

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093444.D
 Acq On : 8 Mar 2017 22:29
 Operator : SJ/MA
 Sample : I2126-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z7-WSW

Manual Integrations
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mohammad
 3/10/2017 8:12:02 AM

Quant Time: Mar 09 00:30:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	180408m	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	720602m	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	332155m	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	625194	20.00	ng	0.00
75) Chrysene-d12	13.93	240	474884	20.00	ng	0.01
86) Perylene-d12	15.34	264	327359	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1122077	103.52	ng	0.01
7) Phenol-d6	6.41	99	1409270	103.10	ng	0.00
23) Nitrobenzene-d5	7.34	82	933401	71.87	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	244472	112.97	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1341703	75.13	ng	-0.01
78) Terphenyl-d14	12.87	244	1057595	57.90	ng	0.00
Target Compounds						
10) Phenol	6.44	94	151846	9.07	ng	Qvalue # 70
17) 2-Methylphenol	7.04	107	167644	16.32	ng	93
20) 3+4-Methylphenols	7.20	107	311477m	23.38	ng	
27) 2,4-Dimethylphenol	7.73	122	243952	22.52	ng	95
31) Naphthalene	8.07	128	86637	2.40	ng	# 83
49) Dimethylphthalate	9.52	163	321589	14.60	ng	# 98
70) Phenanthrene	11.32	178	77774	2.18	ng	98
74) Fluoranthene	12.51	202	76620	2.22	ng	96

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

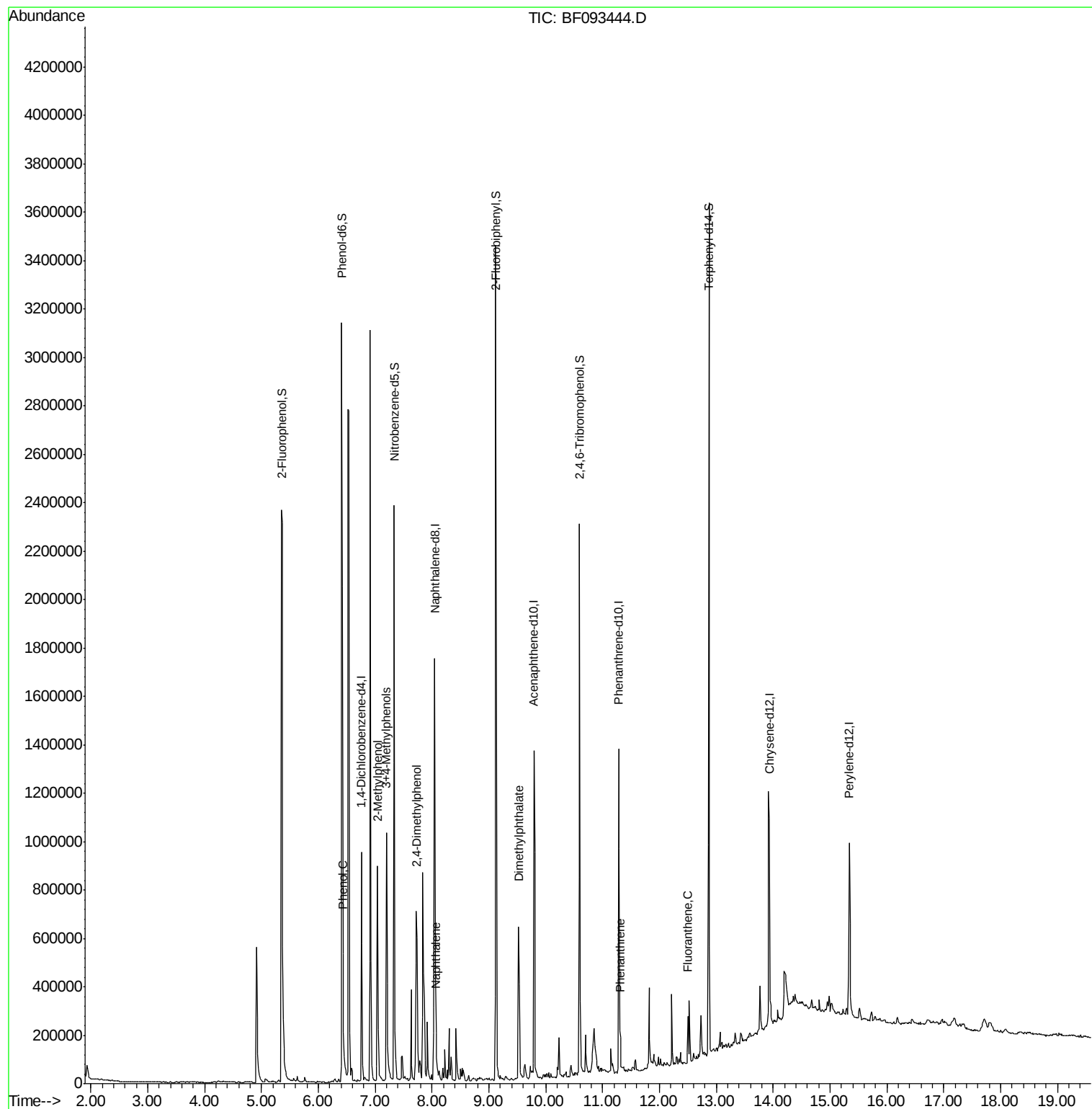
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093444.D
Acq On : 8 Mar 2017 22:29
Operator : SJ/MA
Sample : I2126-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

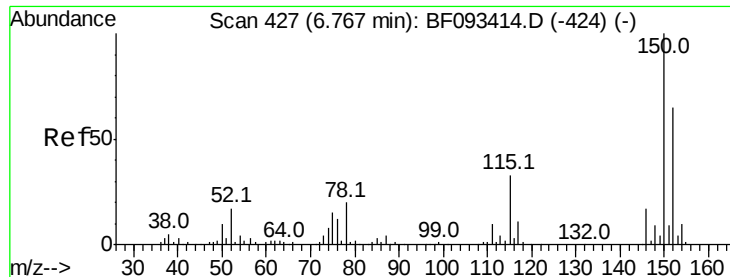
Instrument :
BNA_F
ClientSampleId :
E2-Z7-WSW

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#1

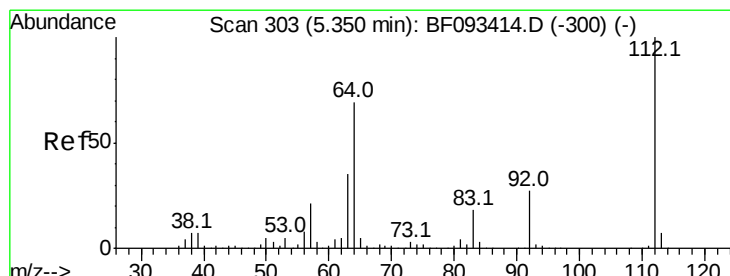
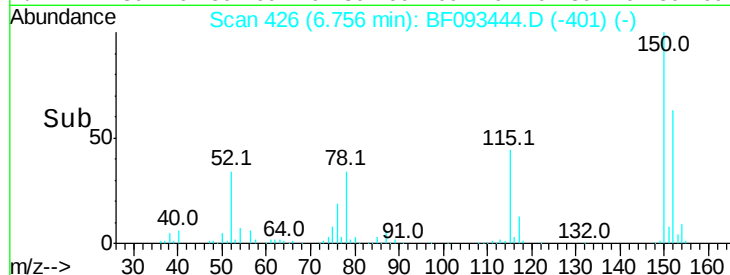
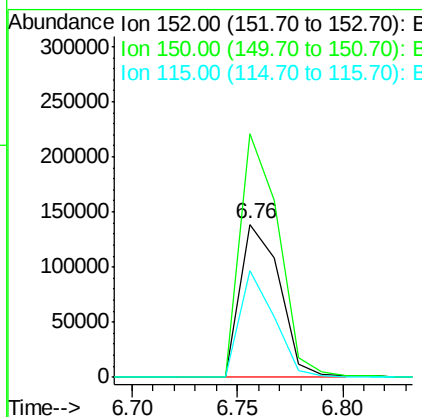
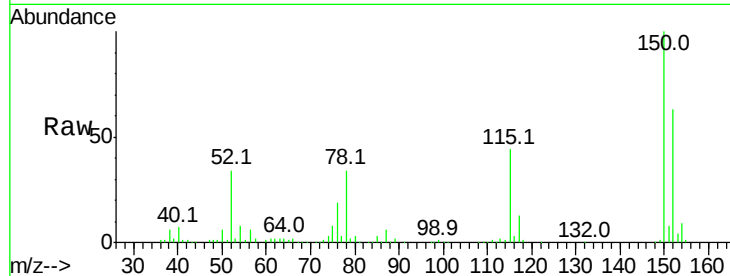
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.76 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-Z7-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.9	187.3
115	70.1	46.0	69.0

