

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094500.D
 Acq On : 18 Apr 2017 21:37
 Operator : SJ/MA
 Sample : I2708-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Y10-ESW

Manual Integrations
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 4/19/2017 1:33:35 PM

Quant Time: Apr 19 02:47:54 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	5.77	152	123643	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	499573	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	201325	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	383605	20.00	ng	0.00
75) Chrysene-d12	14.46	240	288262	20.00	ng	0.00
86) Perylene-d12	16.09	264	277878	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	749535	100.57	ng	0.02
7) Phenol-d6	5.40	99	940329	107.03	ng	0.00
23) Nitrobenzene-d5	6.42	82	574000	70.95	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	179913	114.25	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1034090	75.57	ng	0.00
78) Terphenyl-d14	13.19	244	779937	72.32	ng	0.00
Target Compounds						
10) Phenol	5.41	94	23318	2.16	ng	Qvalue 97
20) 3+4-Methylphenols	6.27	107	35414	3.90	ng	# 61
31) Naphthalene	7.29	128	64477	2.68	ng	98
37) 2-Methylnaphthalene	8.13	142	50369	3.07	ng	97
49) Dimethylphthalate	9.09	163	375375	25.02	ng	98
70) Phenanthrene	11.24	178	66730	3.09	ng	99
74) Fluoranthene	12.71	202	53722	2.40	ng	98
77) Pyrene	12.98	202	57782	2.87	ng	98
80) Benzo(a)anthracene	14.45	228	35253	2.10	ng	# 89
82) Chrysene	14.49	228	44105m	2.88	ng	
85) Indeno(1,2,3-cd)pyrene	17.35	276	37455	2.57	ng	92
87) Benzo(b)fluoranthene	15.68	252	77018m	4.53	ng	
89) Benzo(a)pyrene	16.02	252	46488	2.94	ng	# 96
91) Benzo(a,h,i)perylene	17.73	276	36620	2.74	ng	99

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

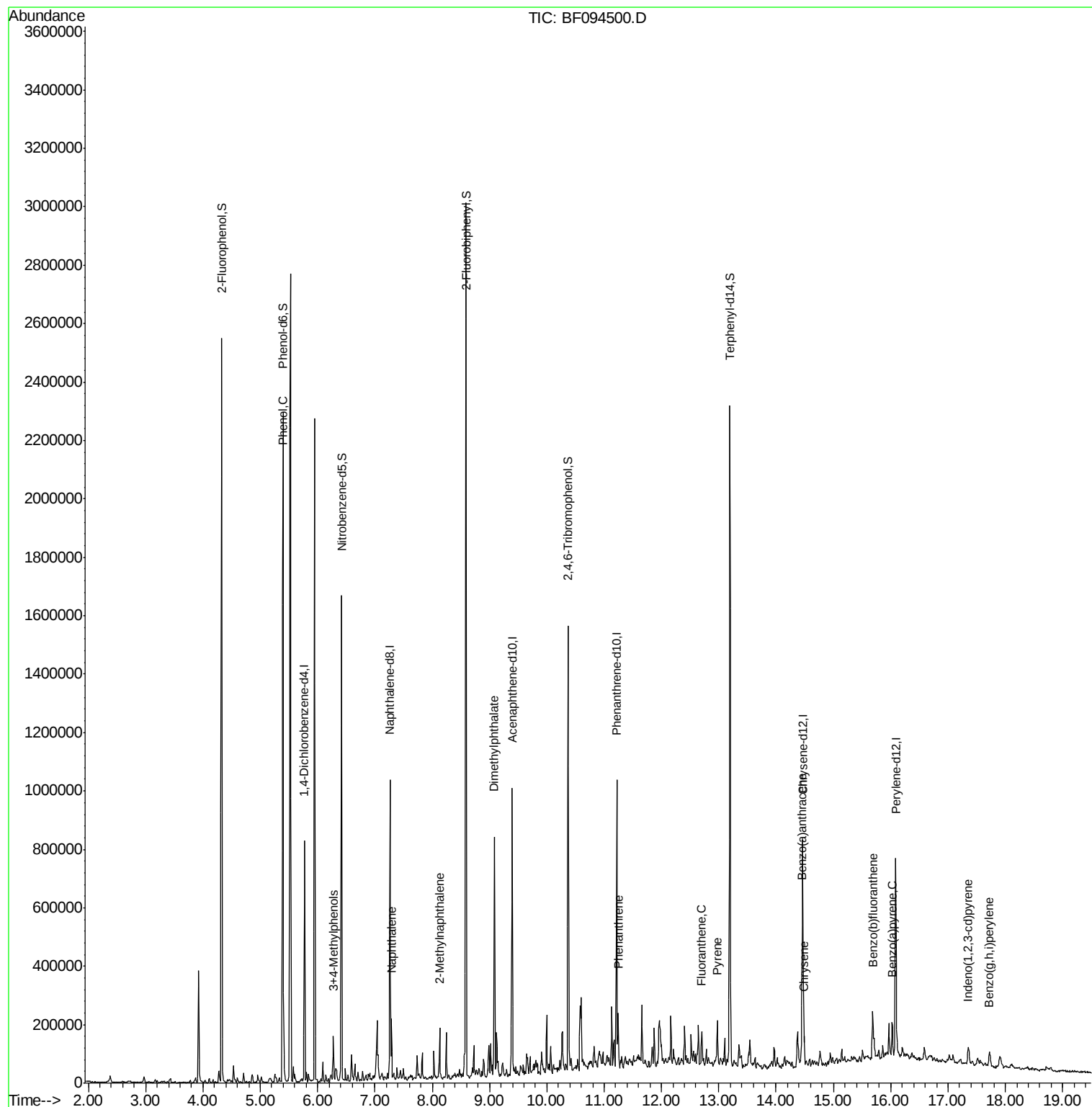
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094500.D
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ALS Vial : 12 Sample Multiplier: 1

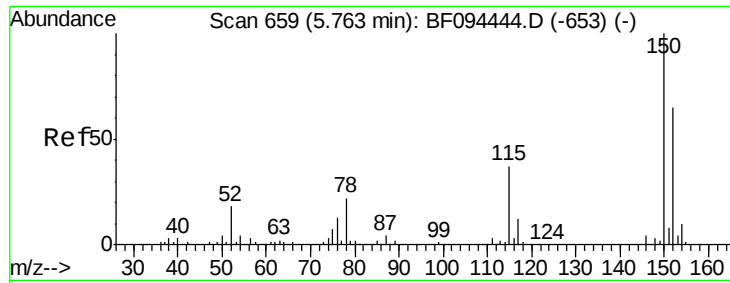
Instrument :
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#1

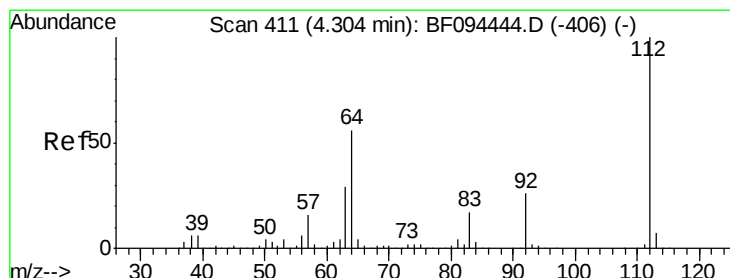
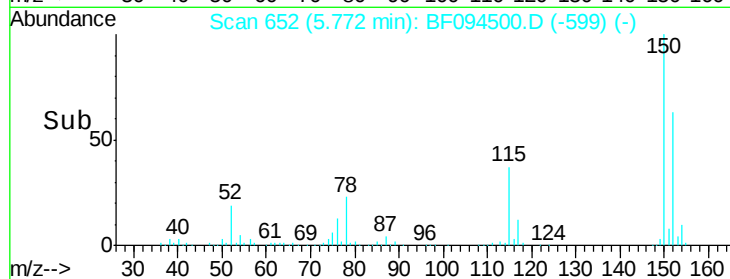
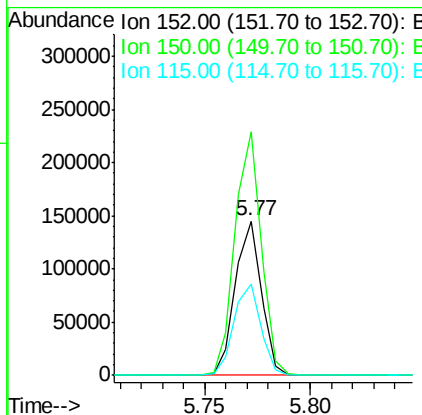
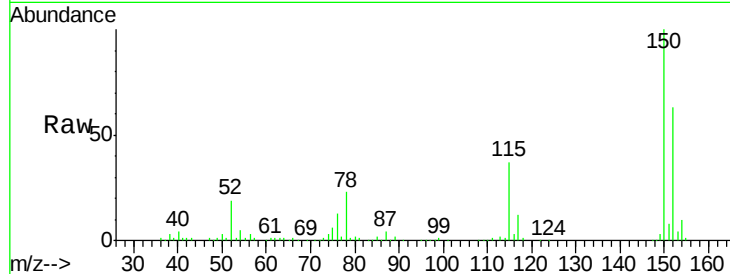
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Instrument :
BNA_F
ClientSampleId :
E2-Y10-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	59.0	52.2	78.2

