

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094013.D
 Acq On : 29 Mar 2017 00:44
 Operator : SJ/MA
 Sample : I2414-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S13-BASE

Manual Integrations
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mohammad
 3/29/2017 1:57:05 PM

Quant Time: Mar 29 04:19:52 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	5.93	152	162653	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	675241	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	310328	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	525862	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	354911	20.00	ng	-0.04
86) Perylene-d12	16.27	264	274233	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	966157	100.33	ng	-0.01
7) Phenol-d6	5.53	99	1271234	106.71	ng	-0.02
23) Nitrobenzene-d5	6.57	82	849522	71.80	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	253107	103.21	ng	-0.03
44) 2-Fluorobiphenyl	8.75	172	1328749	65.31	ng	-0.03
78) Terphenyl-d14	13.37	244	875335	55.28	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.25	163	119469	5.42	ng	99
70) Phenanthrene	11.42	178	121594	4.16	ng	97
74) Fluoranthene	12.89	202	144793	4.83	ng	97
77) Pyrene	13.16	202	140989	5.47	ng	97
80) Benzo(a)anthracene	14.63	228	54171	2.62	ng	94
82) Chrysene	14.67	228	57867m	3.01	ng	
87) Benzo(b)fluoranthene	15.86	252	63406m	3.77	ng	
89) Benzo(a)pyrene	16.21	252	41614	2.69	ng	# 92
91) Benzo(g,h,i)perylene	18.02	276	33986	2.57	ng	99

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

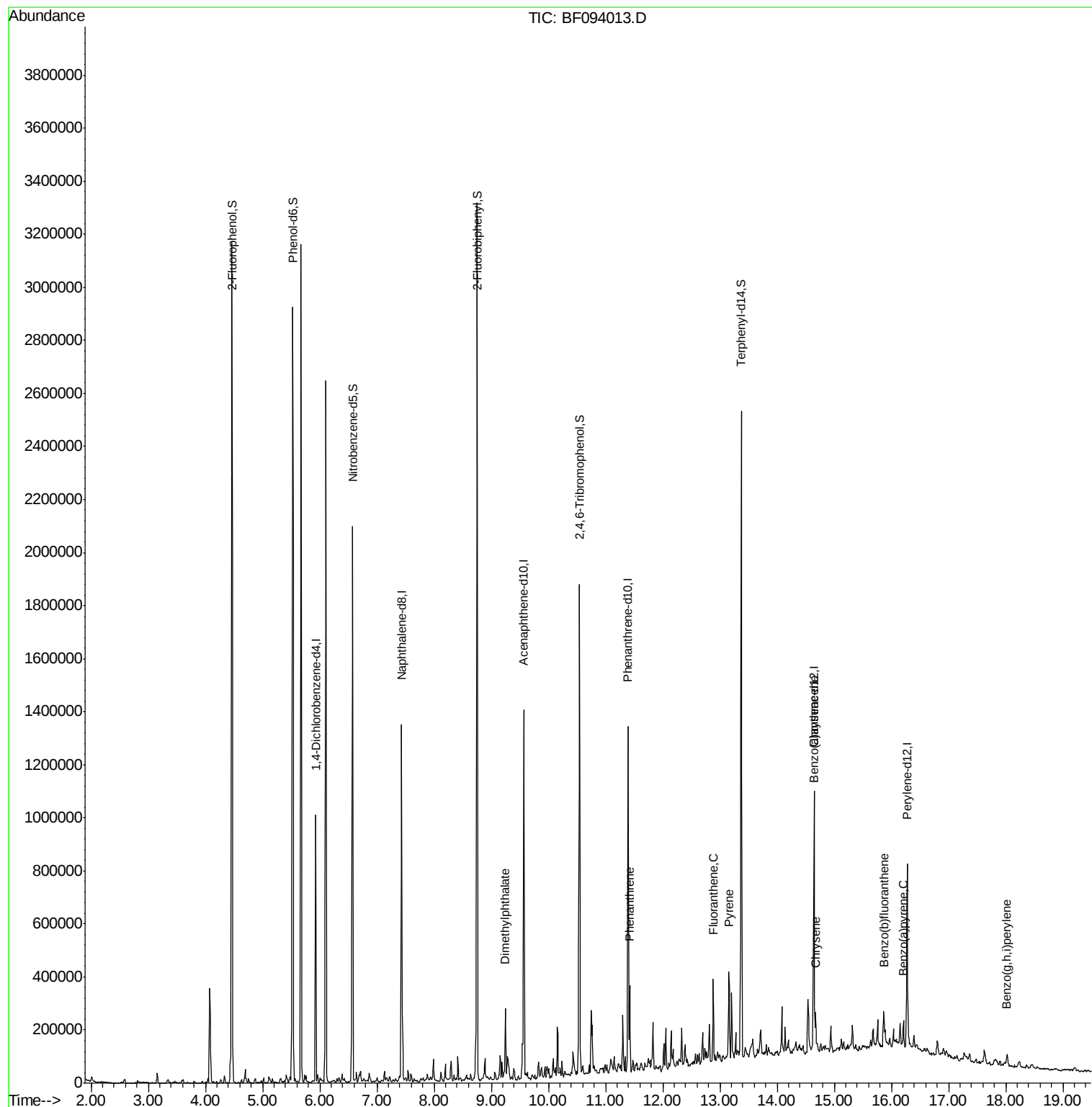
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
Data File : BF094013.D
Acq On : 29 Mar 2017 00:44
Operator : SJ/MA
Sample : I2414-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

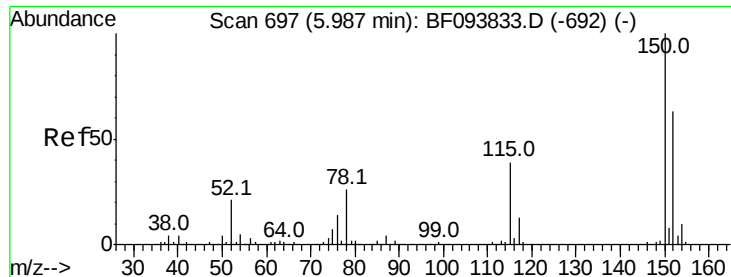
Instrument :
BNA_F
ClientSampleId :
E2-S13-BASE

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Response via : Initial Calibration





#1

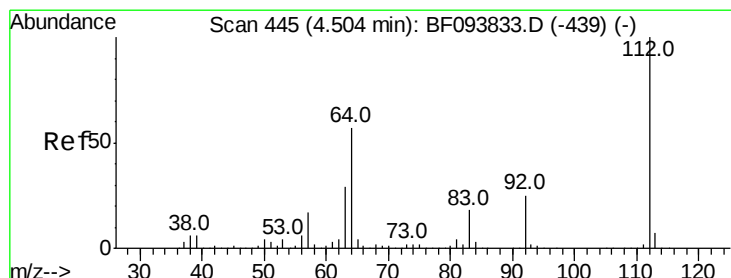
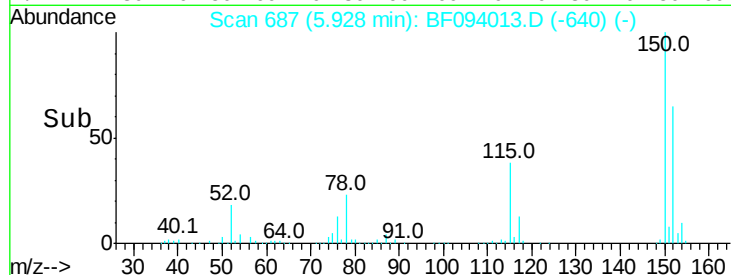
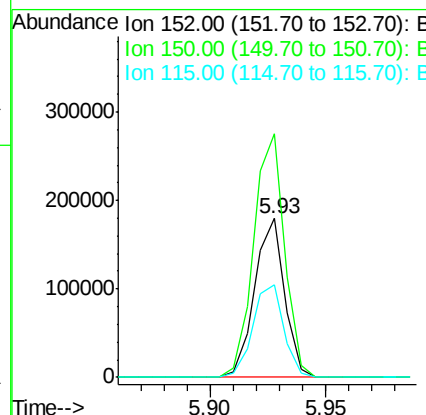
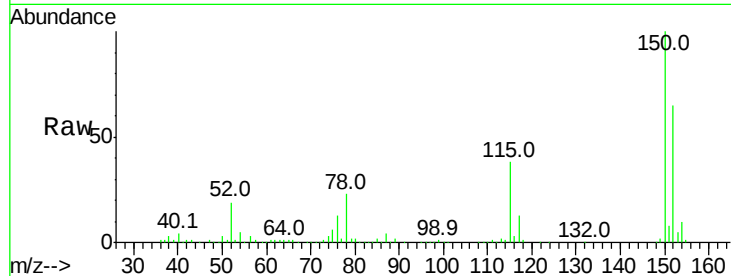
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.93 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-S13-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	126.2	189.2
115	58.7	52.2	78.2

