

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
 Data File : BF096446.D
 Acq On : 3 Jul 2017 17:34
 Operator : SJ/MA
 Sample : I3950-02RE 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4-2-4RE

Manual Integrations
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 7/5/2017 11:41:30 AM

Quant Time: Jul 04 01:53:43 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	109602	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	463440	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	165300	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	236145	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	205875	20.00	ng	-0.01
86) Perylene-d12	15.29	264	126329	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	401752	54.10	ng	-0.02
7) Phenol-d6	6.36	99	426924	46.77	ng	-0.02
23) Nitrobenzene-d5	7.28	82	245666	31.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	63673	49.31	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	441109	45.63	ng	-0.02
78) Terphenyl-d14	12.82	244	300004	31.14	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.03	128	60611	2.770	ng	98
37) 2-Methylnaphthalene	8.72	142	46466	3.336	ng	98
49) Dimethylphthalate	9.47	163	71557	5.799	ng	# 99
54) Dibenzofuran	9.96	168	27375	2.011	ng	# 94
70) Phenanthrene	11.26	178	224364	17.576	ng	97
71) Anthracene	11.31	178	58911	4.529	ng	98
74) Fluoranthene	12.45	202	233556	18.661	ng	98
77) Pyrene	12.67	202	214687	12.992	ng	99
80) Benzo(a)anthracene	13.86	228	83668	7.018	ng	94
82) Chrysene	13.89	228	91025m	7.291	ng	
85) Indeno(1,2,3-cd)pyrene	16.66	276	28955	2.938	ng	95
87) Benzo(b)fluoranthene	14.88	252	73559m	9.293	ng	
88) Benzo(k)fluoranthene	14.90	252	26000m	3.672	ng	
89) Benzo(a)pyrene	15.23	252	42991	6.083	ng	# 82
91) Benzo(g,h,i)perylene	17.07	276	28217	4.898	ng	# 87

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

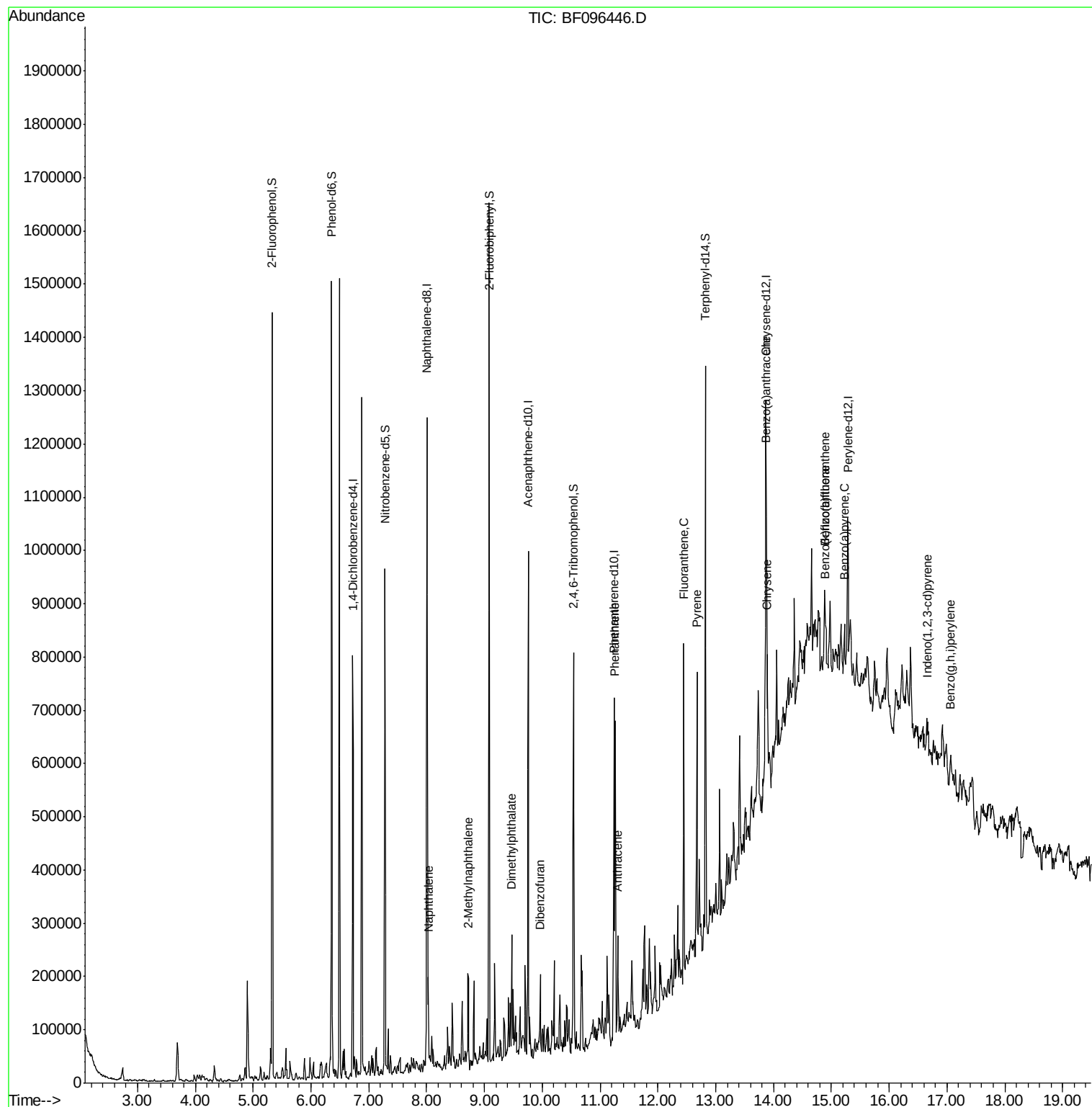
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096446.D
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ALS Vial : 17 Sample Multiplier: 1

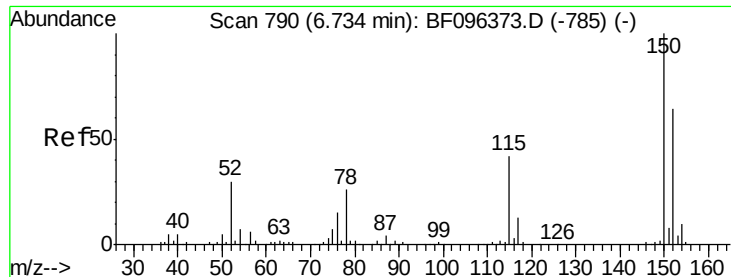
Instrument :
BNA_F
ClientSampleId :
B4-2-4RE

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#1

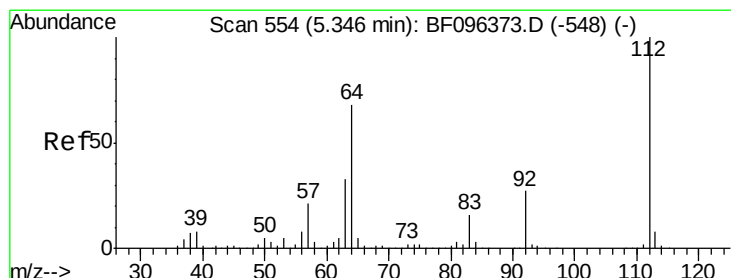
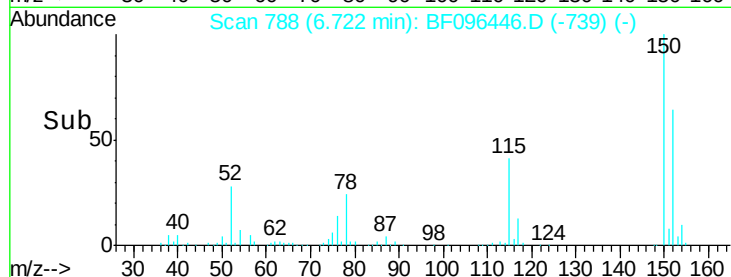
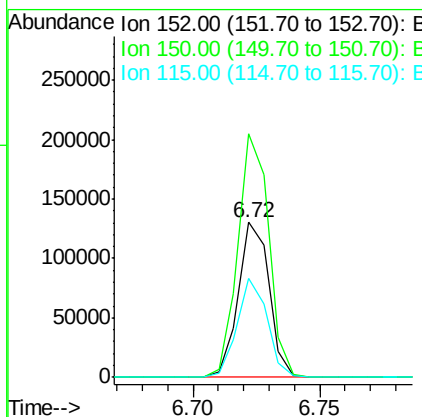
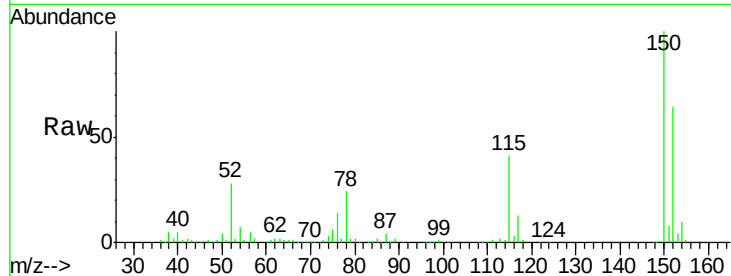
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampleId :
B4-2-4RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	63.9	52.2	78.2

