

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093525.D
 Acq On : 10 Mar 2017 16:42
 Operator : SJ/MA
 Sample : I2160-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B29-B35-001

Manual Integrations
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 3/13/2017 5:28:44 PM

Quant Time: Mar 10 19:16:01 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	6.73	152	189460m	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	726706	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	325103	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	606163	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	552792	20.00	ng	-0.02
86) Perylene-d12	15.31	264	369857	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1431504	125.75	ng	0.01
7) Phenol-d6	6.41	99	1734709	120.84	ng	0.00
23) Nitrobenzene-d5	7.32	82	1211529	92.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	329786	155.70	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1547071	88.51	ng	-0.03
78) Terphenyl-d14	12.85	244	1557590	73.26	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.05	128	3500882	96.13	ng	99
37) 2-Methylnaphthalene	8.73	142	396151	17.10	ng	98
45) 1,1'-Biphenyl	9.20	154	54082	2.28	ng	97
51) Acenaphthene	9.81	154	148719	8.41	ng	96
54) Dibenzofuran	9.98	168	85579	3.87	ng	95
57) Fluorene	10.32	166	97139	5.18	ng	100
70) Phenanthrene	11.28	178	161974	4.68	ng	98
72) Carbazole	11.51	167	283057	8.61	ng	# 96

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

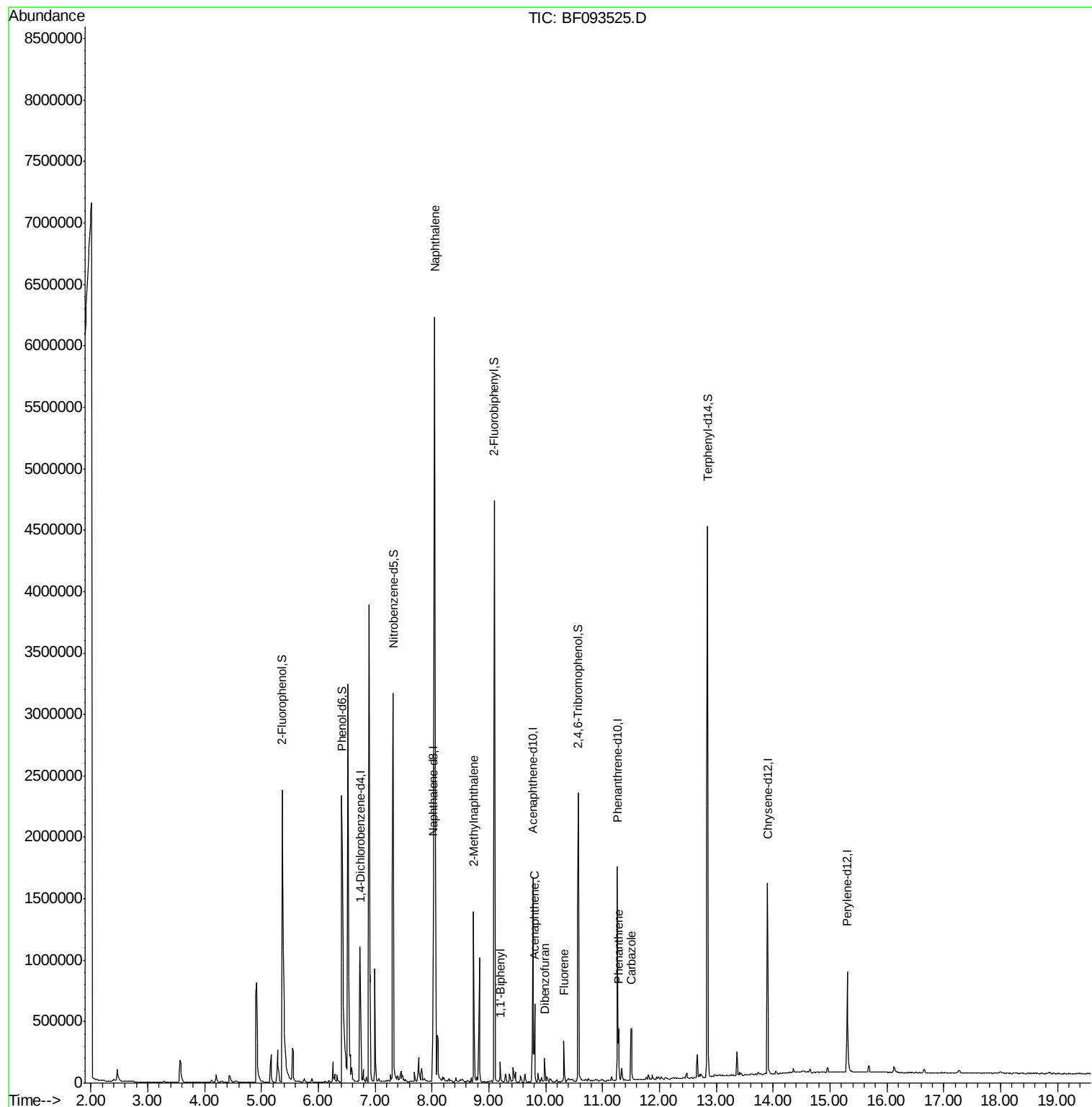
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
Data File : BF093525.D
Acq On : 10 Mar 2017 16:42
Operator : SJ/MA
Sample : I2160-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

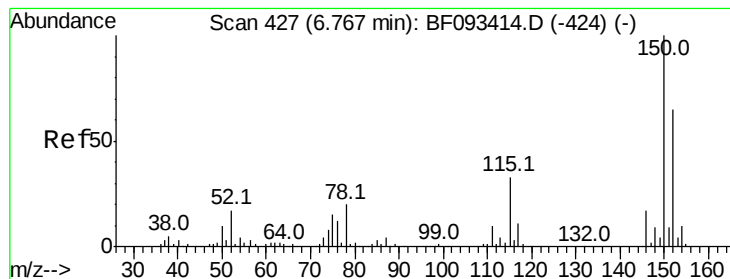
Instrument :
BNA_F
ClientSampleId :
WC-B29-B35-001

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Quant Time: Mar 10 19:16:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
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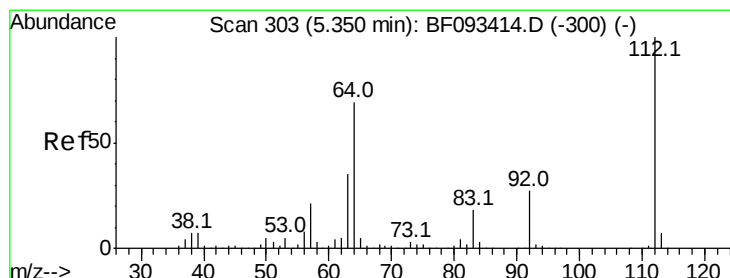
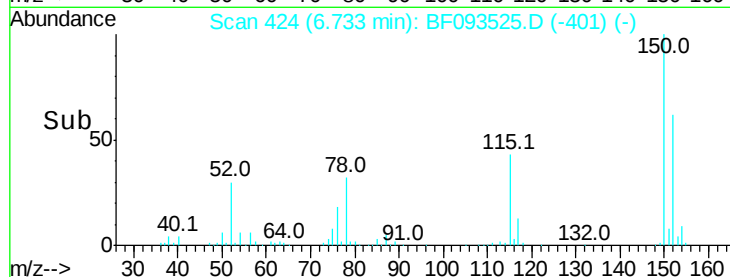
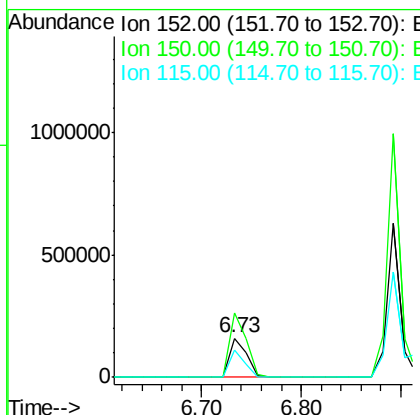
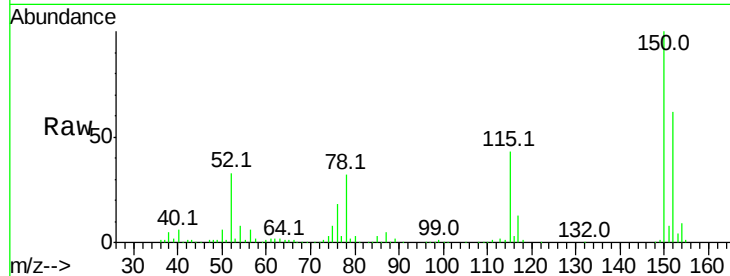
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng/ml
 RT: 6.73 min Scan# 424
 Delta R.T. -0.03 min
 Lab File: BF093525.D
 Acq: 10 Mar 2017 16:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-B29-B35-001