Manual Integrations
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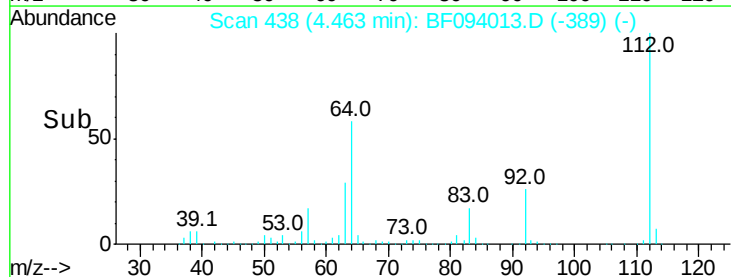
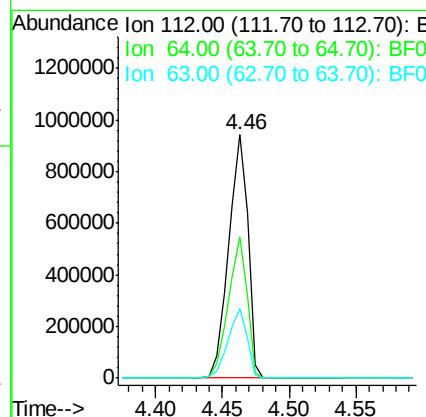
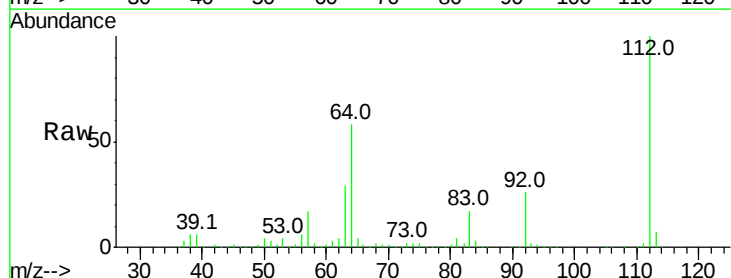
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#5

2-Fluorophenol
 Concen: 100.33 ng
 RT: 4.46 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.0	69.0
63	28.6	23.4	35.0





#7

Phenol-d6

Concen: 106.71 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

ClientSampleId :

E2-S13-BASE

Tot Ion: 99 Resp: 1271234

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

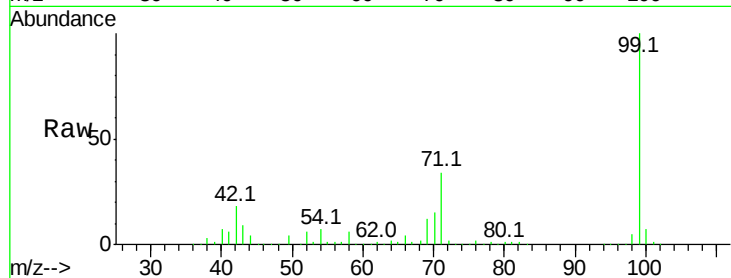
71 34.3 24.5 36.7

Manual Integrations

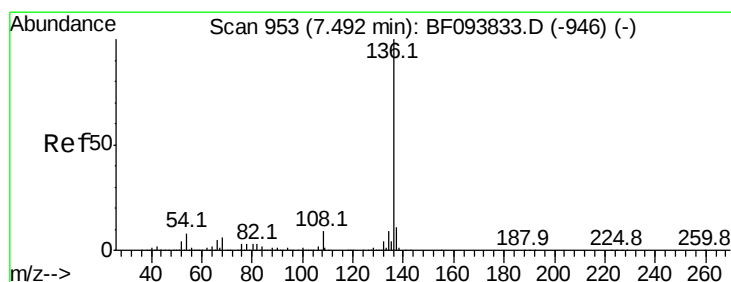
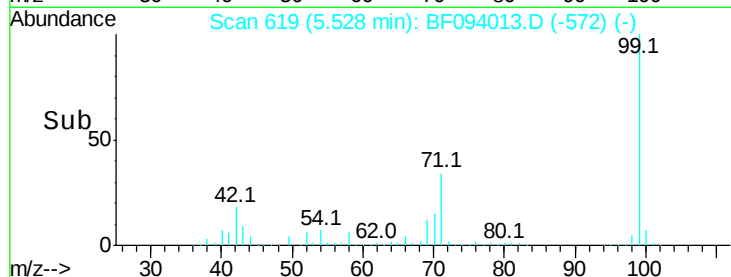
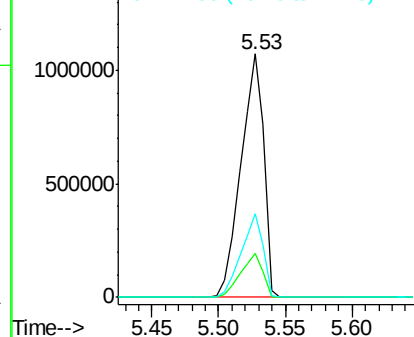
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Tgt Ion: 136 Resp: 675241

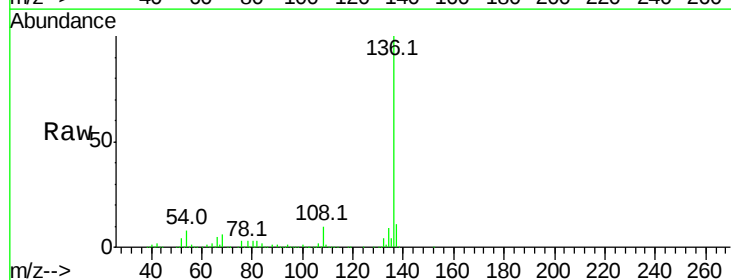
Ion Ratio Lower Upper

136 100

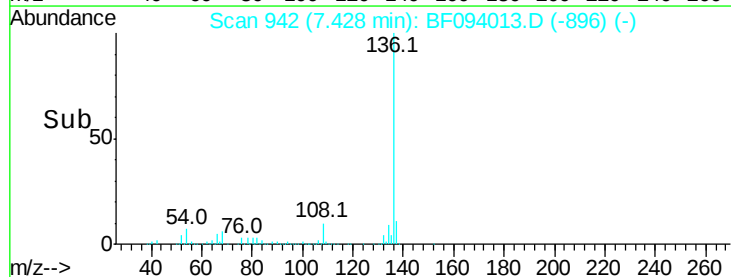
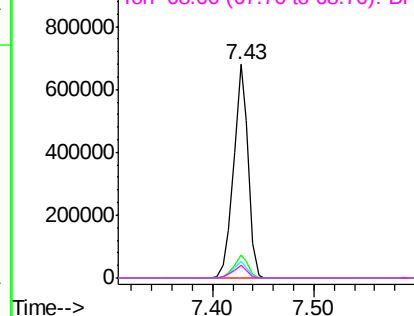
137 11.1 8.5 12.7