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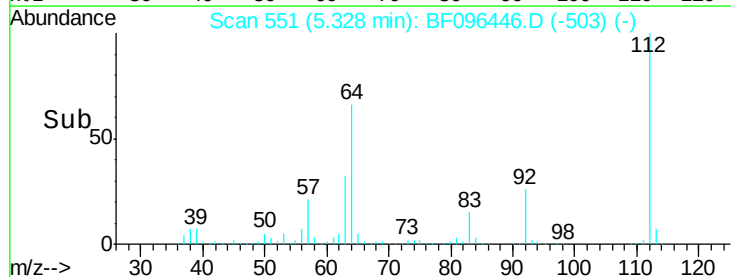
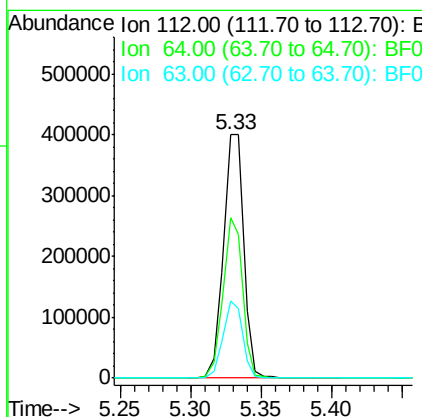
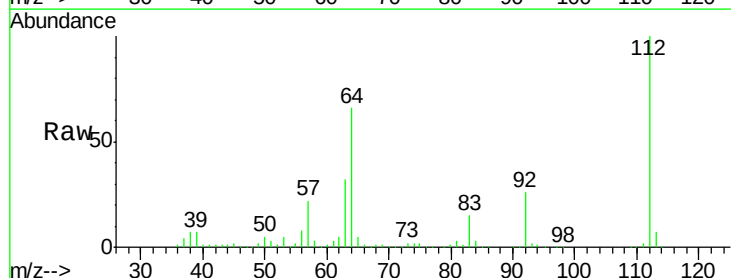
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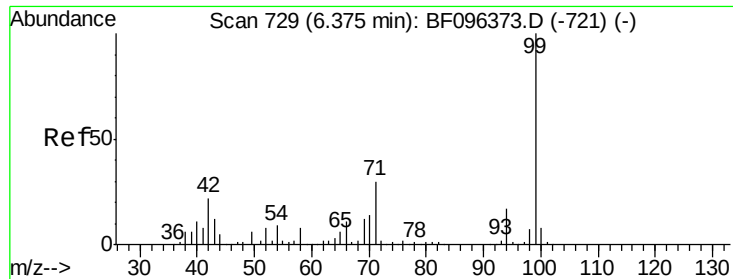


#5

2-Fluorophenol
Concen: 54.102 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	46.0	69.0
63	31.9	23.4	35.0





#7

Phenol-d6

Concen: 46.766 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA_F

ClientSampleId :

B4-2-4RE

Tgt Ion: 99 Resp: 426924

Ion Ratio Lower Upper

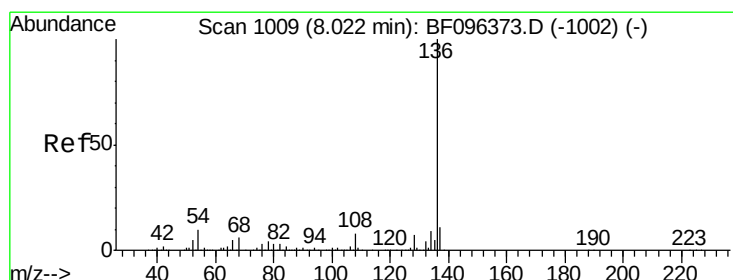
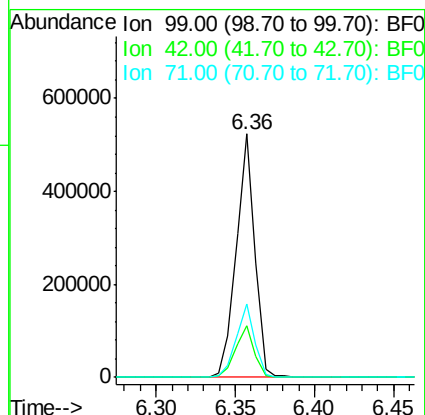
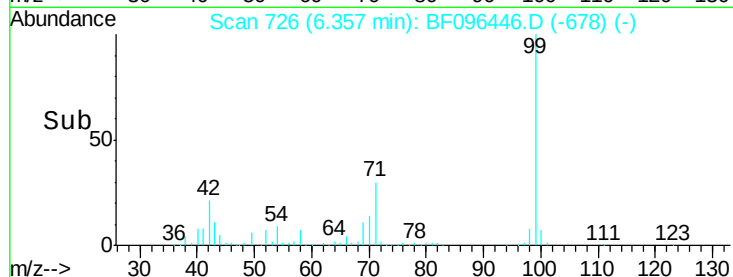
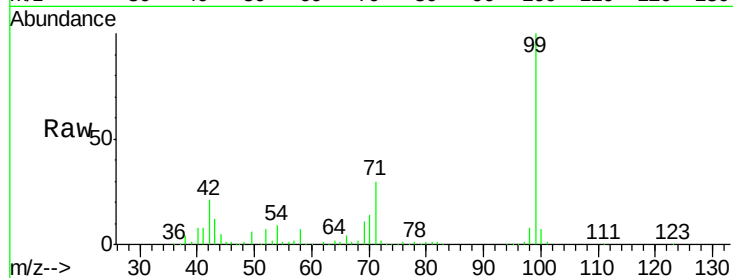
99 100

42 21.3 13.5 20.3#

71 30.4 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Tgt Ion: 136 Resp: 463440

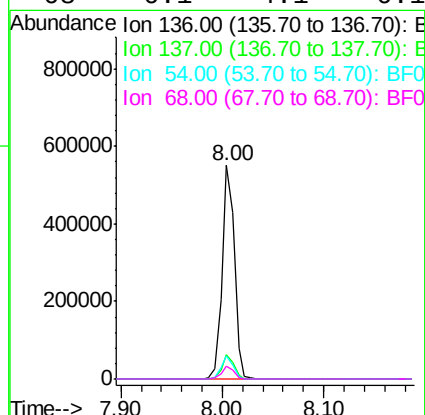
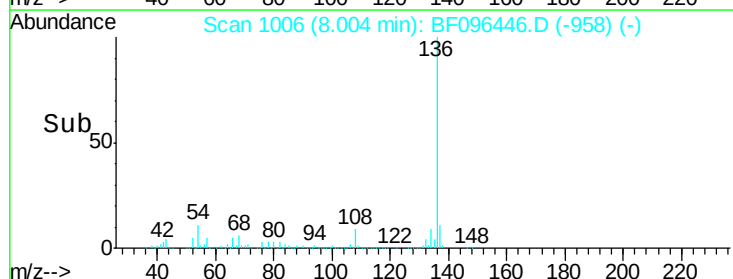
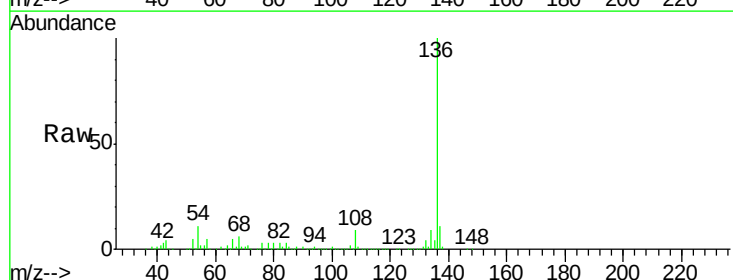
Ion Ratio Lower Upper

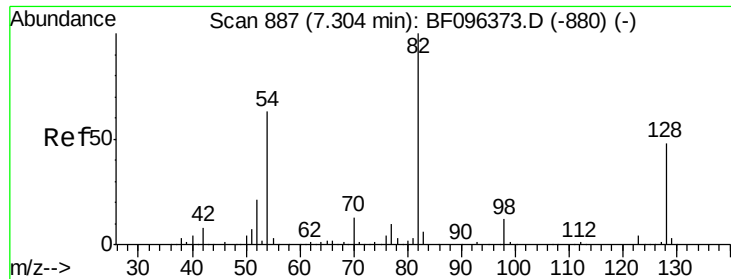
136 100

137 11.1 8.5 12.7

54 11.0 4.9 7.3#

68 6.1 4.1 6.1





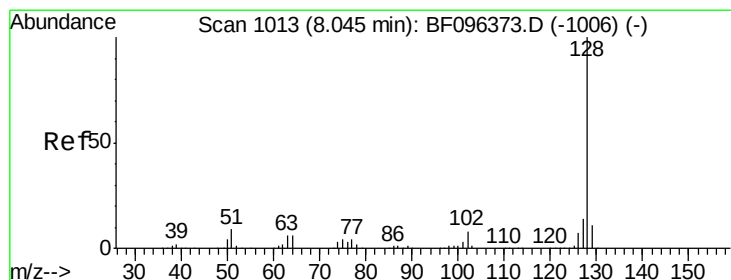
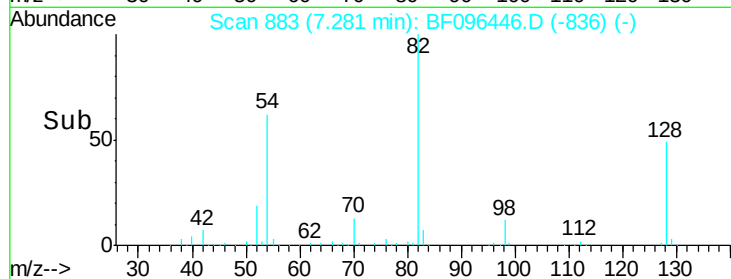
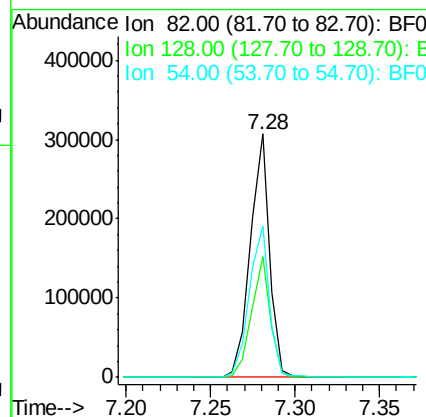
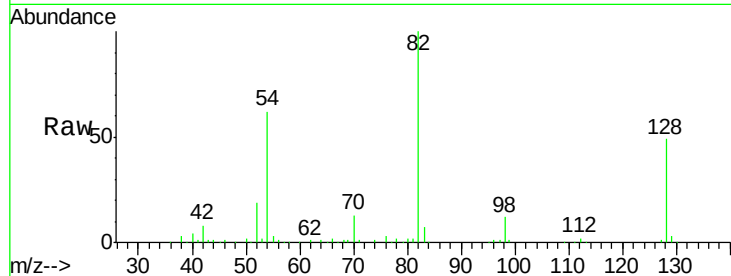
#23
 Nitrobenzene-d5
 Concen: 31.854 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Instrument :
 BNA_F
 ClientSampled :
 B4-2-4RE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	245666		
128	49.4	34.0	51.0	
54	62.4	42.2	63.2	