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.9	187.3
115	69.6	46.0	69.0

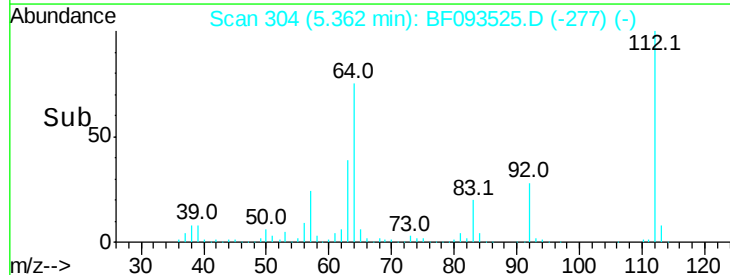
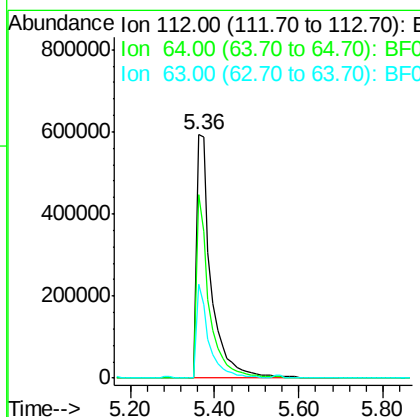
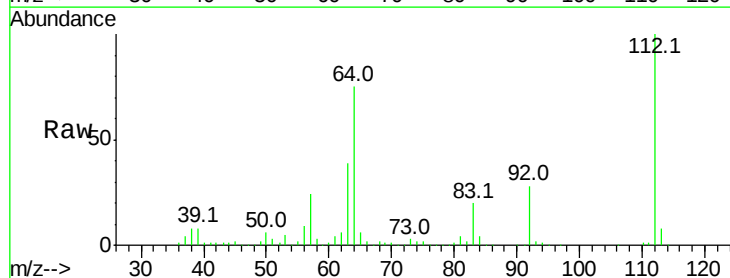
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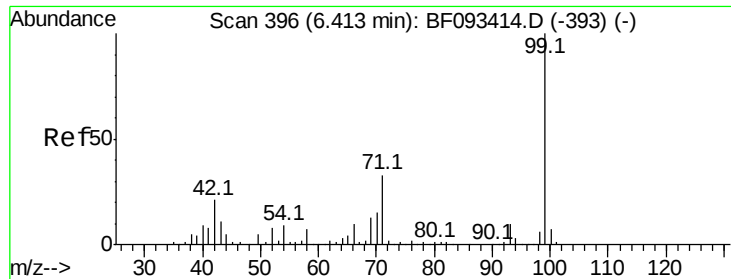
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#5
 2-Fluorophenol
 Concen: 125.75 ng
 RT: 5.36 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: BF093525.D
 Acq: 10 Mar 2017 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.5	46.1	69.1
63	38.6	23.8	35.6





#7

Phenol-d6

Concen: 120.84 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093525.D

Acq: 10 Mar 2017 16:42

Instrument :

BNA_F

ClientSampleId :

WC-B29-B35-001

Tot Ion: 99 Resp: 1734709

Ion Ratio Lower Upper

99 100

42 22.0 15.6 23.4

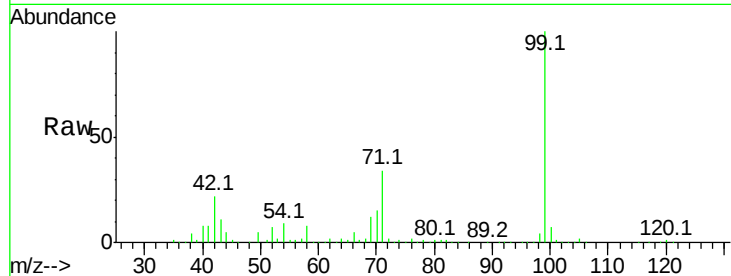
71 33.8 27.5 41.3

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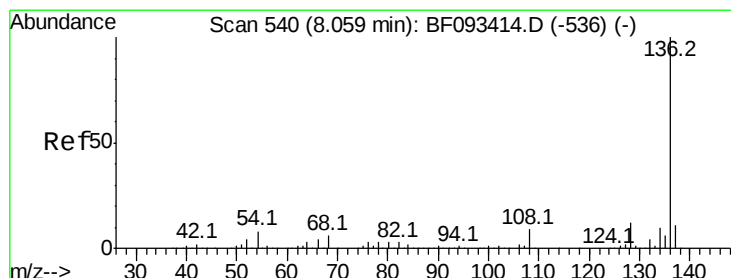
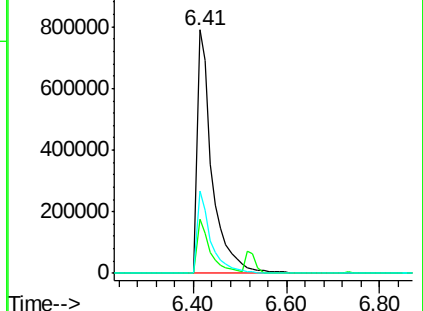
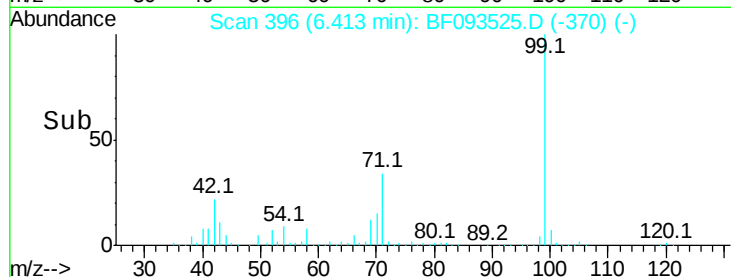
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF093525.D

Acq: 10 Mar 2017 16:42

Tgt Ion: 136 Resp: 726706

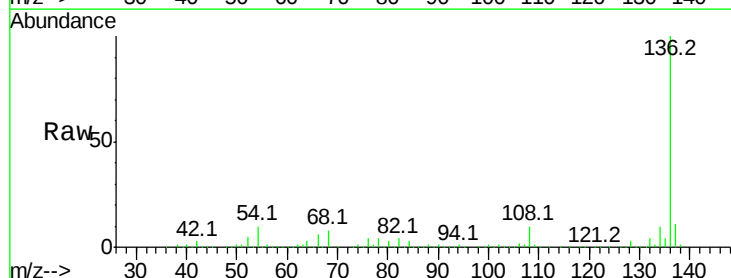
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 10.3 4.5 6.7#

