

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070217\
 Data File : BF096424.D
 Acq On : 2 Jul 2017 18:59
 Operator : SJ/MA
 Sample : I3950-02 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4-2-4

Manual Integrations
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Quant Time: Jul 03 14:39:30 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	6.73	152	136615	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	515444	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	174520	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	277375	20.00	ng	0.00
75) Chrysene-d12	13.87	240	187423	20.00	ng	0.00
86) Perylene-d12	15.29	264	135621	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	457023	49.38	ng	0.00
7) Phenol-d6	6.36	99	528346	46.43	ng	-0.01
23) Nitrobenzene-d5	7.29	82	297663	34.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	68862	50.51	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	454098	44.49	ng	0.00
78) Terphenyl-d14	12.83	244	312335	35.61	ng	0.00
Target Compounds						
31) Naphthalene	8.03	128	70479	2.896	ng	99
37) 2-Methylnaphthalene	8.73	142	52894	3.415	ng	97
49) Dimethylphthalate	9.48	163	78564	6.030	ng	98
54) Dibenzofuran	9.97	168	29792	2.073	ng	# 92
70) Phenanthrene	11.27	178	250742	16.723	ng	98
71) Anthracene	11.32	178	60484	3.958	ng	98
74) Fluoranthene	12.45	202	262201	17.836	ng	97
77) Pyrene	12.68	202	223274	14.841	ng	98
80) Benzo(a)anthracene	13.87	228	74761	6.888	ng	93
82) Chrysene	13.90	228	80422	7.076	ng	96
85) Indeno(1,2,3-cd)pyrene	16.66	276	29739	3.315	ng	# 88
87) Benzo(b)fluoranthene	14.89	252	76280m	8.976	ng	
88) Benzo(k)fluoranthene	14.91	252	27451m	3.611	ng	
89) Benzo(a)pyrene	15.23	252	46706	6.156	ng	# 80
91) Benzo(g,h,i)perylene	17.07	276	29540	4.776	ng	# 85

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

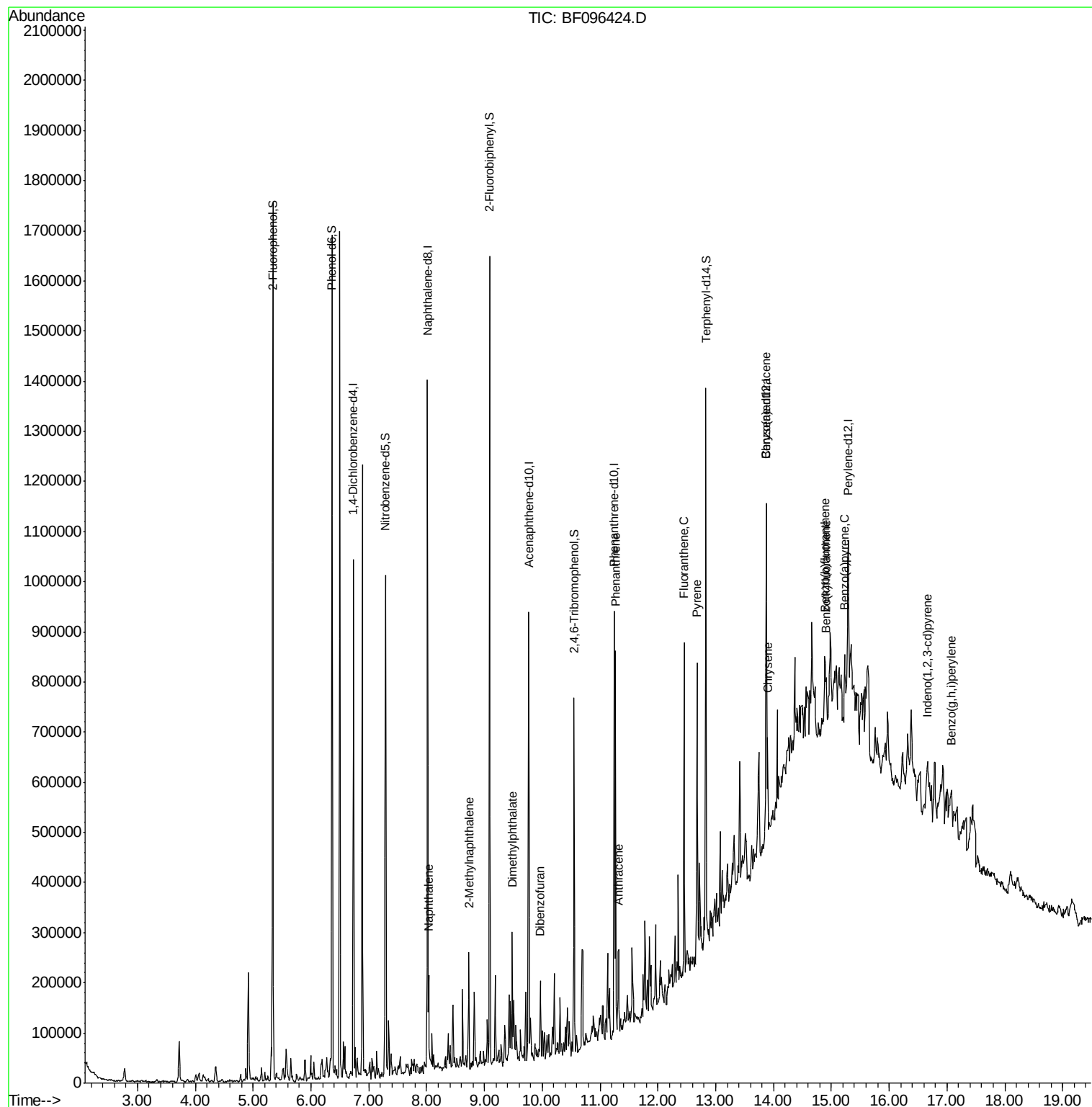
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070217\
Data File : BF096424.D
Acq On : 2 Jul 2017 18:59
Operator : SJ/MA
Sample : I3950-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

