

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094637.D
 Acq On : 26 Apr 2017 6:52
 Operator : SJ/MA
 Sample : I2824-04 10X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-W10-ESW

Manual Integrations
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Quant Time: Apr 26 13:53:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	109354	20.00	ng	-0.01
21) Naphthalene-d8	7.24	136	425160	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	171273	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	262357	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	234535	20.00	ng	-0.01
86) Perylene-d12	16.08	264	159431	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	67916	10.30	ng	0.00
7) Phenol-d6	5.37	99	86719	11.16	ng	-0.02
23) Nitrobenzene-d5	6.40	82	46756	6.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	11414	8.52	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	101465	8.72	ng	-0.02
78) Terphenyl-d14	13.18	244	67840	7.73	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	11.23	178	58369	3.95	ng	96
71) Anthracene	11.30	178	34666	2.27	ng	99
74) Fluoranthene	12.70	202	188618	12.32	ng	99
77) Pyrene	12.97	202	169927	10.37	ng	97
80) Benzo(a)anthracene	14.44	228	77985m	5.72	ng	
82) Chrysene	14.48	228	84728m	6.80	ng	
85) Indeno(1,2,3-cd)pyrene	17.36	276	28107	2.37	ng	96
87) Benzo(b)fluoranthene	15.68	252	98361m	10.09	ng	
88) Benzo(k)fluoranthene	15.71	252	29623m	3.21	ng	
89) Benzo(a)pyrene	16.02	252	46141	5.09	ng	# 94
91) Benzo(g,h,i)perylene	17.73	276	31180	4.06	ng	95

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

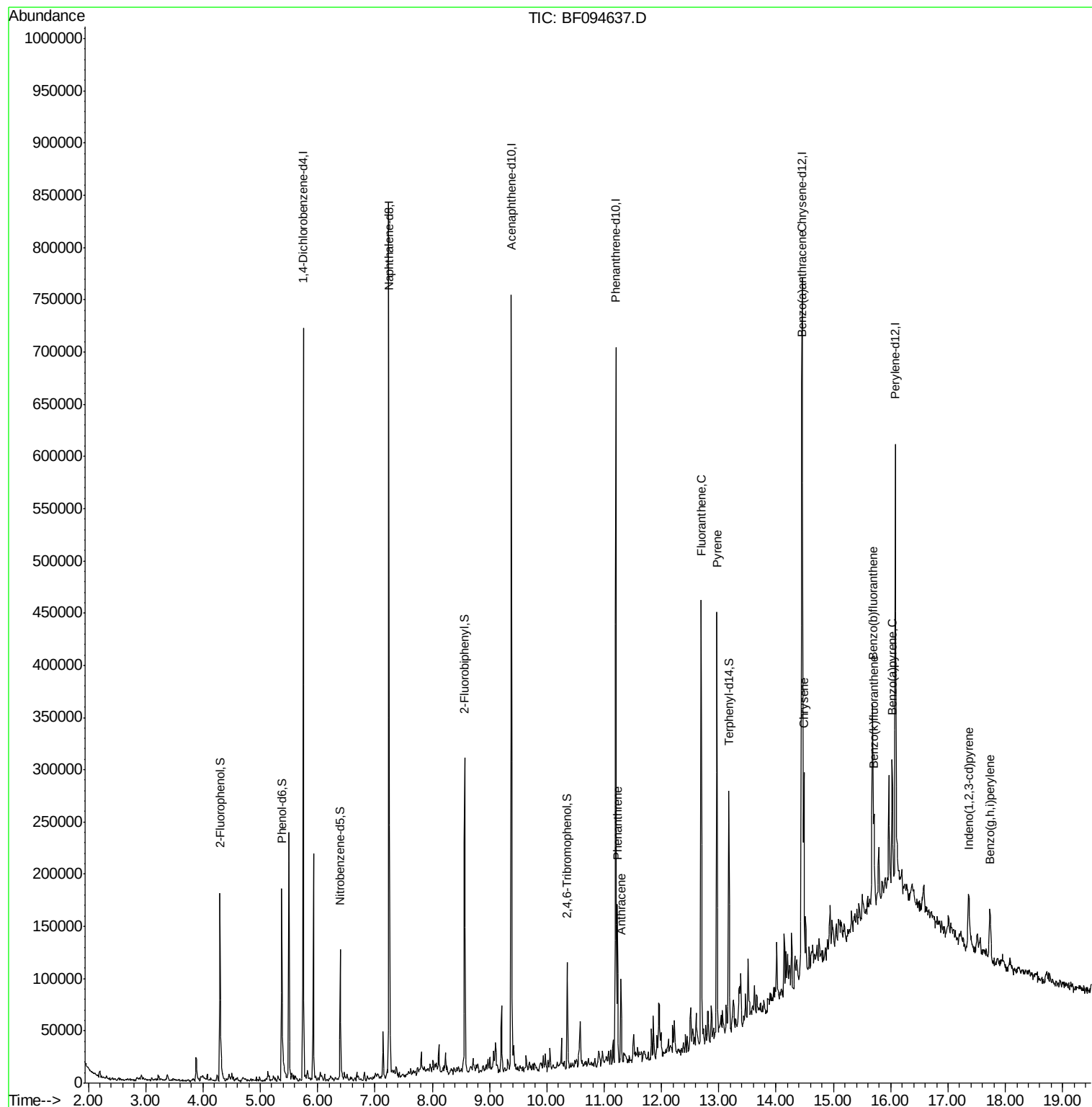
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094637.D
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Sample : I2824-04 10X
Misc :
ALS Vial : 40 Sample Multiplier: 1

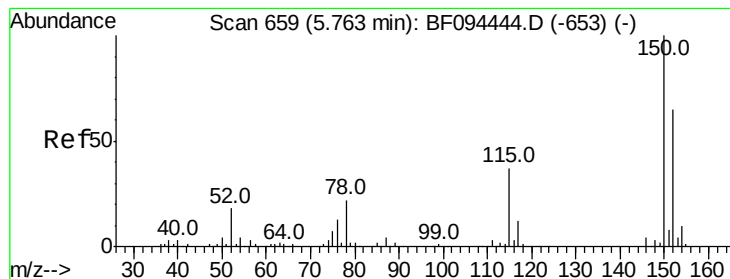
Instrument :
BNA_F
ClientSampleId :
E2-W10-ESW

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Quant Time: Apr 26 13:53:36 2017
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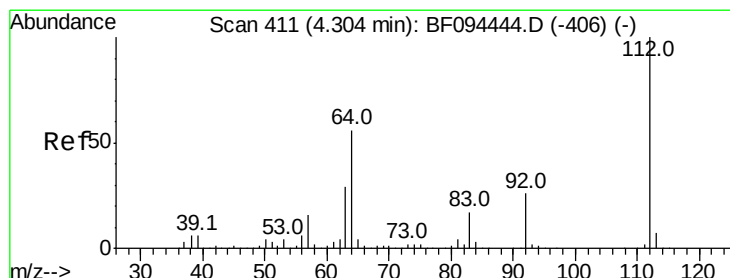
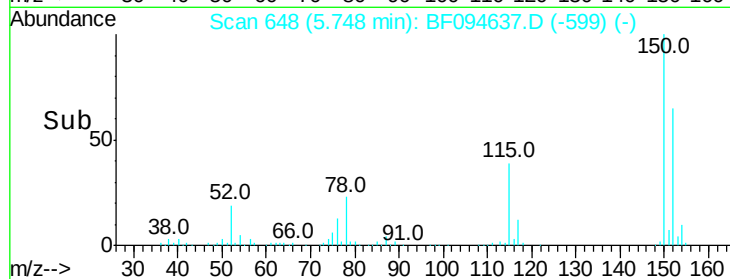
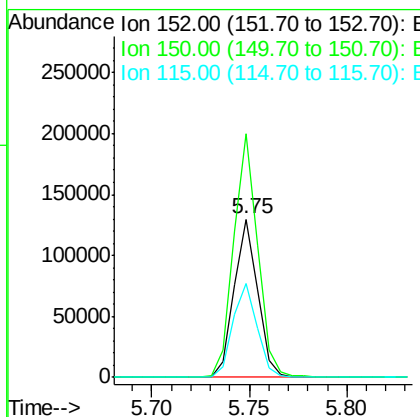
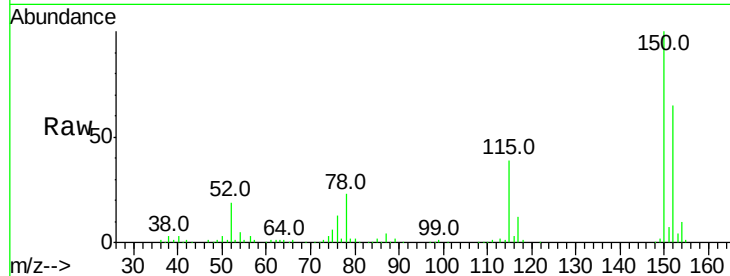
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.75 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF094637.D
 Acq: 26 Apr 2017 6:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-W10-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.2	189.2
115	59.3	52.2	78.2