68 7.7 3.6 5.4#

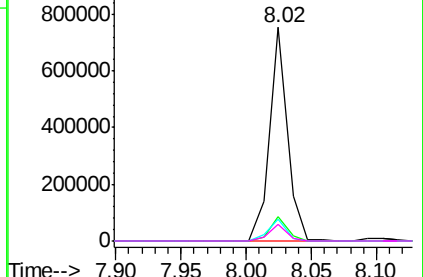
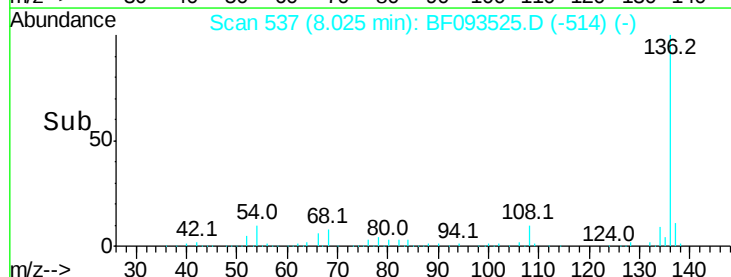


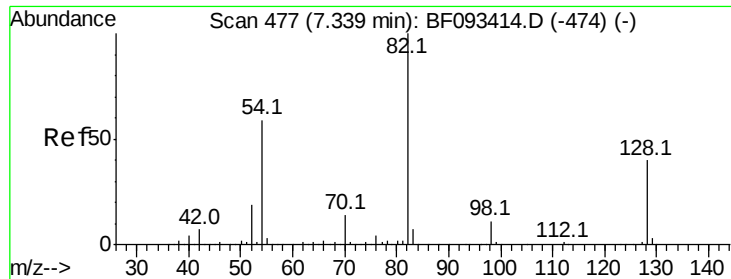
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





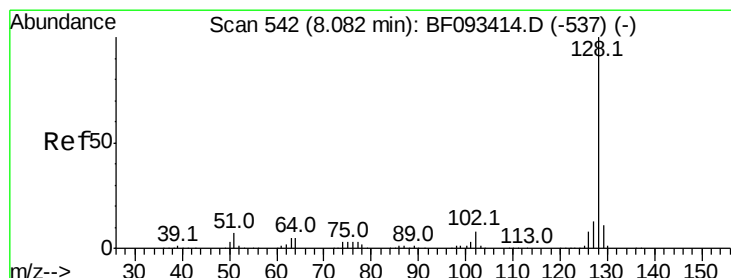
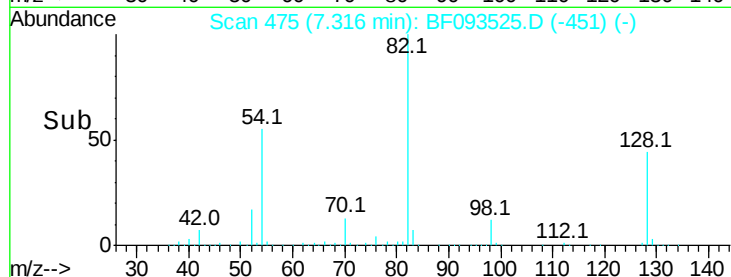
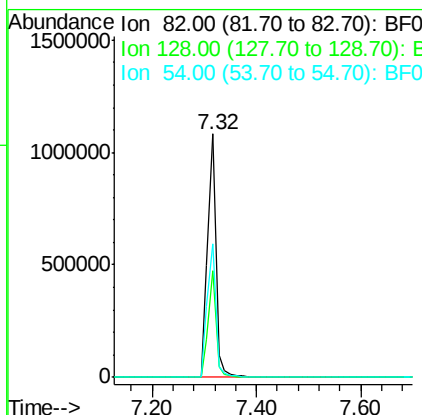
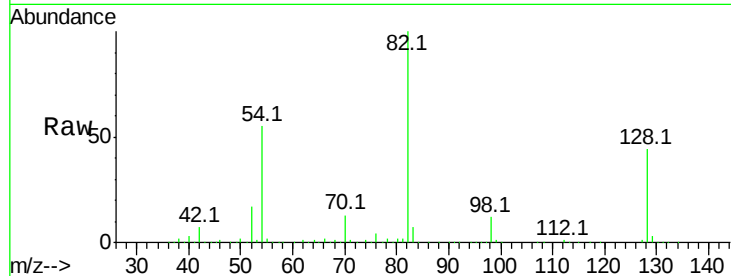
#23
Nitrobenzene-d5
Concen: 92.50 ng
RT: 7.32 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF093525.D
Acq: 10 Mar 2017 16:42

Instrument :
BNA_F
ClientSampleId :
WC-B29-B35-001

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	52.0
54	54.7	39.5	59.3

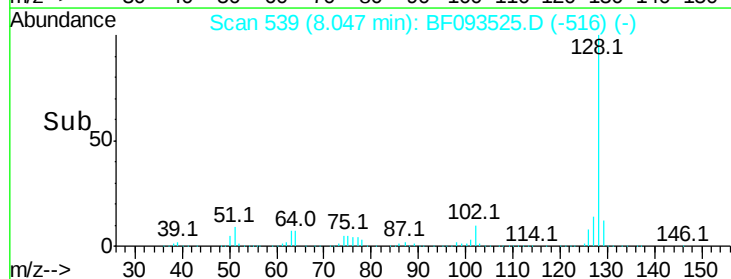
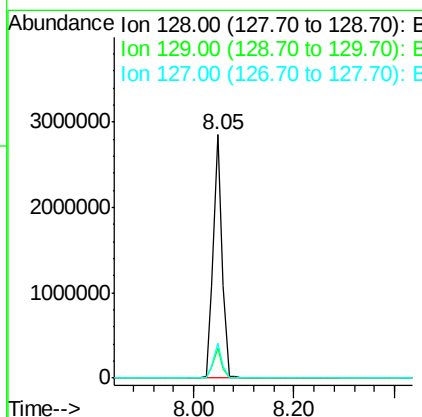
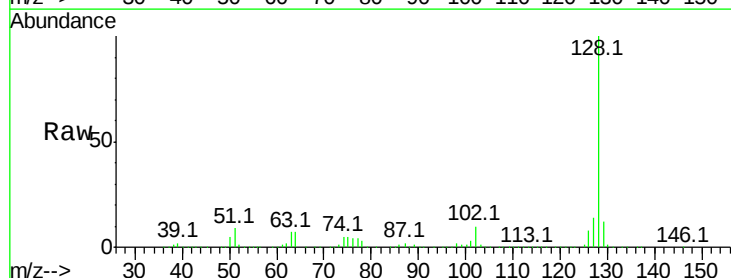
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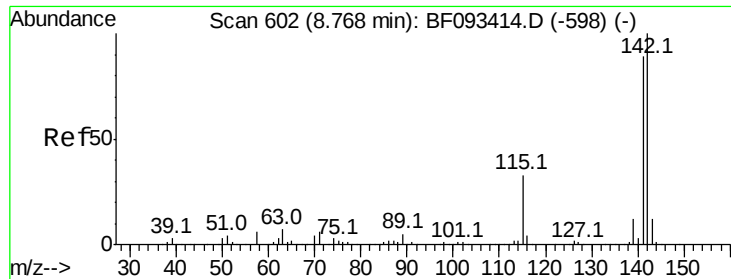
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#31
Naphthalene
Concen: 96.13 ng
RT: 8.05 min Scan# 539
Delta R.T. -0.03 min
Lab File: BF093525.D
Acq: 10 Mar 2017 16:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.5	14.3
127	14.3	10.8	16.2