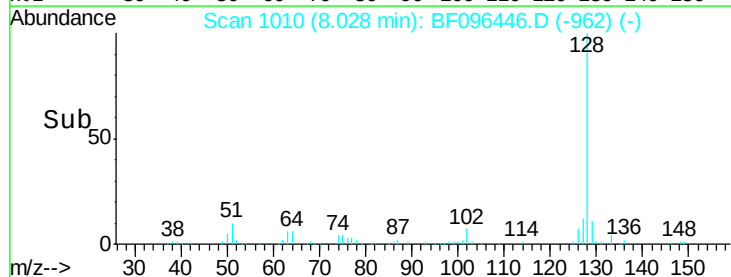
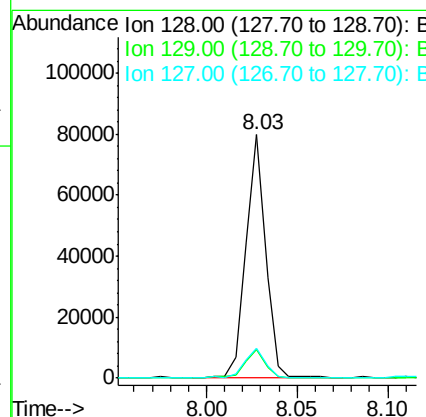
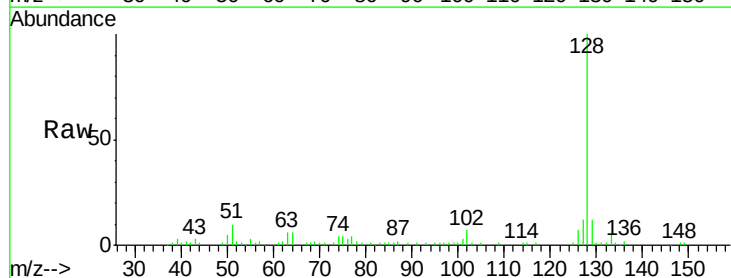
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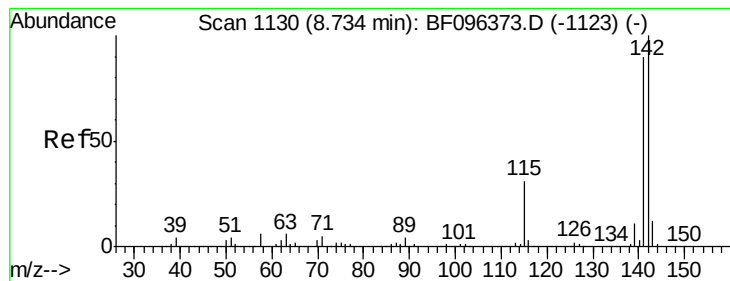
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#31
 Naphthalene
 Concen: 2.770 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	60611		
129	11.9	9.0	13.6	
127	12.3	10.8	16.2	





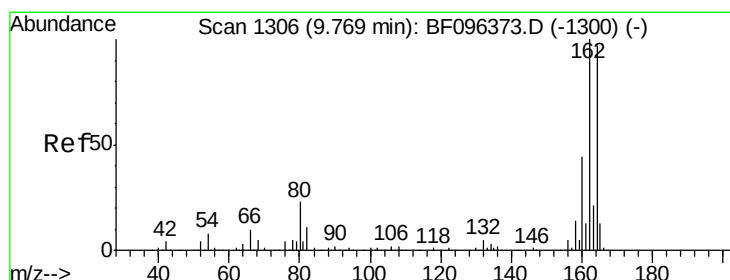
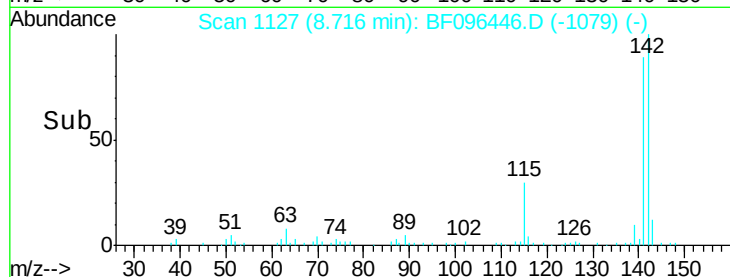
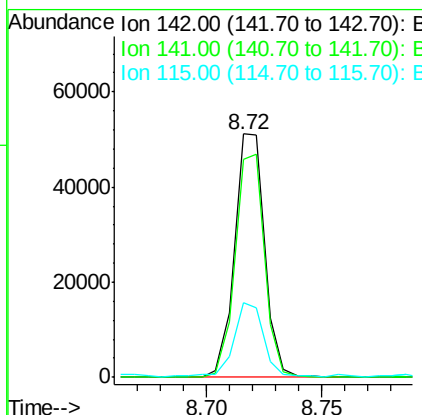
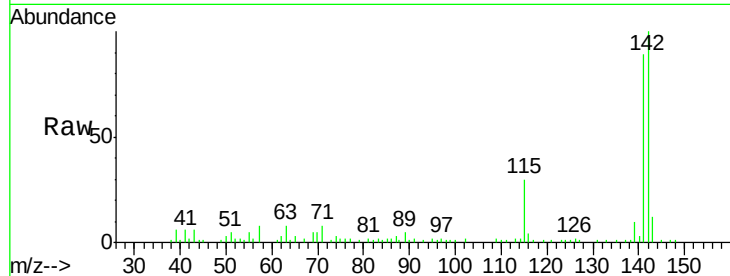
#37
2-Methylnaphthalene
Concen: 3.336 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampleId :
B4-2-4RE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.3	106.9
115	30.5	27.1	40.7

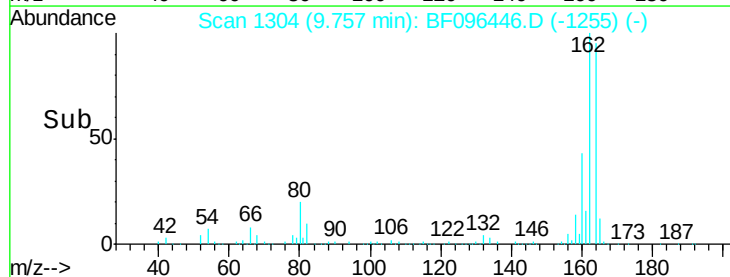
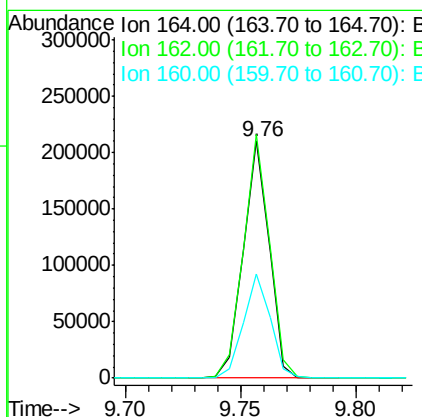
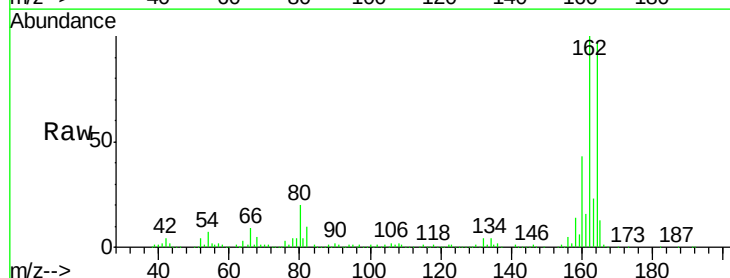
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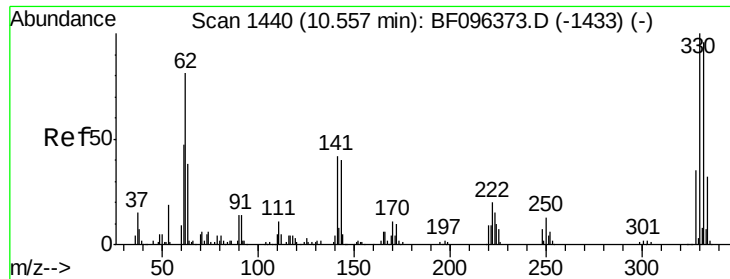
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.6	123.8
160	44.1	36.2	54.2





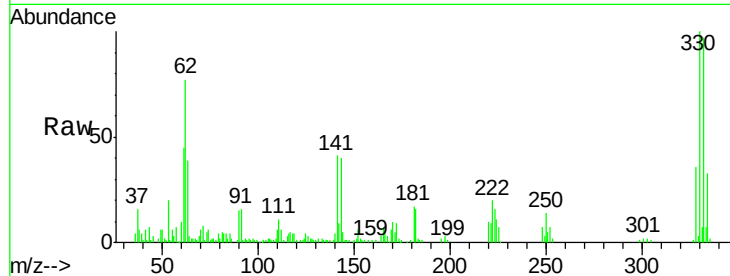
#41
 2,4,6-Tribromophenol
 Concen: 49.313 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Instrument :
 BNA_F
 ClientSampleId :
 B4-2-4RE

