

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094386.D
 Acq On : 12 Apr 2017 12:13
 Operator : SJ/MA
 Sample : I2622-05DL 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASEDL

Manual Integrations
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Quant Time: Apr 12 13:55:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	132162	20.00	ng	-0.03
21) Naphthalene-d8	7.35	136	429590	20.00	ng	-0.02
38) Acenaphthene-d10	9.47	164	182966	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	308019	20.00	ng	-0.02
75) Chrysene-d12	14.56	240	280200	20.00	ng	-0.02
86) Perylene-d12	16.18	264	211941	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.37	112	169832	21.70	ng	-0.01
7) Phenol-d6	5.46	99	219695	22.70	ng	0.00
23) Nitrobenzene-d5	6.49	82	117314	15.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.45	330	29316	20.28	ng	-0.02
44) 2-Fluorobiphenyl	8.66	172	220395	18.37	ng	-0.03
78) Terphenyl-d14	13.27	244	160242	12.82	ng	-0.02
Target Compounds						
10) Phenol	5.47	94	604421	54.87	ng	Qvalue 93
17) 2-Methylphenol	6.18	107	1780265	241.69	ng	97
20) 3+4-Methylphenols	6.37	107	3233644	362.47	ng	# 63
27) 2,4-Dimethylphenol	7.00	122	3232629	529.89	ng	97
31) Naphthalene	7.37	128	474268	22.96	ng	100
37) 2-Methylnaphthalene	8.22	142	963316	69.96	ng	99
45) 1,1'-Biphenyl	8.77	154	68700	4.66	ng	98
49) Dimethylphthalate	9.16	163	35743	2.75	ng	# 91
51) Acenaphthene	9.52	154	30892	2.76	ng	# 89
54) Dibenzofuran	9.73	168	62808	4.12	ng	# 81
57) Fluorene	10.15	166	58378	4.62	ng	# 90
70) Phenanthrene	11.33	178	174611	10.19	ng	98
71) Anthracene	11.39	178	52590m	2.98	ng	

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

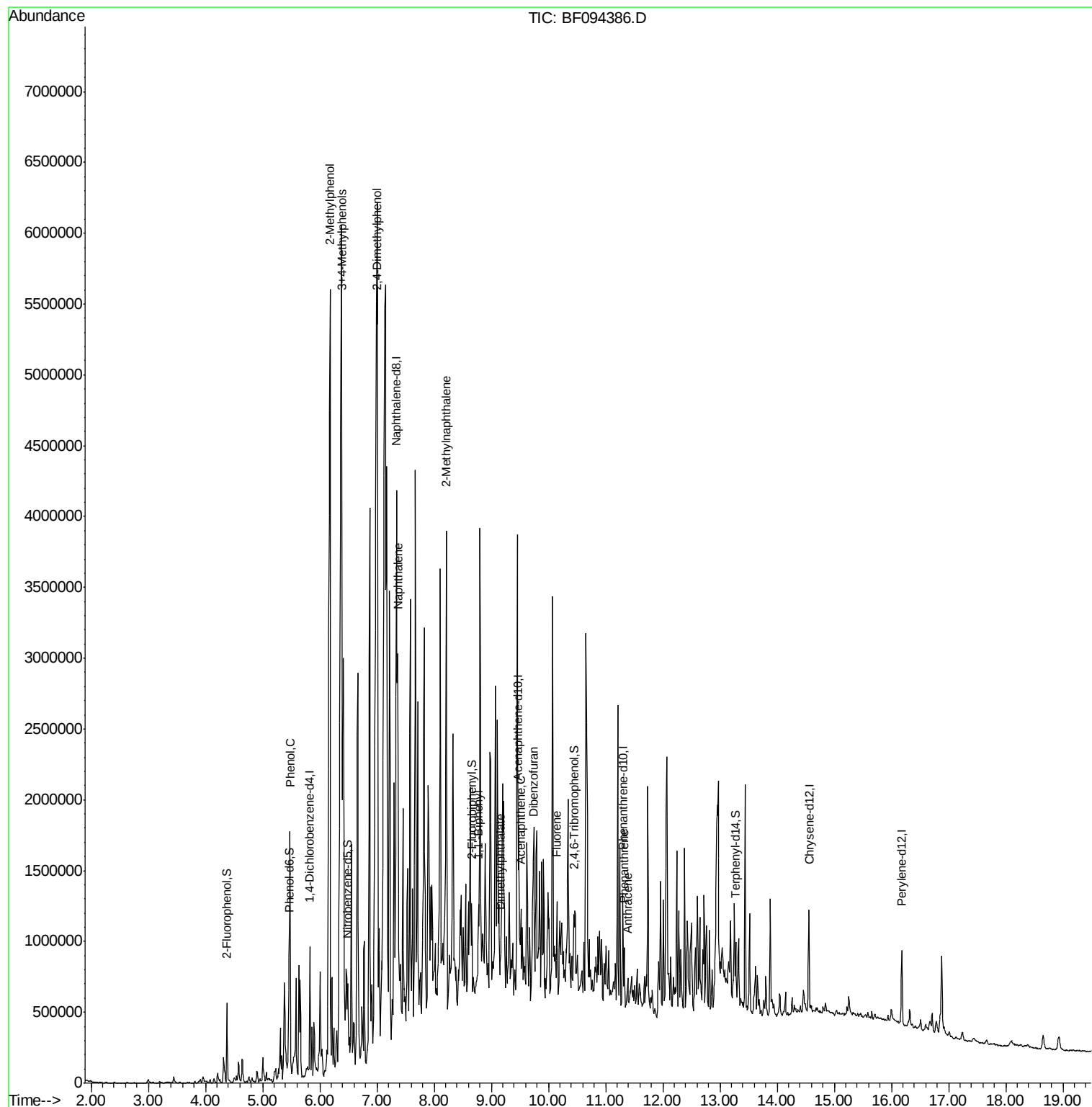
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
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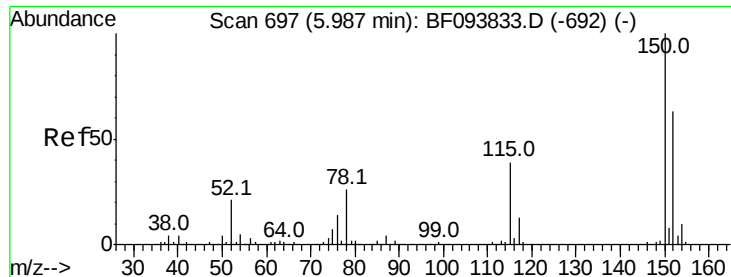
Instrument :
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E2-AA8-BASEDL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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#1

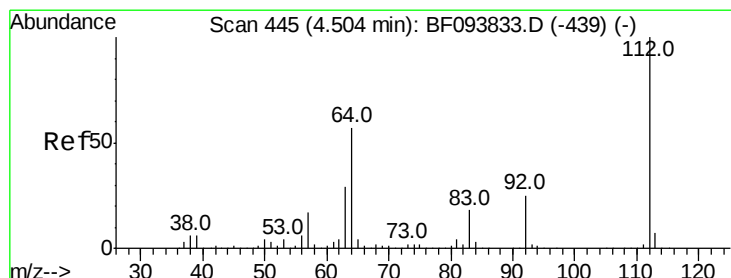
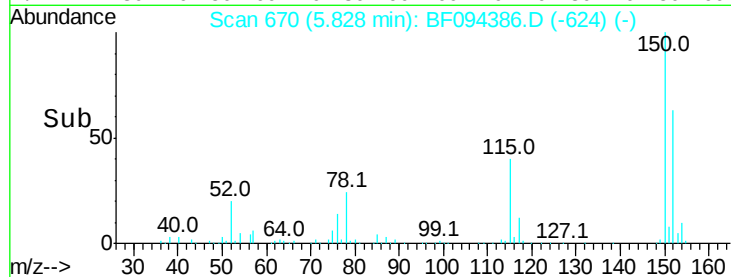
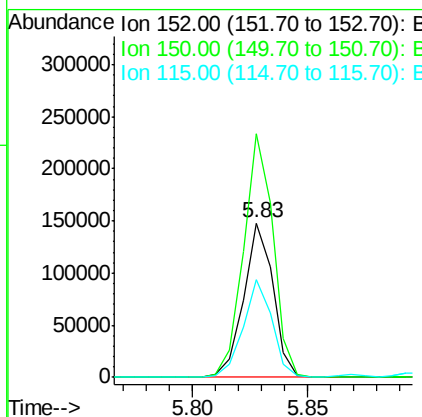
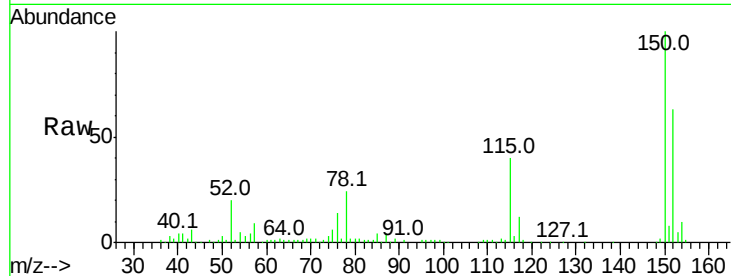
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.83 min Scan# 670
Delta R.T. -0.03 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASEDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	63.5	52.2	78.2

