

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093445.D
 Acq On : 8 Mar 2017 22:56
 Operator : SJ/MA
 Sample : I2126-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA7-BASE

Manual Integrations
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 3/10/2017 8:12:05 AM

Quant Time: Mar 09 00:34:55 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	170731m	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	685085m	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	322442	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	574839	20.00	ng	0.00
75) Chrysene-d12	13.93	240	456423	20.00	ng	0.01
86) Perylene-d12	15.34	264	295496	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1070309	104.34	ng	0.01
7) Phenol-d6	6.41	99	1292979	99.95	ng	0.00
23) Nitrobenzene-d5	7.34	82	849309	68.78	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	247964	118.03	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1257041	72.51	ng	-0.01
78) Terphenyl-d14	12.87	244	1051832	59.92	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.42	94	145533	9.18	ng	96
17) 2-Methylphenol	7.04	107	196675	20.23	ng	96
20) 3+4-Methylphenols	7.20	107	439763m	34.88	ng	
27) 2,4-Dimethylphenol	7.73	122	1008142	97.88	ng	96
31) Naphthalene	8.07	128	252011	7.34	ng	95
37) 2-Methylnaphthalene	8.77	142	109644m	5.02	ng	
49) Dimethylphthalate	9.52	163	274325	12.83	ng	97
74) Fluoranthene	12.51	202	150602	4.75	ng	94
77) Pyrene	12.73	202	143944	4.34	ng	97
80) Benzo(a)anthracene	13.92	228	68524	2.54	ng	99
82) Chrysene	13.96	228	72953	2.93	ng	98
87) Benzo(b)fluoranthene	14.95	252	74606m	4.15	ng	
89) Benzo(a)pyrene	15.29	252	53845	3.27	ng	# 97
91) Benzo(a,h,i)perylene	17.15	276	33571	2.40	ng	# 90

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

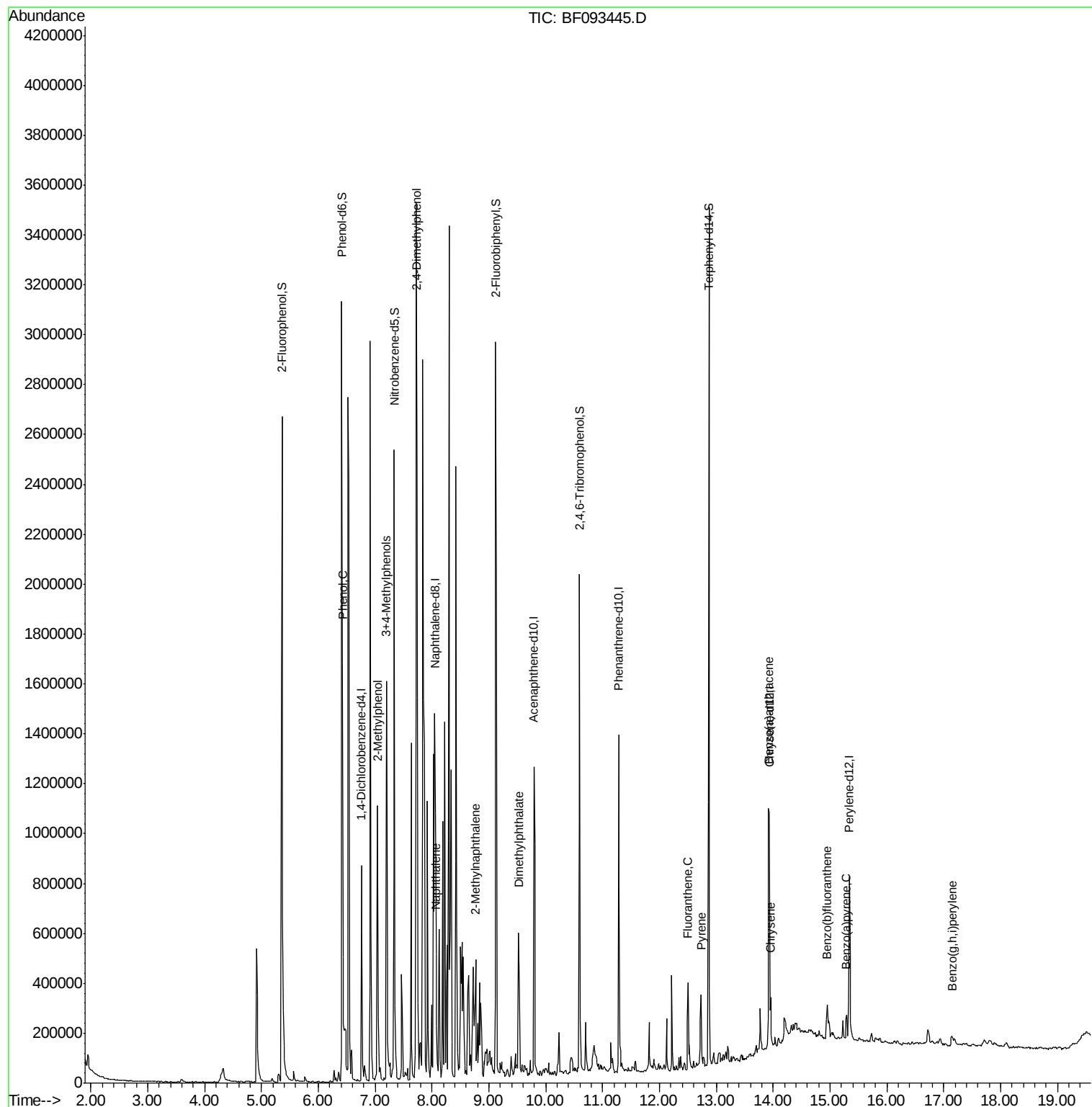
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093445.D
Acq On : 8 Mar 2017 22:56
Operator : SJ/MA
Sample : I2126-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

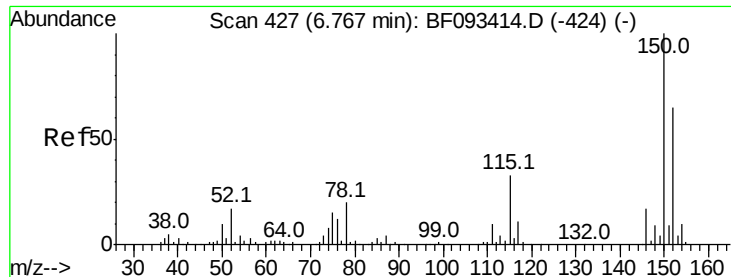
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

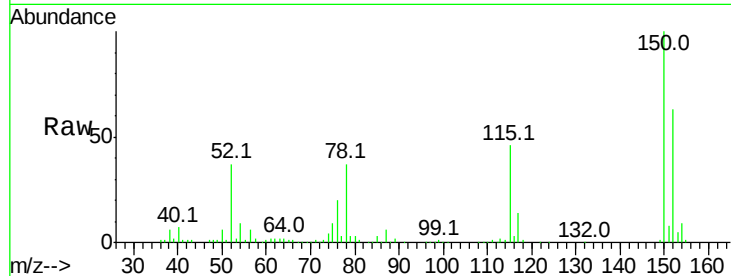
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.76 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.9	187.3
115	72.2	46.0	69.0

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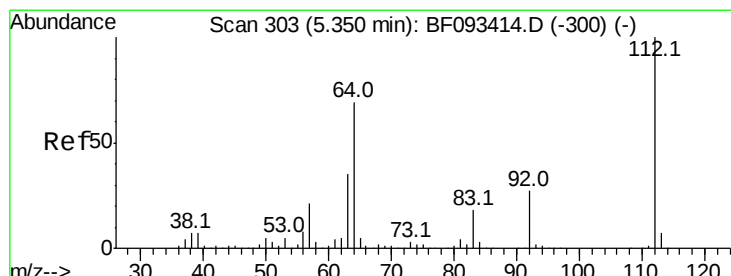
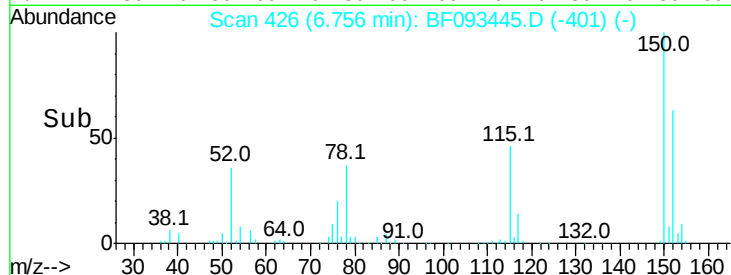
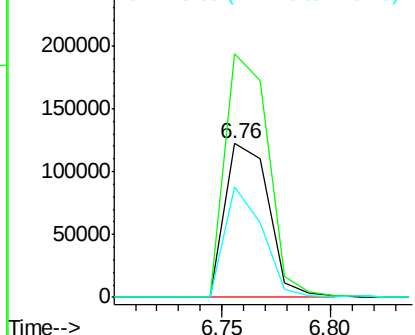


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

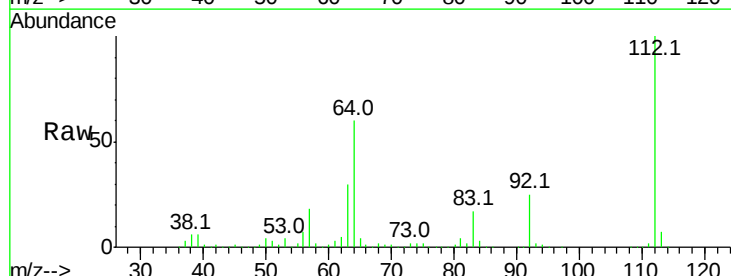
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.34 ng
RT: 5.36 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	46.1	69.1
63	29.6	23.8	35.6