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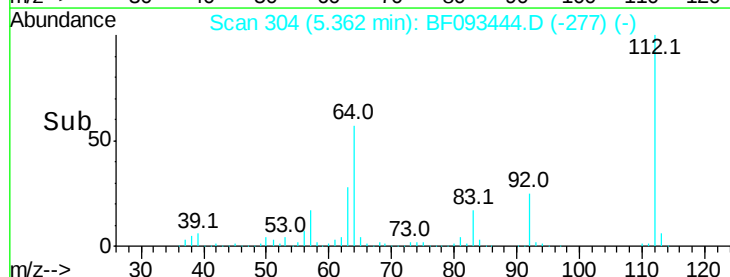
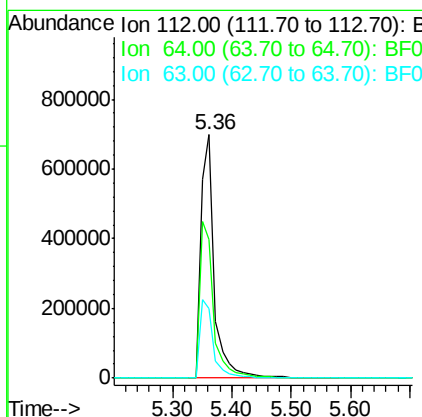
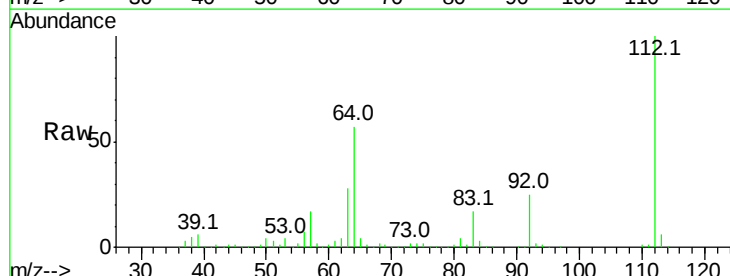
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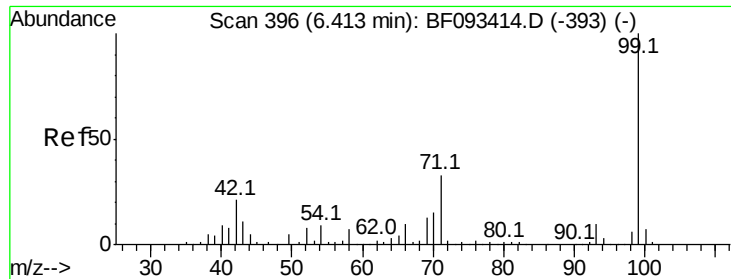


#5

2-Fluorophenol
Concen: 103.52 ng
RT: 5.36 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.1	69.1
63	28.4	23.8	35.6





#7

Phenol-d6

Concen: 103.10 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampled :

E2-Z7-WSW

Tot Ion: 99 Resp: 1409270

Ion Ratio Lower Upper

99 100

42 21.5 15.6 23.4

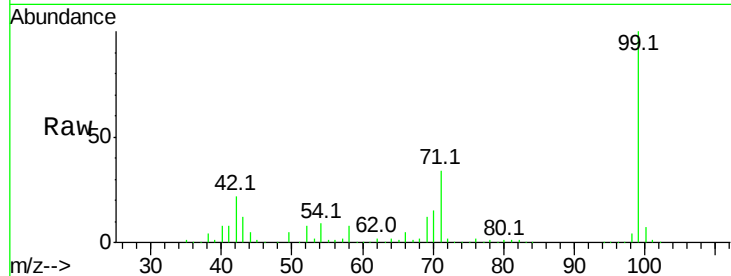
71 33.6 27.5 41.3

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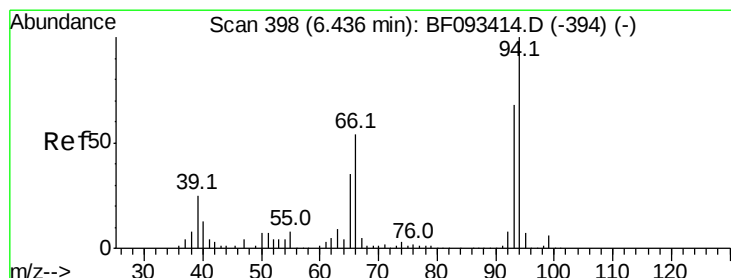
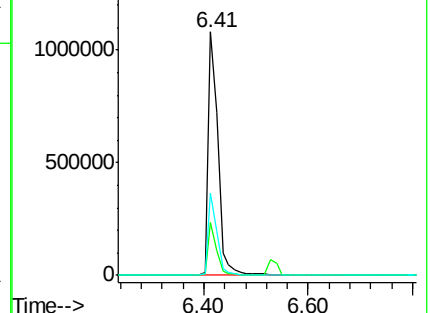
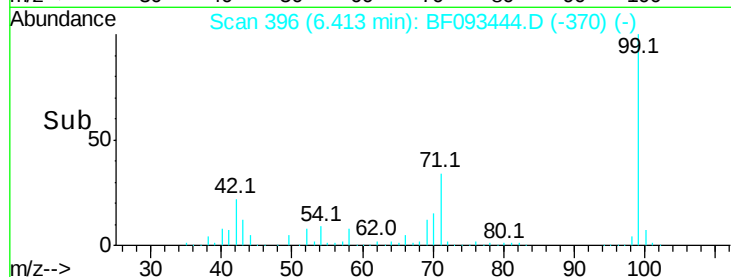
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 9.07 ng