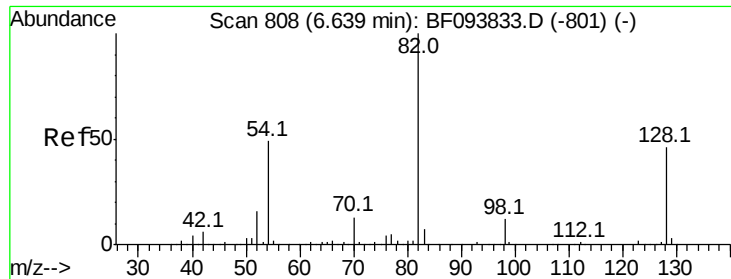
54 7.5 4.9 7.3#

68 6.1 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





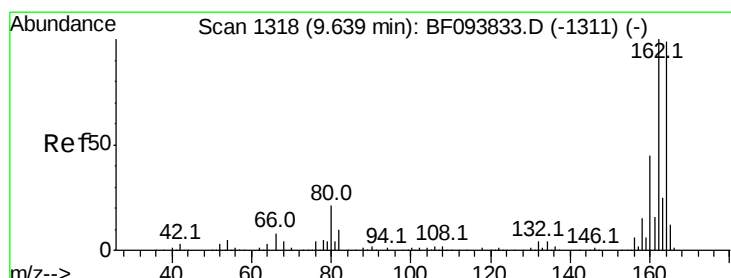
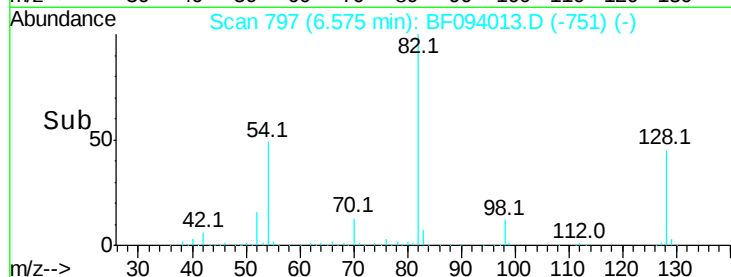
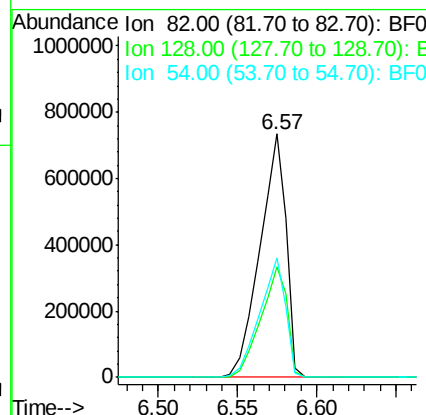
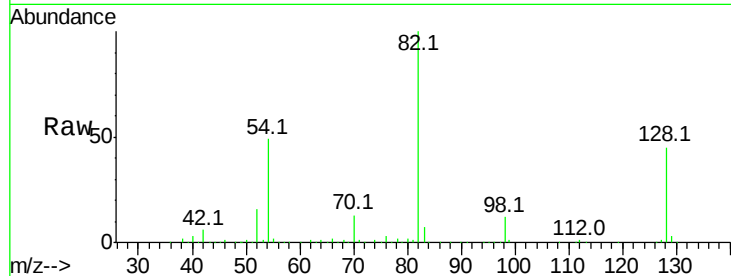
#23
Nitrobenzene-d5
Concen: 71.80 ng
RT: 6.57 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Instrument :
BNA_F
ClientSampleId :
E2-S13-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.0	51.0
54	49.2	42.2	63.2

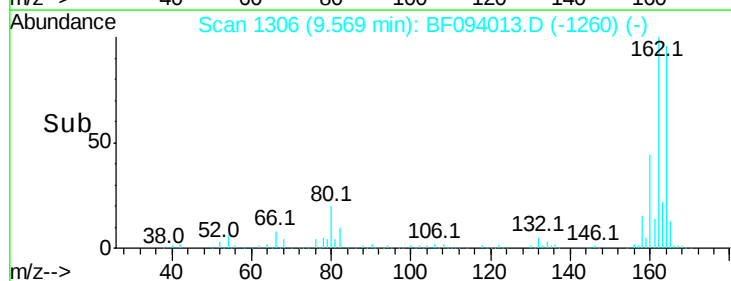
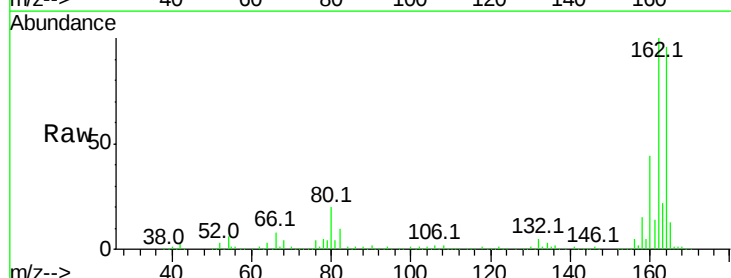
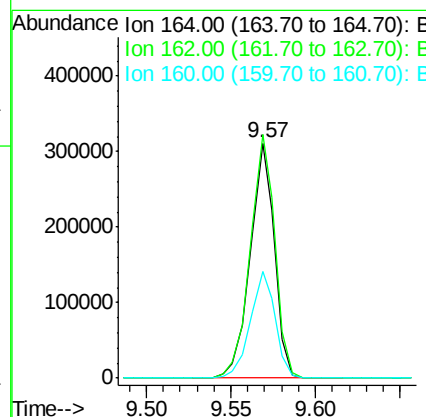
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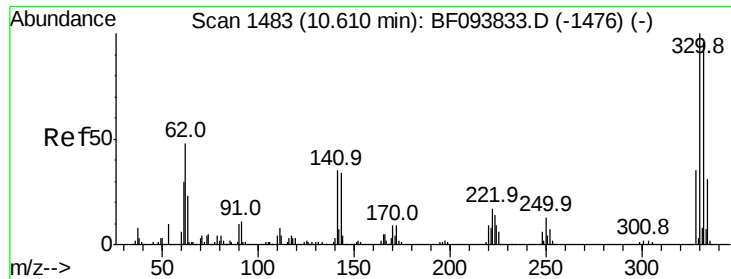
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	45.6	36.2	54.2