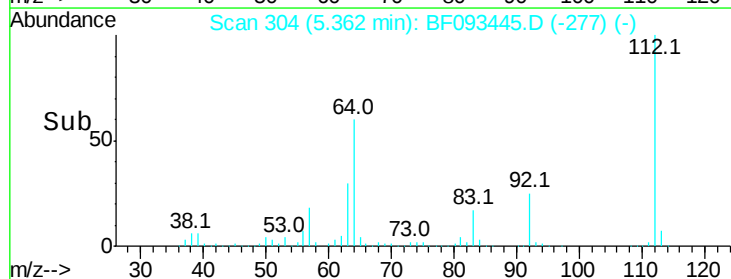
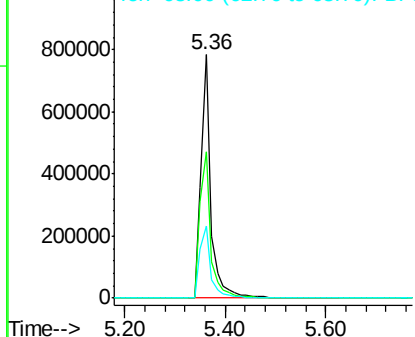


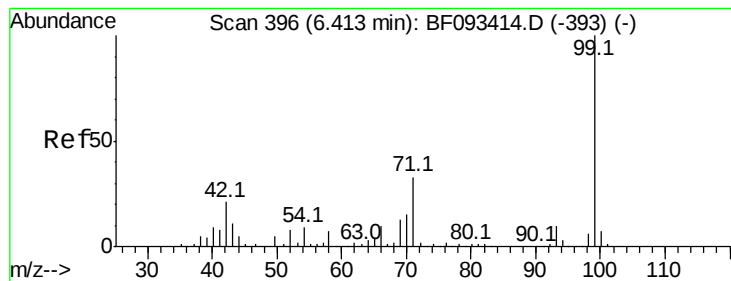
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.95 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.00 min

Lab File: BF093445.D

Acq: 8 Mar 2017 22:56

Instrument :

BNA_F

ClientSampleId :

E2-AA7-BASE

Tot Ion: 99 Resp: 1292979

Ion Ratio Lower Upper

99 100

42 21.9 15.6 23.4

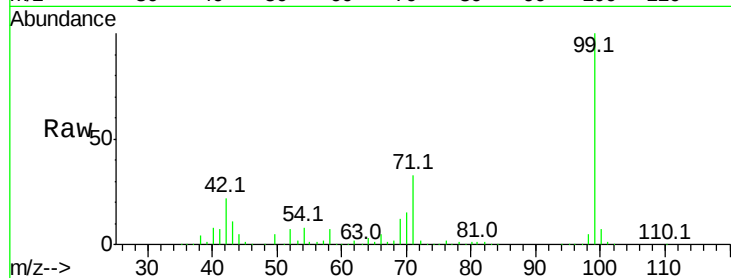
71 33.2 27.5 41.3

Manual Integrations

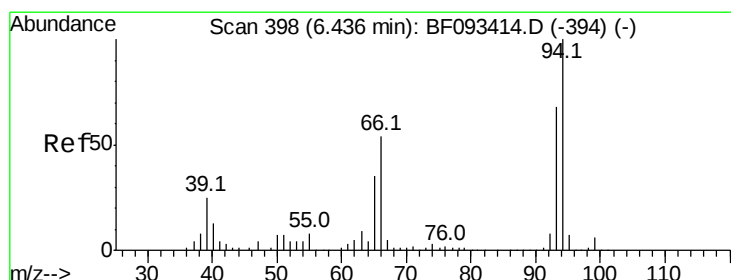
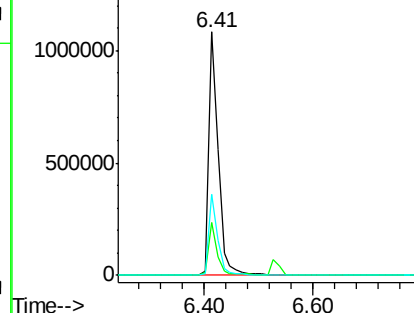
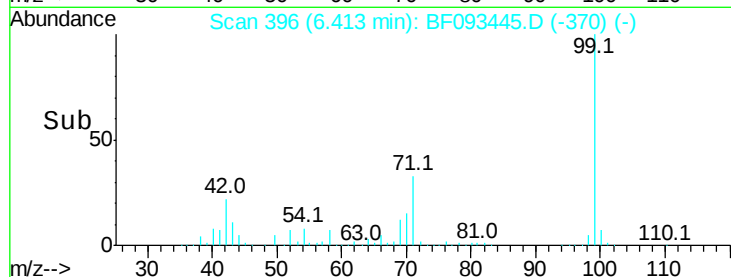
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 9.18 ng

RT: 6.42 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF093445.D

Acq: 8 Mar 2017 22:56

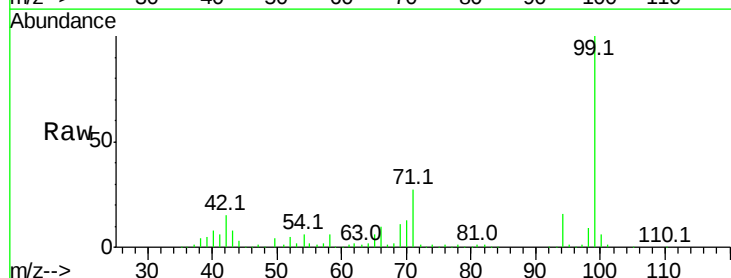
Tgt Ion: 94 Resp: 145533

Ion Ratio Lower Upper

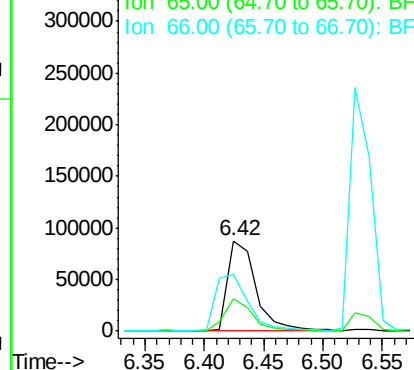
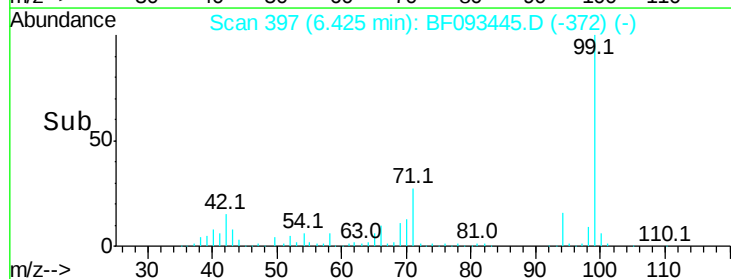
94 100

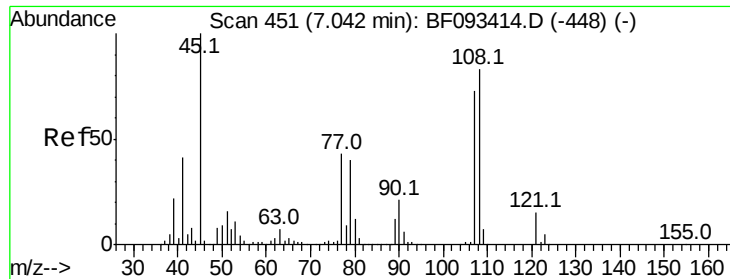
65 35.7 21.4 61.4

66 63.2 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





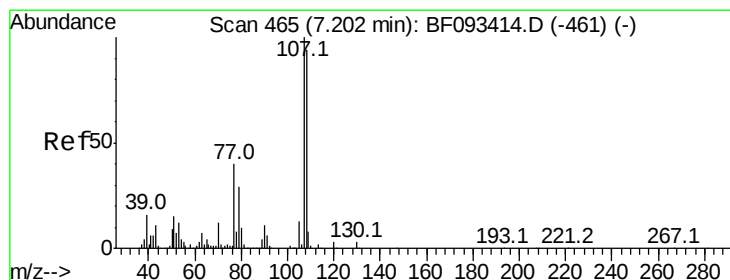
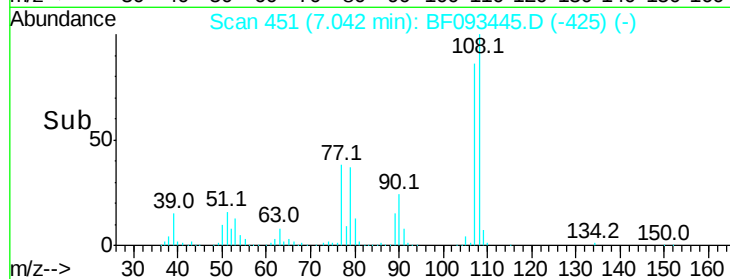
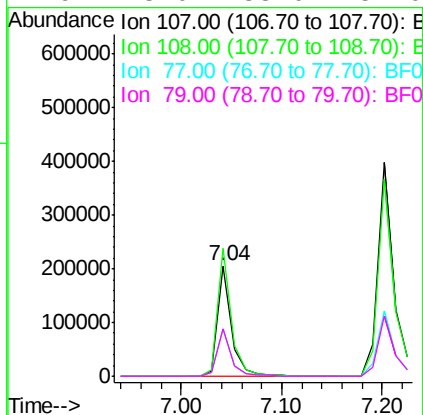
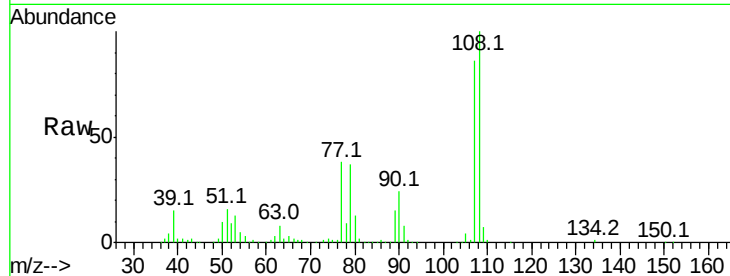
#17
2-Methylphenol
Concen: 20.23 ng
RT: 7.04 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	107	Resp	196675
Ion	Ratio	Lower	Upper
107	100		
108	115.7	93.0	139.6
77	43.4	39.8	59.8
79	43.0	38.0	57.0