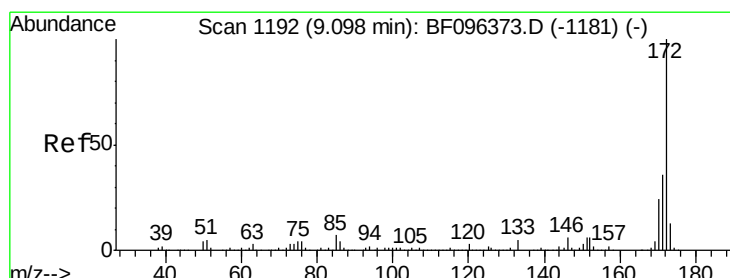
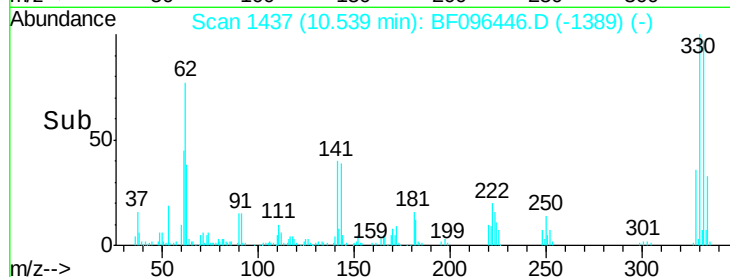
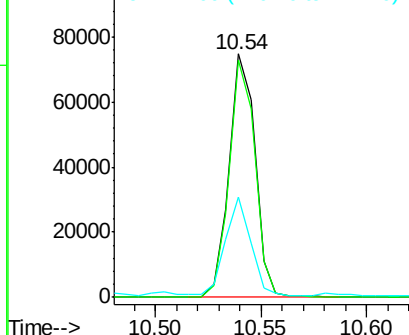
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	63673		
332	96.1	76.6	115.0	
141	39.2	31.4	47.2	

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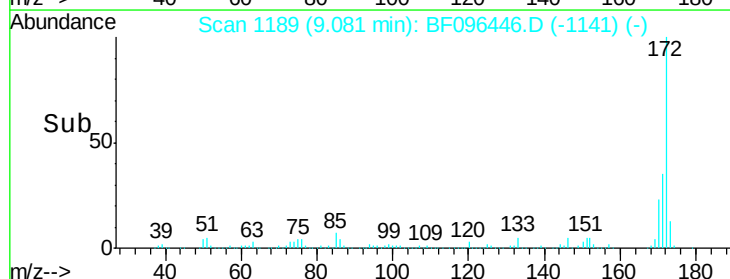
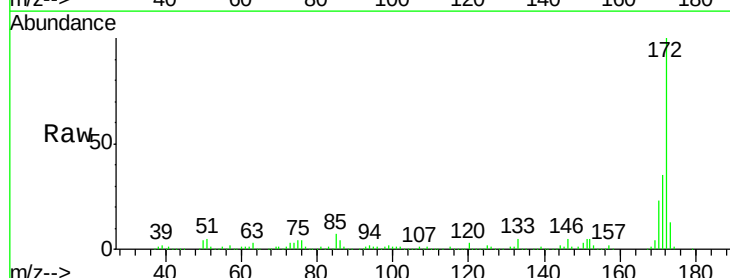
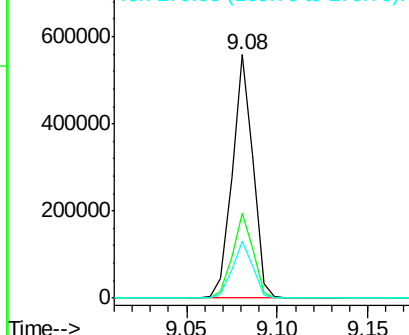
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

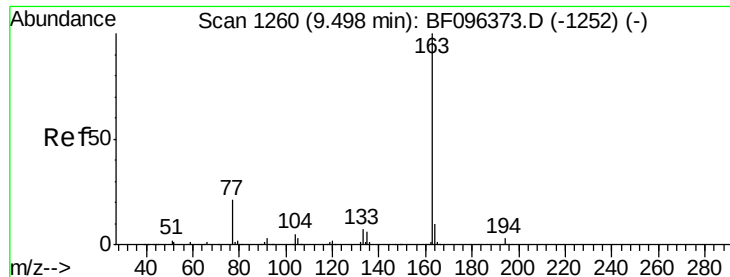


#44
 2-Fluorobiphenyl
 Concen: 45.626 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	441109		
171	34.9	29.6	44.4	
170	23.5	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





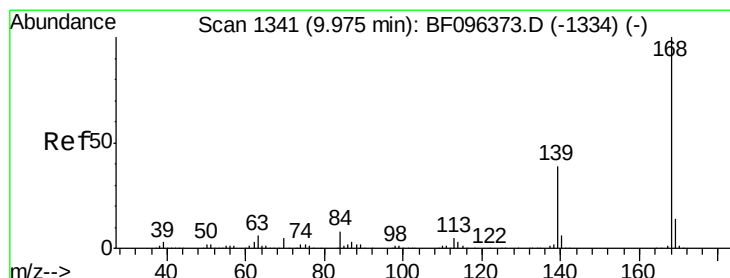
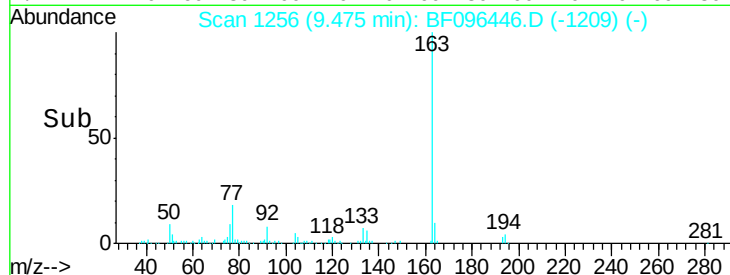
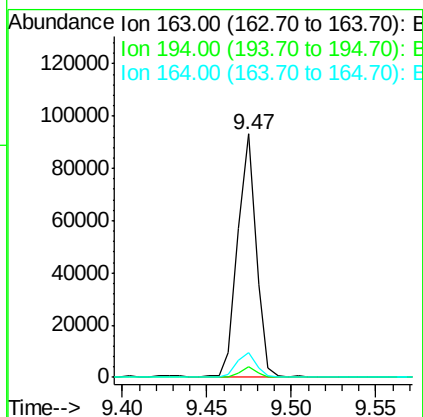
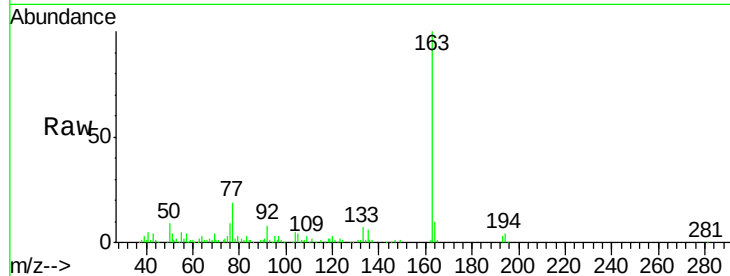
#49
Dimethylphthalate
Concen: 5.799 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampleId :
B4-2-4RE

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.6	4.0#
164	10.2	8.4	12.6

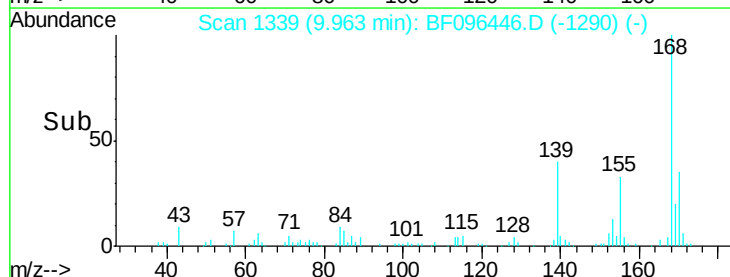
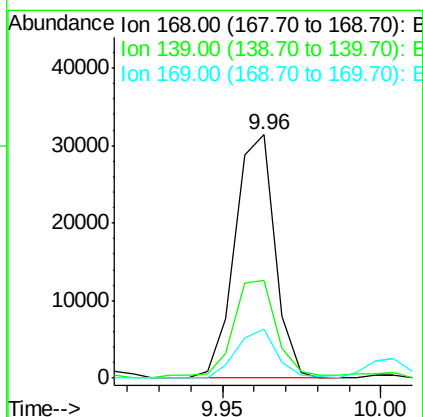
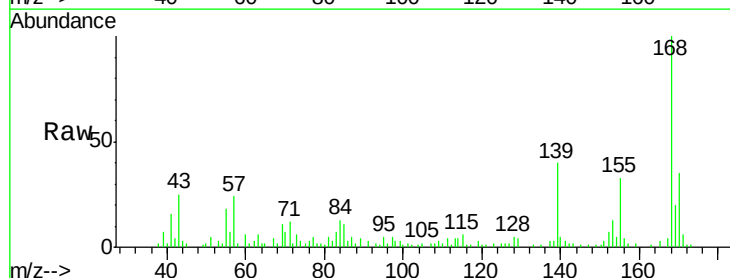
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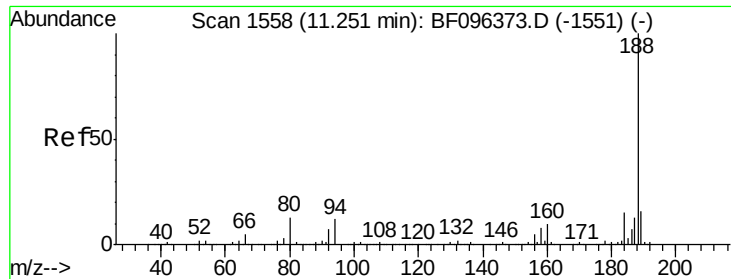
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#54
Dibenzofuran
Concen: 2.011 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.9	30.6	45.8
169	19.9	10.8	16.2#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA_F