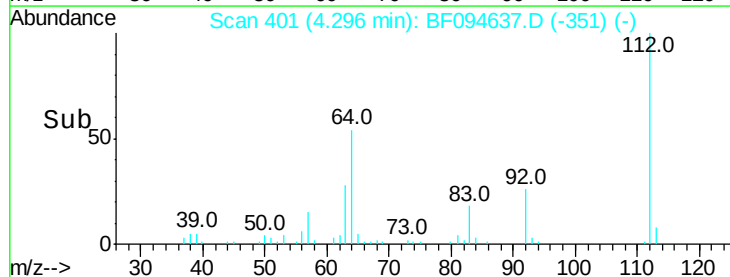
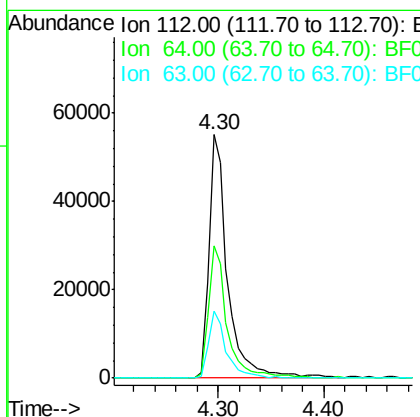
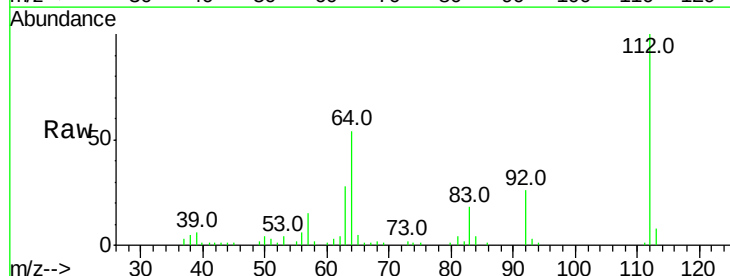
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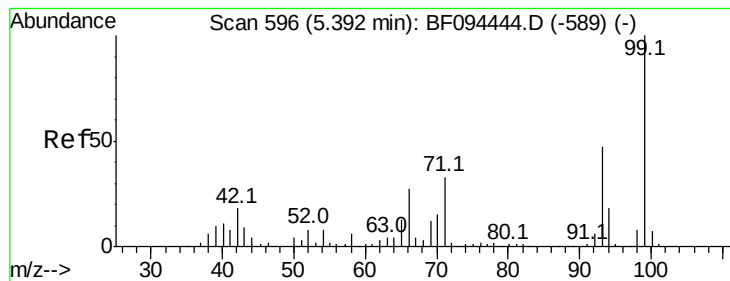
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#5
 2-Fluorophenol
 Concen: 10.30 ng
 RT: 4.30 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: BF094637.D
 Acq: 26 Apr 2017 6:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	27.7	23.4	35.0





#7

Phenol-d6

Concen: 11.16 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094637.D

Acq: 26 Apr 2017 6:52

Instrument :

BNA_F

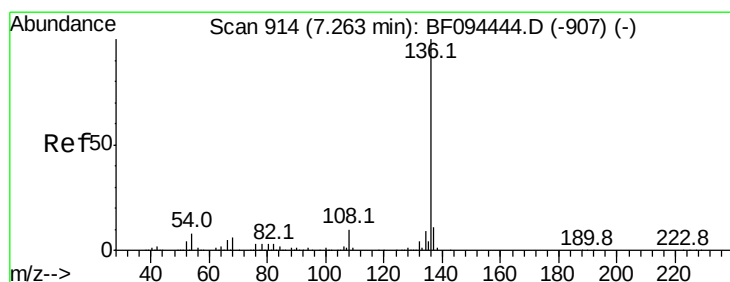
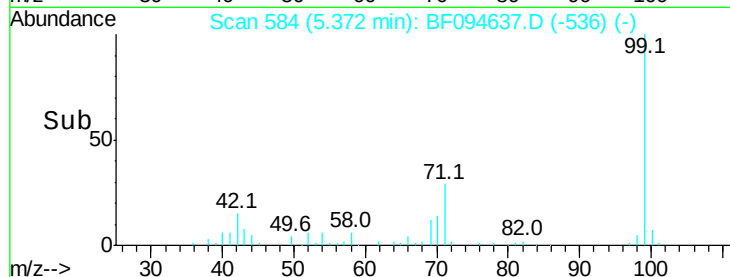
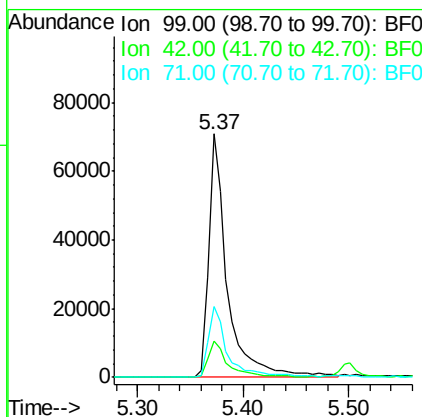
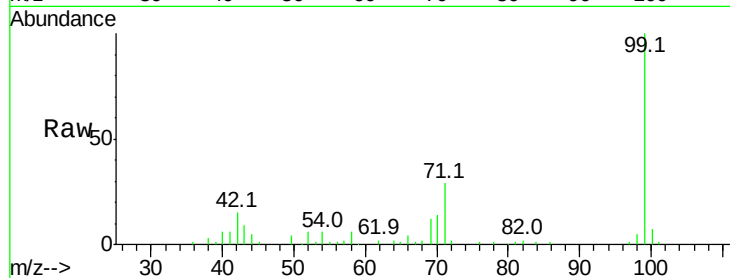
ClientSampleId :

E2-W10-ESW

Tot Ion:	99	Resp:	86719
Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.5	20.3
71	29.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

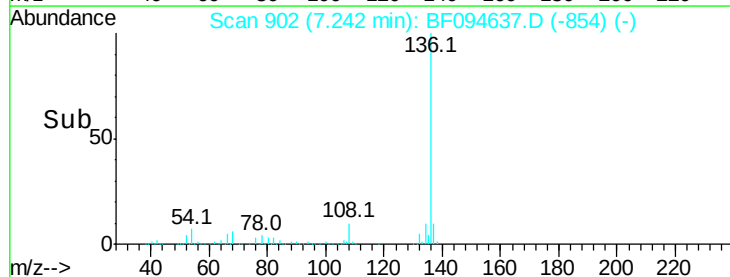
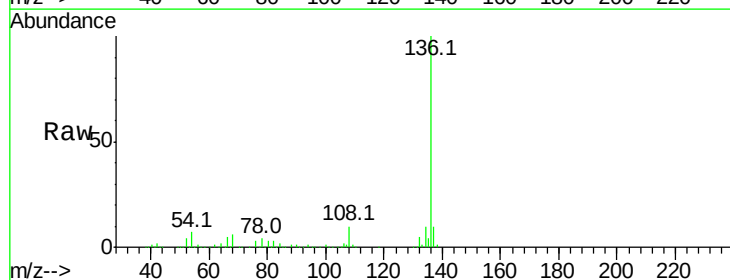
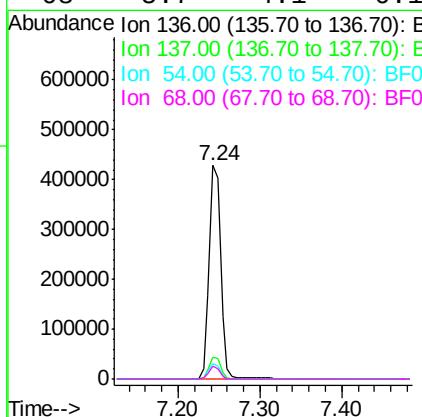
RT: 7.24 min Scan# 902

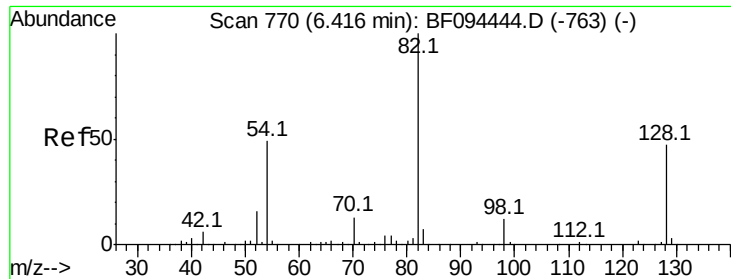
Delta R.T. -0.02 min

Lab File: BF094637.D

Acq: 26 Apr 2017 6:52

Tgt Ion:	136	Resp:	425160
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	7.3	4.9	7.3
68	5.7	4.1	6.1