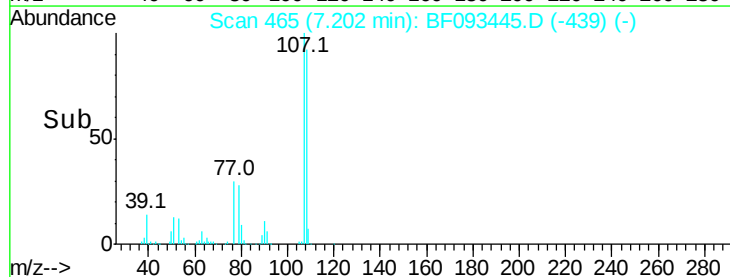
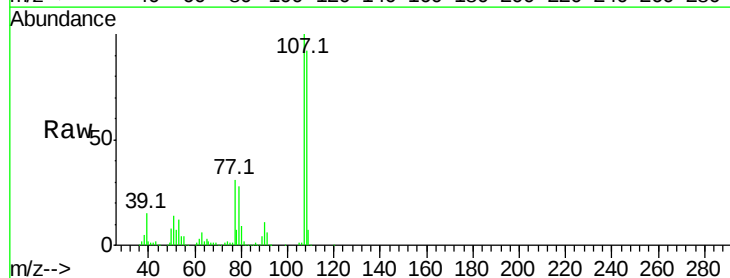
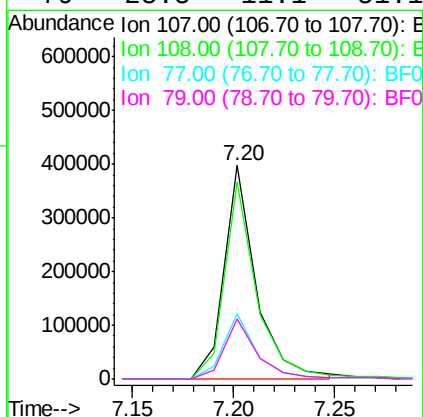
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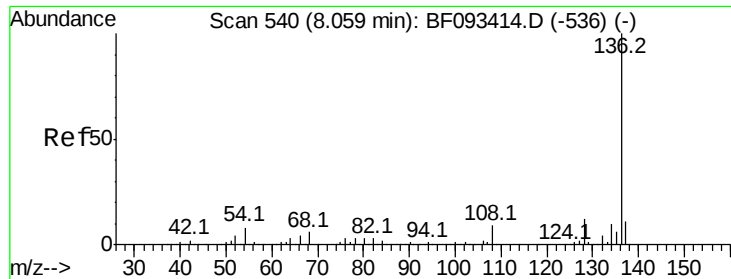
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#20
3+4-Methylphenols
Concen: 34.88 ng m
RT: 7.20 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	107	Resp	439763
Ion	Ratio	Lower	Upper
107	100		
108	92.1	73.0	113.0
77	30.5	71.3	111.3#
79	28.5	11.1	51.1





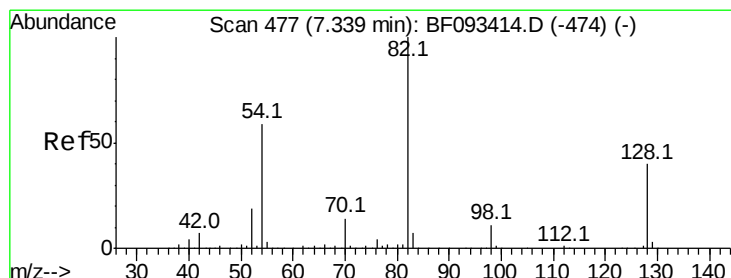
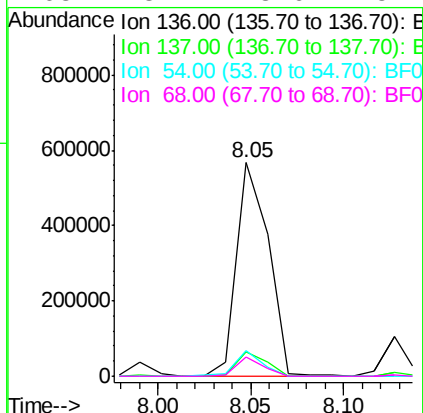
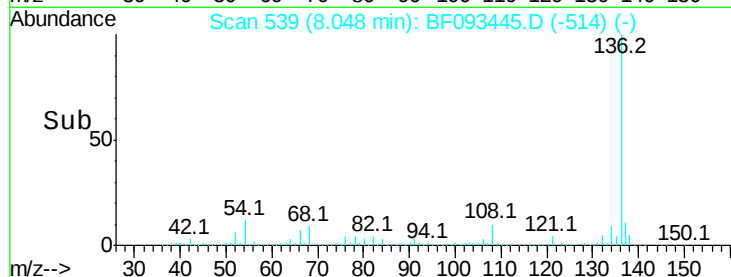
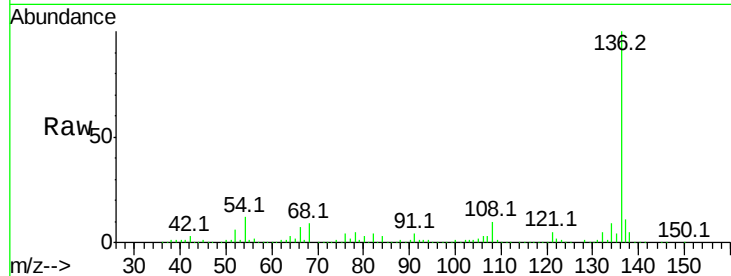
#21
Naphthalene-d8
Concen: 20.00 ng/mL
RT: 8.05 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.4	8.4	12.6
54	12.3	4.5	6.7#
68	8.7	3.6	5.4#

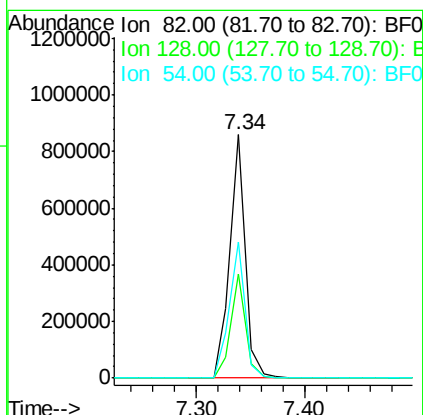
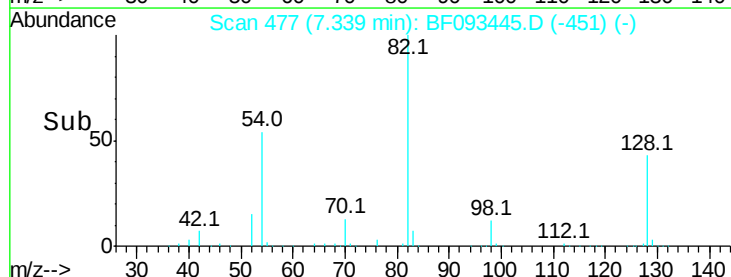
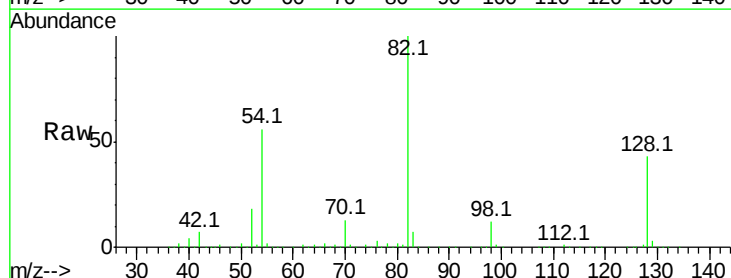
Manual Integrations
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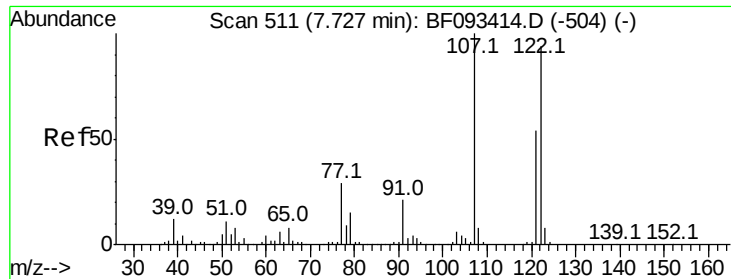
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#23
Nitrobenzene-d5
Concen: 68.78 ng
RT: 7.34 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	42.8	34.6	52.0
54	55.7	39.5	59.3





