

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094047.D
 Acq On : 30 Mar 2017 6:18
 Operator : SJ/MA
 Sample : I2431-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S13-SSW

Manual Integrations
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Quant Time: Mar 30 07:16:51 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	161116	20.00	ng	-0.03
21) Naphthalene-d8	7.43	136	627632	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	278194	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	440735	20.00	ng	-0.03
75) Chrysene-d12	14.65	240	296116	20.00	ng	-0.03
86) Perylene-d12	16.29	264	258587	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	700820	73.47	ng	-0.02
7) Phenol-d6	5.53	99	1005913	85.24	ng	-0.02
23) Nitrobenzene-d5	6.57	82	391797	35.62	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	143457	65.26	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	1298398	71.19	ng	-0.03
78) Terphenyl-d14	13.37	244	866896	65.62	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.45	128	74327	2.46	ng	100
37) 2-Methylnaphthalene	8.29	142	58869	2.93	ng	99
48) Acenaphthylene	9.39	152	137577	4.71	ng	96
49) Dimethylphthalate	9.25	163	80056	4.05	ng	# 98
70) Phenanthrene	11.42	178	313603	12.79	ng	98
71) Anthracene	11.48	178	114810	4.55	ng	97
74) Fluoranthene	12.89	202	687369	27.38	ng	99
77) Pyrene	13.16	202	618527	28.78	ng	99
80) Benzo(a)anthracene	14.64	228	324049	18.77	ng	95
82) Chrysene	14.68	228	365903m	22.83	ng	
85) Indeno(1,2,3-cd)pyrene	17.64	276	184190	13.27	ng	94
87) Benzo(b)fluoranthene	15.87	252	484200m	30.55	ng	
88) Benzo(k)fluoranthene	15.90	252	168884m	10.89	ng	
89) Benzo(a)pyrene	16.22	252	274904	18.83	ng	# 94
90) Dibenzo(a,h)anthracene	17.66	278	53514	4.33	ng	# 87
91) Benzo(g,h,i)perylene	18.04	276	158546	12.73	ng	98

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

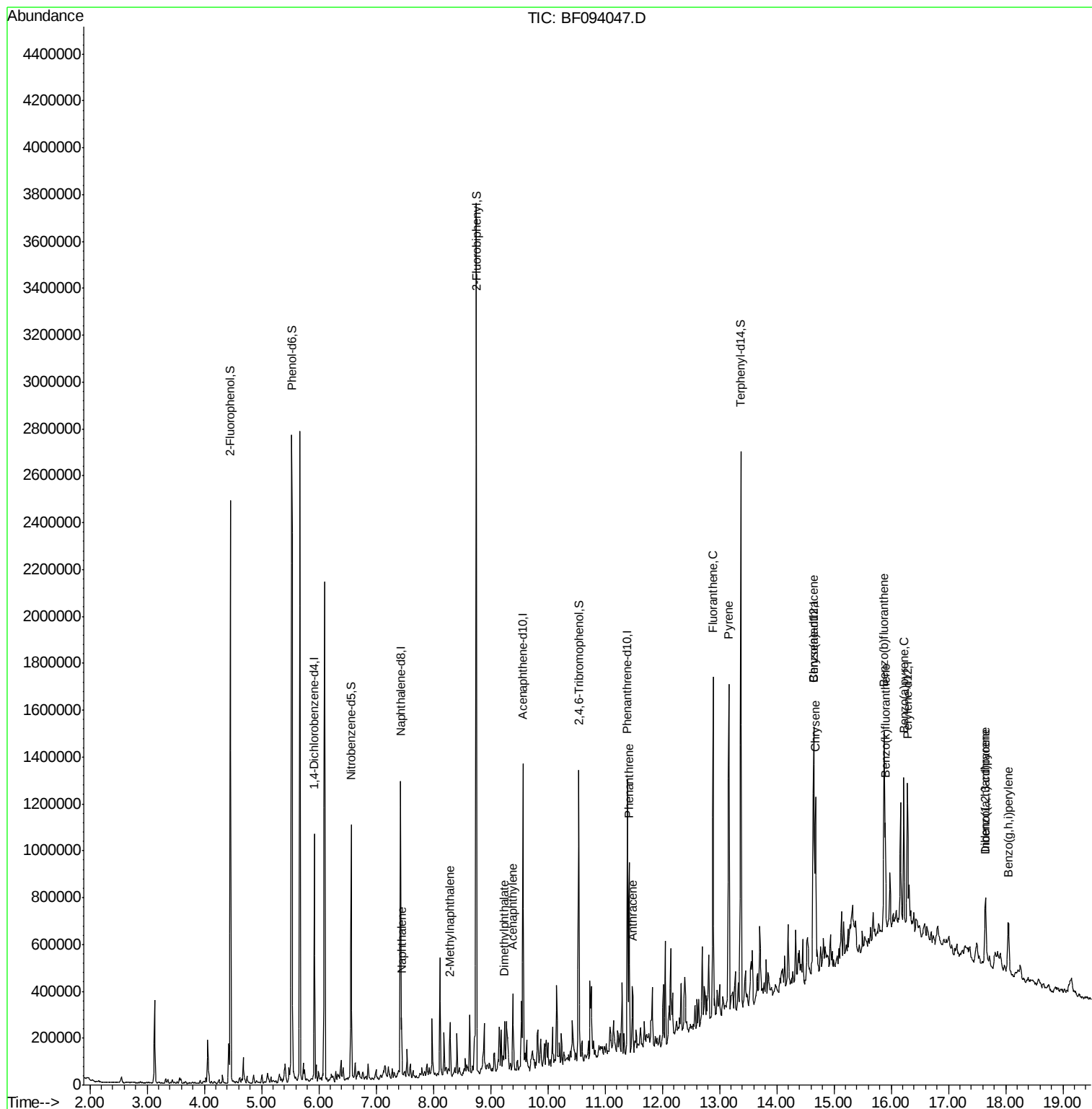
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
Data File : BF094047.D
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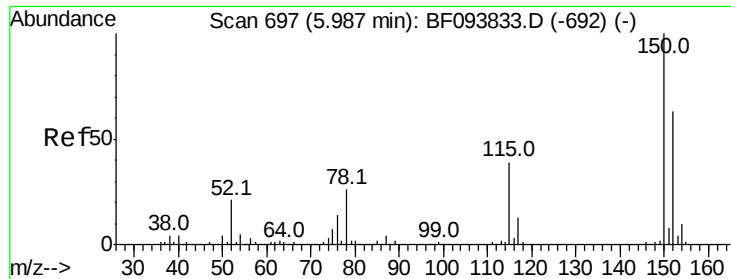
Instrument :
BNA_F
ClientSampleId :
E2-S13-SSW

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#1

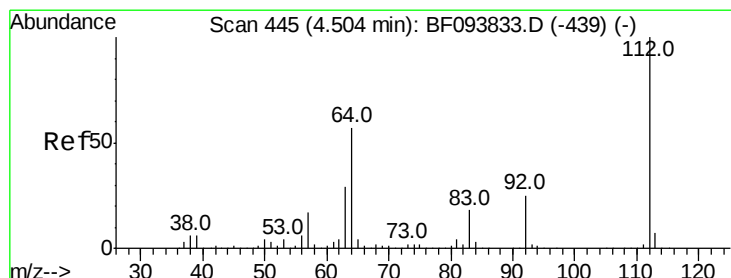
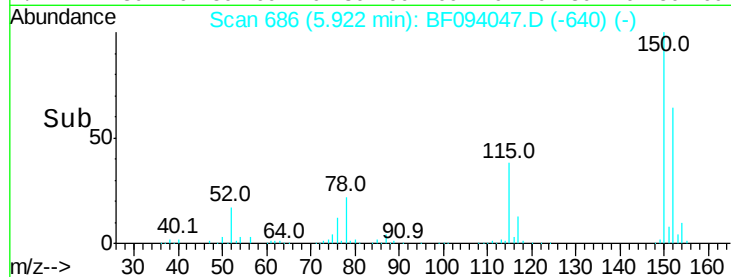
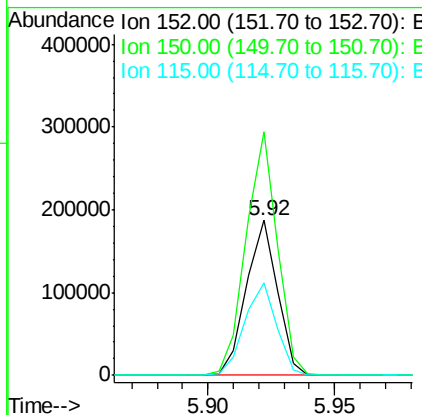
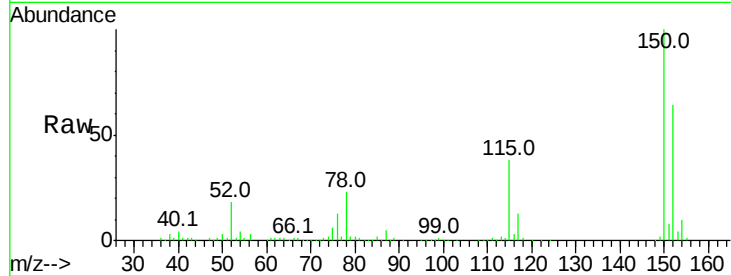
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Instrument :
BNA_F
ClientSampleId :
E2-S13-SSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	59.4	52.2	78.2

