

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094052.D
 Acq On : 30 Mar 2017 8:35
 Operator : SJ/MA
 Sample : I2431-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-T11-SSW

Manual Integrations
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Quant Time: Mar 30 08:58:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	161360	20.00	ng	-0.03
21) Naphthalene-d8	7.43	136	629100	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	265982	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	405485	20.00	ng	-0.03
75) Chrysene-d12	14.65	240	296638	20.00	ng	-0.03
86) Perylene-d12	16.29	264	244359	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	872677	91.35	ng	-0.01
7) Phenol-d6	5.53	99	1105070	93.50	ng	-0.02
23) Nitrobenzene-d5	6.57	82	610450	55.38	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	166609	79.27	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	1292372	74.11	ng	-0.03
78) Terphenyl-d14	13.37	244	770589	58.23	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.45	128	149663	4.95	ng	98
37) 2-Methylnaphthalene	8.29	142	121968	6.05	ng	98
48) Acenaphthylene	9.39	152	97955	3.51	ng	97
49) Dimethylphthalate	9.25	163	77758	4.11	ng	100
54) Dibenzofuran	9.82	168	51789	2.34	ng	# 95
70) Phenanthrene	11.42	178	222941	9.88	ng	99
71) Anthracene	11.49	178	88543	3.81	ng	98
74) Fluoranthene	12.89	202	351687	15.23	ng	99
77) Pyrene	13.16	202	353989	16.44	ng	98
80) Benzo(a)anthracene	14.63	228	197777m	11.43	ng	
82) Chrysene	14.68	228	245342	15.28	ng	97
85) Indeno(1,2,3-cd)pyrene	17.64	276	107755	7.75	ng	94
87) Benzo(b)fluoranthene	15.87	252	323557m	21.60	ng	
88) Benzo(k)fluoranthene	15.90	252	90440m	6.17	ng	
89) Benzo(a)pyrene	16.22	252	159874	11.59	ng	95
90) Dibenzo(a,h)anthracene	17.66	278	29824	2.55	ng	# 81
91) Benzo(g,h,i)perylene	18.04	276	101136	8.59	ng	98

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

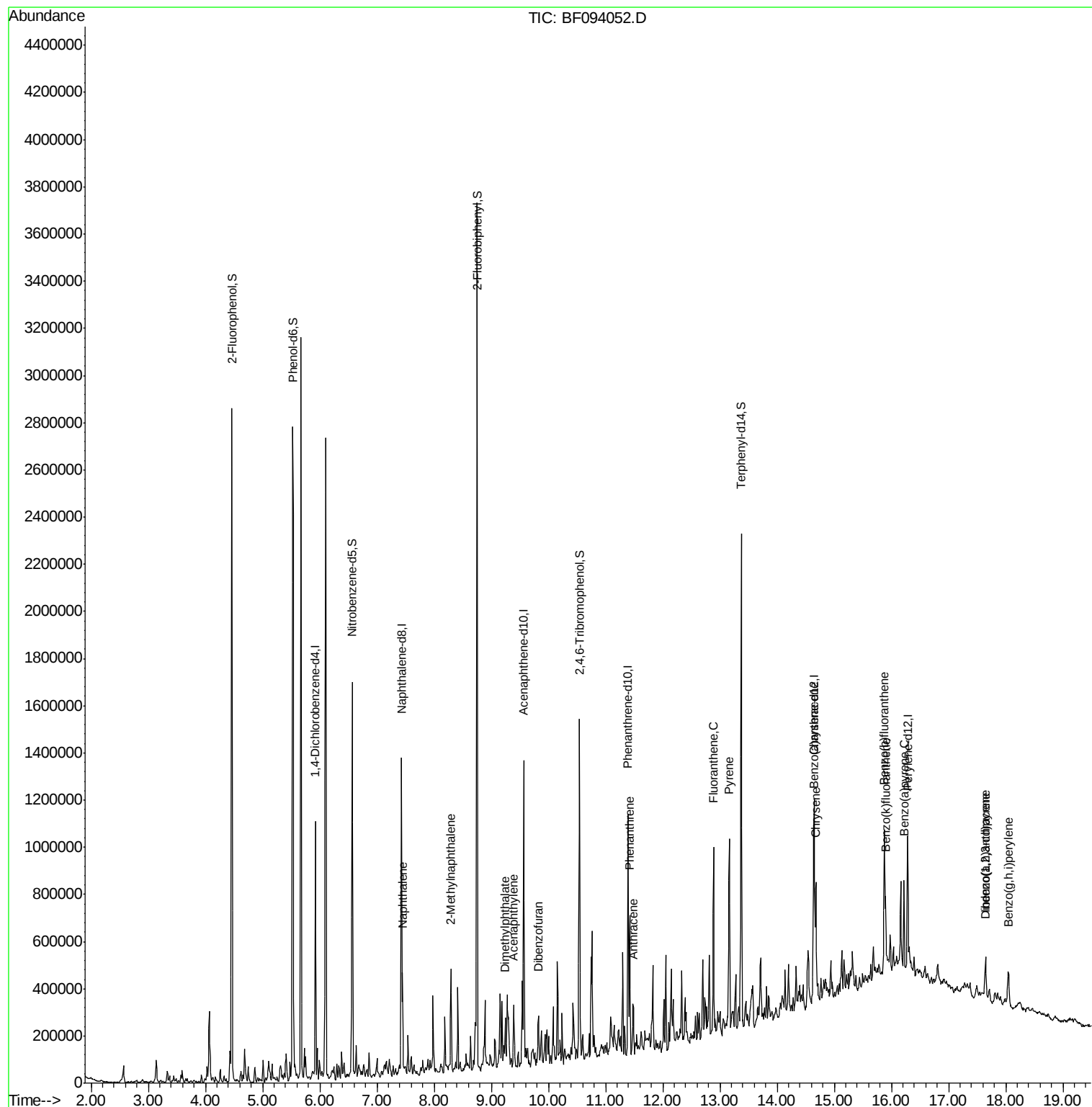
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
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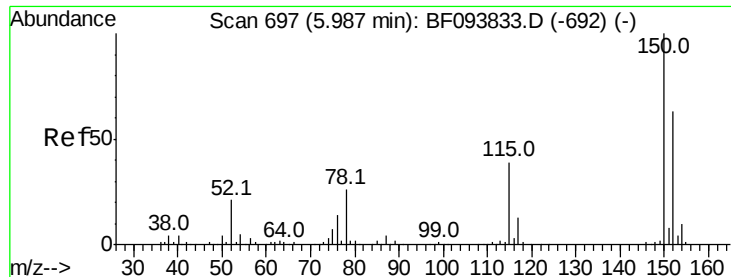
Instrument :
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#1

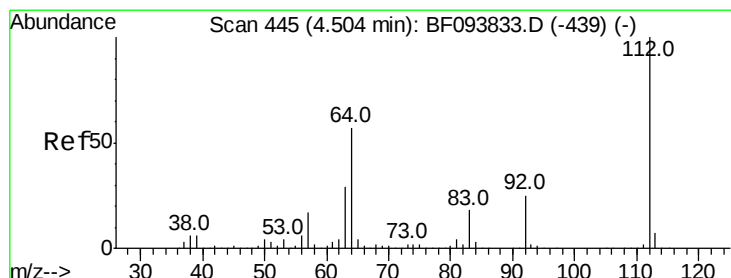
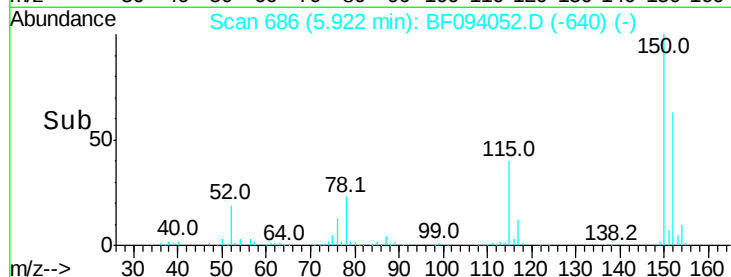
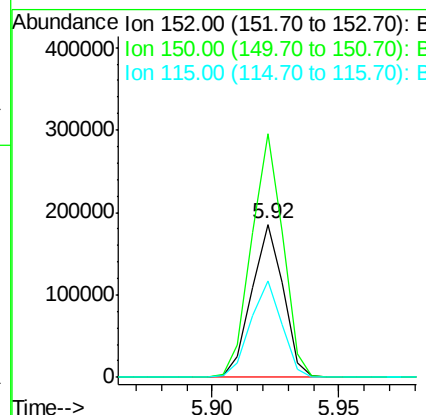
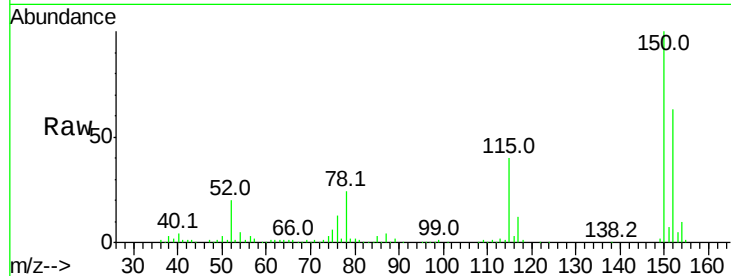
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Instrument :
BNA_F
ClientSampleId :
E2-T11-SSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.2	189.2
115	63.0	52.2	78.2

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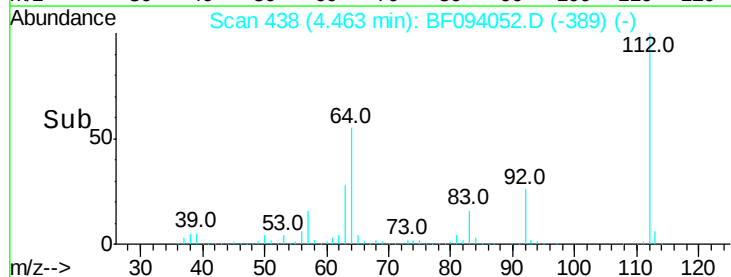
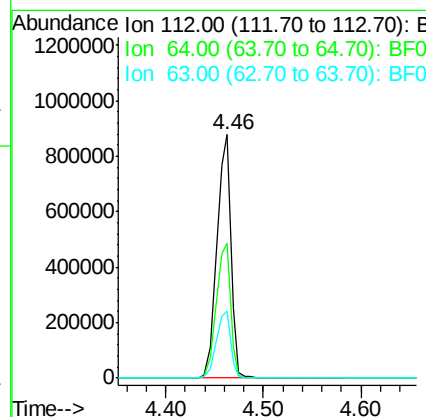
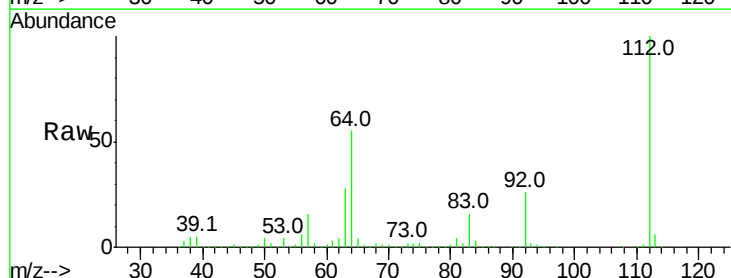
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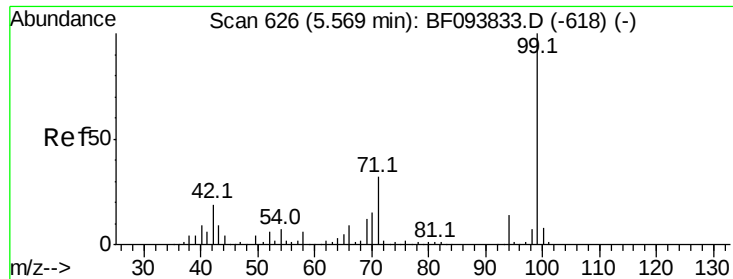


