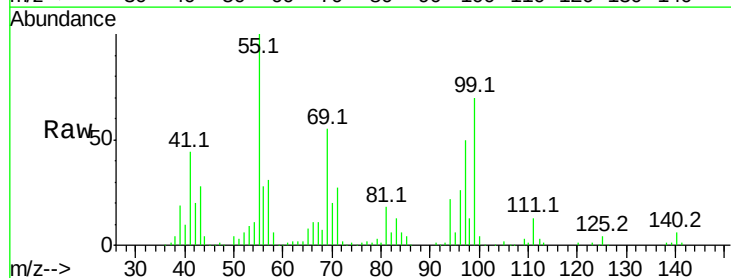
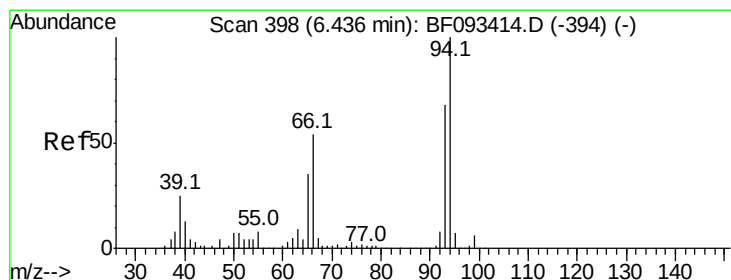
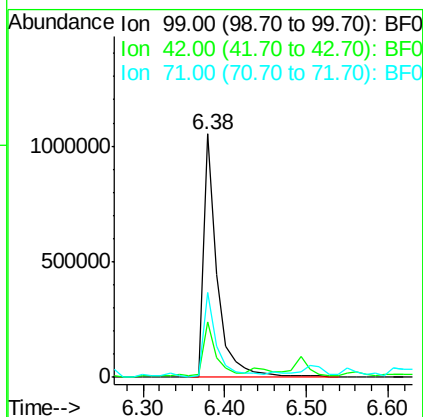
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#10

Phenol

Concen: 5.91 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

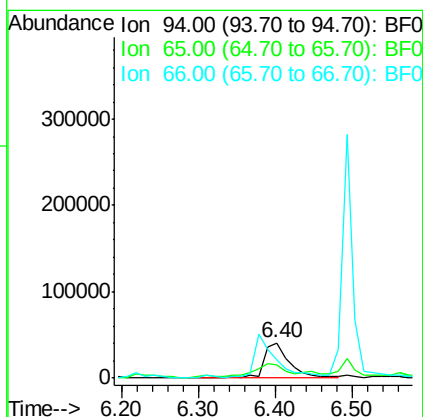
Tgt Ion: 94 Resp: 93348

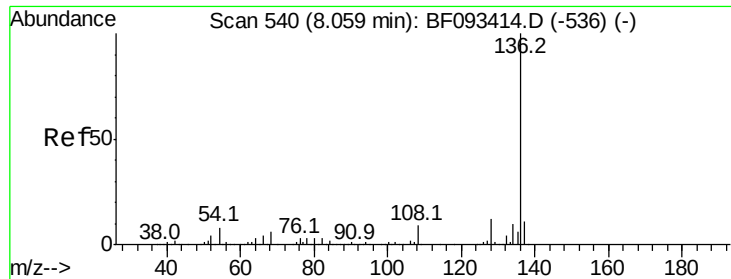
Ion Ratio Lower Upper

94 100

65 37.5 21.4 61.4

66 50.3 44.0 84.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

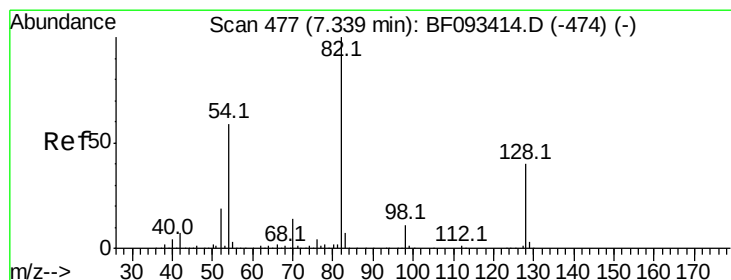
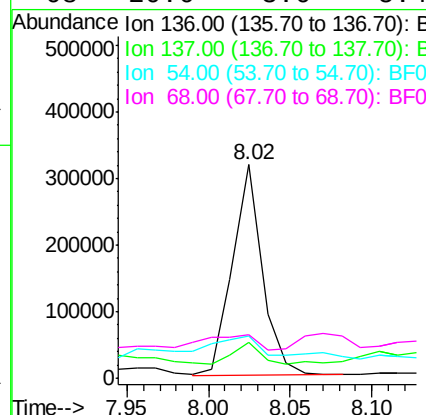
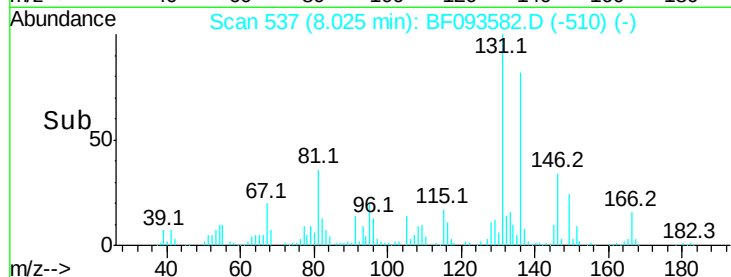
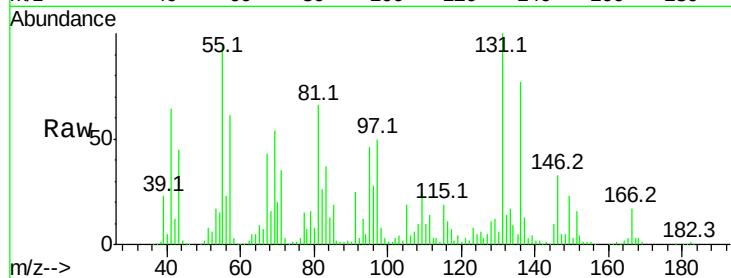
ClientSampleId :

HY-SB419A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	16.7		8.4	12.6#	
54	20.0		4.5	6.7#	
68	20.6		3.6	5.4#	

