

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094553.D
 Acq On : 20 Apr 2017 19:10
 Operator : SJ/MA
 Sample : I2744-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)20170418

Manual Integrations
 APPROVED

mohammad
 4/21/2017 11:39:05 AM

Quant Time: Apr 21 06:41:37 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	5.76	152	100708	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	418139	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	204992	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	376362	20.00	ng	-0.01
75) Chrysene-d12	14.46	240	298660	20.00	ng	0.00
86) Perylene-d12	16.08	264	240348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	587797	96.83	ng	0.00
7) Phenol-d6	5.39	99	709576	99.16	ng	0.00
23) Nitrobenzene-d5	6.41	82	438106	64.70	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	151420	94.44	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	866354	62.18	ng	0.00
78) Terphenyl-d14	13.19	244	803326	71.90	ng	0.00
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	5.95	146	16071	2.27	ng	94
49) Dimethylphthalate	9.08	163	257900	16.88	ng	100
70) Phenanthrene	11.24	178	383433	18.09	ng	98
71) Anthracene	11.30	178	54263	2.48	ng	99
74) Fluoranthene	12.70	202	498548	22.70	ng	99
77) Pyrene	12.98	202	549302	26.33	ng	99
80) Benzo(a)anthracene	14.45	228	226842	13.07	ng	99
82) Chrysene	14.49	228	225544	14.22	ng	97
83) Bis(2-ethylhexyl)phthalate	14.51	149	29959	2.44	ng	99
85) Indeno(1,2,3-cd)pyrene	17.35	276	94335	6.25	ng	93
87) Benzo(b)fluoranthene	15.68	252	218790m	14.88	ng	
88) Benzo(k)fluoranthene	15.71	252	60084m	4.32	ng	
89) Benzo(a)pyrene	16.02	252	153758	11.24	ng	99
91) Benzo(a,h,i)perylene	17.72	276	91678	7.93	ng	95

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

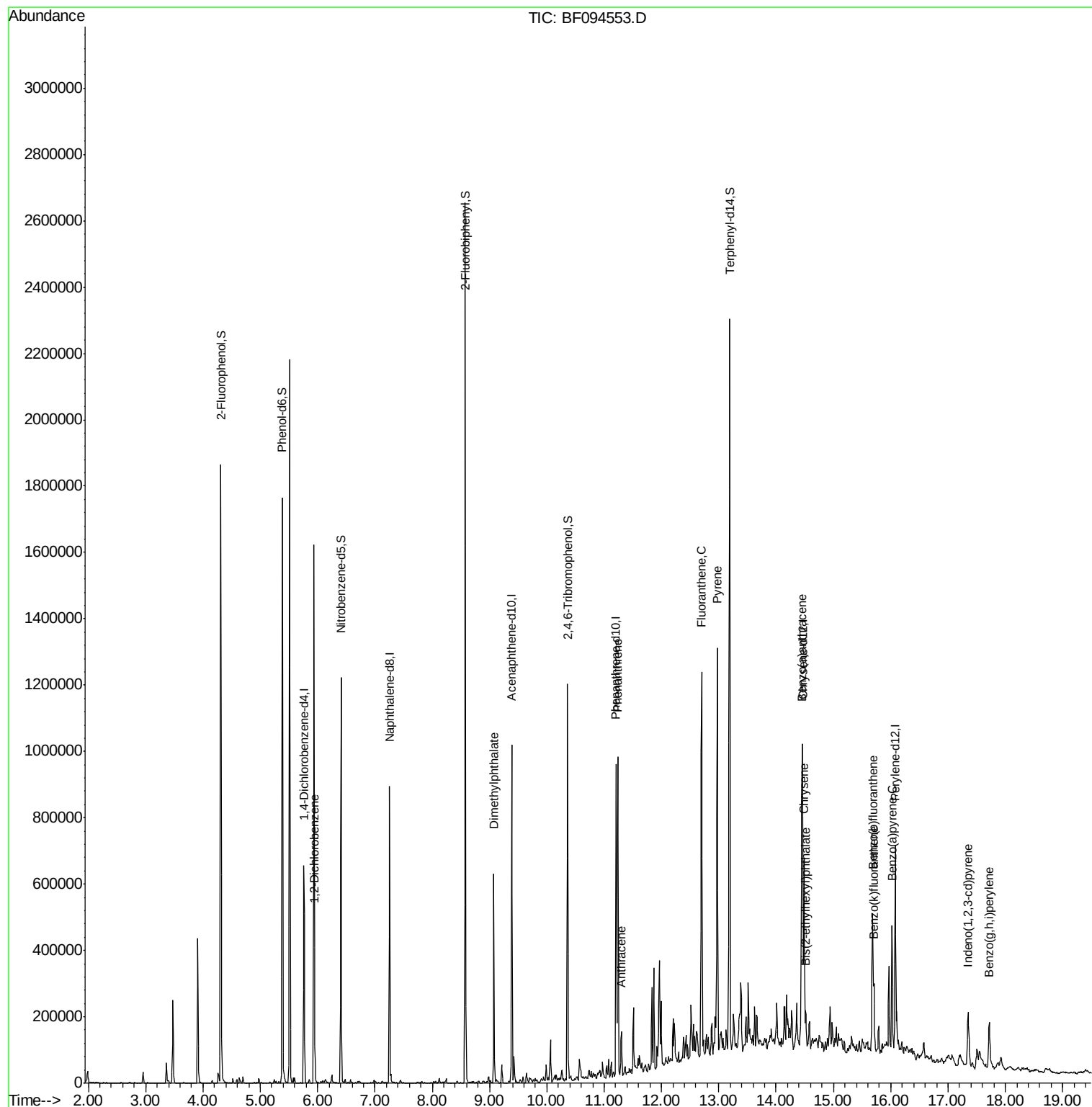
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
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ALS Vial : 19 Sample Multiplier: 1

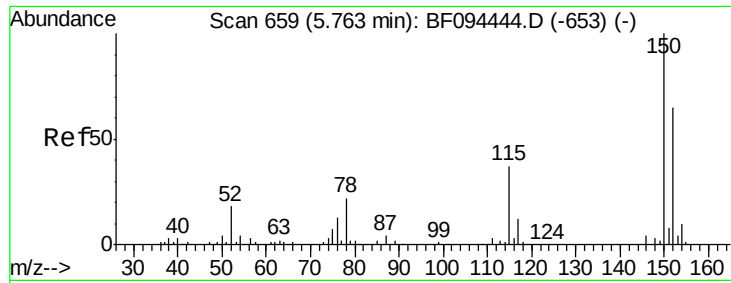
Instrument :
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#1

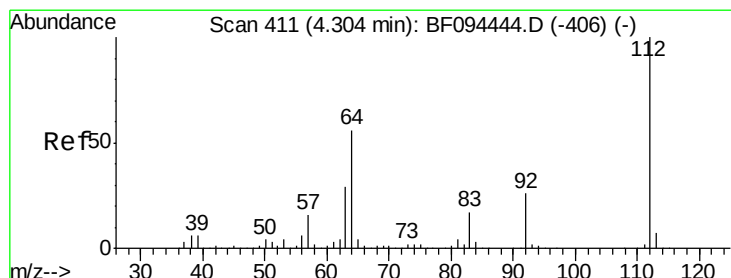
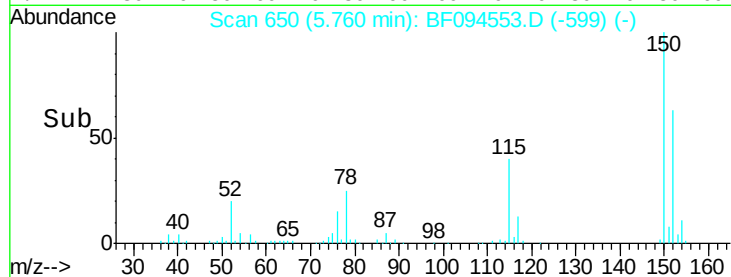
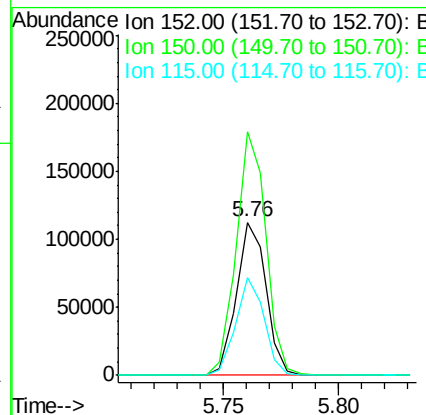
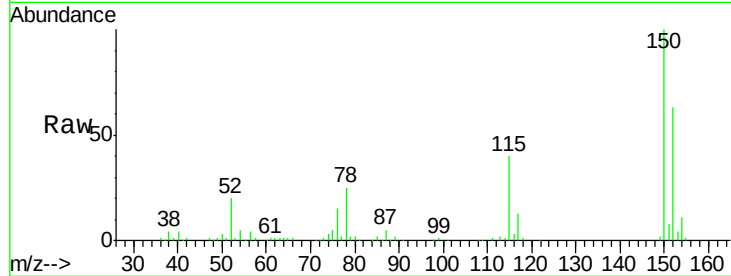
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170418