#5

2-Fluorophenol
Concen: 91.35 ng
RT: 4.46 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.0	69.0
63	27.6	23.4	35.0





#7

Phenol-d6

Concen: 93.50 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094052.D

Acq: 30 Mar 2017 8:35

Instrument :

BNA_F

ClientSampleId :

E2-T11-SSW

Tot Ion: 99 Resp: 1105070

Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

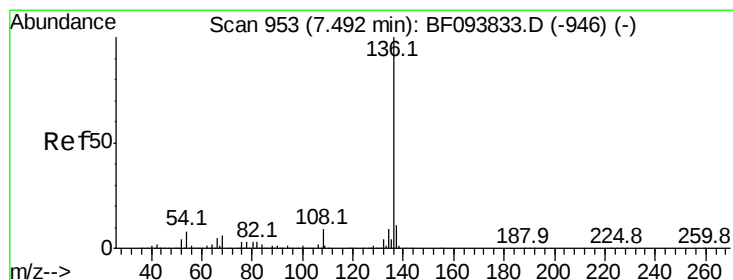
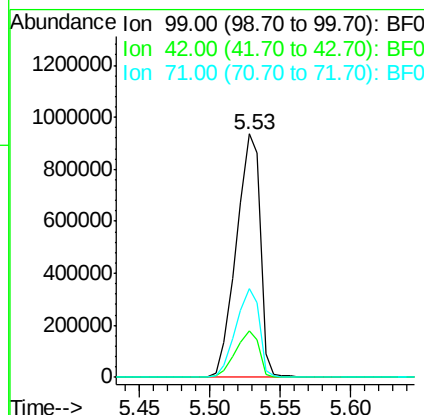
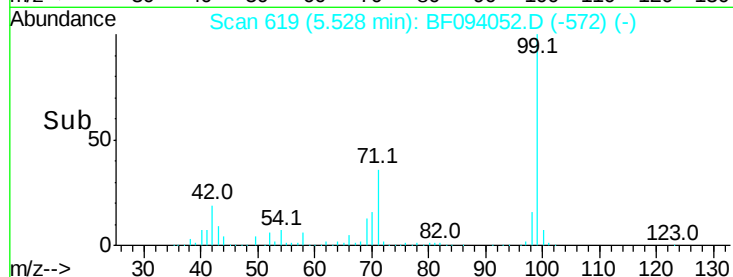
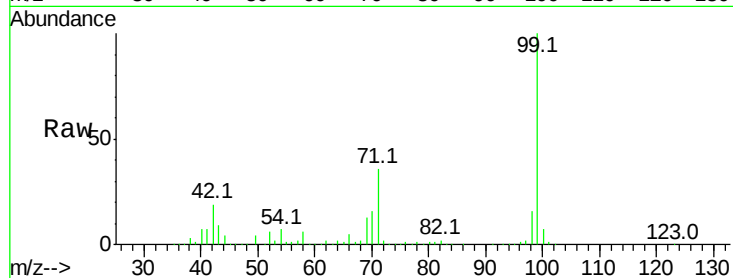
71 36.4 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094052.D

Acq: 30 Mar 2017 8:35

Tgt Ion: 136 Resp: 629100

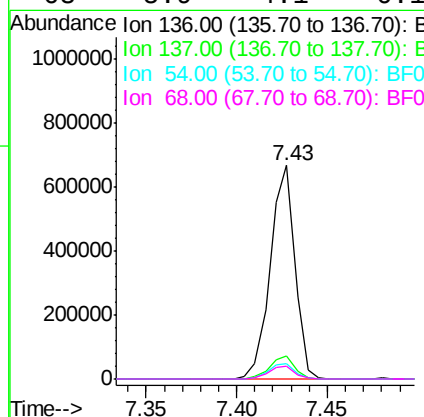
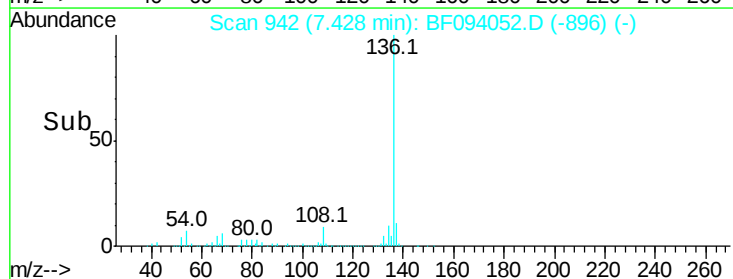
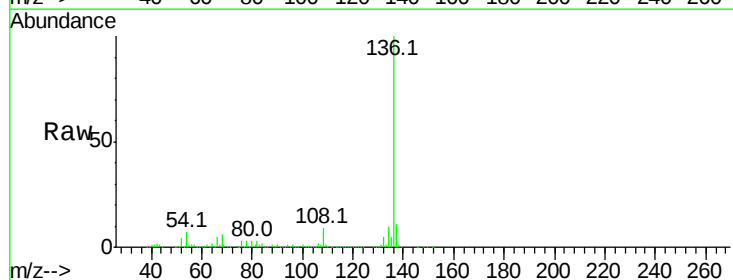
Ion Ratio Lower Upper

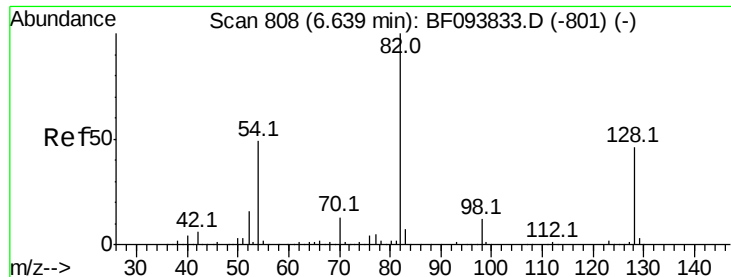
136 100

137 10.8 8.5 12.7

54 7.3 4.9 7.3

68 5.9 4.1 6.1





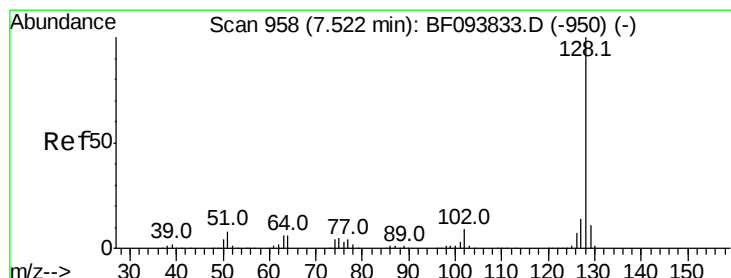
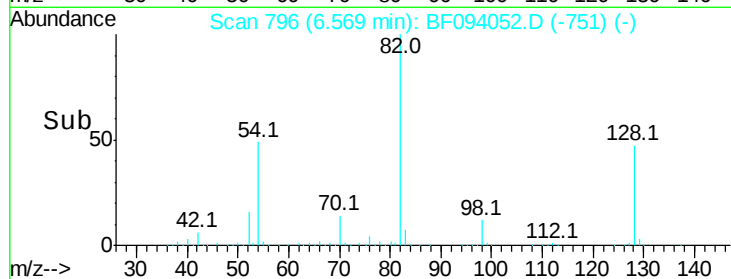
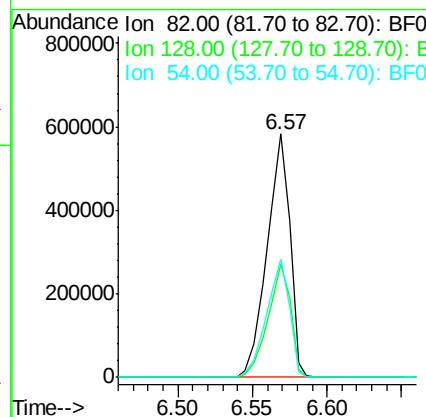
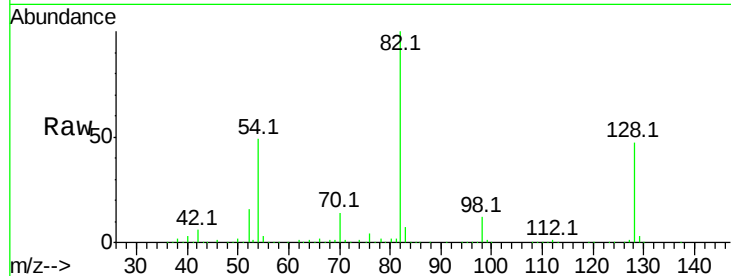
#23
 Nitrobenzene-d5
 Concen: 55.38 ng
 RT: 6.57 min Scan# 796
 Delta R.T. -0.04 min
 Lab File: BF094052.D
 Acq: 30 Mar 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :
 E2-T11-SSW

Tot Ion:	82	Resp:	610450
Ion Ratio	Lower	Upper	
82	100		
128	46.7	34.0	51.0
54	48.7	42.2	63.2