Manual Integrations
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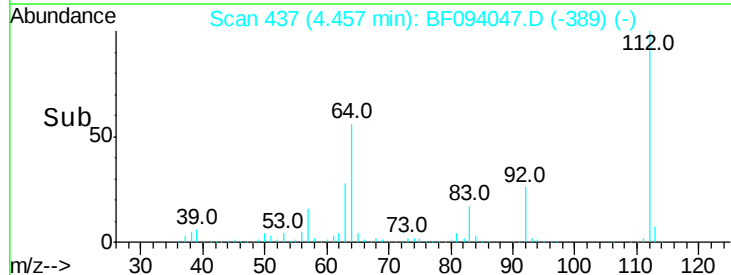
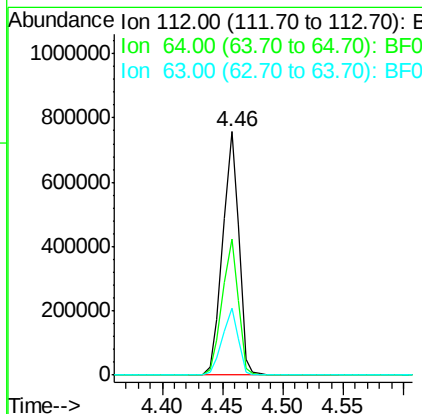
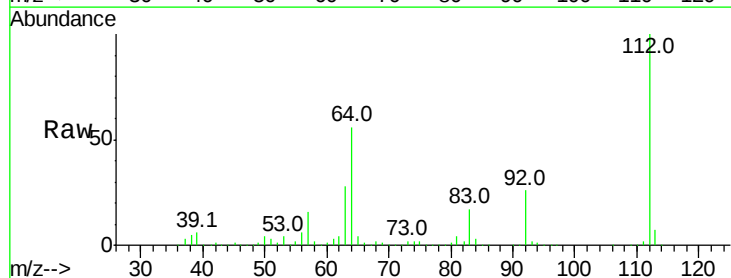
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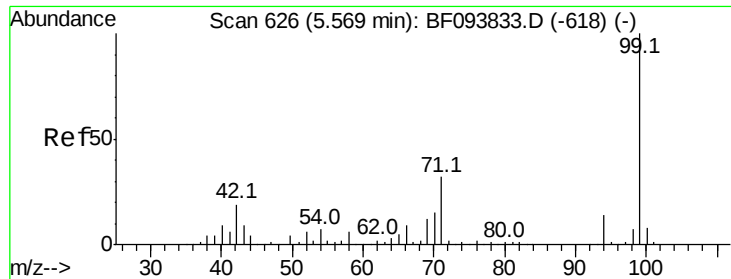


#5

2-Fluorophenol
Concen: 73.47 ng
RT: 4.46 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.0	69.0
63	27.7	23.4	35.0





#7

Phenol-d6

Concen: 85.24 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Instrument :

BNA_F

ClientSampleId :

E2-S13-SSW

Tot Ion: 99 Resp: 1005913

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

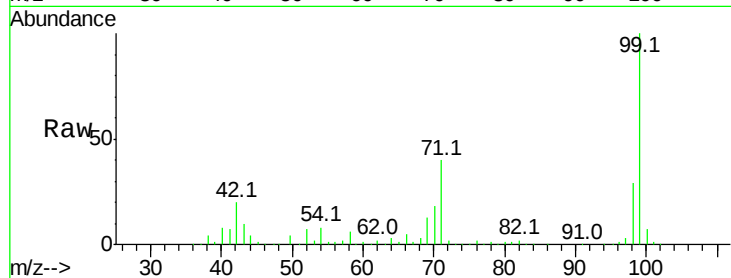
71 39.9 24.5 36.7#

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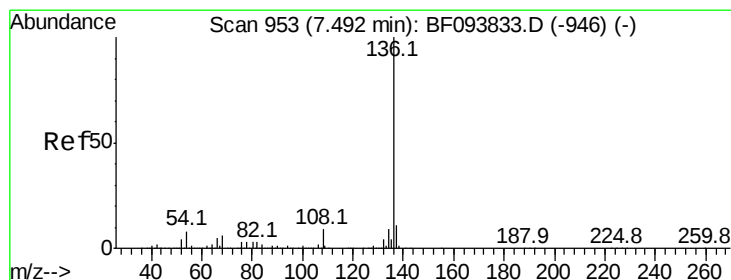
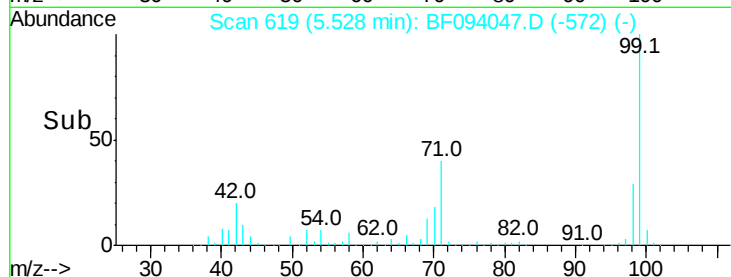
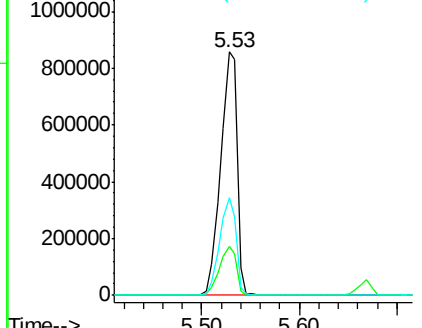
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Tgt Ion: 136 Resp: 627632

Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.8 4.9 7.3

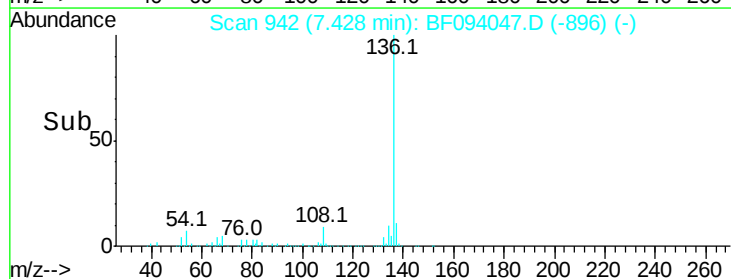
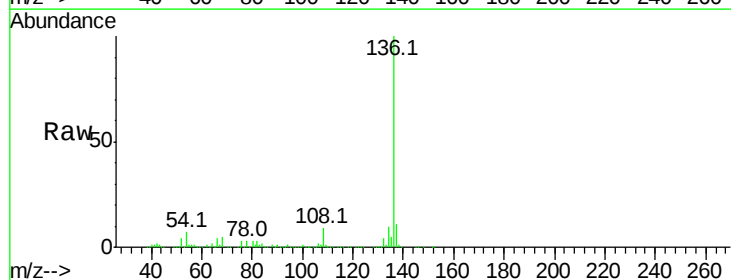
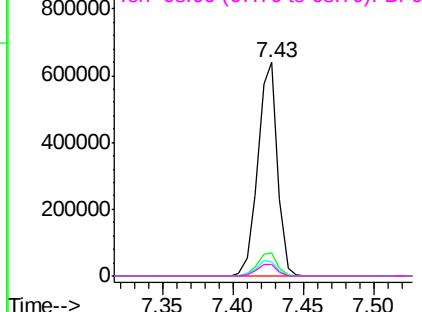
68 5.5 4.1 6.1

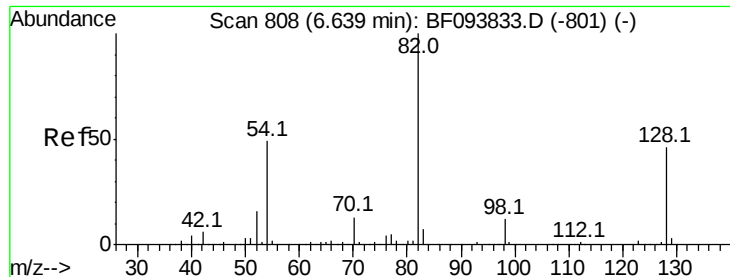
Abundance Ion 136.00 (135.70 to 136.70): E

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





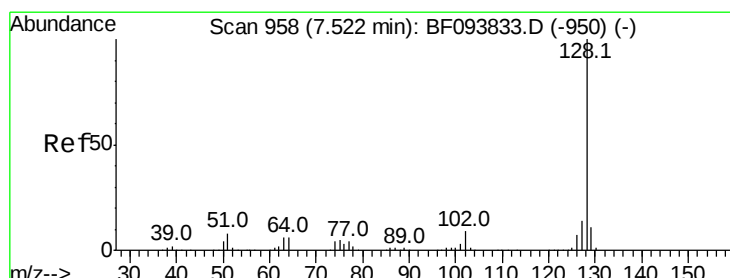
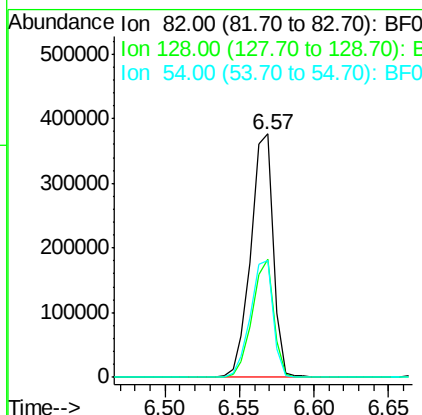
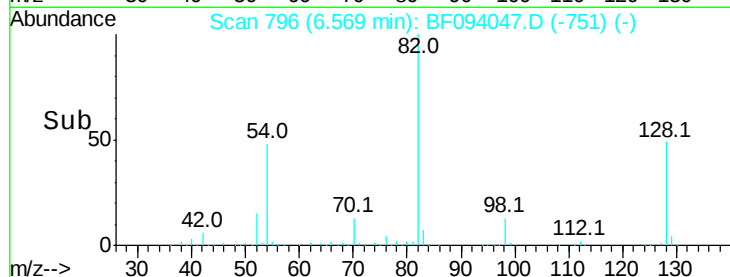
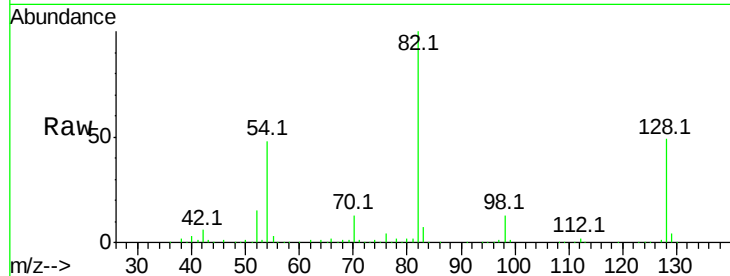
#23
 Nitrobenzene-d5
 Concen: 35.62 ng
 RT: 6.57 min Scan# 796
 Delta R.T. -0.04 min
 Lab File: BF094047.D
 Acq: 30 Mar 2017 6:18