Manual Integrations
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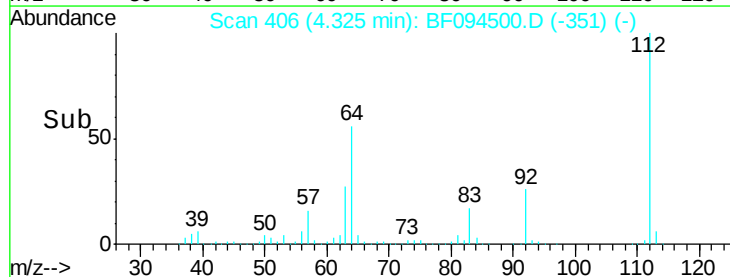
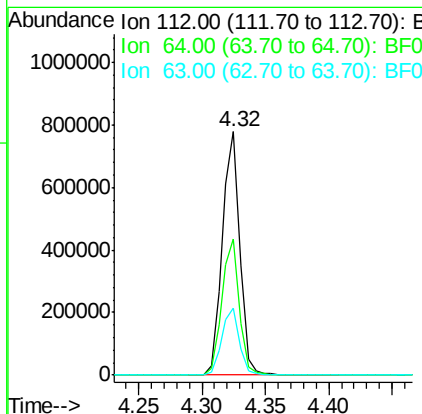
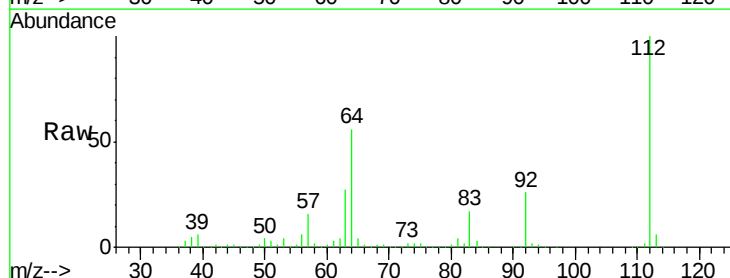
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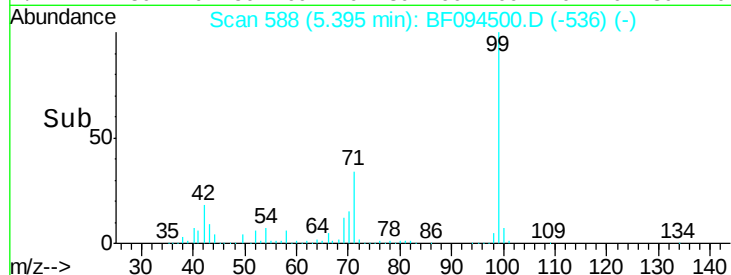
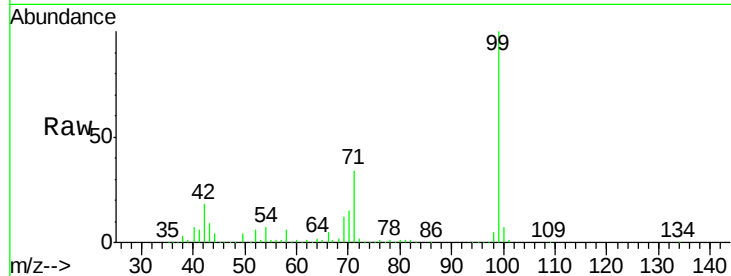
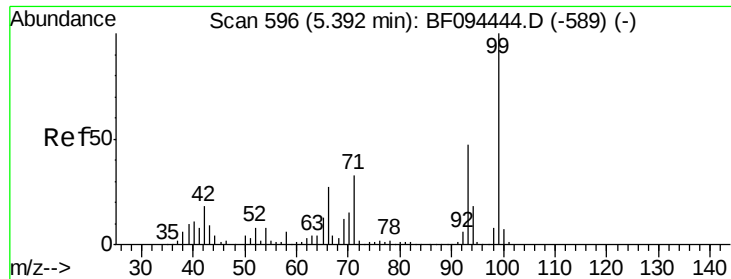


#5

2-Fluorophenol
Concen: 100.57 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.0	69.0
63	27.4	23.4	35.0





#7

Phenol-d6

Concen: 107.03 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

Tot Ion:	99	Resp:	940329
Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.5	20.3
71	33.5	24.5	36.7

Instrument :

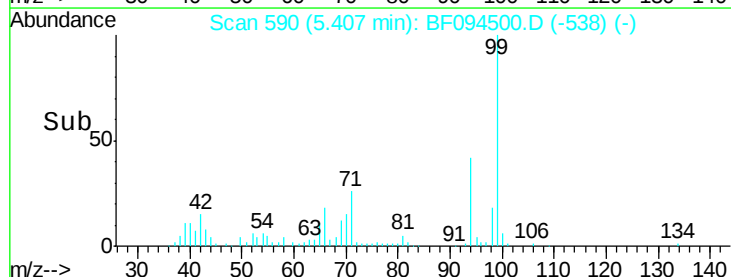
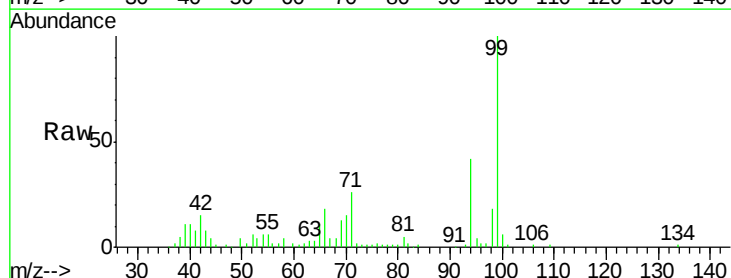
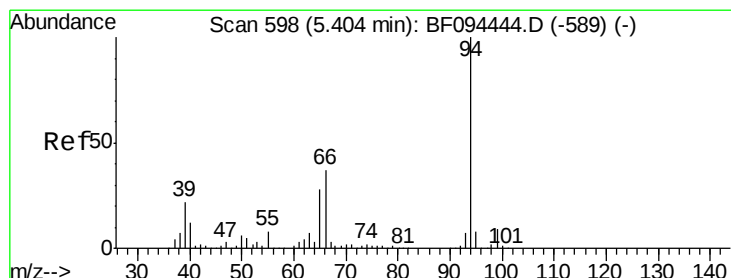
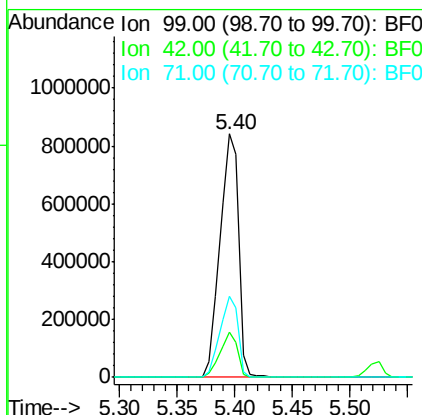
BNA_F

ClientSampleId :

E2-Y10-ESW

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#10

Phenol

Concen: 2.16 ng

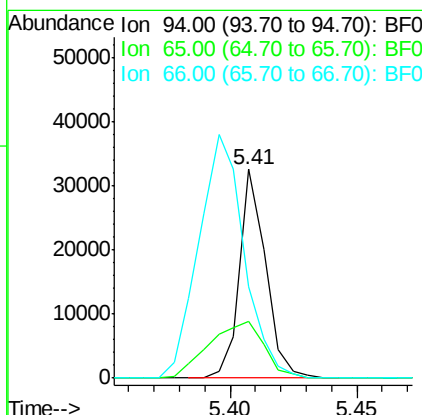
RT: 5.41 min Scan# 590

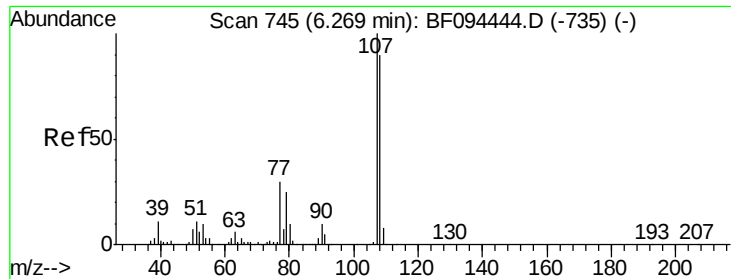
Delta R.T. 0.00 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

Tgt Ion:	94	Resp:	23318
Ion	Ratio	Lower	Upper
94	100		
65	27.0	9.9	49.9
66	43.6	23.1	63.1





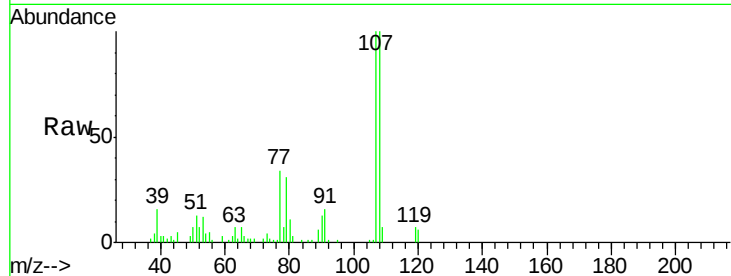
#20
3+4-Methylphenols
Concen: 3.90 ng
RT: 6.27 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Instrument :
BNA_F
ClientSampleId :
E2-Y10-ESW