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.2	189.2
115	64.2	52.2	78.2

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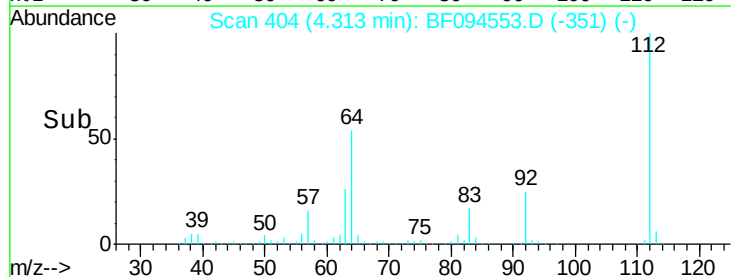
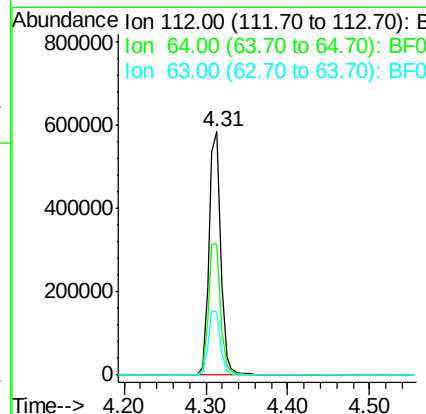
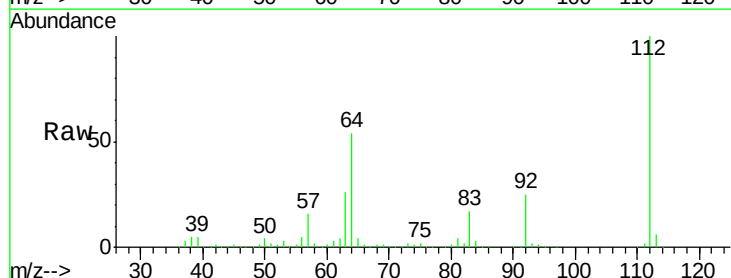
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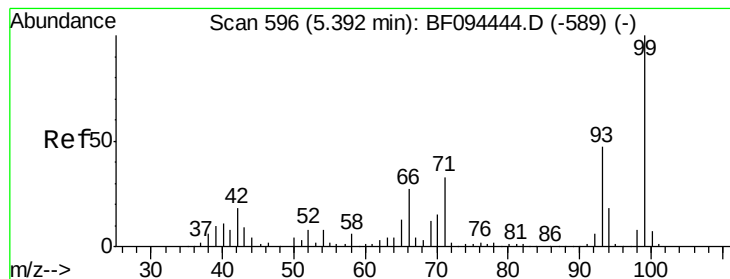


#5

2-Fluorophenol
Concen: 96.83 ng
RT: 4.31 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	46.0	69.0
63	26.2	23.4	35.0





#7

Phenol-d6

Concen: 99.16 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

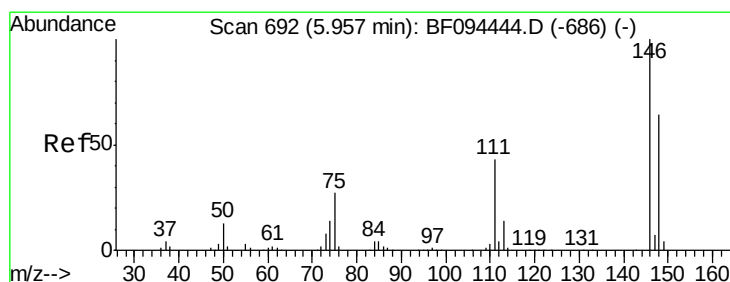
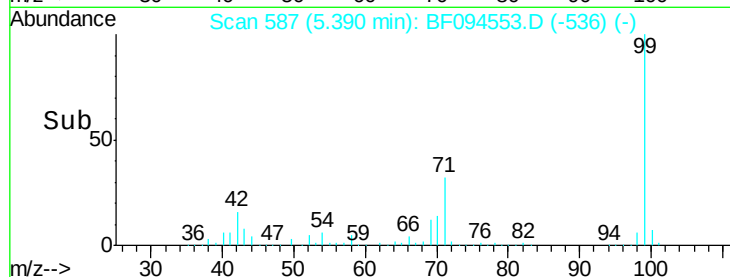
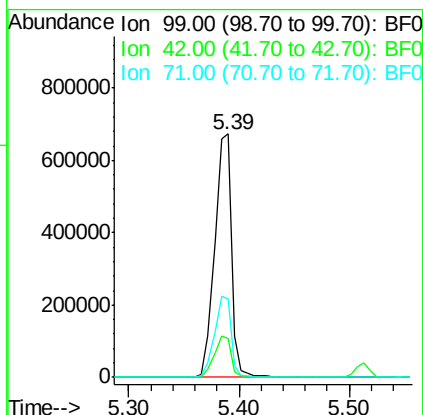
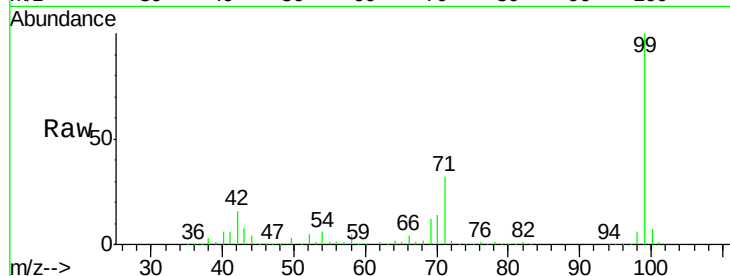
ClientSampleId :

SB-1(0-2)20170418

Tot Ion:	99	Resp:	709576
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	32.3	24.5	36.7

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#14

1,2-Dichlorobenzene

Concen: 2.27 ng

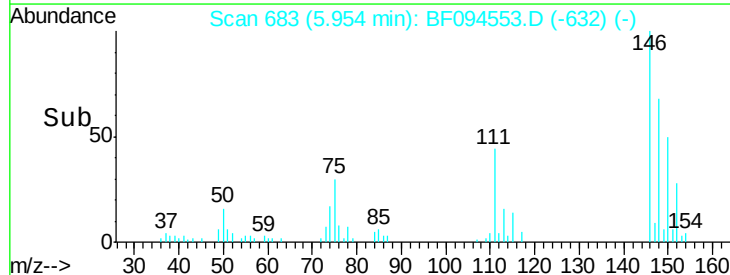
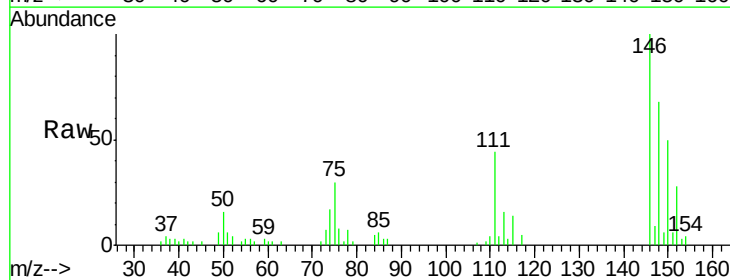
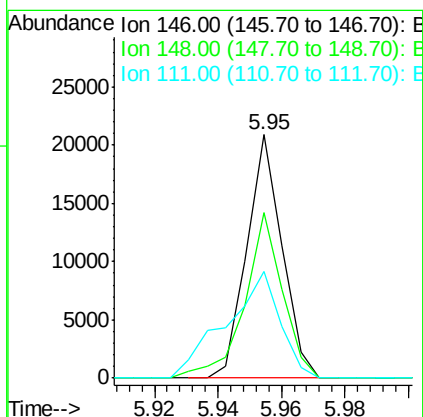
RT: 5.95 min Scan# 683

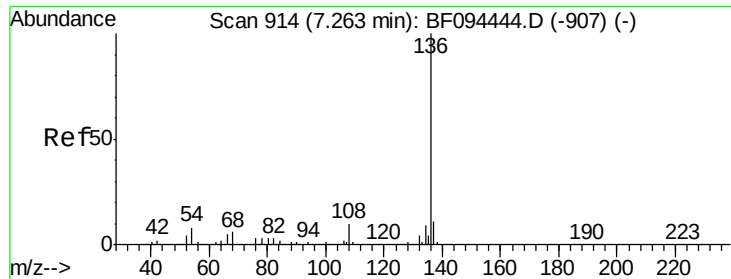
Delta R.T. -0.00 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Tgt Ion:	146	Resp:	16071
Ion	Ratio	Lower	Upper
146	100		
148	68.2	50.4	75.6
111	44.0	38.2	57.4