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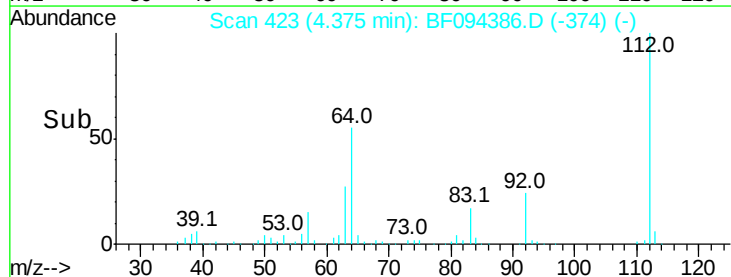
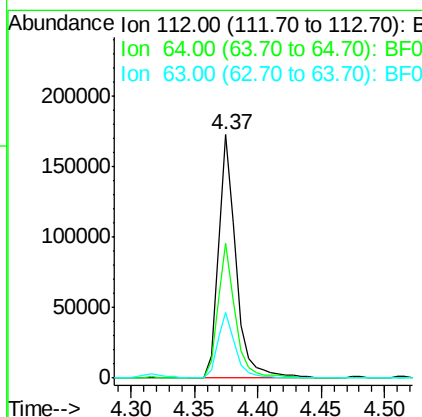
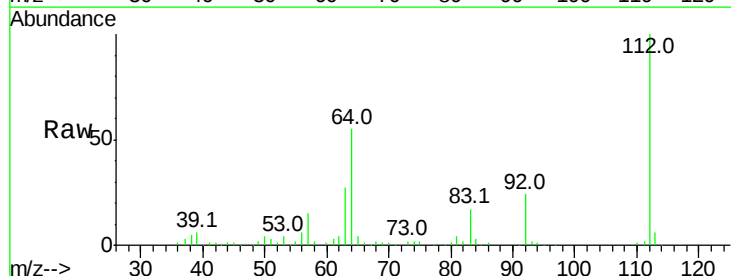
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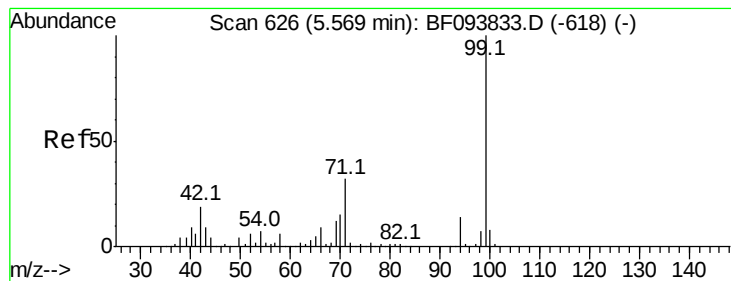


#5

2-Fluorophenol
Concen: 21.70 ng
RT: 4.37 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.0	69.0
63	27.2	23.4	35.0





#7

Phenol-d6

Concen: 22.70 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF094386.D

Acq: 12 Apr 2017 12:13

Instrument :

BNA_F

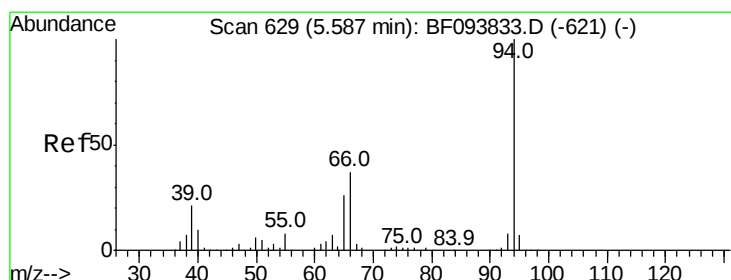
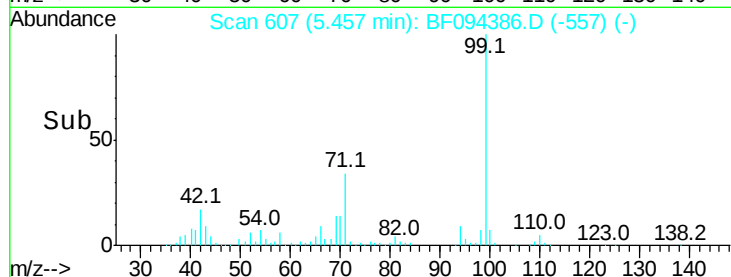
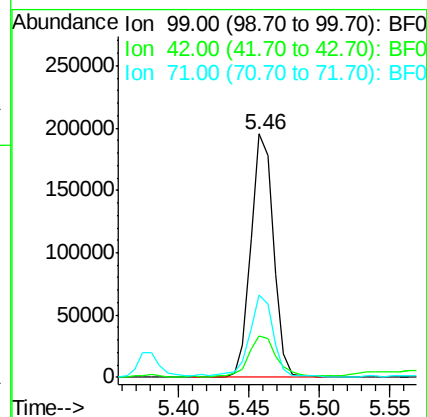
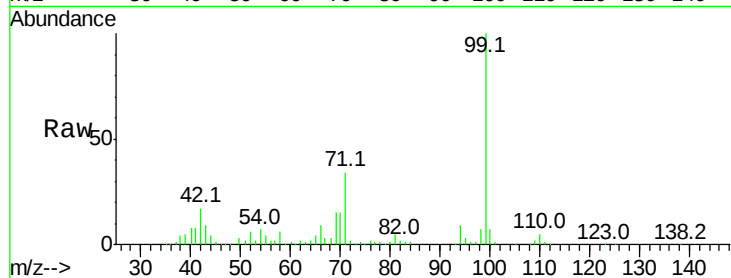
ClientSampleId :

E2-AA8-BASEDL

Tot Ion:	99	Resp:	219695
Ion Ratio	Lower	Upper	
99	100		
42	17.1	13.5	20.3
71	33.9	24.5	36.7

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#10

Phenol

Concen: 54.87 ng

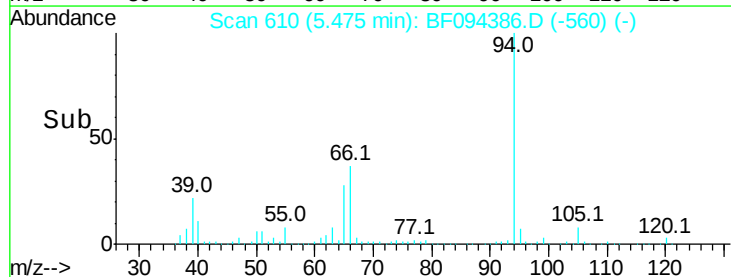
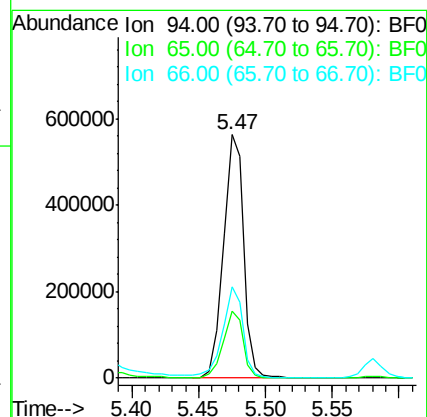
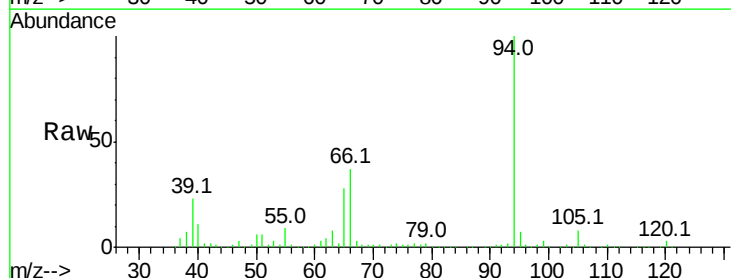
RT: 5.47 min Scan# 610

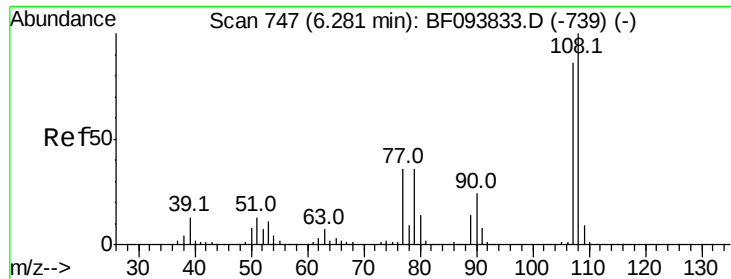
Delta R.T. -0.01 min

Lab File: BF094386.D

Acq: 12 Apr 2017 12:13

Tgt Ion:	94	Resp:	604421
Ion Ratio	Lower	Upper	
94	100		
65	27.6	9.9	49.9
66	37.3	23.1	63.1