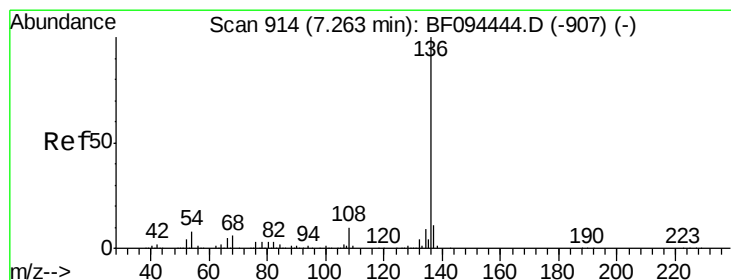
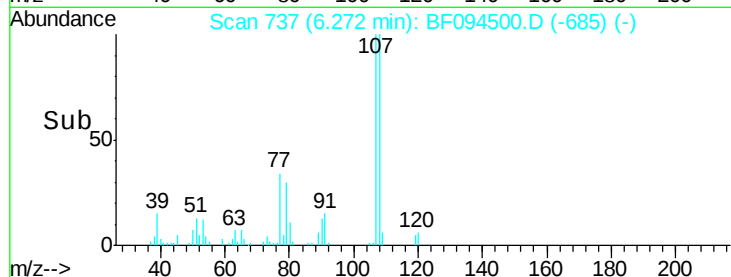
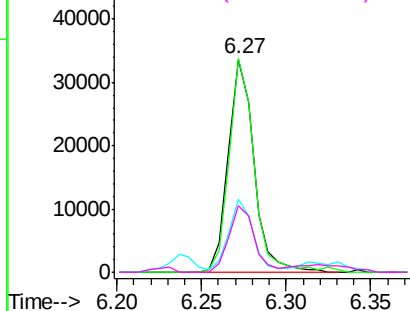
Tot Ion:	107	Resp:	35414
Ion Ratio	Lower	Upper	
107	100		
108	100.5	71.0	111.0
77	34.1	90.5	130.5#
79	31.1	8.4	48.4

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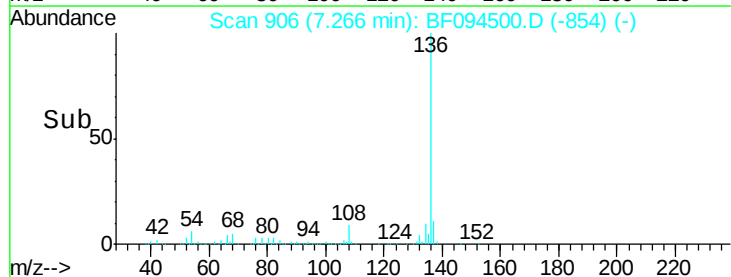
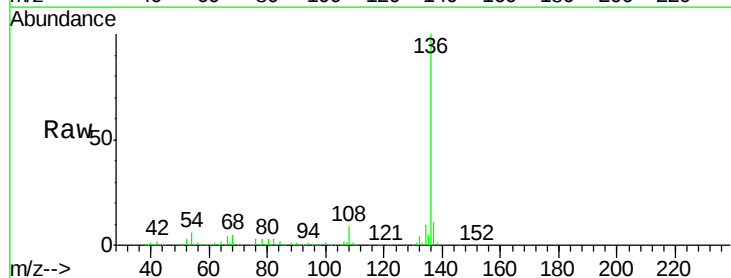
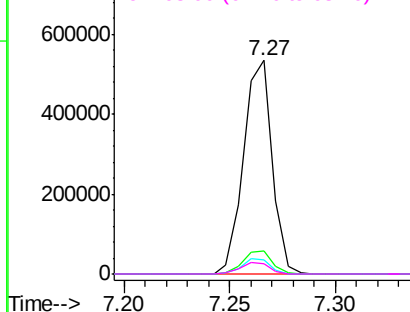
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

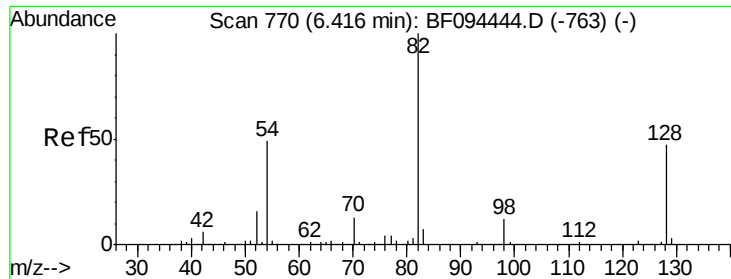


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Tgt Ion:	136	Resp:	499573
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.5	4.9	7.3
68	5.1	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





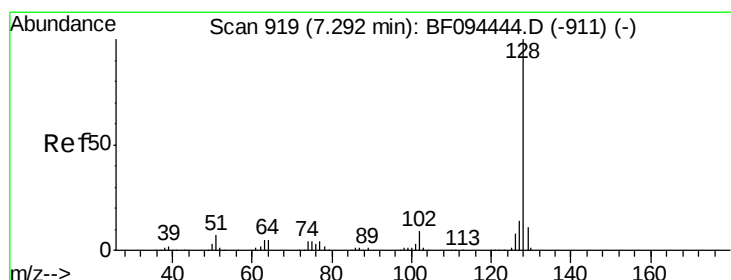
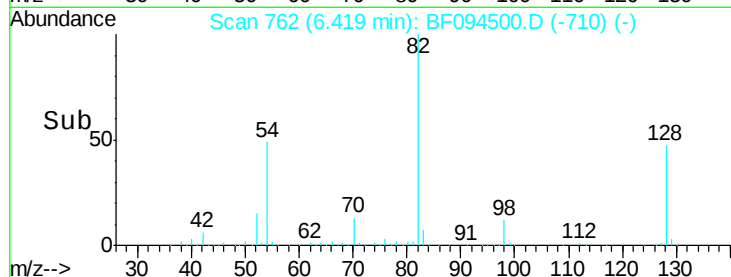
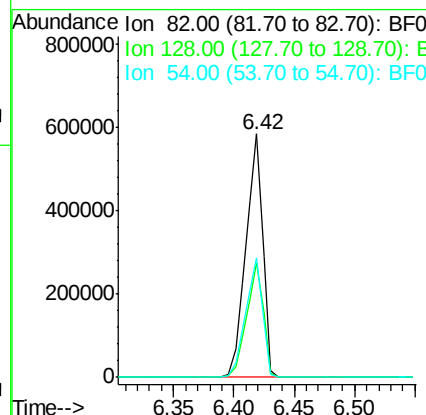
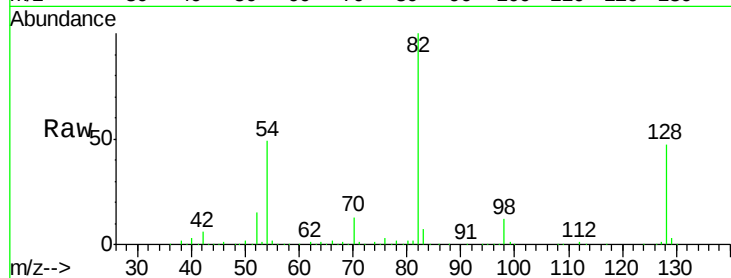
#23
 Nitrobenzene-d5
 Concen: 70.95 ng
 RT: 6.42 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF094500.D
 Acq: 18 Apr 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :
 E2-Y10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.8	34.0	51.0	
54	48.8	42.2	63.2	

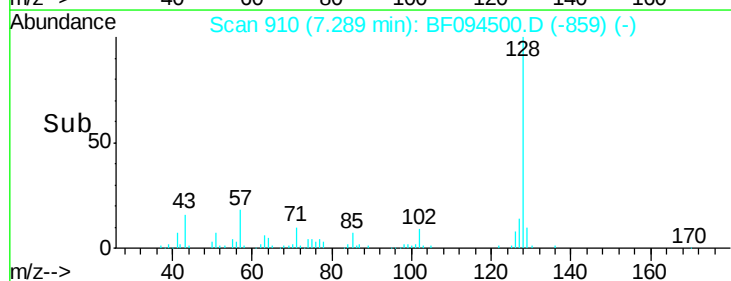
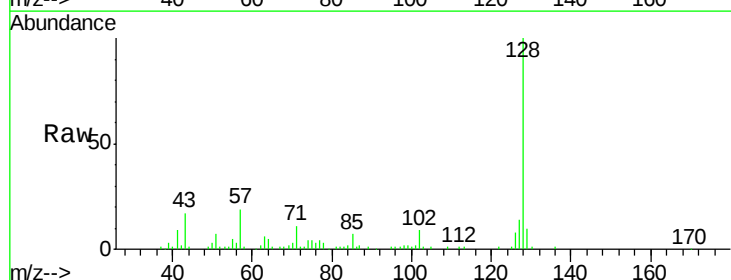
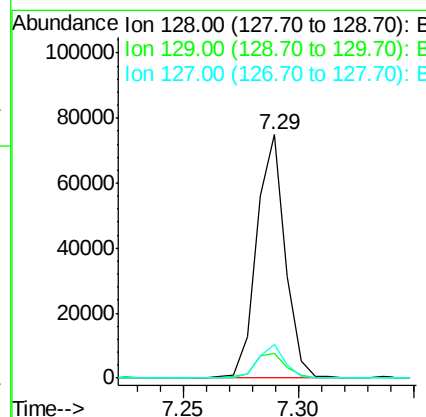
Manual Integrations
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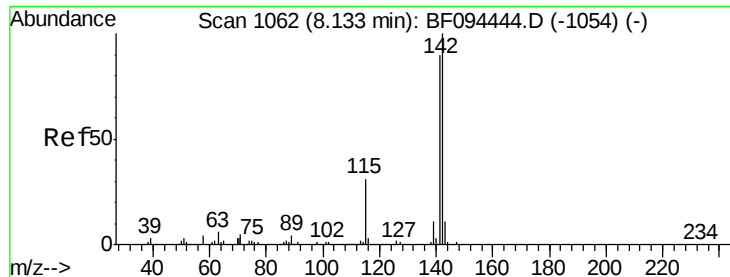
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#31
 Naphthalene
 Concen: 2.68 ng
 RT: 7.29 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF094500.D
 Acq: 18 Apr 2017 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.1	9.0	13.6	
127	13.7	10.8	16.2	