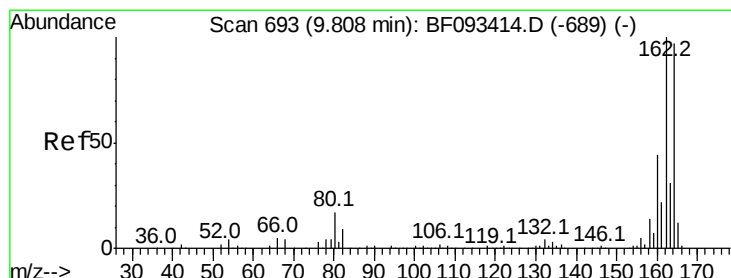
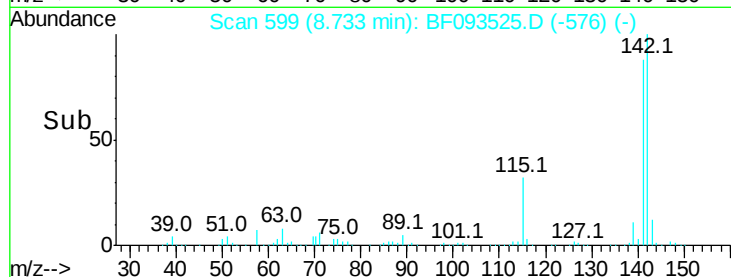
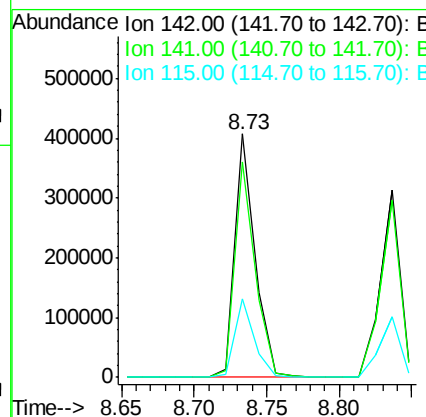
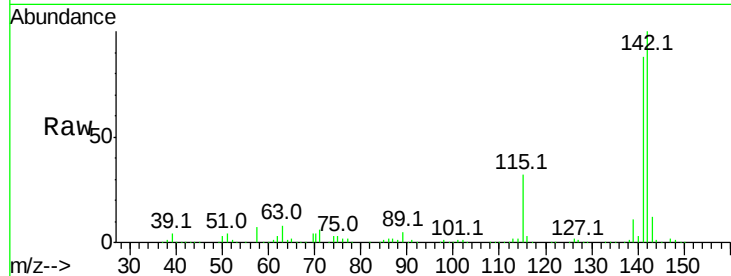
#37
 2-Methylnaphthalene
 Concen: 17.10 ng
 RT: 8.73 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: BF093525.D
 Acq: 10 Mar 2017 16:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-B29-B35-001

Tot Ion:	142	Resp:	396151
Ion Ratio	Lower	Upper	
142	100		
141	88.3	71.0	106.6
115	32.3	28.3	42.5

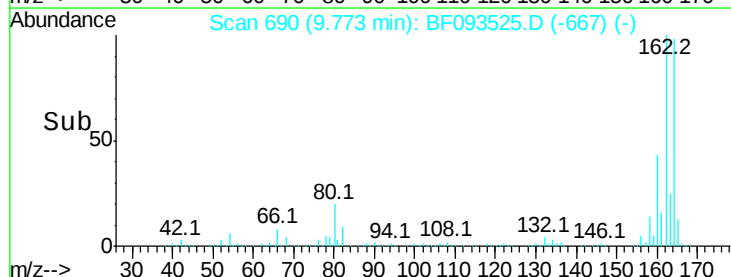
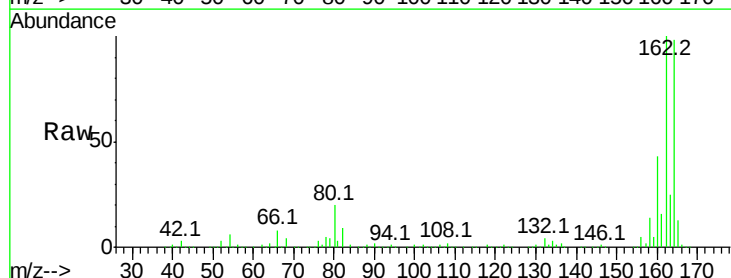
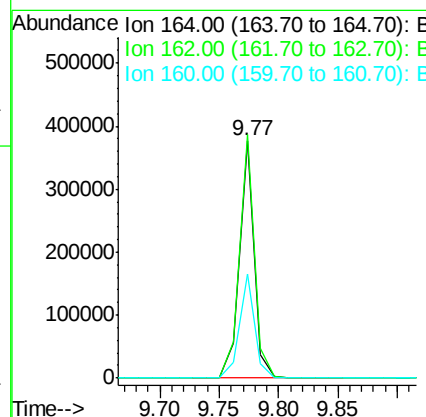
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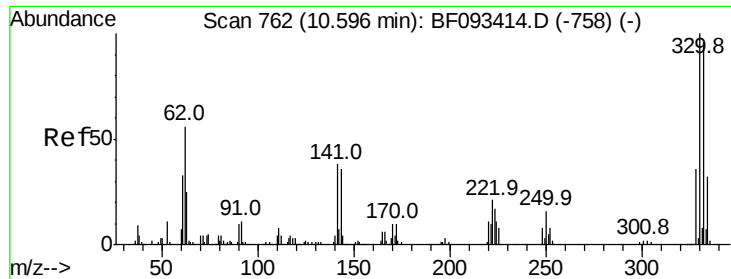
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 690
 Delta R.T. -0.03 min
 Lab File: BF093525.D
 Acq: 10 Mar 2017 16:42

Tgt Ion:	164	Resp:	325103
Ion Ratio	Lower	Upper	
164	100		
162	102.6	80.2	120.2
160	44.1	36.9	55.3





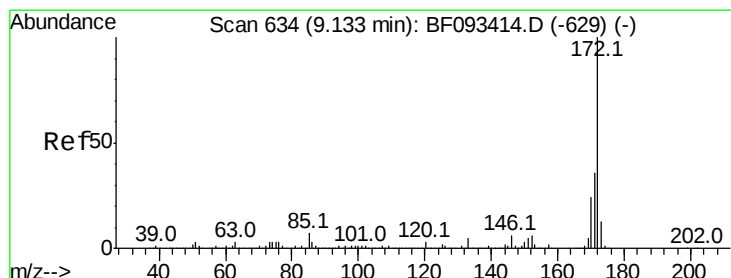
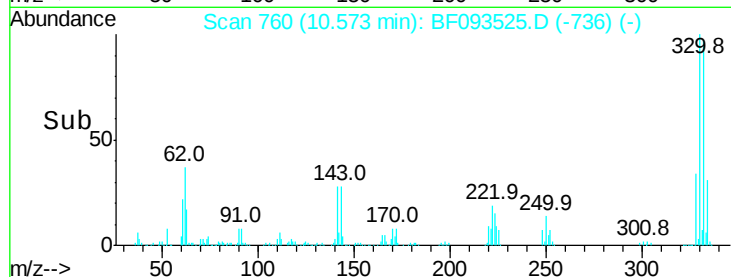
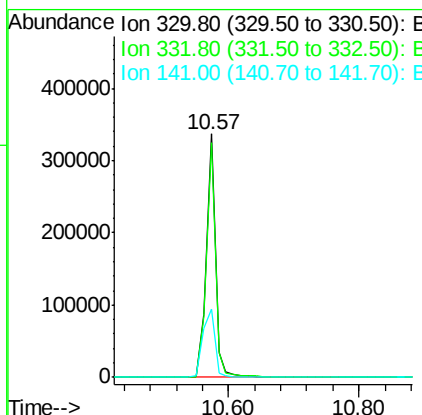
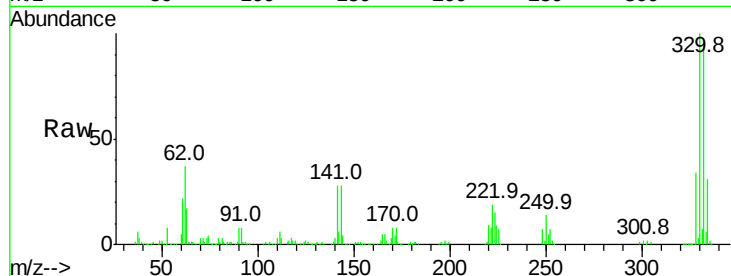
#41
 2,4,6-Tribromophenol
 Concen: 155.70 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF093525.D
 Acq: 10 Mar 2017 16:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-B29-B35-001