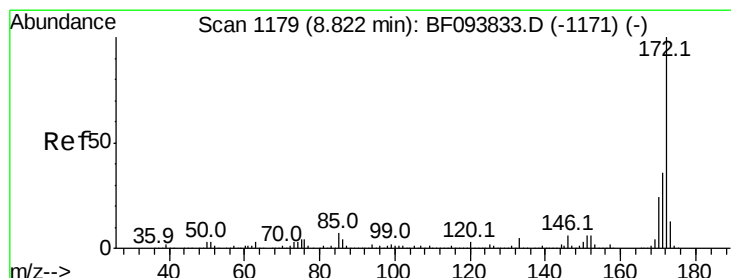
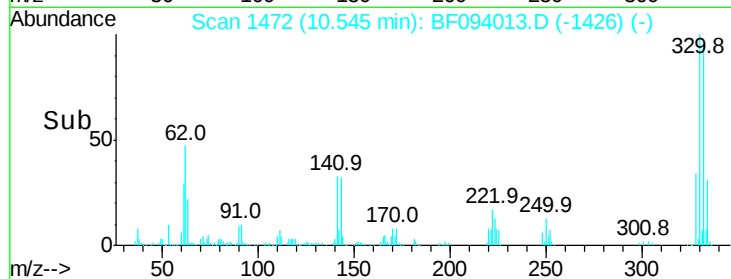
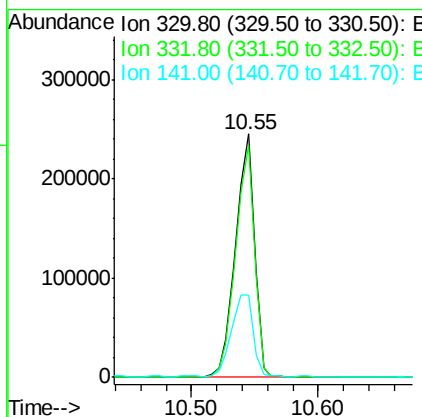
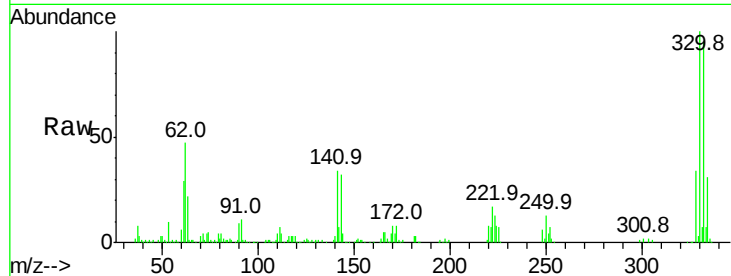
#41
 2,4,6-Tribromophenol
 Concen: 103.21 ng
 RT: 10.55 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-S13-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	253107		
332	95.2	76.6	115.0	
141	38.5	31.4	47.2	

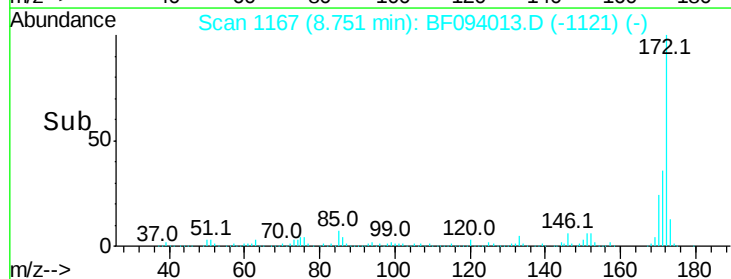
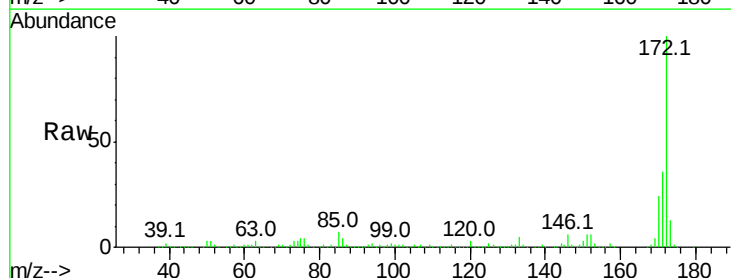
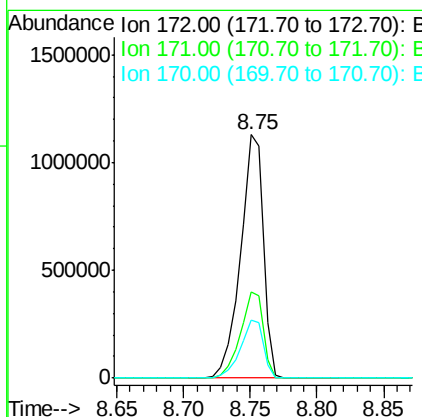
Manual Integrations
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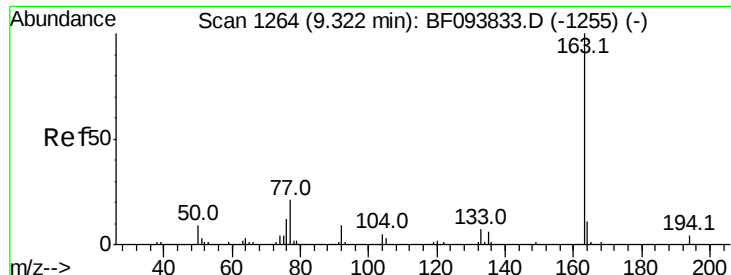
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#44
 2-Fluorobiphenyl
 Concen: 65.31 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1328749		
171	35.5	29.6	44.4	
170	23.9	19.8	29.8	





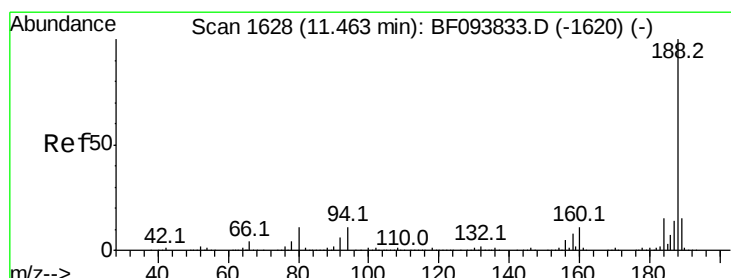
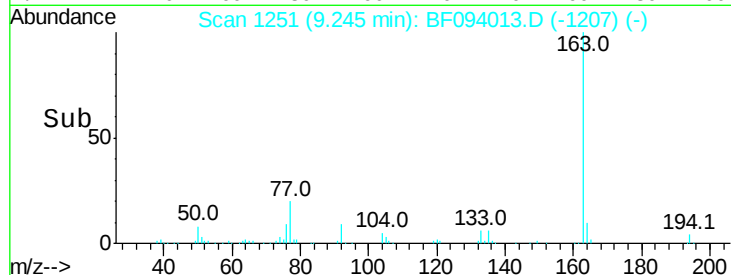
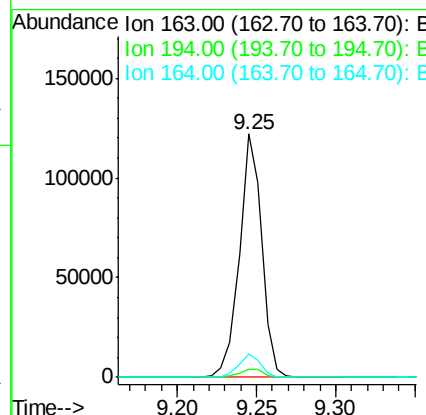
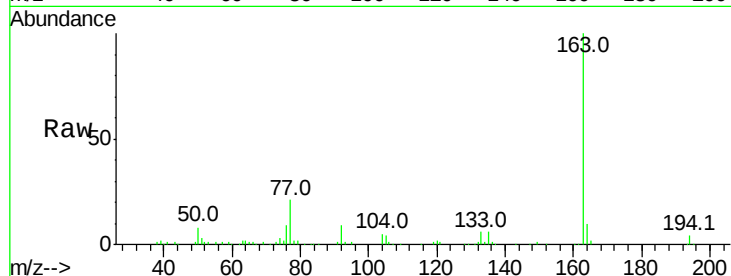
#49
Dimethylphthalate
Concen: 5.42 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.04 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Instrument :
BNA_F
ClientSampleId :
E2-S13-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	119469		
194	3.5	2.6	4.0	
164	9.9	8.4	12.6	