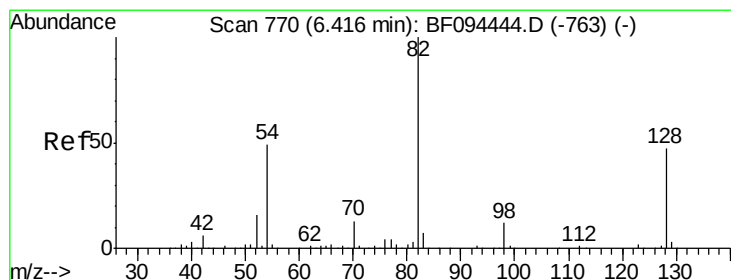
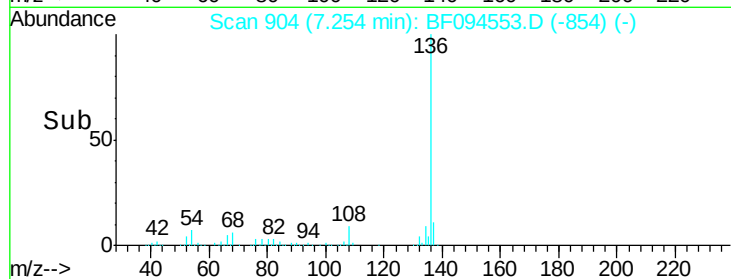
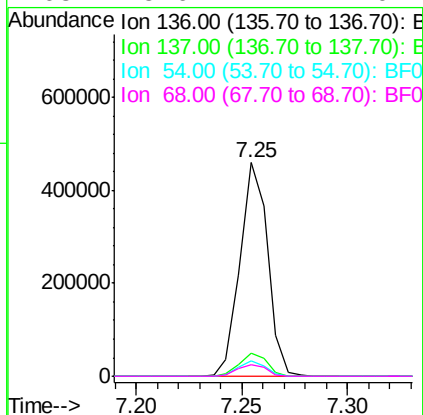
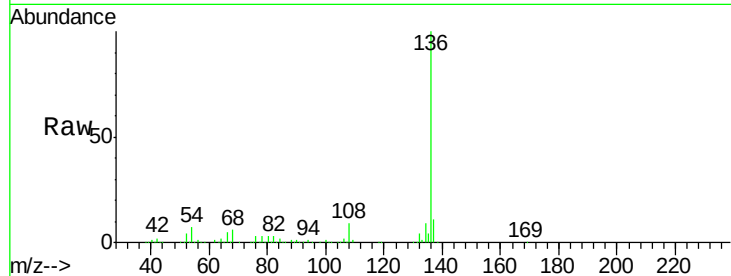
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170418

Tot Ion	Ratio	Resp	Lower	Upper
136	100	418139		
137	10.5		8.5	12.7
54	7.1		4.9	7.3
68	5.6		4.1	6.1

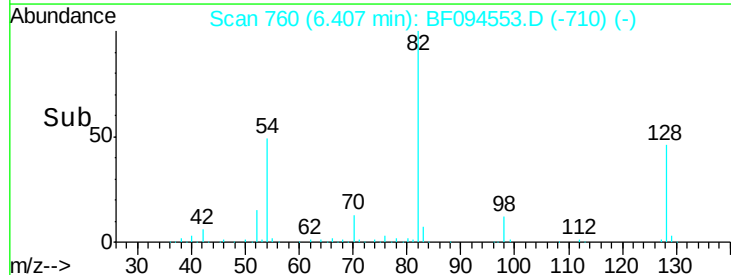
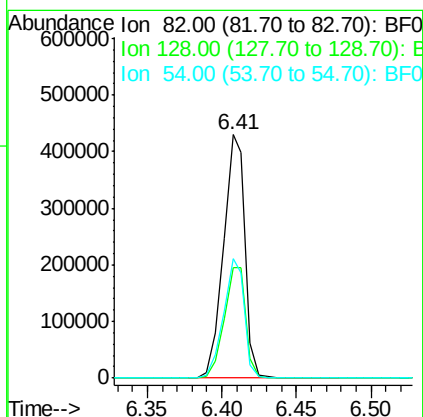
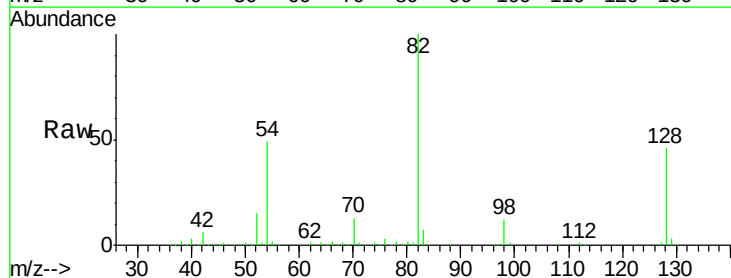
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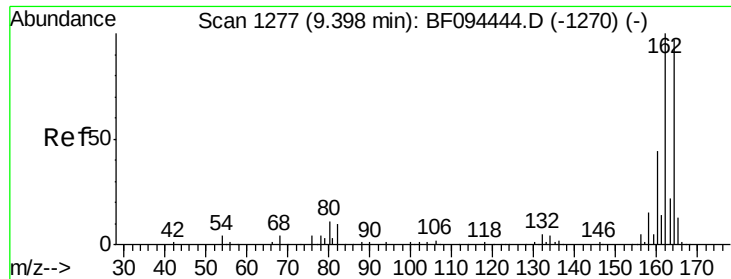
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#23
Nitrobenzene-d5
Concen: 64.70 ng
RT: 6.41 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	438106		
128	45.5		34.0	51.0
54	49.0		42.2	63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.39 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)20170418

Tot Ion:164 Resp: 204992

Ion Ratio Lower Upper

164 100

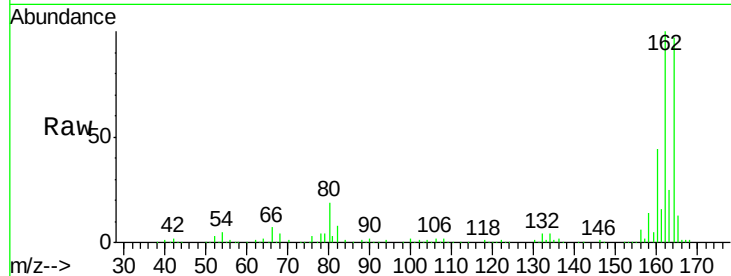
162 103.6 82.6 123.8

160 45.1 36.2 54.2

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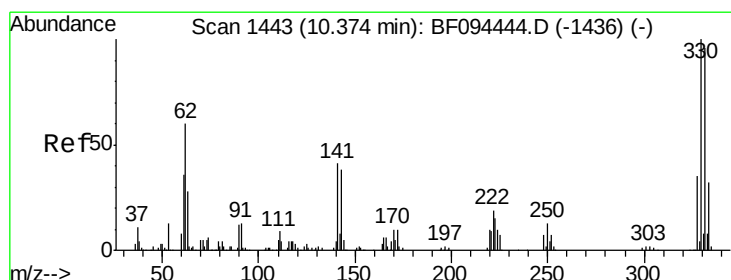
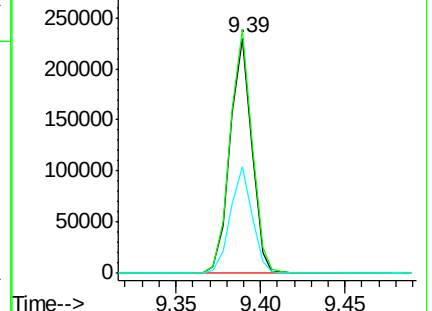
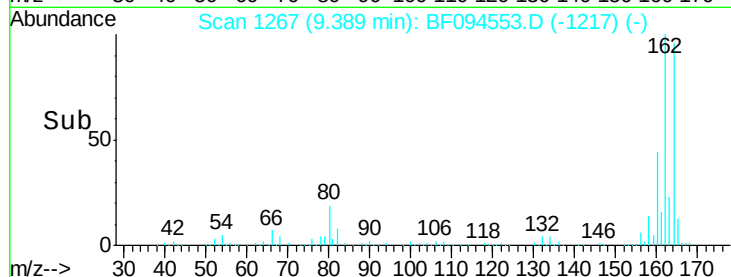
4/21/2017 11:39:05 AM



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: 94.44 ng

RT: 10.37 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

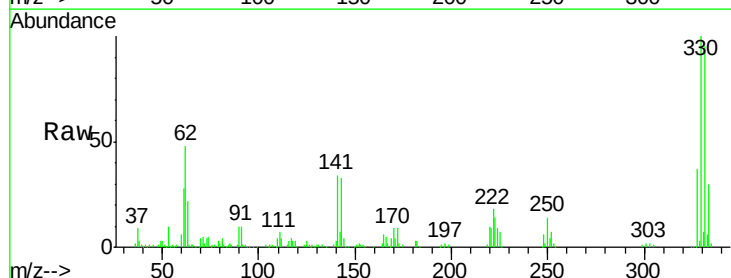
Tgt Ion:330 Resp: 151420

Ion Ratio Lower Upper

330 100

332 95.7 76.6 115.0

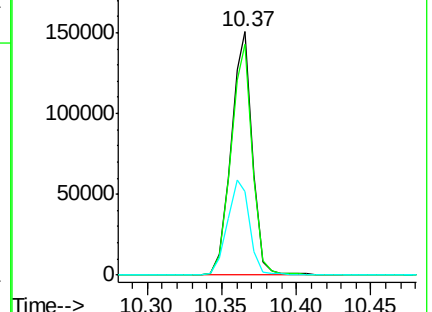
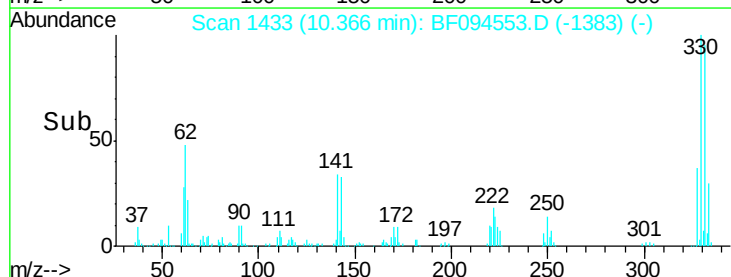
141 41.1 31.4 47.2