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#23

Nitrobenzene-d5

Concen: 99.09 ng

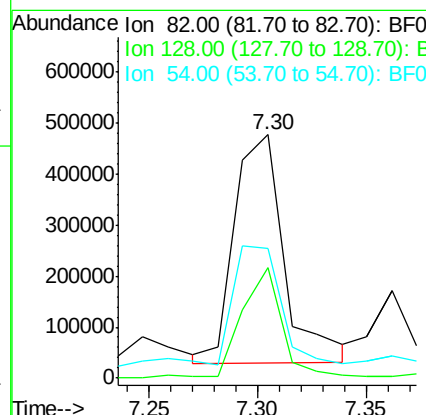
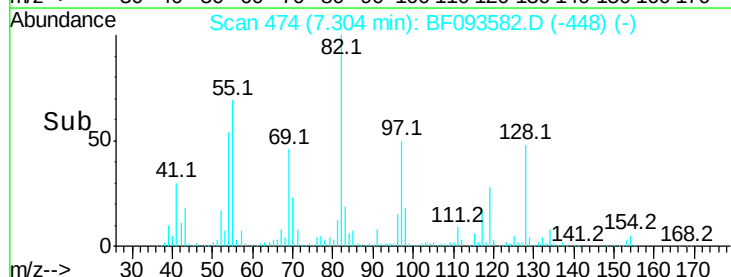
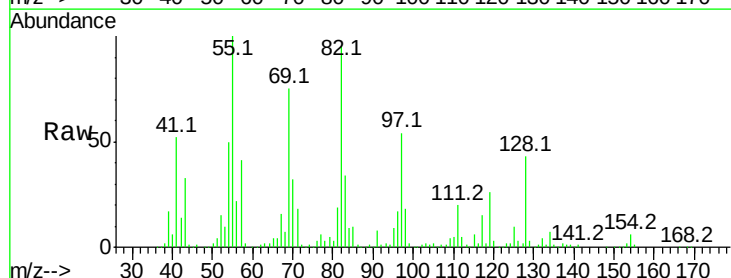
RT: 7.30 min Scan# 474

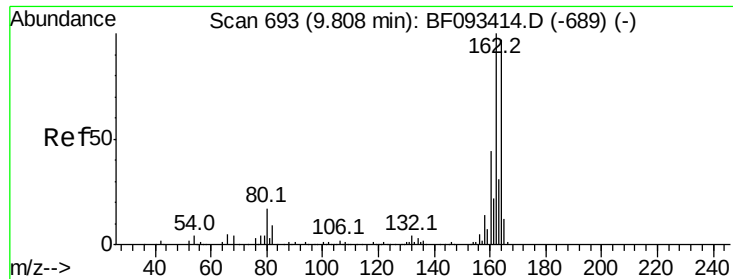
Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	45.5		34.6	52.0	
54	53.0		39.5	59.3	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 691

Delta R.T. 0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

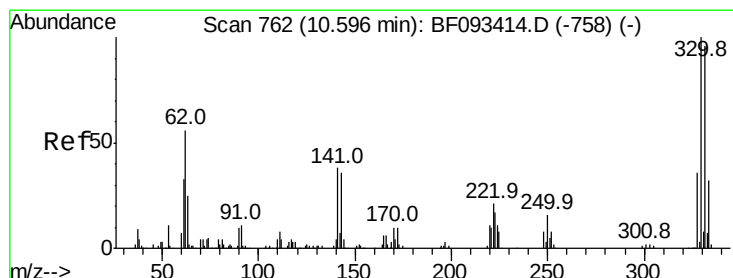
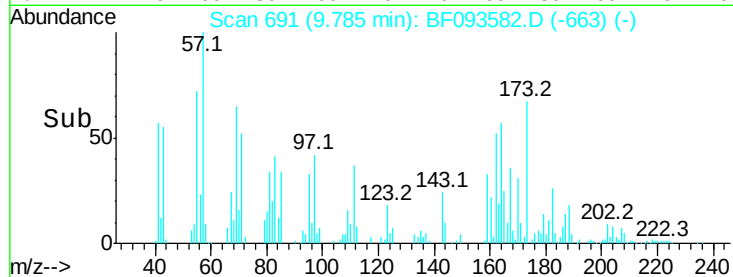
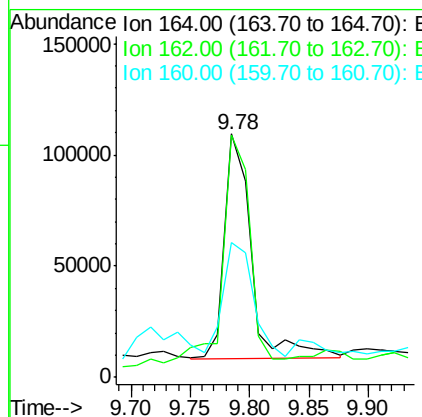
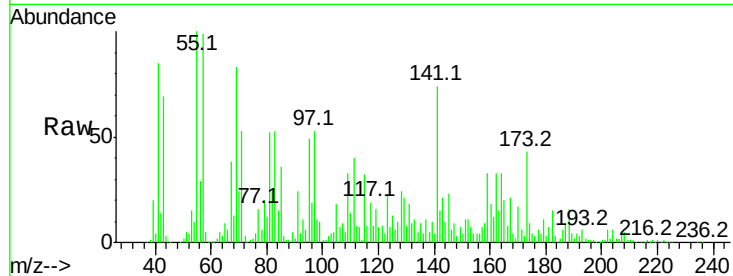
ClientSampled :

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Tot Ion:	164	Resp:	159412
Ion Ratio	Lower	Upper	
164	100		
162	99.6	80.2	120.2
160	55.4	36.9	55.3#