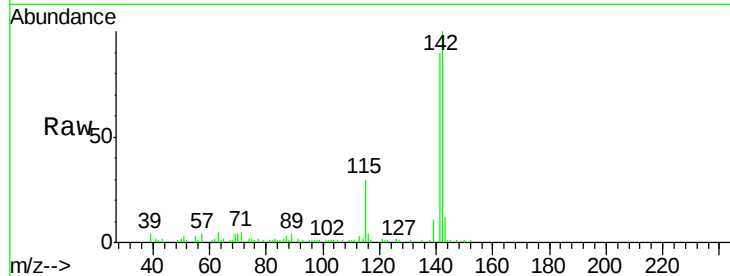
#37
2-Methylnaphthalene
Concen: 3.07 ng
RT: 8.13 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Instrument :
BNA_F
ClientSampleId :
E2-Y10-ESW

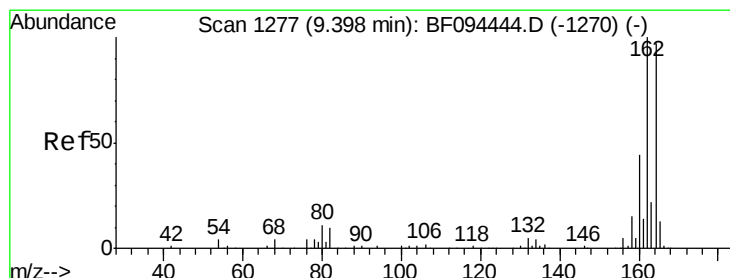
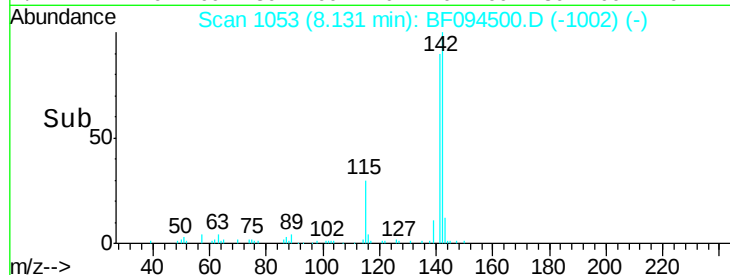
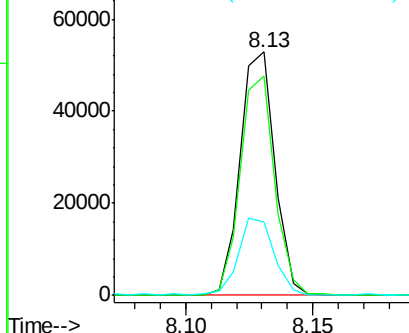
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.3	106.9
115	30.3	27.1	40.7

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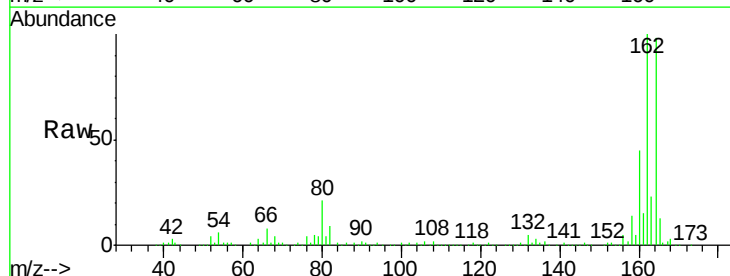


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

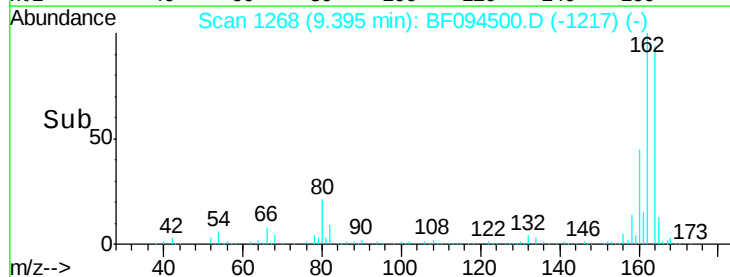
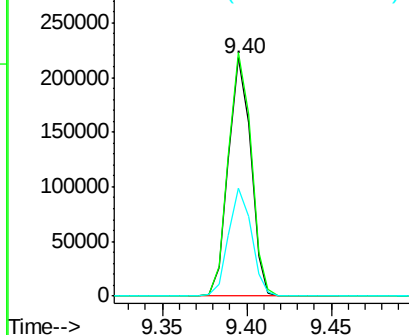


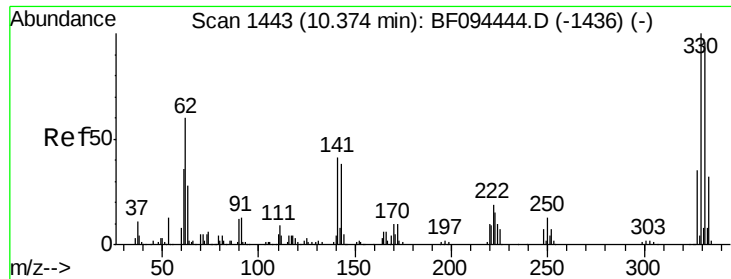
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	45.6	36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 114.25 ng

RT: 10.37 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

Instrument :

BNA_F

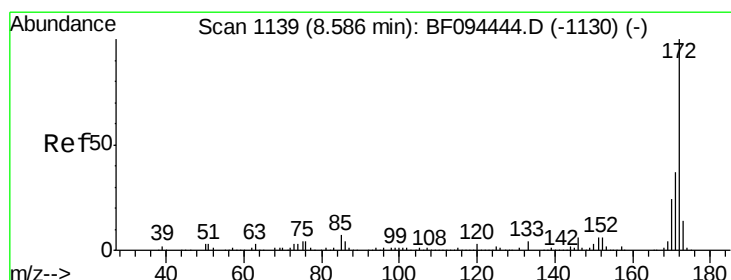
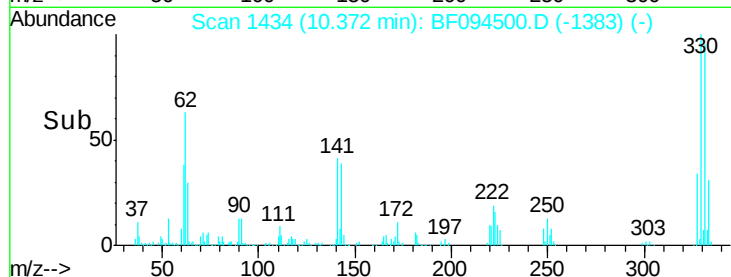
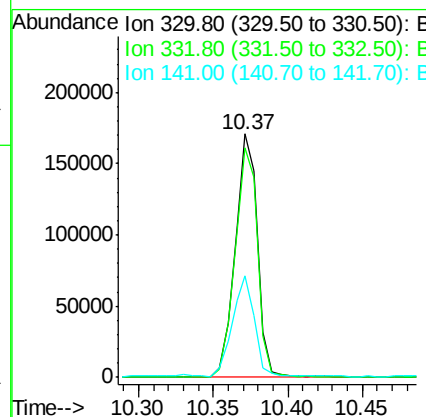
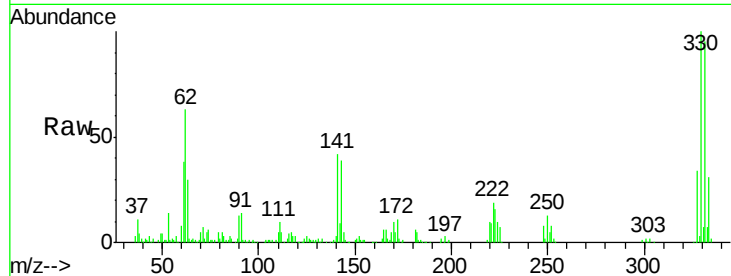
ClientSampleId :

E2-Y10-ESW

Tot Ion:	330	Resp:	179913
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.6	115.0
141	40.3	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 75.57 ng

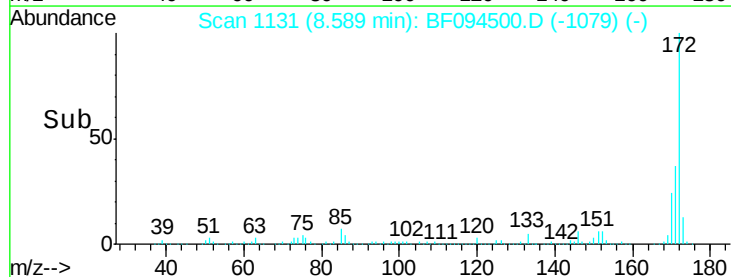
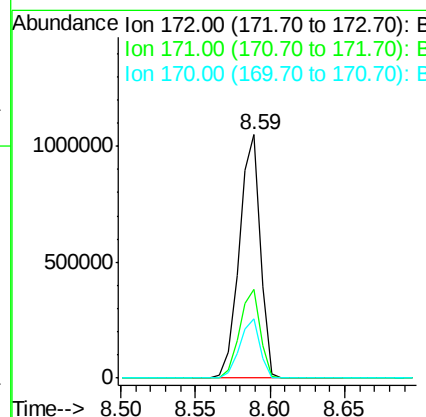
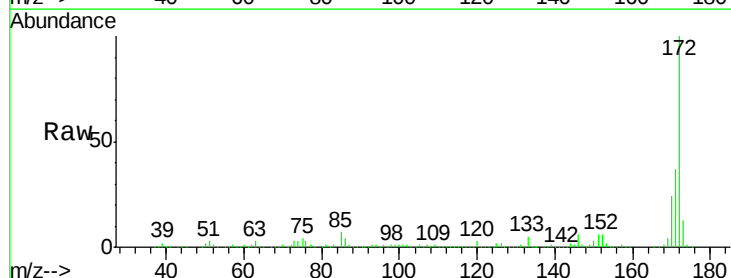
RT: 8.59 min Scan# 1131