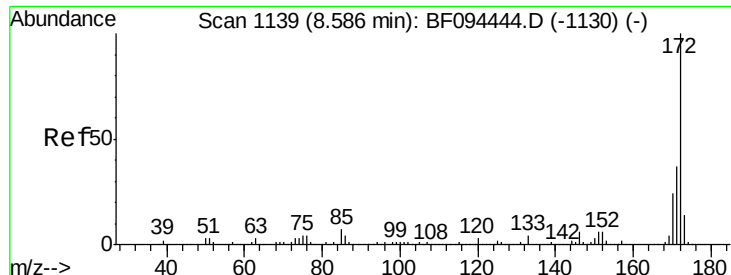


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





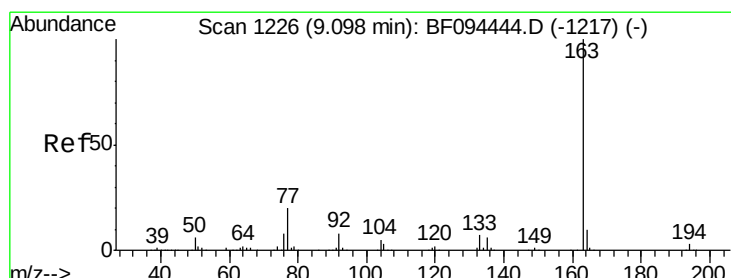
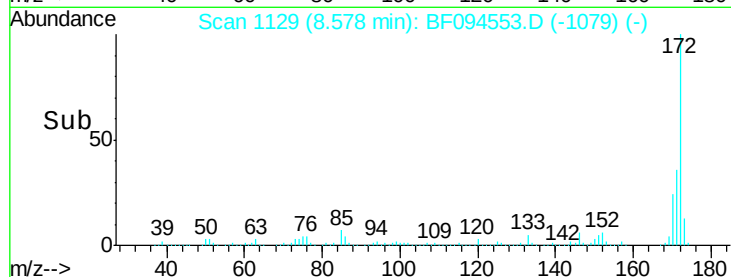
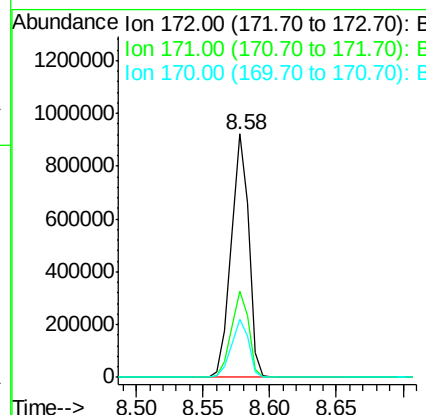
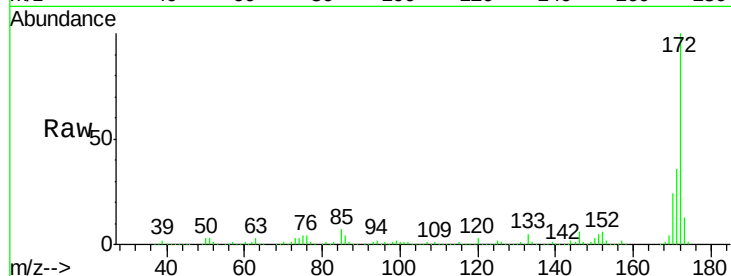
#44
2-Fluorobiphenyl
Concen: 62.18 ng
RT: 8.58 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170418

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.6	19.8	29.8

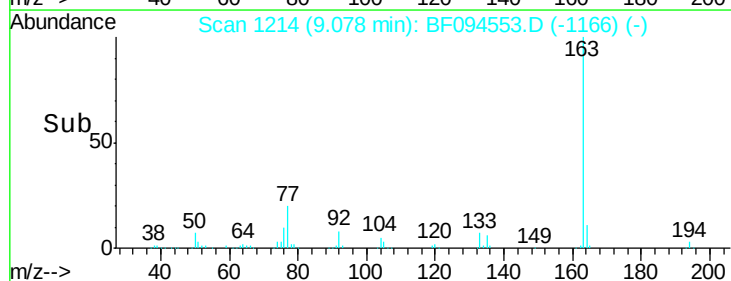
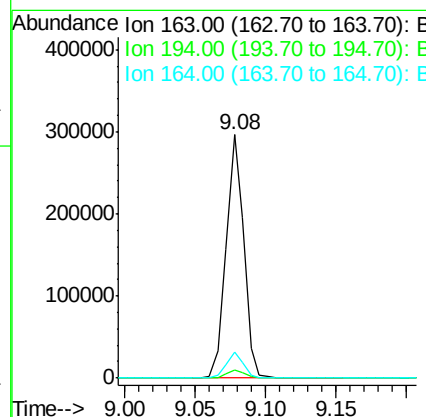
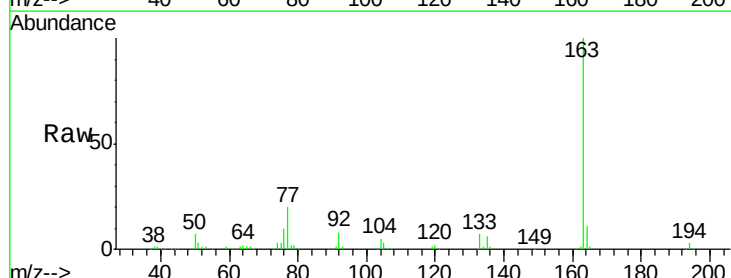
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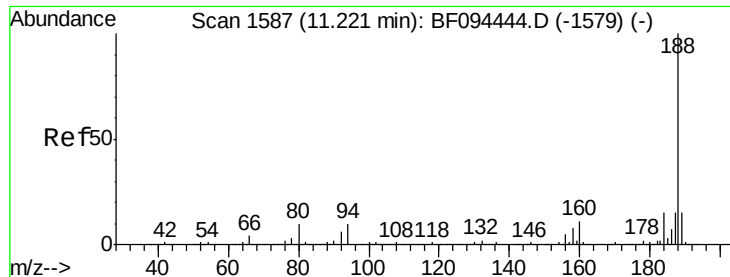
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#49
Dimethylphthalate
Concen: 16.88 ng
RT: 9.08 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.5	8.4	12.6





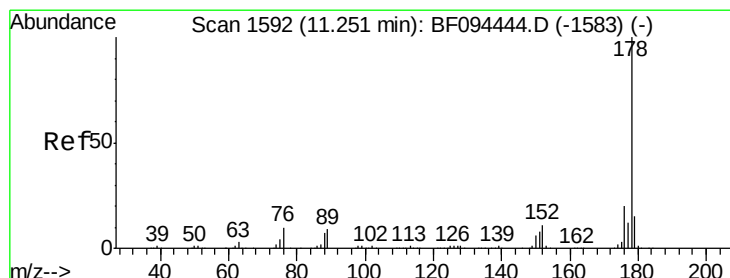
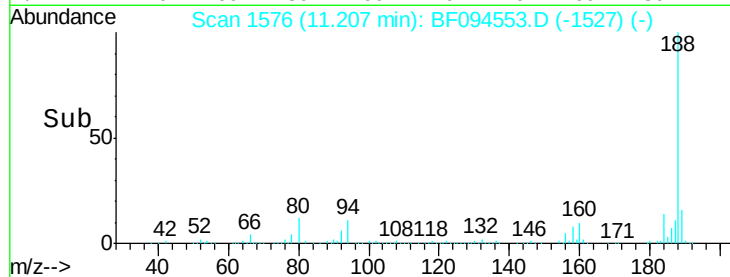
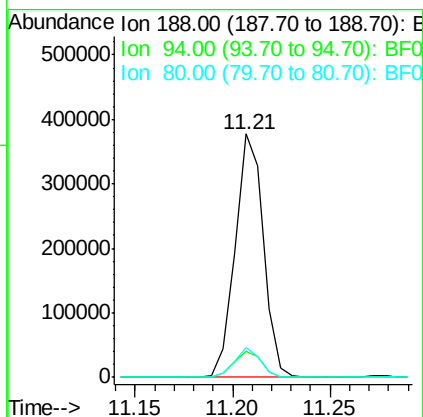
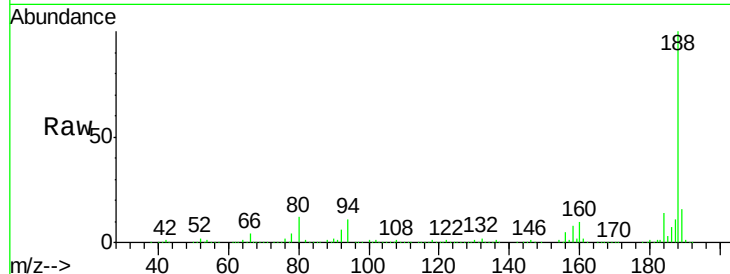
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170418

Tot Ion	Ratio	Resp	Lower	Upper
188	100	376362		
94	10.5		9.4	14.2
80	12.3		10.2	15.2