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#41

2,4,6-Tribromophenol

Concen: 91.29 ng

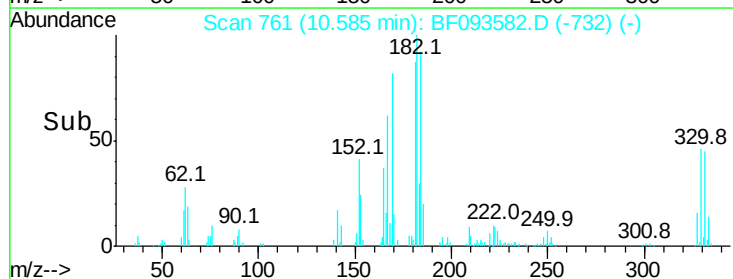
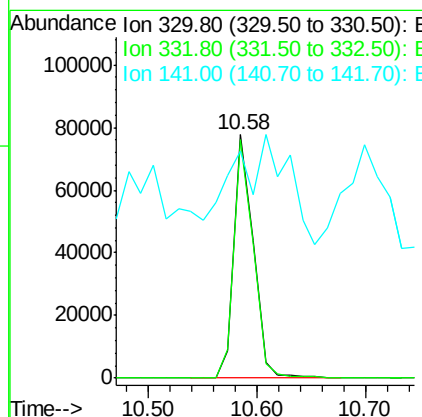
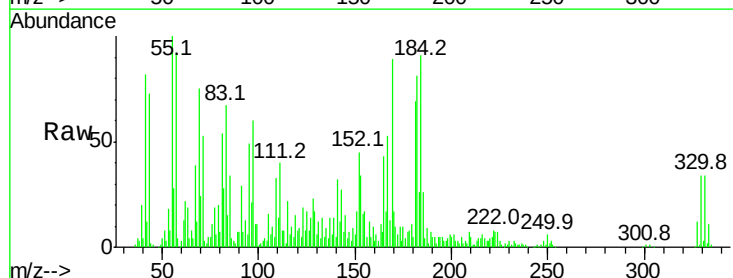
RT: 10.58 min Scan# 761

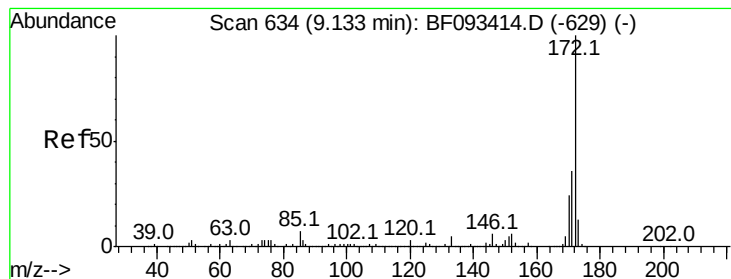
Delta R.T. 0.03 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Tgt Ion:	330	Resp:	94818
Ion Ratio	Lower	Upper	
330	100		
332	98.3	77.4	116.2
141	36.5	34.1	51.1





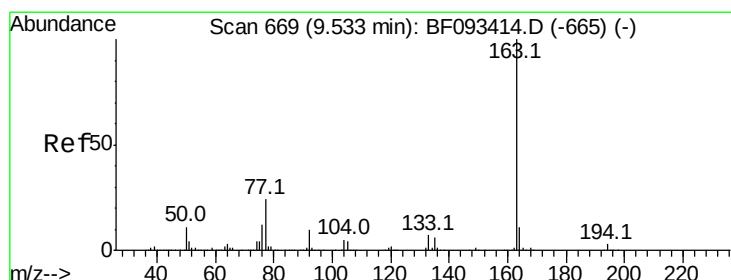
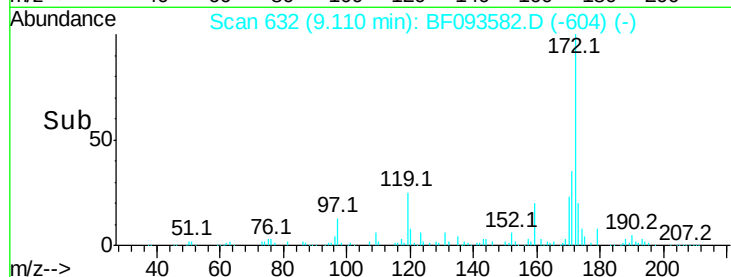
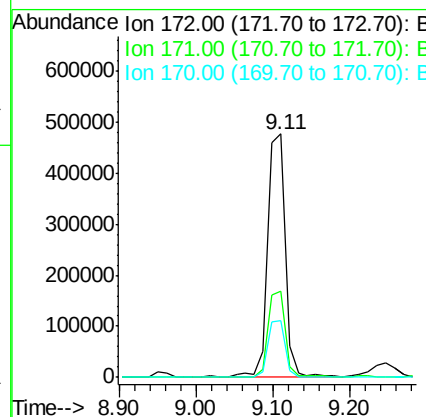
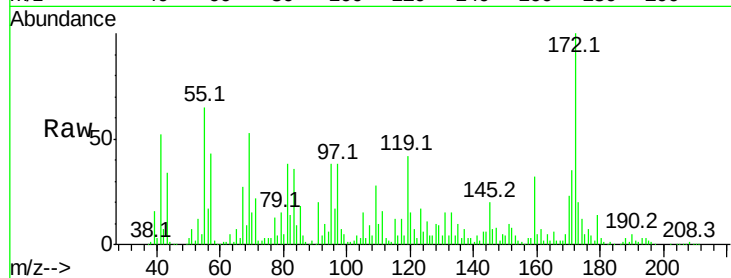
#44
2-Fluorobiphenyl
Concen: 87.23 ng
RT: 9.11 min Scan# 632
Delta R.T. 0.02 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Instrument :
BNA_F
ClientSampleId :
HY-SB419A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.0
170	23.4	20.2	30.4