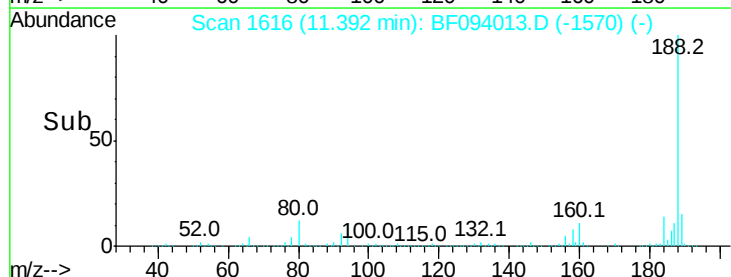
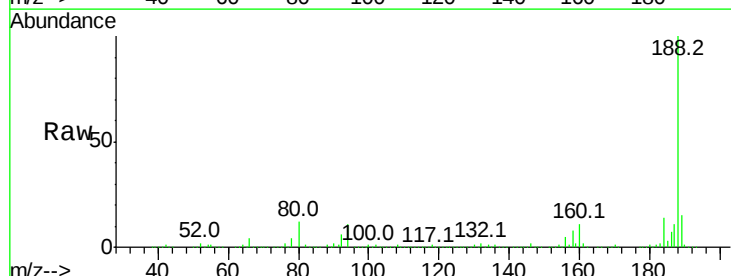
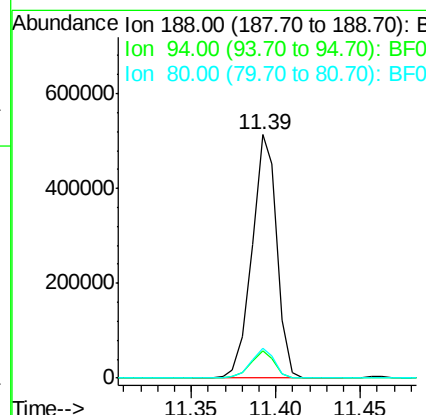
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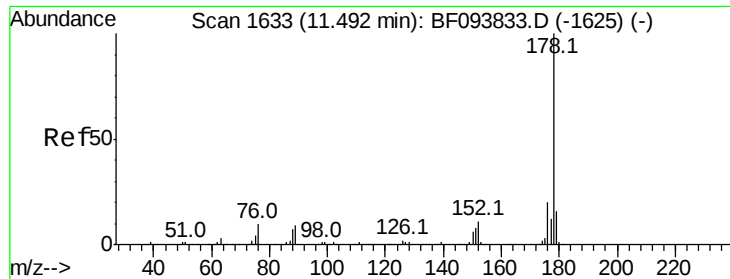
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	525862		
94	11.1	9.4	14.2	
80	12.1	10.2	15.2	





#70

Phenanthrene

Concen: 4.16 ng

RT: 11.42 min Scan# 1621

Delta R.T. -0.04 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

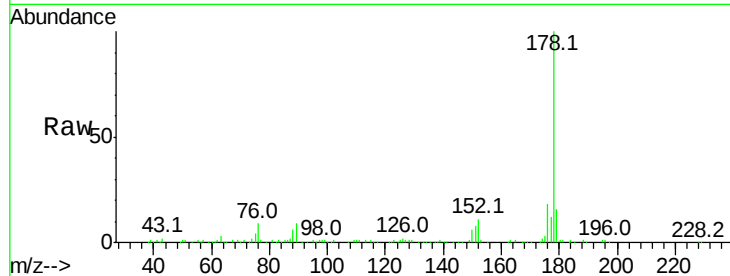
ClientSampleId :

E2-S13-BASE

Tot Ion:	178	Resp:	121594
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.2	24.4
179	15.9	12.6	19.0

Manual Integrations
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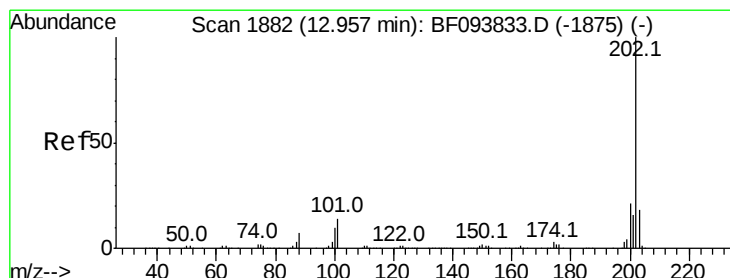
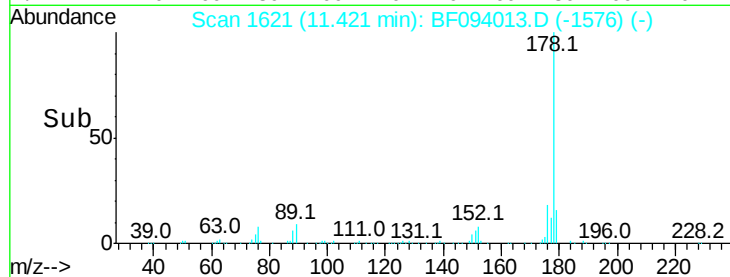
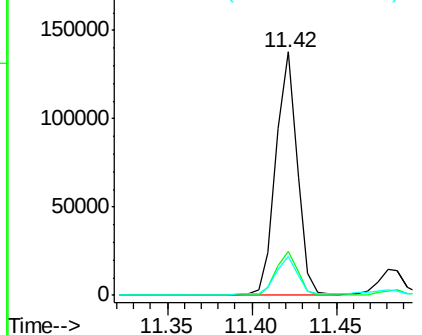
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.83 ng

RT: 12.89 min Scan# 1870

Delta R.T. -0.04 min

Lab File: BF094013.D

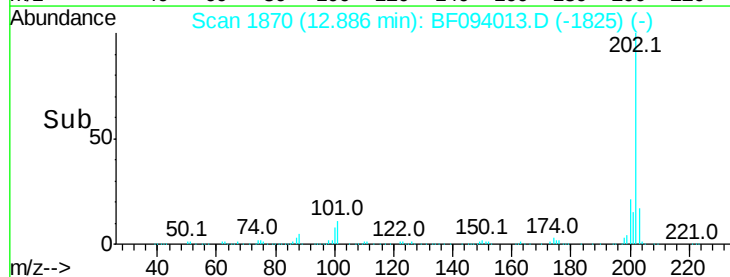
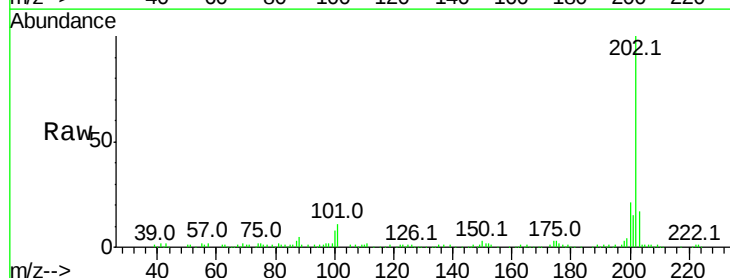
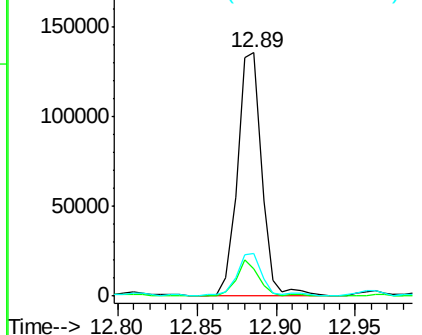
Acq: 29 Mar 2017 00:44

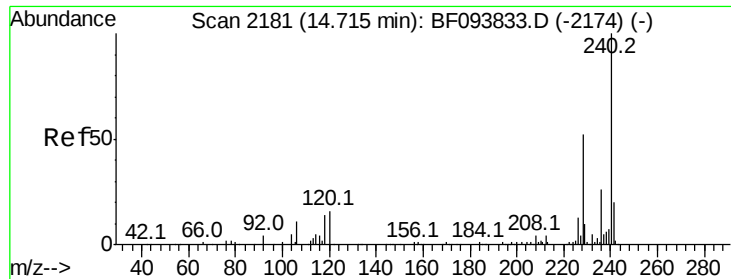
Tgt Ion:	202	Resp:	144793
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	33.2
203	17.4	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.64 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