Instrument :
 BNA_F
 ClientSampled :
 E2-S13-SSW

Tot Ion:	82	Resp:	391797
Ion Ratio	Lower	Upper	
82	100		
128	48.8	34.0	51.0
54	48.2	42.2	63.2

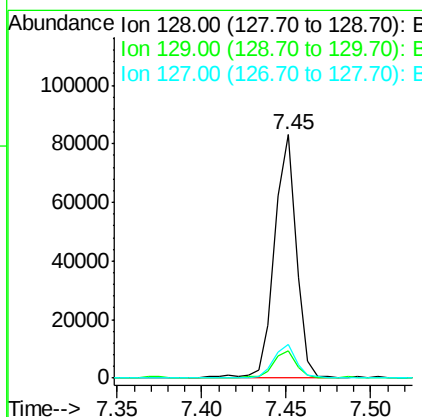
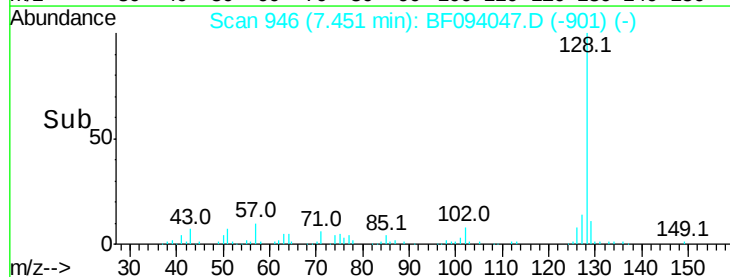
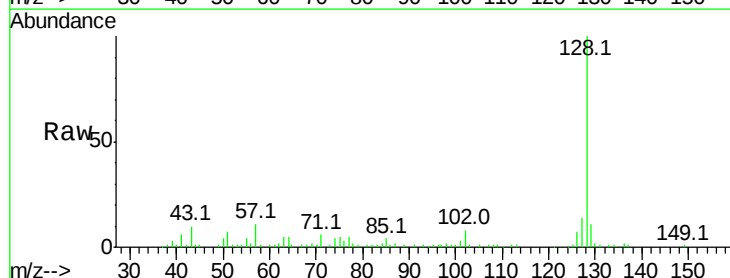
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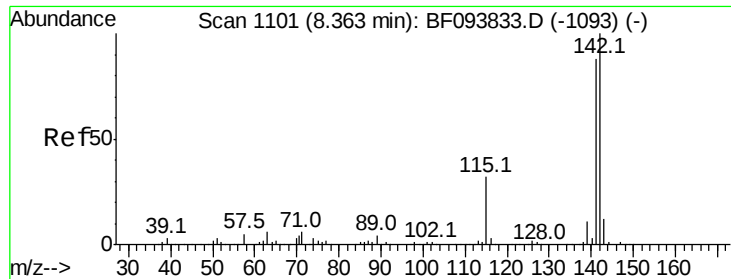
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#31
 Naphthalene
 Concen: 2.46 ng
 RT: 7.45 min Scan# 946
 Delta R.T. -0.04 min
 Lab File: BF094047.D
 Acq: 30 Mar 2017 6:18

Tgt Ion:	128	Resp:	74327
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.0	13.6
127	13.8	10.8	16.2





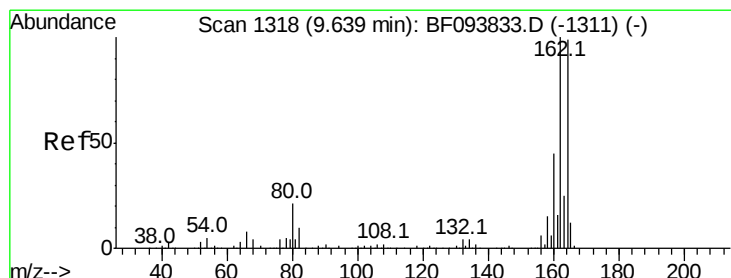
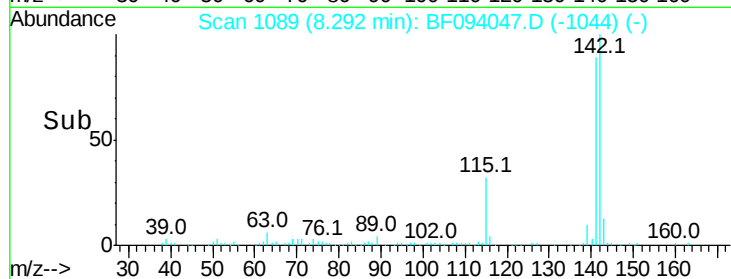
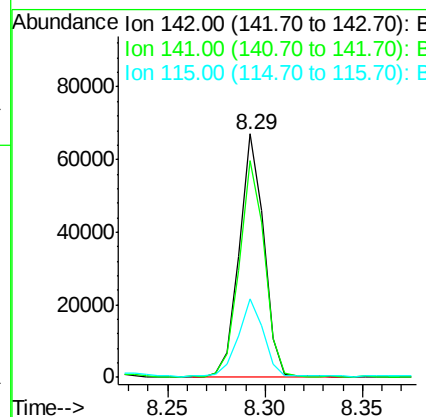
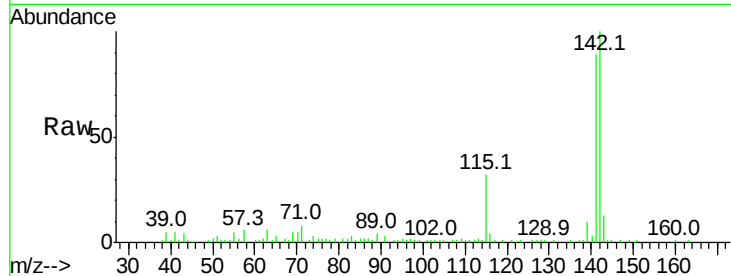
#37
2-Methylnaphthalene
Concen: 2.93 ng
RT: 8.29 min Scan# 1089
Delta R.T. -0.04 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Instrument :
BNA_F
ClientSampleId :
E2-S13-SSW

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	32.3	27.1	40.7

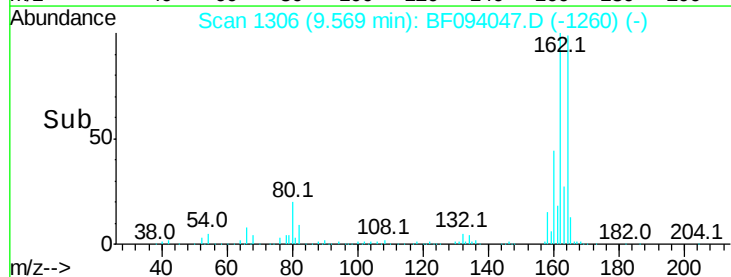
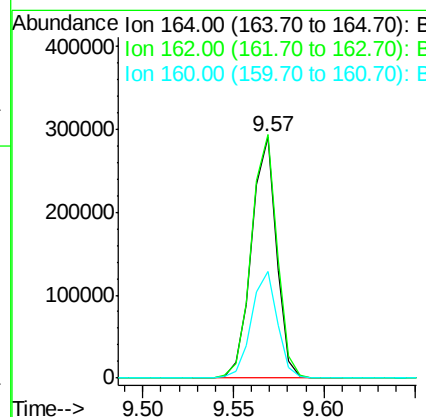
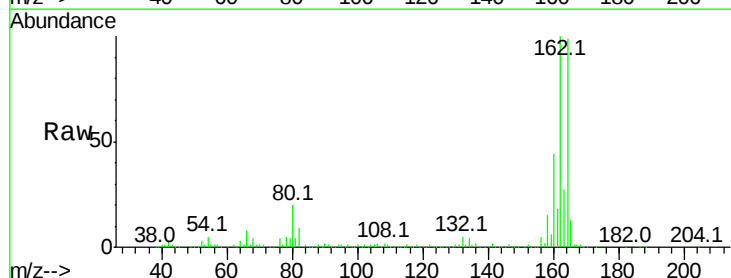
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.6	123.8
160	44.0	36.2	54.2





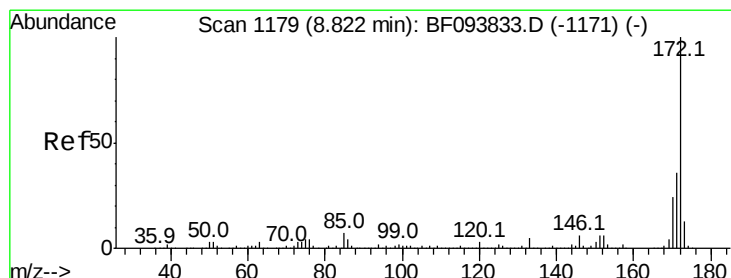
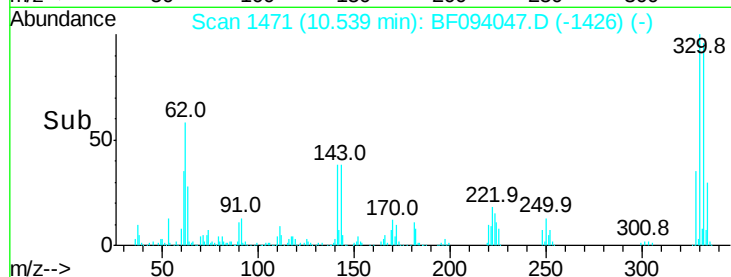
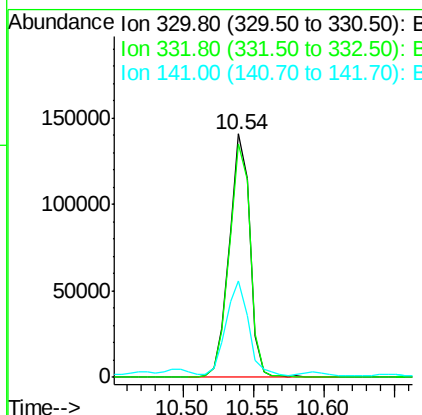
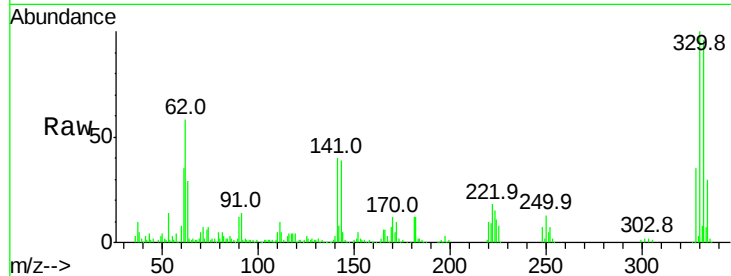
#41
 2,4,6-Tribromophenol
 Concen: 65.26 ng
 RT: 10.54 min Scan# 1471
 Delta R.T. -0.04 min
 Lab File: BF094047.D
 Acq: 30 Mar 2017 6:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-S13-SSW