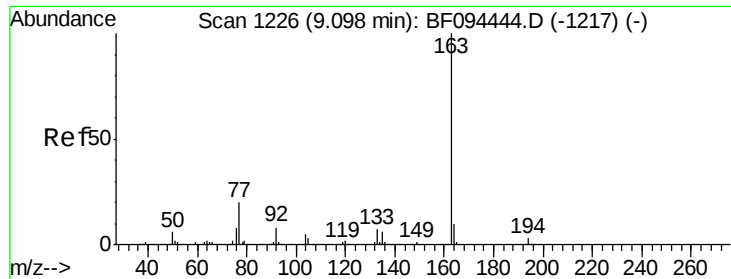
Delta R.T. 0.00 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

Tgt Ion:	172	Resp:	1034090
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.6	44.4
170	24.1	19.8	29.8





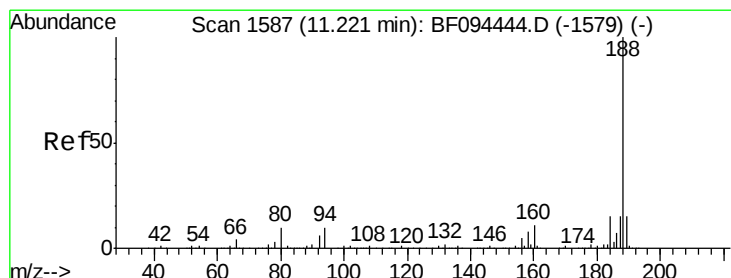
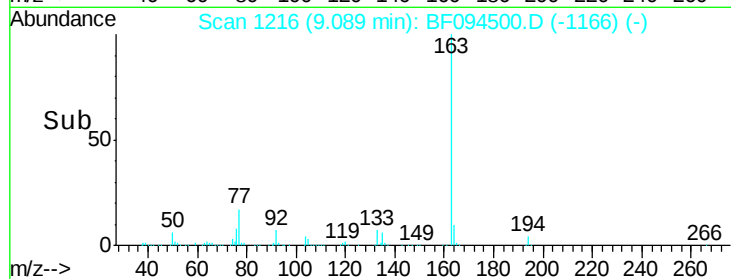
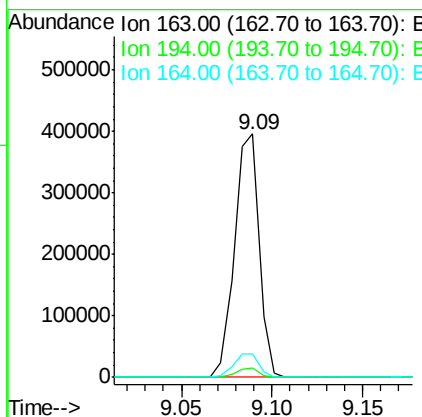
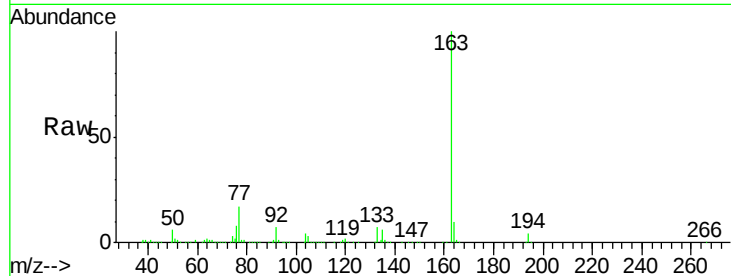
#49
Dimethylphthalate
Concen: 25.02 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Instrument :
BNA_F
ClientSampleId :
E2-Y10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	375375		
194	3.6		2.6	4.0
164	9.6		8.4	12.6

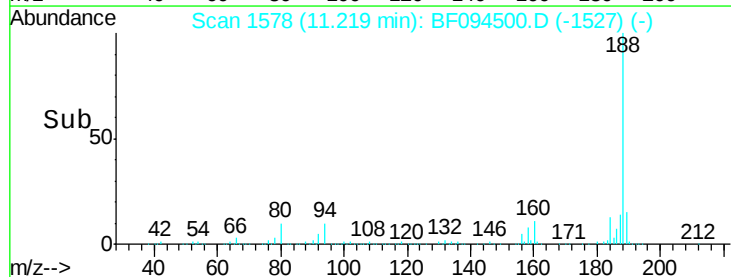
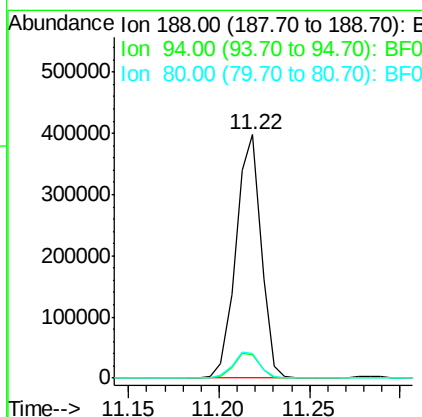
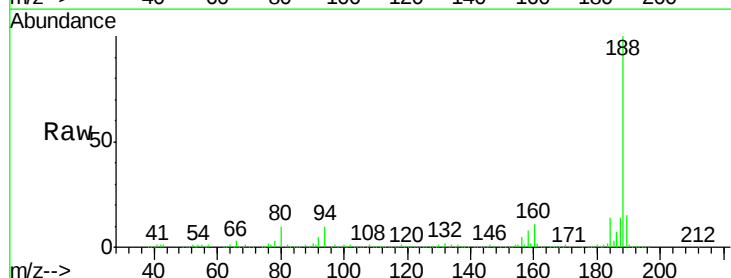
Manual Integrations
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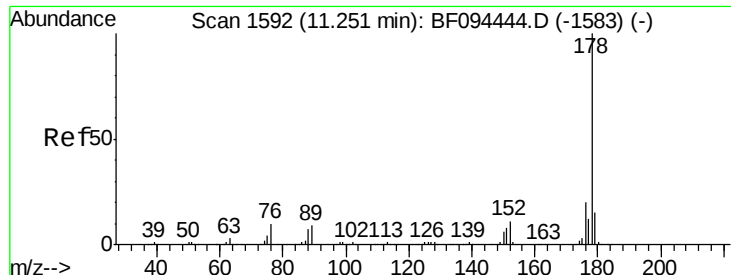
mohammad
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	383605		
94	9.8		9.4	14.2
80	10.2		10.2	15.2





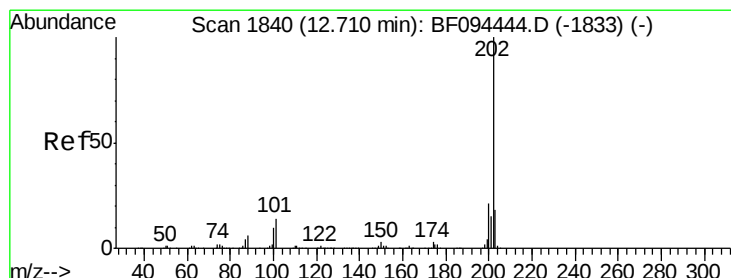
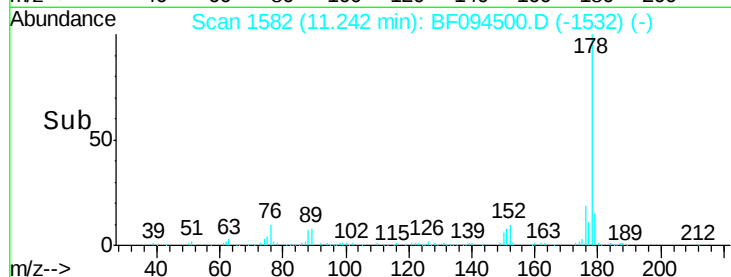
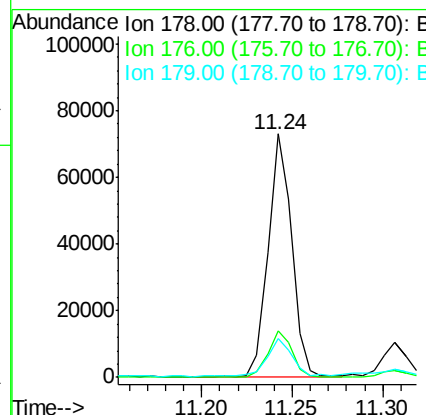
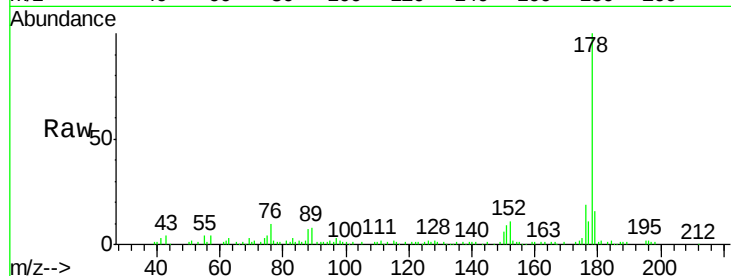
#70
Phenanthrene
Concen: 3.09 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Instrument :
BNA_F
ClientSampleId :
E2-Y10-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.8	12.6	19.0