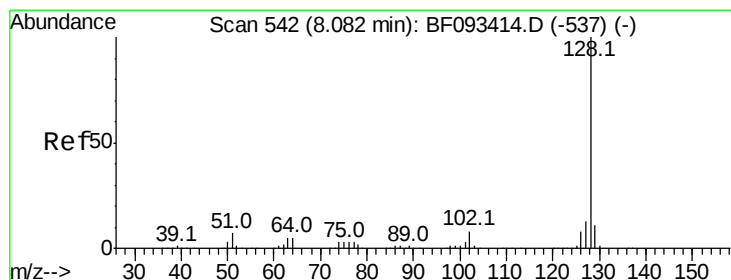
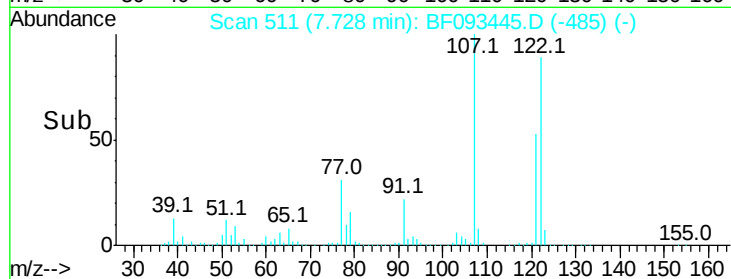
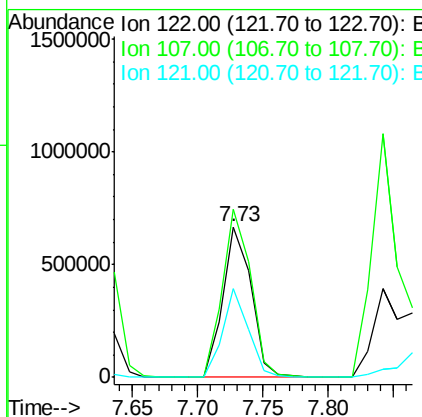
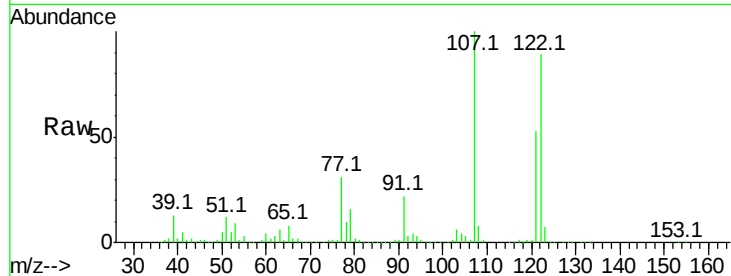
#27
2,4-Dimethylphenol
Concen: 97.88 ng
RT: 7.73 min Scan# 511
Delta R.T. 0.00 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	Ion	Ratio	Lower	Upper
122	100			
107	111.9	94.1	141.1	
121	58.8	46.0	69.0	

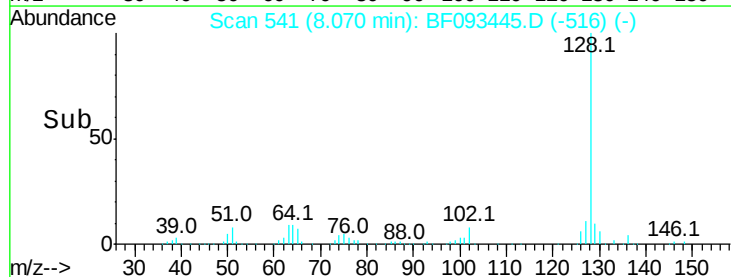
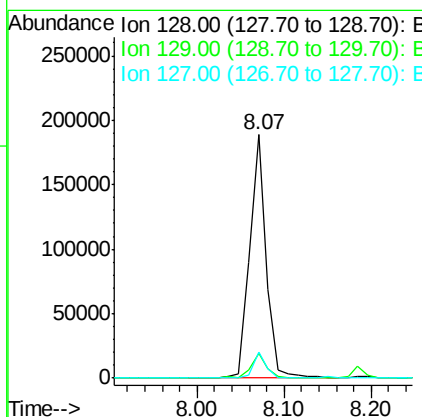
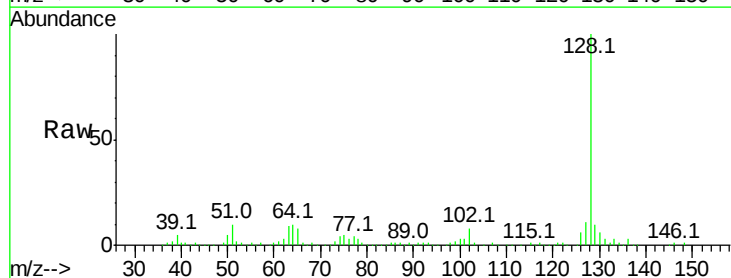
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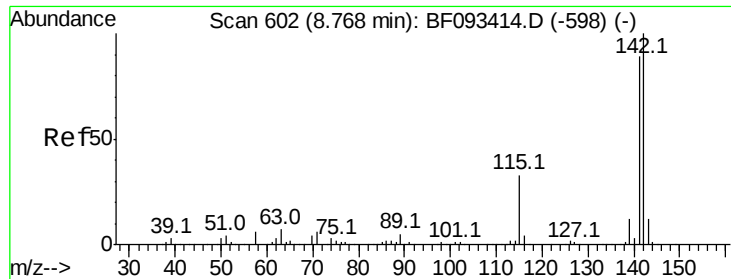
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#31
Naphthalene
Concen: 7.34 ng
RT: 8.07 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
129	10.3	9.5	14.3	
127	10.9	10.8	16.2	





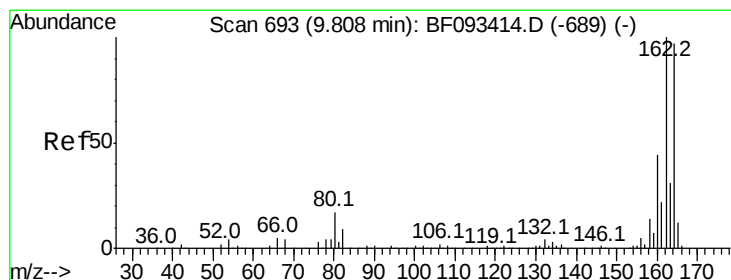
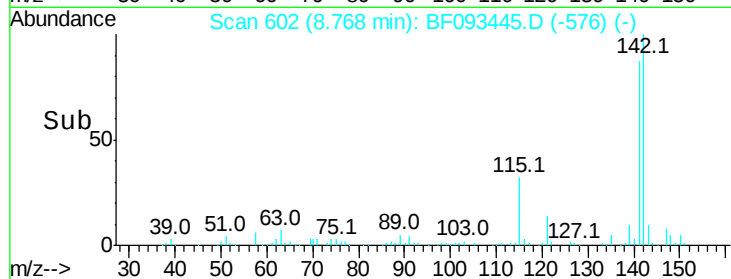
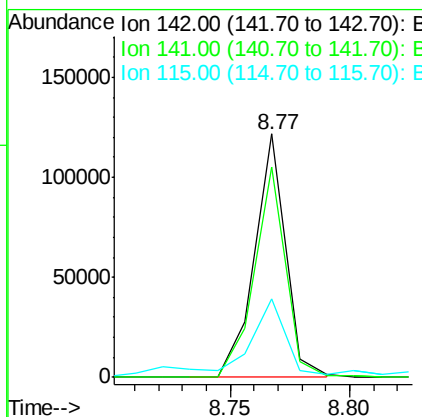
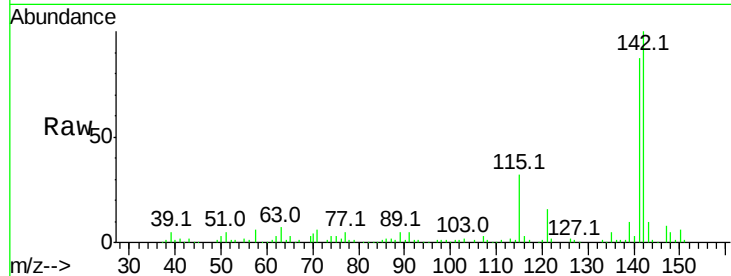
#37
2-Methylnaphthalene
Concen: 5.02 ng
RT: 8.77 min Scan# 602
Delta R.T. 0.00 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.6	71.0	106.6
115	32.1	28.3	42.5