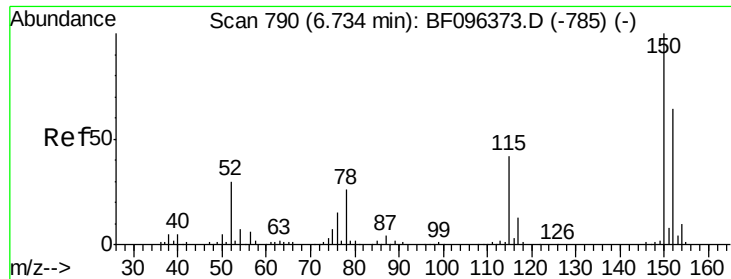
Instrument :
BNA_F
ClientSampleId :
B4-2-4

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Quant Time: Jul 03 14:39:30 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

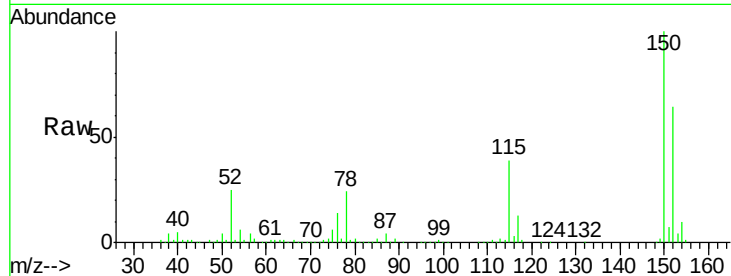
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Instrument :
BNA_F
ClientSampleId :
B4-2-4

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	136615		
150	155.5	126.2	189.2	
115	60.5	52.2	78.2	

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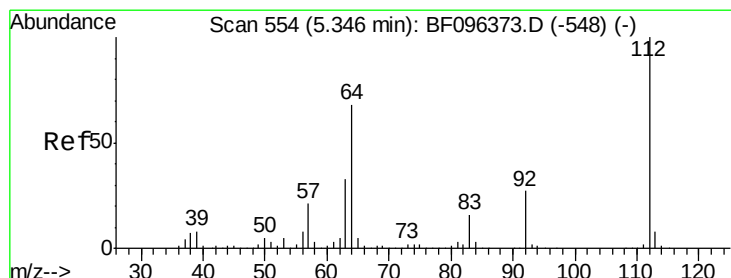
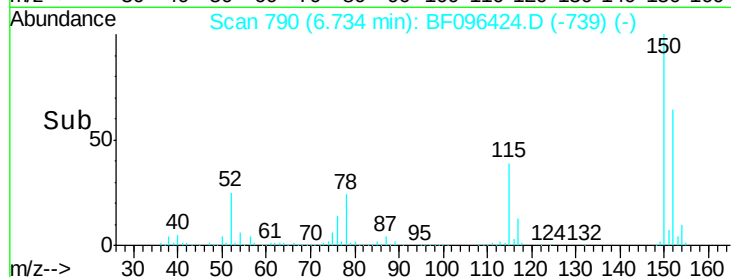
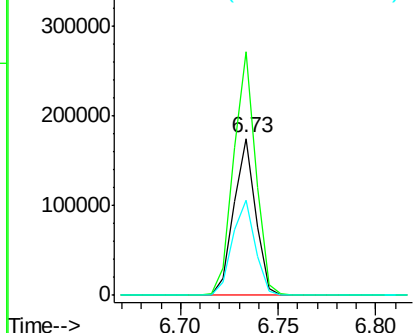


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

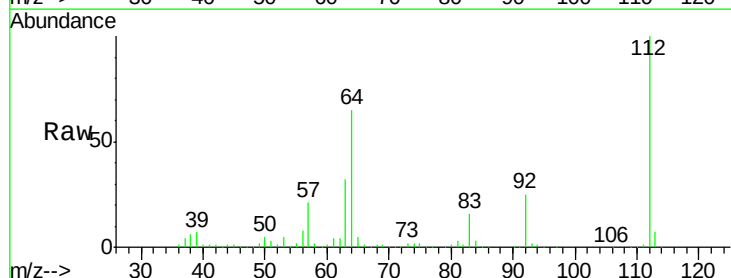
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.376 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	457023		
64	65.2	46.0	69.0	
63	31.6	23.4	35.0	