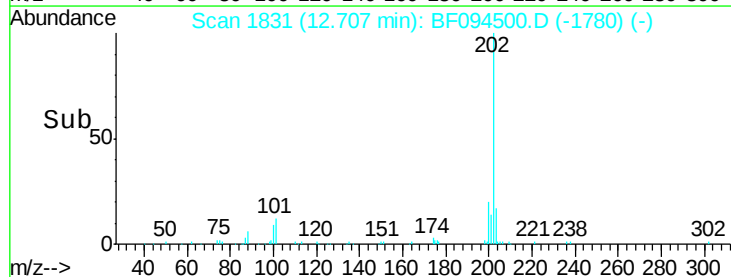
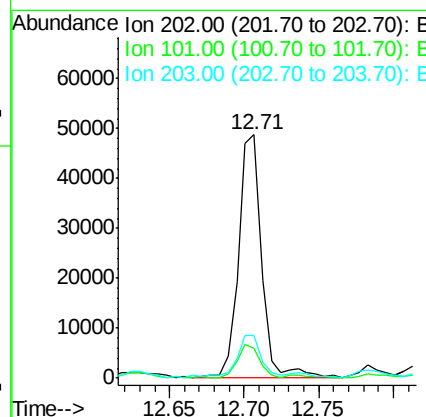
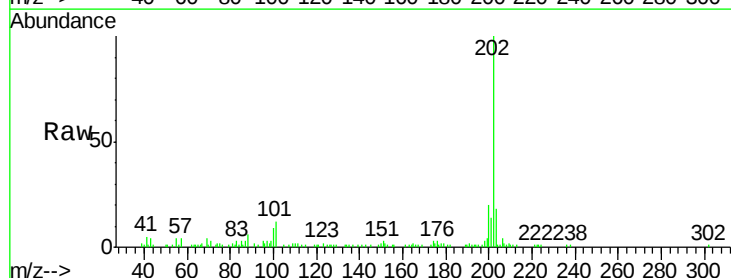
Manual Integrations
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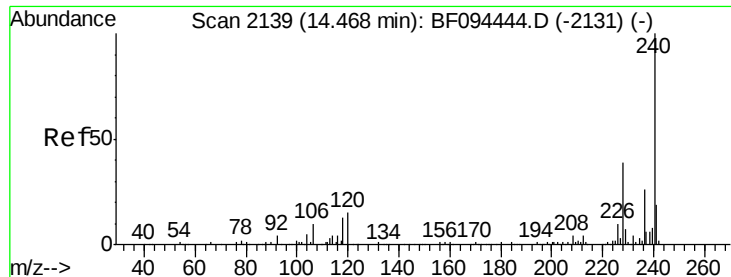
mohammad
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#74
Fluoranthene
Concen: 2.40 ng
RT: 12.71 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

Instrument :

BNA_F

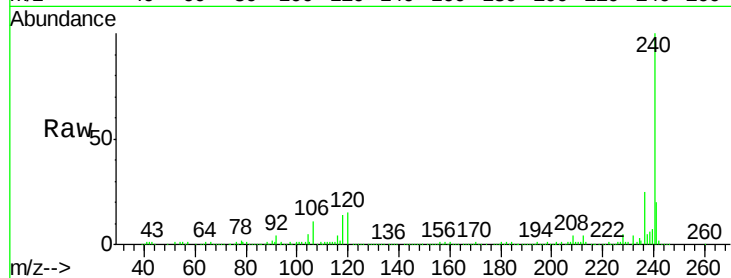
ClientSampleId :

E2-Y10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
240	100	288262		
120	14.9	5.8	8.8#	
236	25.3	20.5	30.7	

Manual Integrations
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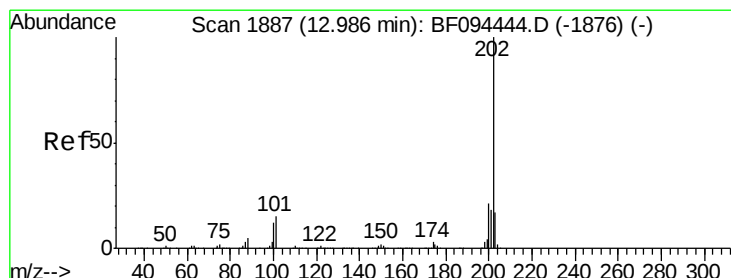
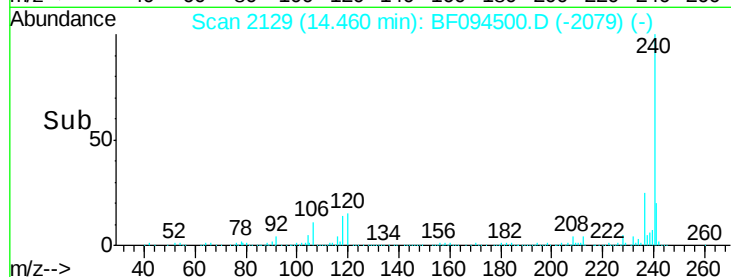
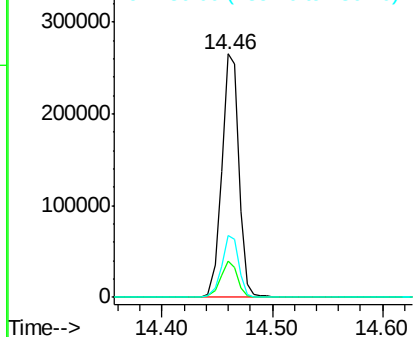
mohammad
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.87 ng

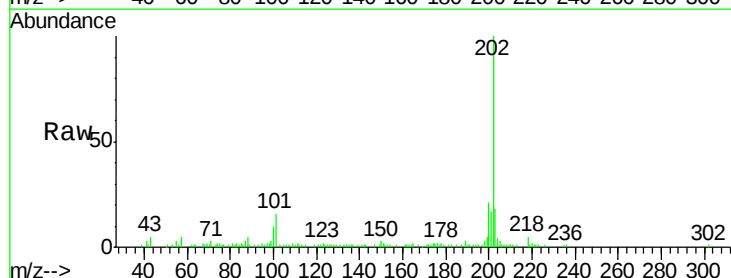
RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

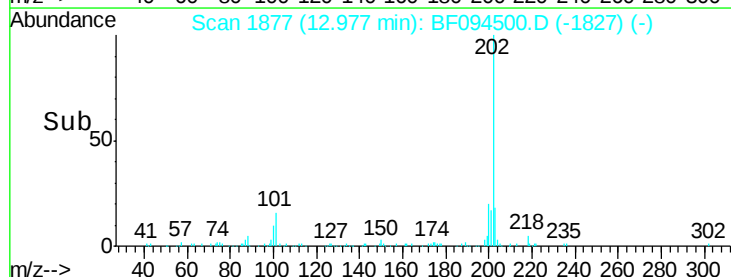
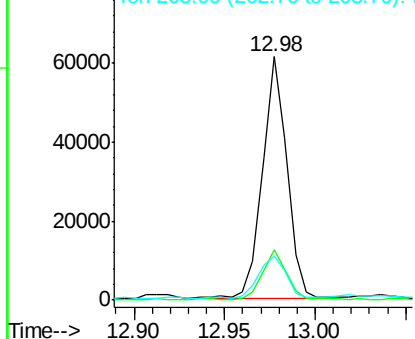
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	57782		
200	20.5	17.6	26.4	
203	18.1	14.4	21.6	