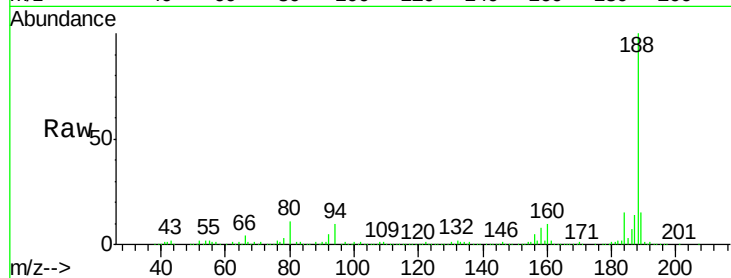
ClientSampleId :

B4-2-4RE

Tgt Ion:	188	Resp:	236145
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	10.8	10.2	15.2

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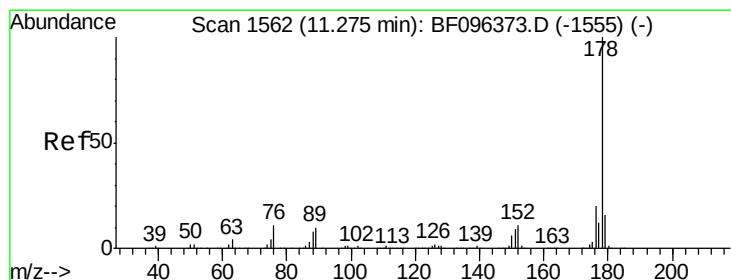
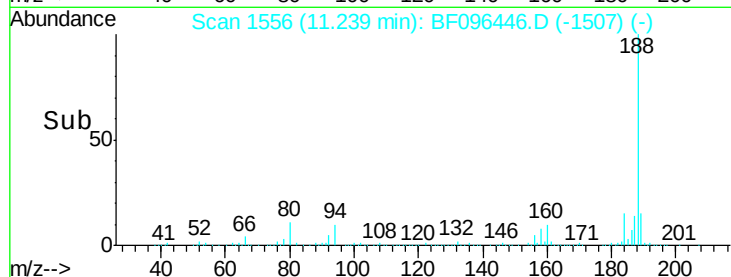
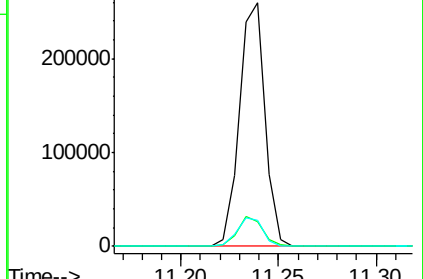
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 17.576 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF096446.D

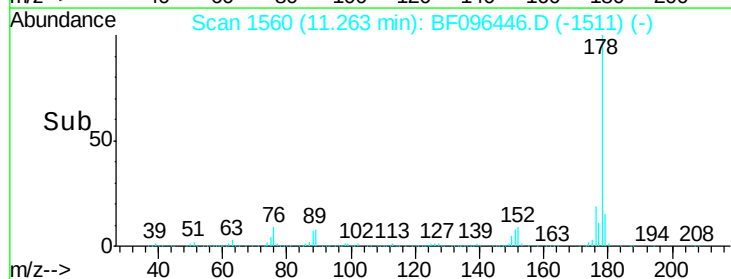
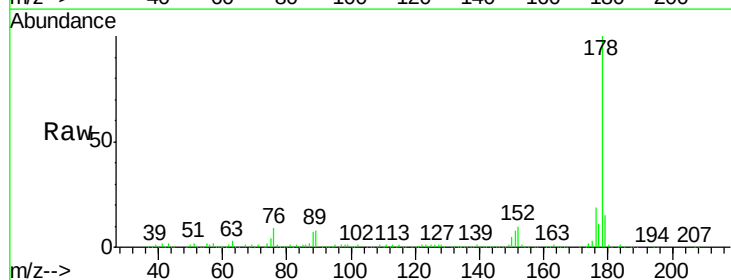
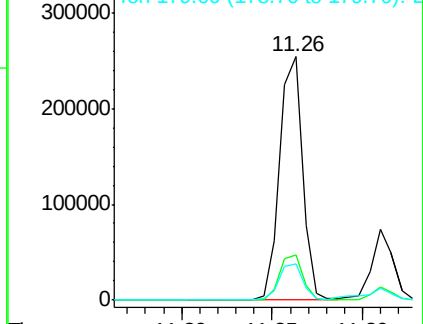
Acq: 3 Jul 2017 17:34

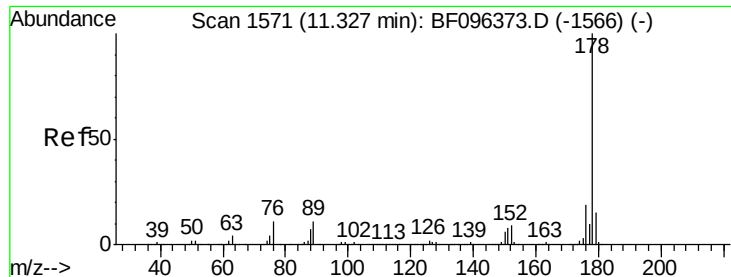
Tgt Ion:	178	Resp:	224364
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.2	24.4
179	15.1	12.6	19.0

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





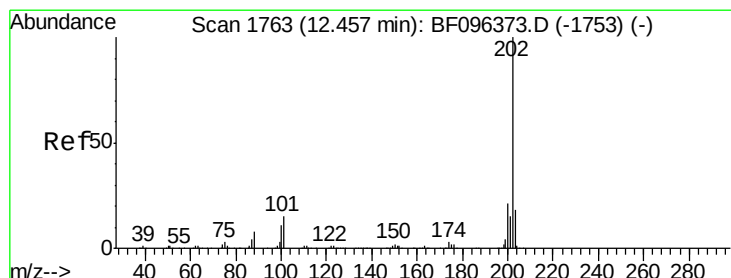
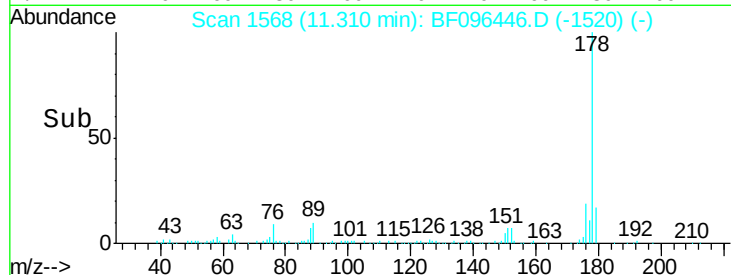
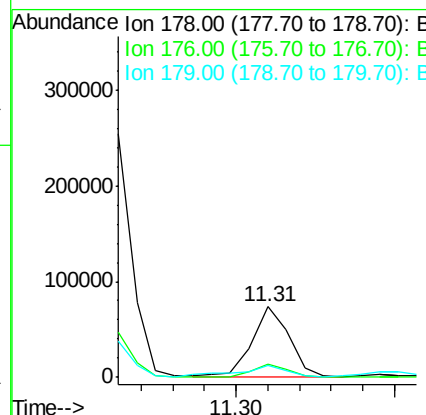
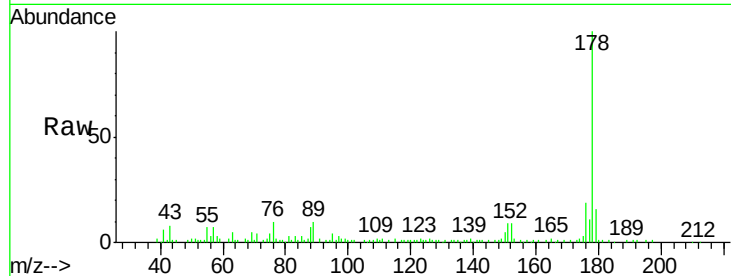
#71
 Anthracene
 Concen: 4.529 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Instrument :
 BNA_F
 ClientSampleId :
 B4-2-4RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.5	12.7	19.1

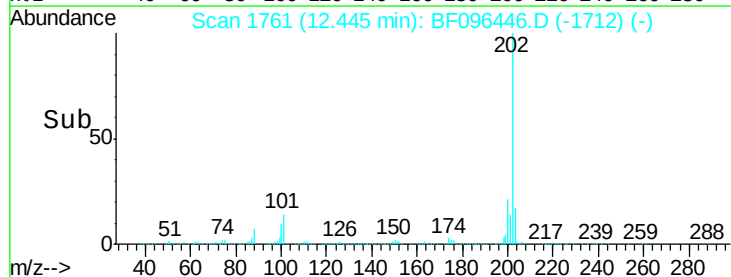
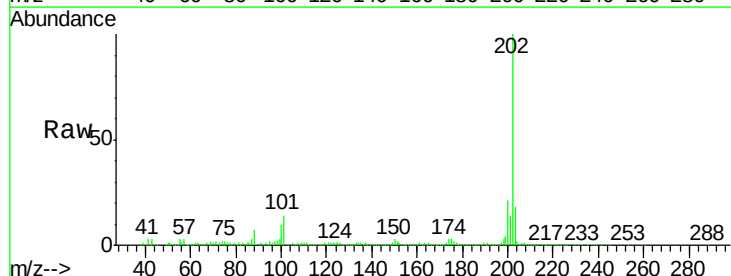
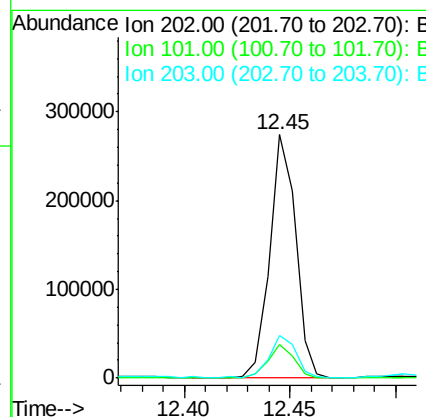
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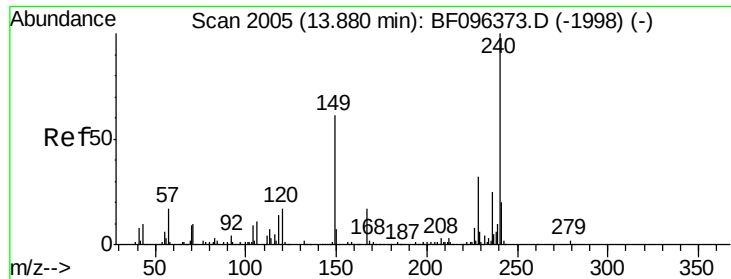
mohammad
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#74
 Fluoranthene
 Concen: 18.661 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA_F