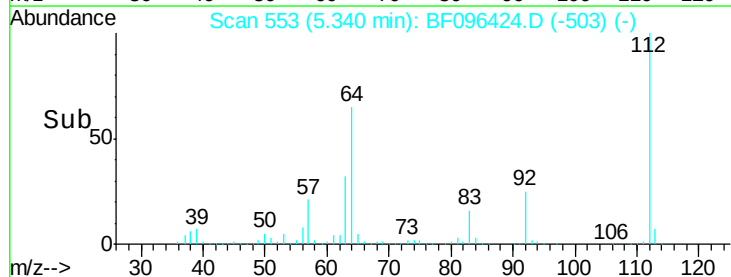
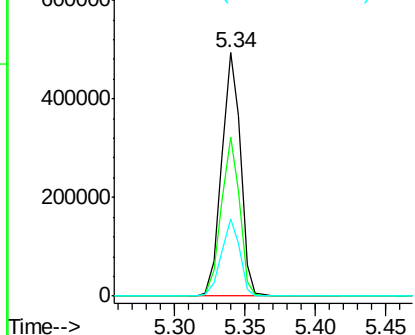


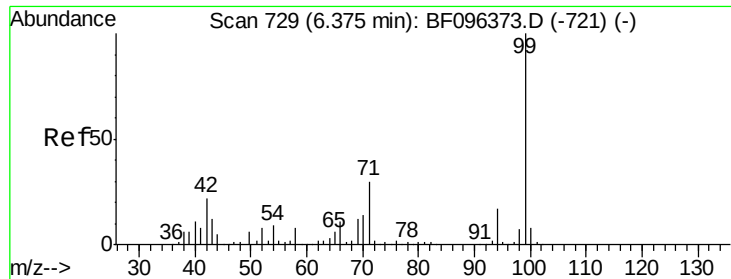
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.432 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

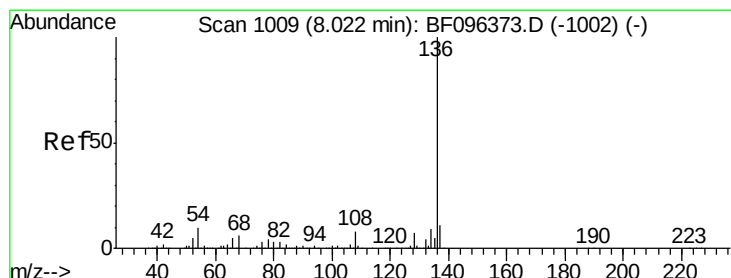
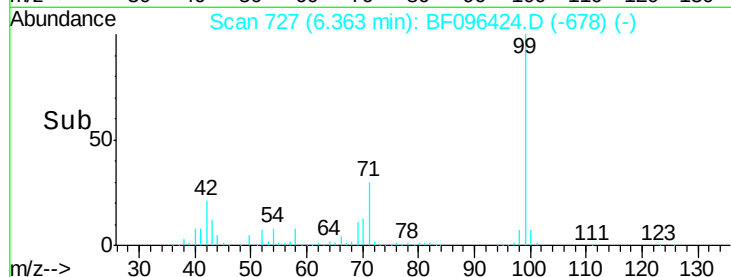
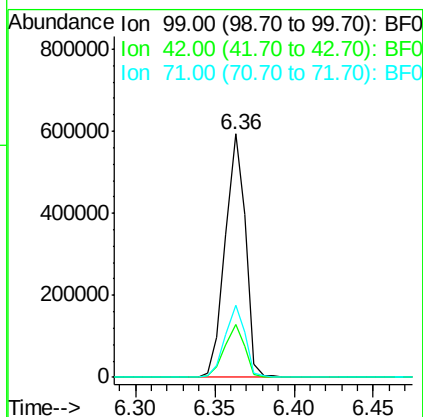
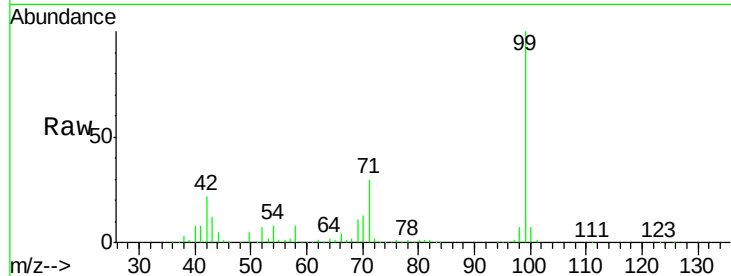
ClientSampleId :

B4-2-4

Tgt Ion:	99	Resp:	528346
Ion Ratio	Lower	Upper	
99	100		
42	21.6	13.5	20.3#
71	29.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