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	37.0	34.1	51.1

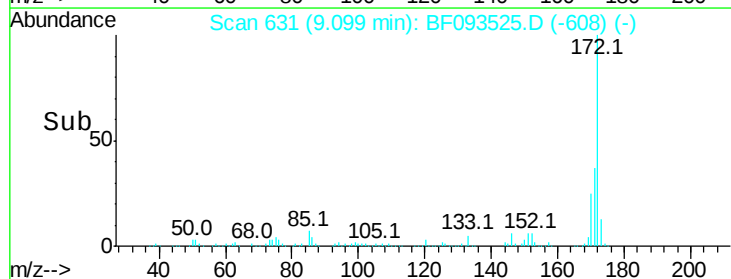
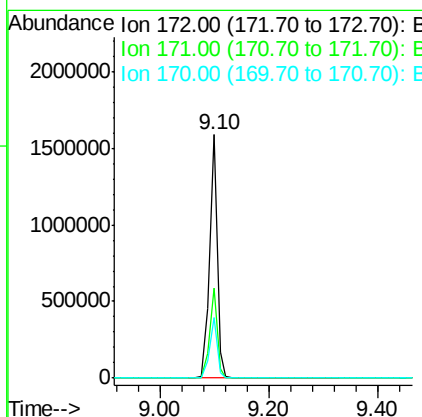
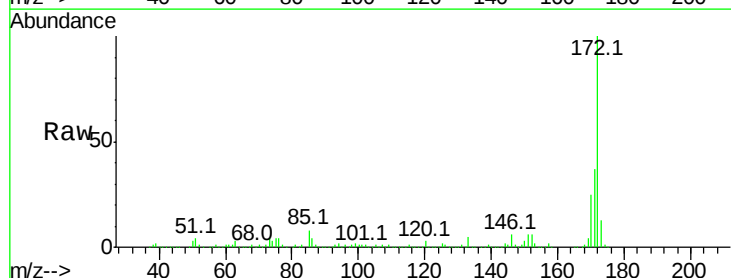
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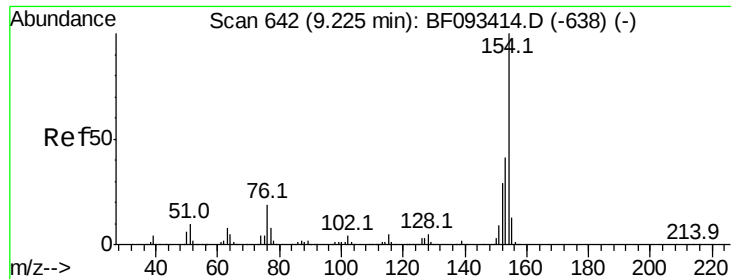
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#44
 2-Fluorobiphenyl
 Concen: 88.51 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF093525.D
 Acq: 10 Mar 2017 16:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.0
170	24.7	20.2	30.4





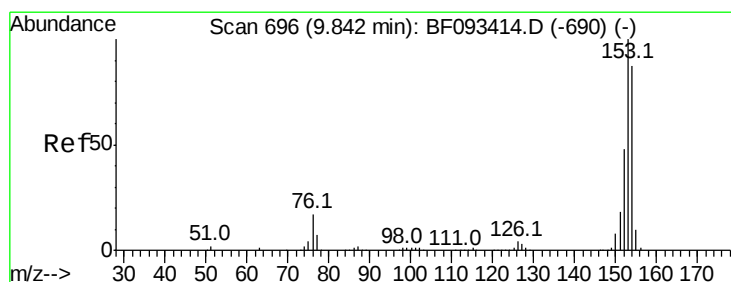
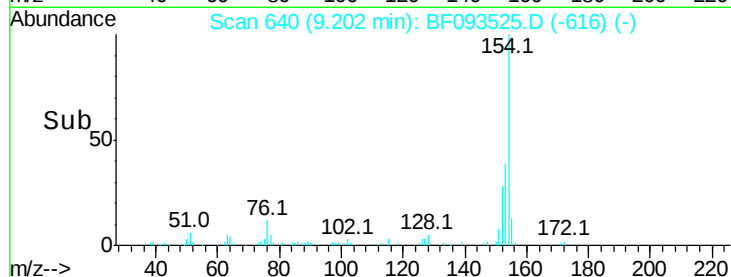
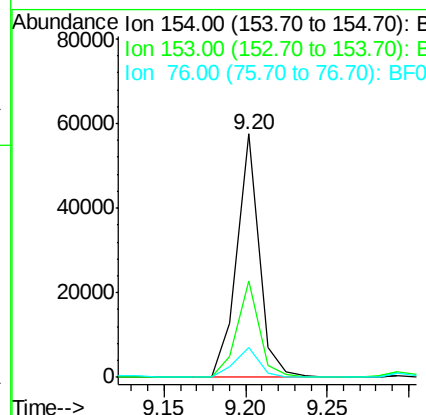
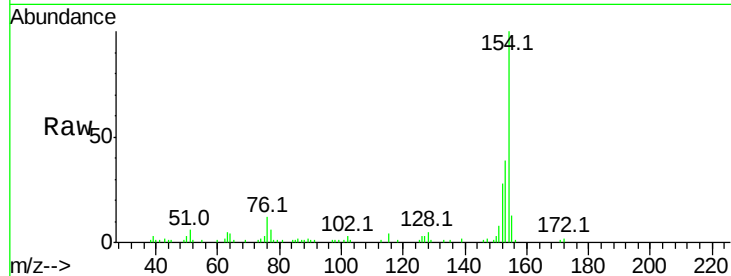
#45
1,1'-Biphenyl
Concen: 2.28 ng
RT: 9.20 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF093525.D
Acq: 10 Mar 2017 16:42