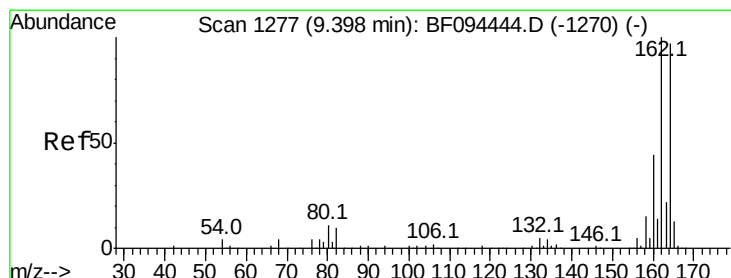
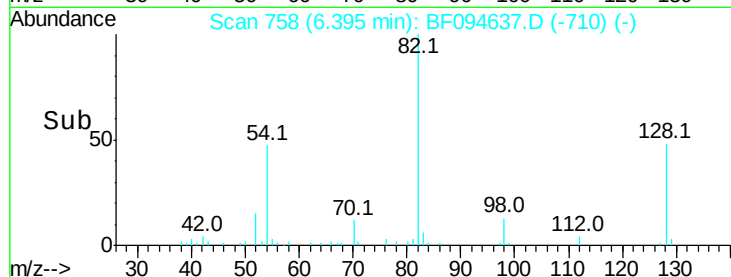
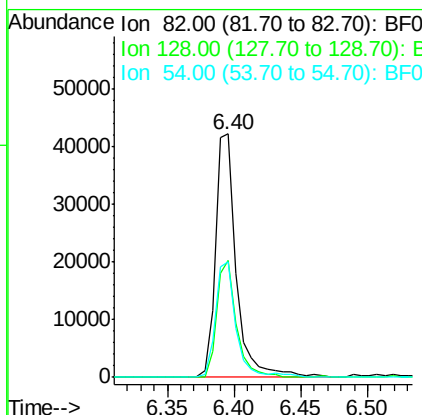
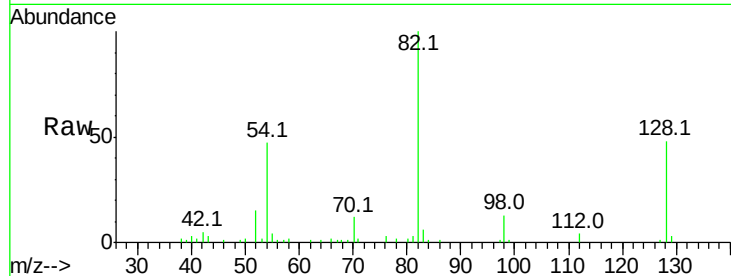
#23
 Nitrobenzene-d5
 Concen: 6.79 ng
 RT: 6.40 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: BF094637.D
 Acq: 26 Apr 2017 6:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-W10-ESW

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.0	51.0
54	47.3	42.2	63.2

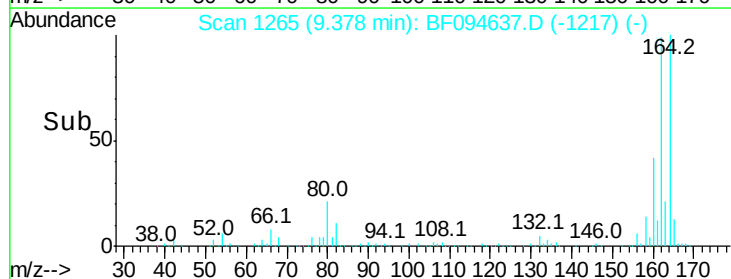
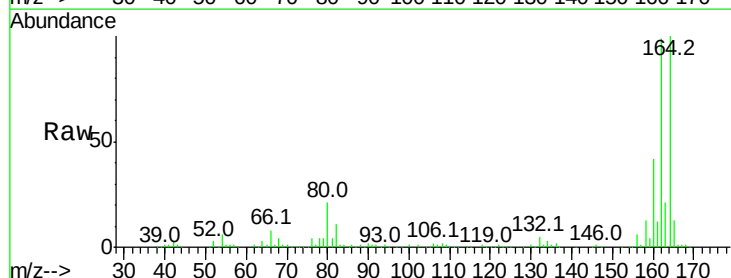
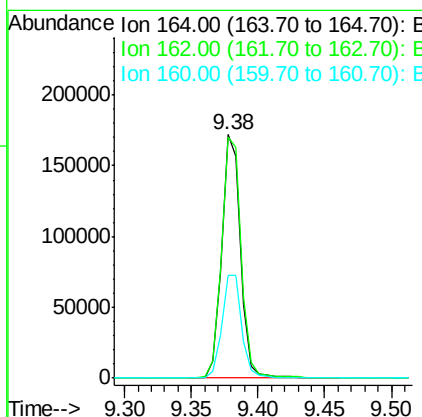
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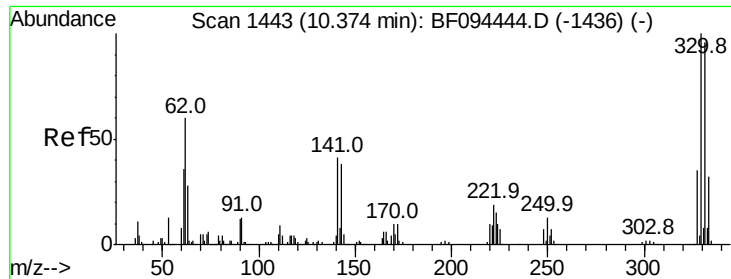
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094637.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	82.6	123.8
160	42.1	36.2	54.2





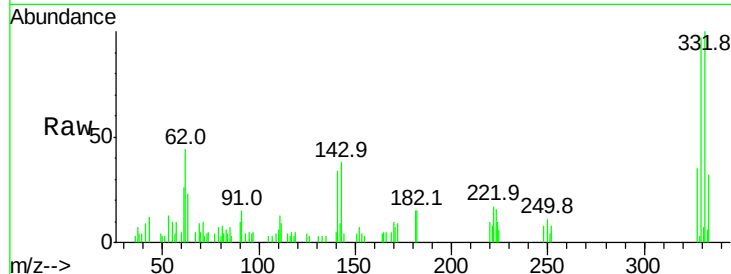
#41
 2,4,6-Tribromophenol
 Concen: 8.52 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094637.D
 Acq: 26 Apr 2017 6:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-W10-ESW

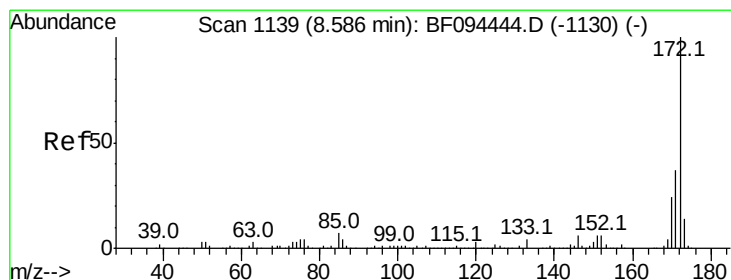
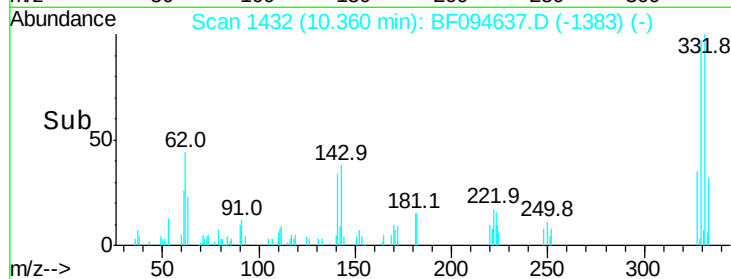
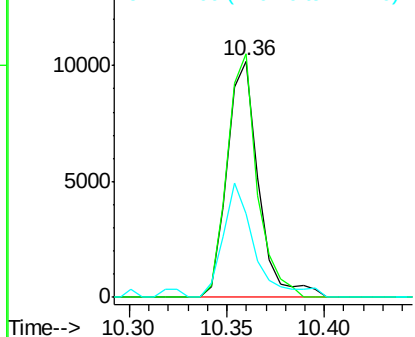
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.8	76.6	115.0	
141	48.5	31.4	47.2	