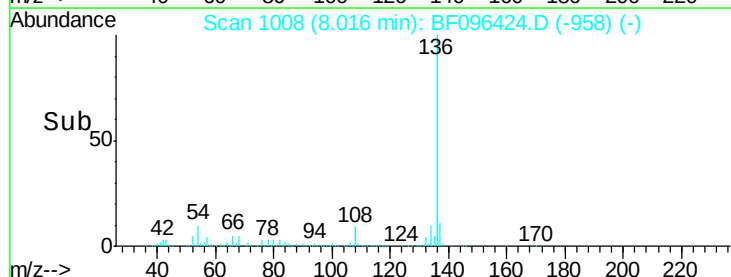
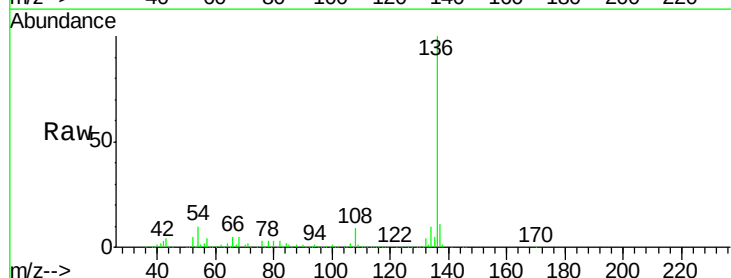
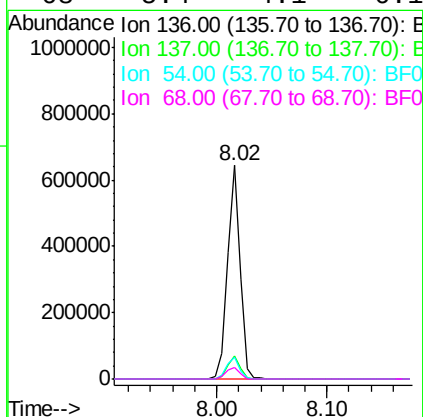
RT: 8.02 min Scan# 1008

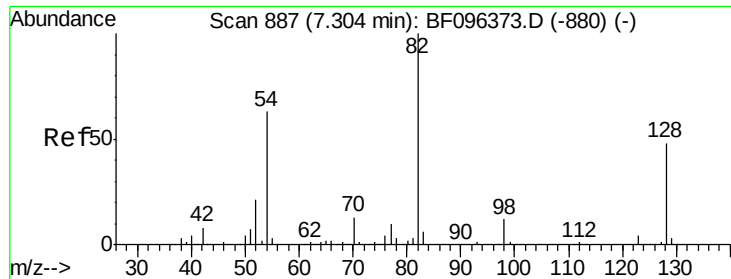
Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Tgt Ion:	136	Resp:	515444
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	10.2	4.9	7.3#
68	5.4	4.1	6.1





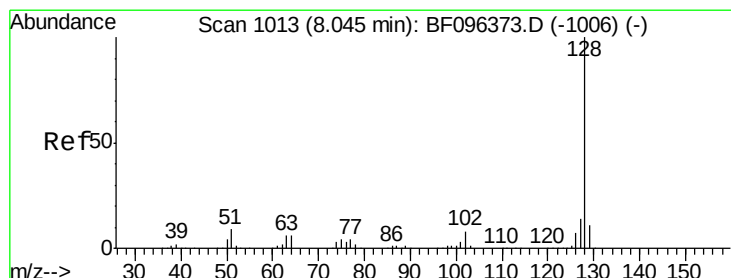
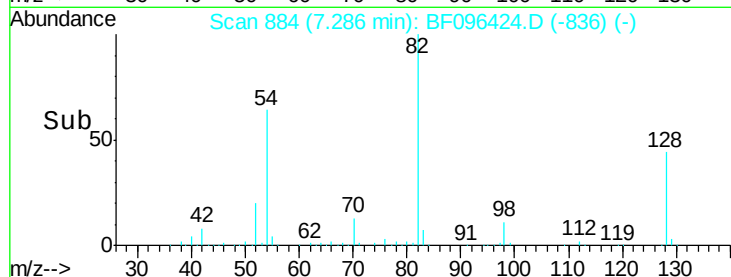
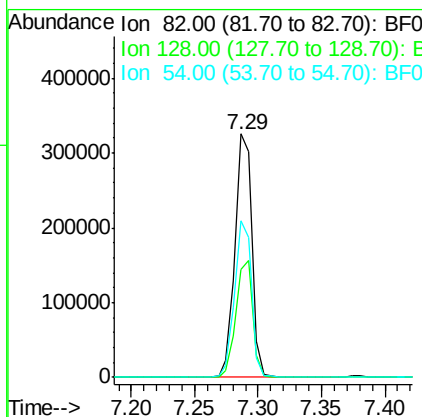
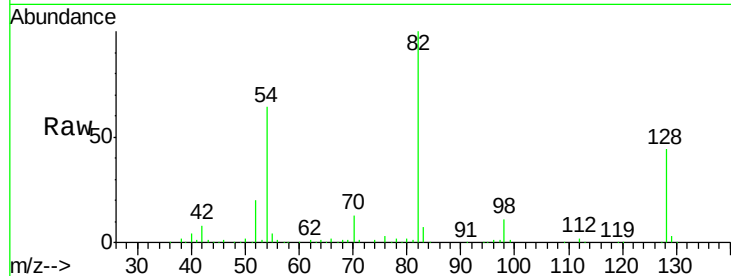
#23
Nitrobenzene-d5
Concen: 34.702 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Instrument :
BNA_F
ClientSampleId :
B4-2-4