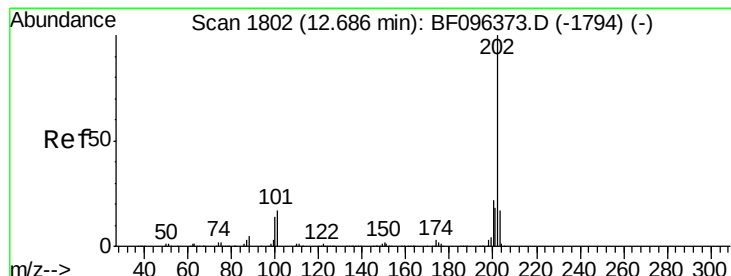
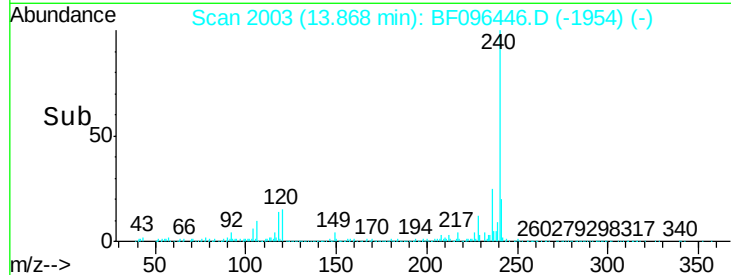
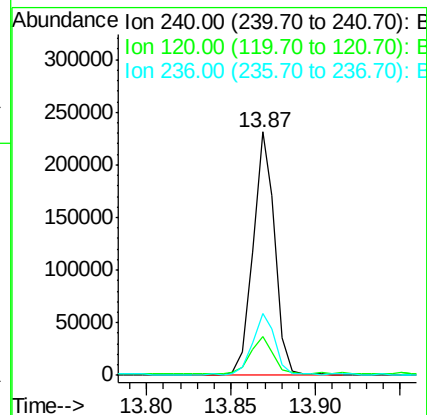
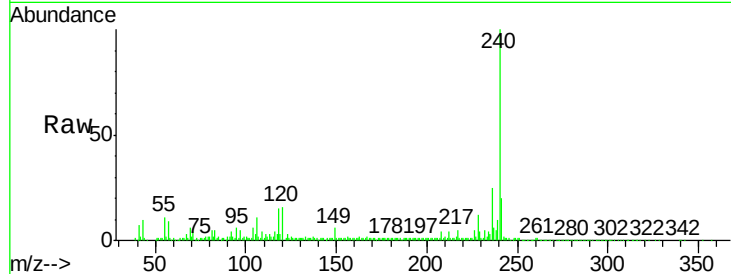
ClientSampleId :

B4-2-4RE

Tgt Ion:240 Resp: 205875
 Ion Ratio Lower Upper
 240 100
 120 16.2 5.8 8.8#
 236 25.4 20.5 30.7

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#77

Pyrene

Concen: 12.992 ng

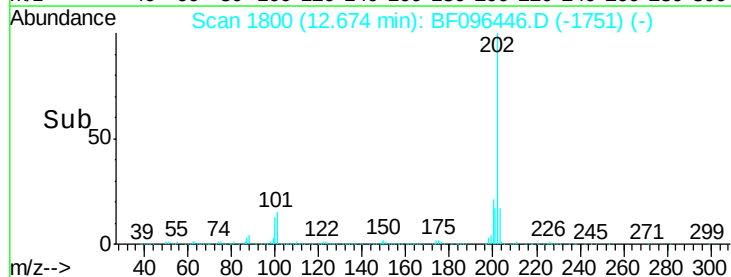
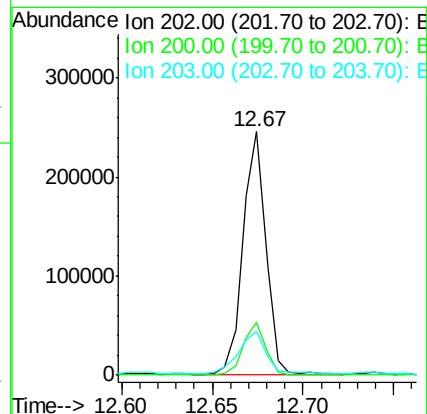
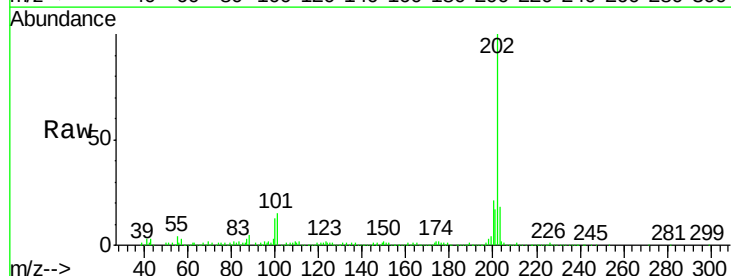
RT: 12.67 min Scan# 1800

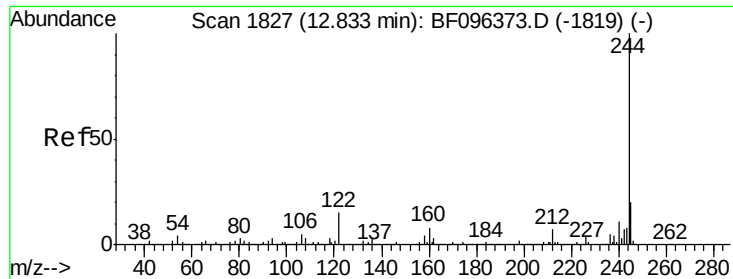
Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Tgt Ion:202 Resp: 214687
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.6 26.4
 203 18.1 14.4 21.6





#78

Terphenyl-d14

Concen: 31.138 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA_F

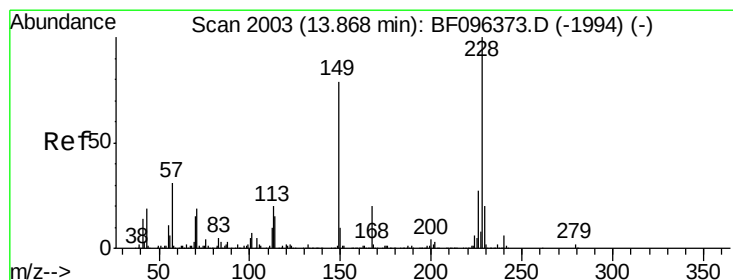
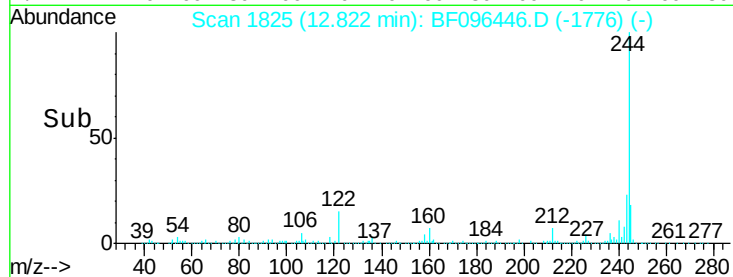
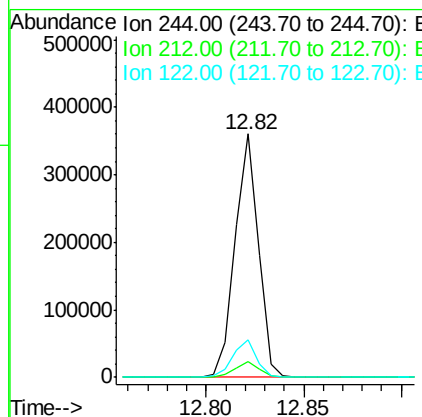
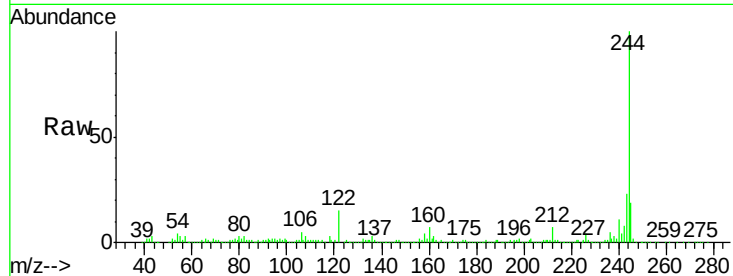
ClientSampleId :

B4-2-4RE

Tgt Ion:	244	Resp:	300004
Ion Ratio		Lower	Upper
244	100		
212	6.5	6.0	9.0
122	15.2	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 7.018 ng