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.6	115.0
141	42.3	31.4	47.2

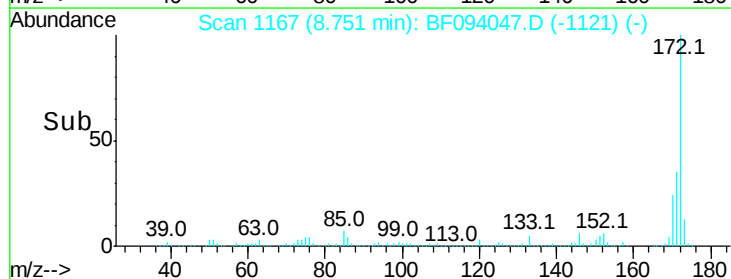
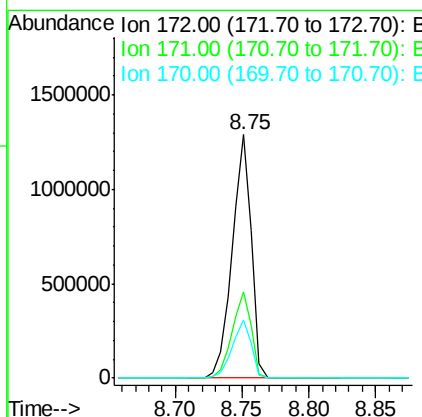
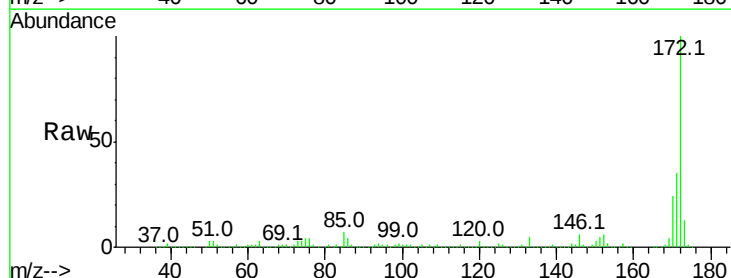
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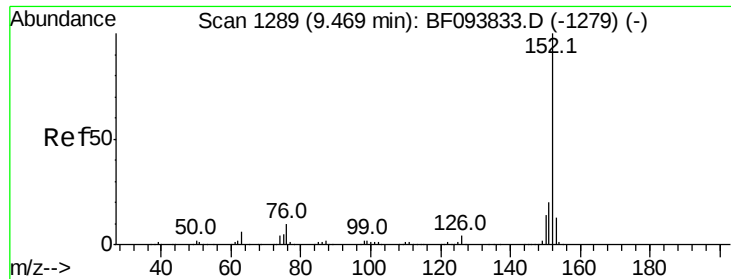
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#44
 2-Fluorobiphenyl
 Concen: 71.19 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094047.D
 Acq: 30 Mar 2017 6:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	24.0	19.8	29.8





#48

Acenaphthylene

Concen: 4.71 ng

RT: 9.39 min Scan# 1276

Delta R.T. -0.04 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Instrument :

BNA_F

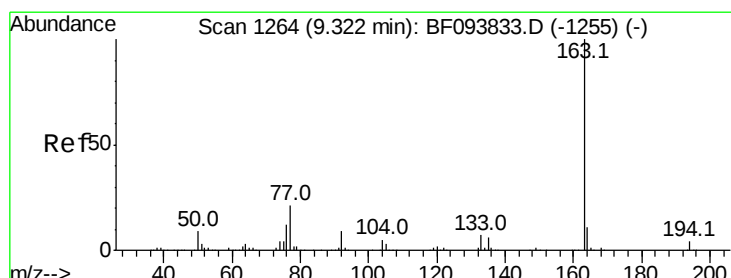
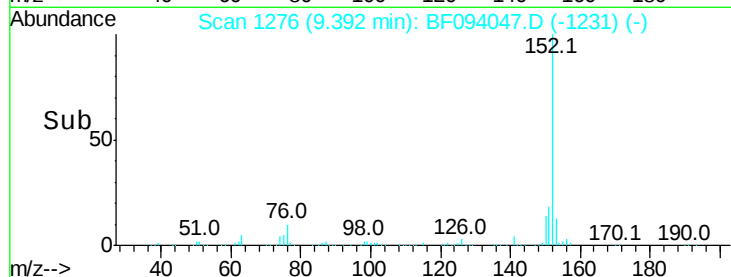
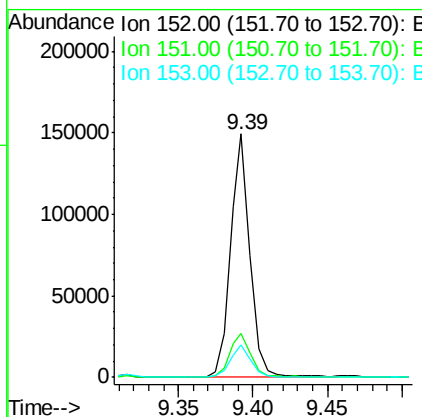
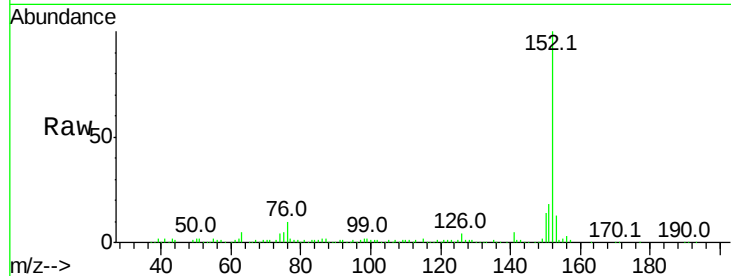
ClientSampleId :

E2-S13-SSW

Tot Ion	Ratio	Resp	Lower	Upper
152	100	137577		
151	18.2		16.8	25.2
153	13.3		10.8	16.2

Manual Integrations
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#49

Dimethylphthalate

Concen: 4.05 ng

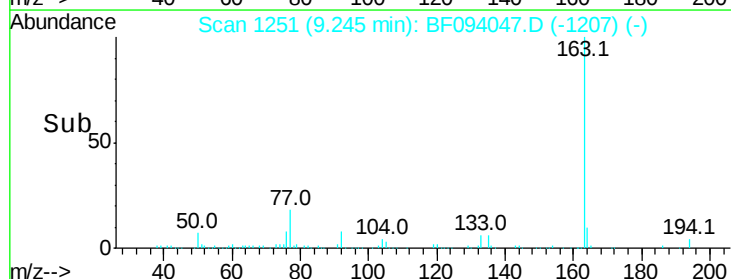
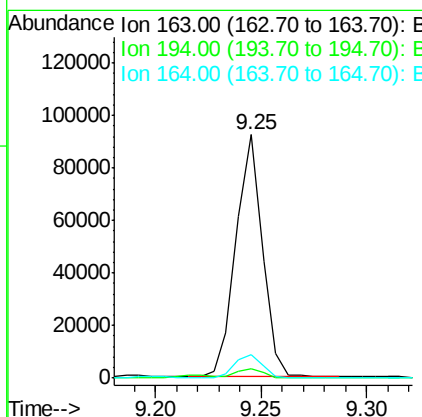
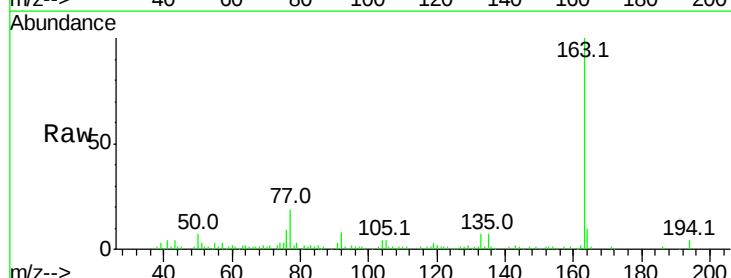
RT: 9.25 min Scan# 1251

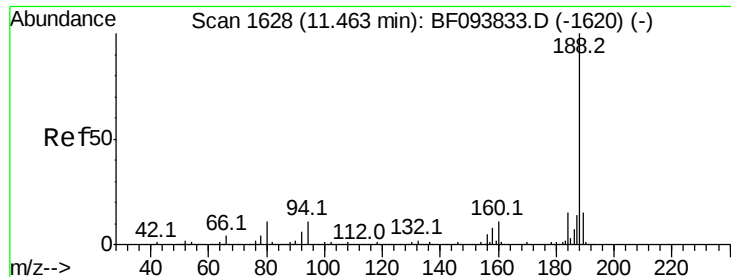
Delta R.T. -0.04 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	80056		
194	4.1		2.6	4.0#
164	9.7		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1616

Delta R.T. -0.03 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Instrument :