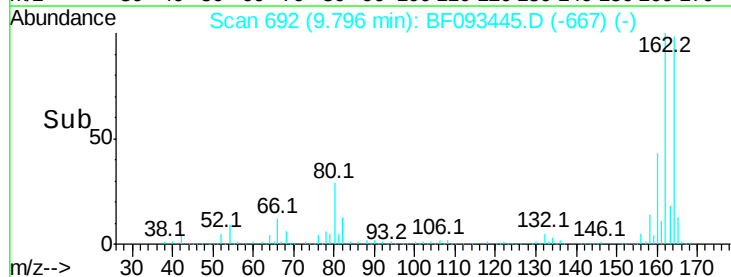
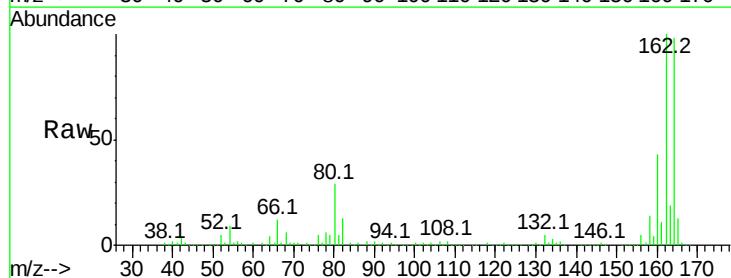
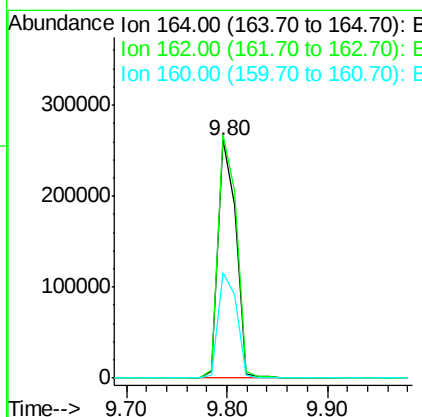
Manual Integrations
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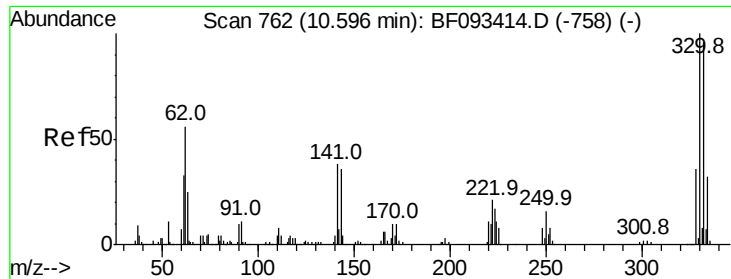
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.2	120.2
160	44.2	36.9	55.3





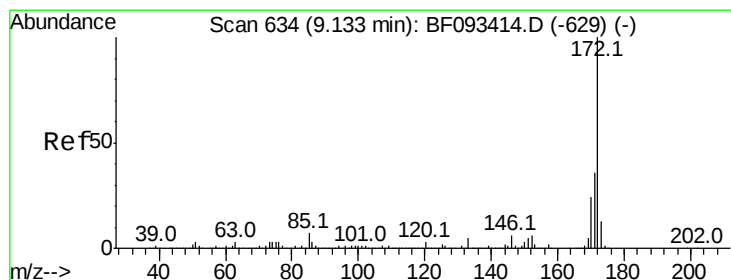
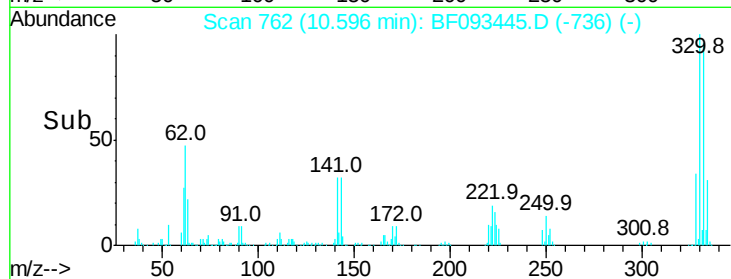
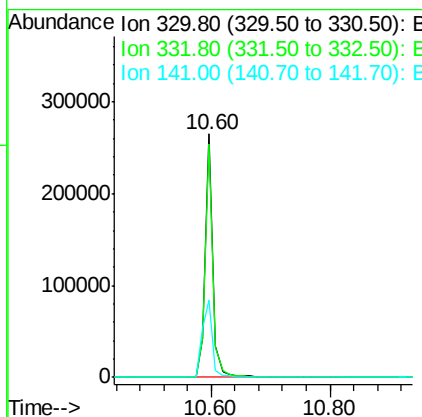
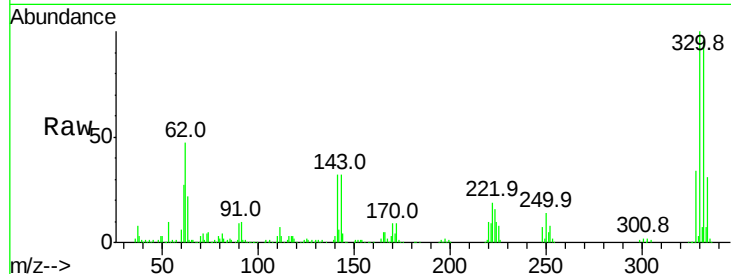
#41
 2,4,6-Tribromophenol
 Concen: 118.03 ng
 RT: 10.60 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF093445.D
 Acq: 8 Mar 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA7-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.2
141	42.3	34.1	51.1

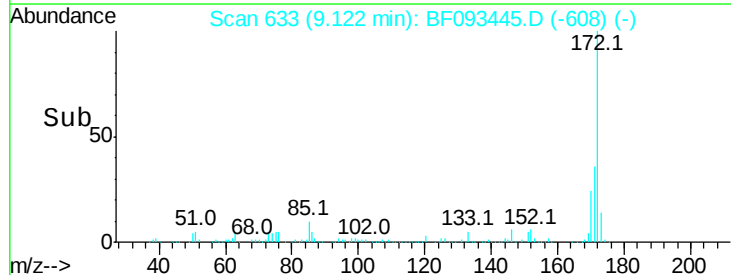
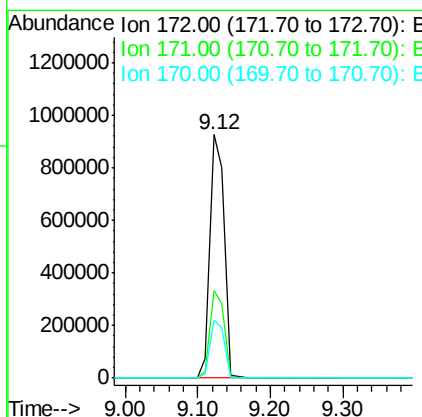
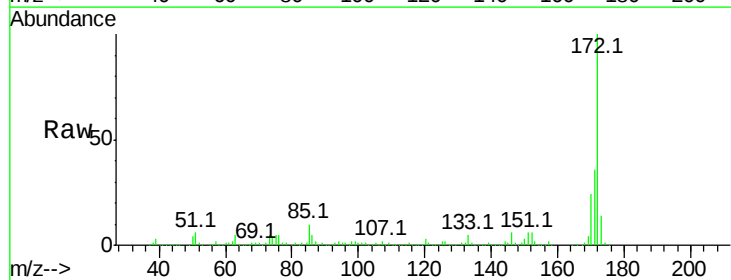
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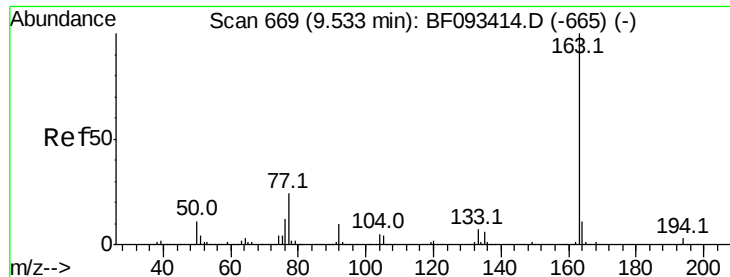
mohammad
 3/10/2017 8:12:05 AM



#44
 2-Fluorobiphenyl
 Concen: 72.51 ng
 RT: 9.12 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF093445.D
 Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.8	20.2	30.4





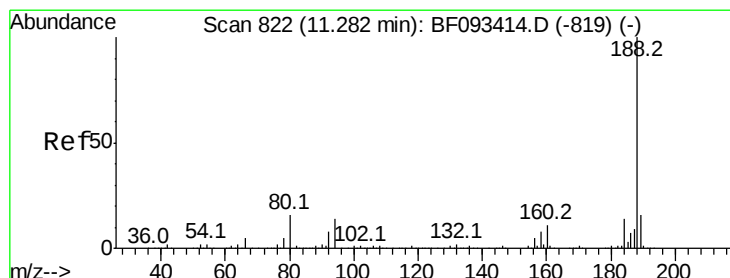
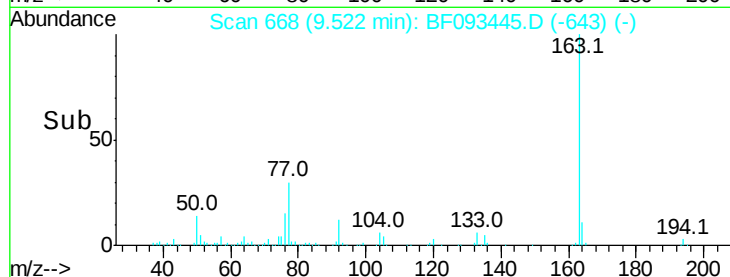
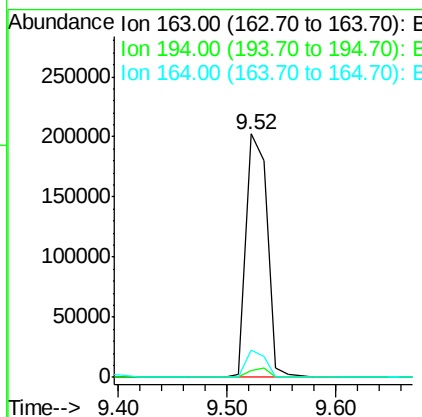
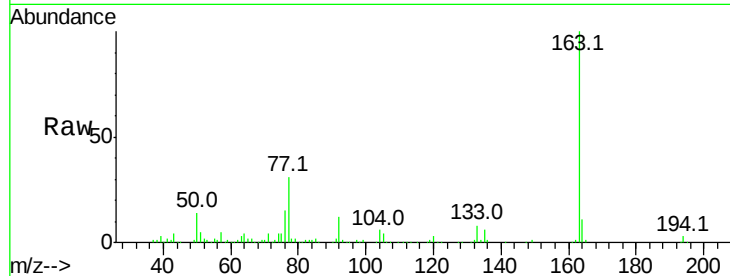
#49
Dimethylphthalate
Concen: 12.83 ng
RT: 9.52 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	274325		
194	3.0		3.0	4.4
164	11.1		8.0	12.0