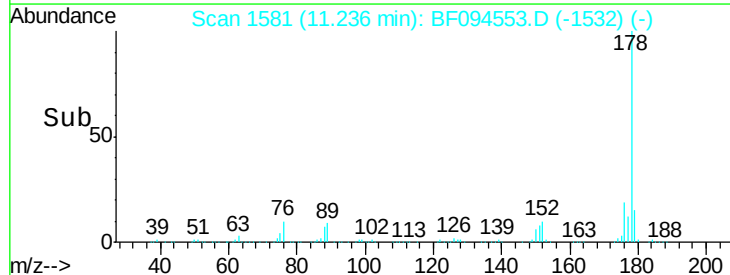
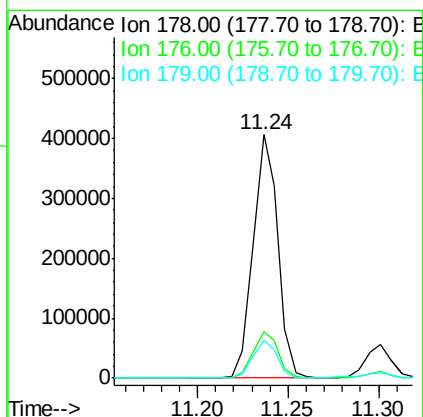
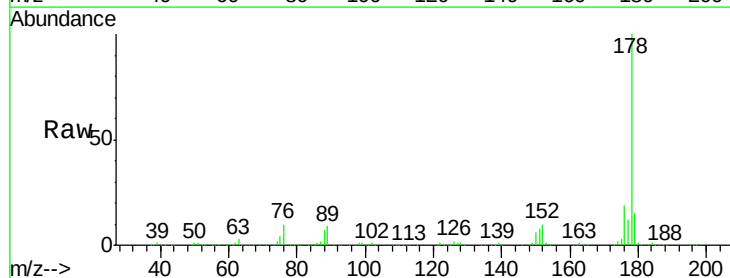
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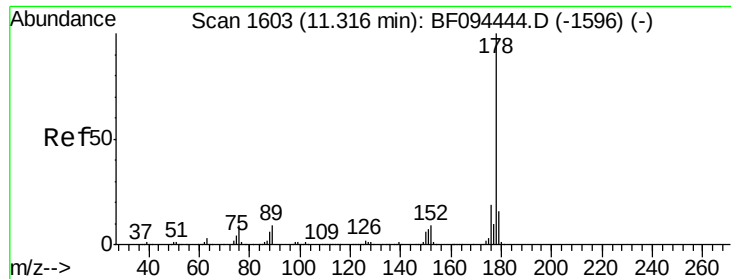
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#70
Phenanthrene
Concen: 18.09 ng
RT: 11.24 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	383433		
176	19.0		16.2	24.4
179	15.5		12.6	19.0





#71

Anthracene

Concen: 2.48 ng

RT: 11.30 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)20170418

Tot Ion:178 Resp: 54263

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

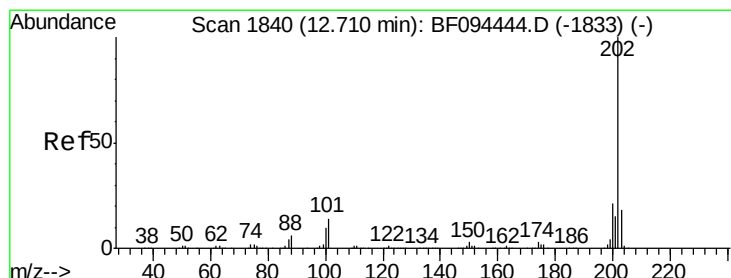
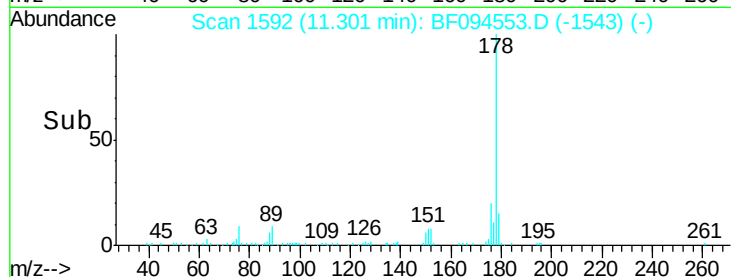
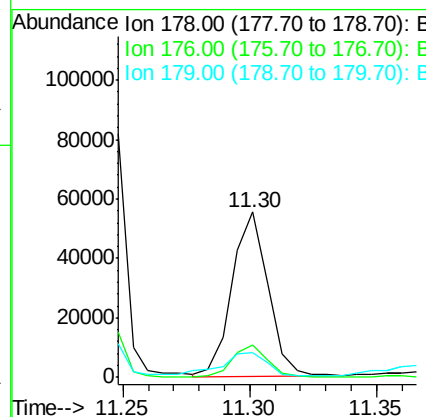
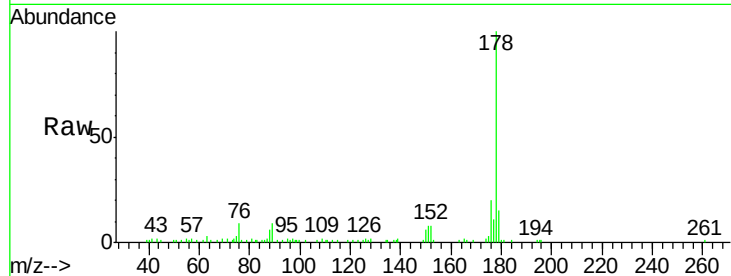
179 15.3 12.7 19.1

Manual Integrations

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#74

Fluoranthene

Concen: 22.70 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

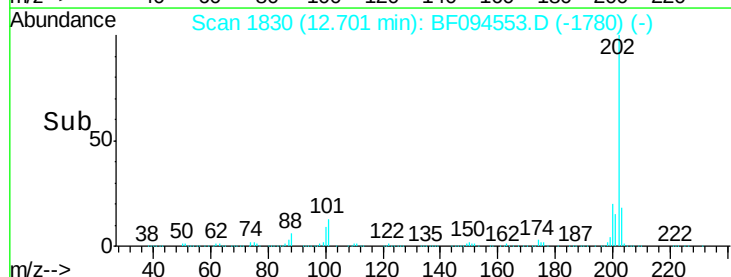
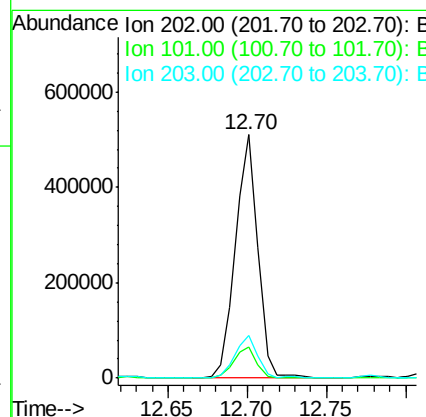
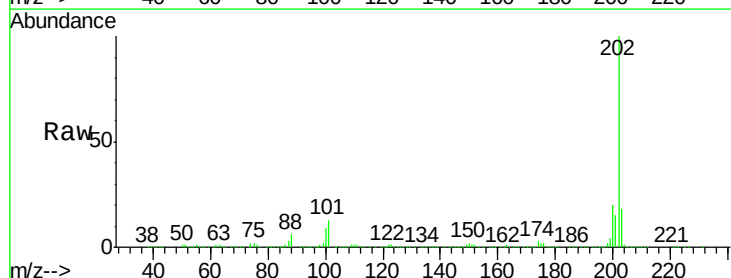
Tgt Ion:202 Resp: 498548

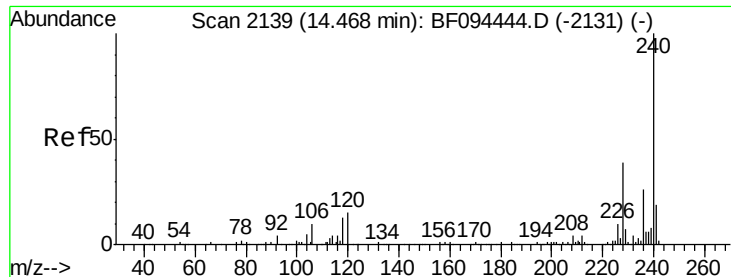
Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

203 17.6 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: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

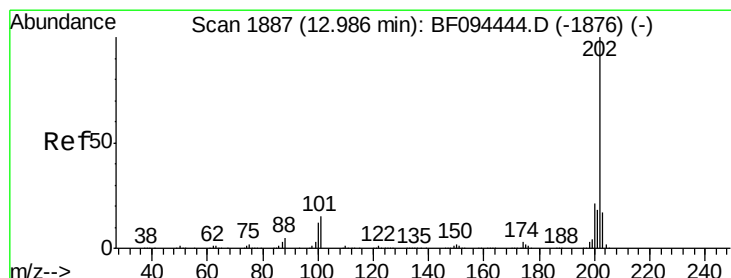
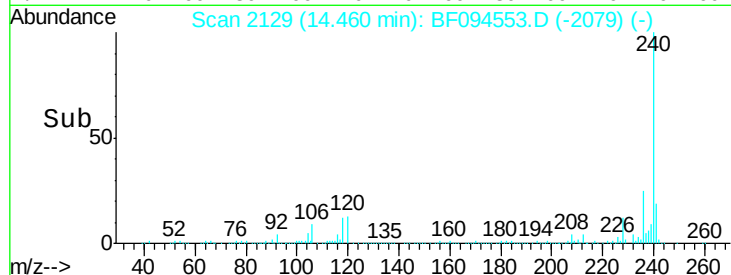
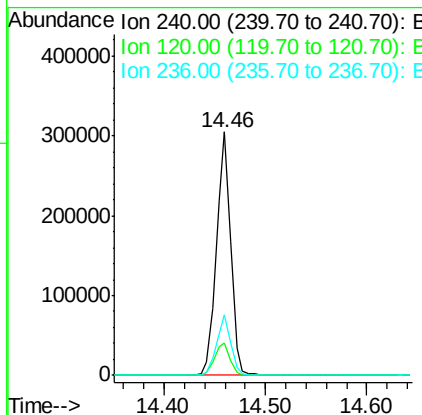
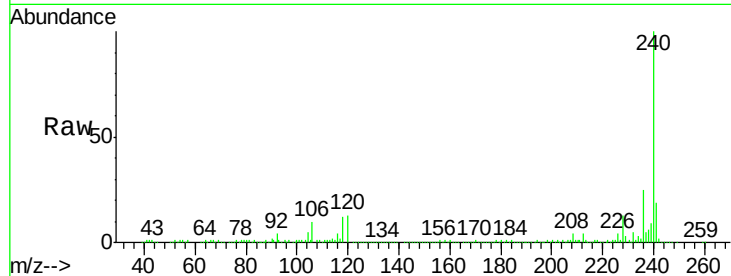
ClientSampleId :