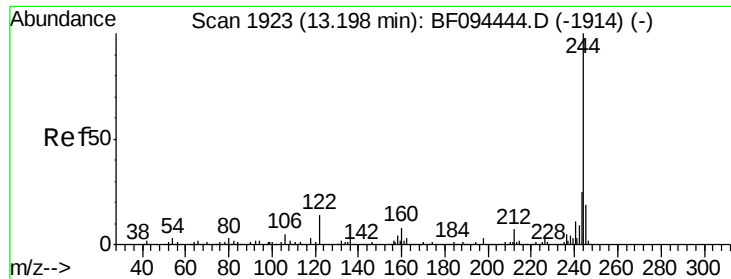


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





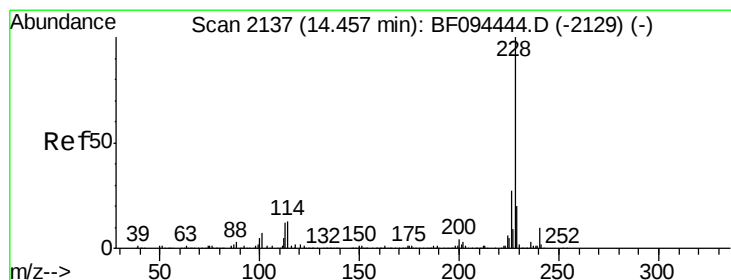
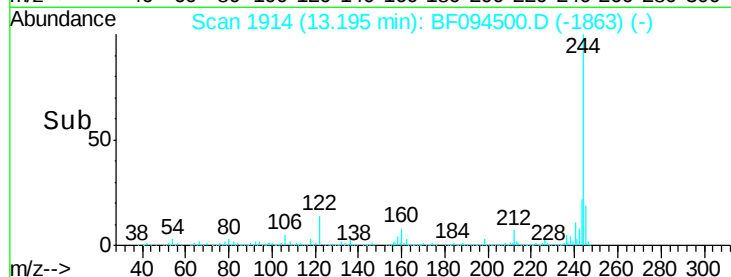
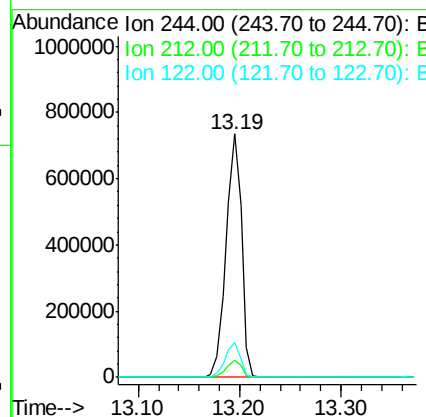
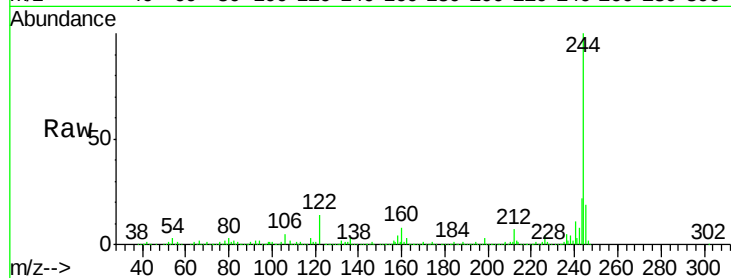
#78
 Terphenyl-d14
 Concen: 72.32 ng
 RT: 13.19 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094500.D
 Acq: 18 Apr 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :
 E2-Y10-ESW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.4	10.3	15.5

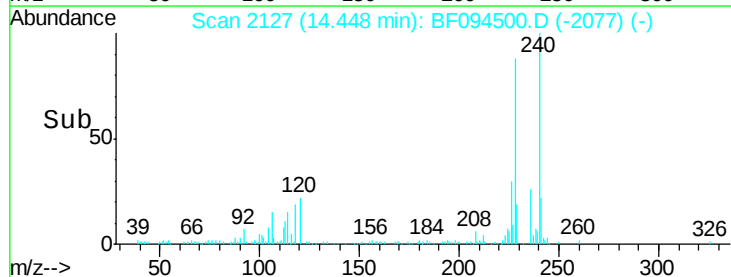
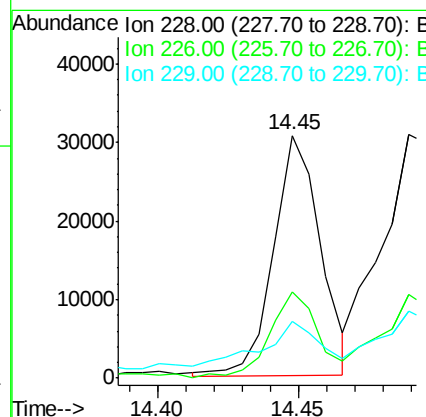
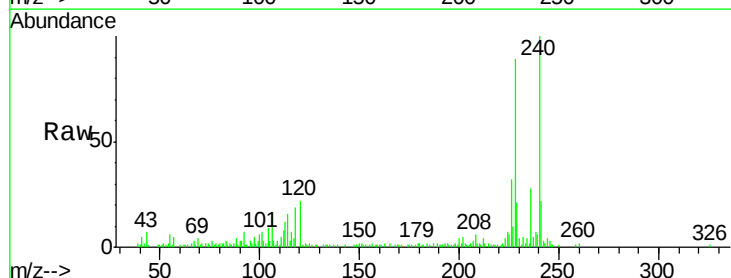
Manual Integrations
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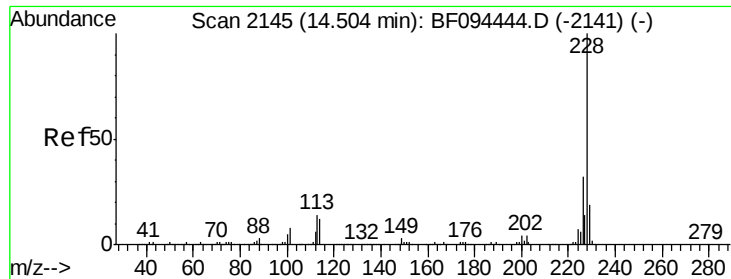
mohammad
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#80
 Benzo(a)anthracene
 Concen: 2.10 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BF094500.D
 Acq: 18 Apr 2017 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.6	33.8#
229	23.5	16.3	24.5





#82

Chrysene

Concen: 2.88 ng/mL

RT: 14.49 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

Instrument :

BNA_F

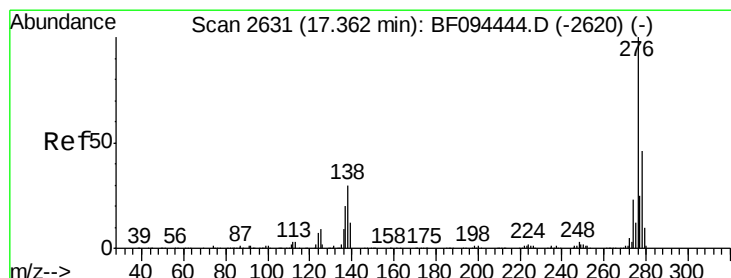
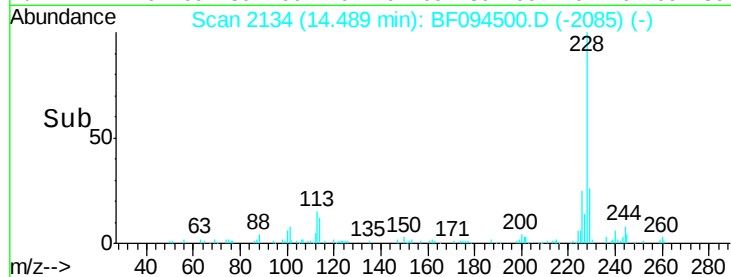
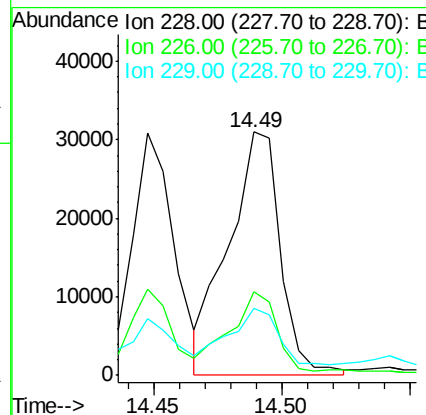
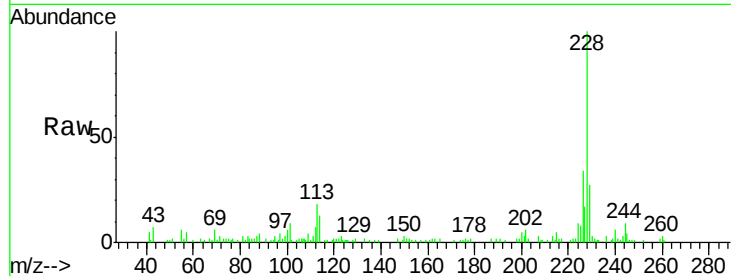
ClientSampleId :

E2-Y10-ESW

Tot Ion:	228	Resp:	44105
Ion Ratio	Lower	Upper	
228	100		
226	34.3	24.9	37.3
229	27.3	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.57 ng/mL

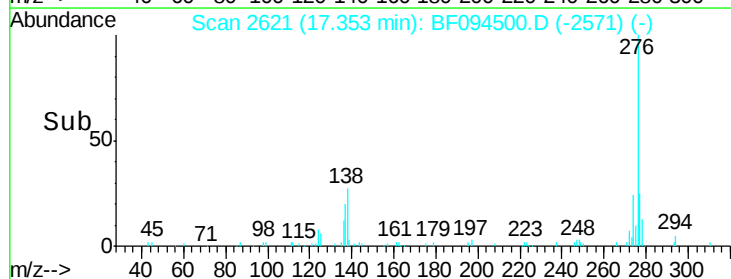
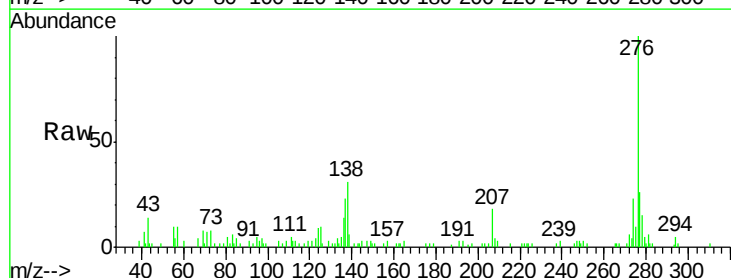
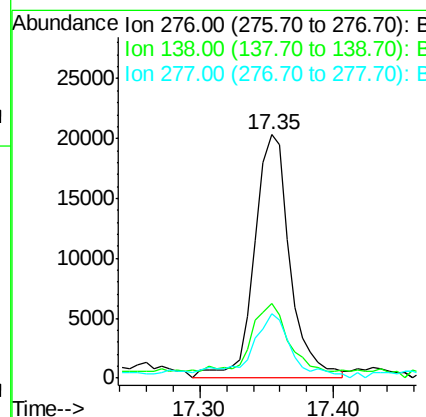
RT: 17.35 min Scan# 2621