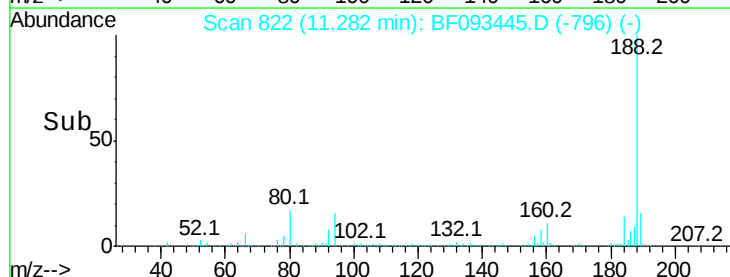
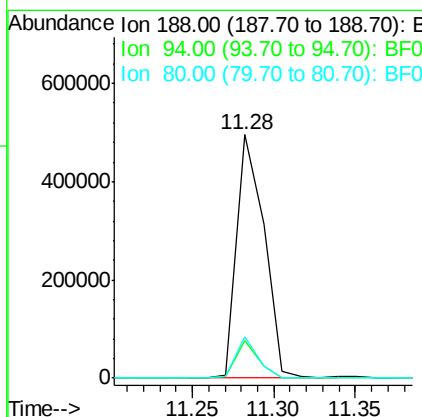
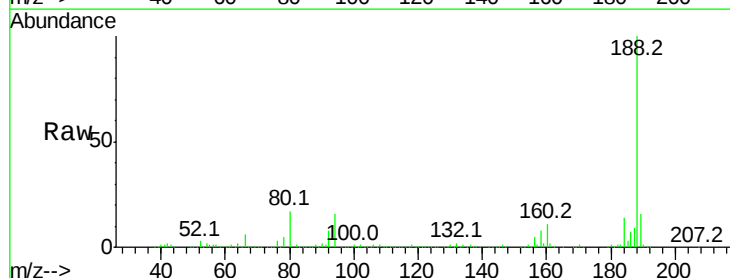
Manual Integrations
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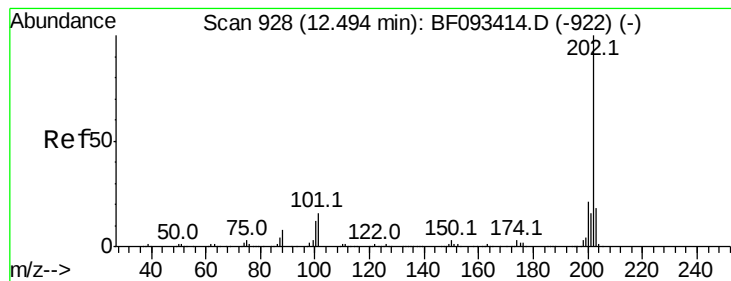
mohammad
3/10/2017 8:12:05 AM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	574839		
94	15.5		10.0	15.0#
80	17.0		11.2	16.8#





#74

Fluoranthene

Concen: 4.75 ng

RT: 12.51 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF093445.D

Acq: 8 Mar 2017 22:56

Instrument :

BNA_F

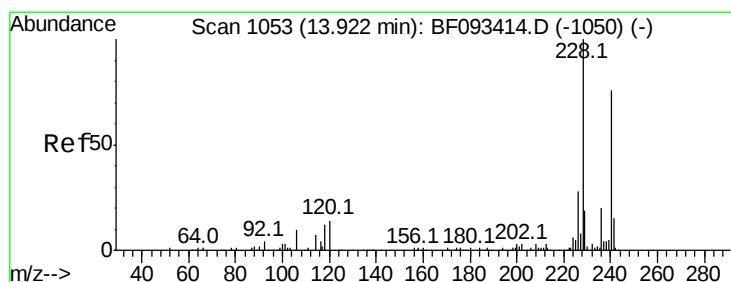
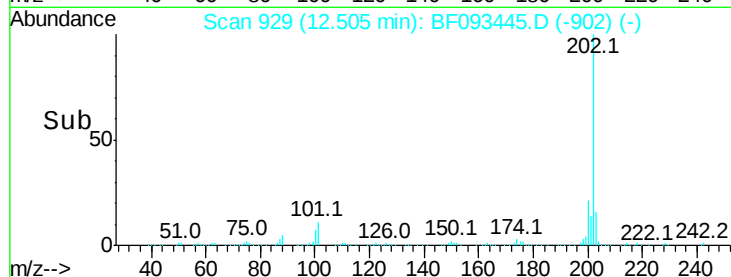
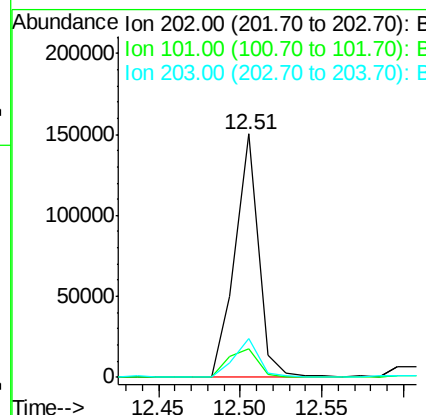
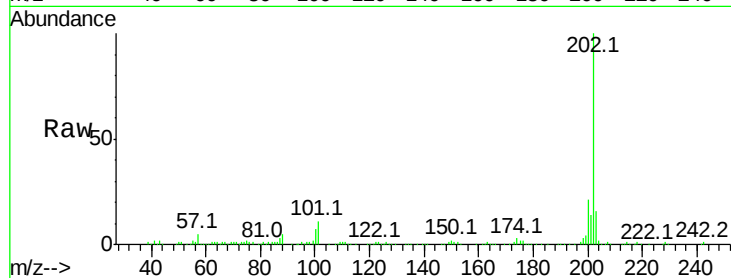
ClientSampleId :

E2-AA7-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	34.6
203	16.2	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

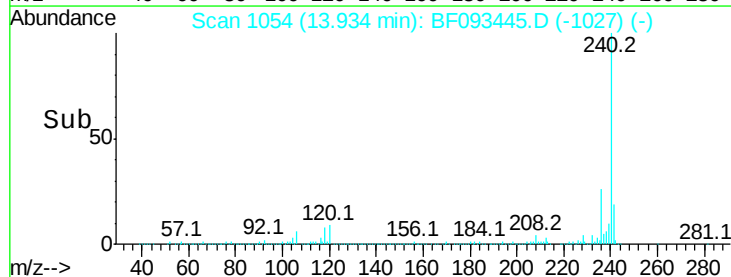
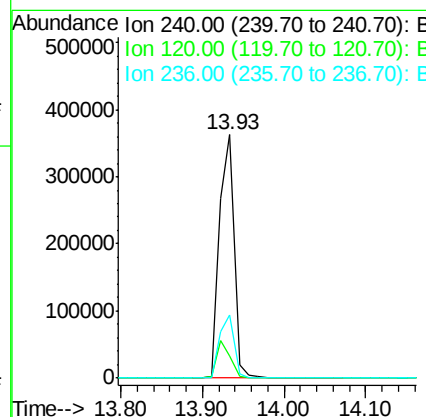
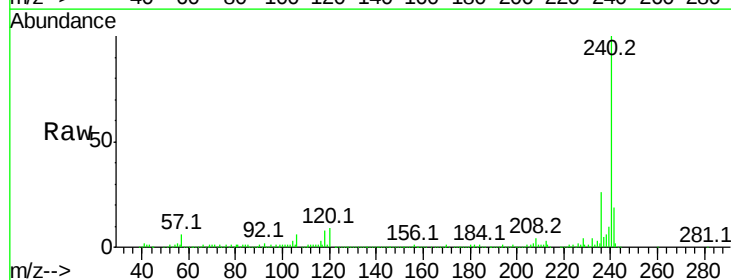
RT: 13.93 min Scan# 1054

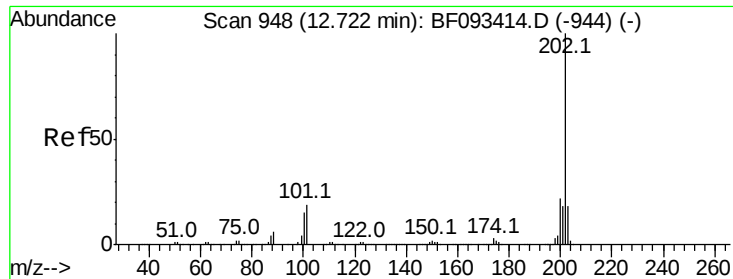
Delta R.T. 0.01 min

Lab File: BF093445.D

Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	12.9	19.3#
236	26.0	20.9	31.3