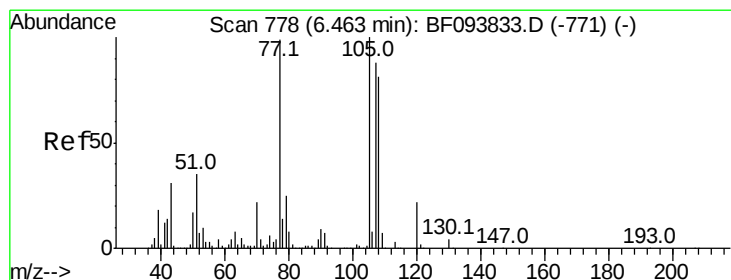
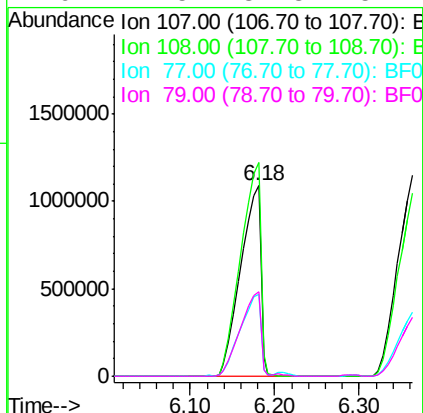
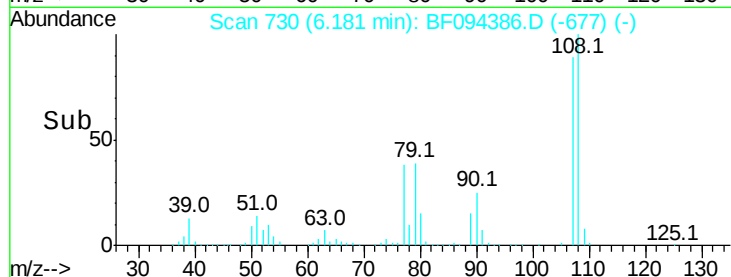
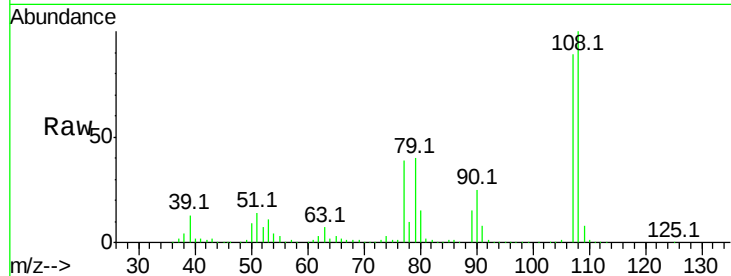
#17
2-Methylphenol
Concen: 241.69 ng
RT: 6.18 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASEDL

Tot Ion:107 Resp: 1780265
Ion Ratio Lower Upper
107 100
108 112.3 93.4 140.0
77 43.3 35.8 53.6
79 44.5 34.8 52.2

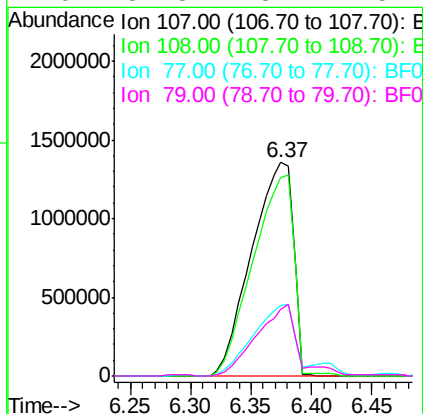
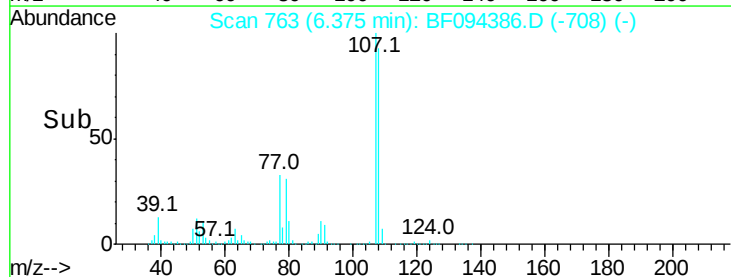
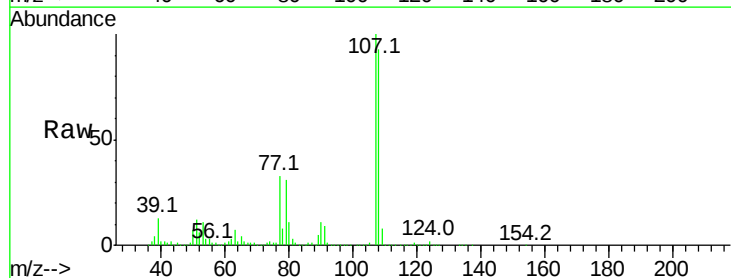
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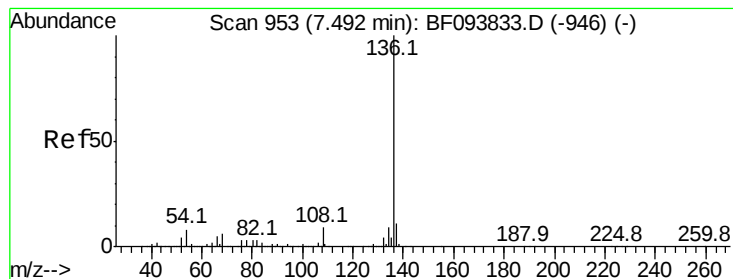
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#20
3+4-Methylphenols
Concen: 362.47 ng
RT: 6.37 min Scan# 763
Delta R.T. 0.02 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Tgt Ion:107 Resp: 3233644
Ion Ratio Lower Upper
107 100
108 93.1 71.0 111.0
77 33.1 90.5 130.5#
79 31.3 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.35 min Scan# 928

Delta R.T. -0.02 min

Lab File: BF094386.D

Acq: 12 Apr 2017 12:13

Instrument :

BNA_F

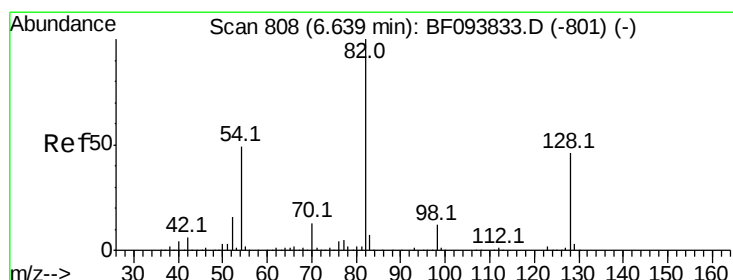
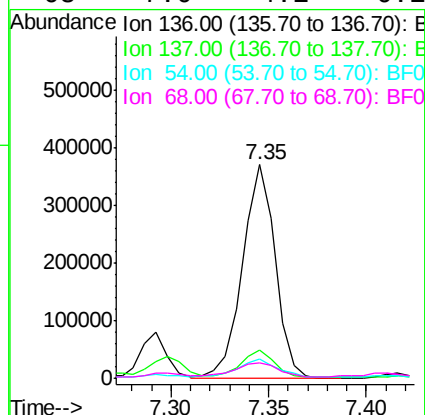
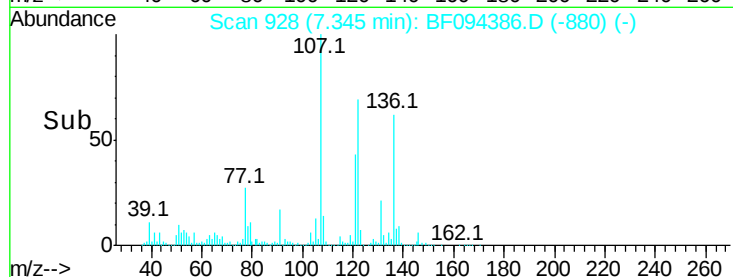
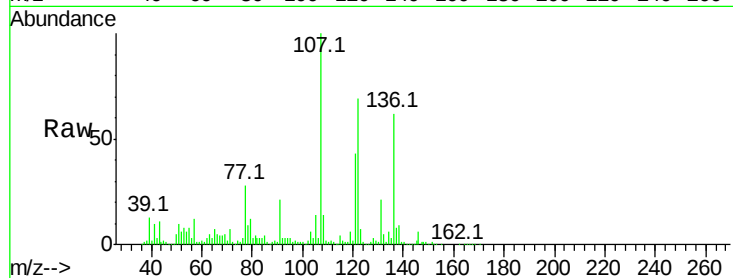
ClientSampleId :

E2-AA8-BASEDL

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	13.0	8.5	12.7#
54	9.3	4.9	7.3#
68	7.0	4.1	6.1#

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#23

Nitrobenzene-d5

Concen: 15.58 ng

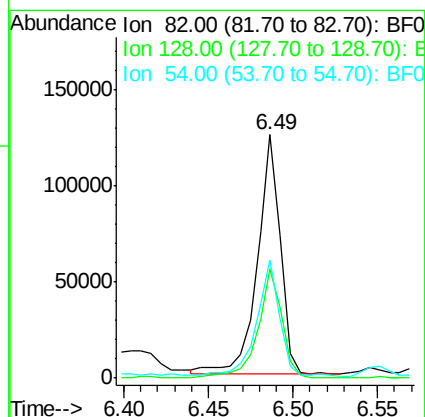
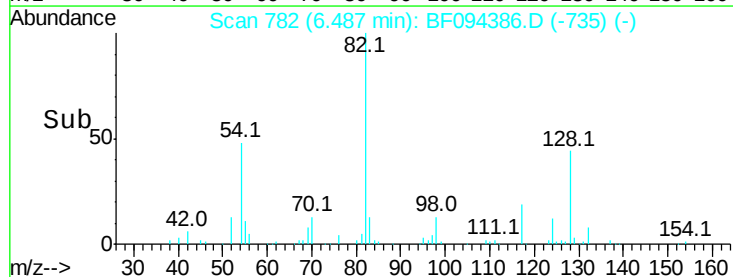
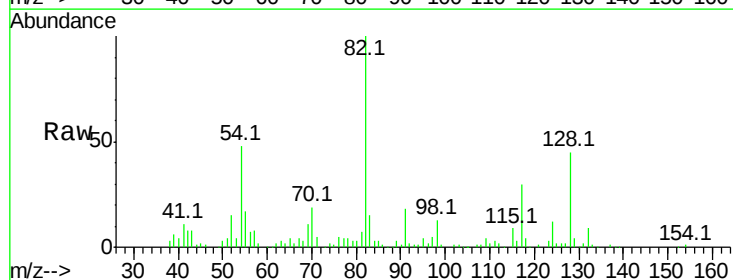
RT: 6.49 min Scan# 782