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.1	34.0	51.0
54	64.1	42.2	63.2

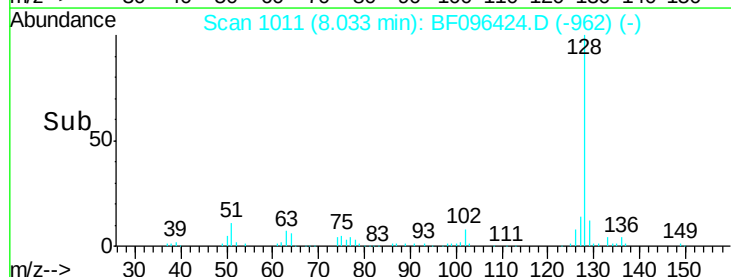
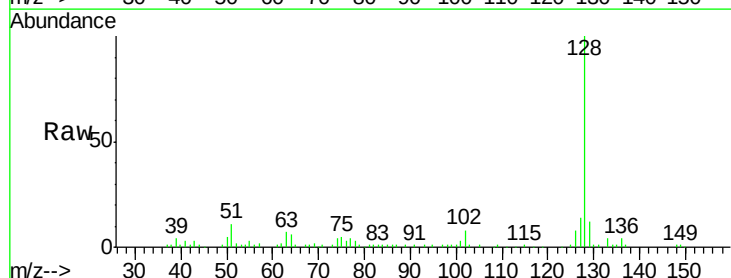
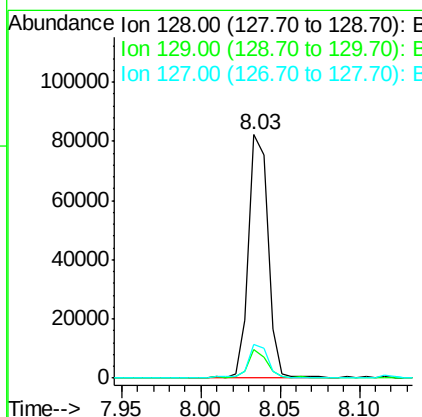
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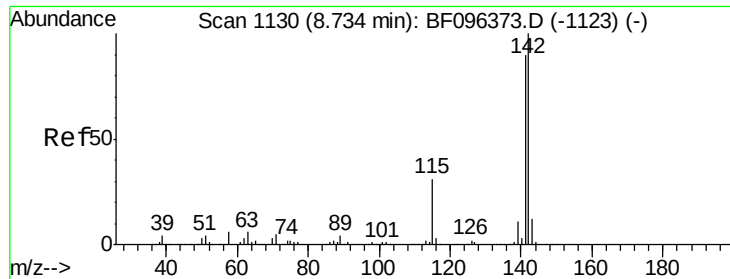
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#31
Naphthalene
Concen: 2.896 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.8	10.8	16.2





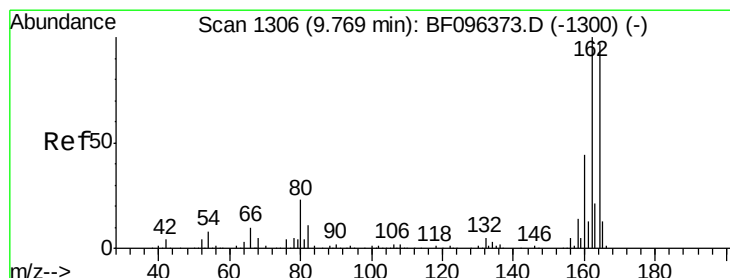
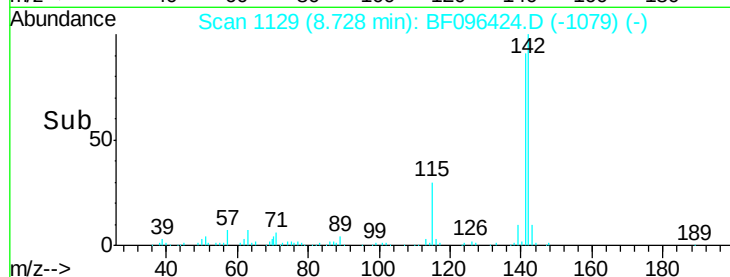
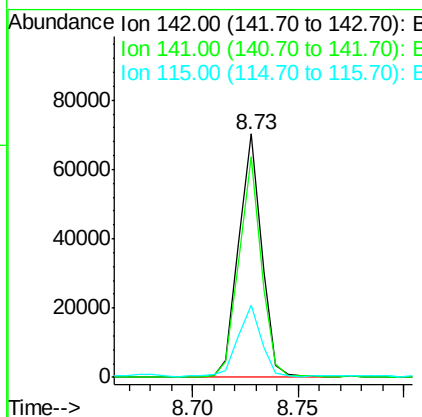
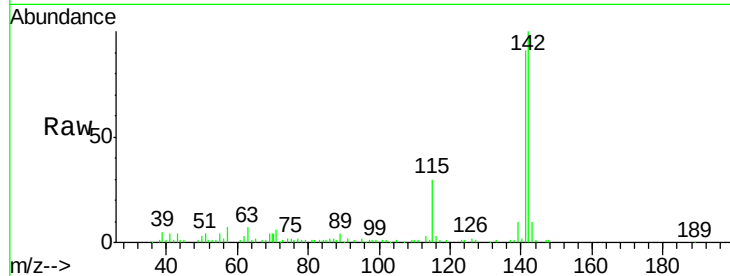
#37
2-Methylnaphthalene
Concen: 3.415 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Instrument :
BNA_F
ClientSampleId :
B4-2-4