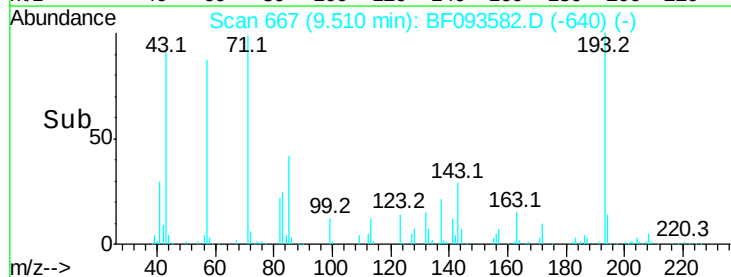
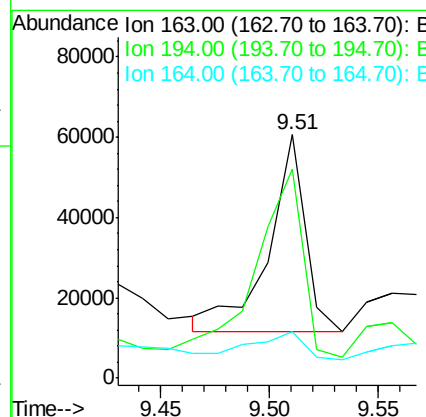
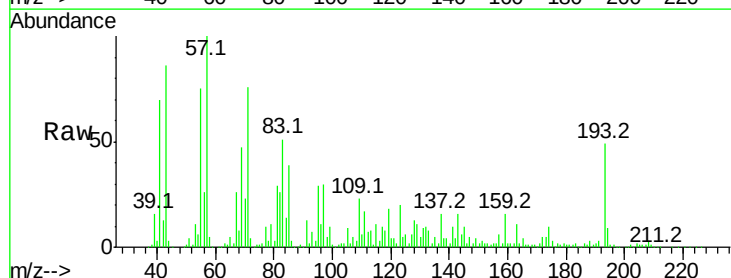
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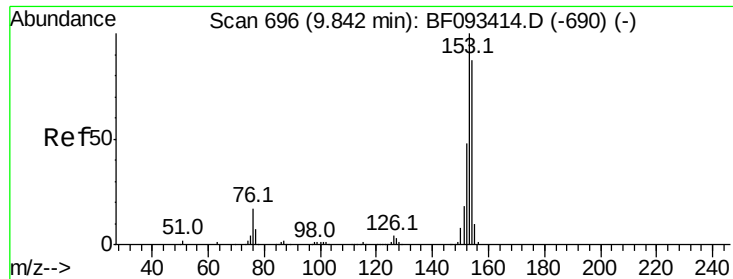
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#49
Dimethylphthalate
Concen: 5.54 ng
RT: 9.51 min Scan# 667
Delta R.T. 0.01 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	85.7	3.0	4.4#
164	19.3	8.0	12.0#





#51

Acenaphthene

Concen: 23.32 ng

RT: 9.82 min Scan# 694

Delta R.T. 0.02 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

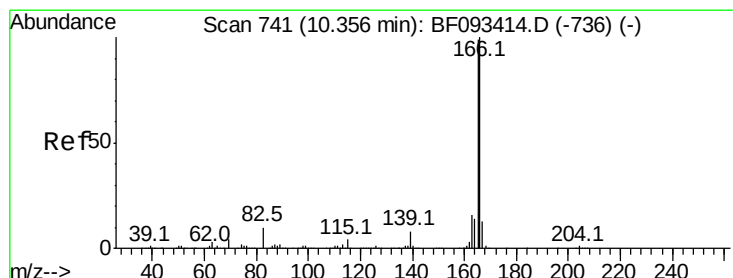
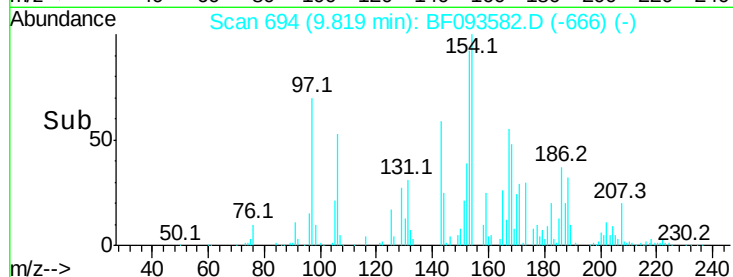
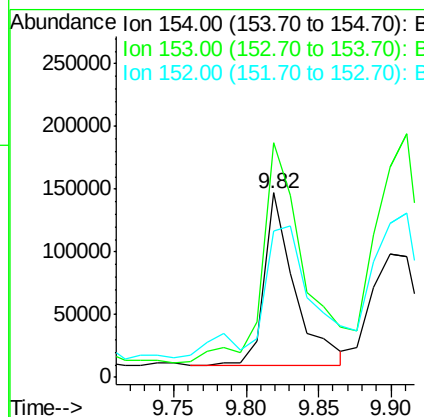
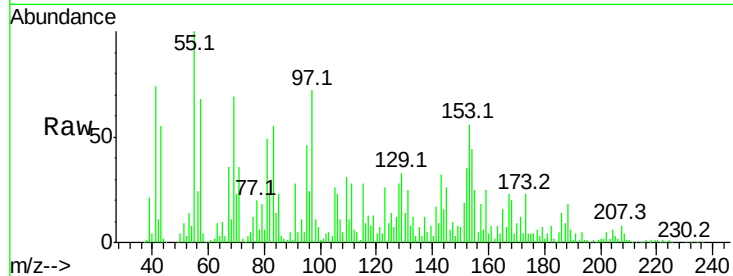
ClientSampled :

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Tot Ion	Ratio	Lower	Upper
154	100		
153	126.9	88.6	133.0
152	79.6	41.6	62.4

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#57

Fluorene

Concen: 44.48 ng

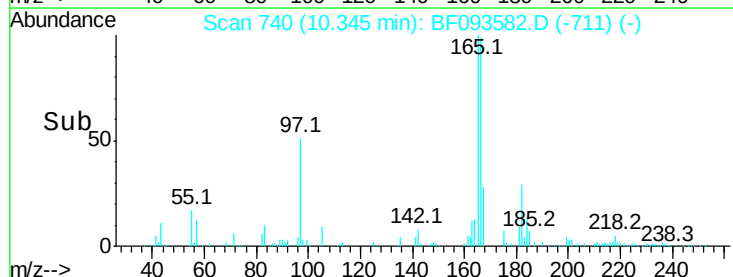
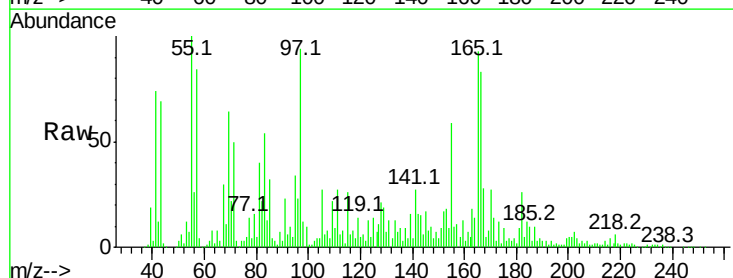
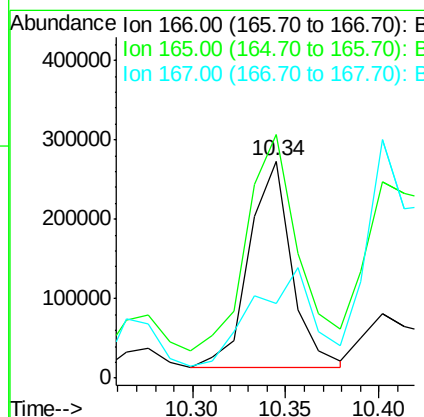
RT: 10.34 min Scan# 740