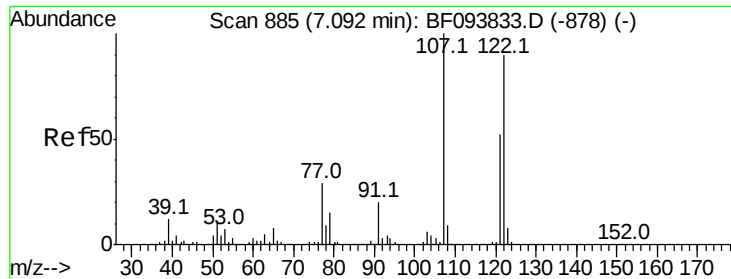
Delta R.T. -0.02 min

Lab File: BF094386.D

Acq: 12 Apr 2017 12:13

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.9	34.0	51.0
54	48.4	42.2	63.2





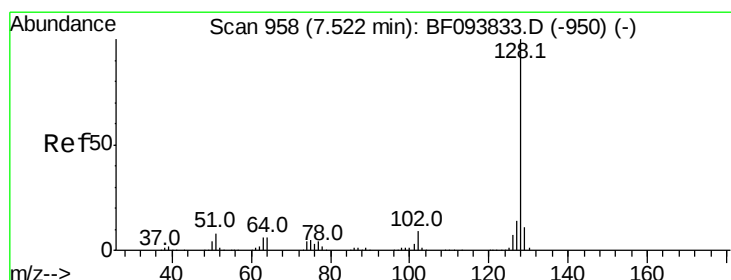
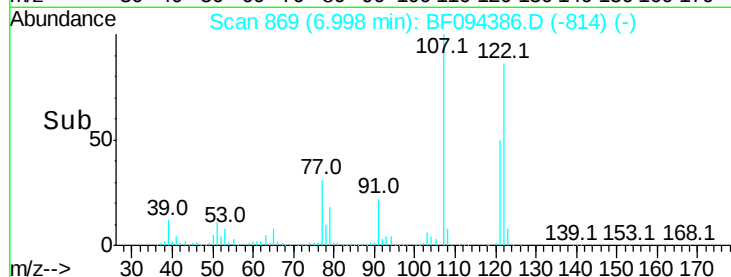
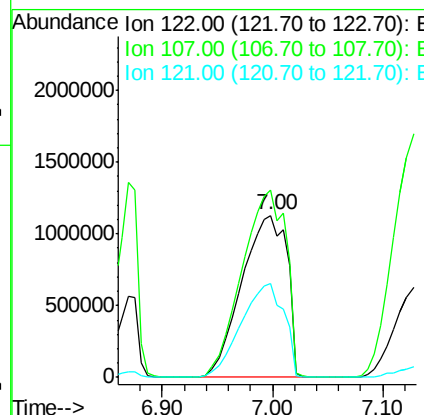
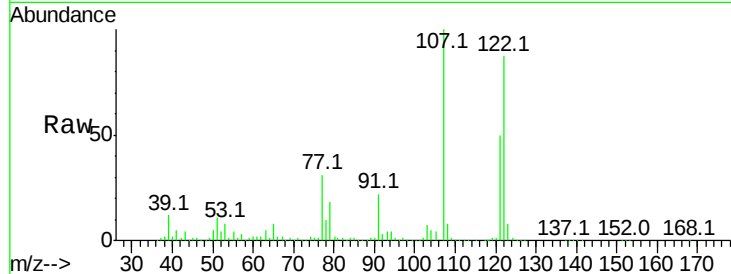
#27
2,4-Dimethylphenol
Concen: 529.89 ng
RT: 7.00 min Scan# 869
Delta R.T. 0.02 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASEDL

Tot Ion:122 Resp: 3232629
Ion Ratio Lower Upper
122 100
107 115.5 89.2 133.8
121 57.9 45.2 67.8

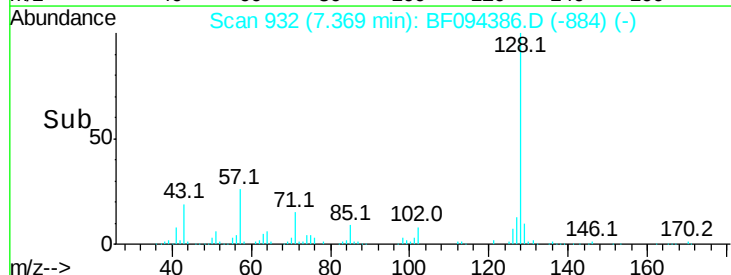
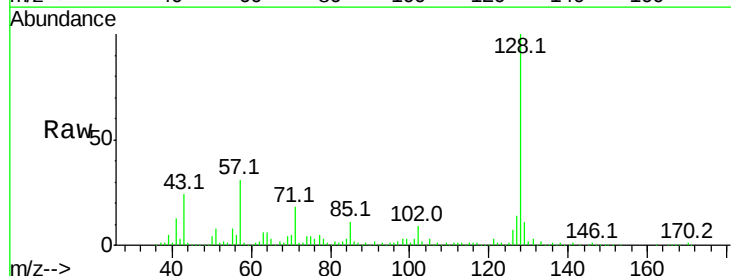
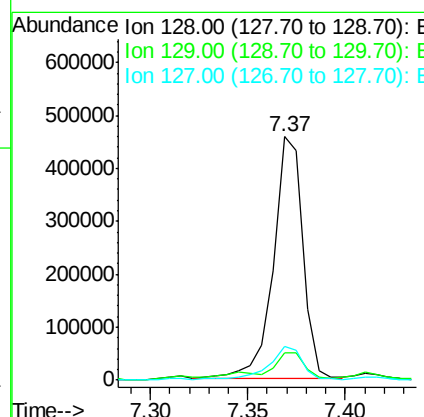
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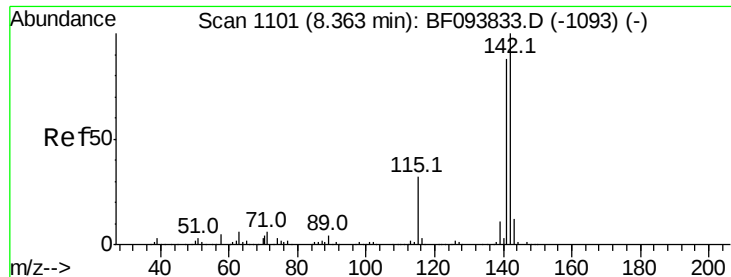
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#31
Naphthalene
Concen: 22.96 ng
RT: 7.37 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Tgt Ion:128 Resp: 474268
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.6 10.8 16.2





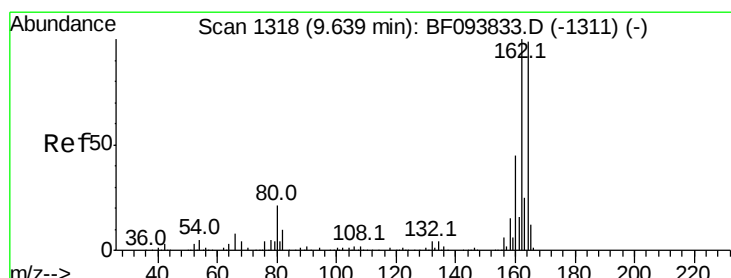
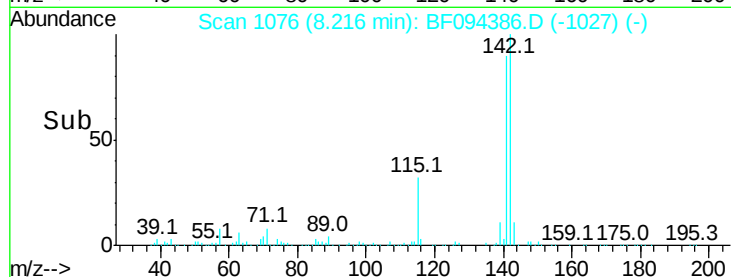
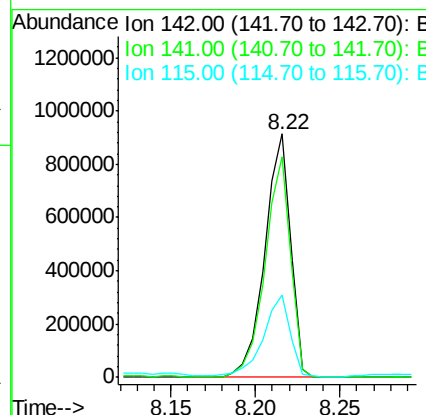
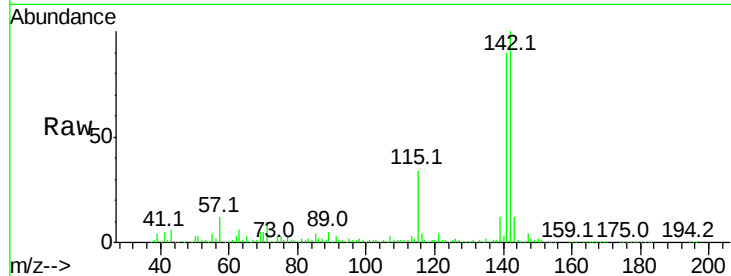
#37
2-Methylnaphthalene
Concen: 69.96 ng
RT: 8.22 min Scan# 1076
Delta R.T. -0.01 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASEDL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	963316		
141	90.4	71.3	106.9	
115	34.0	27.1	40.7	