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9
115	29.7	27.1	40.7

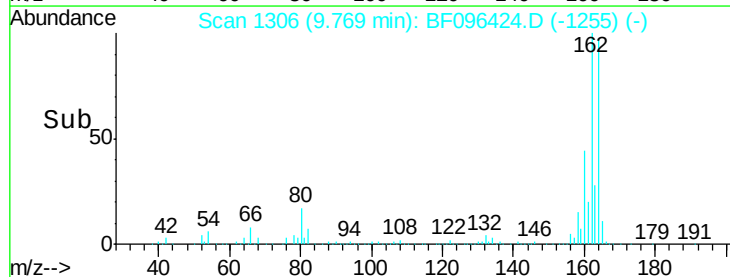
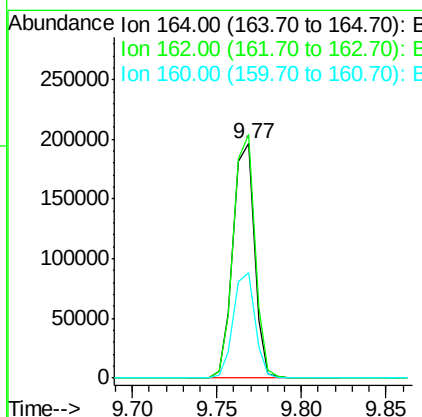
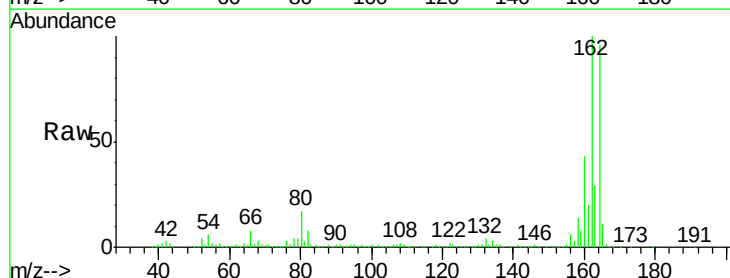
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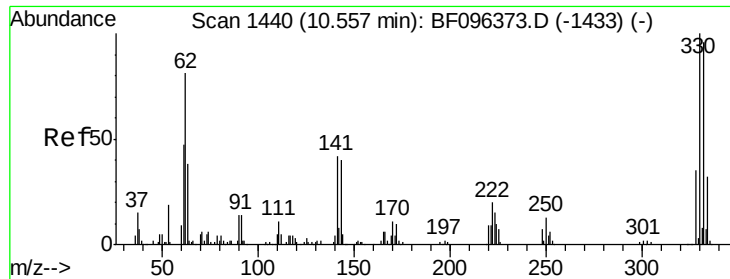
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	45.0	36.2	54.2