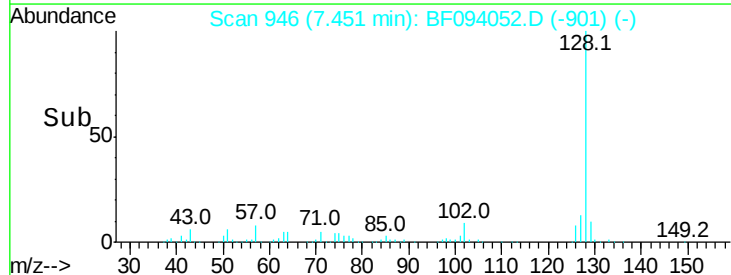
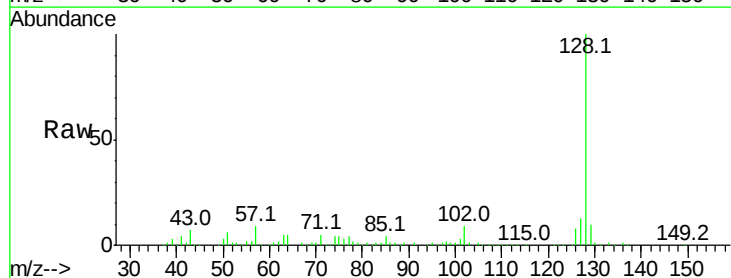
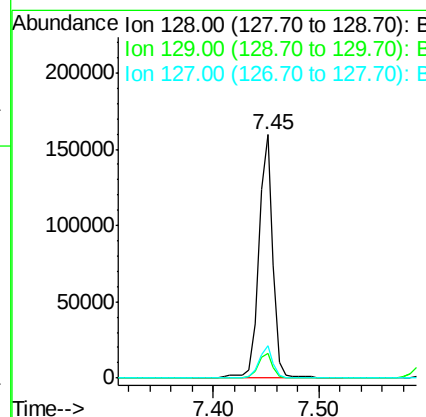
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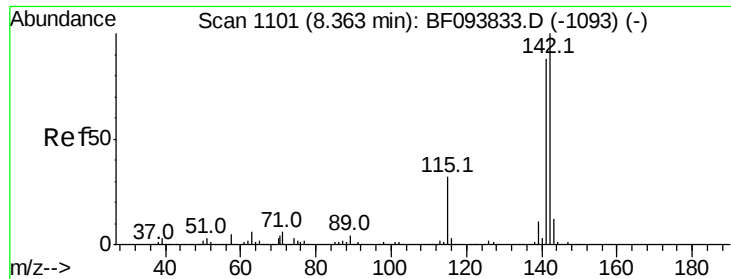
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#31
 Naphthalene
 Concen: 4.95 ng
 RT: 7.45 min Scan# 946
 Delta R.T. -0.04 min
 Lab File: BF094052.D
 Acq: 30 Mar 2017 8:35

Tgt Ion:	128	Resp:	149663
Ion Ratio	Lower	Upper	
128	100		
129	10.2	9.0	13.6
127	13.2	10.8	16.2





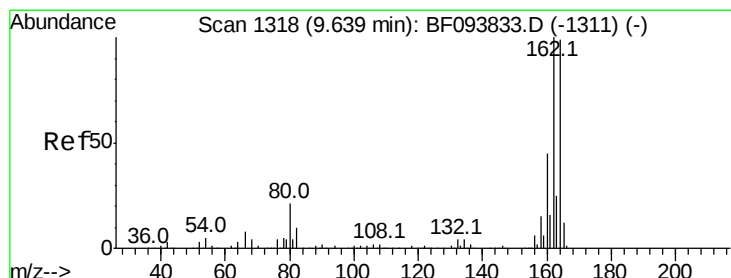
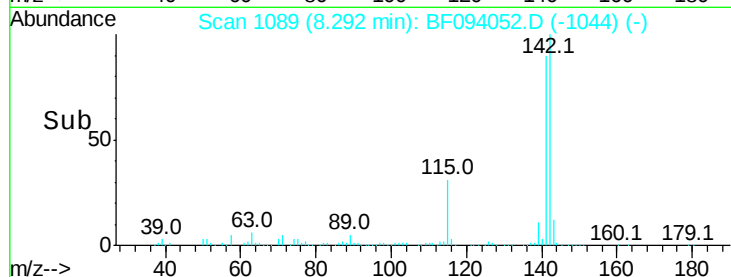
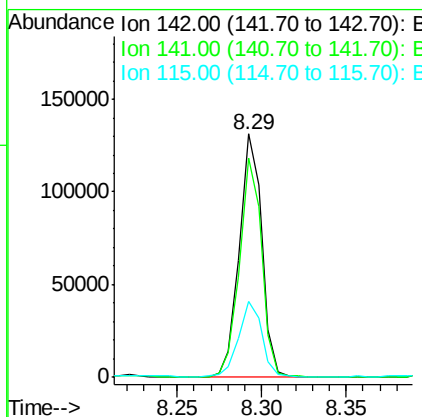
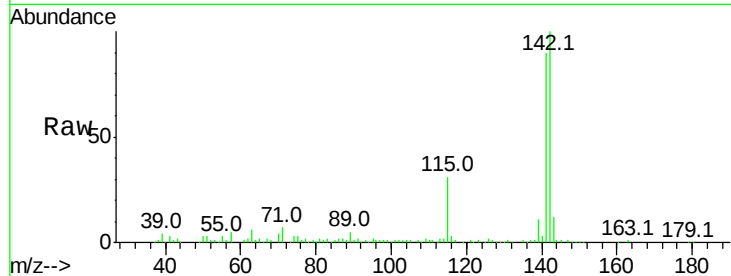
#37
2-Methylnaphthalene
Concen: 6.05 ng
RT: 8.29 min Scan# 1089
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Instrument :
BNA_F
ClientSampleId :
E2-T11-SSW

Tot Ion	Ratio	Resp	Lower	Upper
142	100	121968		
141	90.0		71.3	106.9
115	31.3		27.1	40.7

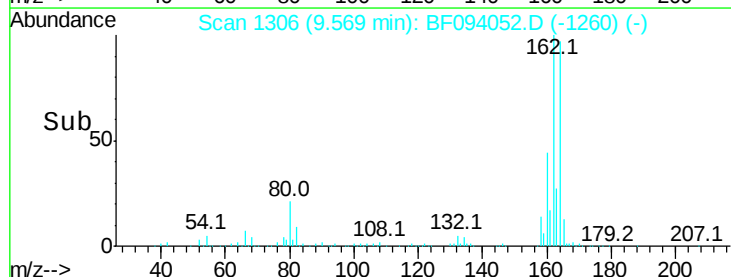
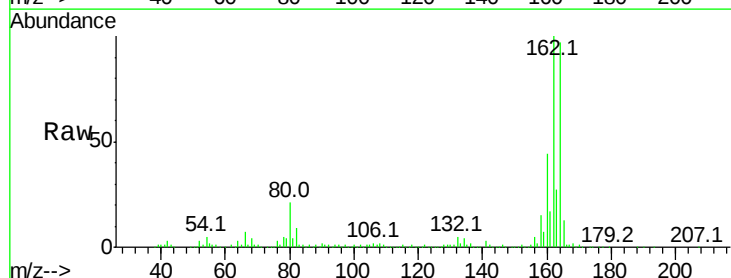
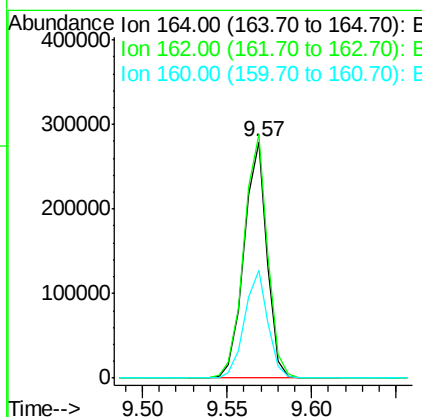
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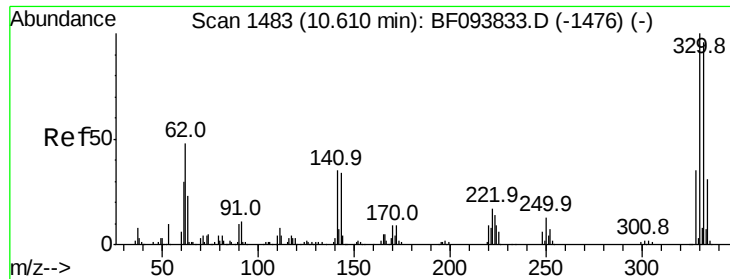
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	265982		
162	103.0		82.6	123.8
160	45.7		36.2	54.2





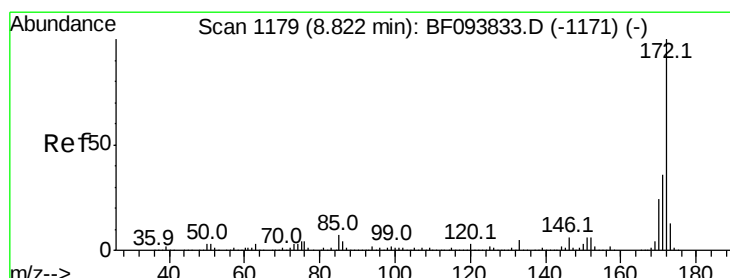
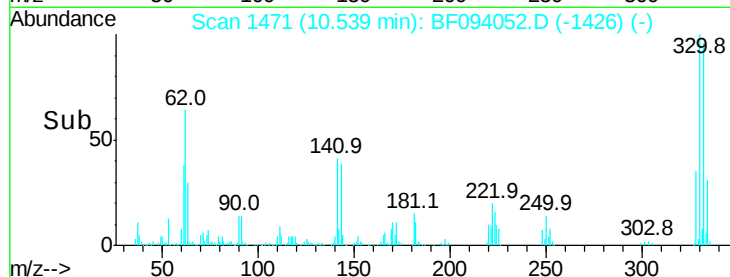
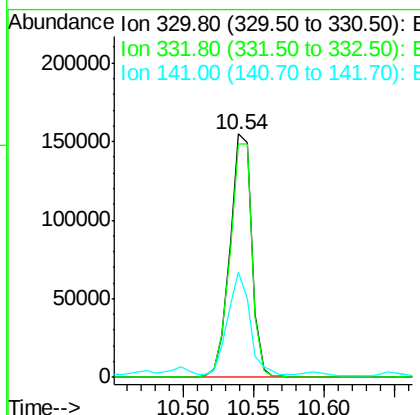
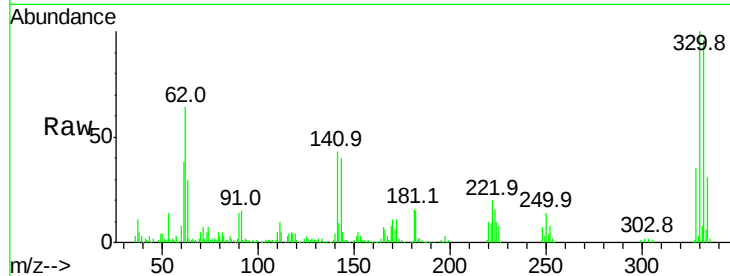
#41
 2,4,6-Tribromophenol
 Concen: 79.27 ng
 RT: 10.54 min Scan# 1471
 Delta R.T. -0.04 min
 Lab File: BF094052.D
 Acq: 30 Mar 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :
 E2-T11-SSW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	166609		
332	97.0	76.6	115.0	
141	43.8	31.4	47.2	