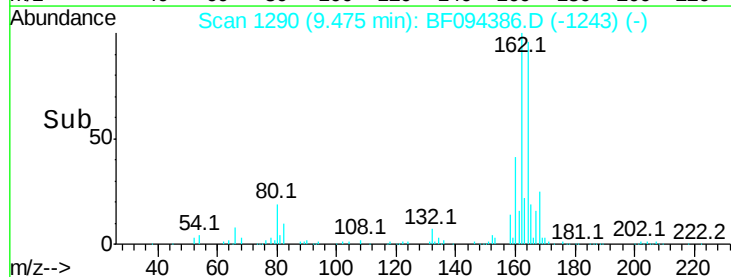
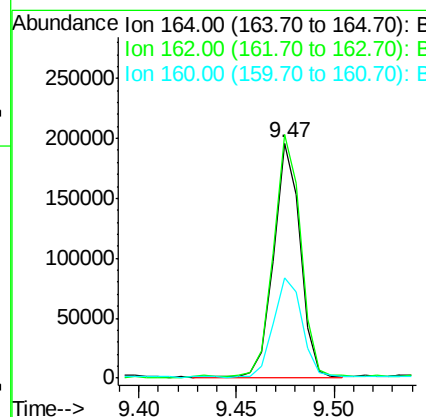
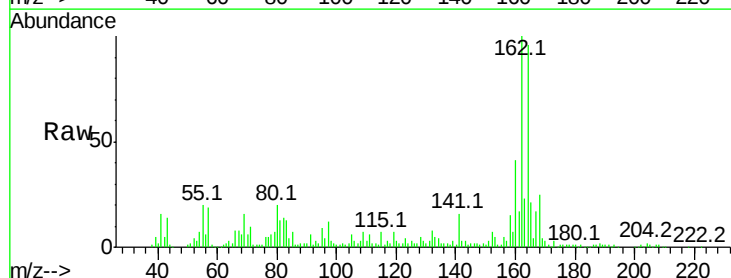
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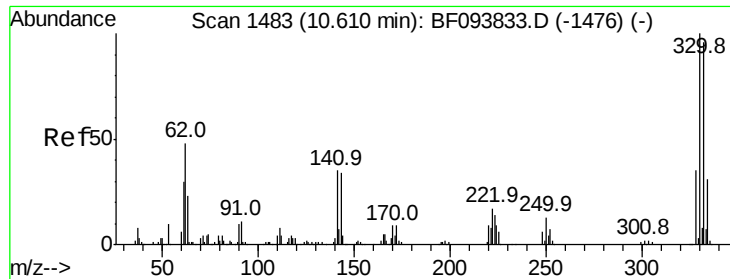
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	182966		
162	103.8	82.6	123.8	
160	42.9	36.2	54.2	





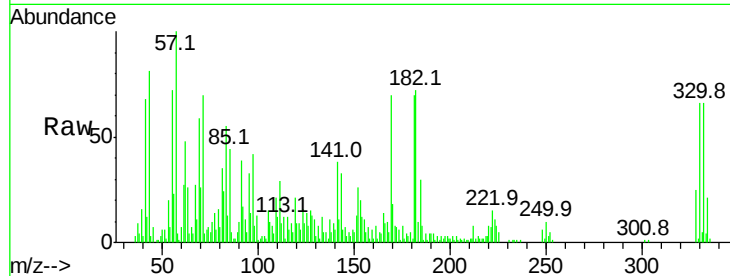
#41
 2,4,6-Tribromophenol
 Concen: 20.28 ng
 RT: 10.45 min Scan# 1456
 Delta R.T. -0.02 min
 Lab File: BF094386.D
 Acq: 12 Apr 2017 12:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASEDL

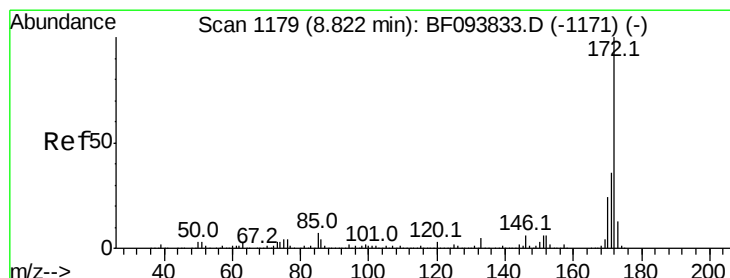
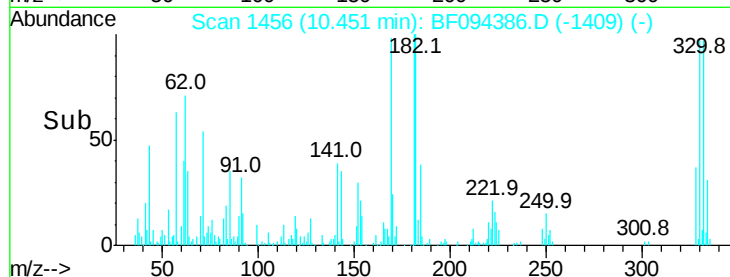
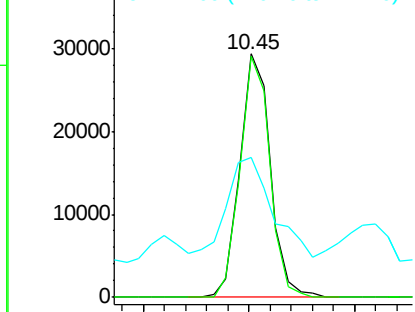
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	60.6	31.4	47.2#

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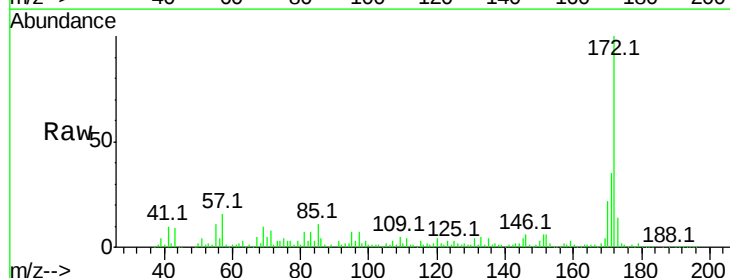


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

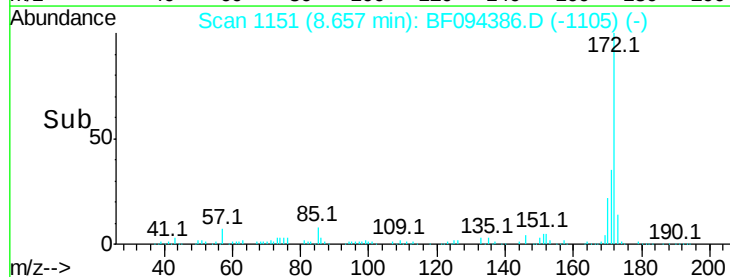
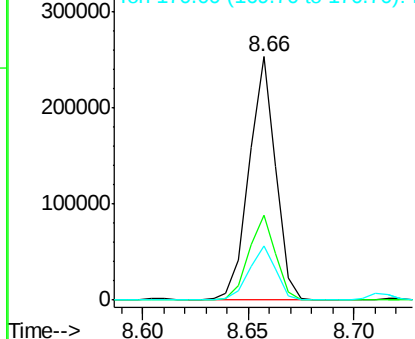


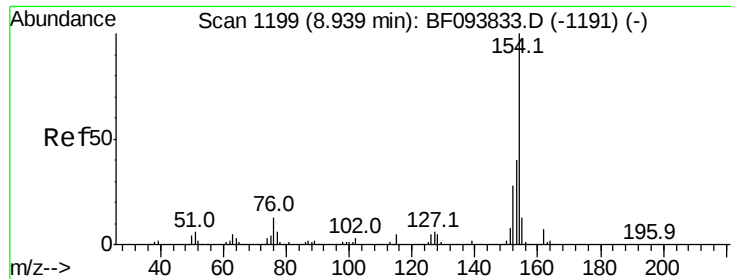
#44
 2-Fluorobiphenyl
 Concen: 18.37 ng
 RT: 8.66 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF094386.D
 Acq: 12 Apr 2017 12:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	22.5	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





#45

1,1'-Biphenyl

Concen: 4.66 ng

RT: 8.77 min Scan# 1171

Delta R.T. -0.03 min

Lab File: BF094386.D

Acq: 12 Apr 2017 12:13

Instrument :

BNA_F

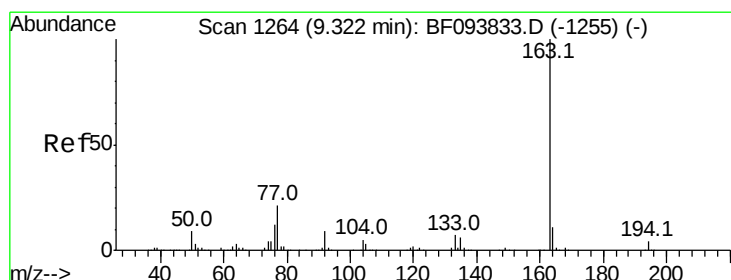
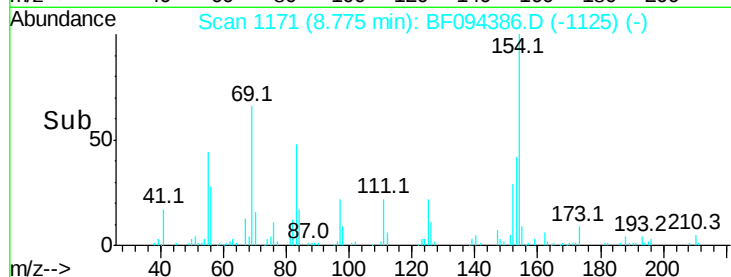
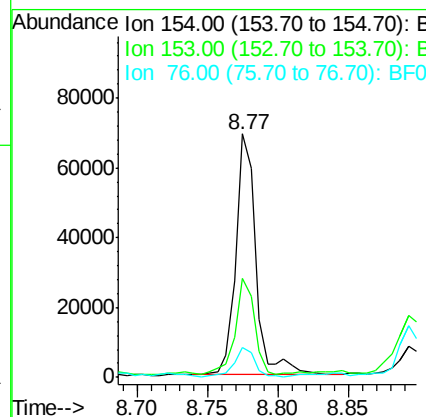
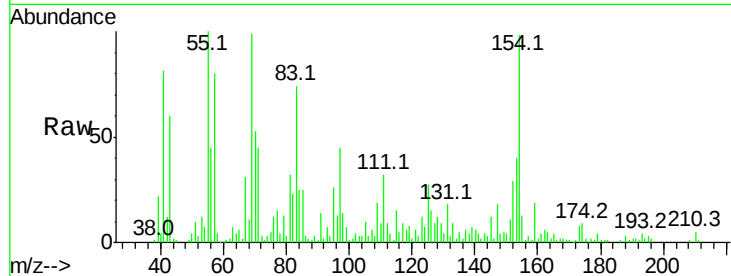
ClientSampleId :