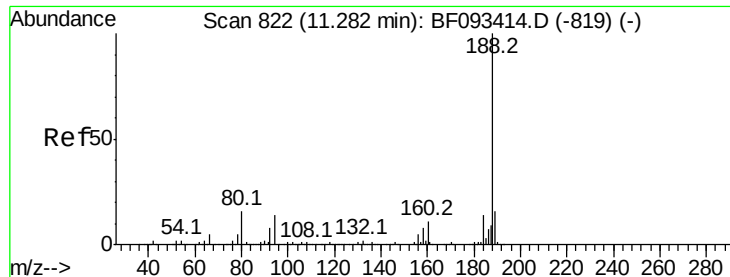
Delta R.T. 0.03 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.1	77.8	116.8
167	34.2	10.8	16.2





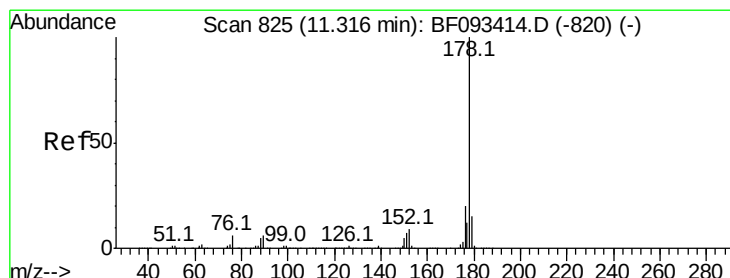
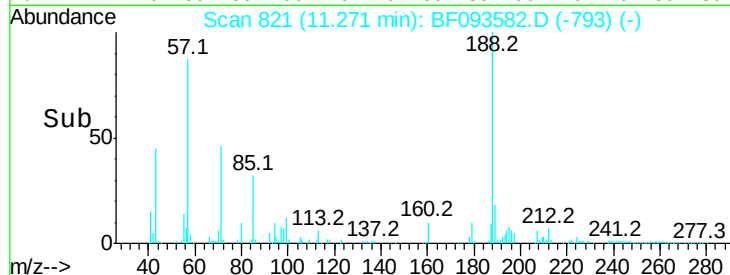
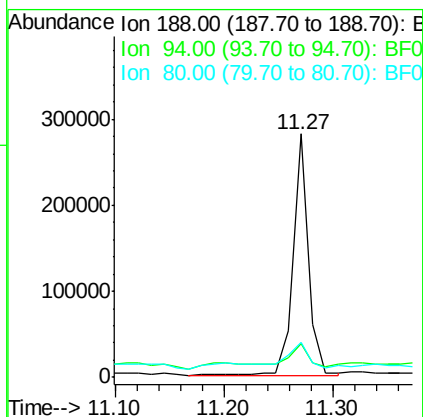
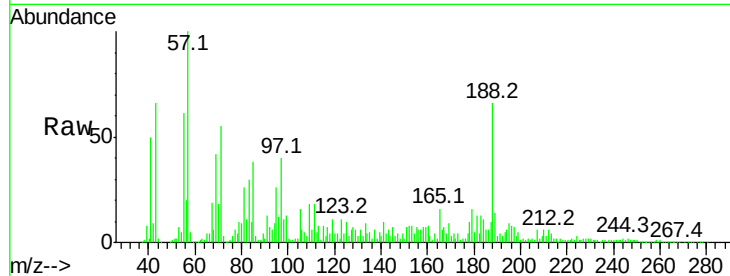
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 821
Delta R.T. 0.02 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Instrument :
BNA_F
ClientSampleId :
HY-SB419A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	279290		
94	13.9	10.0	15.0	
80	14.2	11.2	16.8	

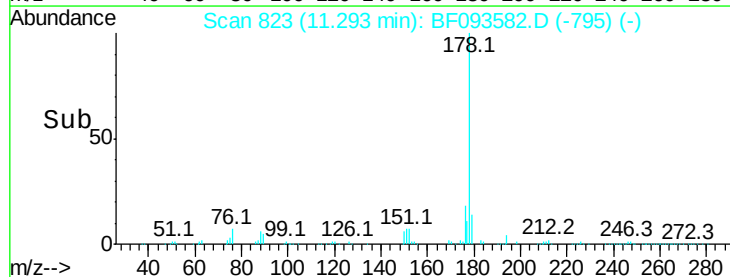
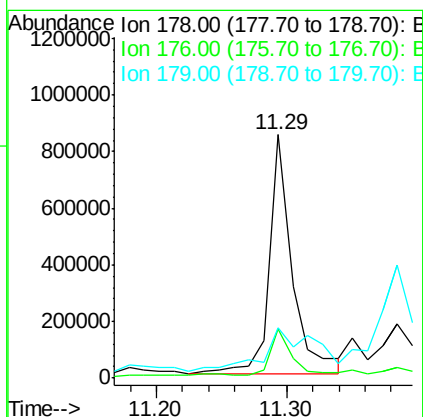
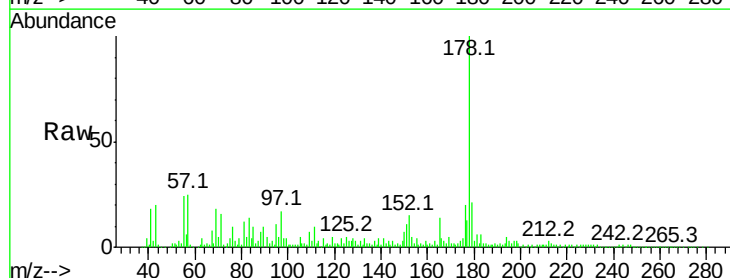
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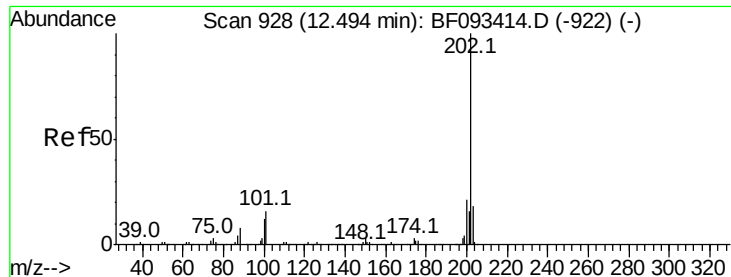
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#70
Phenanthrene
Concen: 66.35 ng
RT: 11.29 min Scan# 823
Delta R.T. 0.02 min
Lab File: BF093582.D
Acq: 11 Mar 2017 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1057700		
176	19.9	16.6	25.0	
179	20.8	12.8	19.2	