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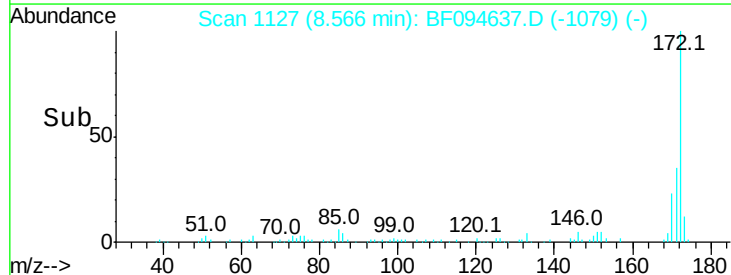
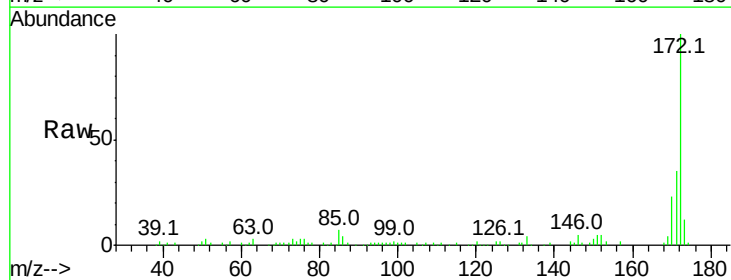
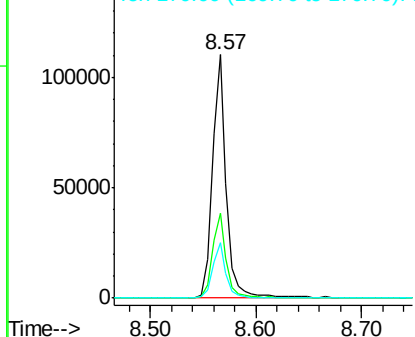
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

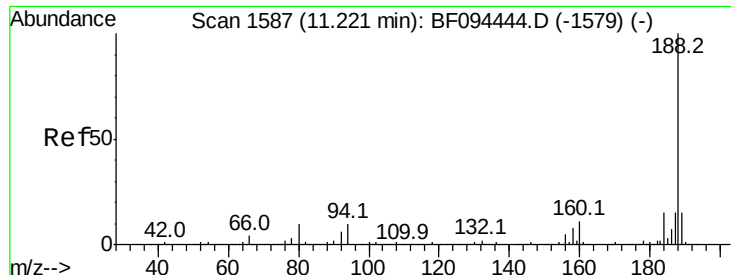


#44
 2-Fluorobiphenyl
 Concen: 8.72 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094637.D
 Acq: 26 Apr 2017 6:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.6	44.4	
170	22.9	19.8	29.8	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF094637.D

Acq: 26 Apr 2017 6:52

Instrument :

BNA_F

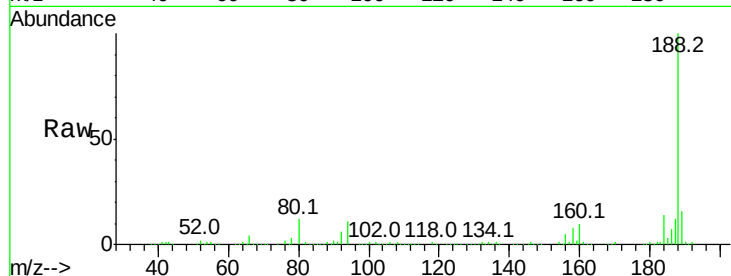
ClientSampleId :

E2-W10-ESW

Tot Ion:	188	Resp:	262357
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.4	14.2
80	11.7	10.2	15.2

Manual Integrations
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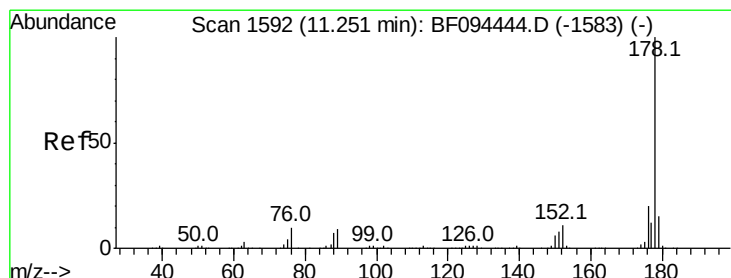
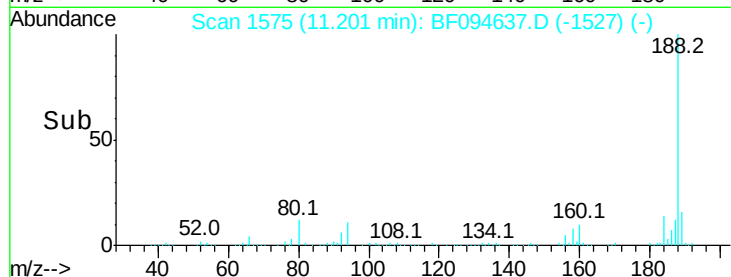
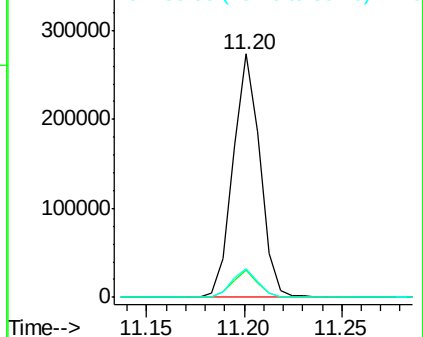
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 3.95 ng

RT: 11.23 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF094637.D

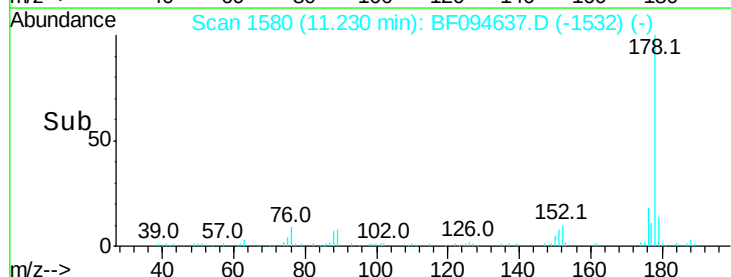
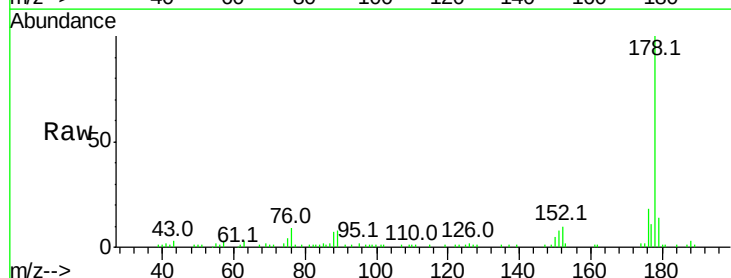
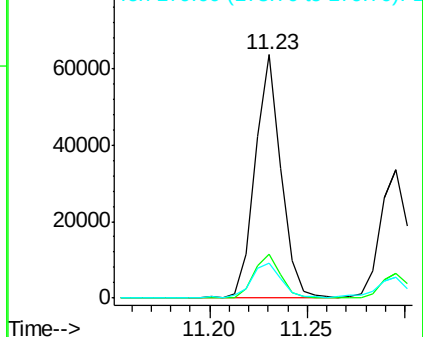
Acq: 26 Apr 2017 6:52

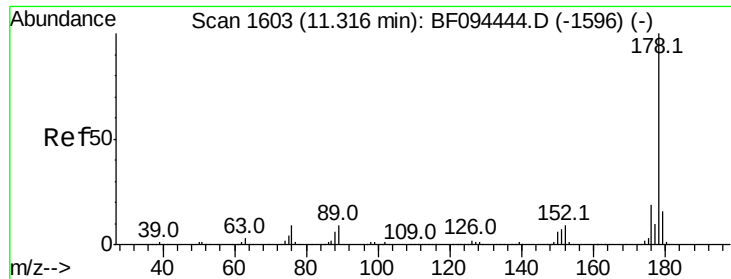
Tgt Ion:	178	Resp:	58369
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.2	24.4
179	14.3	12.6	19.0