BNA_F

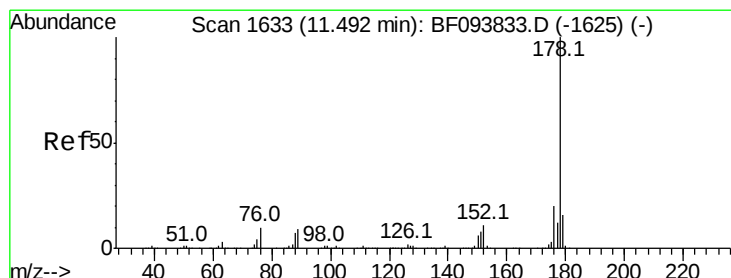
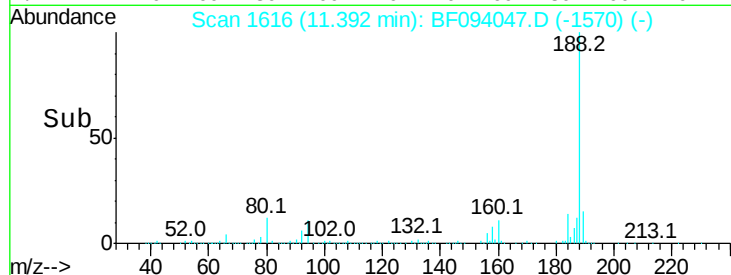
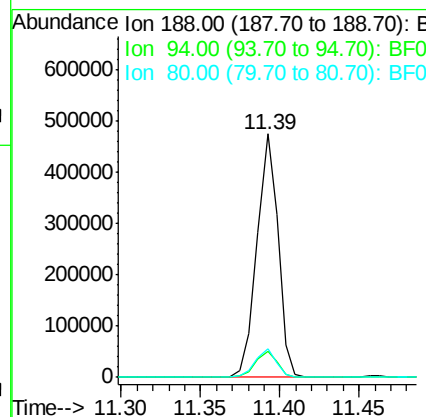
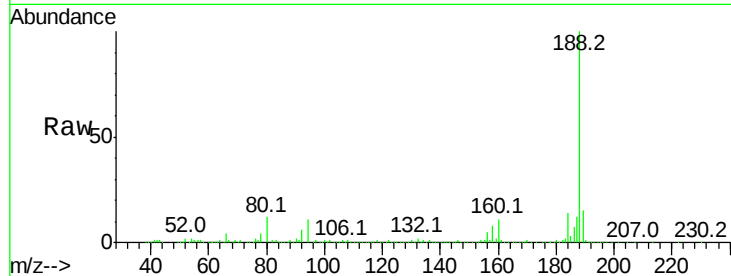
ClientSampleId :

E2-S13-SSW

Tot Ion:	188	Resp:	440735
Ion Ratio	Lower	Upper	
188	100		
94	10.7	9.4	14.2
80	11.6	10.2	15.2

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#70

Phenanthrene

Concen: 12.79 ng

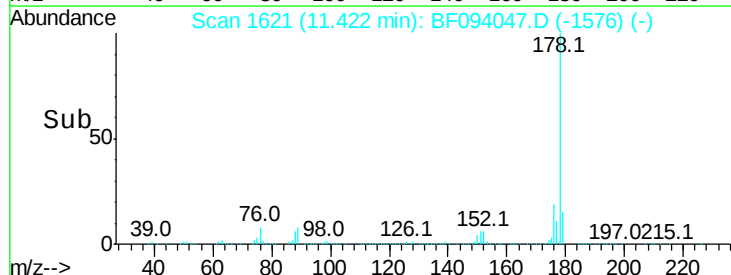
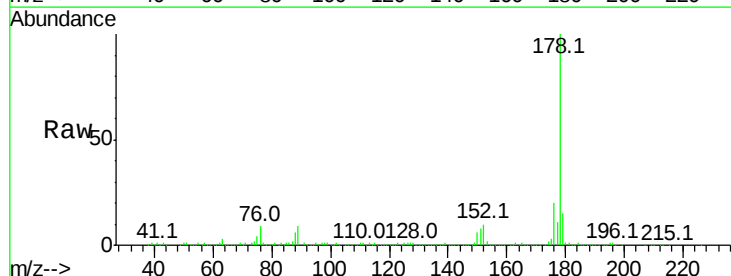
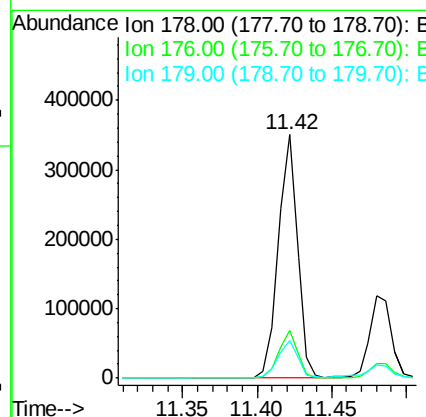
RT: 11.42 min Scan# 1621

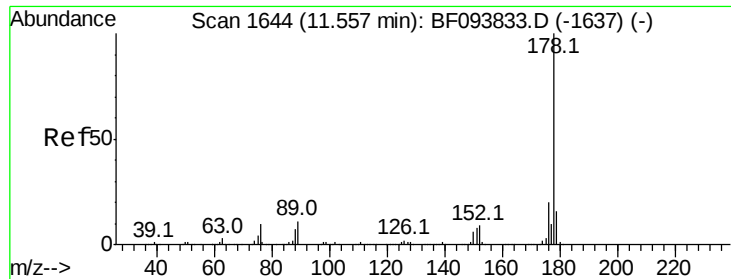
Delta R.T. -0.04 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Tgt Ion:	178	Resp:	313603
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.2	24.4
179	15.2	12.6	19.0





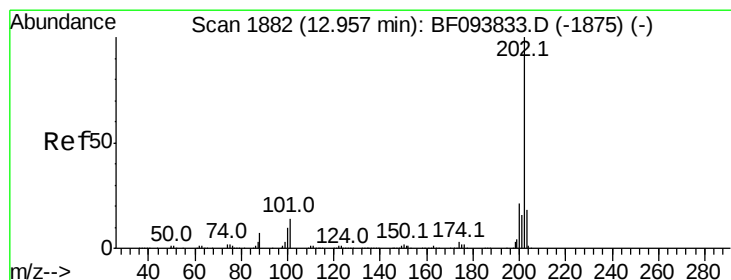
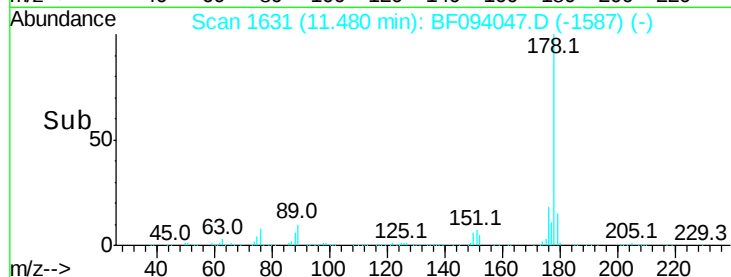
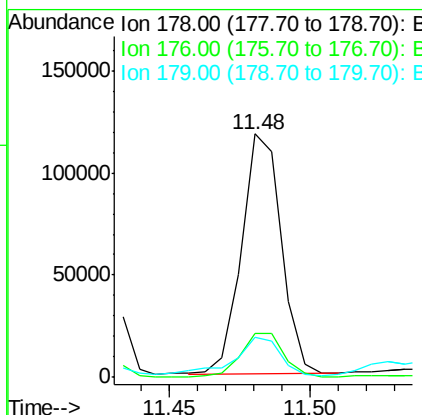
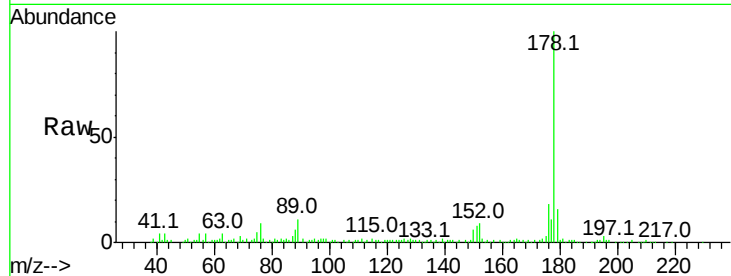
#71
 Anthracene
 Concen: 4.55 ng
 RT: 11.48 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF094047.D
 Acq: 30 Mar 2017 6:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-S13-SSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	16.3	12.7	19.1

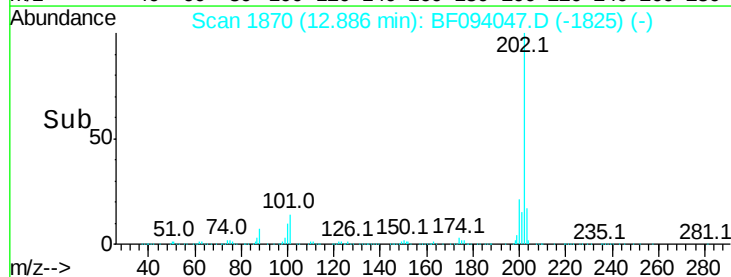
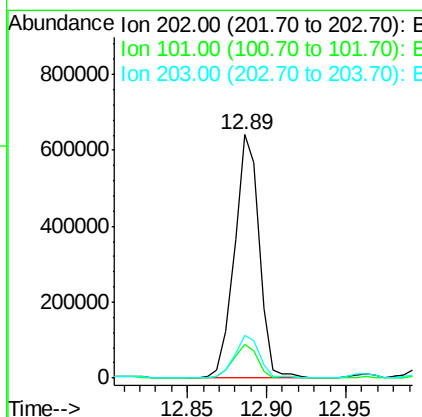
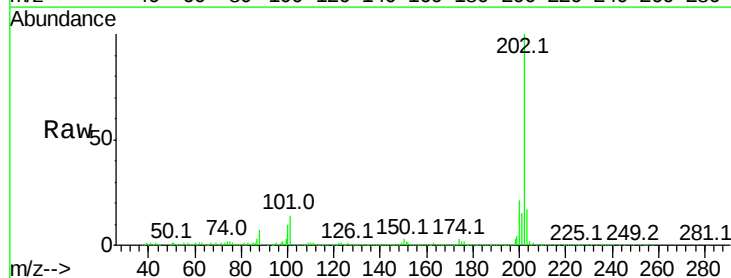
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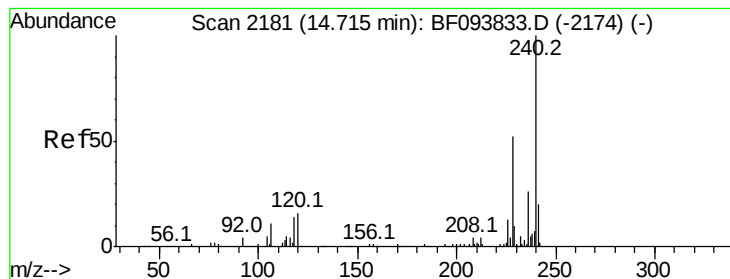
mohammad
 3/30/2017 2:32:22 PM