ClientSampleId :

E2-S13-BASE

Tot Ion:240 Resp: 354911

Ion Ratio Lower Upper

240 100

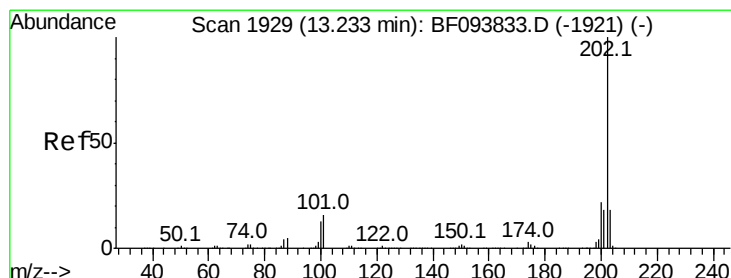
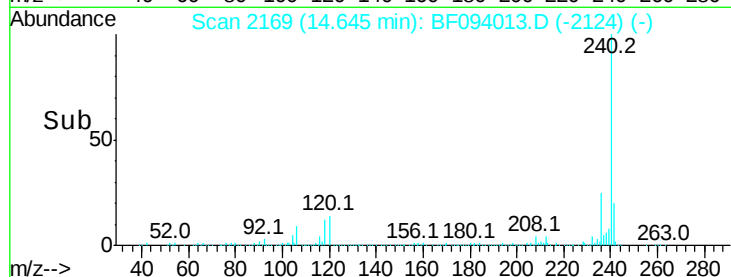
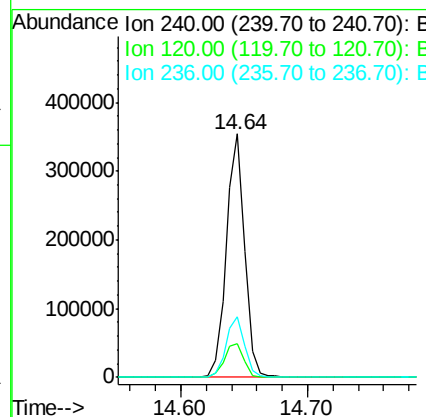
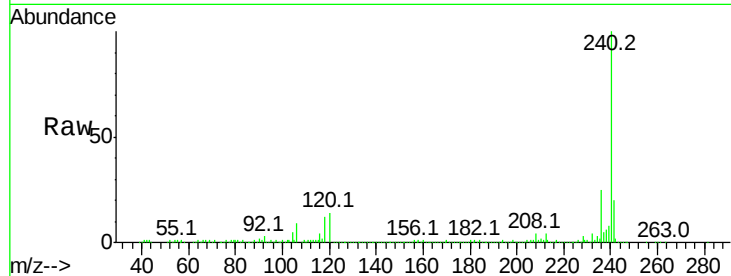
120 13.7 5.8 8.8#

236 25.1 20.5 30.7

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#77

Pyrene

Concen: 5.47 ng

RT: 13.16 min Scan# 1916

Delta R.T. -0.04 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

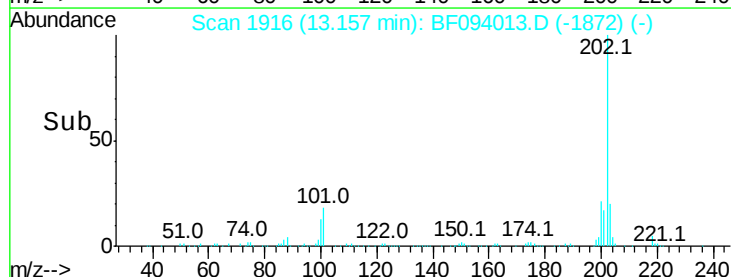
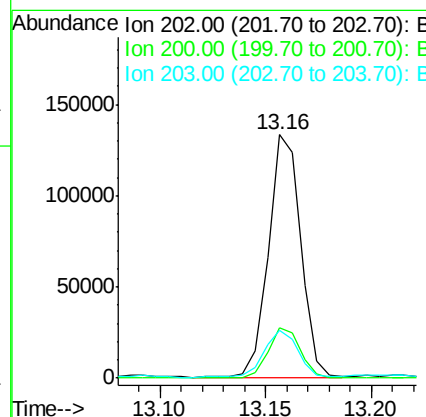
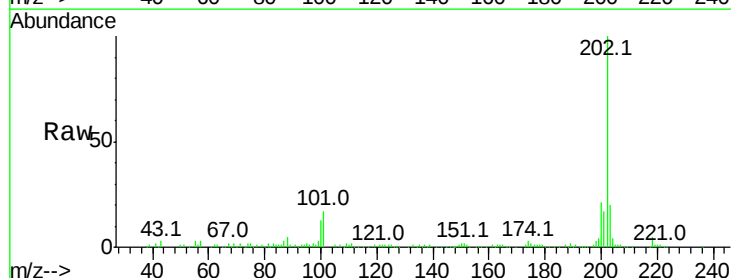
Tgt Ion:202 Resp: 140989

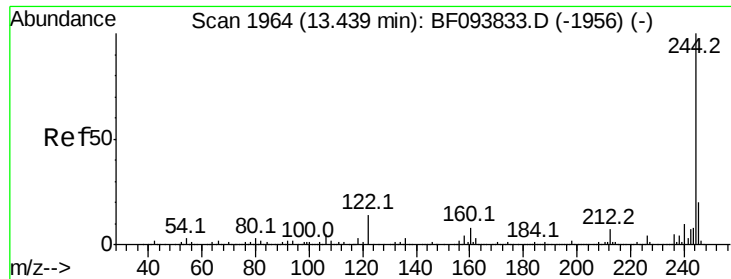
Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

203 19.7 14.4 21.6





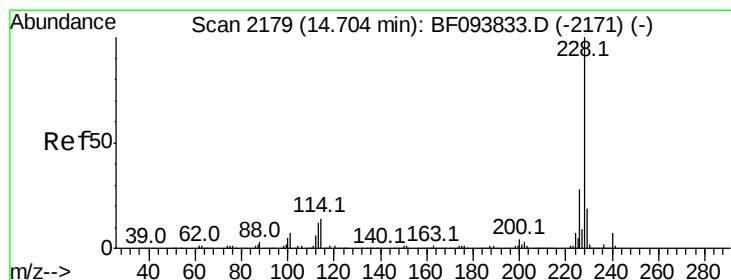
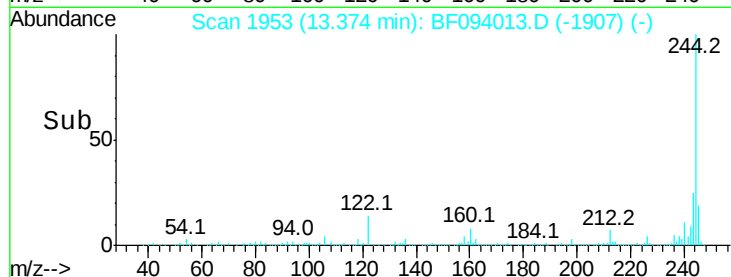
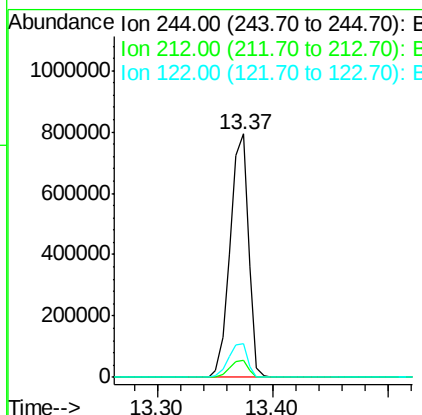
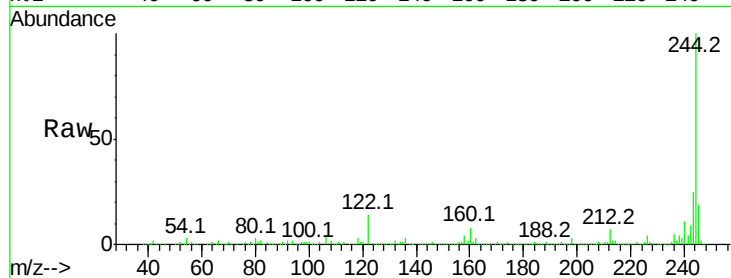
#78
 Terphenyl-d14
 Concen: 55.28 ng
 RT: 13.37 min Scan# 1953
 Delta R.T. -0.03 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Instrument :
 BNA_F
 ClientSampled :
 E2-S13-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.6	10.3	15.5