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





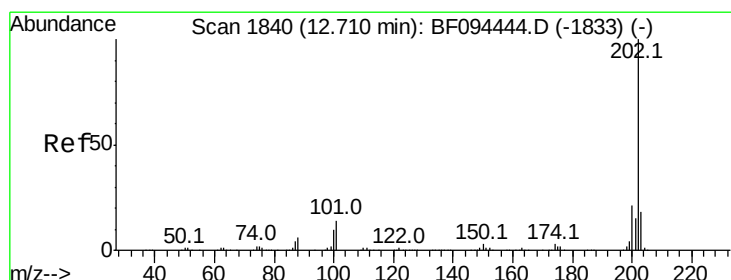
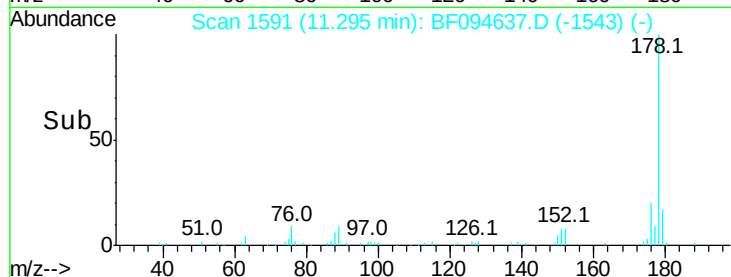
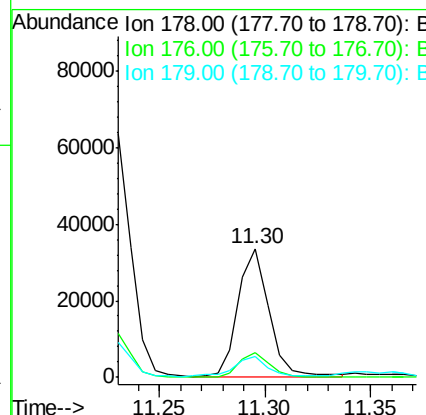
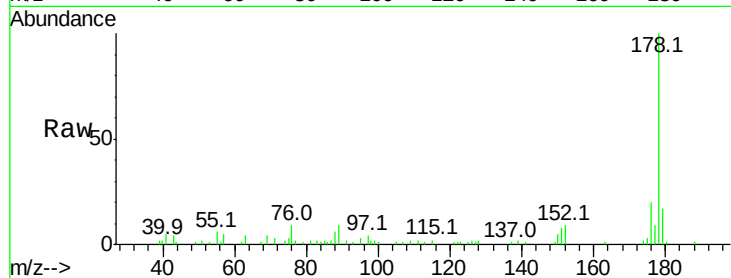
#71
 Anthracene
 Concen: 2.27 ng
 RT: 11.30 min Scan# 1591
 Delta R.T. -0.02 min
 Lab File: BF094637.D
 Acq: 26 Apr 2017 6:52

Instrument :
 BNA_F
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 E2-W10-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.6	12.7	19.1

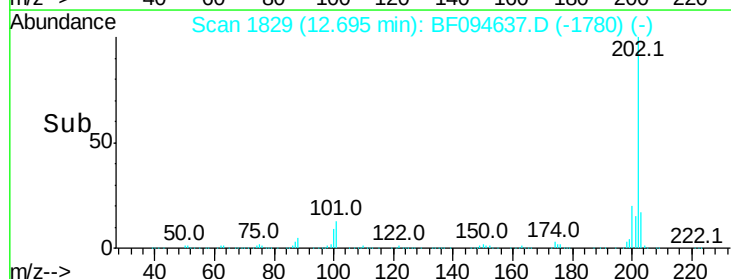
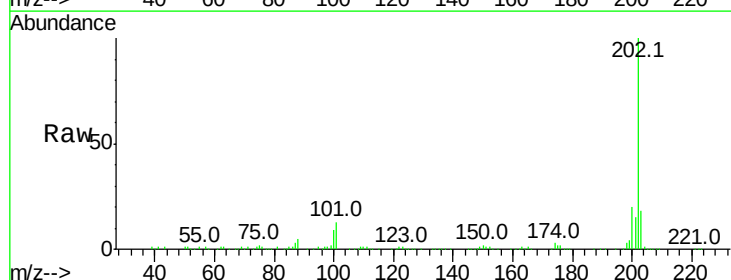
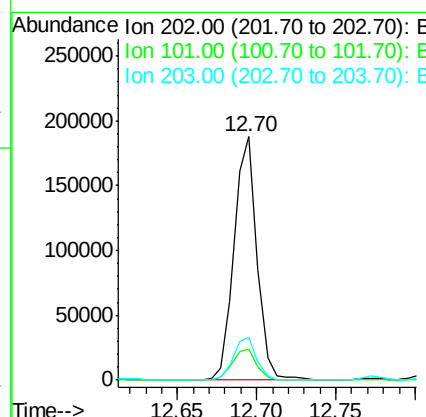
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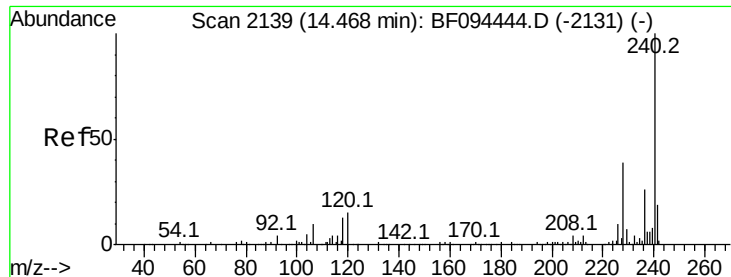
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#74
 Fluoranthene
 Concen: 12.32 ng
 RT: 12.70 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF094637.D
 Acq: 26 Apr 2017 6:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.6	0.0	38.1





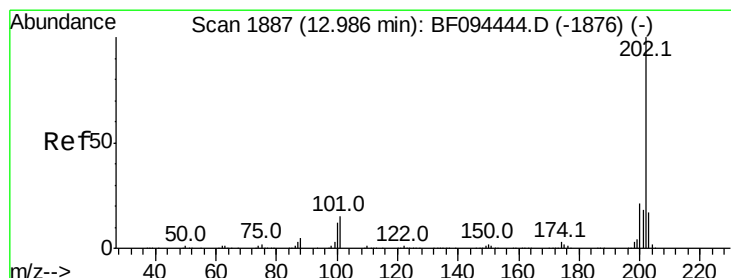
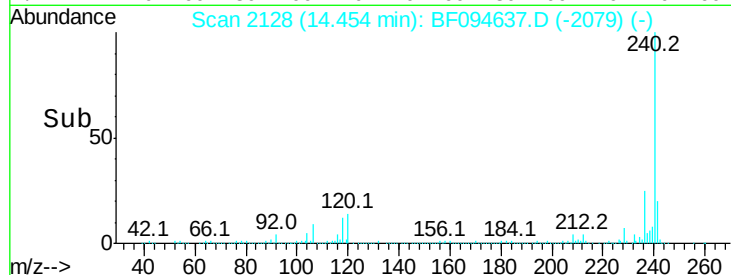
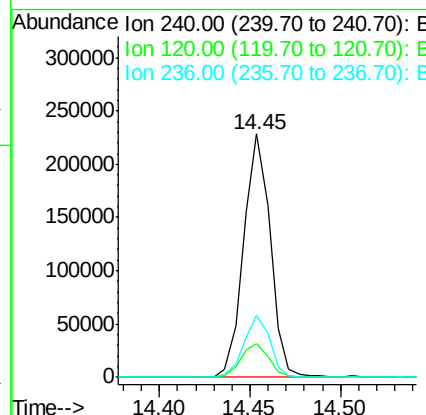
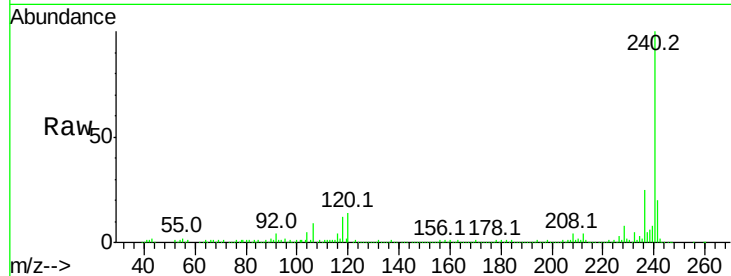
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.45 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BF094637.D
 Acq: 26 Apr 2017 6:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-W10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.9	5.8	8.8#	
236	25.2	20.5	30.7	