#74

Fluoranthene

Concen: 10.36 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

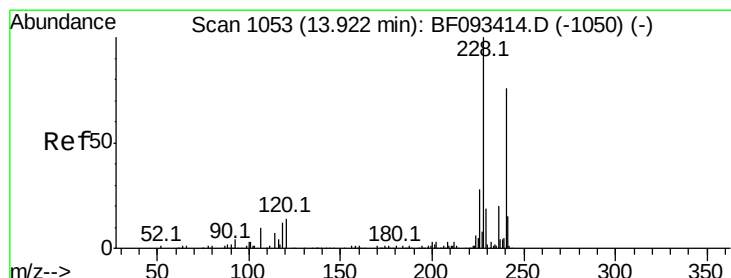
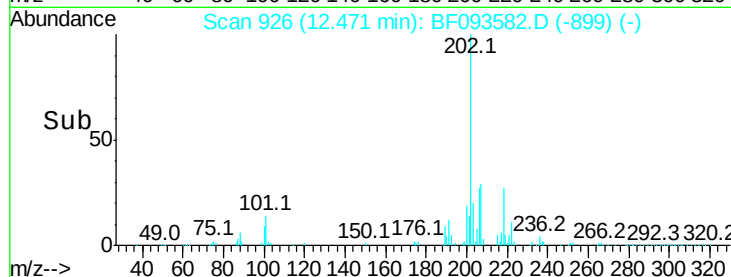
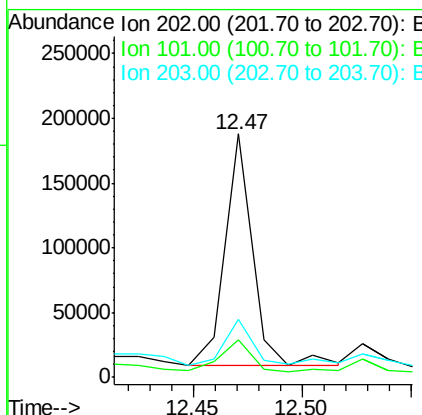
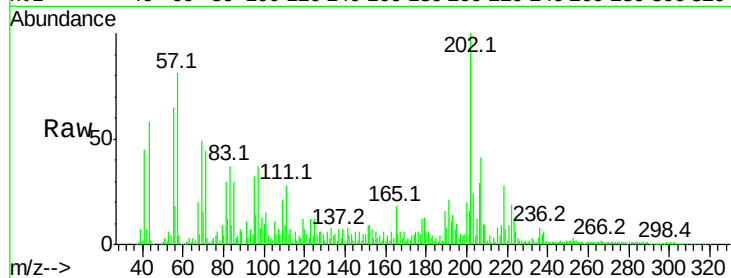
ClientSampled :

HY-SB419A

Tot Ion:	202	Resp:	159593
Ion Ratio	Lower	Upper	
202	100		
101	15.2	0.0	34.6
203	23.8	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

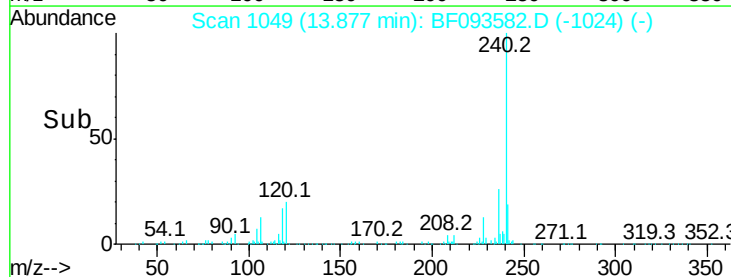
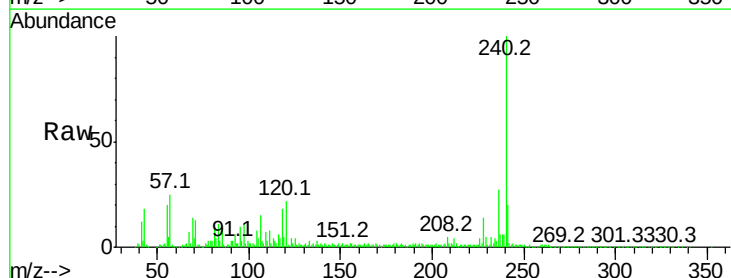
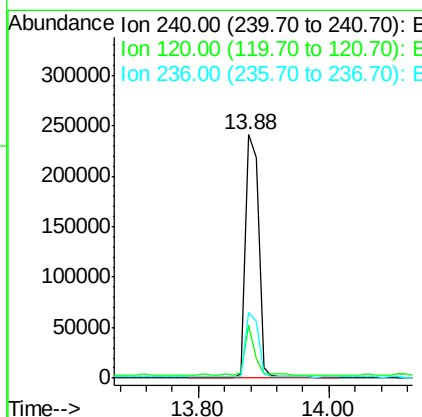
RT: 13.88 min Scan# 1049

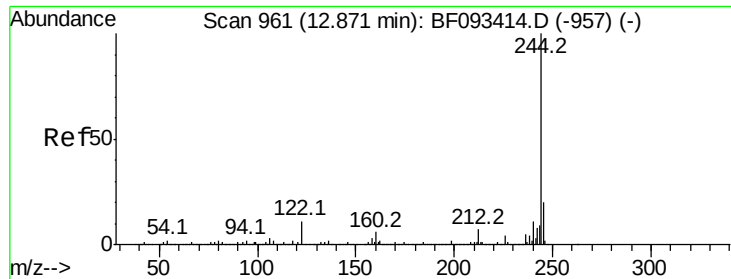
Delta R.T. -0.01 min

Lab File: BF093582.D

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Tgt Ion:	240	Resp:	329505
Ion Ratio	Lower	Upper	
240	100		
120	21.6	12.9	19.3#
236	26.9	20.9	31.3