RT: 6.44 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

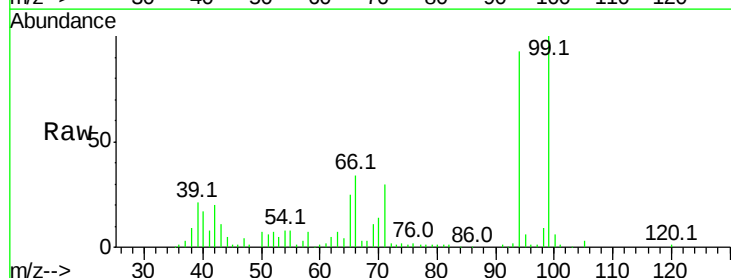
Tgt Ion: 94 Resp: 151846

Ion Ratio Lower Upper

94 100

65 26.9 21.4 61.4

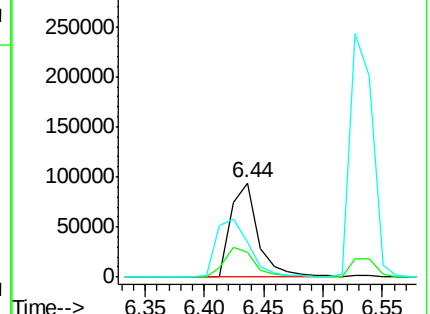
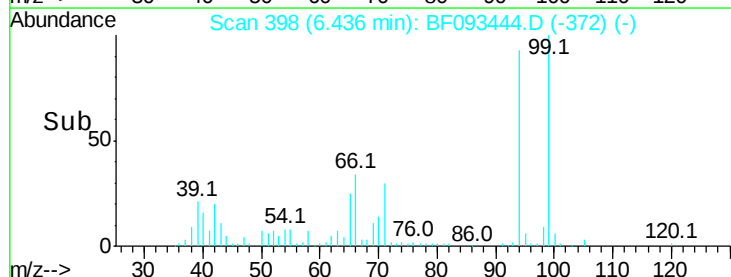
66 36.7 44.0 84.0#

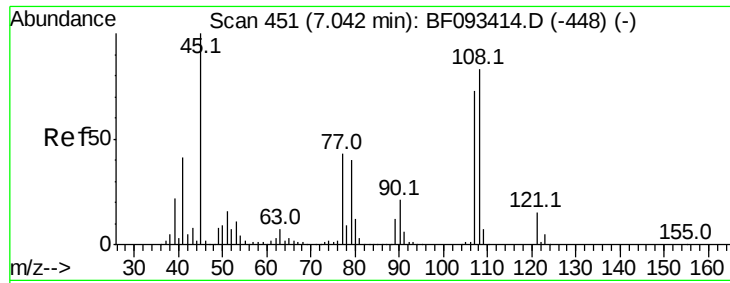


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





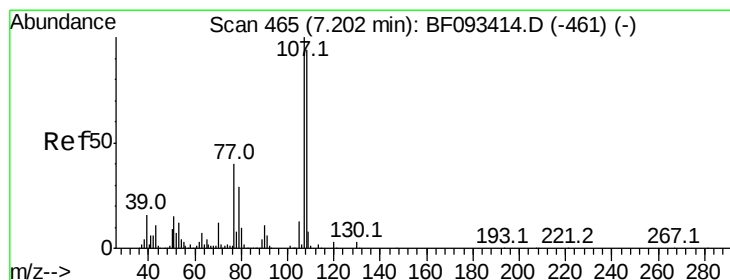
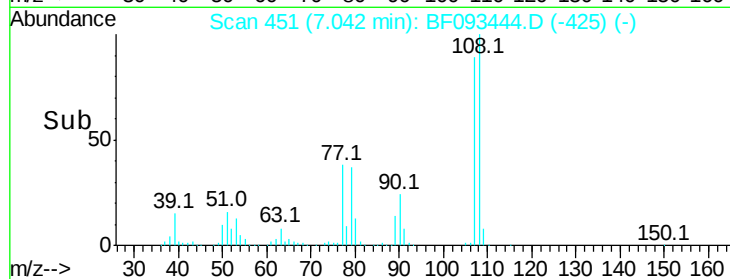
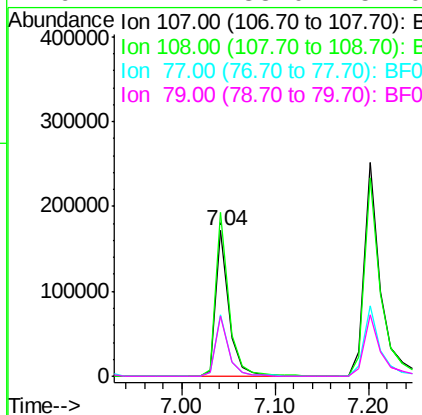
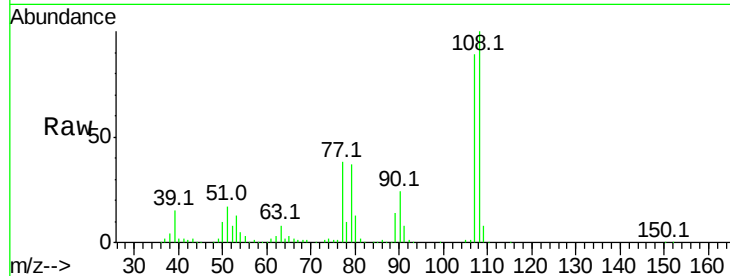
#17
2-Methylphenol
Concen: 16.32 ng
RT: 7.04 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-Z7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
107	100	167644		
108	112.0	93.0	139.6	
77	42.5	39.8	59.8	
79	41.1	38.0	57.0	

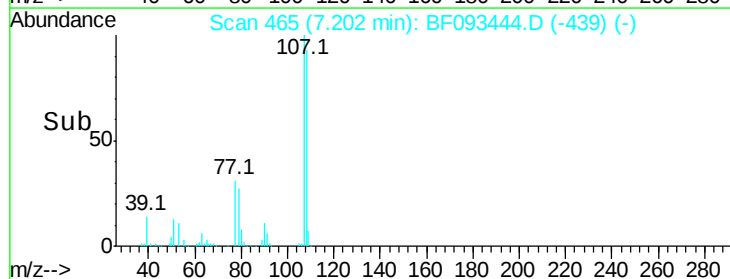
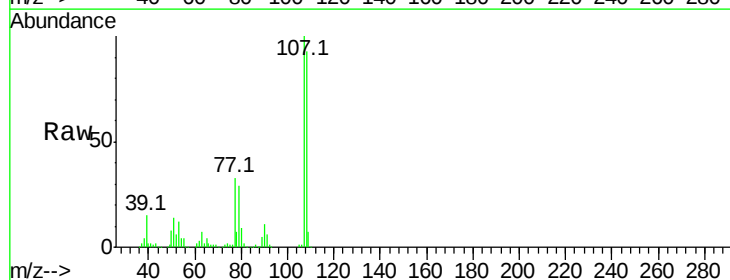
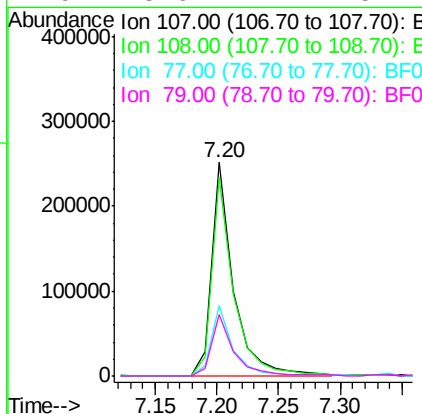
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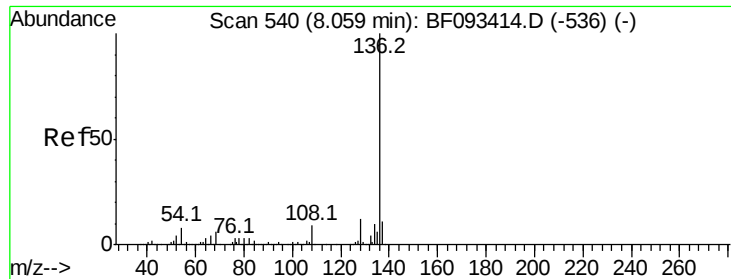
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#20
3+4-Methylphenols
Concen: 23.38 ng m
RT: 7.20 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	311477		
108	92.9	73.0	113.0	
77	32.7	71.3	111.3#	
79	28.6	11.1	51.1	