E2-AA8-BASEDL

Tot Ion:	154	Resp:	68700
Ion Ratio	Lower	Upper	
154	100		
153	40.6	21.2	61.2
76	12.3	0.0	29.9

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#49

Dimethylphthalate

Concen: 2.75 ng

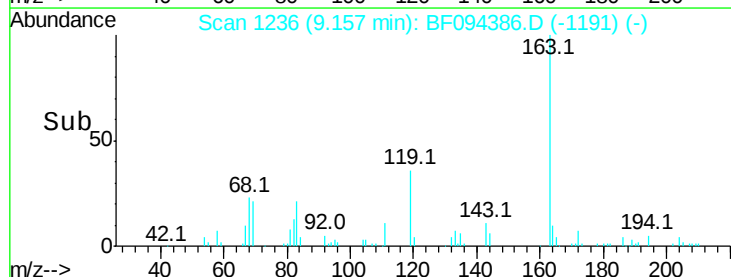
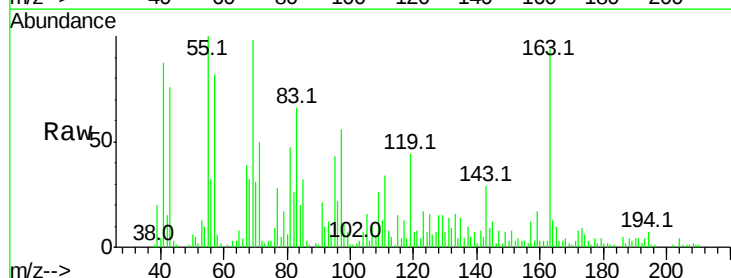
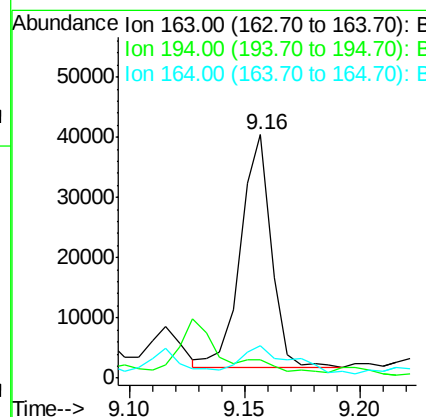
RT: 9.16 min Scan# 1236

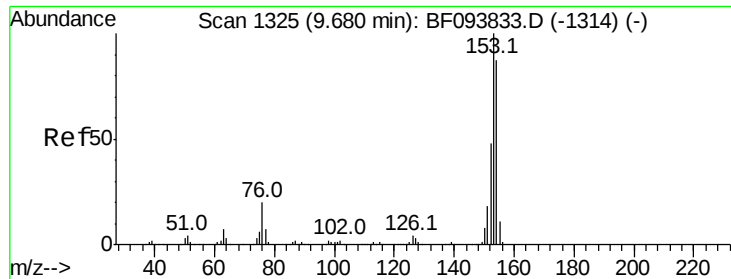
Delta R.T. -0.04 min

Lab File: BF094386.D

Acq: 12 Apr 2017 12:13

Tgt Ion:	163	Resp:	35743
Ion Ratio	Lower	Upper	
163	100		
194	7.5	2.6	4.0#
164	13.3	8.4	12.6#





#51

Acenaphthene

Concen: 2.76 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF094386.D

Acq: 12 Apr 2017 12:13

Instrument :

BNA_F

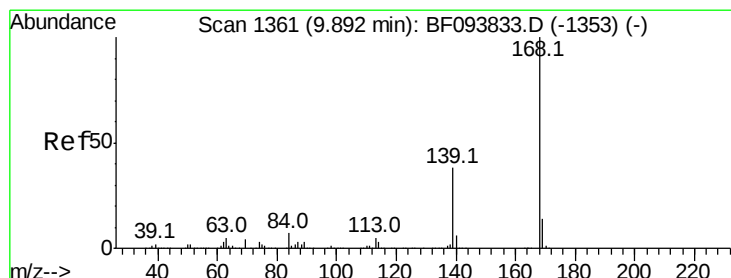
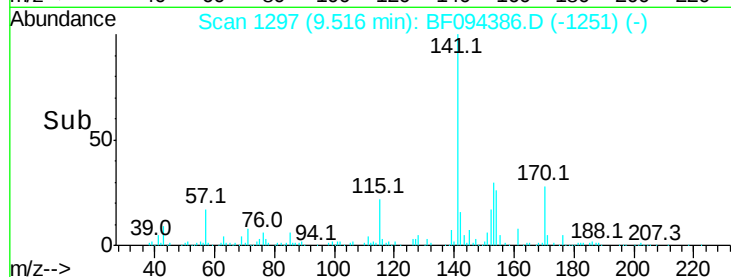
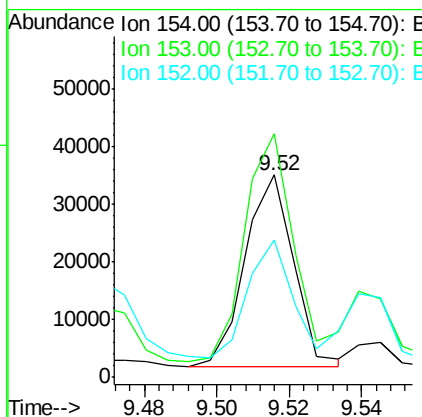
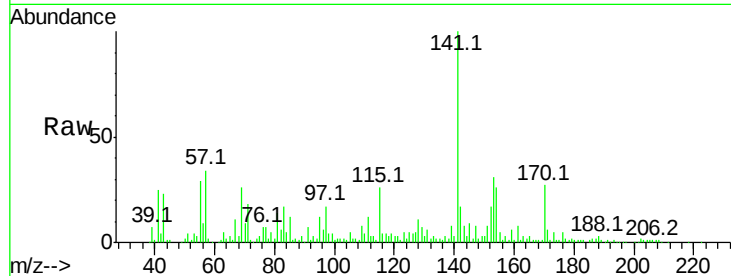
ClientSampleId :

E2-AA8-BASEDL

Tot Ion:	154	Resp:	30892
Ion Ratio	Lower	Upper	
154	100		
153	120.4	90.5	135.7
152	67.7	43.6	65.4#

Manual Integrations
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#54

Dibenzofuran

Concen: 4.12 ng

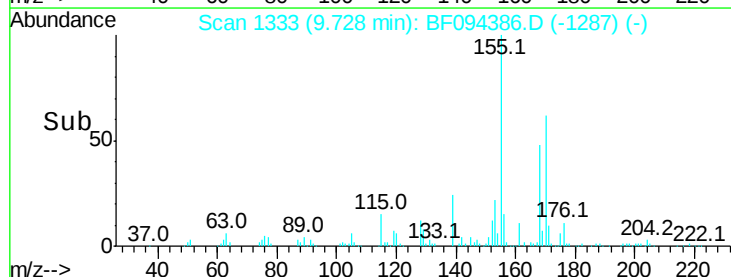
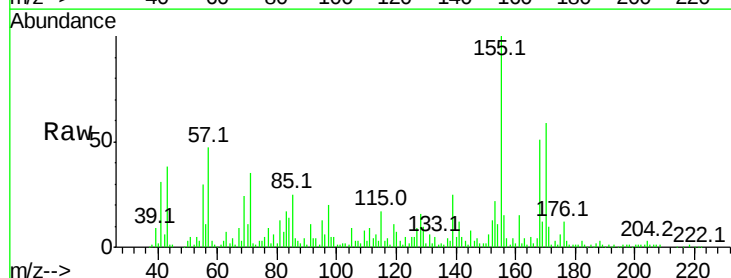
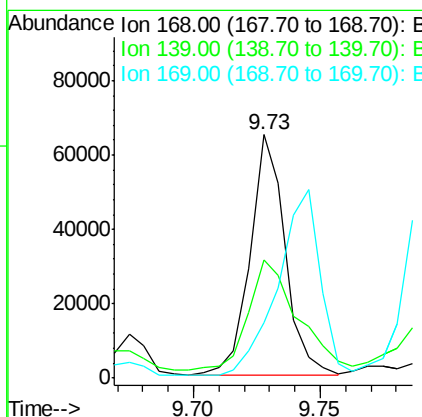
RT: 9.73 min Scan# 1333