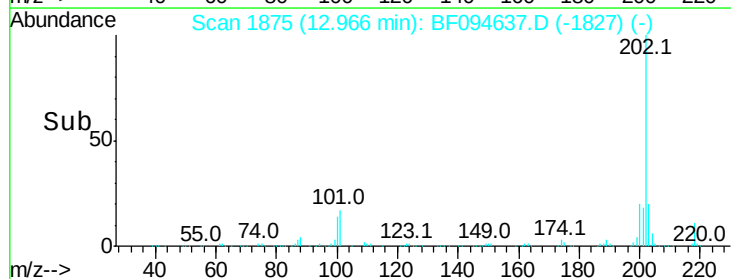
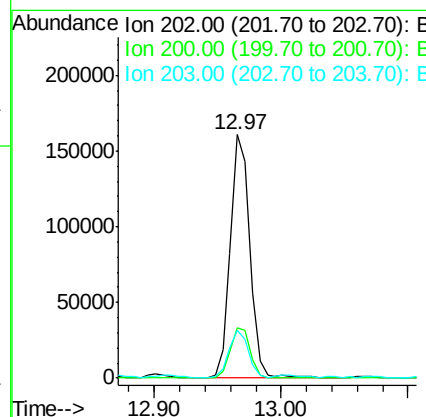
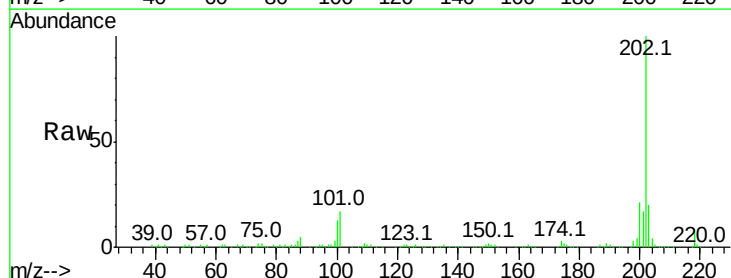
Manual Integrations
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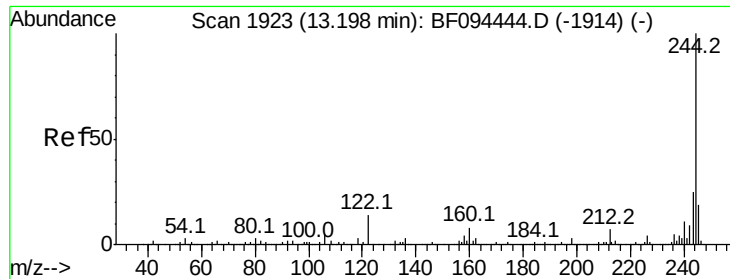
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#77
 Pyrene
 Concen: 10.37 ng
 RT: 12.97 min Scan# 1875
 Delta R.T. -0.02 min
 Lab File: BF094637.D
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.7	17.6	26.4	
203	19.6	14.4	21.6	





#78

Terphenyl-d14

Concen: 7.73 ng

RT: 13.18 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094637.D

Acq: 26 Apr 2017 6:52

Instrument :

BNA_F

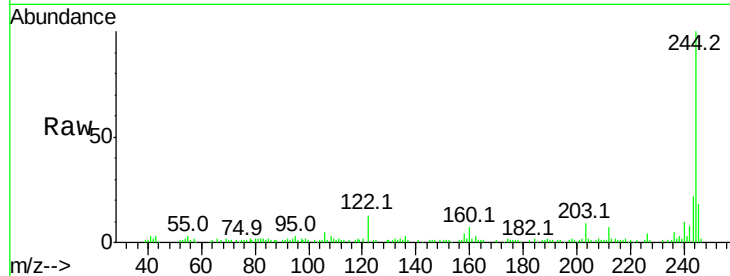
ClientSampleId :

E2-W10-ESW

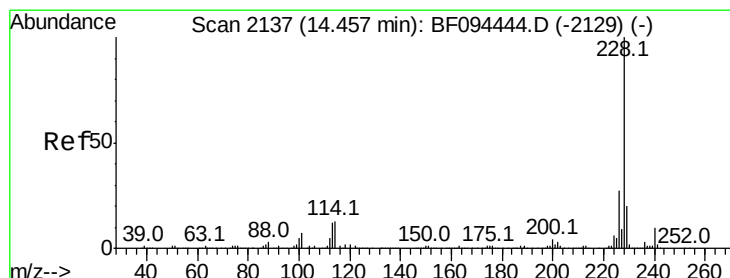
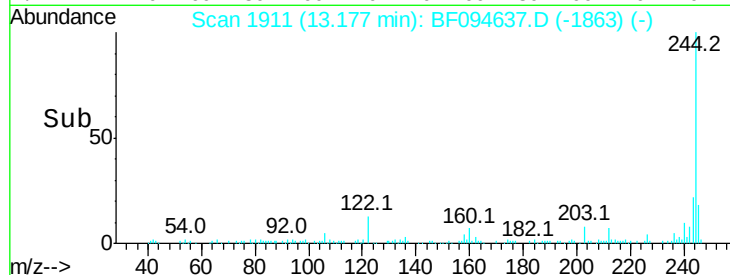
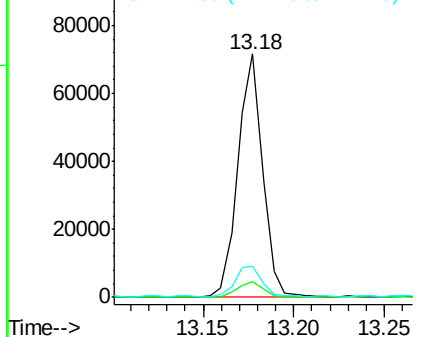
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	12.7	10.3	15.5

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



#80

Benzo(a)anthracene

Concen: 5.72 ng m

RT: 14.44 min Scan# 2126

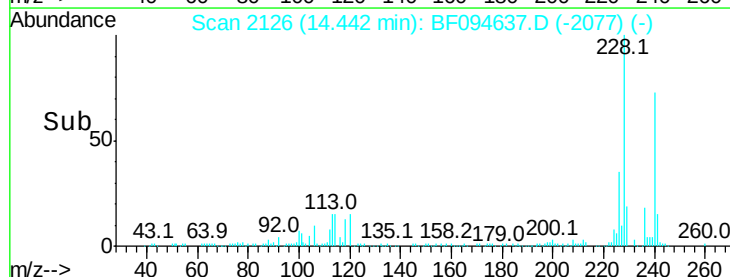
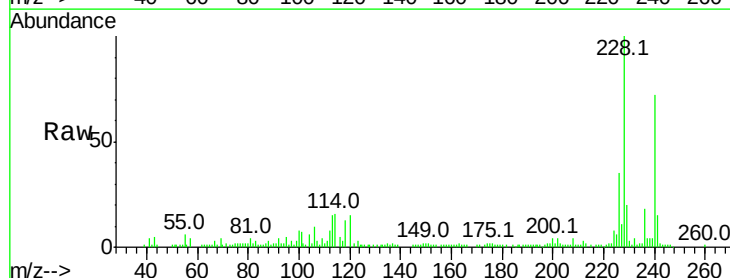
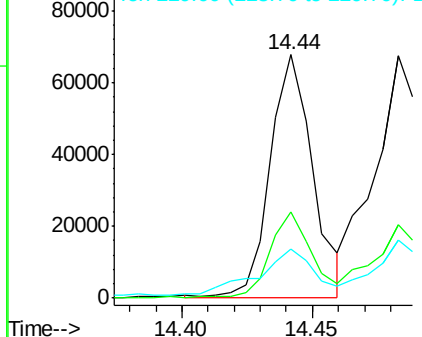
Delta R.T. -0.01 min

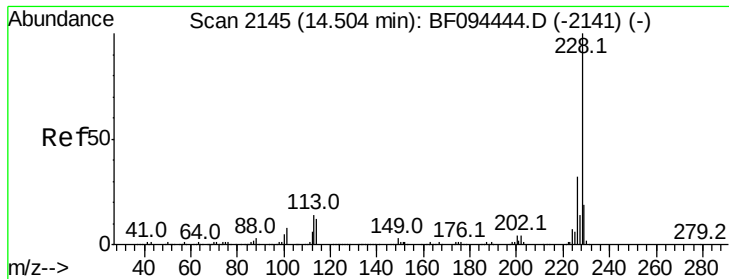
Lab File: BF094637.D

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Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.4	22.6	33.8#
229	20.0	16.3	24.5

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





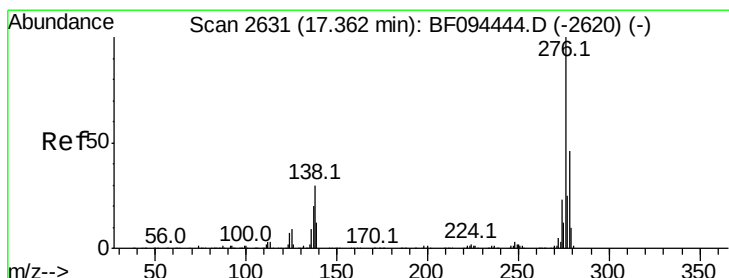
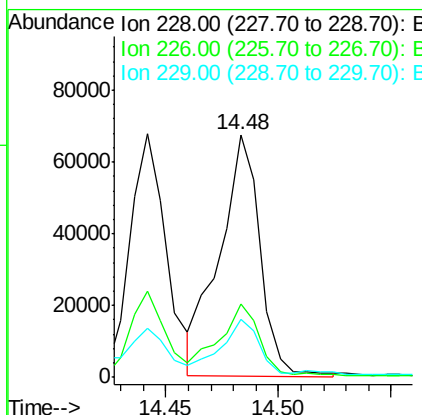
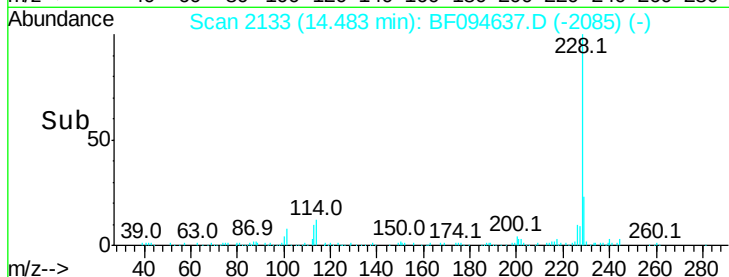
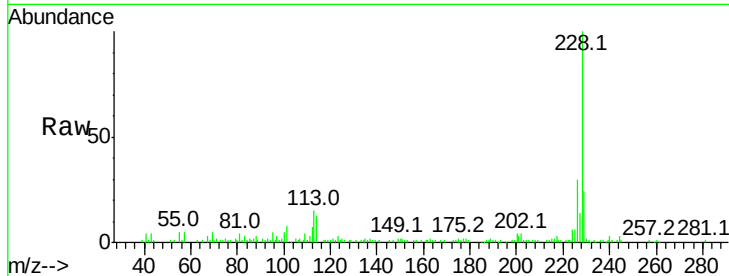
#82
Chrysene
Concen: 6.80 ng/ml
RT: 14.48 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF094637.D
Acq: 26 Apr 2017 6:52