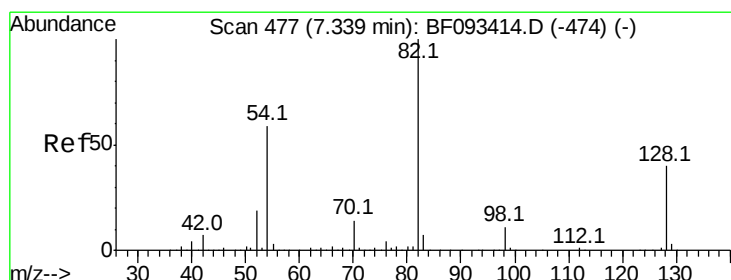
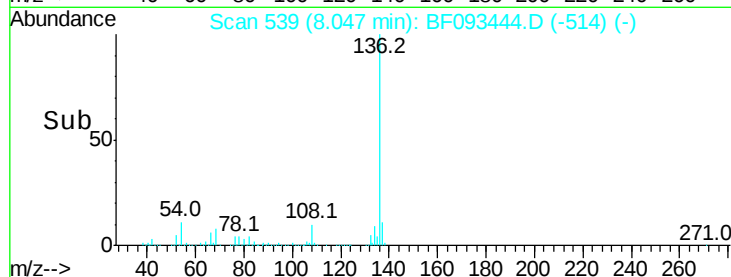
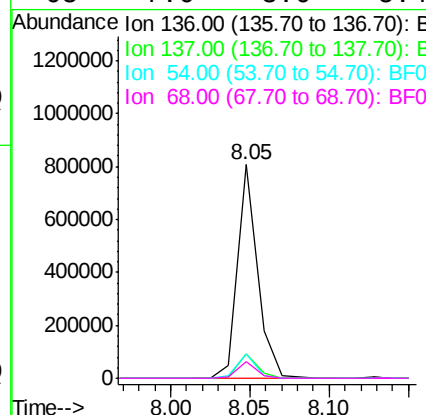
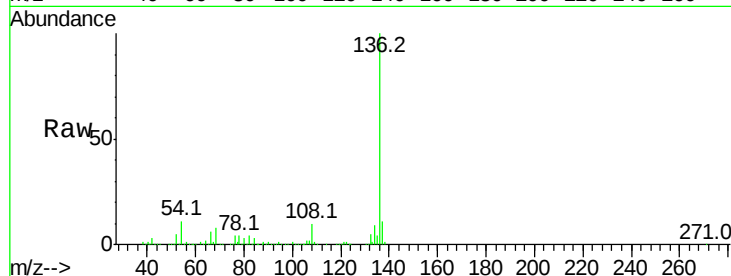
#21
Naphthalene-d8
Concen: 20.00 ng/mL
RT: 8.05 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-Z7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.4	12.6	
54	11.1	4.5	6.7	
68	7.6	3.6	5.4	

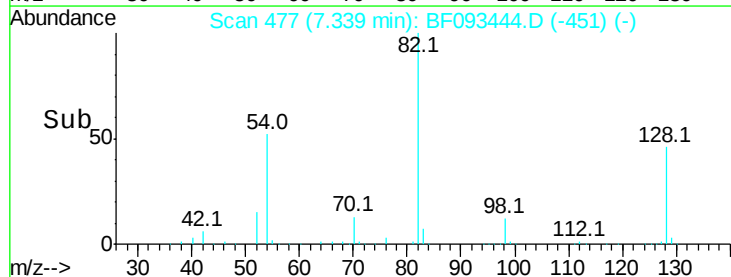
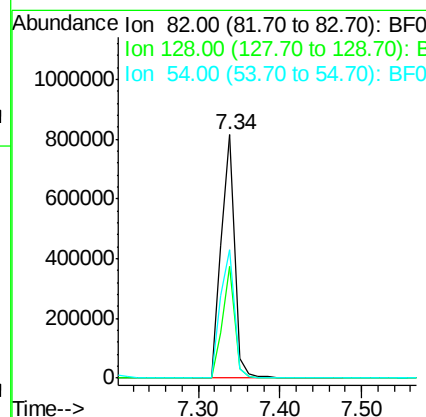
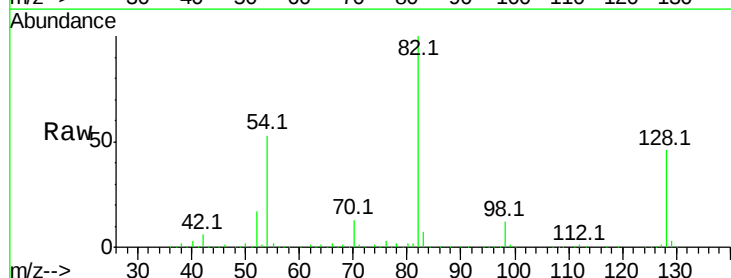
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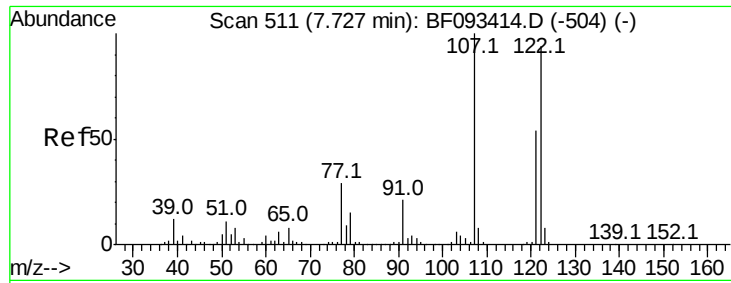
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#23
Nitrobenzene-d5
Concen: 71.87 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	34.6	52.0	
54	52.6	39.5	59.3	





#27

2,4-Dimethylphenol

Concen: 22.52 ng

RT: 7.73 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

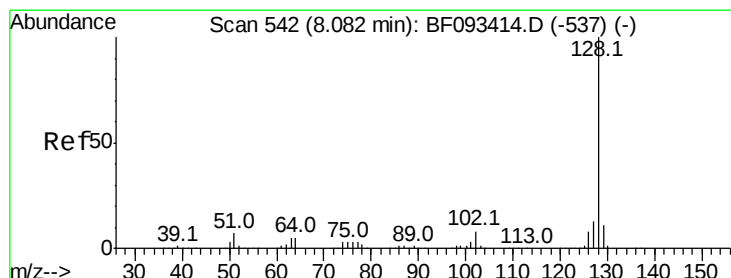
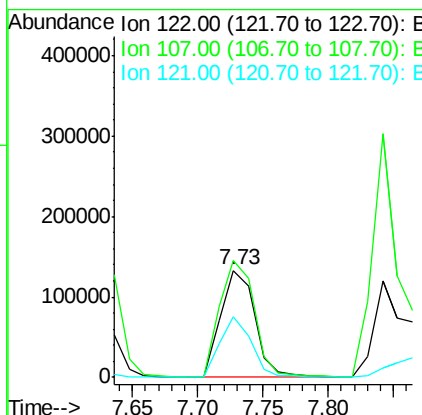
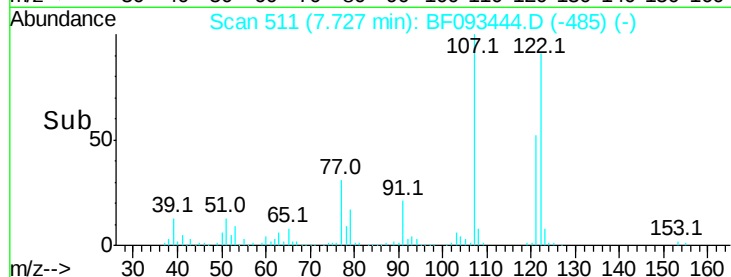
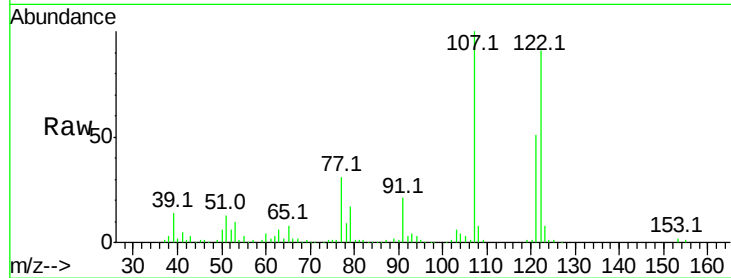
ClientSampleId :