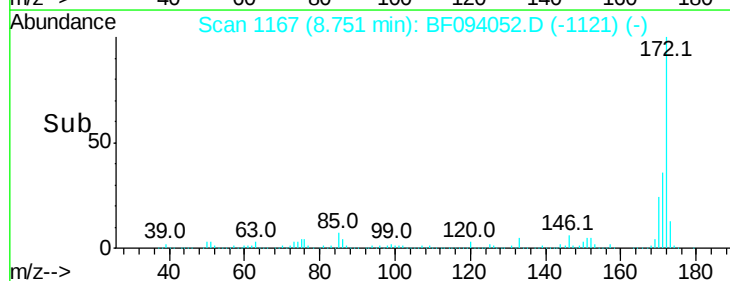
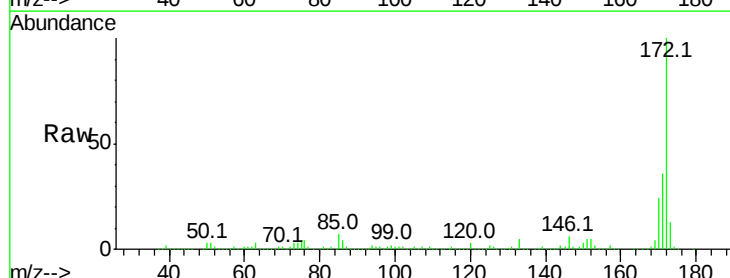
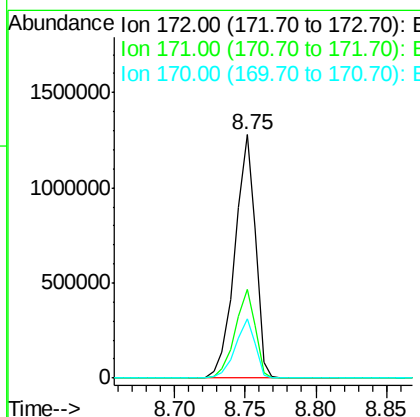
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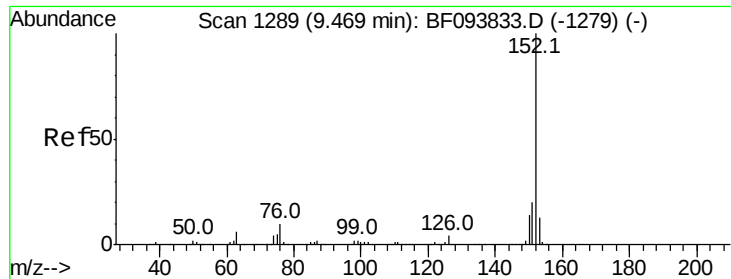
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#44
 2-Fluorobiphenyl
 Concen: 74.11 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094052.D
 Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1292372		
171	36.4	29.6	44.4	
170	24.1	19.8	29.8	





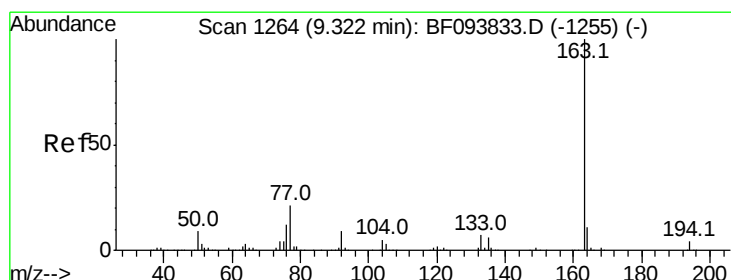
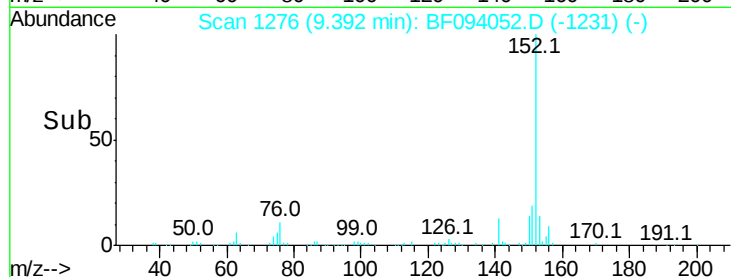
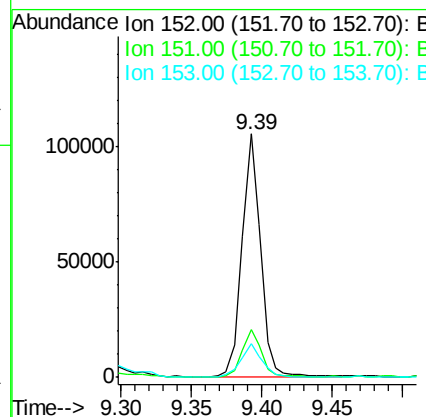
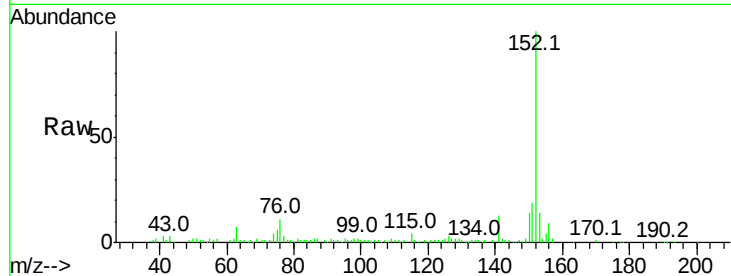
#48
Acenaphthylene
Concen: 3.51 ng
RT: 9.39 min Scan# 1276
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Instrument :
BNA_F
ClientSampleId :
E2-T11-SSW

Tot Ion	Ratio	Resp	Lower	Upper
152	100	97955		
151	19.4		16.8	25.2
153	14.0		10.8	16.2

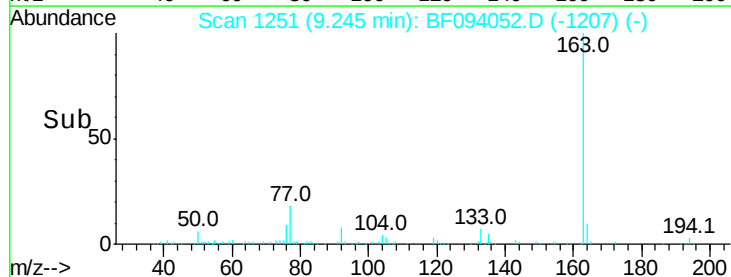
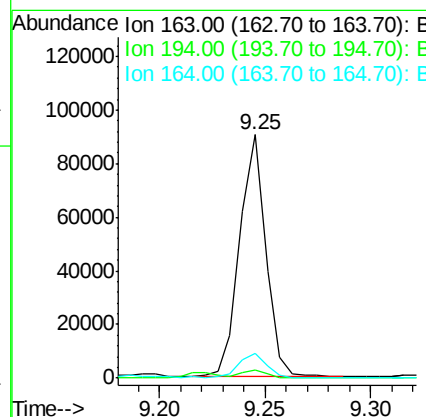
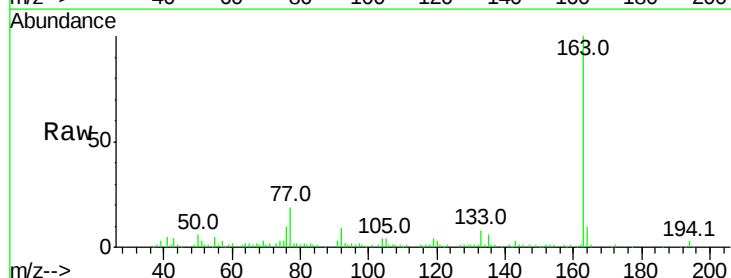
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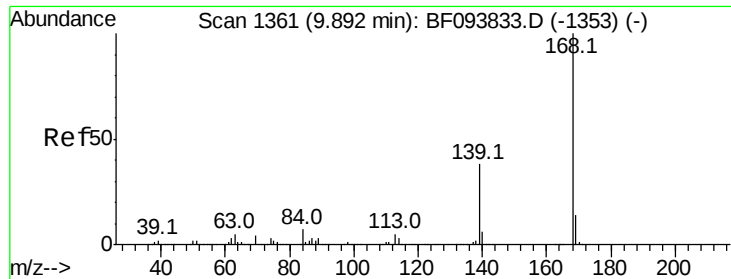
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#49
Dimethylphthalate
Concen: 4.11 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	77758		
194	3.3		2.6	4.0
164	10.3		8.4	12.6





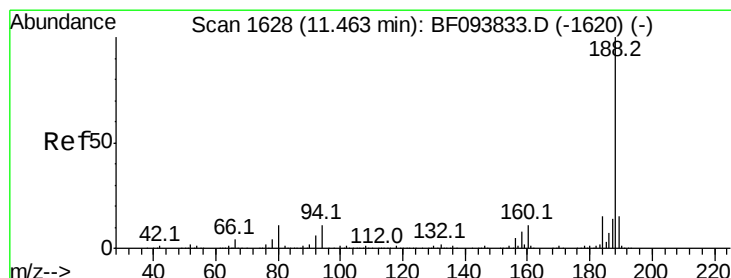
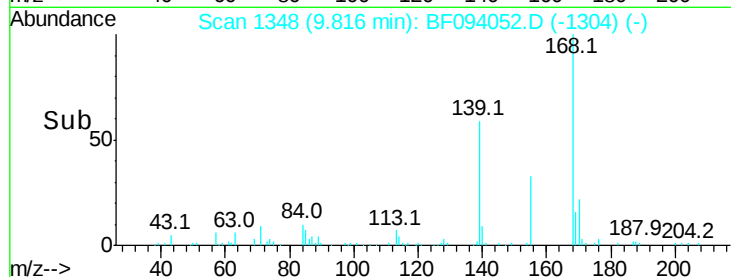
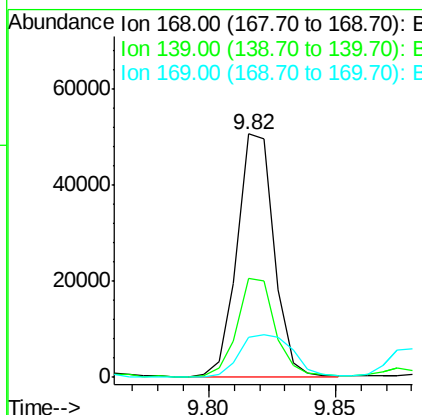
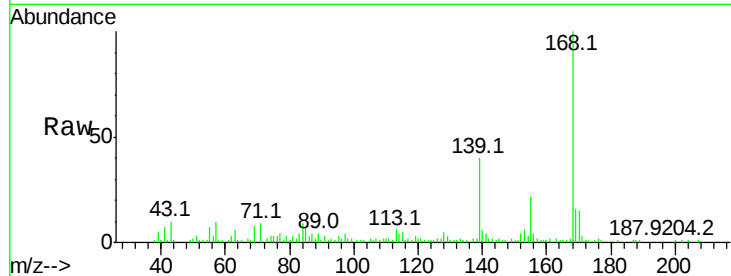
#54
Dibenzofuran
Concen: 2.34 ng
RT: 9.82 min Scan# 1348
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Instrument :
BNA_F
ClientSampleId :
E2-T11-SSW