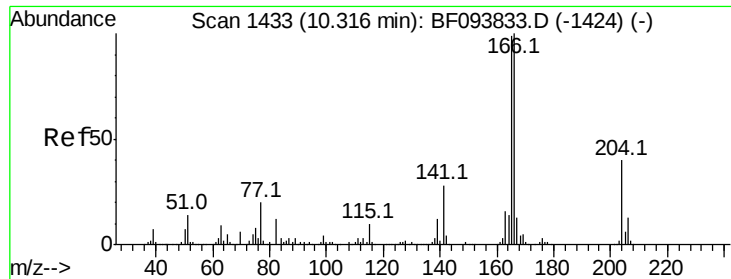
Delta R.T. -0.03 min

Lab File: BF094386.D

Acq: 12 Apr 2017 12:13

Tgt Ion:	168	Resp:	62808
Ion Ratio	Lower	Upper	
168	100		
139	48.6	30.6	45.8#
169	22.6	10.8	16.2#





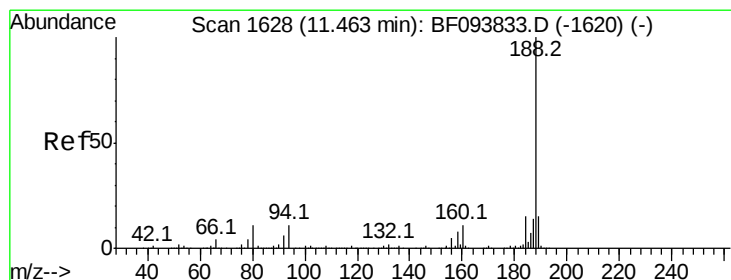
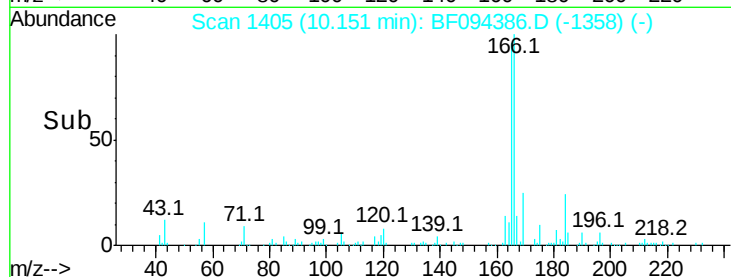
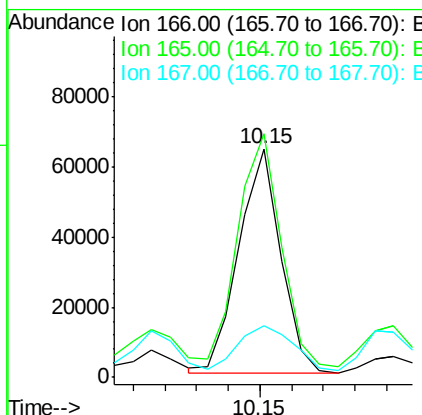
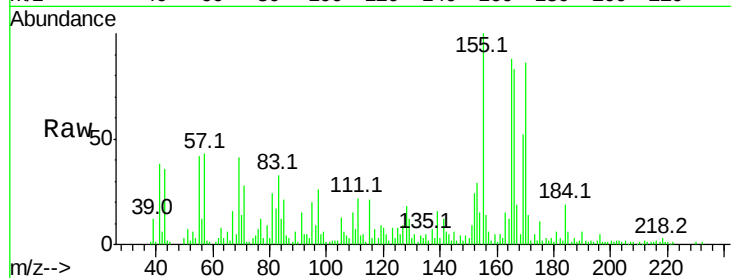
#57
Fluorene
 Concen: 4.62 ng
 RT: 10.15 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF094386.D
 Acq: 12 Apr 2017 12:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA8-BASEDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.6	78.8	118.2
167	22.5	10.6	16.0

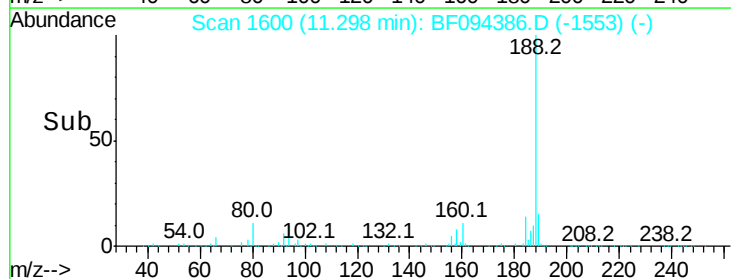
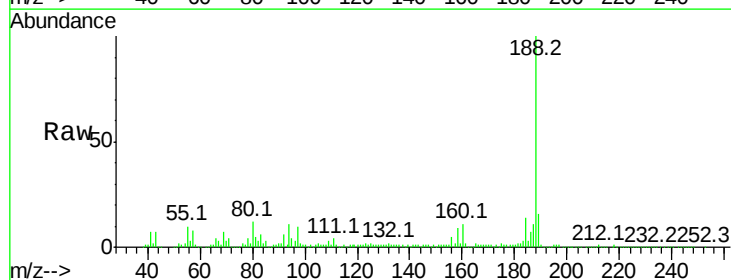
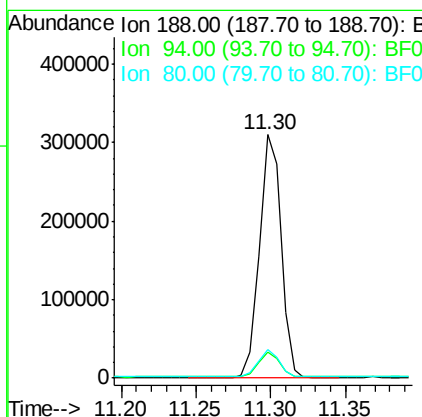
Manual Integrations
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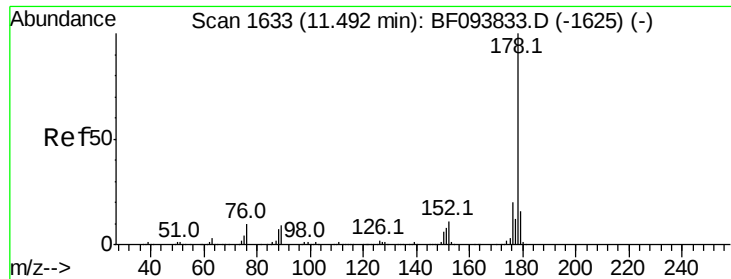
mohammad
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1600
 Delta R.T. -0.02 min
 Lab File: BF094386.D
 Acq: 12 Apr 2017 12:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.9	10.2	15.2





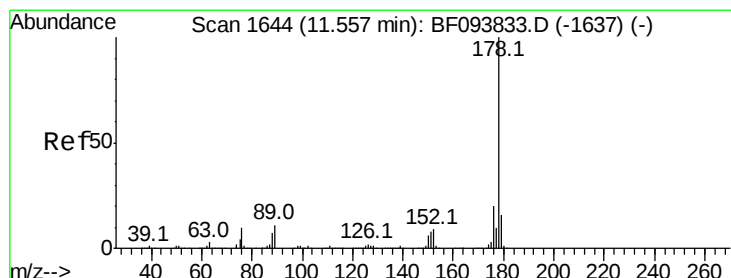
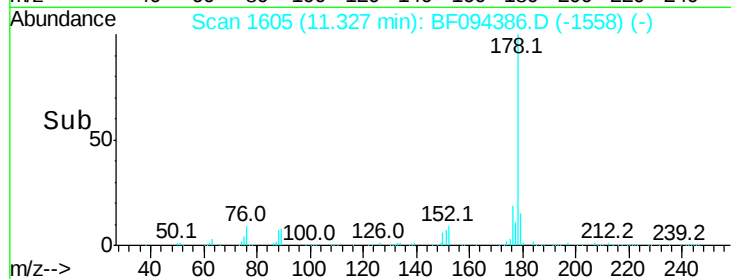
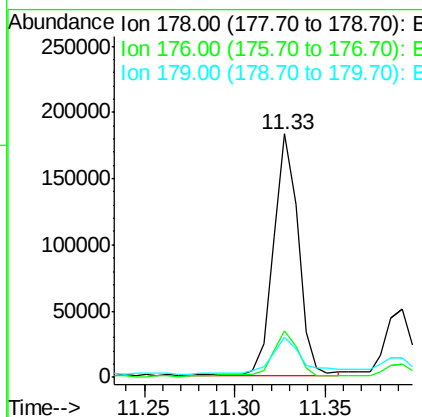
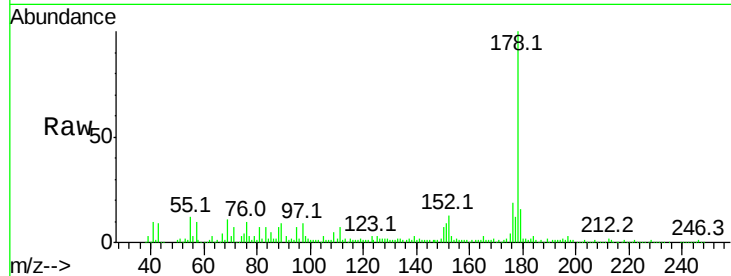
#70
Phenanthrene
Concen: 10.19 ng
RT: 11.33 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASEDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	16.5	12.6	19.0