E2-Z7-WSW

Tot Ion:	122	Resp:	243952
Ion Ratio	Lower	Upper	
122	100		
107	109.7	94.1	141.1
121	56.4	46.0	69.0

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#31

Naphthalene

Concen: 2.40 ng

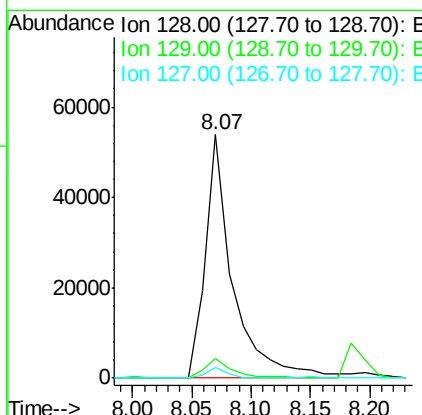
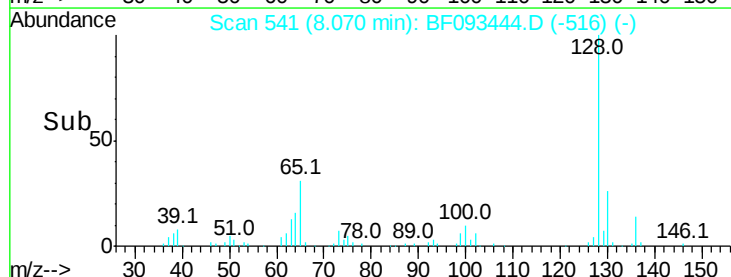
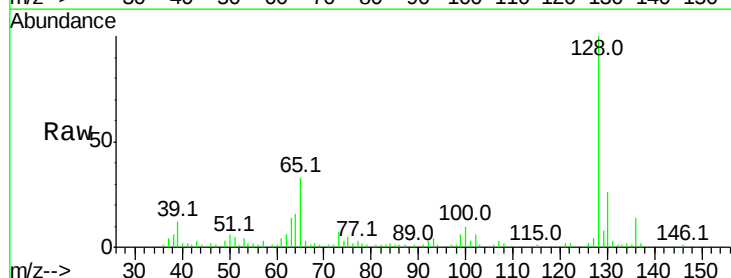
RT: 8.07 min Scan# 541

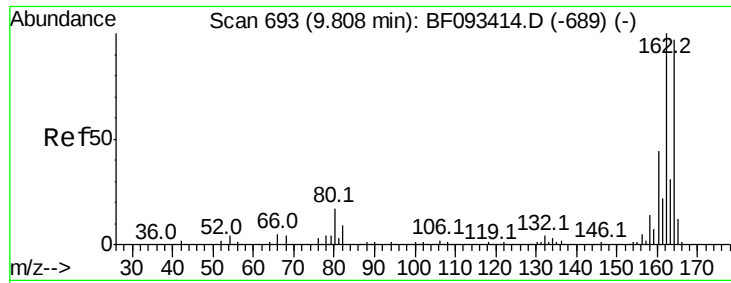
Delta R.T. -0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Tgt Ion:	128	Resp:	86637
Ion Ratio	Lower	Upper	
128	100		
129	7.9	9.5	14.3#
127	4.2	10.8	16.2#





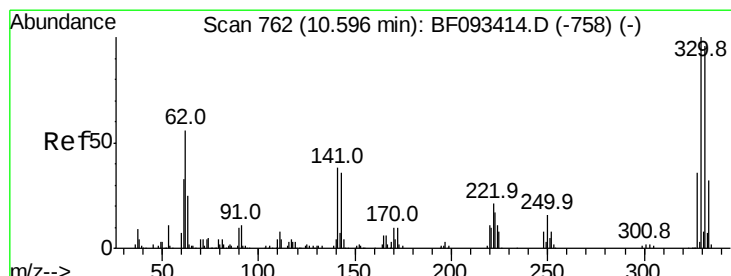
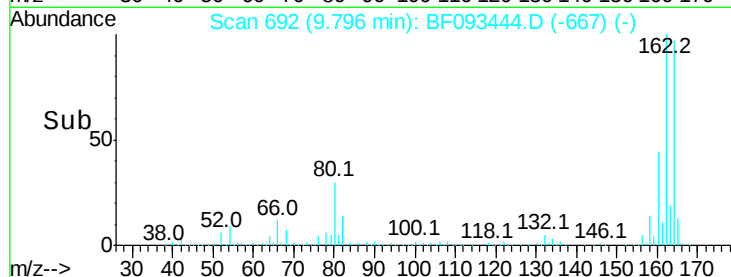
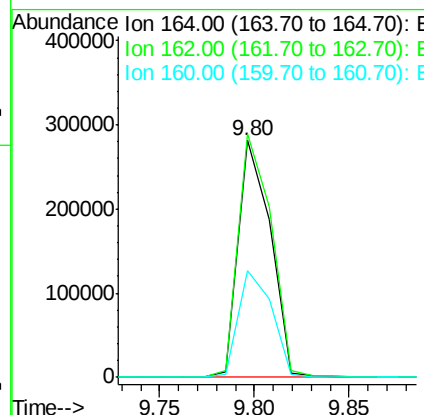
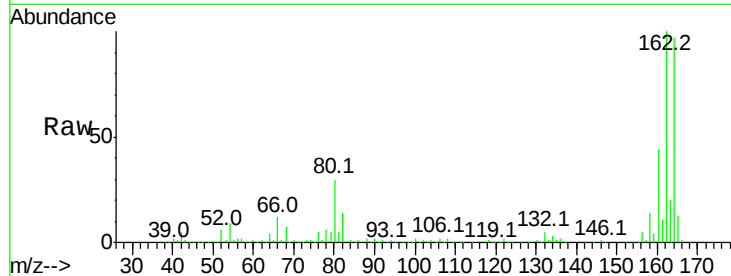
#38
 Acenaphthene-d10
 Concen: 20.00 ng/ml
 RT: 9.80 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100	332155		
162	102.8		80.2	120.2
160	45.2		36.9	55.3