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.6	45.8
169	16.2	10.8	16.2#

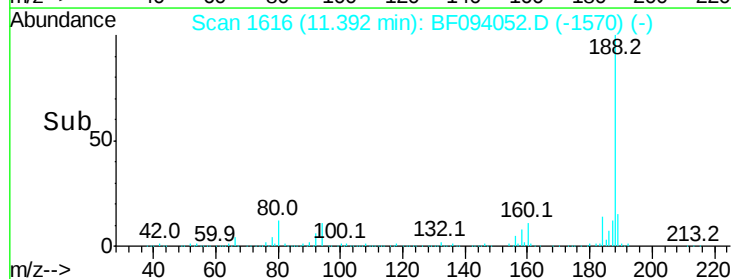
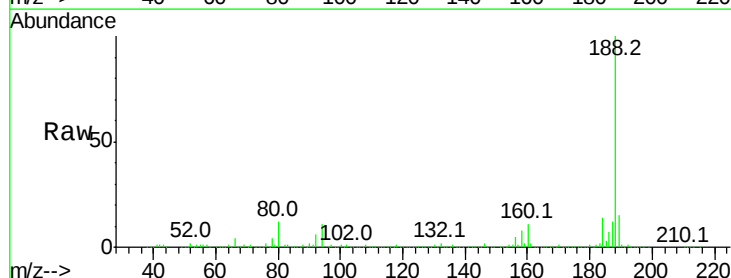
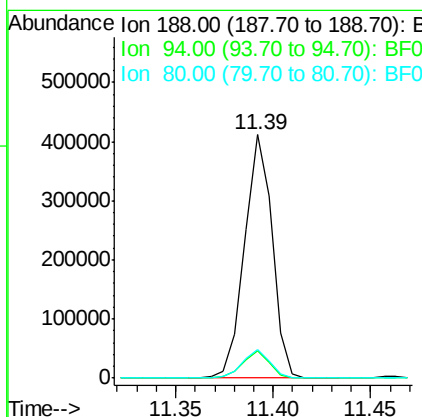
Manual Integrations
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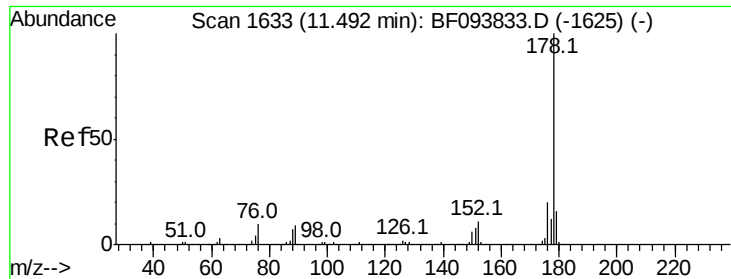
mohammad
3/30/2017 2:32:30 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.8	10.2	15.2





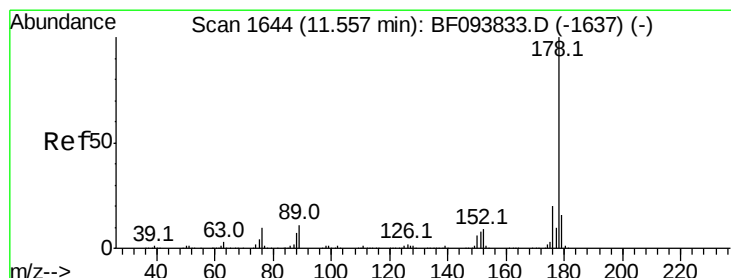
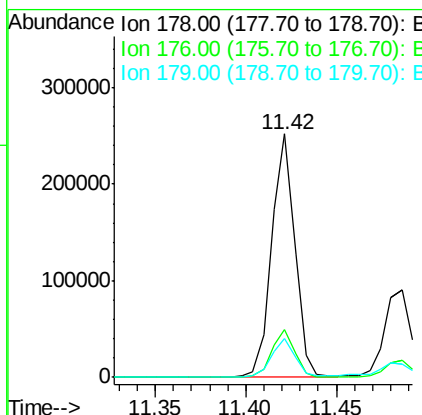
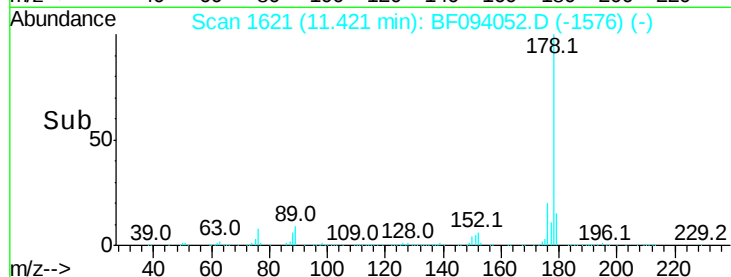
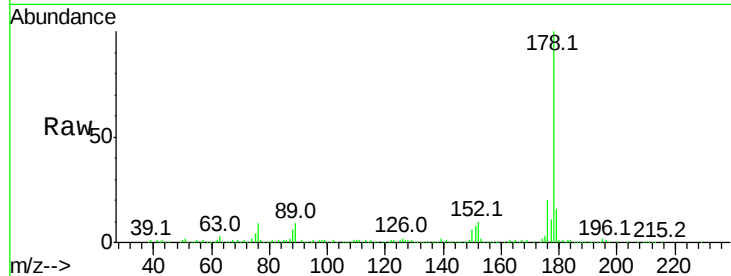
#70
Phenanthrene
Concen: 9.88 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Instrument :
BNA_F
ClientSampleId :
E2-T11-SSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	15.7	12.6	19.0

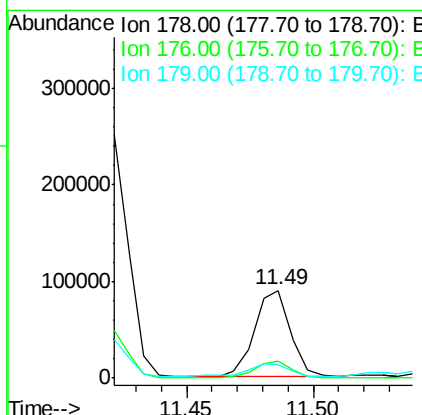
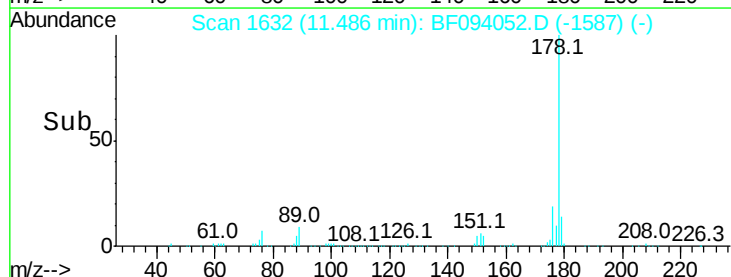
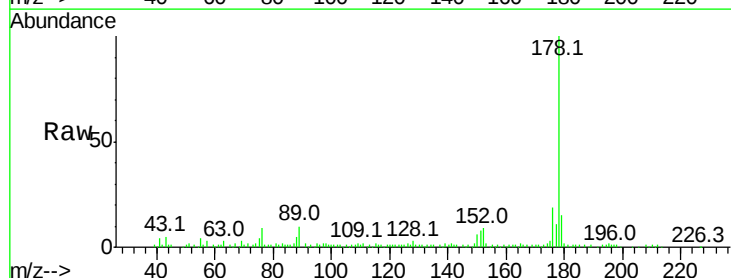
Manual Integrations
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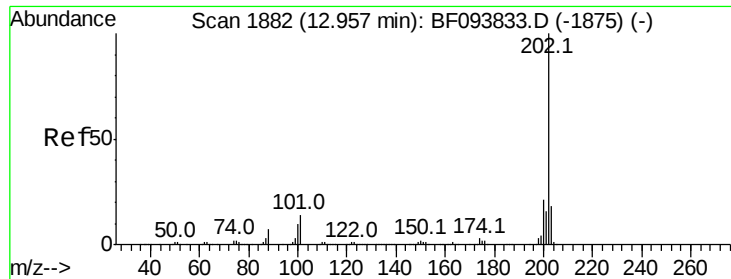
mohammad
3/30/2017 2:32:30 PM



#71
Anthracene
Concen: 3.81 ng
RT: 11.49 min Scan# 1632
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.0	12.7	19.1





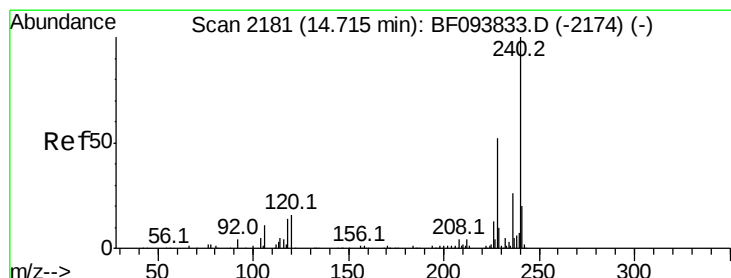
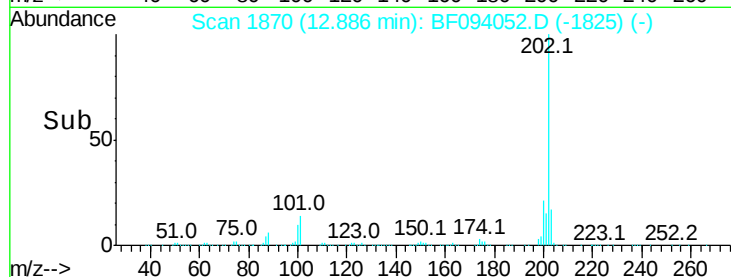
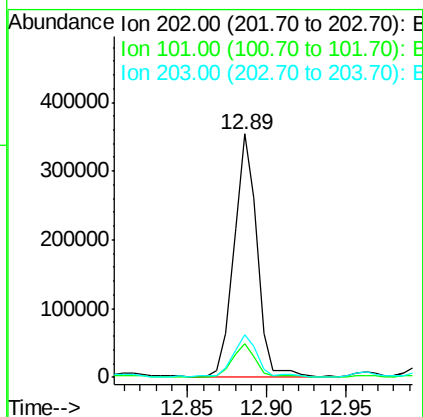
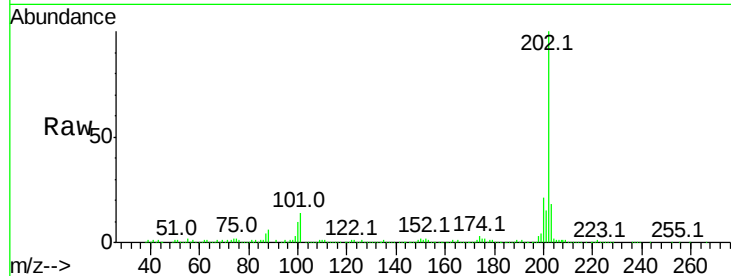
#74
Fluoranthene
Concen: 15.23 ng
RT: 12.89 min Scan# 1870
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Instrument :
BNA_F
ClientSampleId :
E2-T11-SSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.6	0.0	38.1