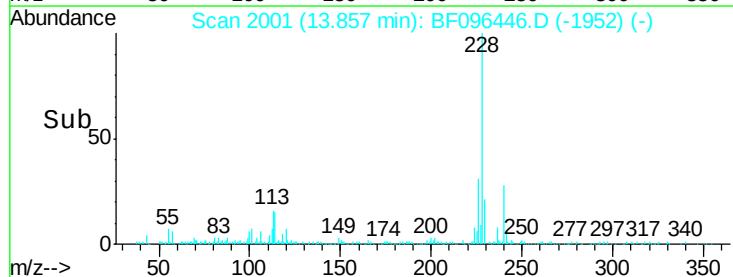
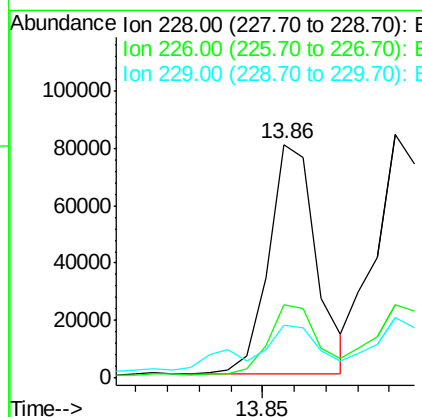
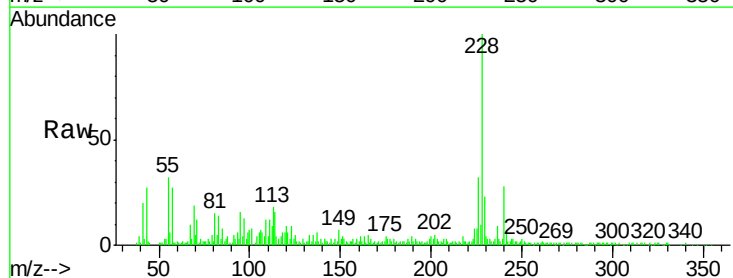
RT: 13.86 min Scan# 2001

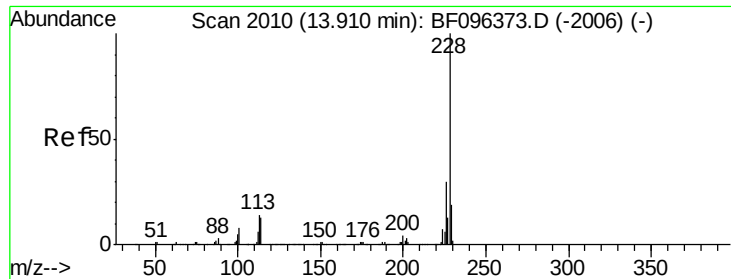
Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Tgt Ion:	228	Resp:	83668
Ion Ratio		Lower	Upper
228	100		
226	31.6	22.6	33.8
229	22.7	16.3	24.5





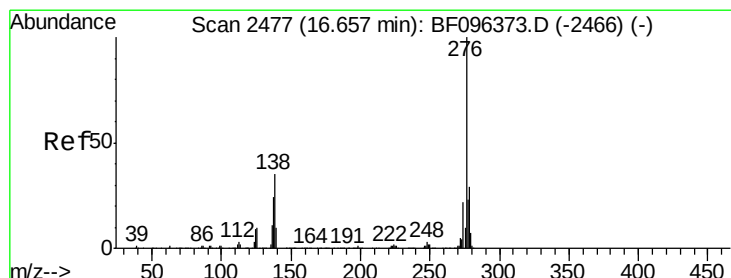
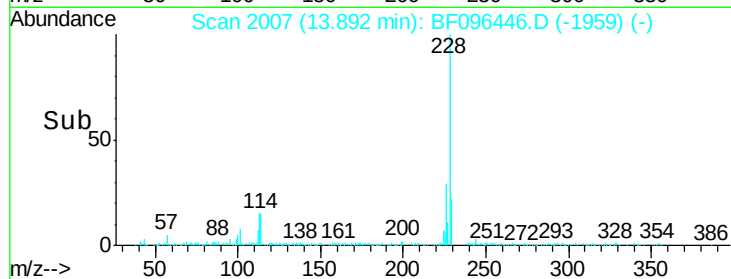
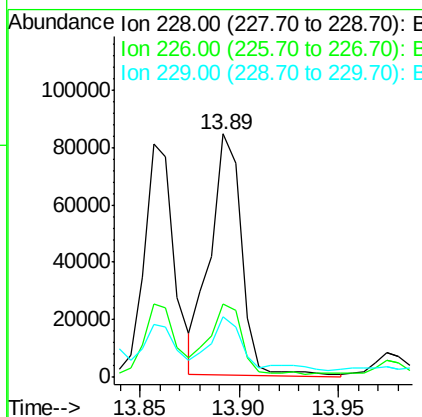
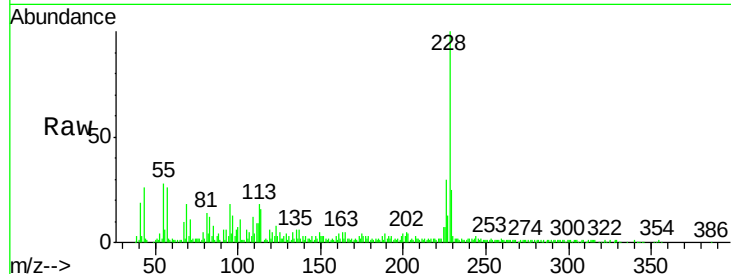
#82
Chrysene
Concen: 7.291 ng m
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampleId :
B4-2-4RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	25.0	15.8	23.6

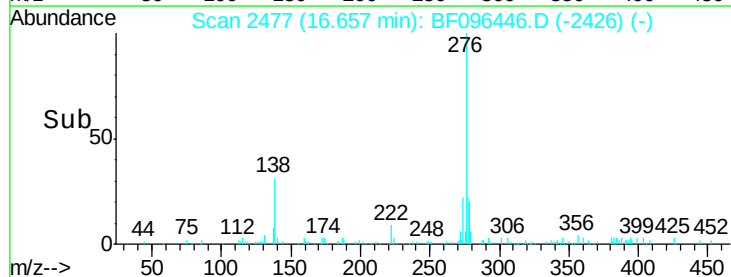
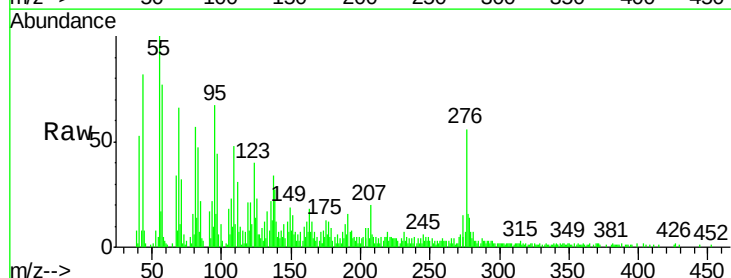
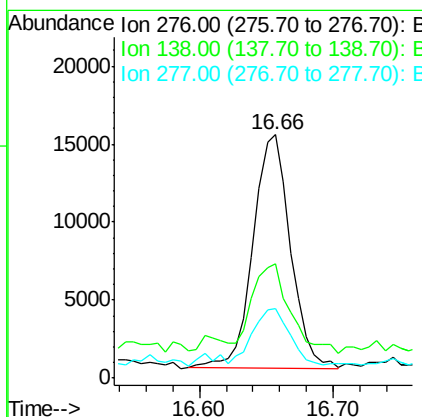
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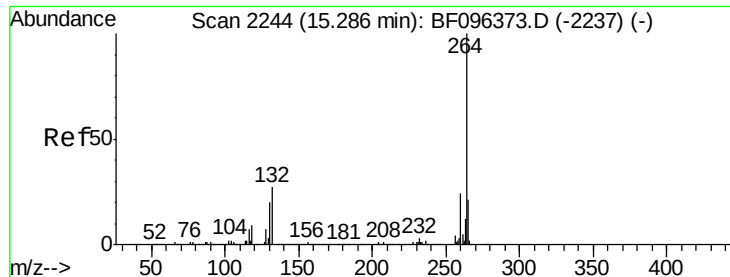
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.938 ng
RT: 16.66 min Scan# 2477
Delta R.T. 0.00 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.1	27.8	41.6
277	24.2	20.2	30.4





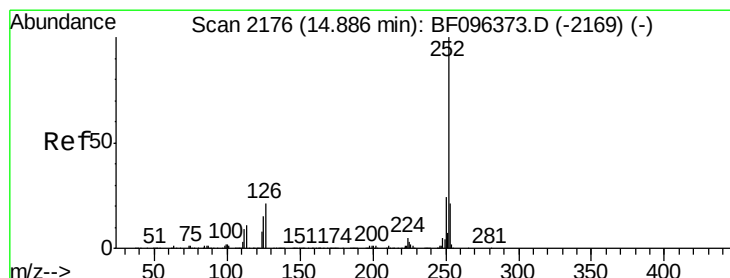
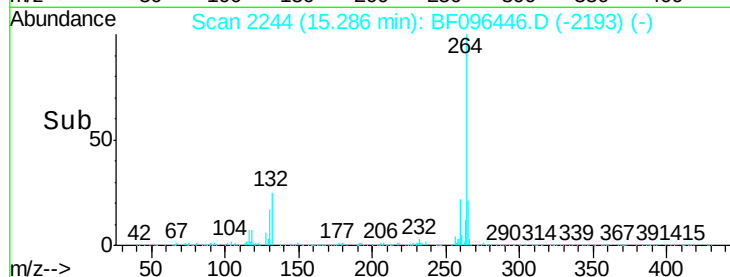
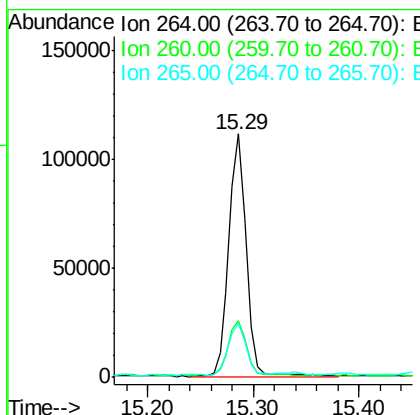
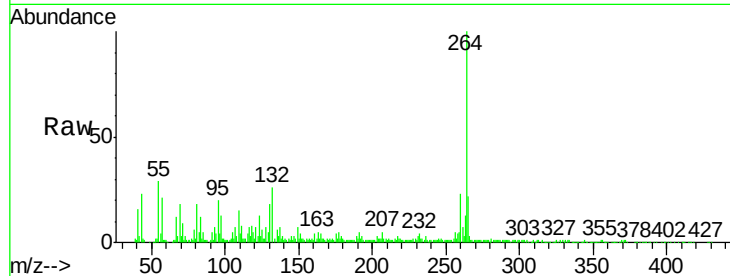
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Instrument :
BNA_F
ClientSampleId :
B4-2-4RE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.1	17.2	25.8