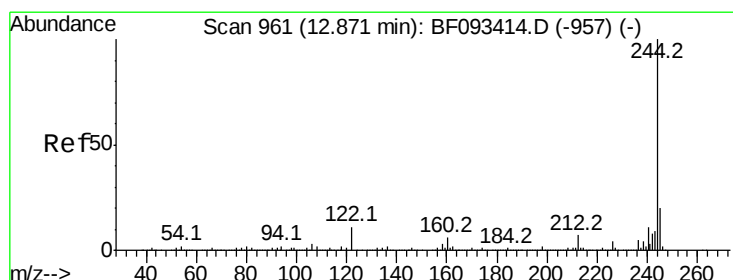
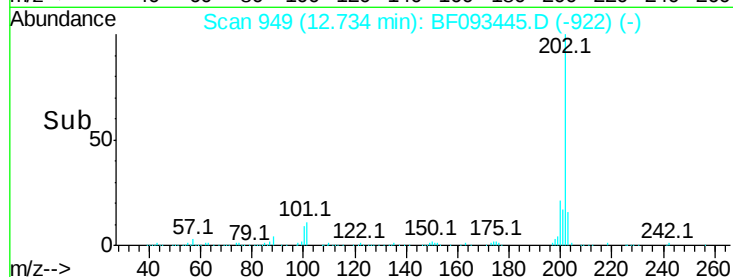
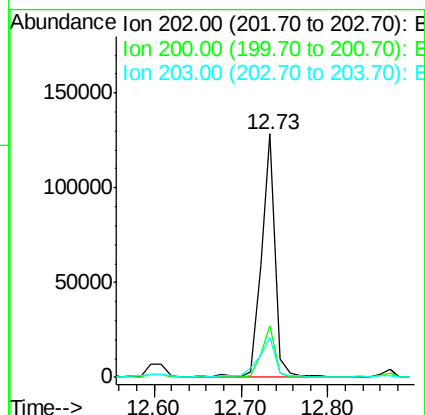
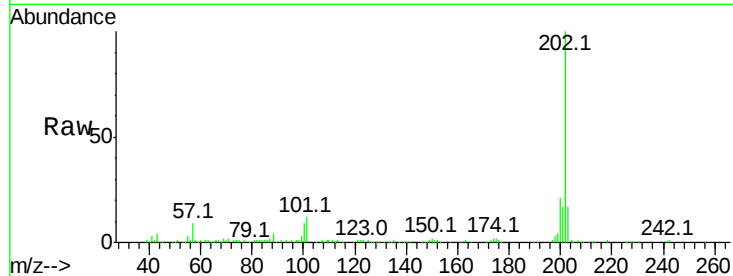
#77
Pvrene
Concen: 4.34 ng
RT: 12.73 min Scan# 949
Delta R.T. 0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	16.7	14.7	22.1

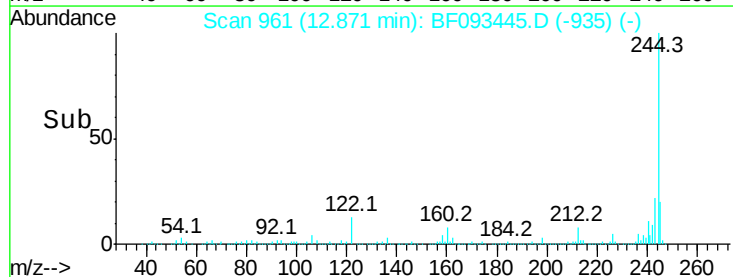
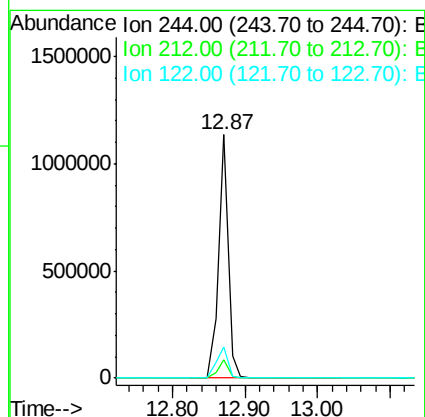
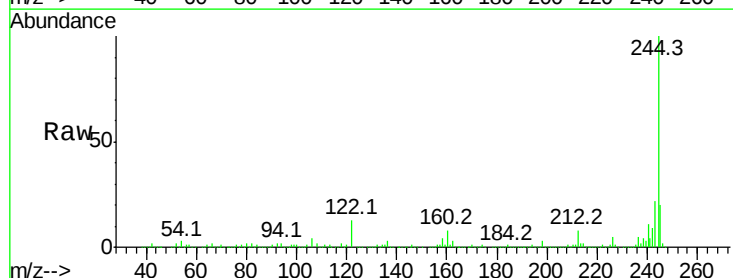
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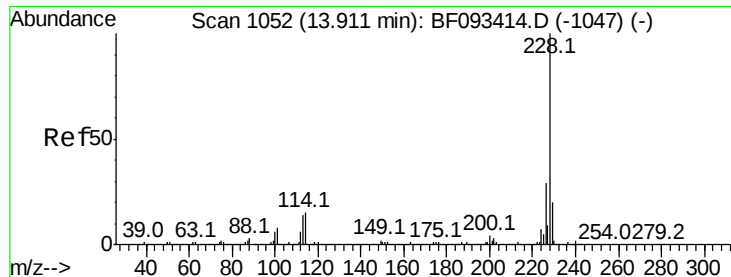
mohammad
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#78
Terphenyl-d14
Concen: 59.92 ng
RT: 12.87 min Scan# 961
Delta R.T. 0.00 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	12.7	11.4	17.2





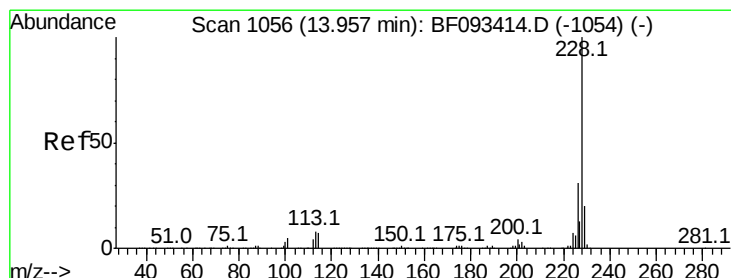
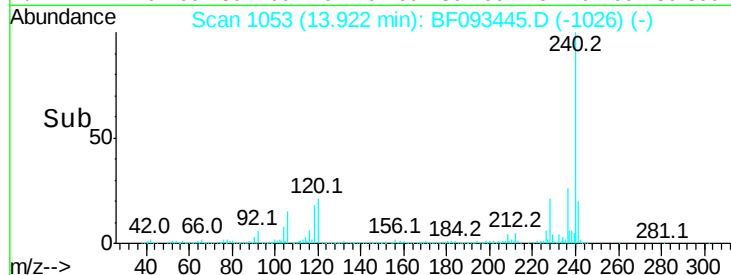
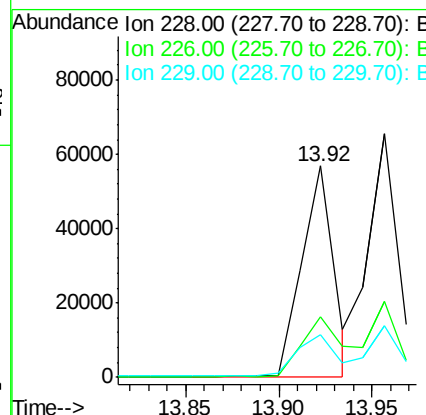
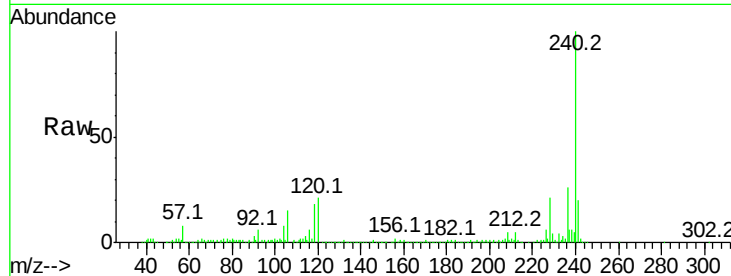
#80
Benzo(a)anthracene
Concen: 2.54 ng
RT: 13.92 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.4	33.6
229	20.3	16.2	24.4

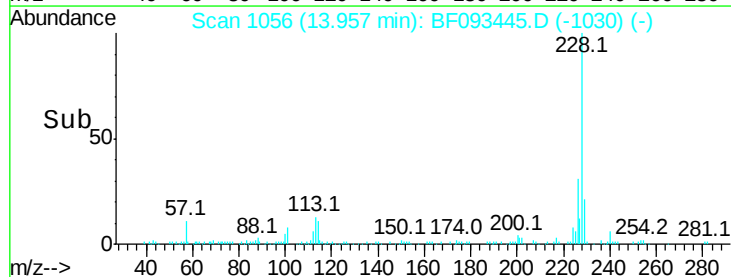
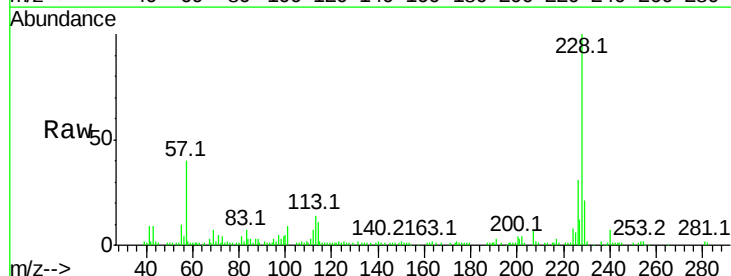
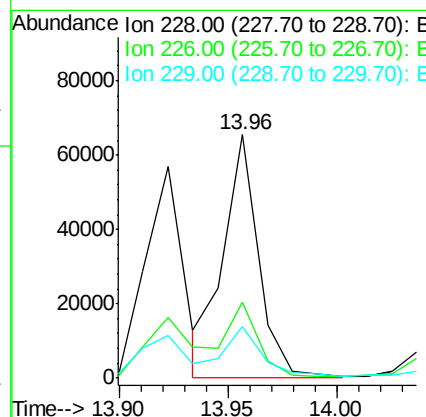
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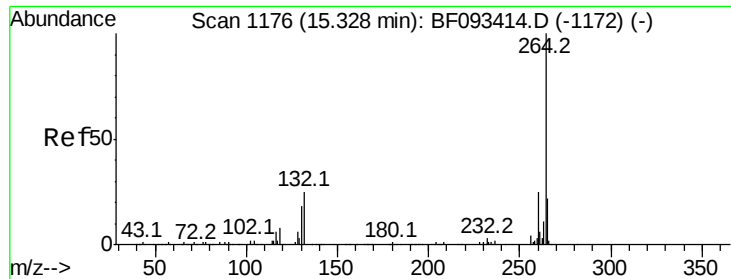
mohammad
3/10/2017 8:12:05 AM