Instrument :
BNA_F
ClientSampleId :
E2-W10-ESW

Tot Ion:	228	Resp:	84728
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	23.7	15.8	23.6

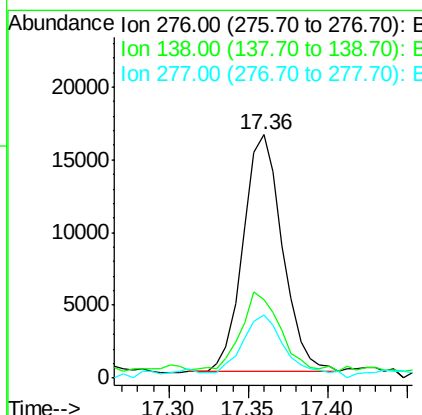
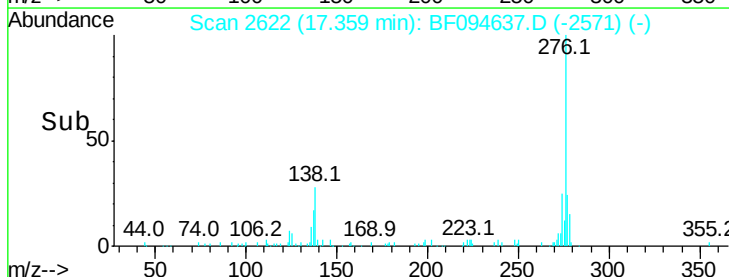
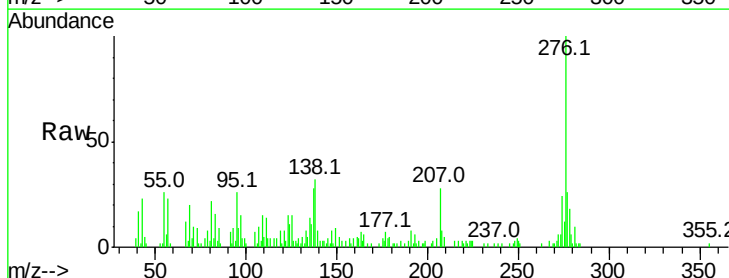
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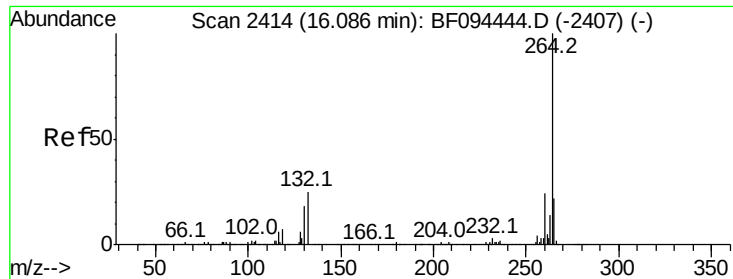
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.37 ng
RT: 17.36 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF094637.D
Acq: 26 Apr 2017 6:52

Tgt Ion:	276	Resp:	28107
Ion Ratio	Lower	Upper	
276	100		
138	34.3	27.8	41.6
277	30.0	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BF094637.D

Acq: 26 Apr 2017 6:52

Instrument :

BNA_F

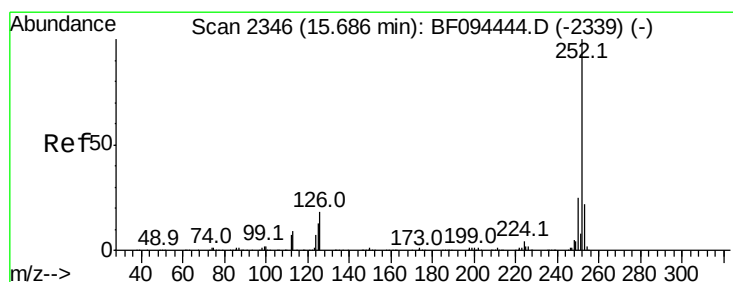
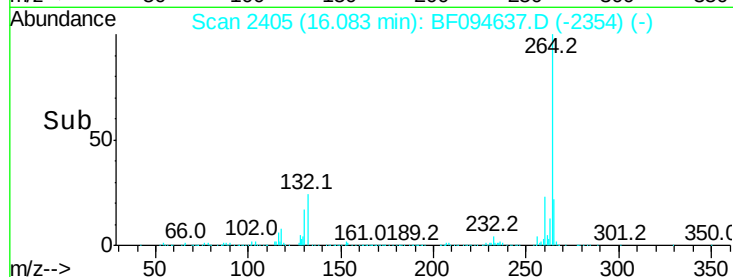
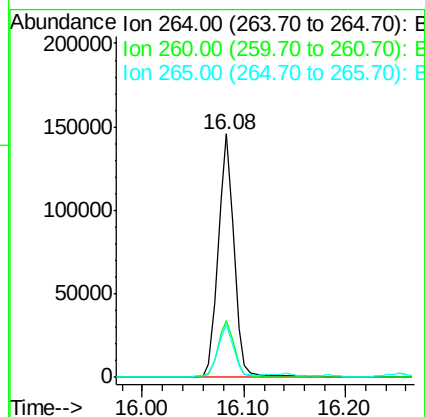
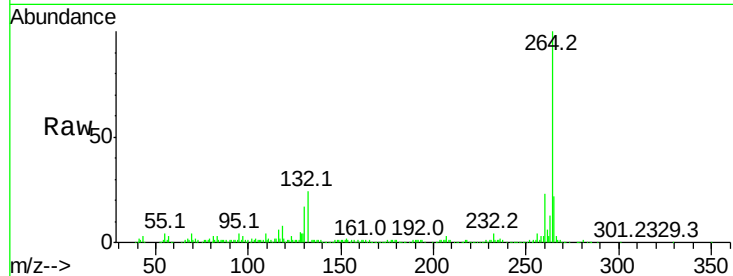
ClientSampleId :

E2-W10-ESW

Tot Ion:	264	Resp:	159431
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.5	29.3
265	21.6	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 10.09 ng m

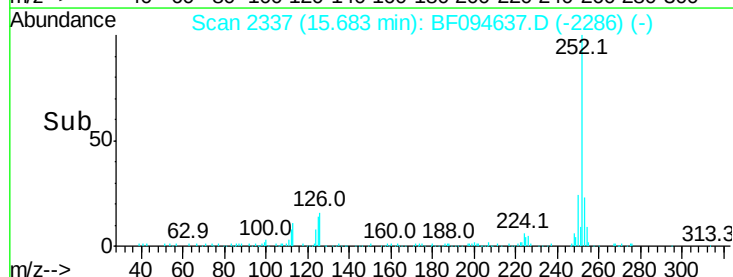
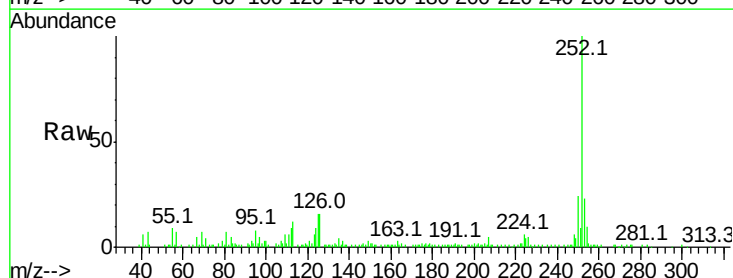
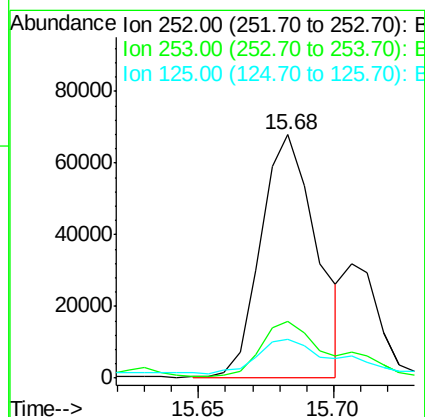
RT: 15.68 min Scan# 2337