#74
 Fluoranthene
 Concen: 27.38 ng
 RT: 12.89 min Scan# 1870
 Delta R.T. -0.04 min
 Lab File: BF094047.D
 Acq: 30 Mar 2017 6:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.65 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Instrument :

BNA_F

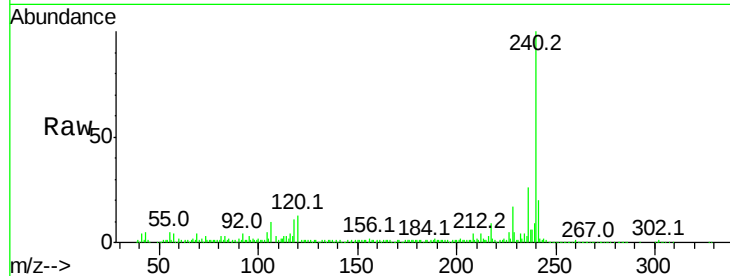
ClientSampleId :

E2-S13-SSW

Tot Ion	Ratio	Resp	Lower	Upper
240	100	296116		
120	13.0	5.8	8.8#	
236	25.9	20.5	30.7	

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Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.65

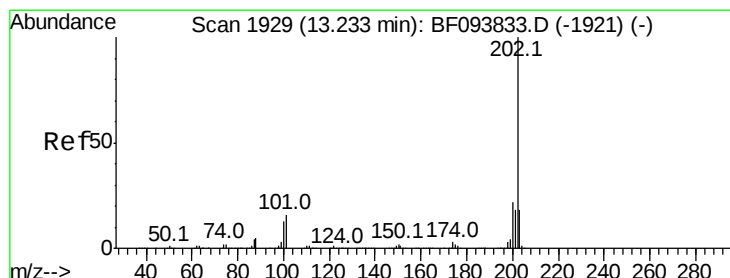
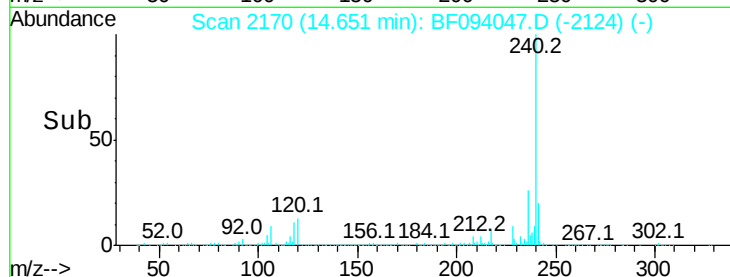
300000

200000

100000

0

Time-->



#77

Pyrene

Concen: 28.78 ng

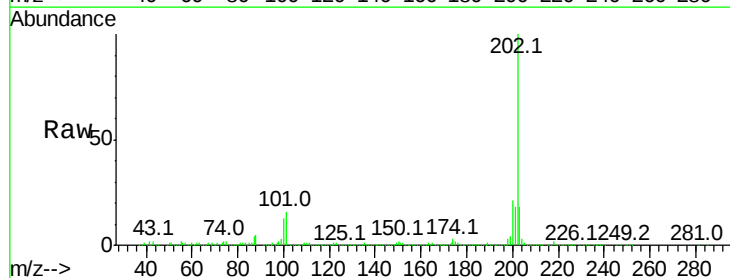
RT: 13.16 min Scan# 1917

Delta R.T. -0.04 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	618527		
200	21.1	17.6	26.4	
203	18.3	14.4	21.6	



Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

13.16

800000

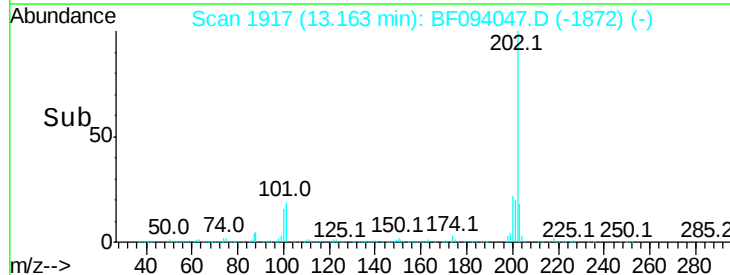
600000

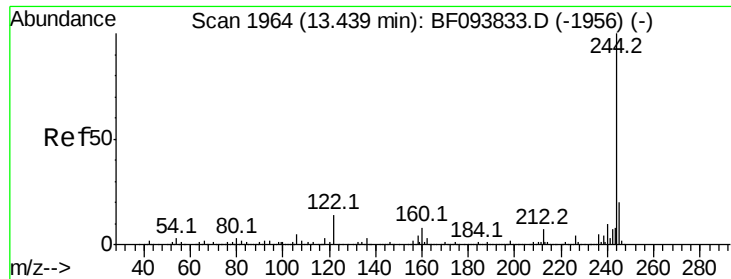
400000

200000

0

Time-->





#78

Terphenyl-d14

Concen: 65.62 ng

RT: 13.37 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Instrument :

BNA_F

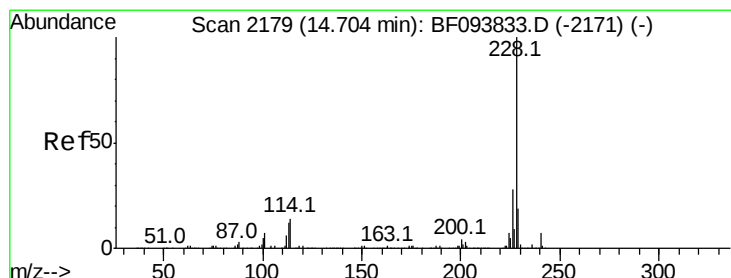
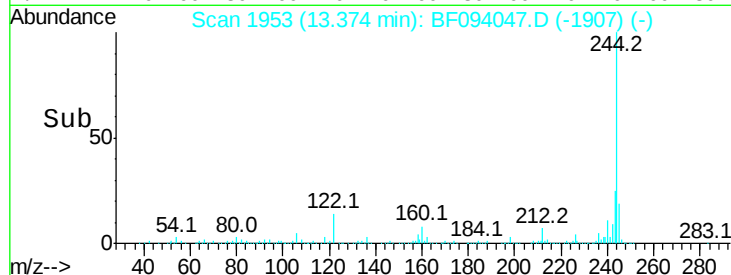
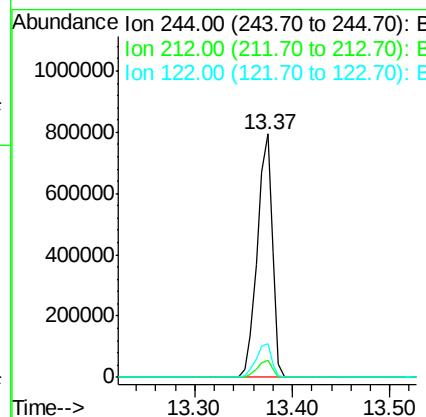
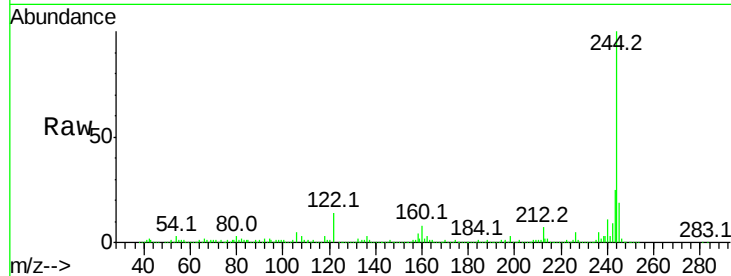
ClientSampled :

E2-S13-SSW

Tot Ion:	244	Resp:	866896
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	13.6	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 18.77 ng

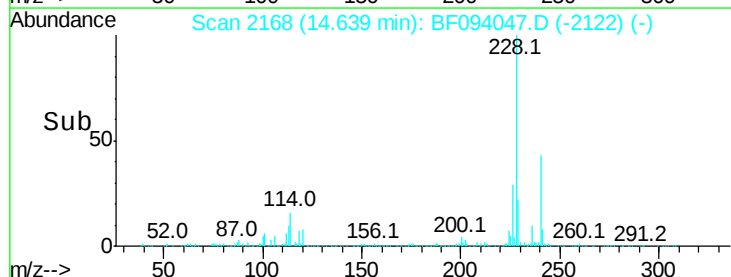
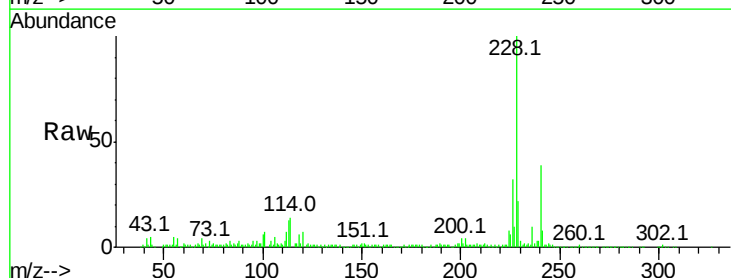
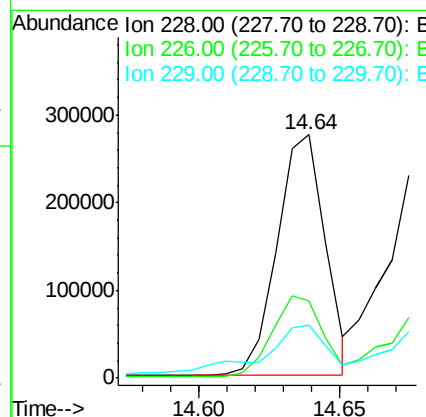
RT: 14.64 min Scan# 2168

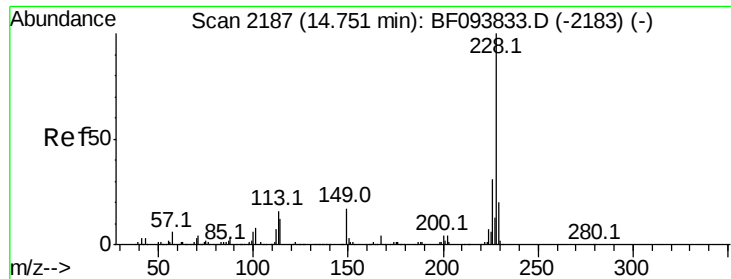
Delta R.T. -0.03 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Tgt Ion:	228	Resp:	324049
Ion Ratio	Lower	Upper	
228	100		
226	31.5	22.6	33.8
229	22.0	16.3	24.5