SB-1(0-2)20170418

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	24.7	20.5	30.7

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#77

Pyrene

Concen: 26.33 ng

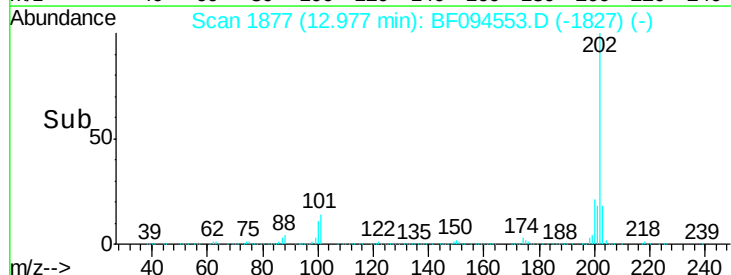
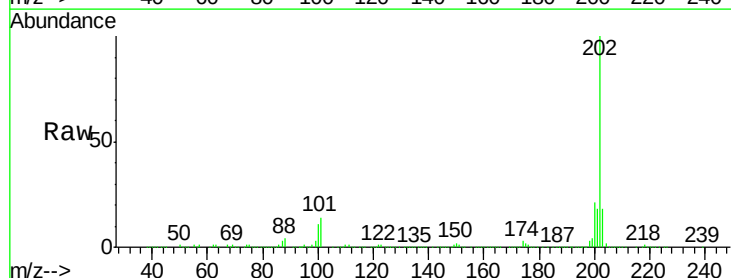
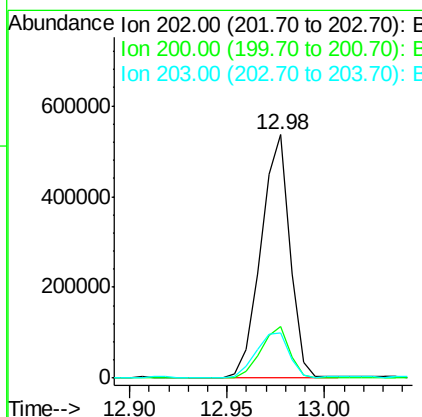
RT: 12.98 min Scan# 1877

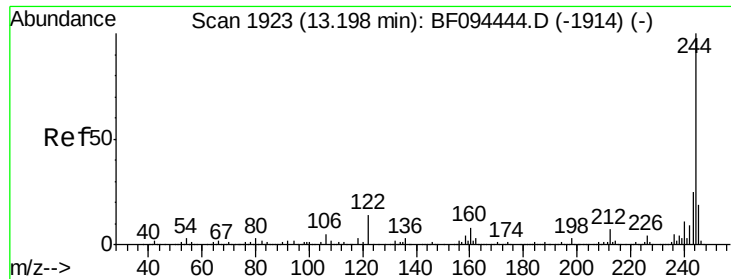
Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	18.4	14.4	21.6





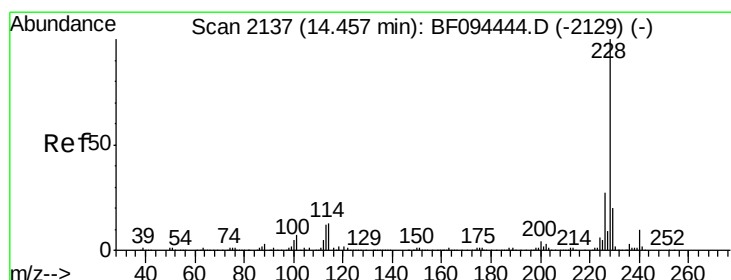
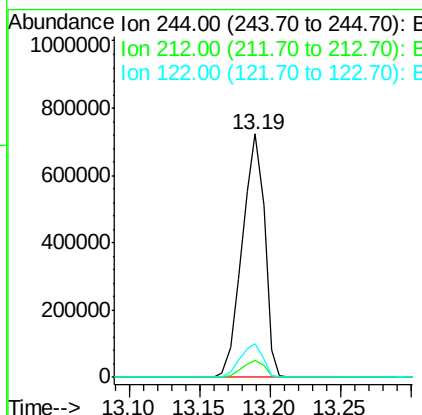
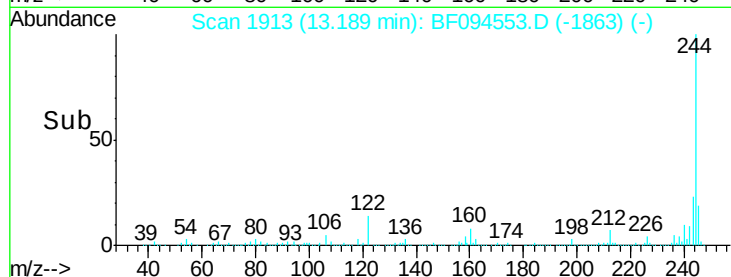
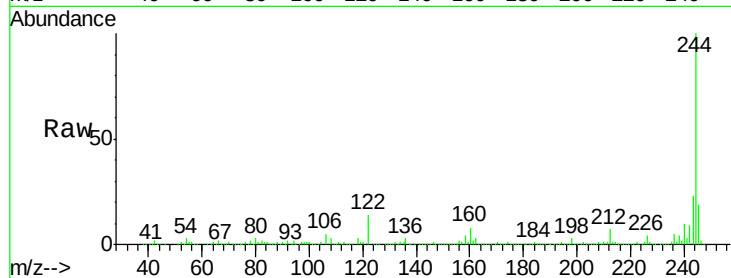
#78
 Terphenyl-d14
 Concen: 71.90 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)20170418

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.1	10.3	15.5

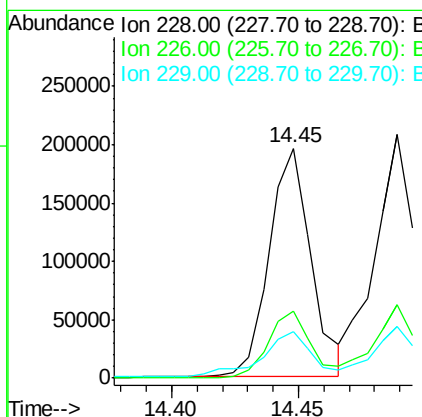
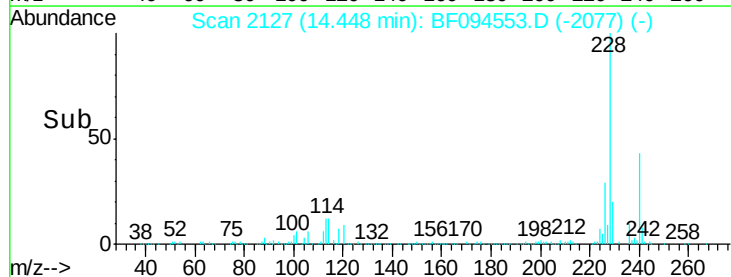
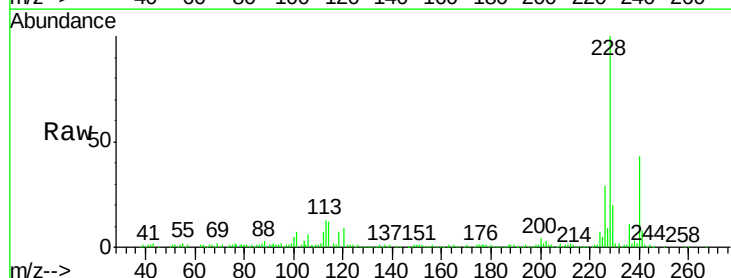
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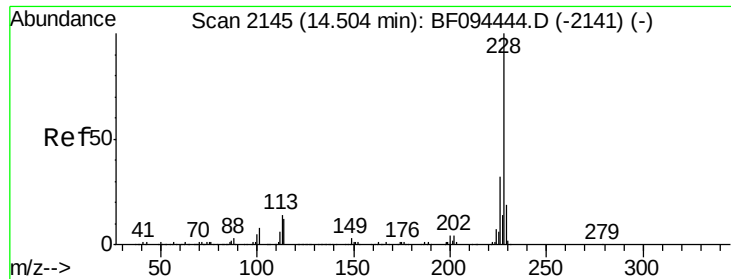
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#80
 Benzo(a)anthracene
 Concen: 13.07 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BF094553.D
 Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	20.4	16.3	24.5