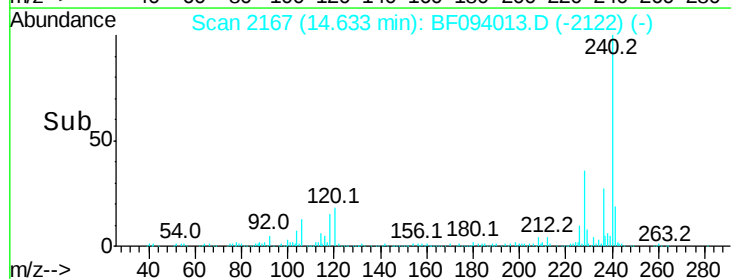
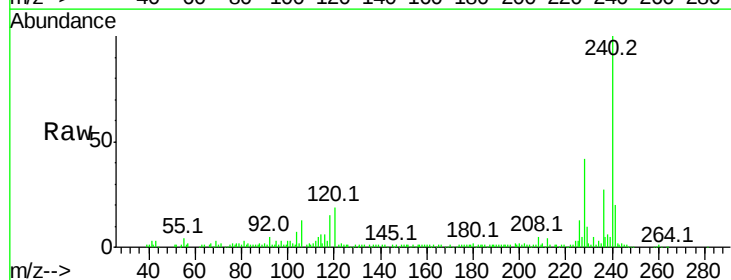
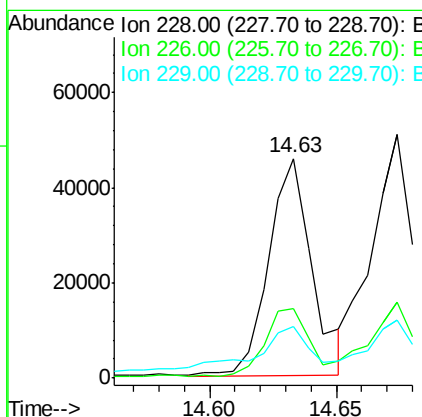
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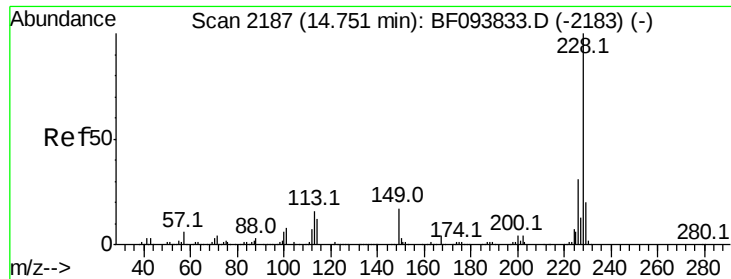
mohammad
 3/29/2017 1:57:05 PM



#80
 Benzo(a)anthracene
 Concen: 2.62 ng
 RT: 14.63 min Scan# 2167
 Delta R.T. -0.04 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	23.4	16.3	24.5





#82

Chrysene

Concen: 3.01 ng/mL

RT: 14.67 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

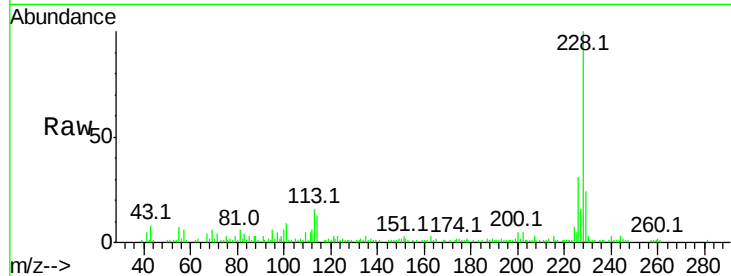
ClientSampleId :

E2-S13-BASE

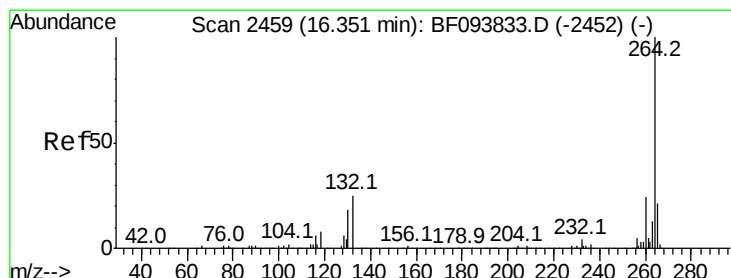
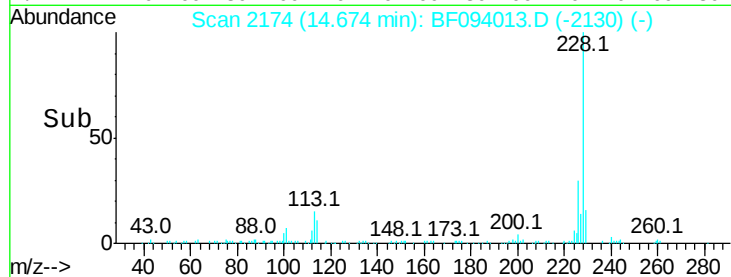
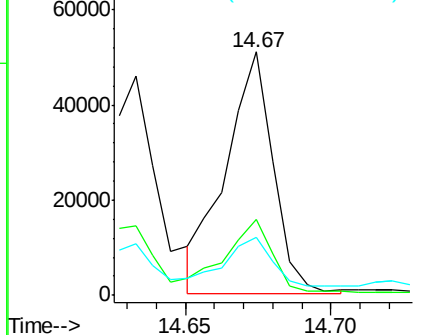
Tot Ion:	228	Resp:	57867
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.9	37.3
229	23.7	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng/mL