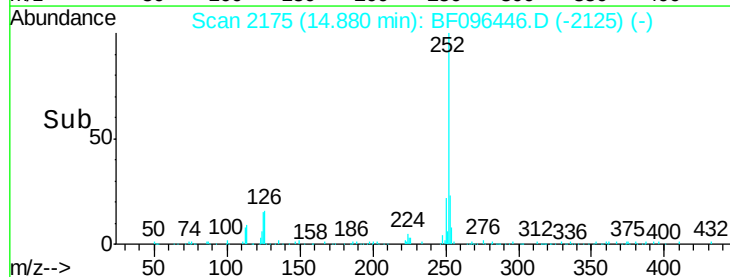
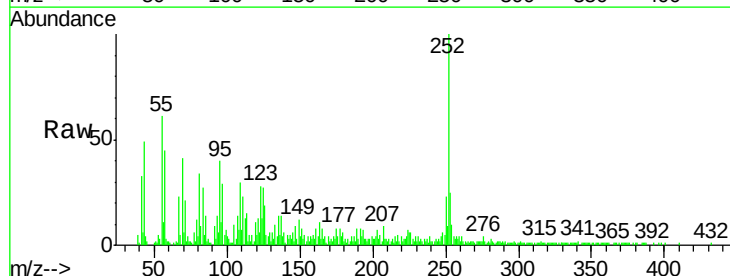
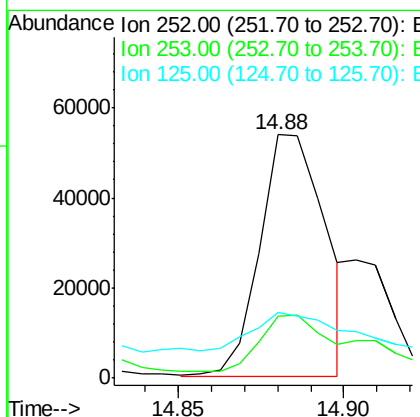
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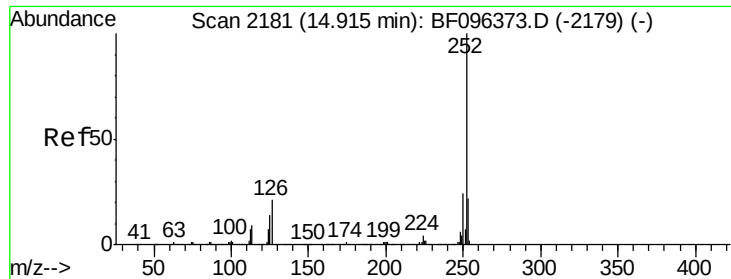
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#87
Benzo(b)fluoranthene
Concen: 9.293 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096446.D
Acq: 3 Jul 2017 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	26.9	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 3.672 ng m

RT: 14.90 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA_F

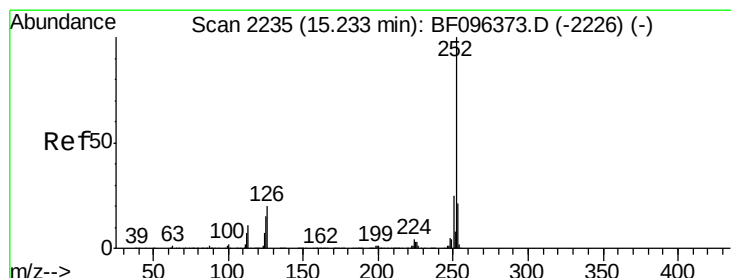
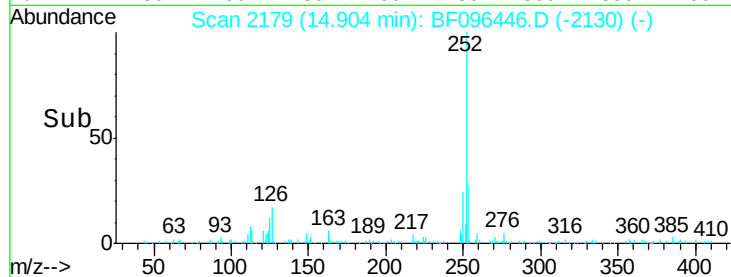
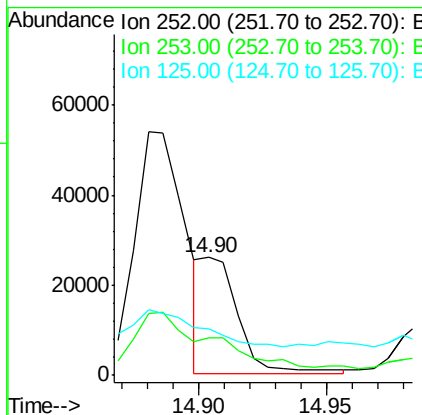
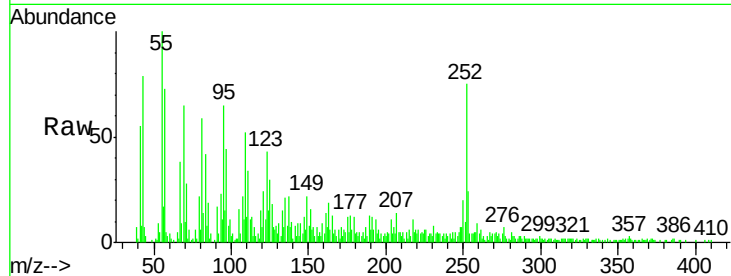
ClientSampleId :

B4-2-4RE

Tgt Ion:	252	Resp:	26000
Ion Ratio	Lower	Upper	
252	100		
253	31.5	18.4	27.6#
125	39.6	13.1	19.7#

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#89

Benzo(a)pyrene

Concen: 6.083 ng

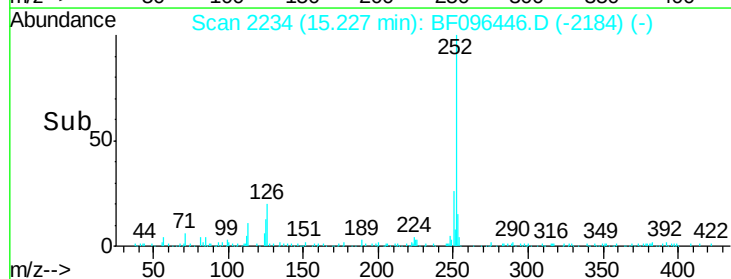
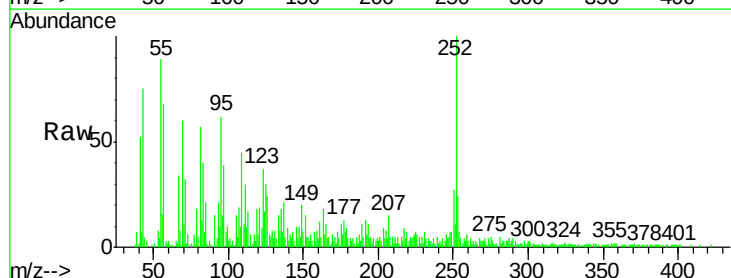
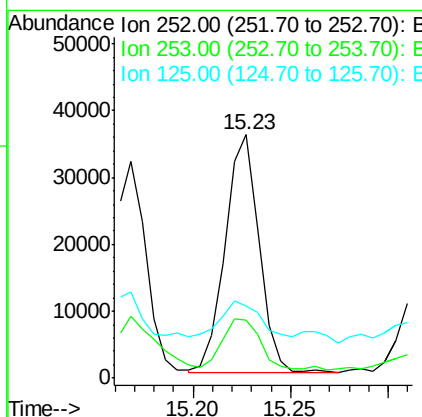
RT: 15.23 min Scan# 2234

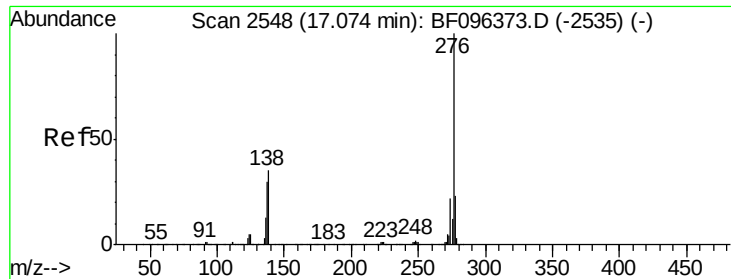
Delta R.T. -0.01 min

Lab File: BF096446.D

Acq: 3 Jul 2017 17:34

Tgt Ion:	252	Resp:	42991
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	29.8	11.0	16.4#





#91
 Benzo(g,h,i)perylene
 Concen: 4.898 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BF096446.D
 Acq: 3 Jul 2017 17:34

Instrument :
 BNA_F
 ClientSampleId :
 B4-2-4RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.6	18.6	28.0#
138	37.9	25.4	38.0

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