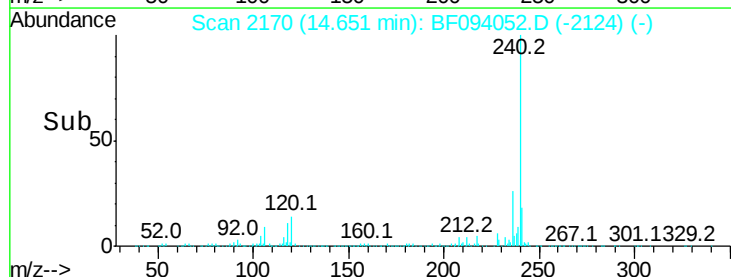
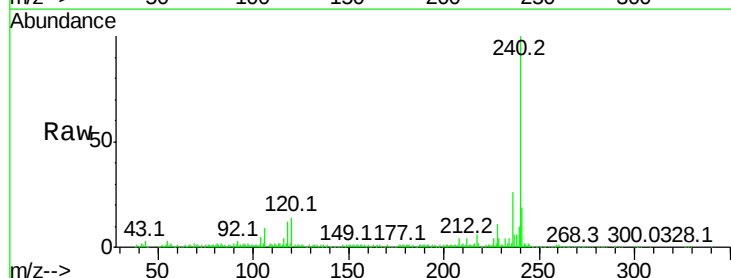
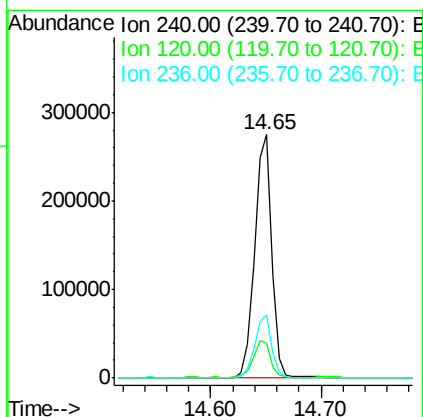
Manual Integrations
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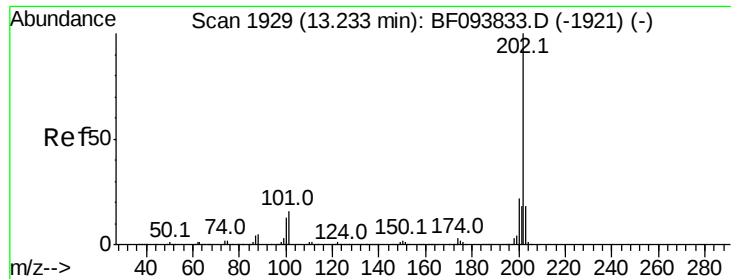
mohammad
3/30/2017 2:32:30 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.65 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	25.9	20.5	30.7





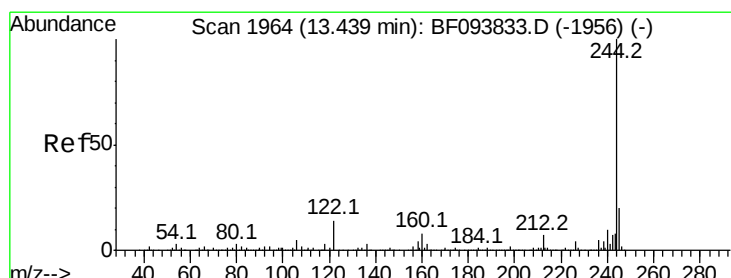
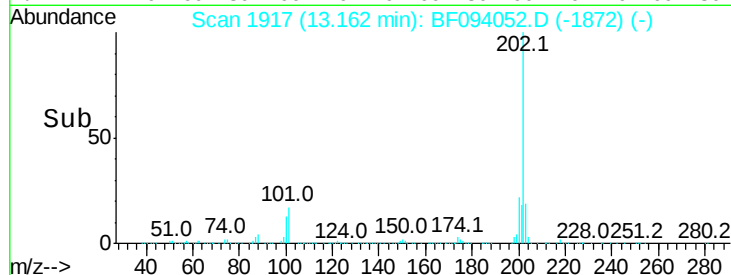
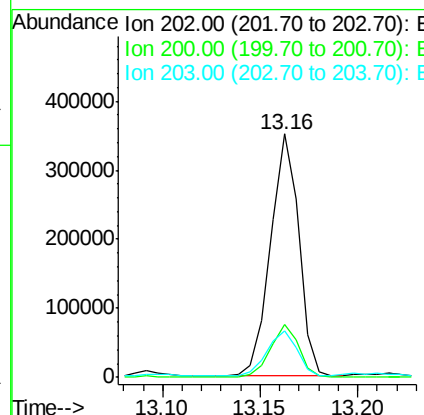
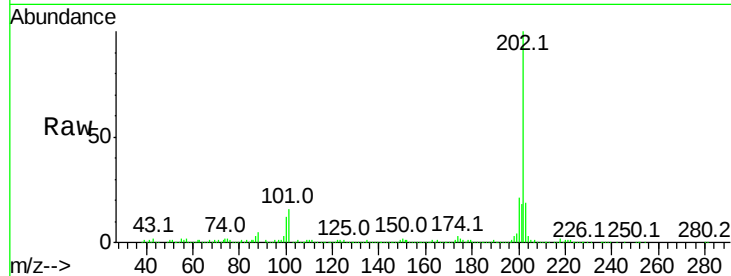
#77
Pvrene
Concen: 16.44 ng
RT: 13.16 min Scan# 1917
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Instrument :
BNA_F
ClientSampleId :
E2-T11-SSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.6	26.4
203	19.0	14.4	21.6

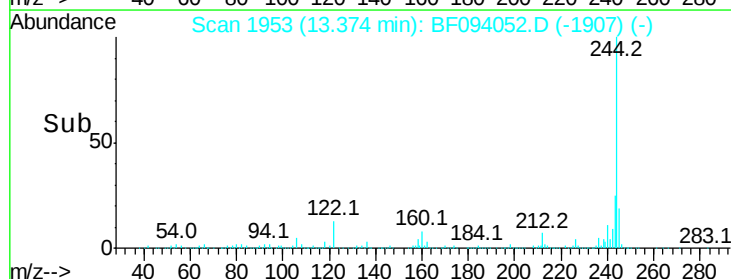
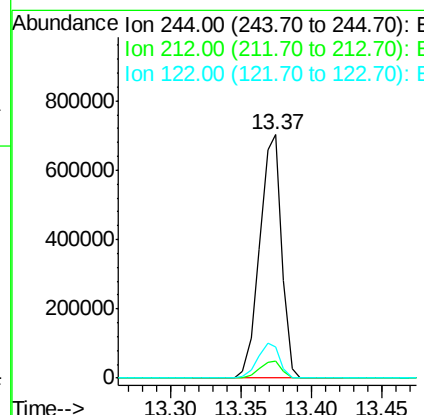
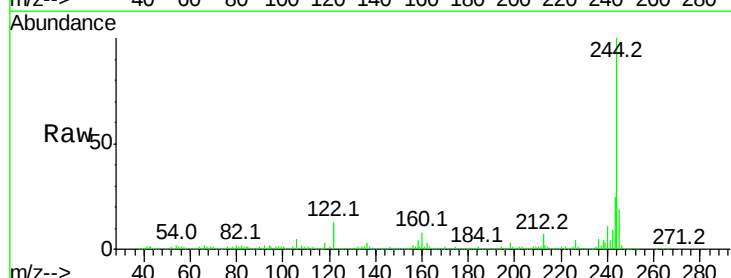
Manual Integrations
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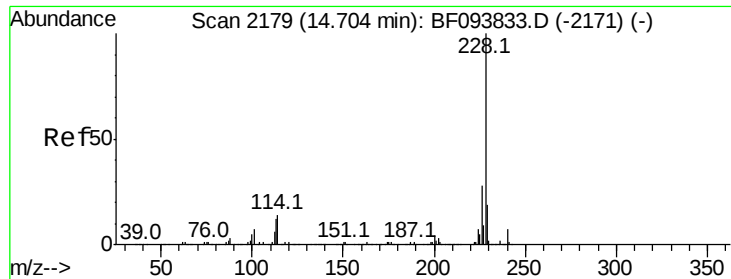
mohammad
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#78
Terphenyl-d14
Concen: 58.23 ng
RT: 13.37 min Scan# 1953
Delta R.T. -0.03 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.9	10.3	15.5





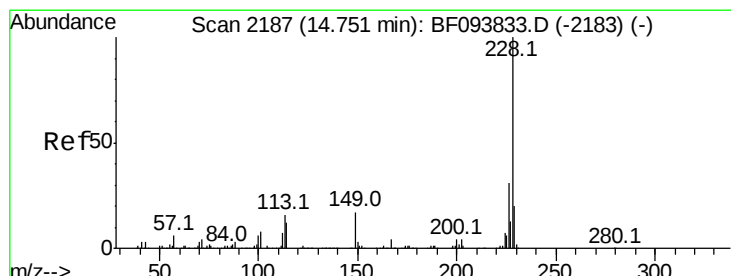
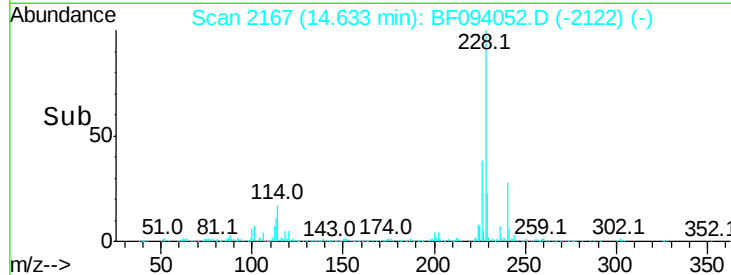
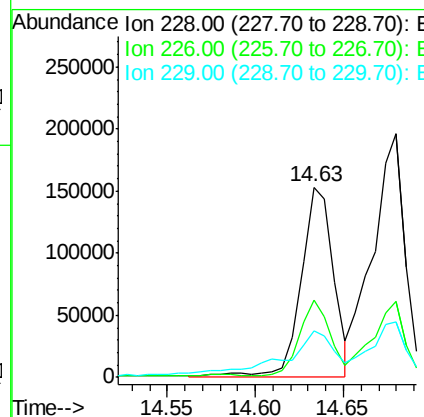
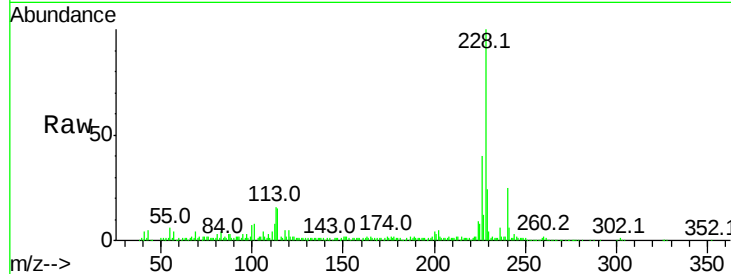
#80
Benzo(a)anthracene
Concen: 11.43 ng m
RT: 14.63 min Scan# 2167
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Instrument :
BNA_F
ClientSampleId :
E2-T11-SSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.4	22.6	33.8#
229	24.4	16.3	24.5