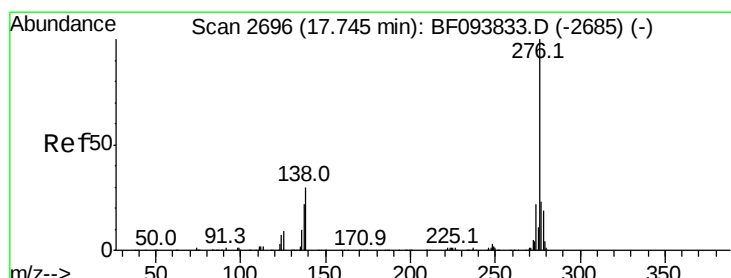
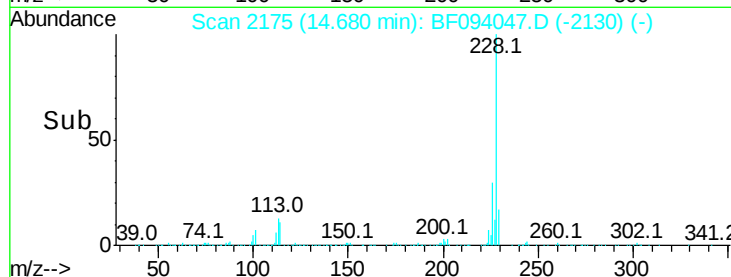
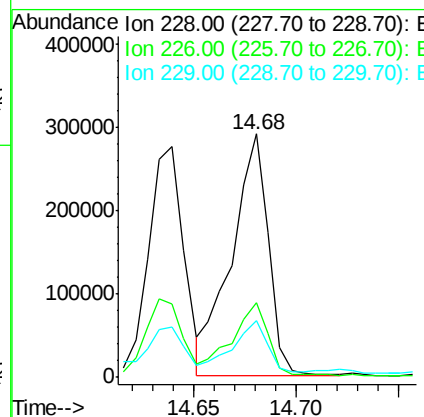
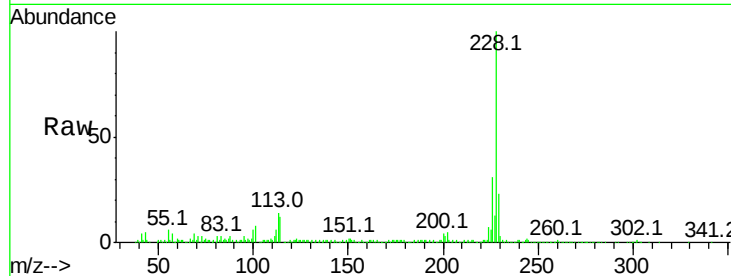
#82
Chrysene
Concen: 22.83 ng/ml
RT: 14.68 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Instrument :
BNA_F
ClientSampleId :
E2-S13-SSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	23.4	15.8	23.6

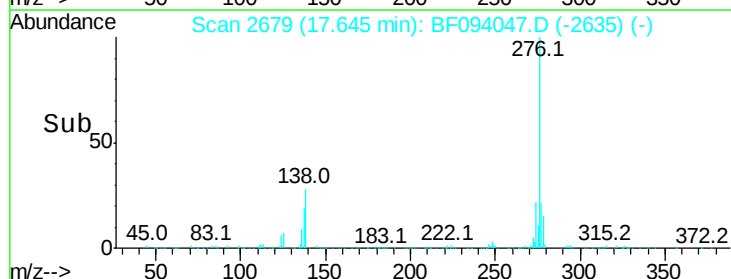
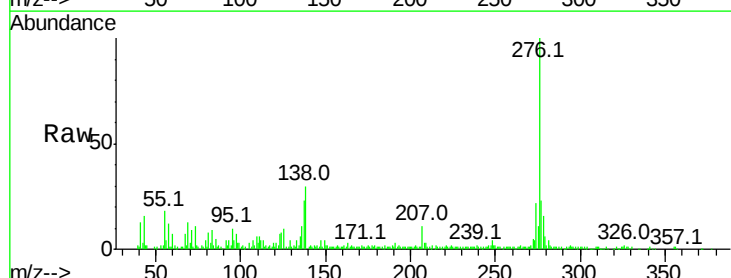
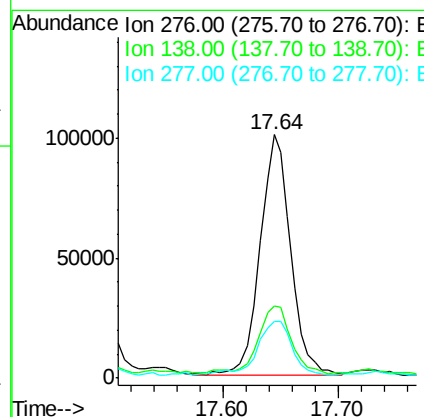
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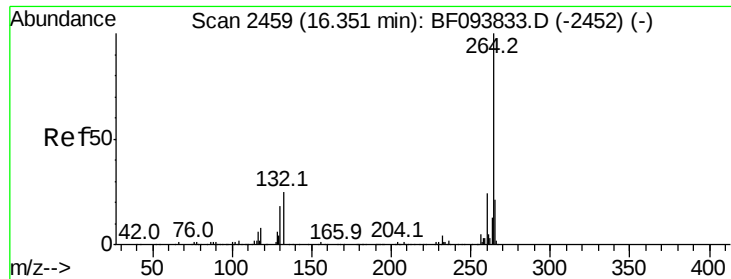
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 13.27 ng/ml
RT: 17.64 min Scan# 2679
Delta R.T. -0.04 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	27.8	41.6
277	26.7	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.29 min Scan# 2448

Delta R.T. -0.02 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Instrument :

BNA_F

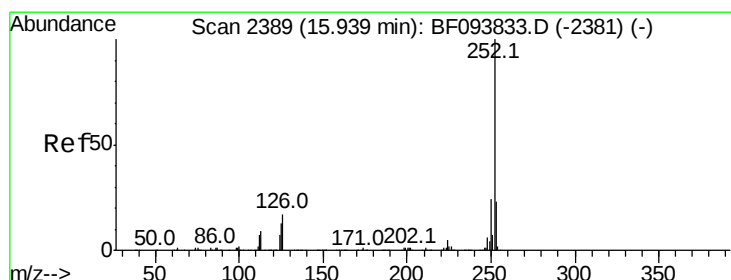
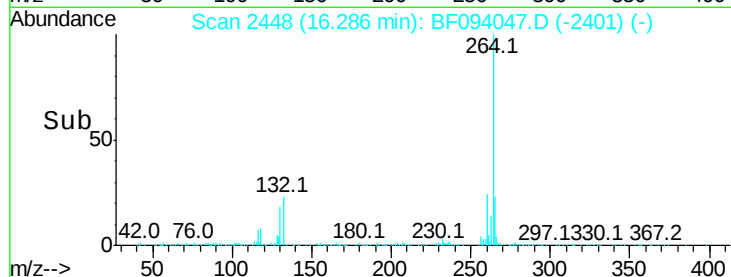
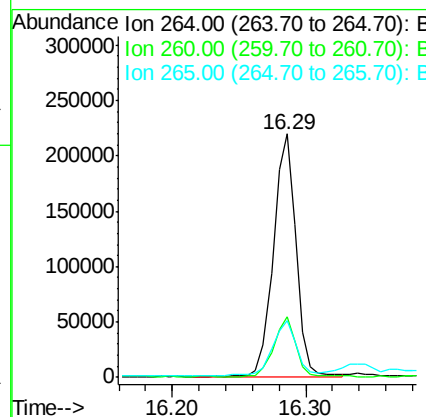
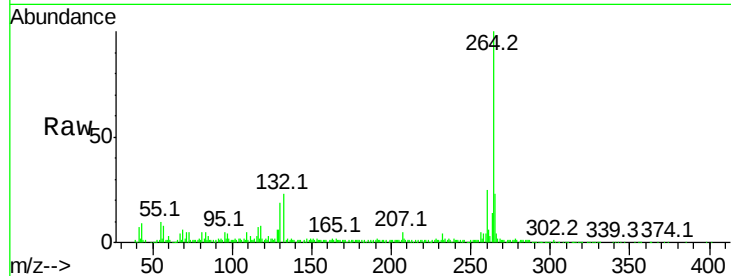
ClientSampleId :

E2-S13-SSW

Tot Ion:	264	Resp:	258587
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.5	29.3
265	23.4	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 30.55 ng m

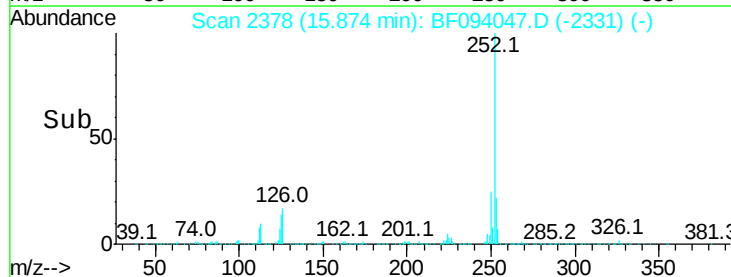
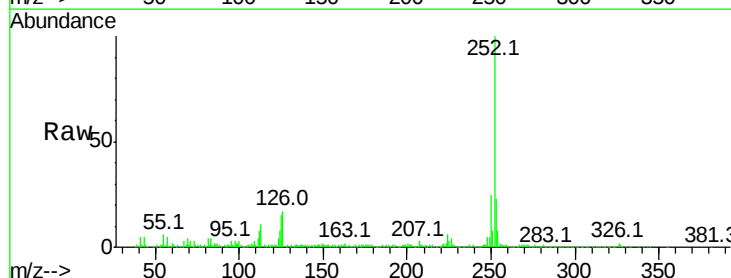
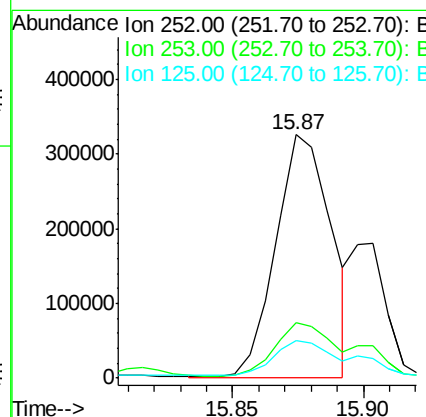
RT: 15.87 min Scan# 2378