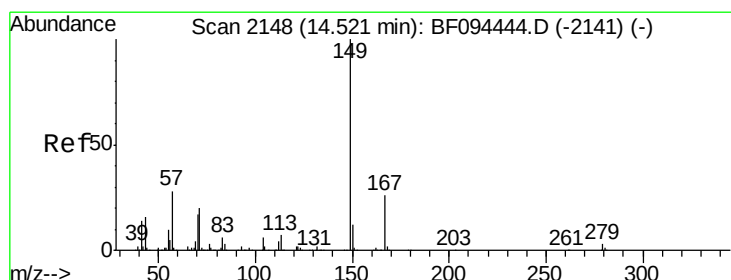
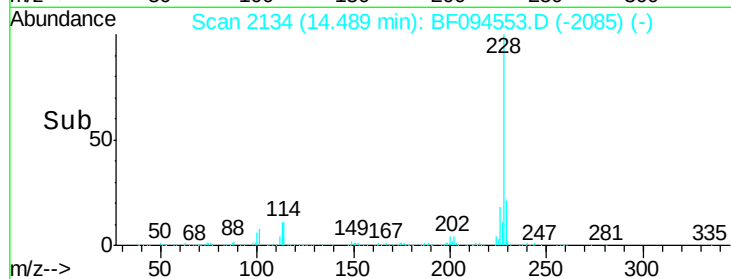
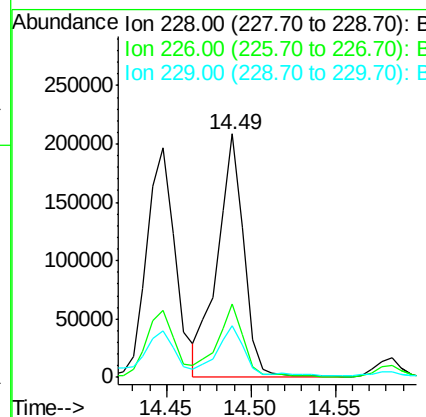
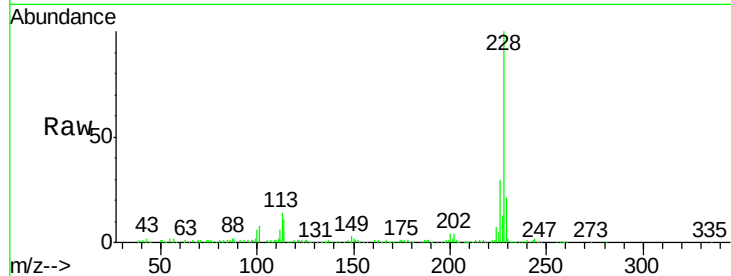
#82
Chrysene
Concen: 14.22 ng
RT: 14.49 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170418

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	21.4	15.8	23.6

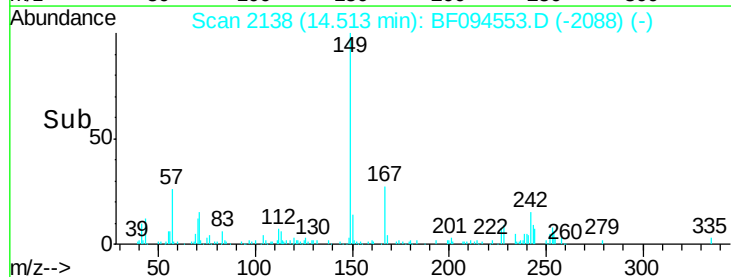
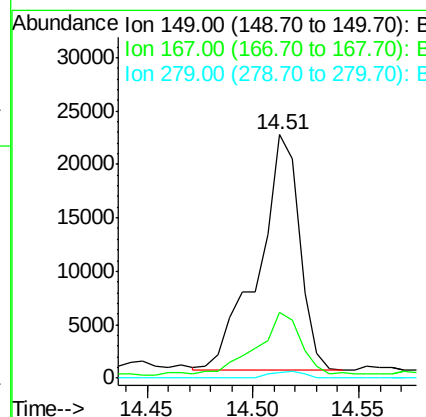
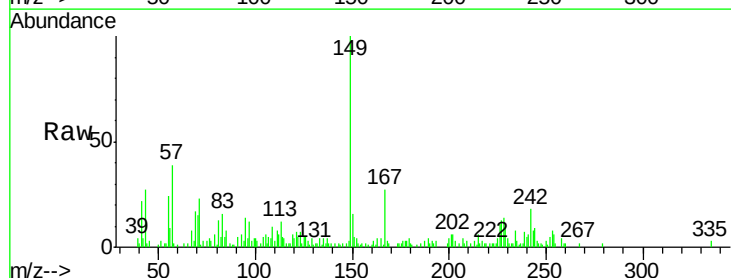
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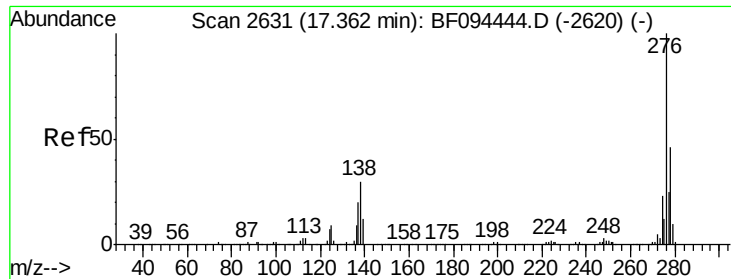
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.44 ng
RT: 14.51 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.0	31.4
279	2.0	1.9	2.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.25 ng

RT: 17.35 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

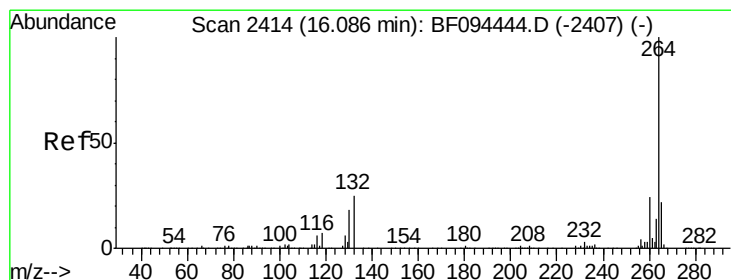
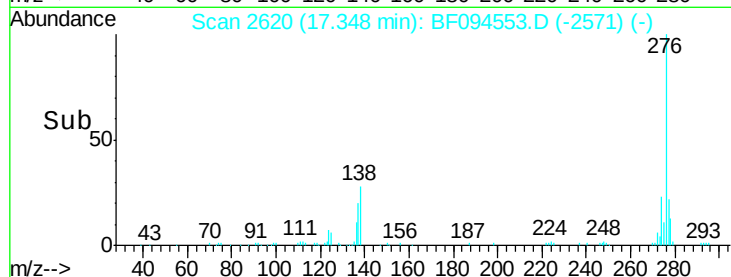
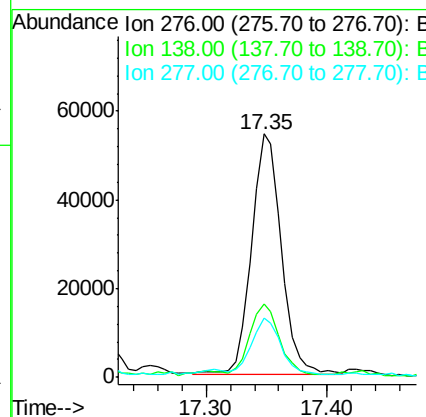
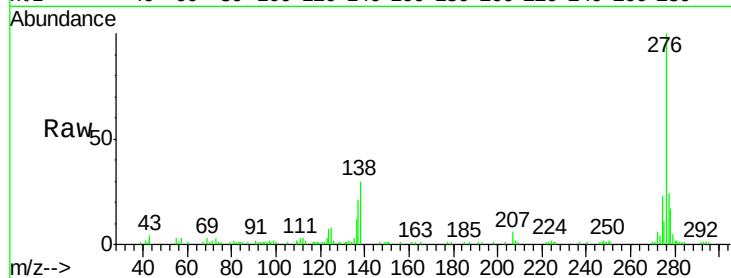
ClientSampleId :

SB-1(0-2)20170418

Tot Ion:	276	Resp:	94335
Ion Ratio	Lower	Upper	
276	100		
138	29.4	27.8	41.6
277	22.9	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

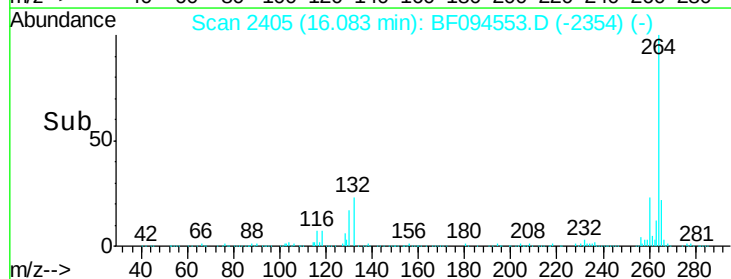
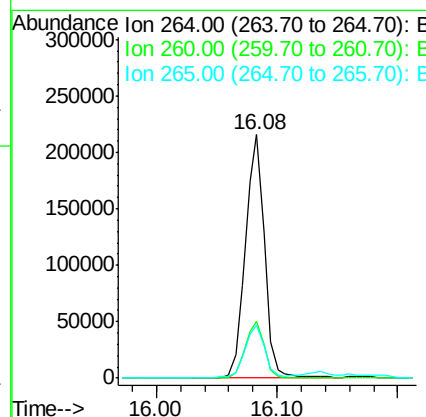
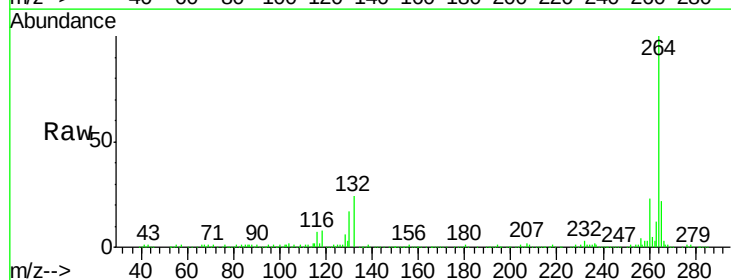
RT: 16.08 min Scan# 2405