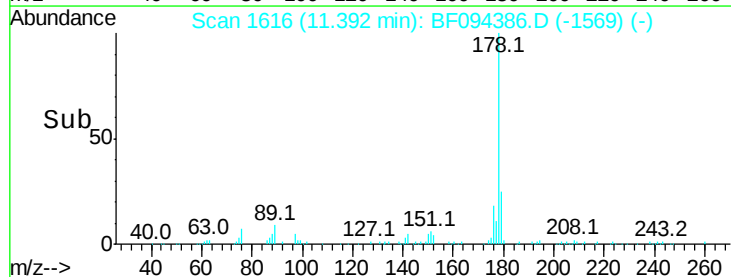
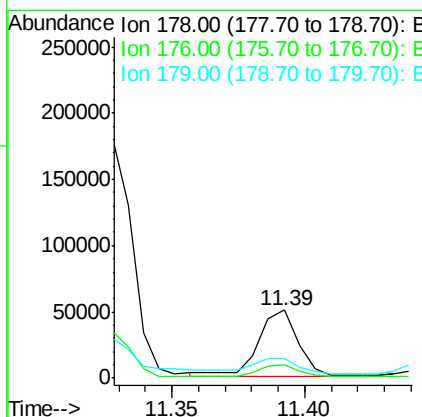
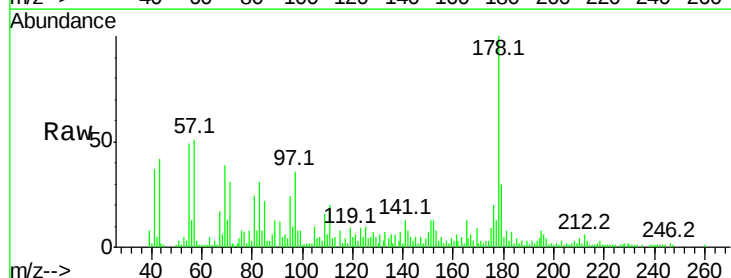
Manual Integrations
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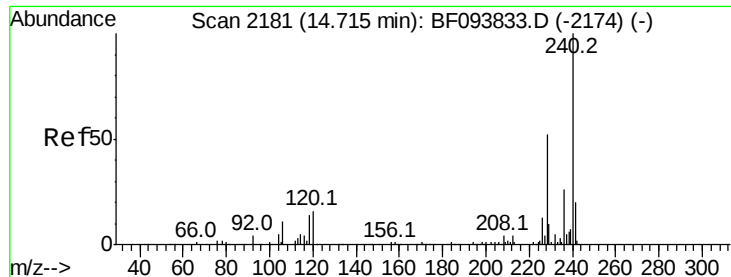
mohammad
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#71
Anthracene
Concen: 2.98 ng m
RT: 11.39 min Scan# 1616
Delta R.T. -0.02 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	29.7	12.7	19.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.56 min Scan# 2154

Delta R.T. -0.02 min

Lab File: BF094386.D

Acq: 12 Apr 2017 12:13

Instrument :

BNA_F

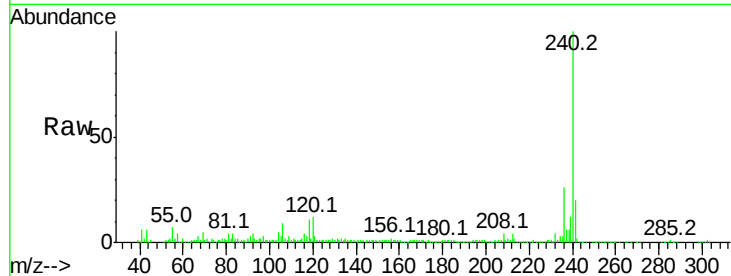
ClientSampleId :

E2-AA8-BASEDL

Tot Ion:	240	Resp:	280200
Ion Ratio	Lower	Upper	
240	100		
120	12.5	5.8	8.8#
236	25.8	20.5	30.7

Manual Integrations
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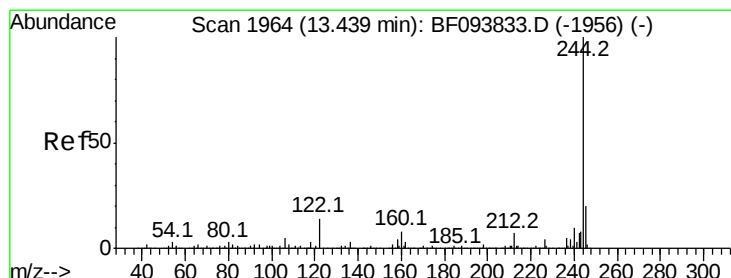
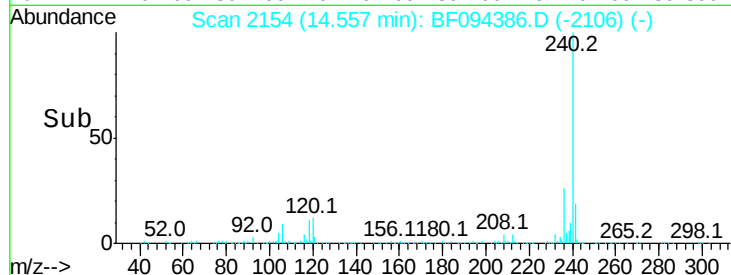
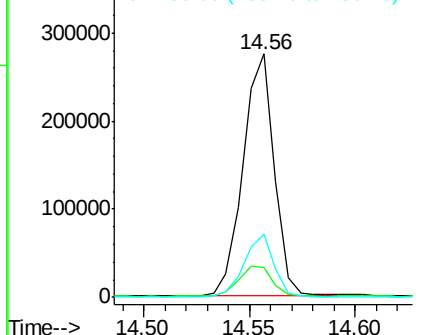
mohammad
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 12.82 ng

RT: 13.27 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BF094386.D

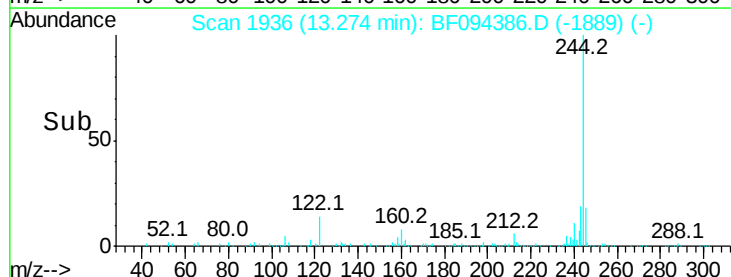
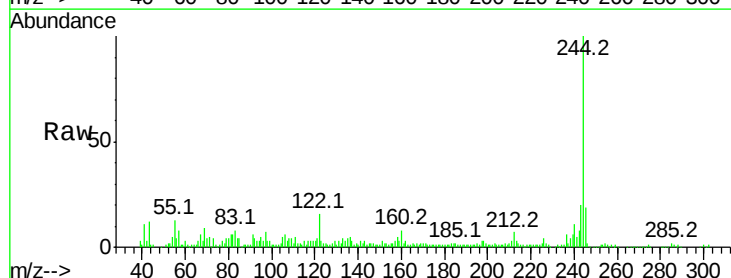
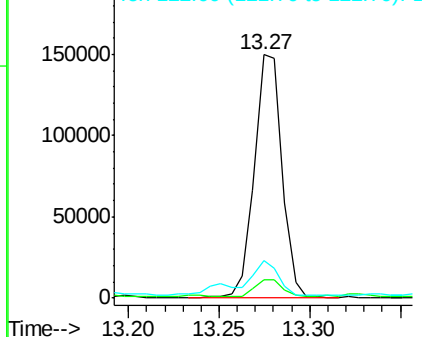
Acq: 12 Apr 2017 12:13

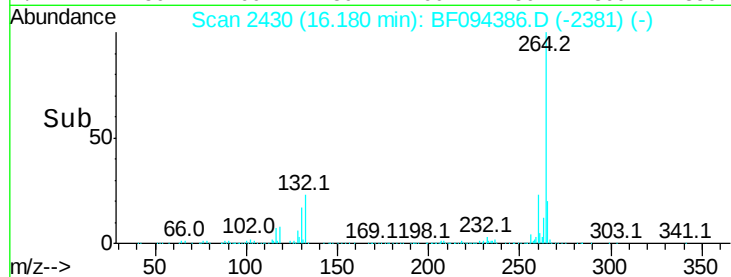
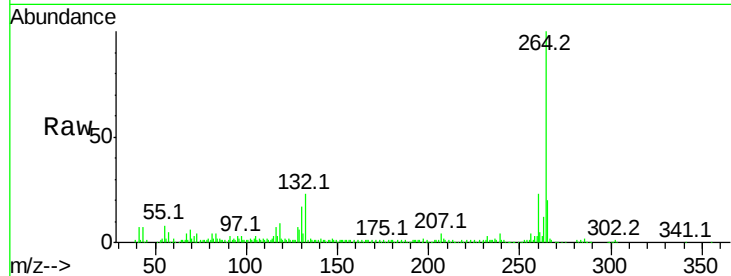
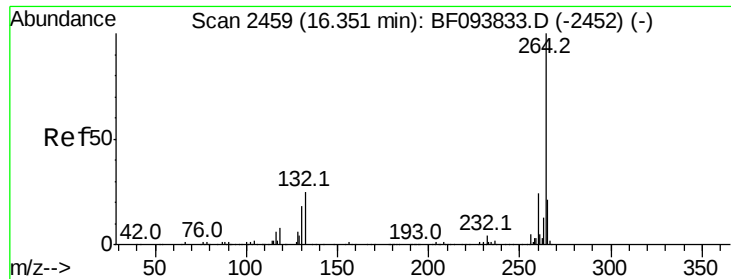
Tgt Ion:	244	Resp:	160242
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	15.5	10.3	15.5#

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





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BF094386.D
Acq: 12 Apr 2017 12:13

Instrument :
BNA_F
ClientSampleId :
E2-AA8-BASEDL

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.3	19.5	29.3	
265	20.3	17.2	25.8	

Manual Integrations
APPROVED

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