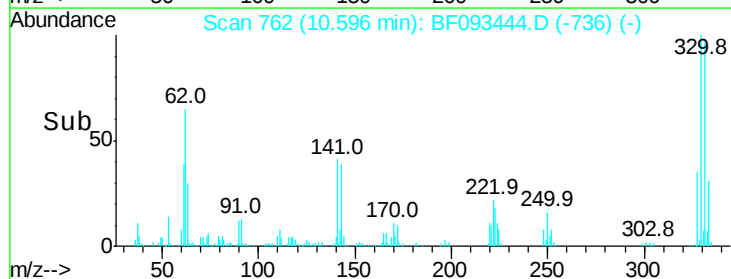
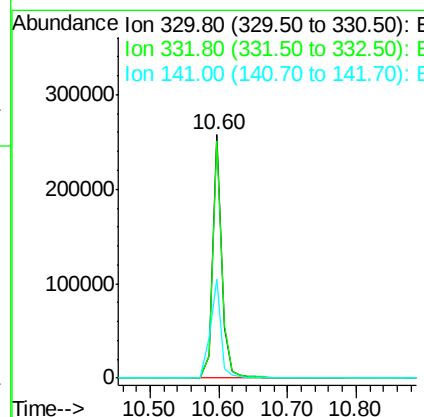
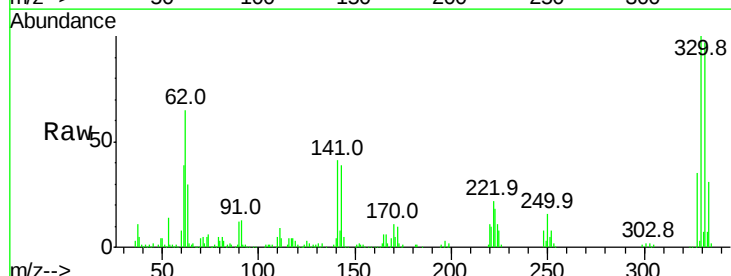
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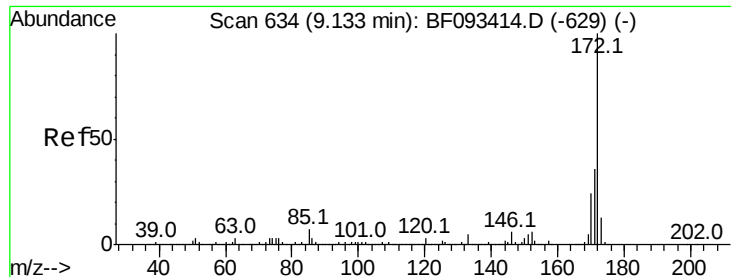
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#41
 2,4,6-Tribromophenol
 Concen: 112.97 ng
 RT: 10.60 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BF093444.D
 Acq: 8 Mar 2017 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	244472		
332	98.5		77.4	116.2
141	46.7		34.1	51.1





#44

2-Fluorobiphenyl

Concen: 75.13 ng

RT: 9.12 min Scan# 633

Delta R.T. -0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

Tot Ion:172 Resp: 1341703

Ion Ratio Lower Upper

172 100

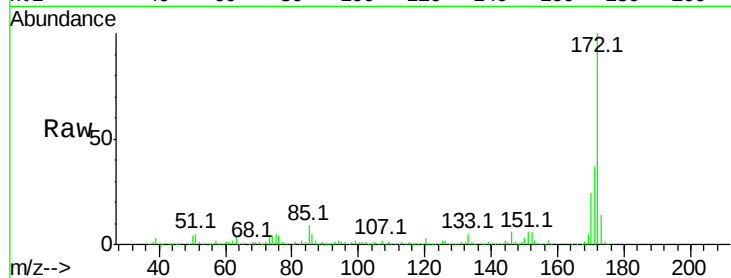
171 36.7 29.4 44.0

170 24.5 20.2 30.4

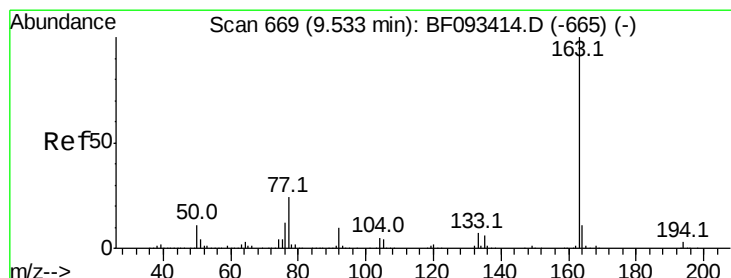
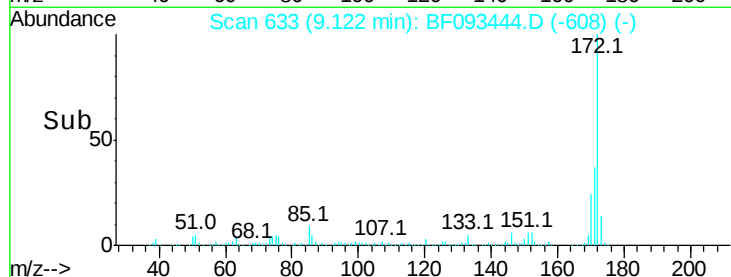
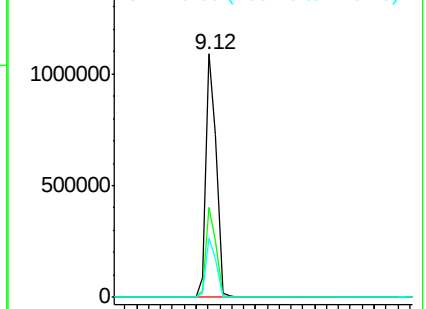
Manual Integrations
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 14.60 ng

RT: 9.52 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

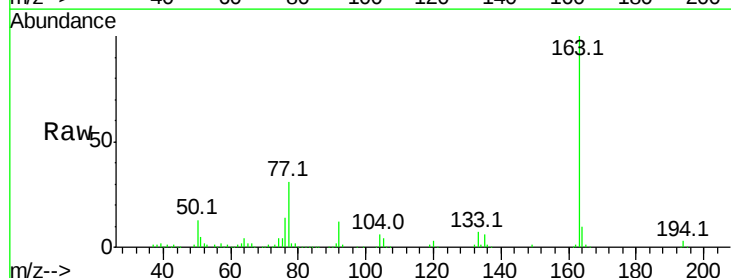
Tgt Ion:163 Resp: 321589

Ion Ratio Lower Upper

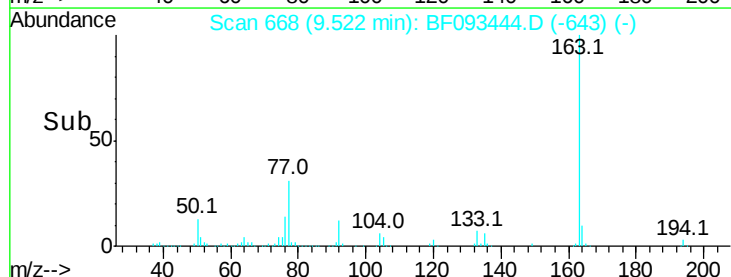
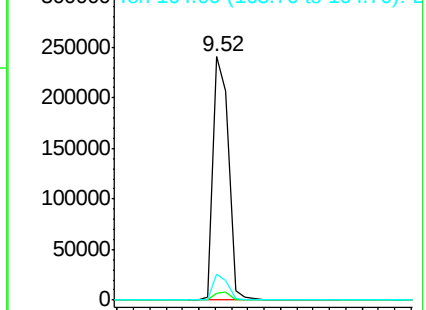
163 100