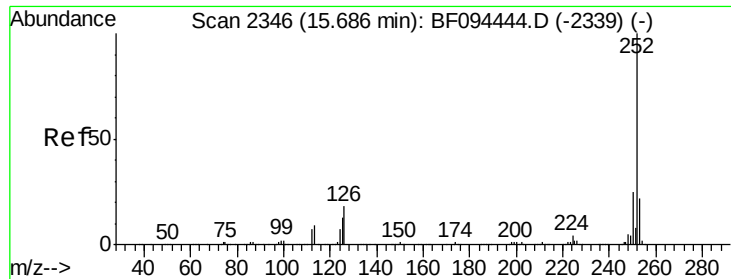
Delta R.T. -0.00 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Tgt Ion:	264	Resp:	240348
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 14.88 ng m

RT: 15.68 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Instrument :

BNA_F

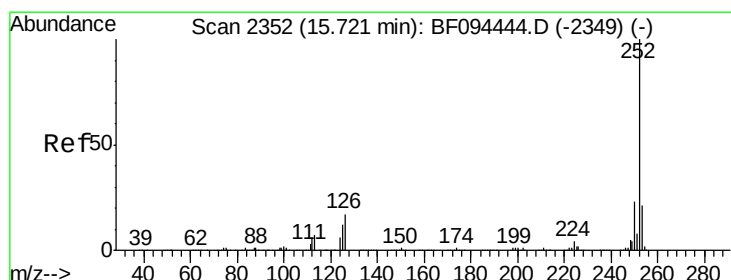
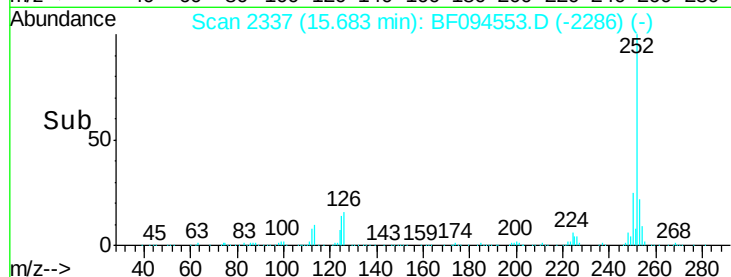
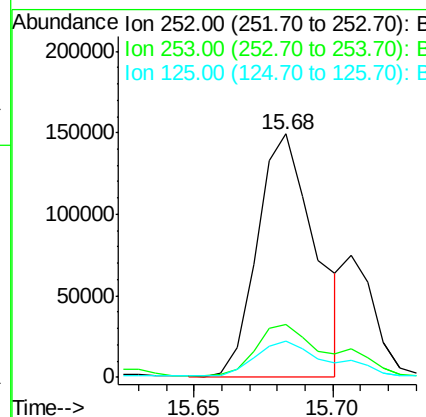
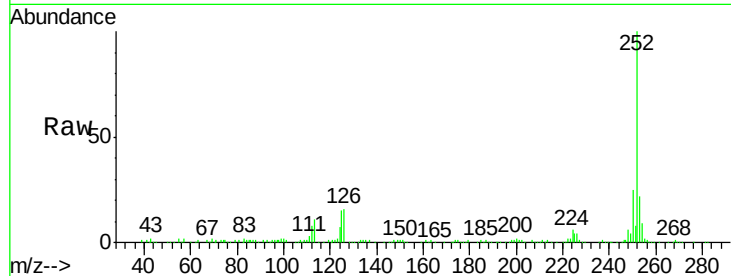
ClientSampleId :

SB-1(0-2)20170418

Tot Ion:	252	Resp:	218790
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.1	27.1
125	14.7	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 4.32 ng m

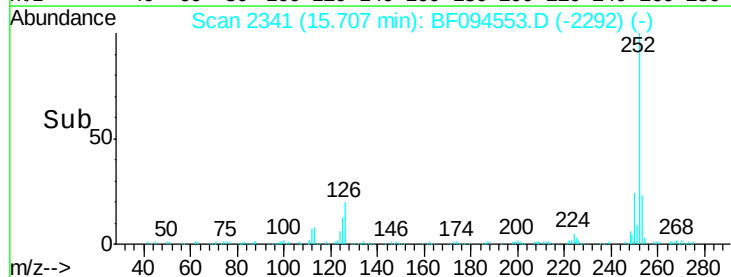
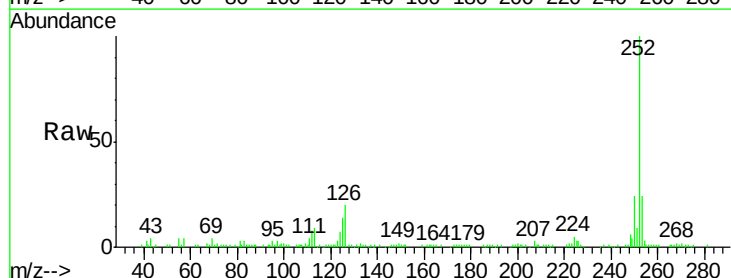
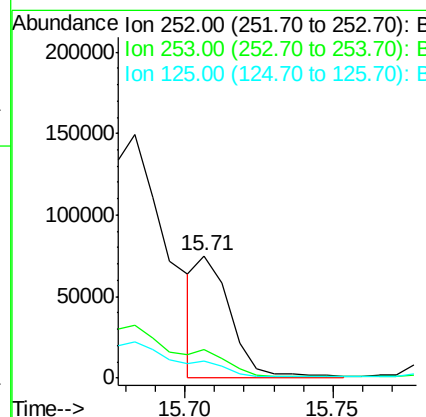
RT: 15.71 min Scan# 2341

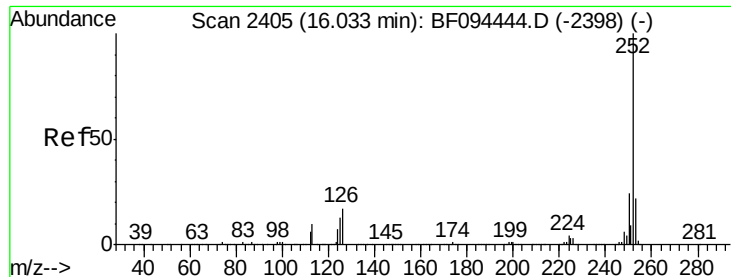
Delta R.T. -0.01 min

Lab File: BF094553.D

Acq: 20 Apr 2017 19:10

Tgt Ion:	252	Resp:	60084
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.4	27.6
125	14.2	13.1	19.7





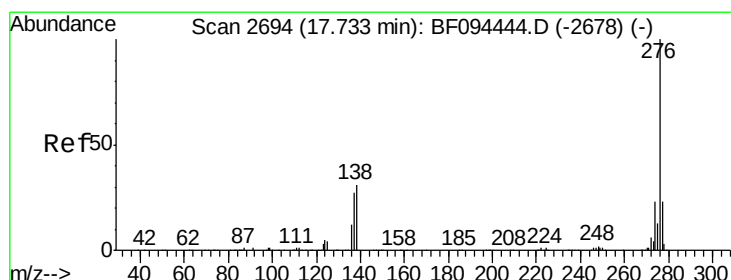
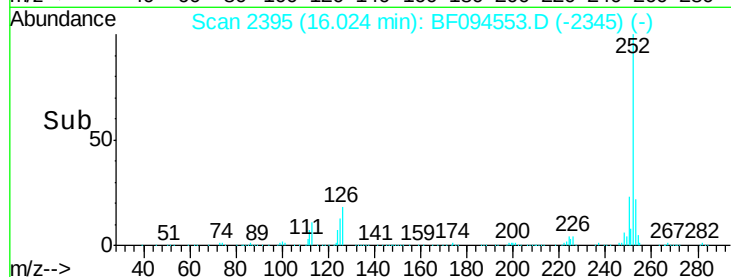
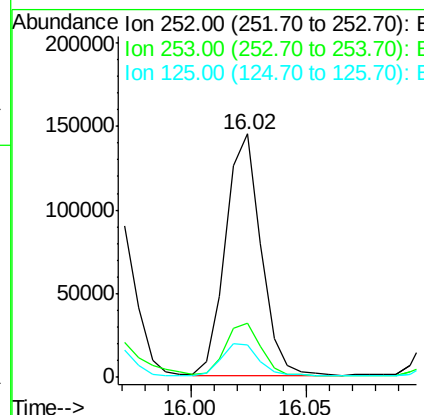
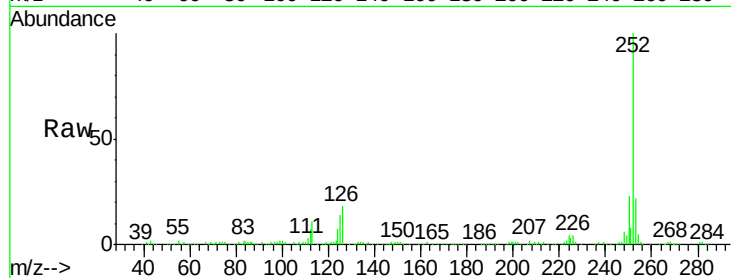
#89
Benzo(a)pyrene
Concen: 11.24 ng
RT: 16.02 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170418

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	13.5	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 7.93 ng
RT: 17.72 min Scan# 2683
Delta R.T. -0.01 min
Lab File: BF094553.D
Acq: 20 Apr 2017 19:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	28.6	25.4	38.0