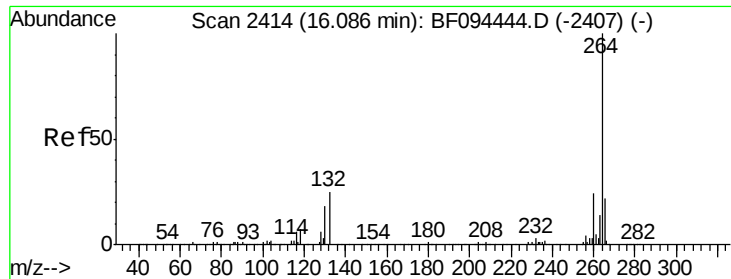
Delta R.T. -0.01 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

Tgt Ion:	276	Resp:	37455
Ion Ratio	Lower	Upper	
276	100		
138	28.3	27.8	41.6
277	27.8	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.09 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

Instrument :

BNA_F

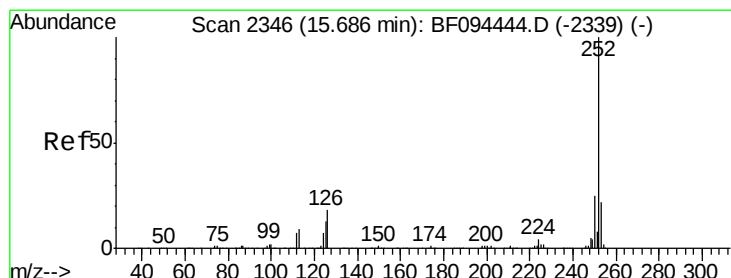
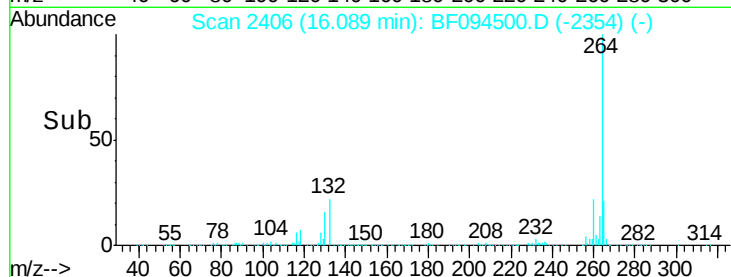
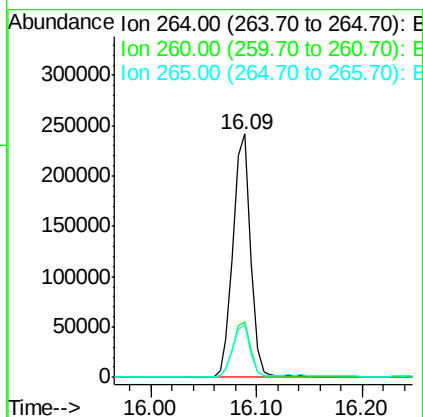
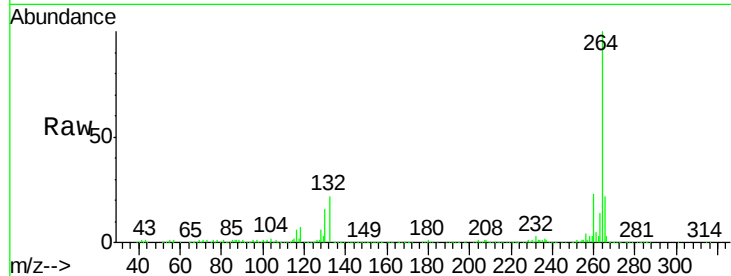
ClientSampleId :

E2-Y10-ESW

Tot Ion:	264	Resp:	277878
Ion Ratio	Lower	Upper	
264	100		
260	22.6	19.5	29.3
265	21.5	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 4.53 ng m

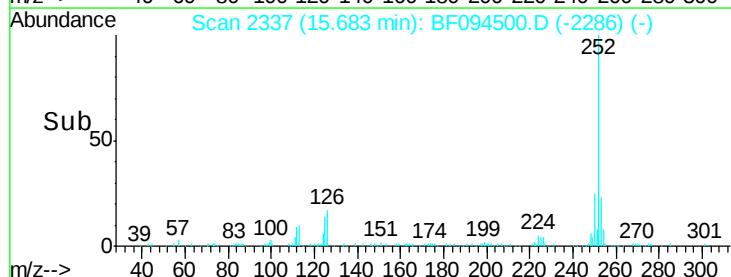
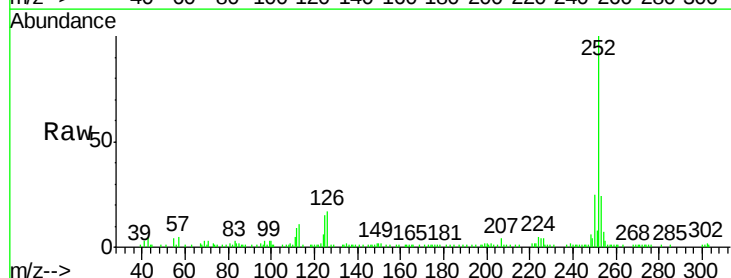
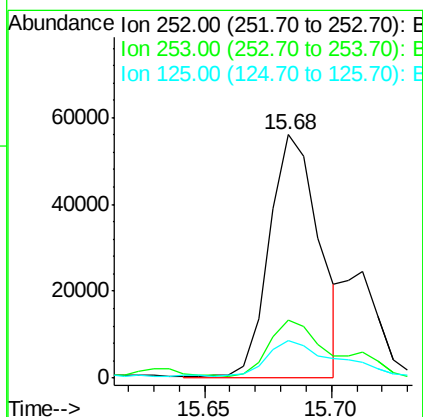
RT: 15.68 min Scan# 2337

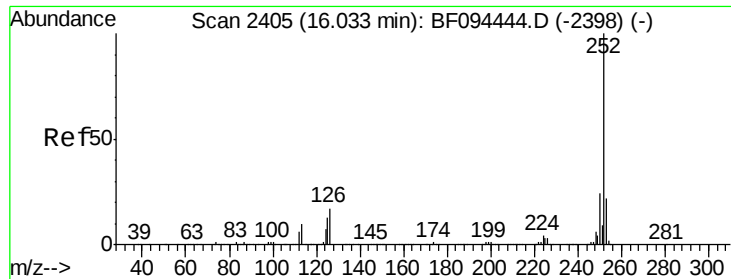
Delta R.T. -0.00 min

Lab File: BF094500.D

Acq: 18 Apr 2017 21:37

Tgt Ion:	252	Resp:	77018
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.1	27.1
125	15.3	9.8	14.8#





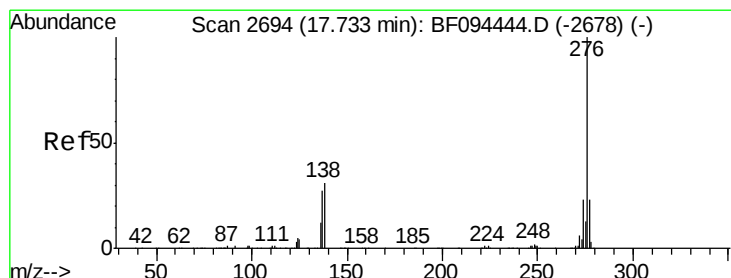
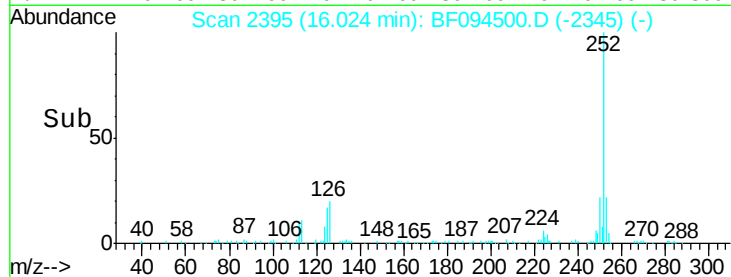
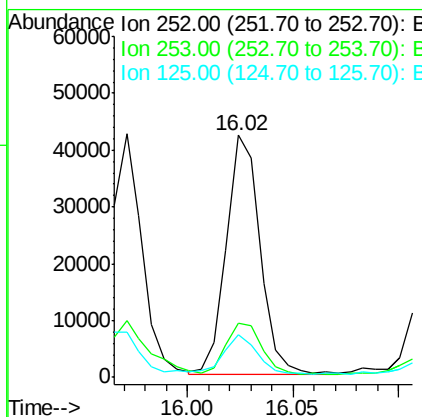
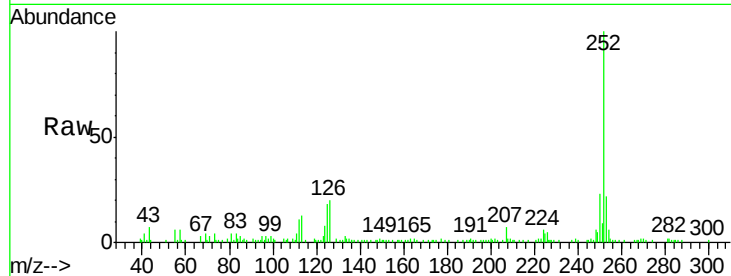
#89
Benzo(a)pyrene
Concen: 2.94 ng
RT: 16.02 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Instrument :
BNA_F
ClientSampleId :
E2-Y10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	17.9	11.0	16.4

Manual Integrations
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4/19/2017 1:33:35 PM



#91
Benzo(g,h,i)perylene
Concen: 2.74 ng
RT: 17.73 min Scan# 2685
Delta R.T. -0.00 min
Lab File: BF094500.D
Acq: 18 Apr 2017 21:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	28.0
138	31.4	25.4	38.0