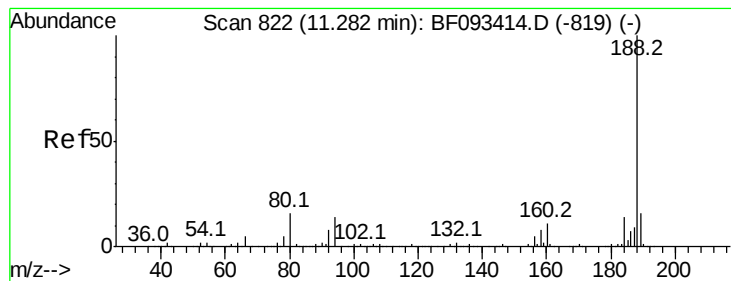
194 2.7 3.0 4.4#

164 10.5 8.0 12.0



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





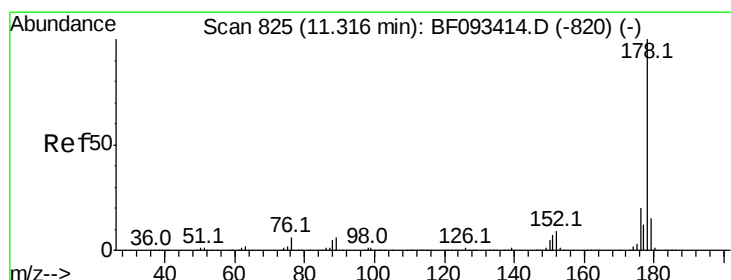
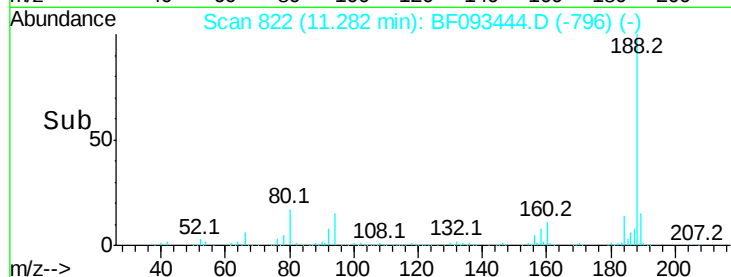
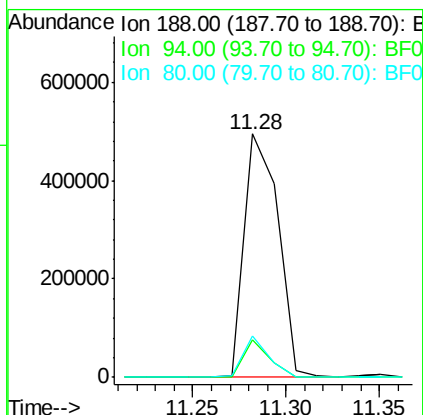
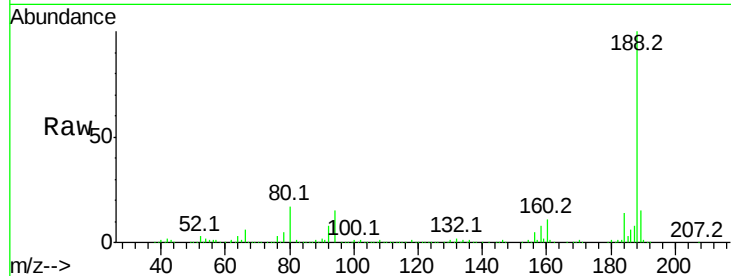
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

Instrument :
BNA_F
ClientSampleId :
E2-Z7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	625194		
94	15.3		10.0	15.0#
80	16.8		11.2	16.8#

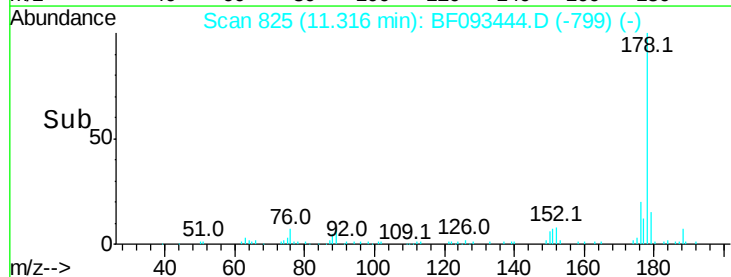
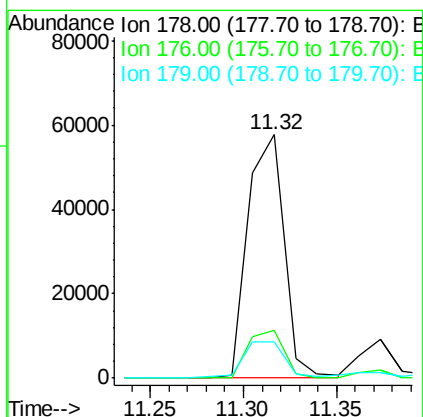
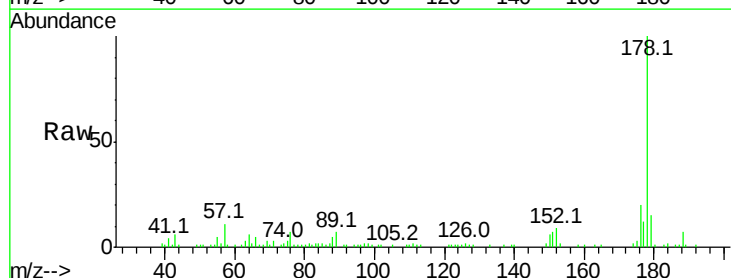
Manual Integrations
APPROVED

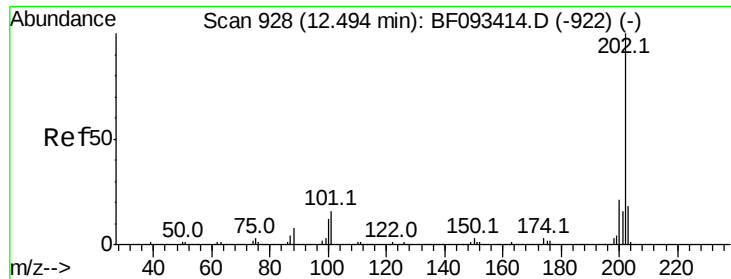
mohammad
3/10/2017 8:12:02 AM



#70
Phenanthrene
Concen: 2.18 ng
RT: 11.32 min Scan# 825
Delta R.T. -0.00 min
Lab File: BF093444.D
Acq: 8 Mar 2017 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	77774		
176	19.7		16.6	25.0
179	15.0		12.8	19.2





#74

Fluoranthene

Concen: 2.22 ng

RT: 12.51 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

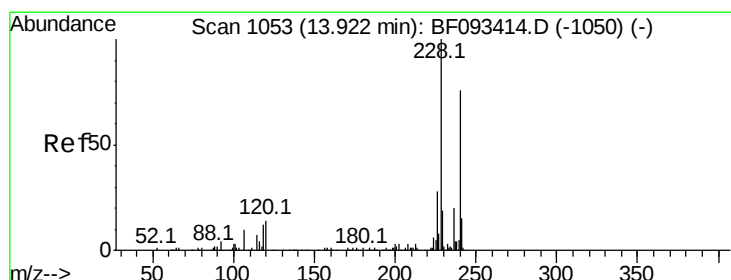
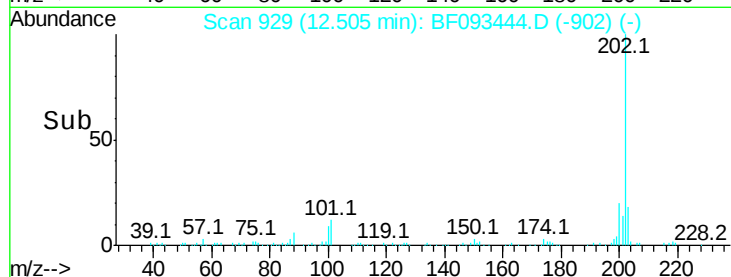
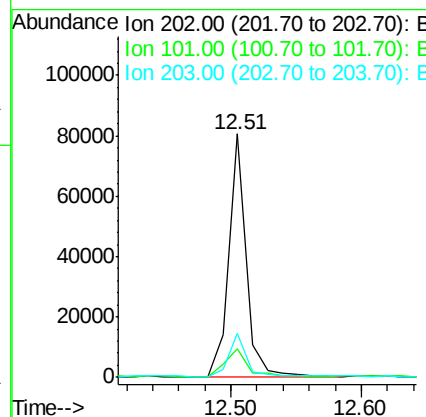
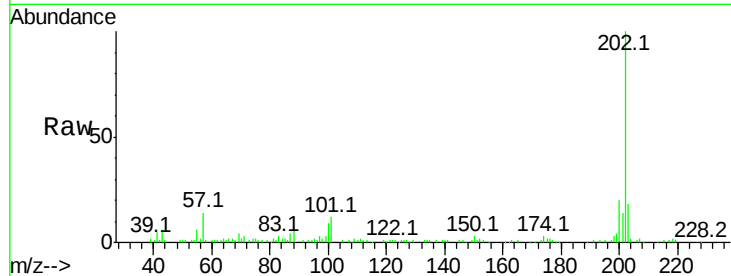
ClientSampled :