Instrument :
BNA_F
ClientSampleId :
WC-B29-B35-001

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.9	60.9
76	12.3	0.0	30.5

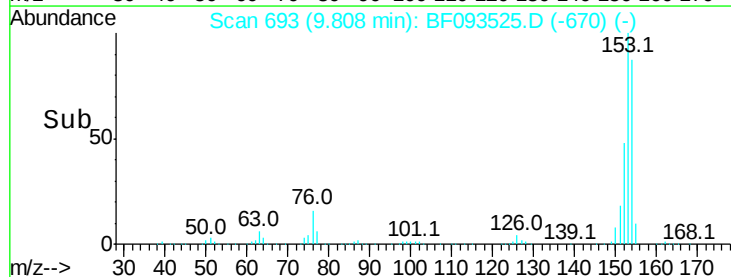
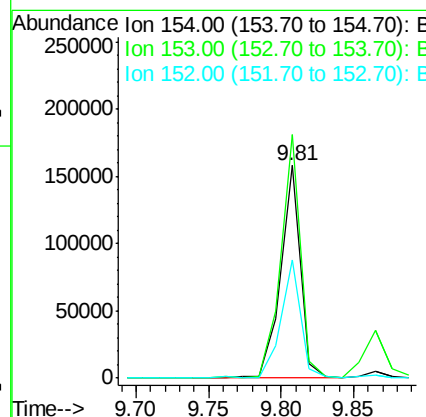
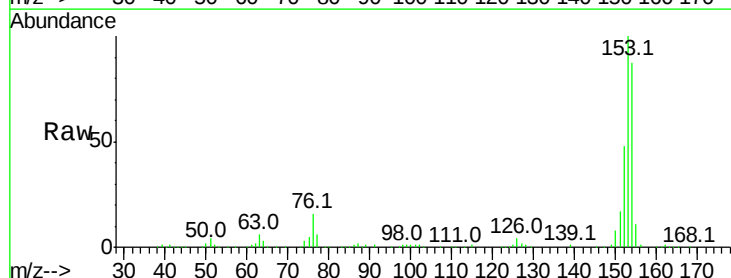
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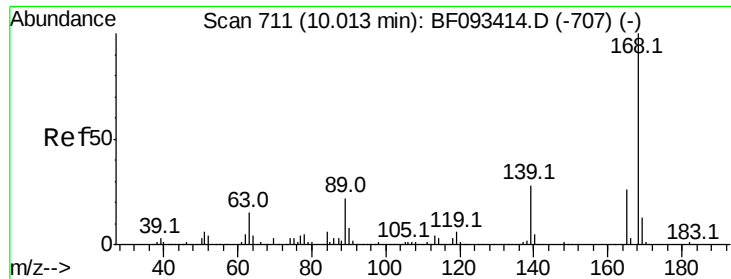
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#51
Acenaphthene
Concen: 8.41 ng
RT: 9.81 min Scan# 693
Delta R.T. -0.03 min
Lab File: BF093525.D
Acq: 10 Mar 2017 16:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.5	88.6	133.0
152	55.4	41.6	62.4





#54

Dibenzenofuran

Concen: 3.87 ng

RT: 9.98 min Scan# 708

Delta R.T. -0.03 min

Lab File: BF093525.D

Acq: 10 Mar 2017 16:42

Instrument :

BNA_F

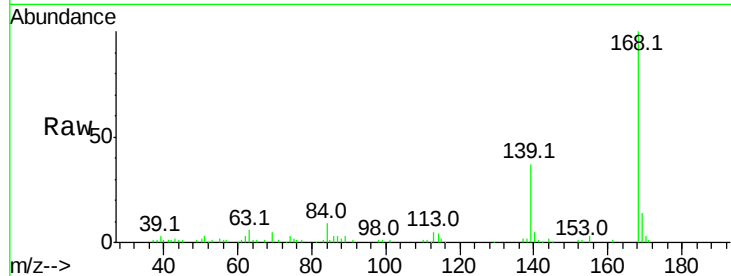
ClientSampleId :

WC-B29-B35-001

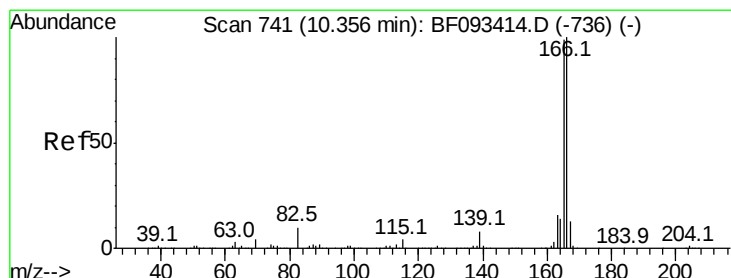
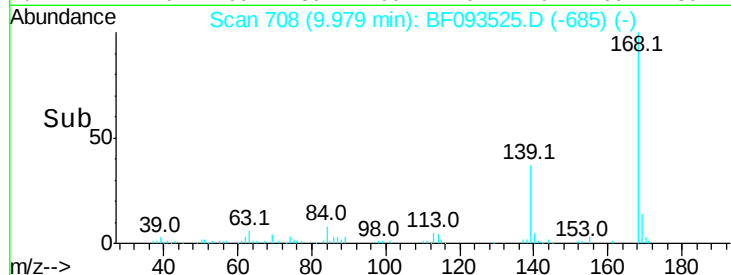
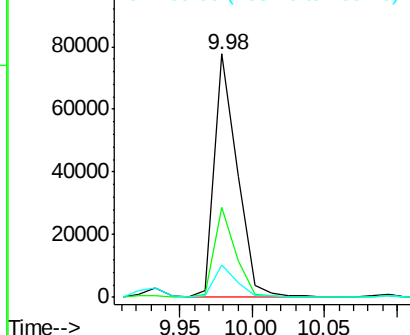
Tot Ion:	168	Resp:	85579
Ion Ratio	Lower	Upper	
168	100		
139	37.0	32.6	49.0
169	13.6	11.3	16.9

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 5.18 ng

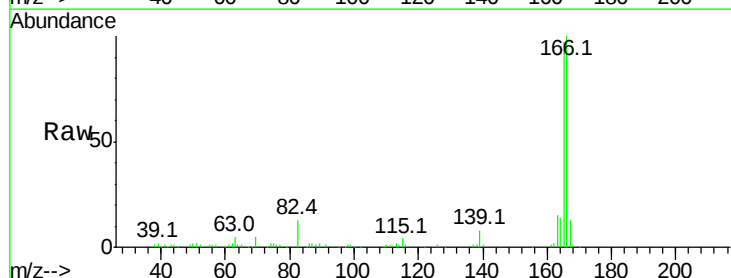
RT: 10.32 min Scan# 738

Delta R.T. -0.03 min

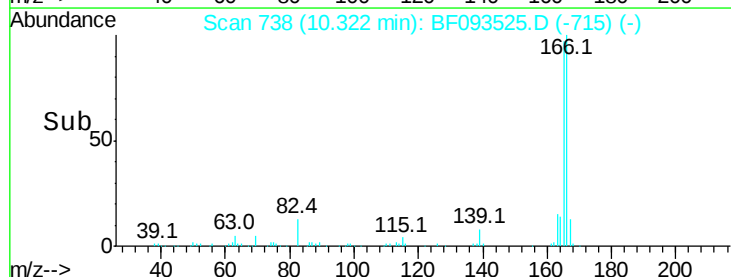
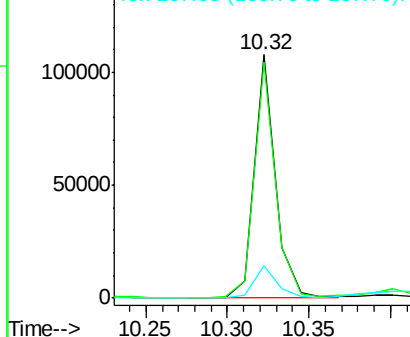
Lab File: BF093525.D

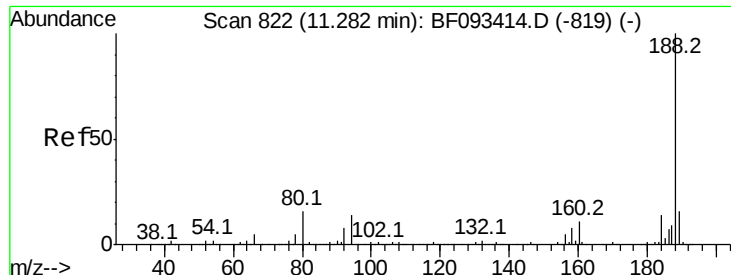
Acq: 10 Mar 2017 16:42

Tgt Ion:	166	Resp:	97139
Ion Ratio	Lower	Upper	
166	100		
165	97.2	77.8	116.8
167	13.1	10.8	16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