RT: 16.27 min Scan# 2446

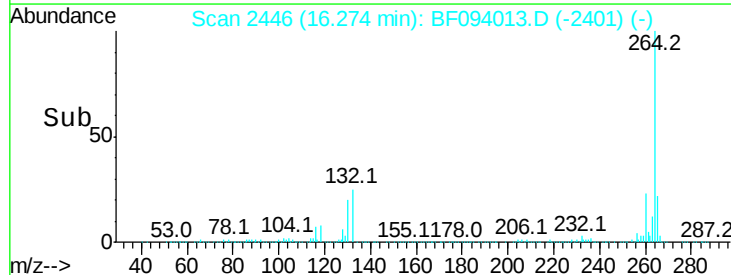
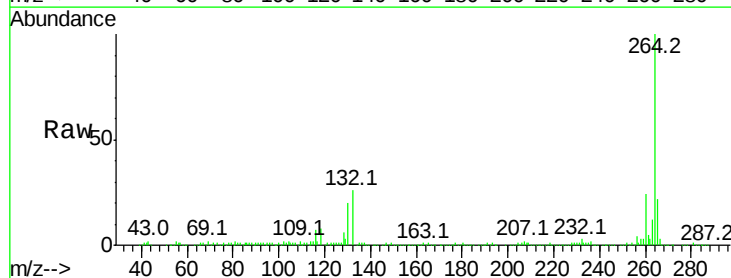
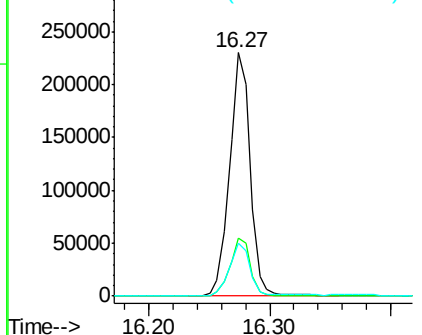
Delta R.T. -0.04 min

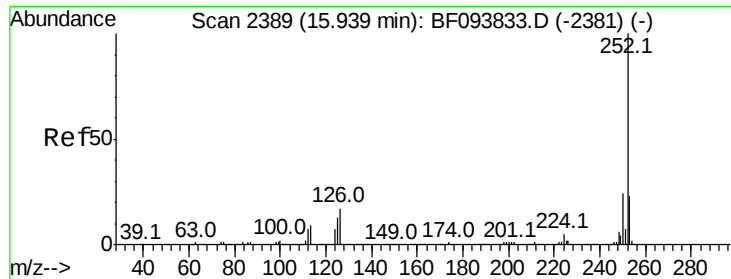
Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Tgt Ion:	264	Resp:	274233
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.5	29.3
265	21.8	17.2	25.8

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





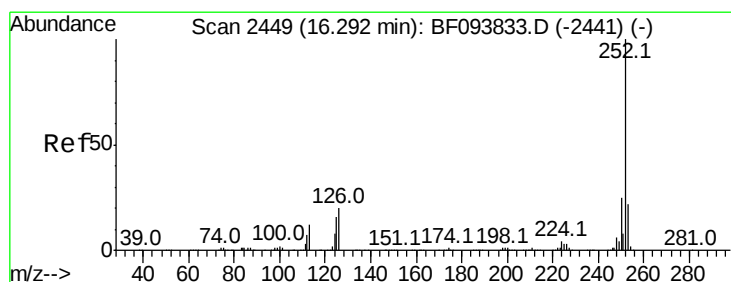
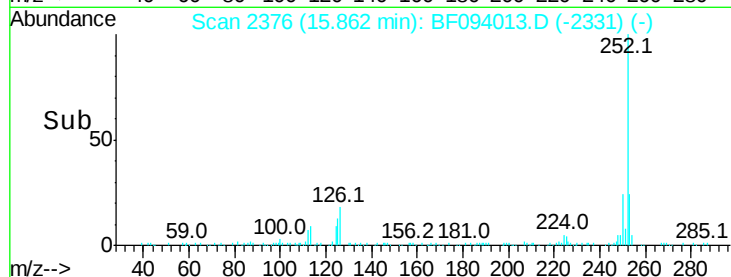
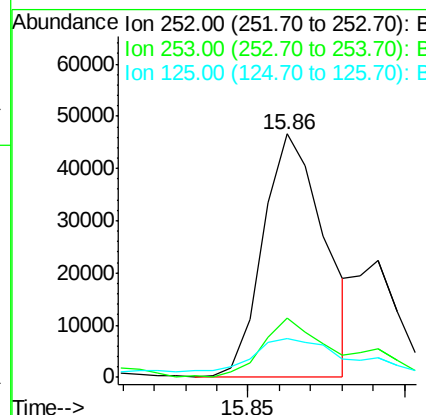
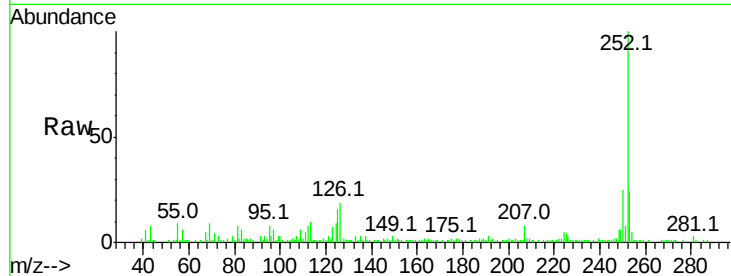
#87
Benzo(b)fluoranthene
Concen: 3.77 ng
RT: 15.86 min Scan# 2376
Delta R.T. -0.04 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Instrument :
BNA_F
ClientSampleId :
E2-S13-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	15.7	9.8	14.8

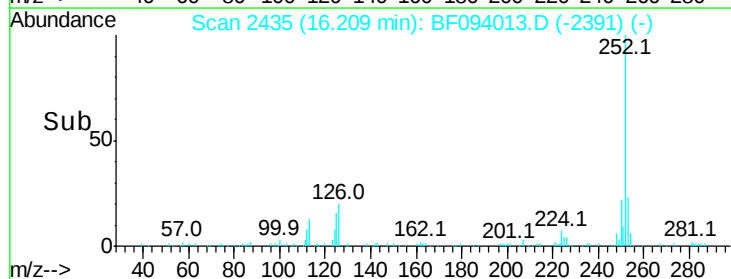
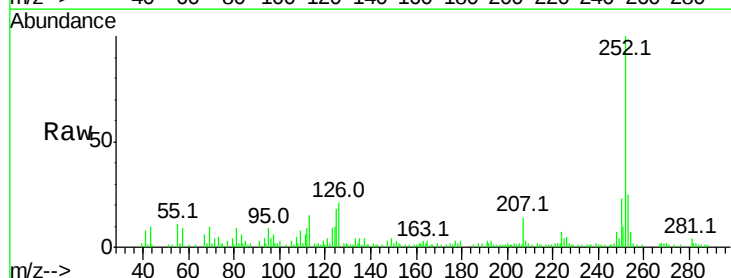
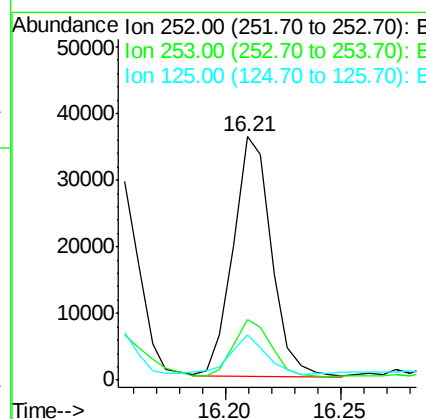
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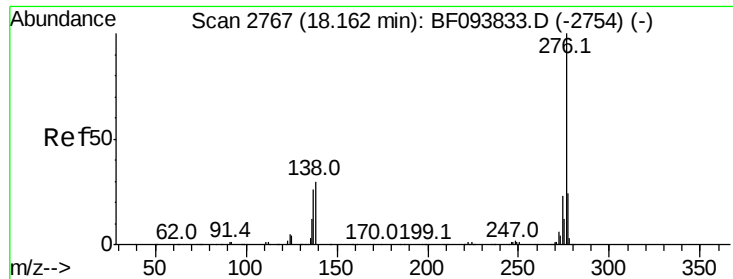
mohammad
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#89
Benzo(a)pyrene
Concen: 2.69 ng
RT: 16.21 min Scan# 2435
Delta R.T. -0.04 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	18.4	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.57 ng
 RT: 18.02 min Scan# 2743
 Delta R.T. -0.08 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-S13-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	31.4	25.4	38.0

Manual Integrations
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