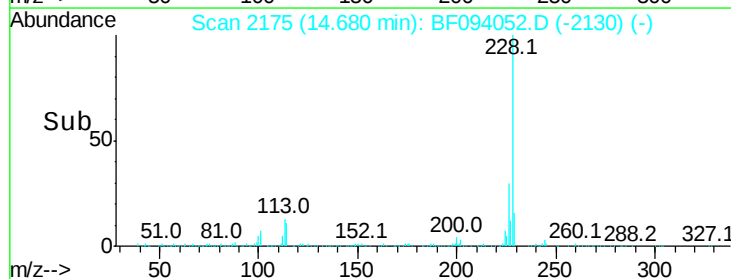
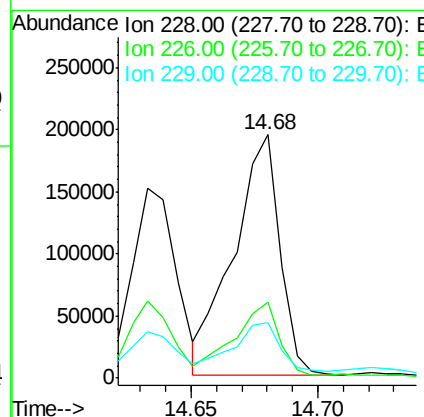
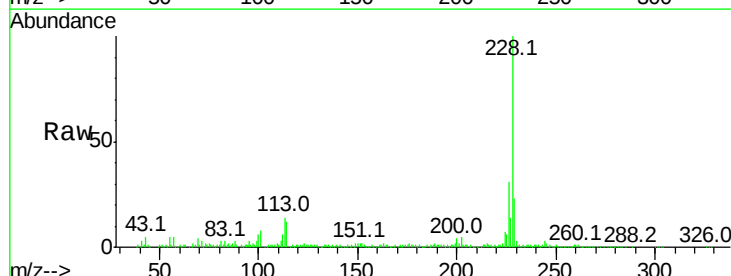
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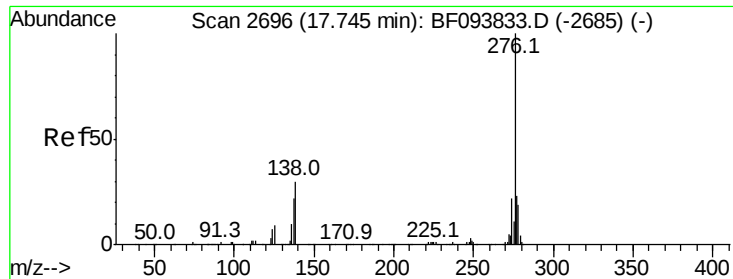
mohammad
3/30/2017 2:32:30 PM



#82
Chrysene
Concen: 15.28 ng
RT: 14.68 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	22.6	15.8	23.6





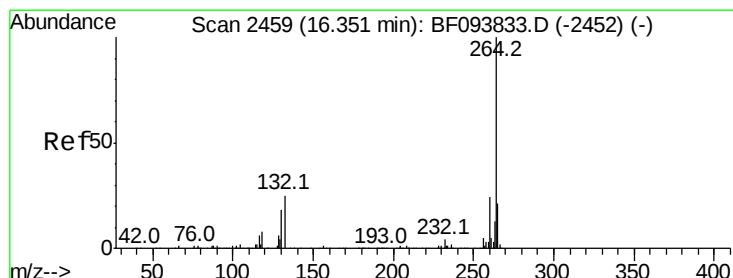
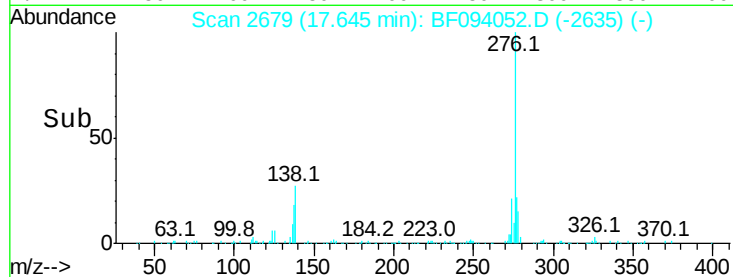
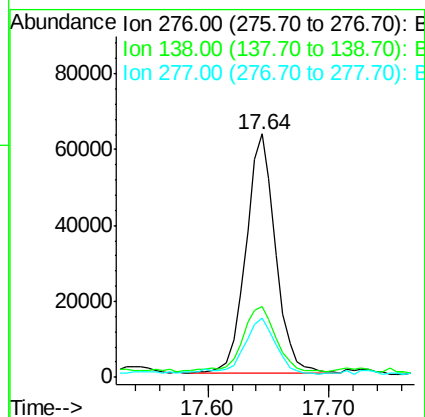
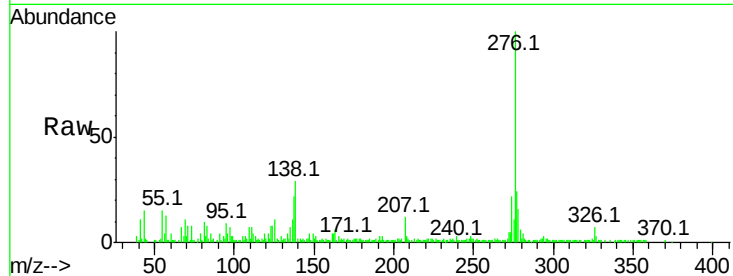
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.75 ng
 RT: 17.64 min Scan# 2679
 Delta R.T. -0.04 min
 Lab File: BF094052.D
 Acq: 30 Mar 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :
 E2-T11-SSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	27.8	41.6
277	26.9	20.2	30.4

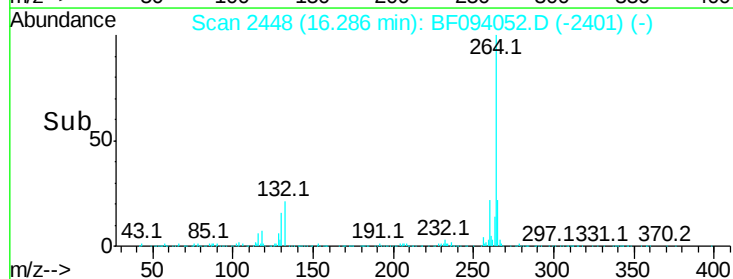
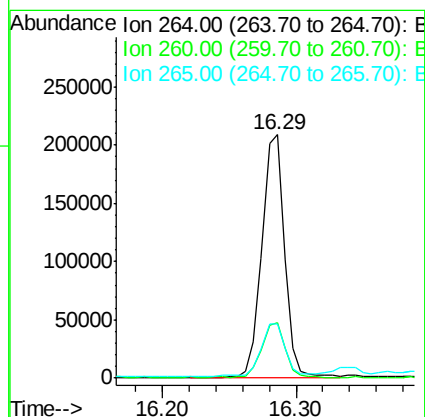
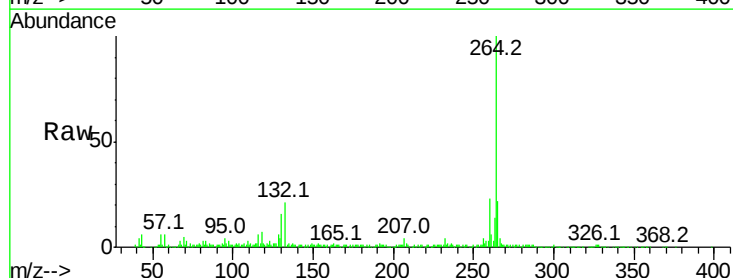
Manual Integrations
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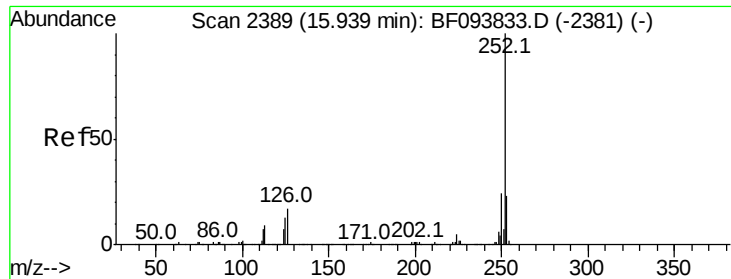
mohammad
 3/30/2017 2:32:30 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.29 min Scan# 2448
 Delta R.T. -0.02 min
 Lab File: BF094052.D
 Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 21.60 ng m

RT: 15.87 min Scan# 2378

Delta R.T. -0.02 min

Lab File: BF094052.D

Acq: 30 Mar 2017 8:35

Instrument :