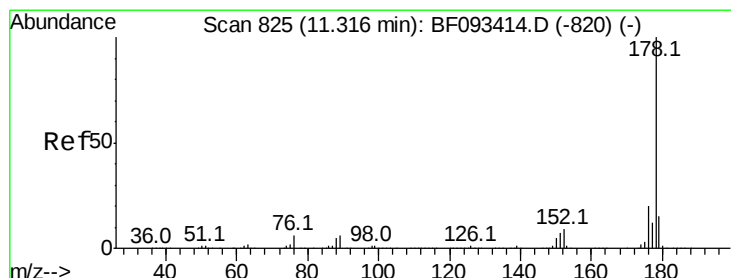
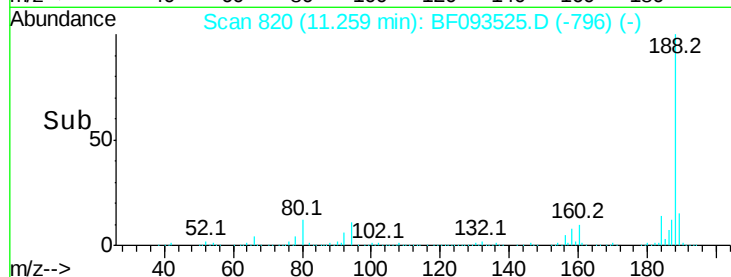
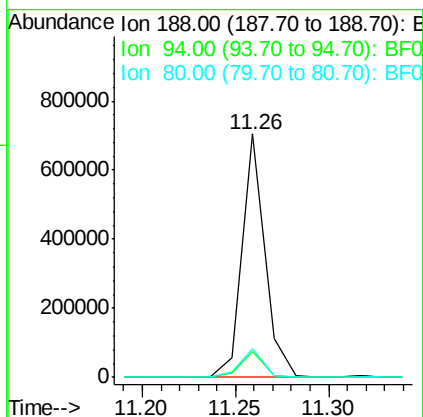
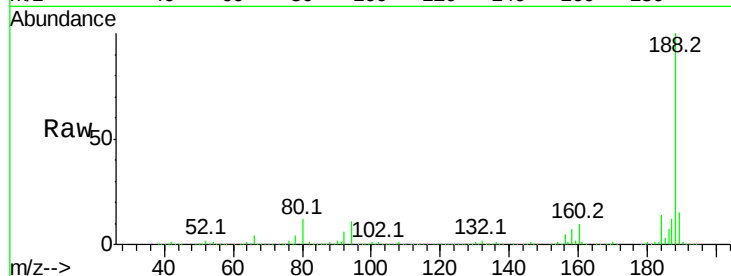
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 820
Delta R.T. -0.02 min
Lab File: BF093525.D
Acq: 10 Mar 2017 16:42

Instrument :
BNA_F
ClientSampleId :
WC-B29-B35-001

Tot Ion	Ratio	Resp	Lower	Upper
188	100	606163		
94	10.9		10.0	15.0
80	11.6		11.2	16.8

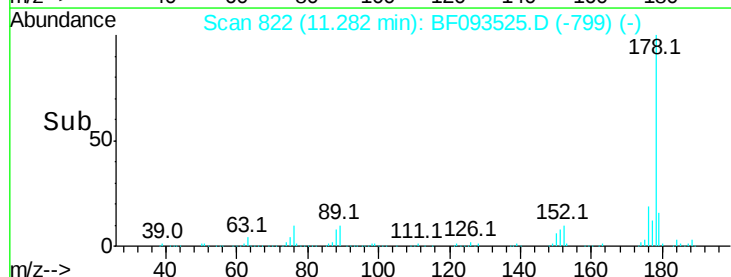
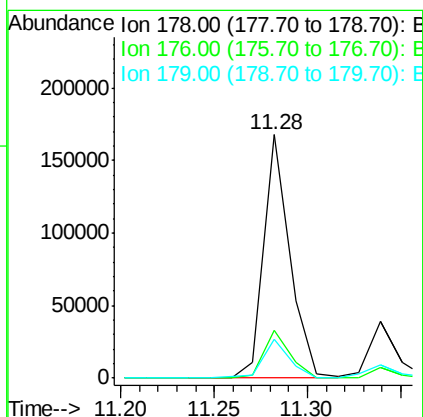
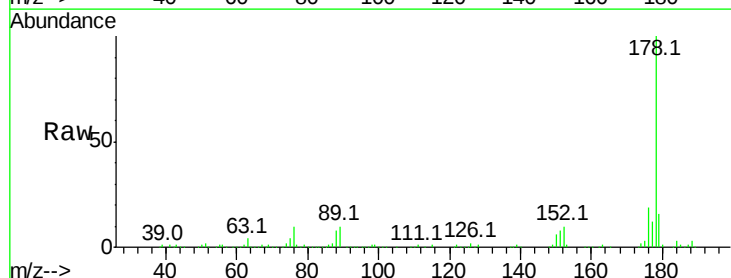
Manual Integrations
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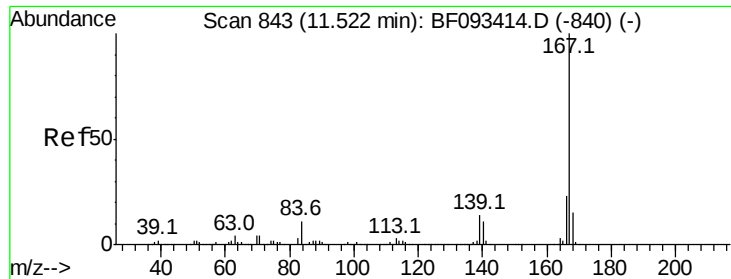
mohammad
3/13/2017 5:28:44 PM



#70
Phenanthrene
Concen: 4.68 ng
RT: 11.28 min Scan# 822
Delta R.T. -0.03 min
Lab File: BF093525.D
Acq: 10 Mar 2017 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	161974		
176	19.4		16.6	25.0
179	16.2		12.8	19.2





#72

Carbazole

Concen: 8.61 ng

RT: 11.51 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF093525.D

Acq: 10 Mar 2017 16:42

Instrument :

BNA_F

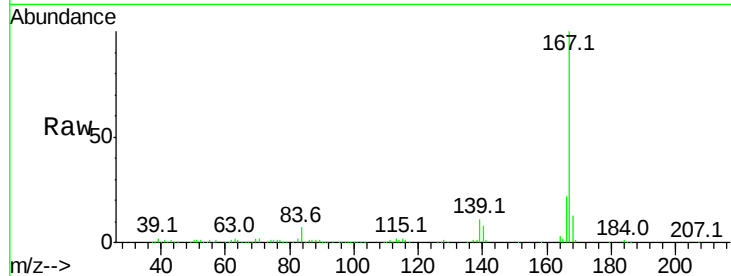
ClientSampleId :