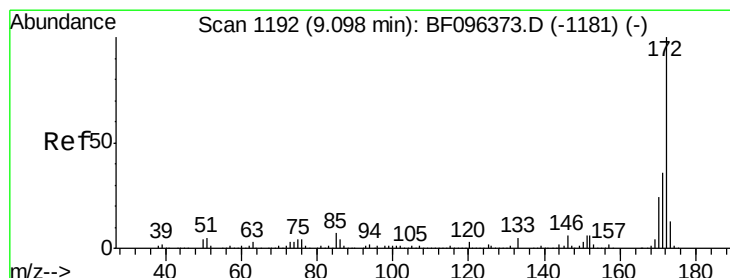
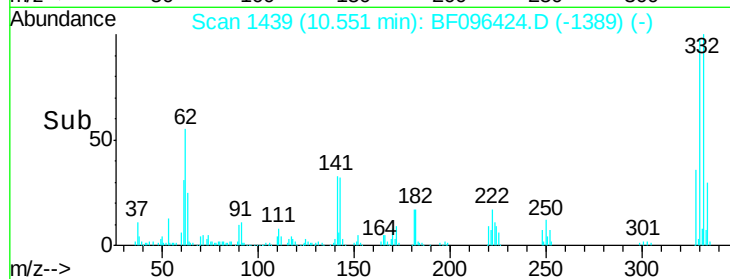
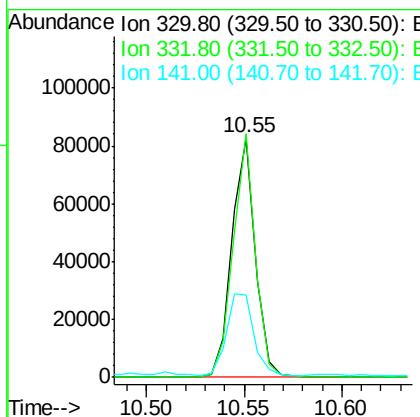
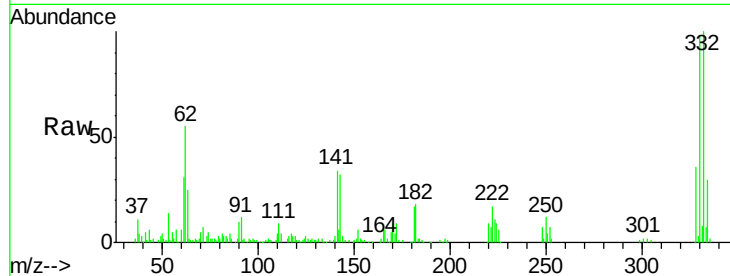
#41
 2,4,6-Tribromophenol
 Concen: 50.514 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096424.D
 Acq: 2 Jul 2017 18:59

Instrument :
 BNA_F
 ClientSampled :
 B4-2-4

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	68862		
332	96.1	76.6	115.0	
141	39.7	31.4	47.2	

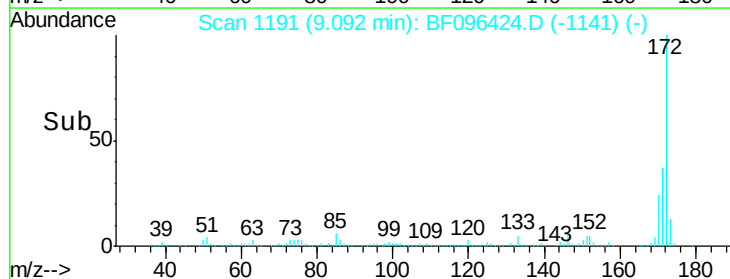
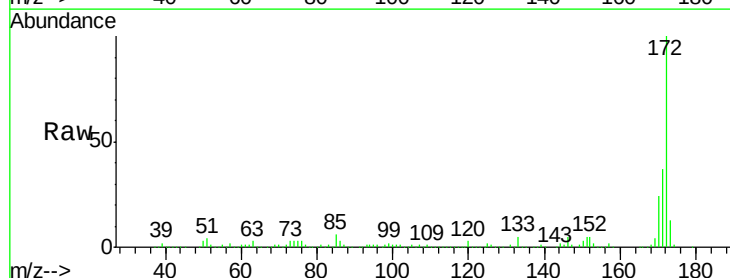
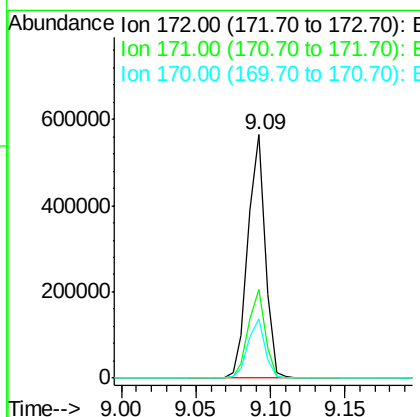
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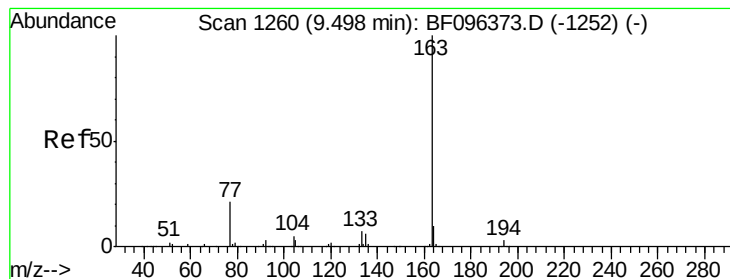
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#44
 2-Fluorobiphenyl
 Concen: 44.488 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096424.D
 Acq: 2 Jul 2017 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	454098		
171	36.5	29.6	44.4	
170	24.4	19.8	29.8	





#49

Dimethylphthalate

Concen: 6.030 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

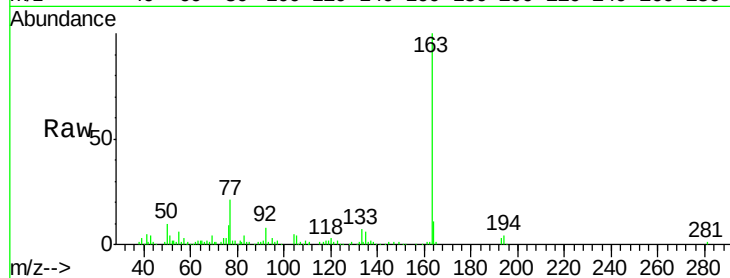
ClientSampled :