BNA_F

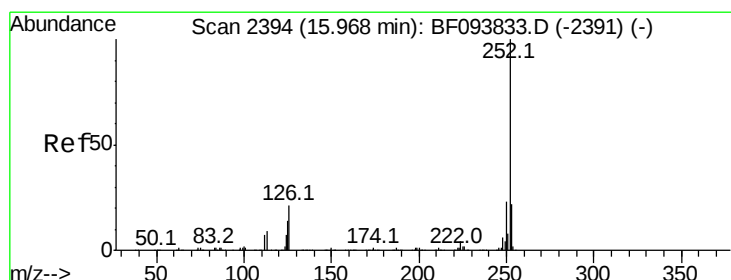
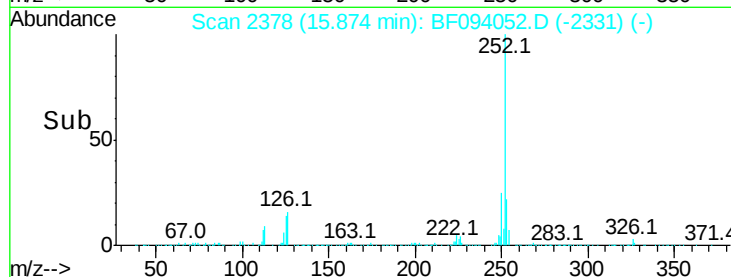
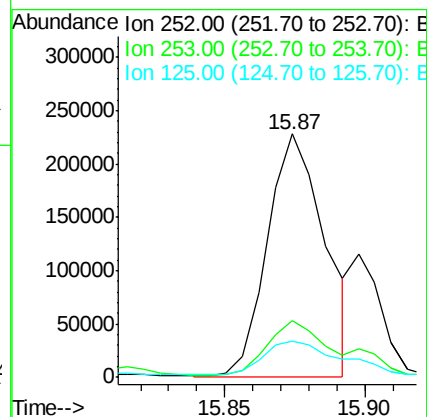
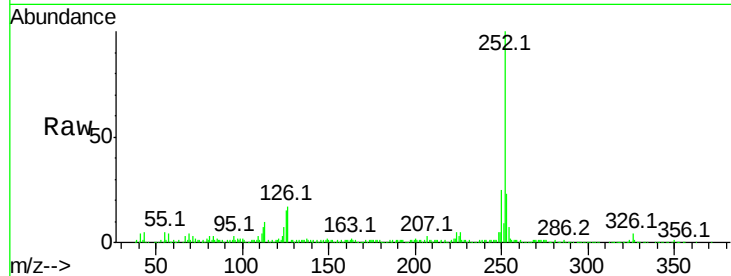
ClientSampleId :

E2-T11-SSW

Tot Ion:	252	Resp:	323557
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	15.0	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 6.17 ng m

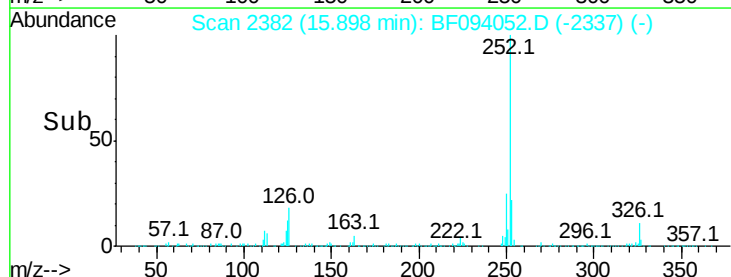
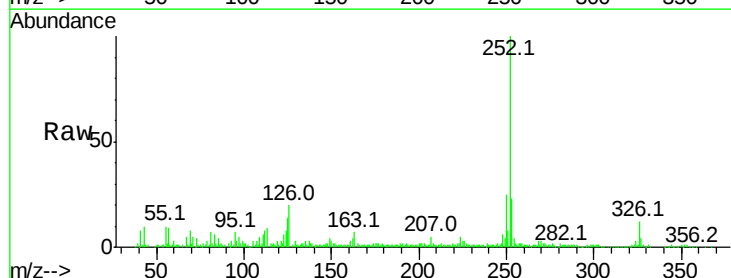
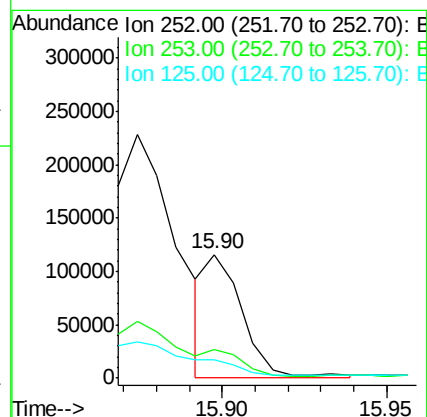
RT: 15.90 min Scan# 2382

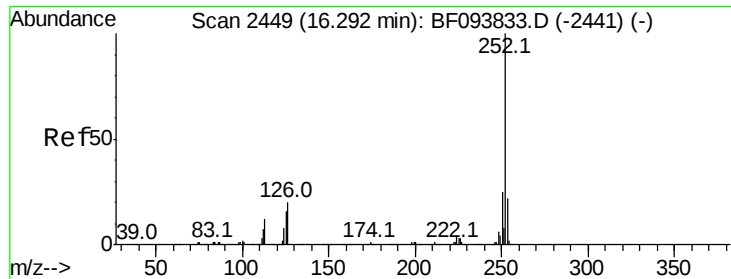
Delta R.T. -0.04 min

Lab File: BF094052.D

Acq: 30 Mar 2017 8:35

Tgt Ion:	252	Resp:	90440
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.4	27.6
125	14.4	13.1	19.7





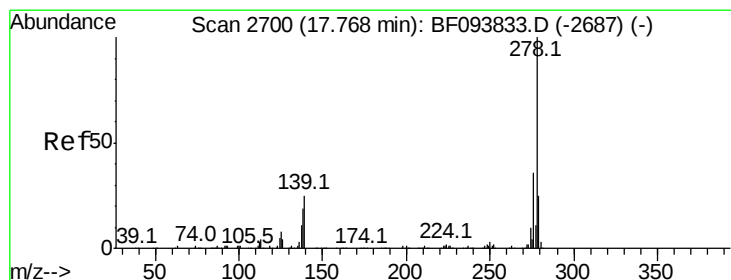
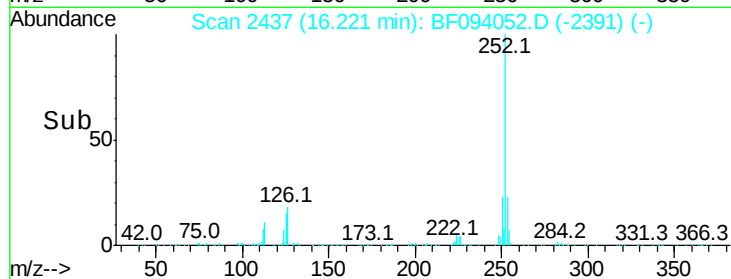
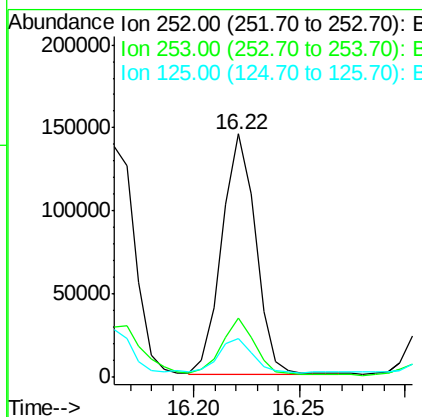
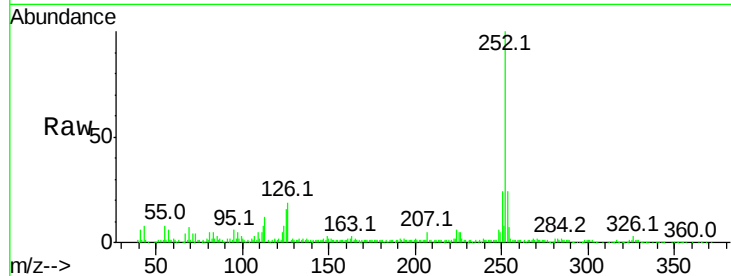
#89
Benzo(a)pyrene
Concen: 11.59 ng
RT: 16.22 min Scan# 2437
Delta R.T. -0.03 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Instrument :
BNA_F
ClientSampleId :
E2-T11-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	16.0	11.0	16.4

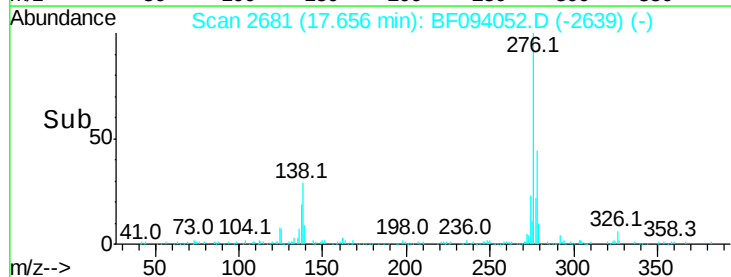
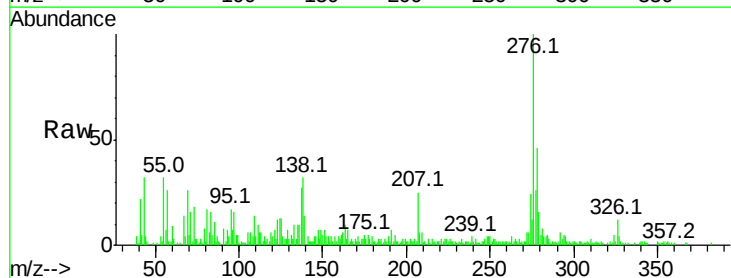
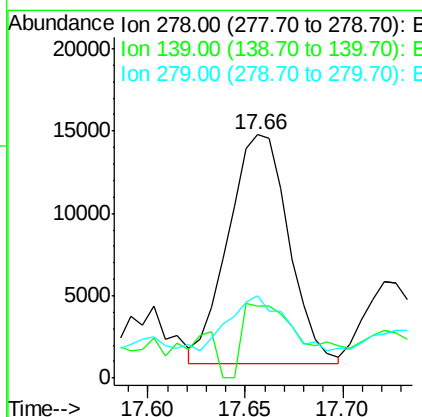
Manual Integrations
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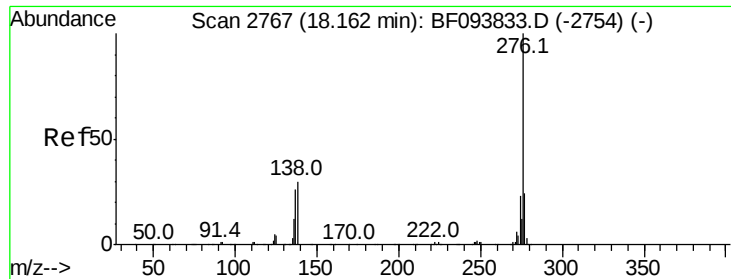
mohammad
3/30/2017 2:32:30 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.55 ng
RT: 17.66 min Scan# 2681
Delta R.T. -0.05 min
Lab File: BF094052.D
Acq: 30 Mar 2017 8:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.6	16.6	24.8#
279	33.9	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 8.59 ng
 RT: 18.04 min Scan# 2747
 Delta R.T. -0.05 min
 Lab File: BF094052.D
 Acq: 30 Mar 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :
 E2-T11-SSW

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	23.1	18.6	28.0	
138	33.4	25.4	38.0	

Manual Integrations
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 3/30/2017 2:32:30 PM