WC-B29-B35-001

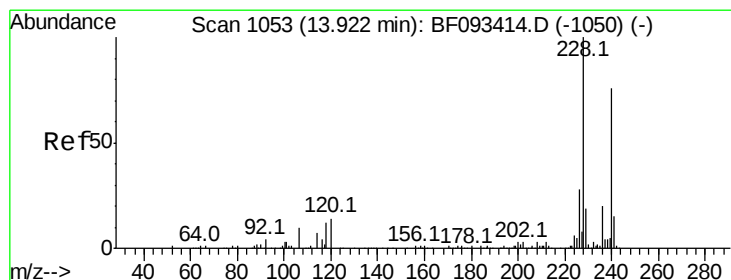
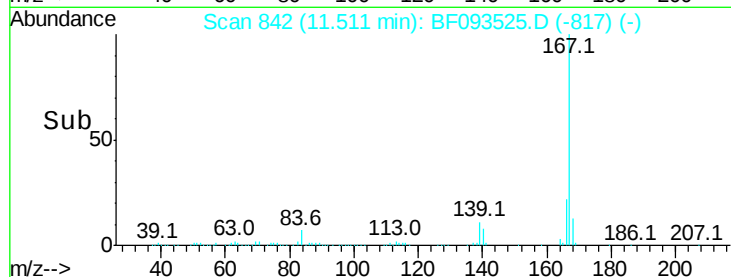
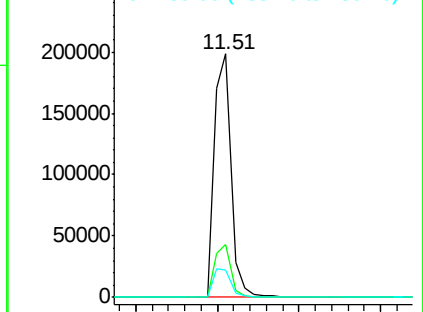
Tot Ion:	167	Resp:	283057
Ion Ratio	Lower	Upper	
167	100		
166	21.8	18.2	27.2
139	11.4	11.4	17.2#

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

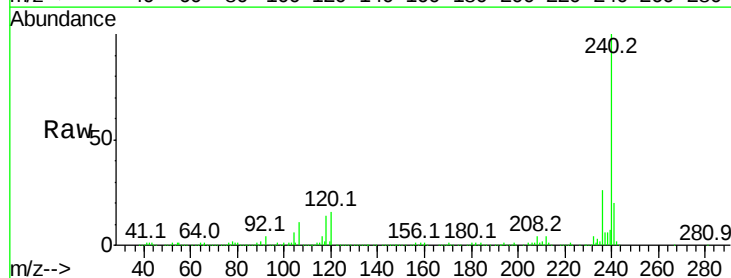
RT: 13.90 min Scan# 1051

Delta R.T. -0.02 min

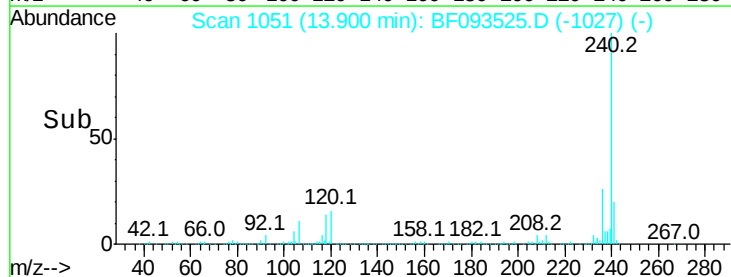
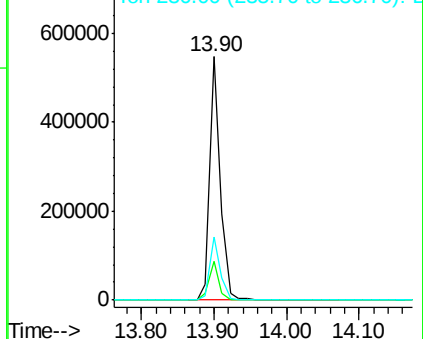
Lab File: BF093525.D

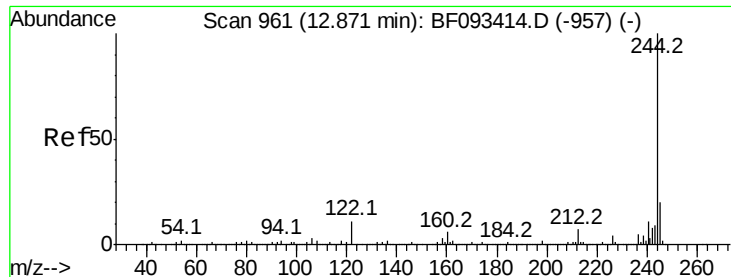
Acq: 10 Mar 2017 16:42

Tgt Ion:	240	Resp:	552792
Ion Ratio	Lower	Upper	
240	100		
120	15.7	12.9	19.3
236	26.2	20.9	31.3



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: 73.26 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093525.D

Acq: 10 Mar 2017 16:42

Instrument :

BNA_F

ClientSampleId :

WC-B29-B35-001

Tot Ion:244 Resp: 1557590

Ion Ratio Lower Upper

244 100

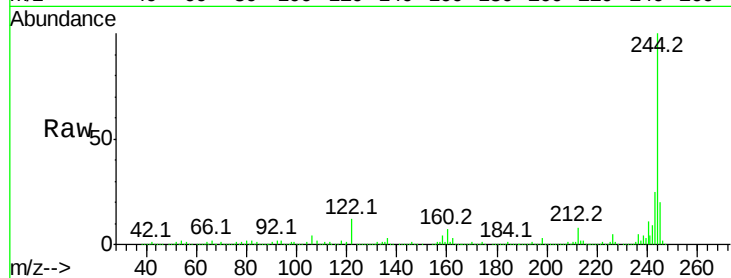
212 7.7 6.2 9.2

122 12.2 11.4 17.2

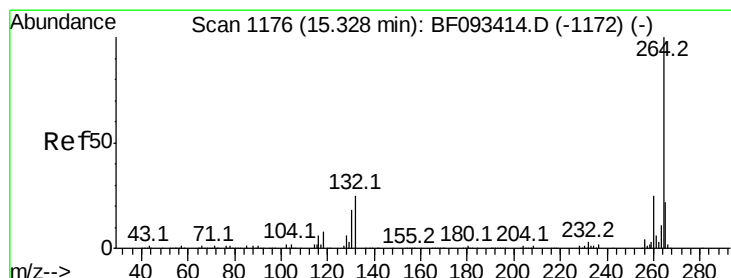
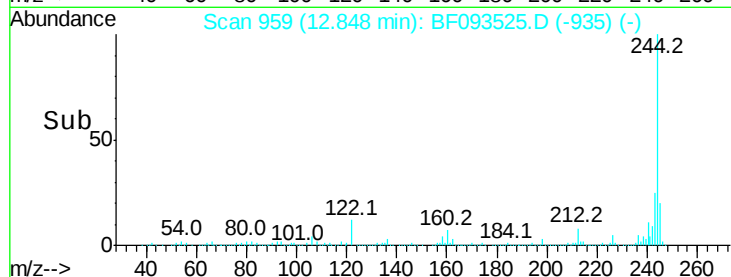
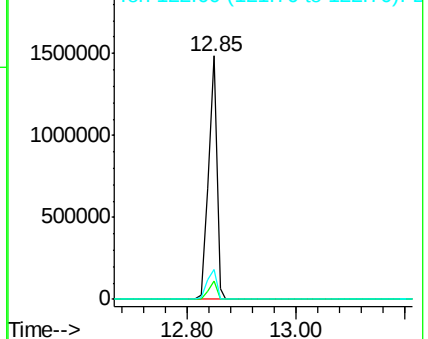
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.31 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF093525.D

Acq: 10 Mar 2017 16:42

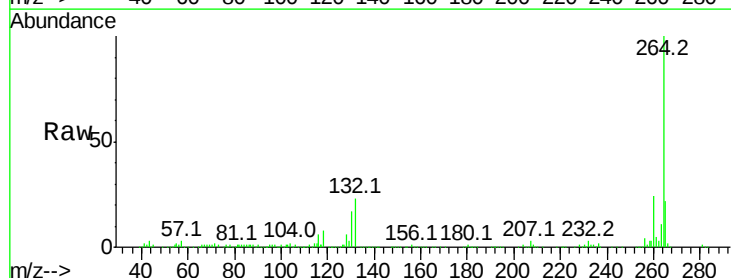
Tgt Ion:264 Resp: 369857

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 22.0 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