#78

Terphenyl-d14

Concen: 48.33 ng

RT: 12.82 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

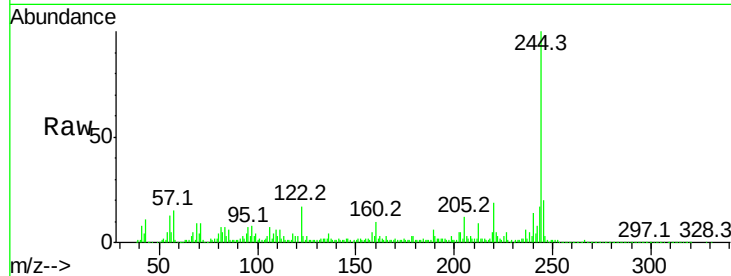
ClientSampleId :

HY-SB419A

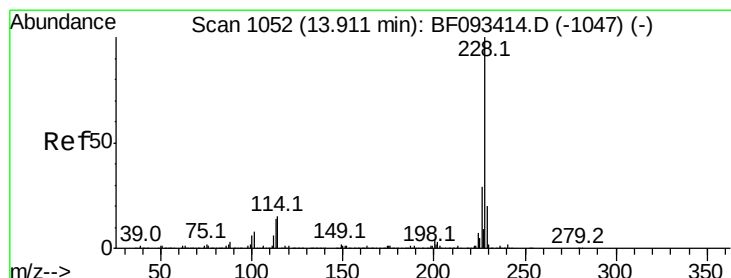
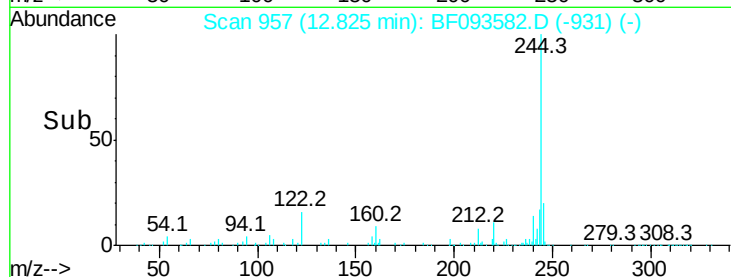
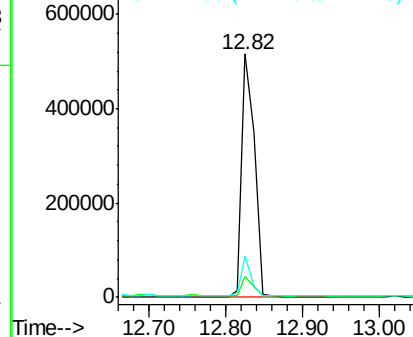
Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.2
122	17.2	11.4	17.2#

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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: 2.46 ng m

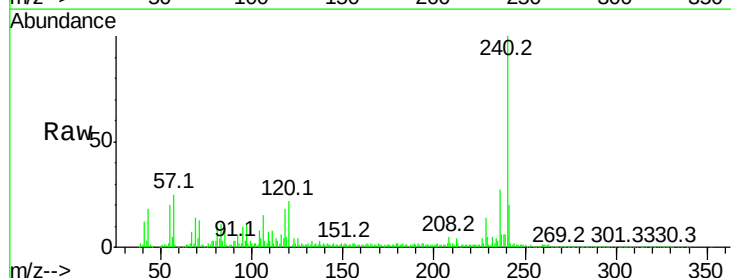
RT: 13.88 min Scan# 1049

Delta R.T. 0.01 min

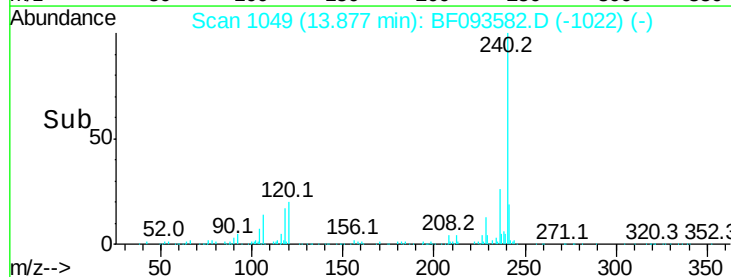
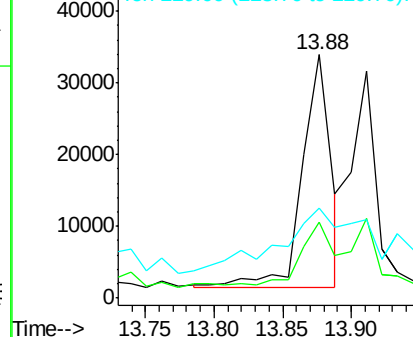
Lab File: BF093582.D

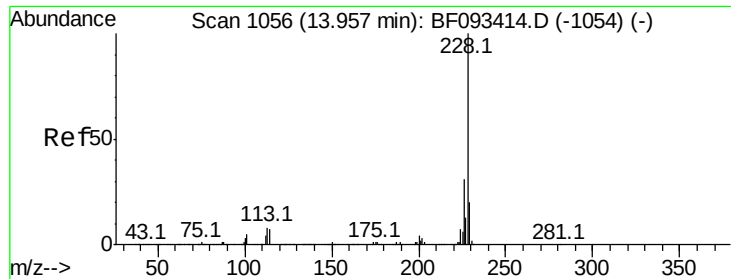
Acq: 11 Mar 2017 22:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.4	33.6
229	37.0	16.2	24.4#



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: 2.12 ng/mL

RT: 13.91 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

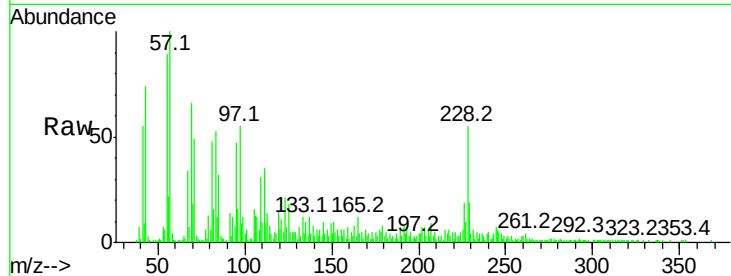
ClientSampleId :