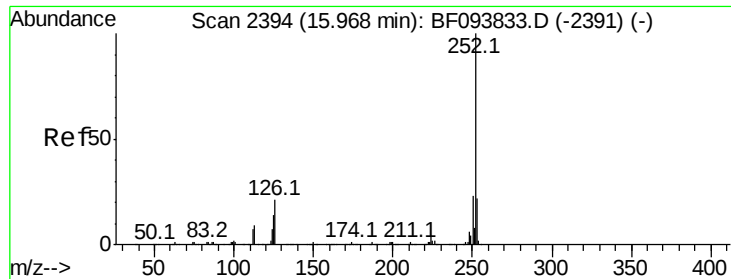
Delta R.T. -0.02 min

Lab File: BF094047.D

Acq: 30 Mar 2017 6:18

Tgt Ion:	252	Resp:	484200
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	15.5	9.8	14.8#





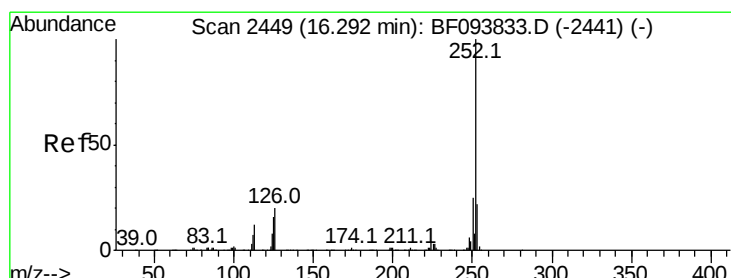
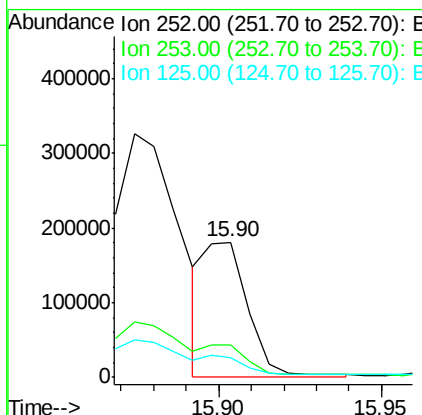
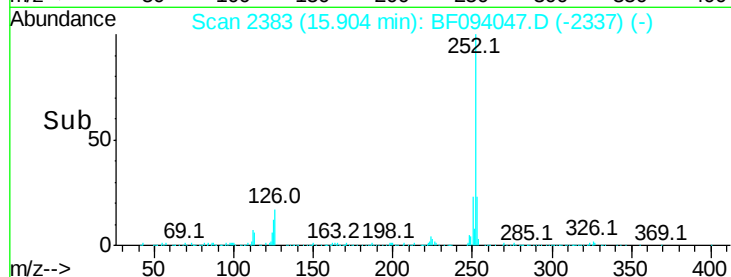
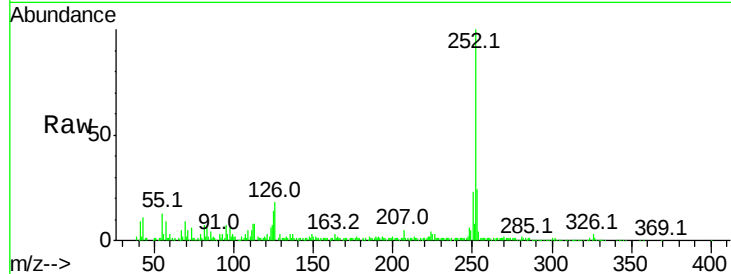
#88
Benzo(k)fluoranthene
Concen: 10.89 ng m
RT: 15.90 min Scan# 2383
Delta R.T. -0.03 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Instrument :
BNA_F
ClientSampleId :
E2-S13-SSW

Tot Ion	Ratio	Resp	Lower	Upper
252	100	168884		
253	24.2	18.4	27.6	
125	14.2	13.1	19.7	

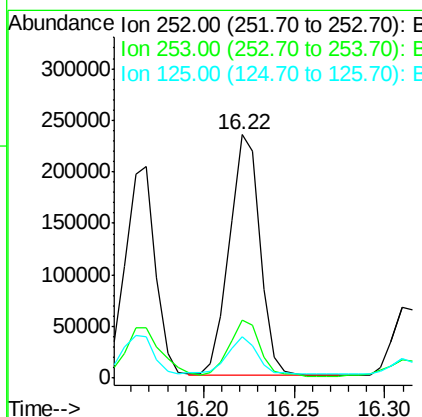
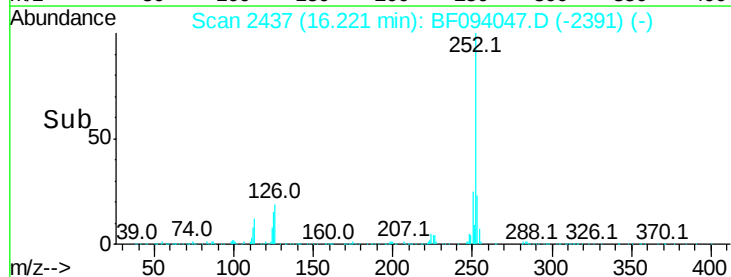
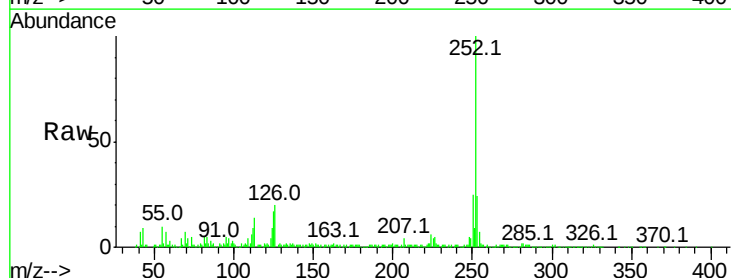
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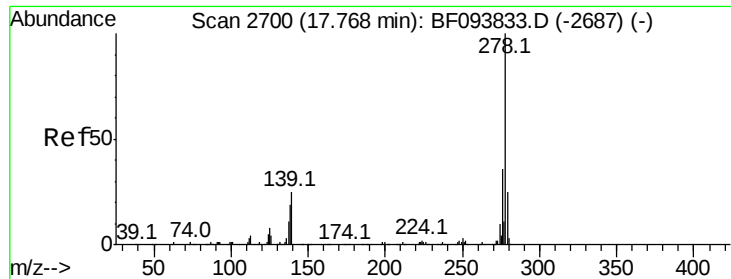
mohammad
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#89
Benzo(a)pyrene
Concen: 18.83 ng
RT: 16.22 min Scan# 2437
Delta R.T. -0.03 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	274904		
253	23.9	17.5	26.3	
125	16.9	11.0	16.4	





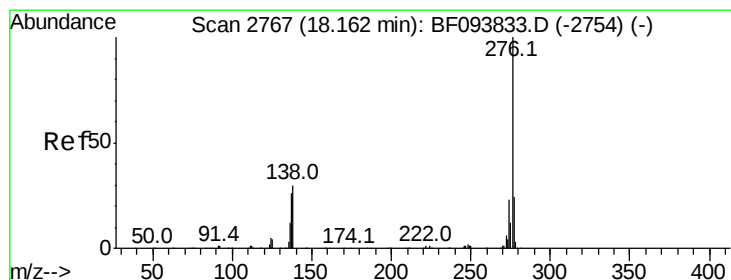
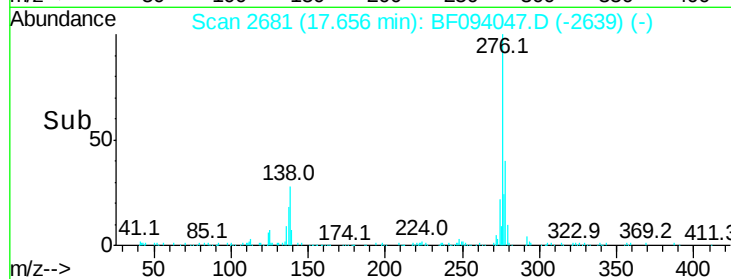
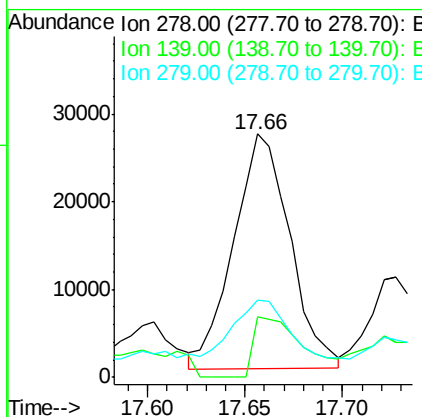
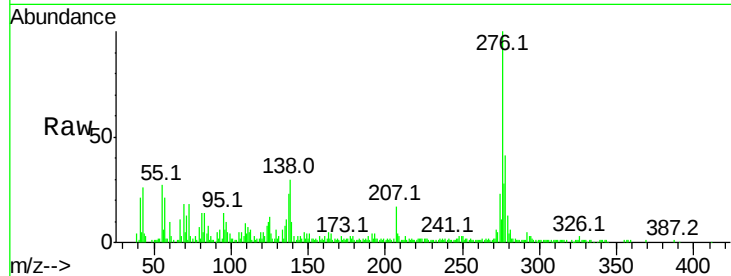
#90
Dibenzo(a,h)anthracene
Concen: 4.33 ng
RT: 17.66 min Scan# 2681
Delta R.T. -0.05 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Instrument :
BNA_F
ClientSampleId :
E2-S13-SSW

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.8	16.6	24.8
279	31.9	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 12.73 ng
RT: 18.04 min Scan# 2747
Delta R.T. -0.05 min
Lab File: BF094047.D
Acq: 30 Mar 2017 6:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.9	18.6	28.0
138	30.6	25.4	38.0