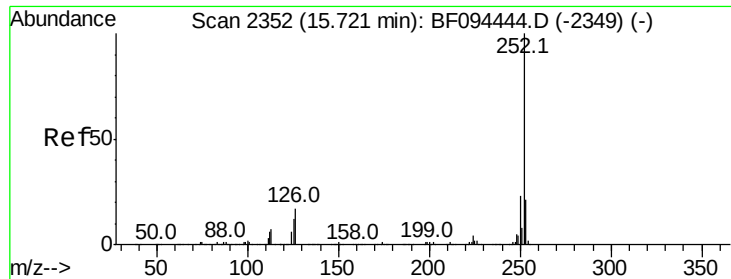
Delta R.T. -0.00 min

Lab File: BF094637.D

Acq: 26 Apr 2017 6:52

Tgt Ion:	252	Resp:	98361
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	15.7	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 3.21 ng m

RT: 15.71 min Scan# 2341

Delta R.T. -0.01 min

Lab File: BF094637.D

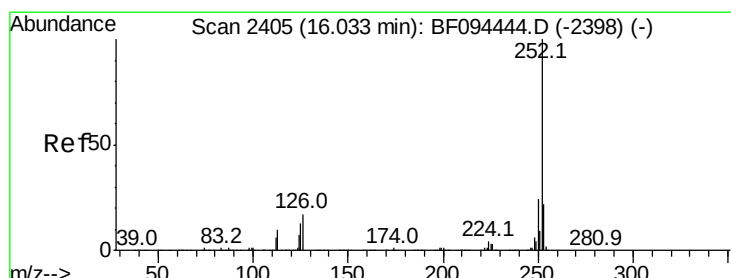
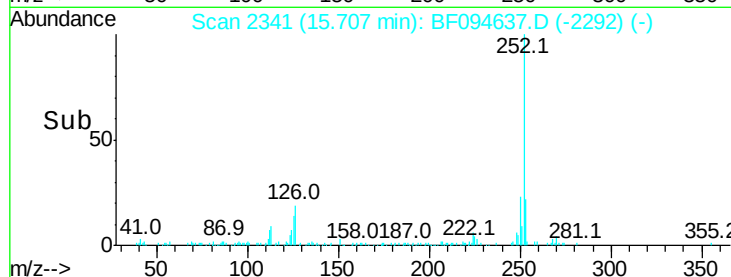
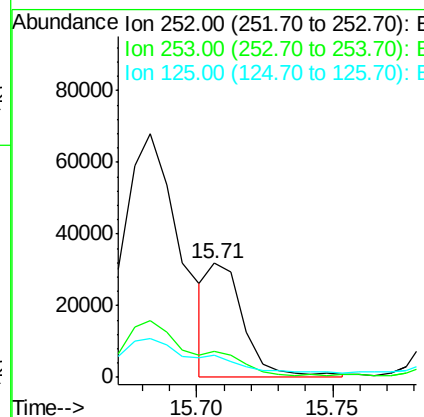
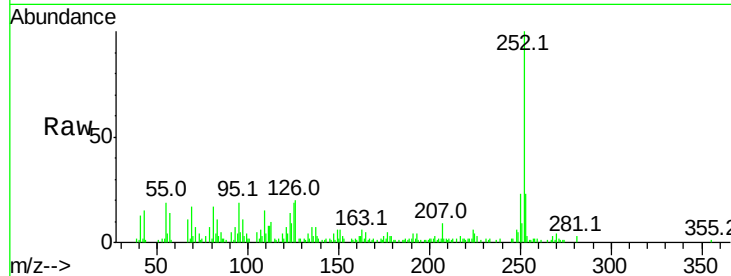
Acq: 26 Apr 2017 6:52

Instrument :
BNA_F
ClientSampleId :
E2-W10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	19.1	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 5.09 ng

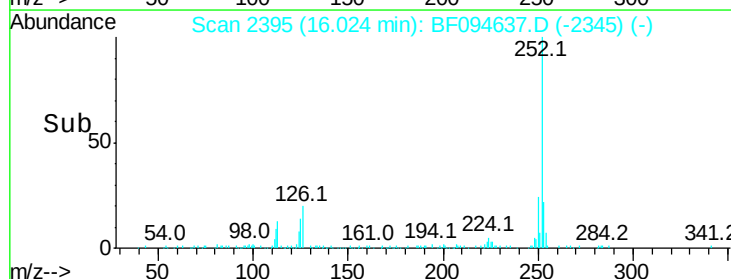
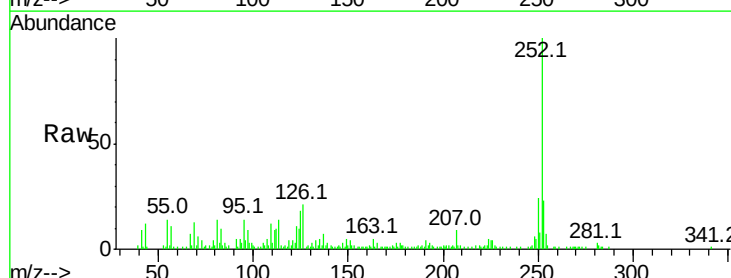
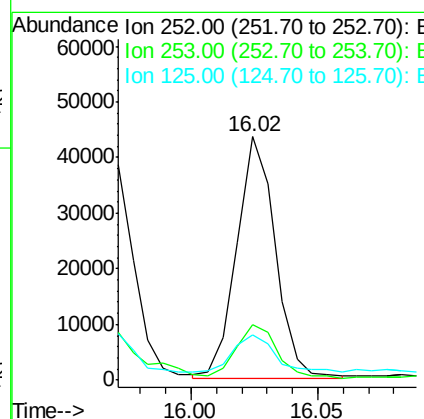
RT: 16.02 min Scan# 2395

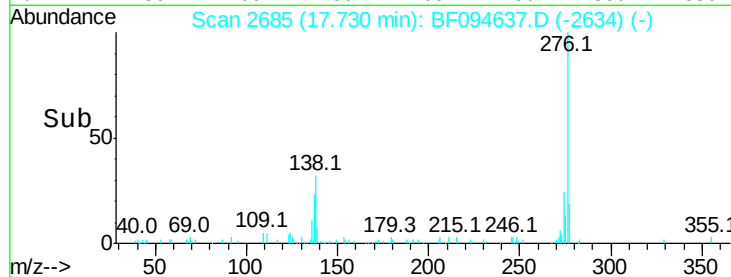
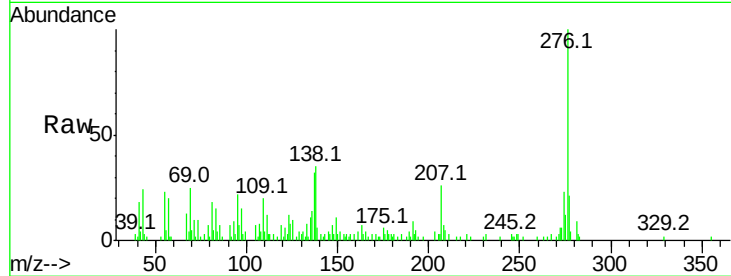
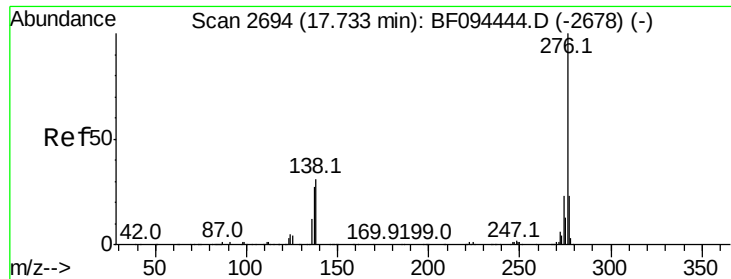
Delta R.T. -0.01 min

Lab File: BF094637.D

Acq: 26 Apr 2017 6:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	18.4	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 4.06 ng

RT: 17.73 min Scan# 2685

Delta R.T. -0.00 min

Lab File: BF094637.D

Acq: 26 Apr 2017 6:52

Instrument :

BNA_F

ClientSampleId :

E2-W10-ESW

Tot Ion:	276	Resp:	31180
Ion Ratio	Lower	Upper	
276	100		
277	20.9	18.6	28.0
138	34.8	25.4	38.0

Manual Integrations
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