E2-Z7-WSW

Tot Ion:	202	Resp:	76620
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	34.6
203	18.1	0.0	38.7

Manual Integrations
APPROVED

mohammad
3/10/2017 8:12:02 AM



#75

Chrysene-d12

Concen: 20.00 ng

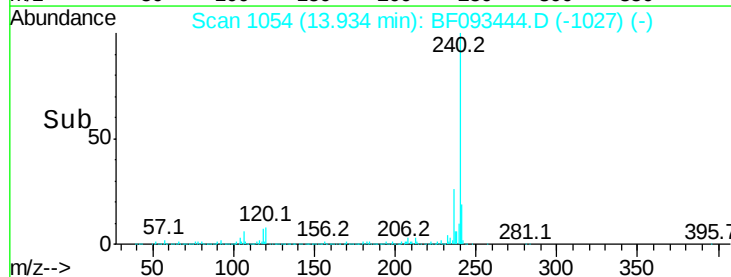
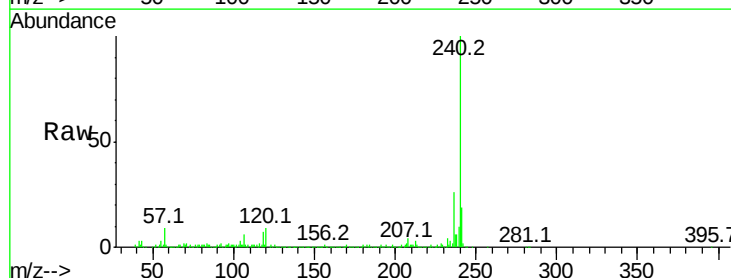
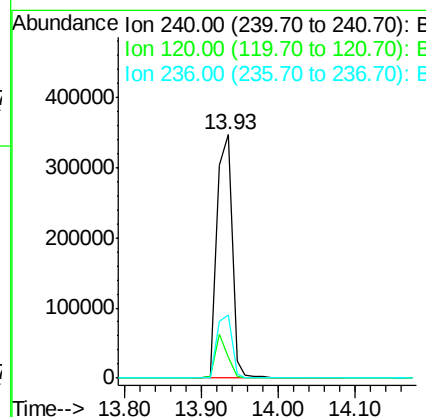
RT: 13.93 min Scan# 1054

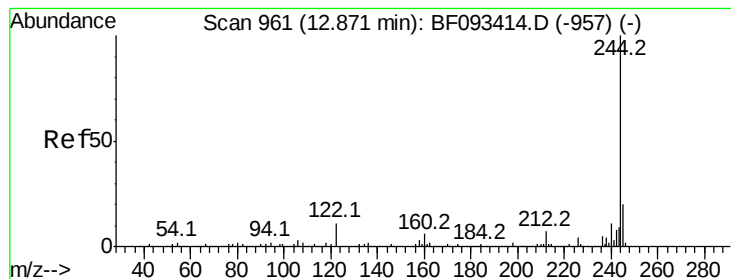
Delta R.T. 0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Tgt Ion:	240	Resp:	474884
Ion Ratio	Lower	Upper	
240	100		
120	8.6	12.9	19.3#
236	25.8	20.9	31.3





#78

Terphenyl-d14

Concen: 57.90 ng

RT: 12.87 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

Instrument :

BNA_F

ClientSampleId :

E2-Z7-WSW

Tot Ion:244 Resp: 1057595

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

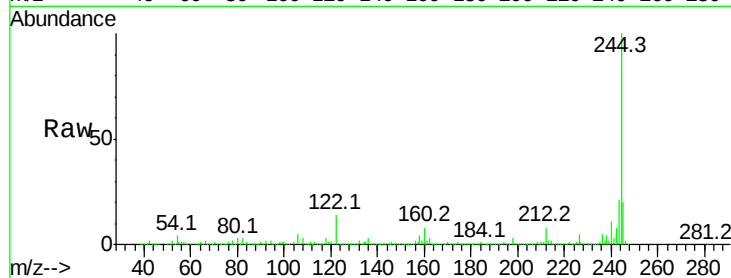
122 13.9 11.4 17.2

Manual Integrations

APPROVED

mohammad

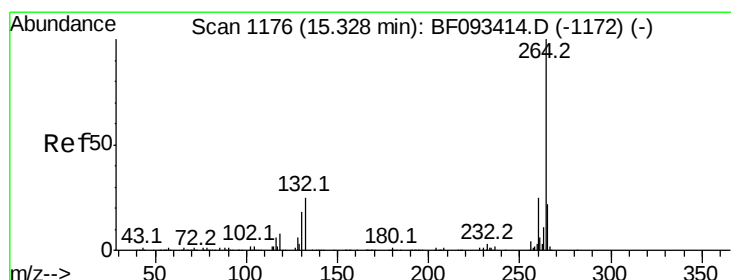
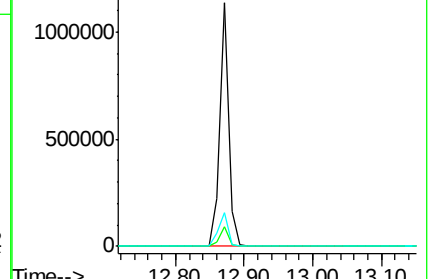
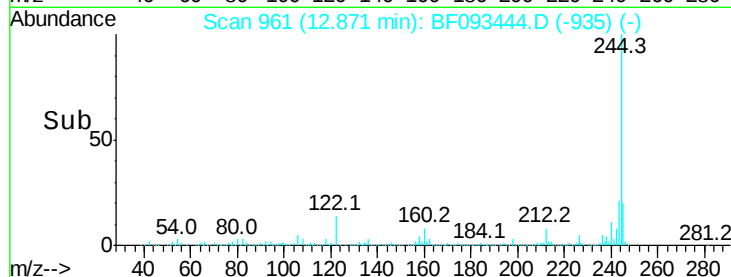
3/10/2017 8:12:02 AM



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

Perylene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF093444.D

Acq: 8 Mar 2017 22:29

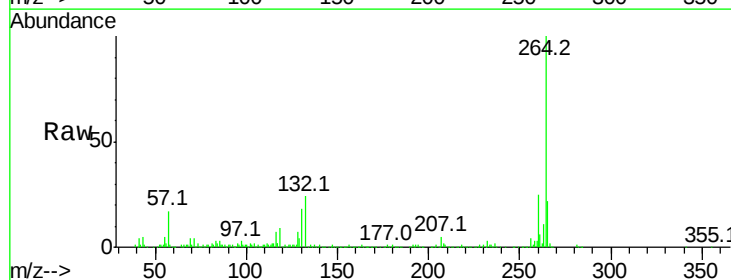
Tgt Ion:264 Resp: 327359

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 22.3 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