#82
Chrysene
Concen: 2.93 ng
RT: 13.96 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	21.1	16.2	24.2





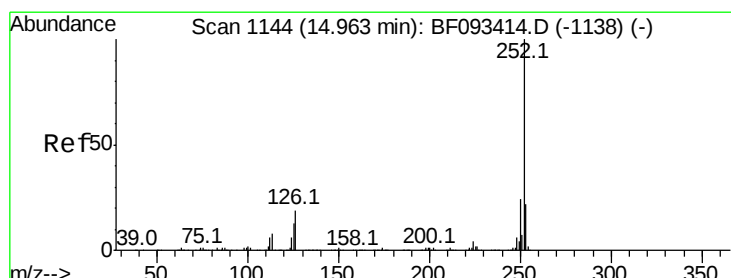
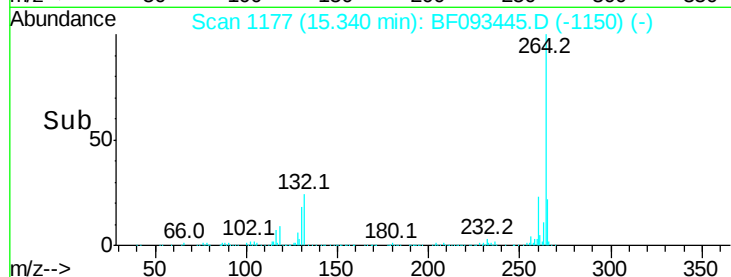
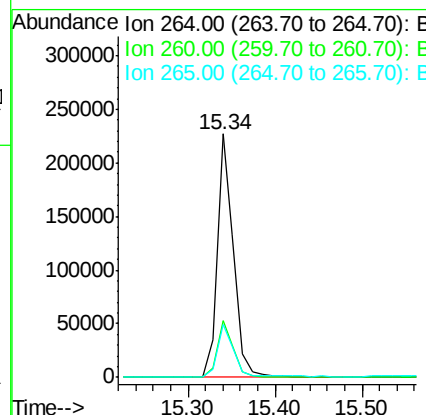
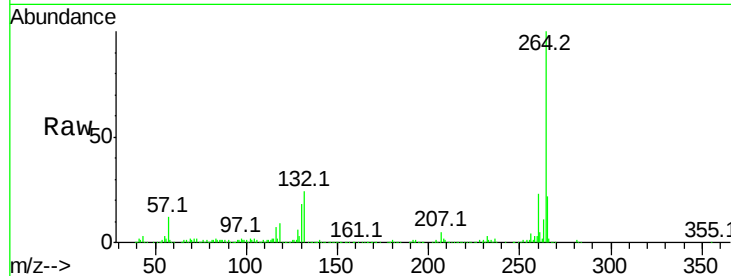
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	Ratio	Resp	Lower	Upper
264	100	295496		
260	23.4	19.2	28.8	
265	21.9	17.4	26.0	

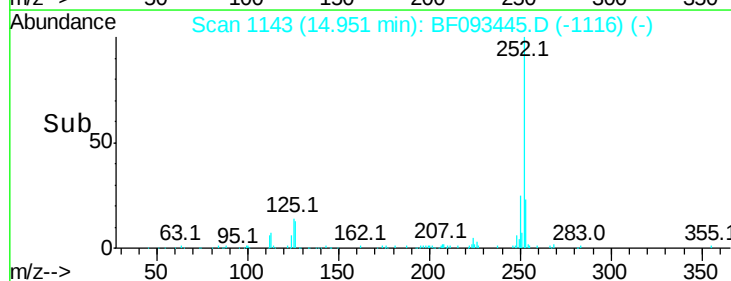
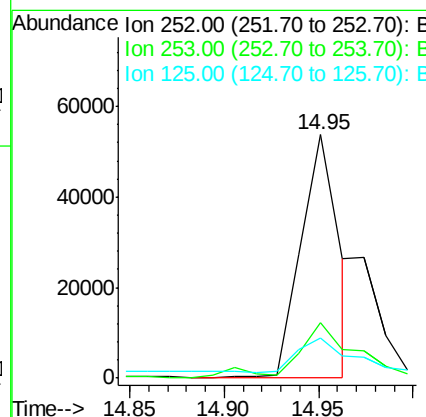
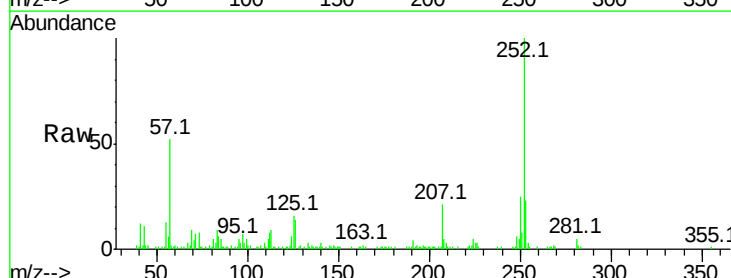
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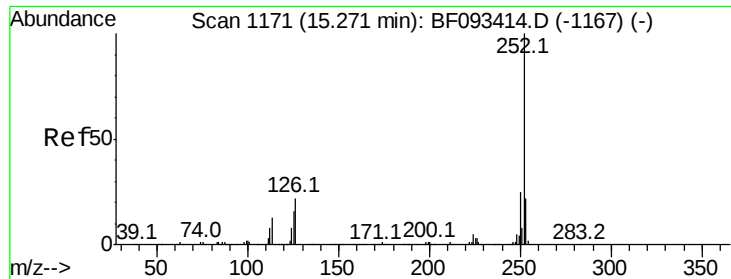
mohammad
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#87
Benzo(b)fluoranthene
Concen: 4.15 ng m
RT: 14.95 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	74606		
253	22.5	18.2	27.4	
125	16.5	9.8	14.6#	





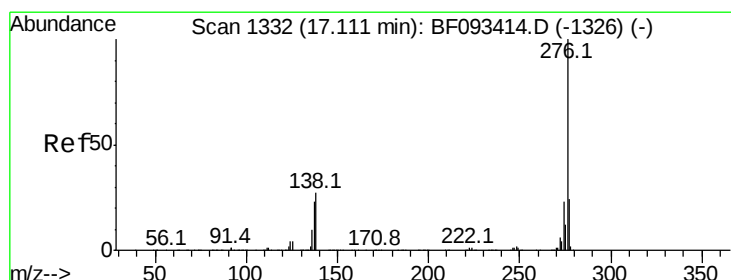
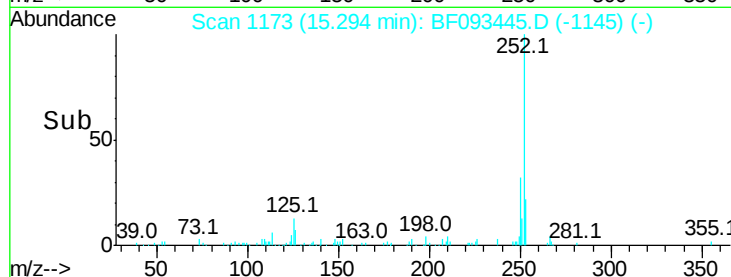
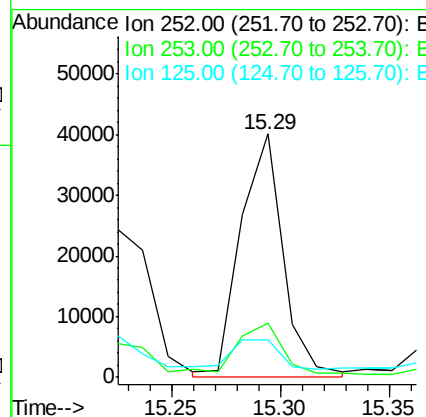
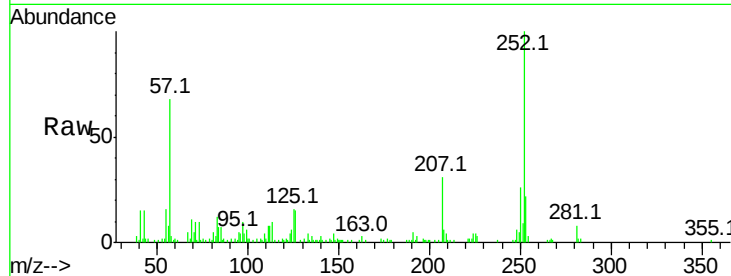
#89
Benzo(a)pyrene
Concen: 3.27 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-AA7-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	15.7	10.0	15.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.40 ng
RT: 17.15 min Scan# 1335
Delta R.T. 0.03 min
Lab File: BF093445.D
Acq: 8 Mar 2017 22:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	27.2	16.0	24.0#