HY-SB419A

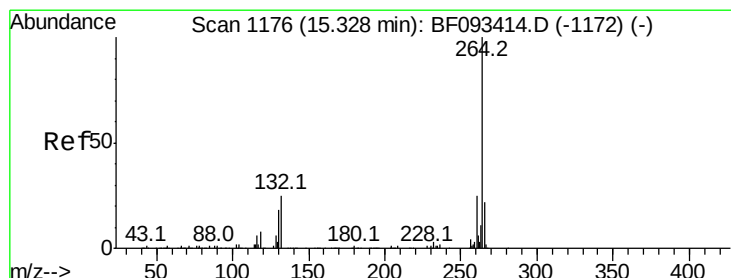
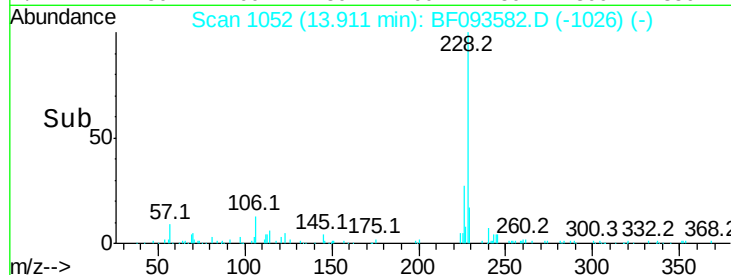
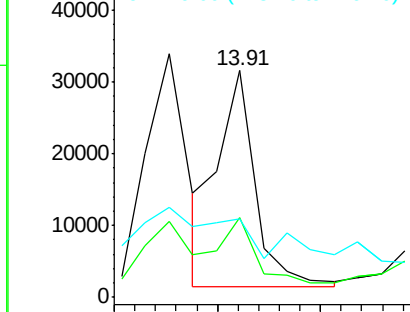
Tot Ion:	228	Resp:	38189
Ion Ratio	Lower	Upper	
228	100		
226	35.1	25.4	38.0
229	34.6	16.2	24.2

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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



#86

Perylene-d12

Concen: 20.00 ng/mL

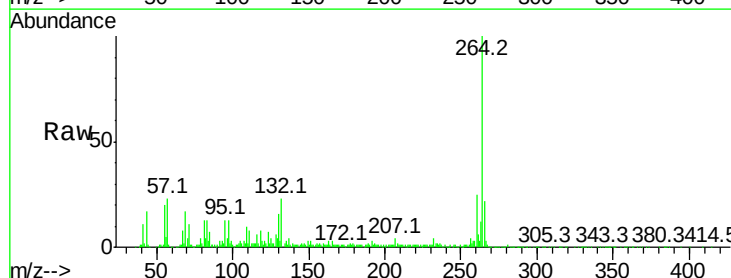
RT: 15.28 min Scan# 1172

Delta R.T. -0.00 min

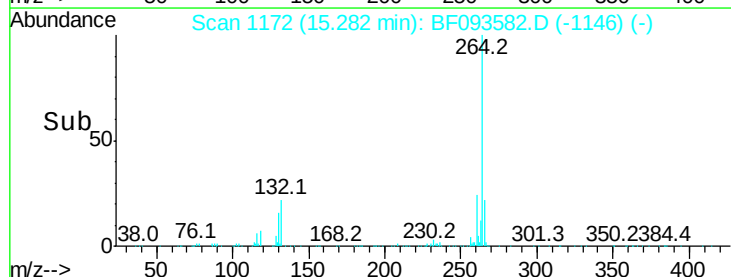
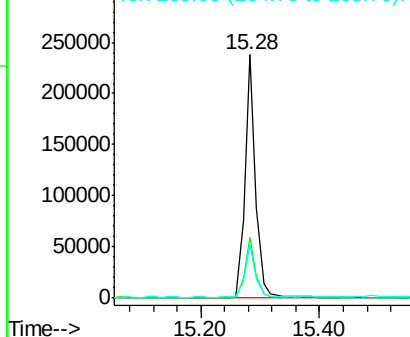
Lab File: BF093582.D

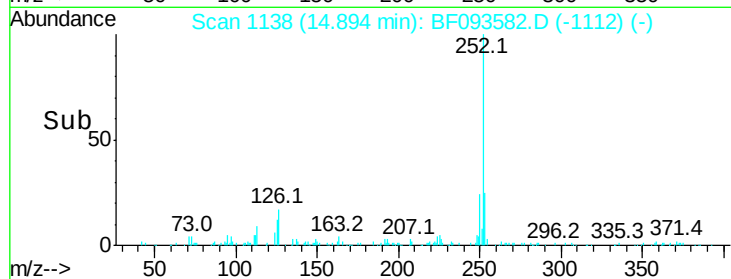
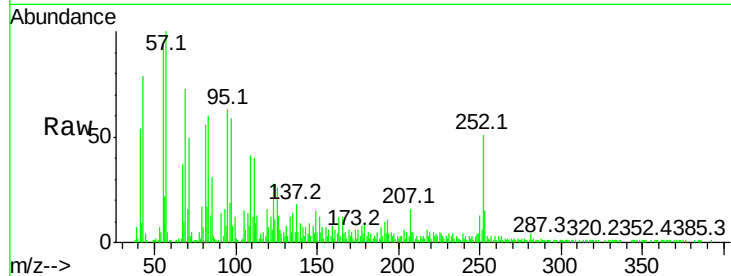
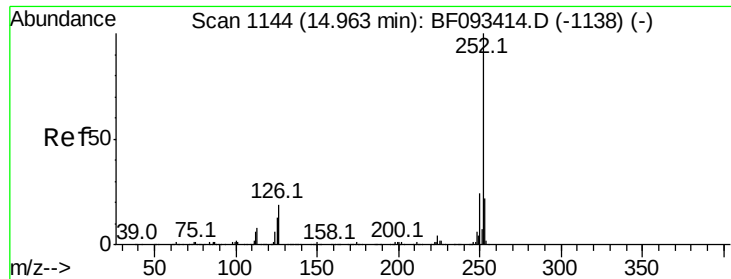
Acq: 11 Mar 2017 22:05

Tgt Ion:	264	Resp:	293284
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	22.1	17.4	26.0



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: 2.46 ng m

RT: 14.89 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BF093582.D

Acq: 11 Mar 2017 22:05

Instrument :

BNA_F

ClientSampleId :

HY-SB419A

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	18.2	27.4#
125	52.0	9.8	14.6#

Manual Integrations
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