B4-2-4

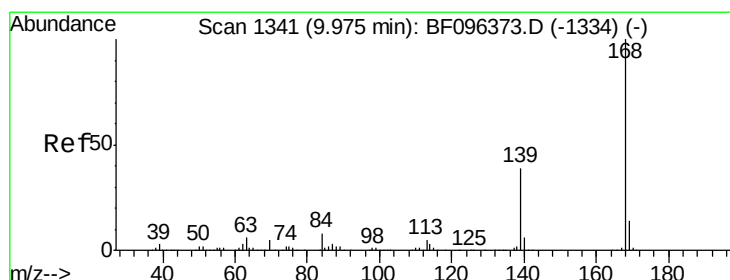
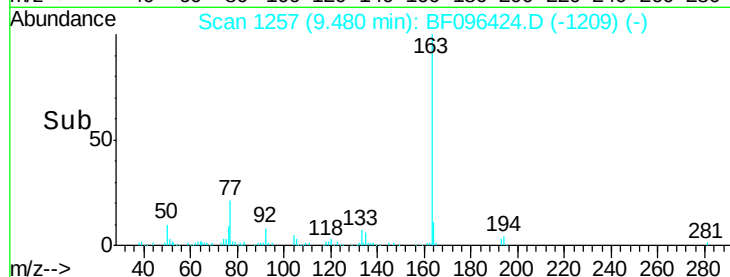
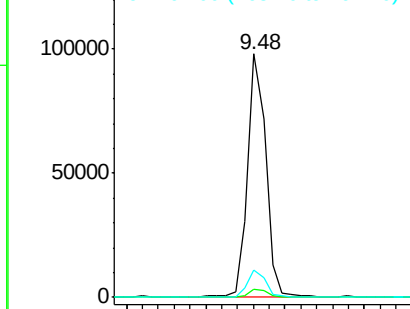
Tgt Ion:	163	Resp:	78564
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	11.2	8.4	12.6

Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#54

Dibenzofuran

Concen: 2.073 ng

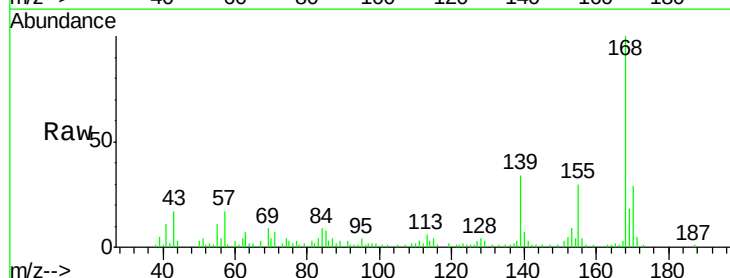
RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

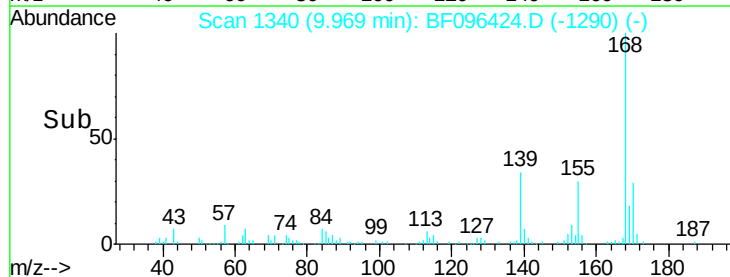
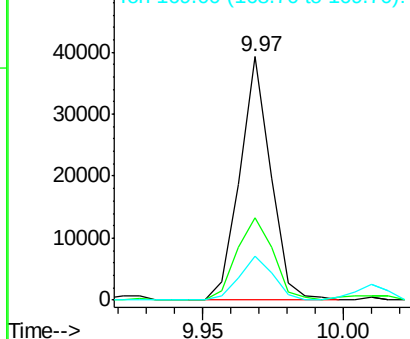
Lab File: BF096424.D

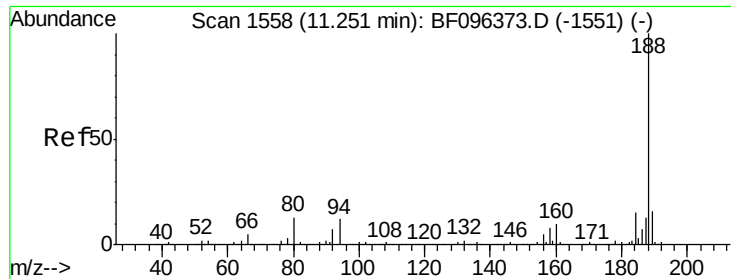
Acq: 2 Jul 2017 18:59

Tgt Ion:	168	Resp:	29792
Ion Ratio	Lower	Upper	
168	100		
139	34.0	30.6	45.8
169	18.1	10.8	16.2#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





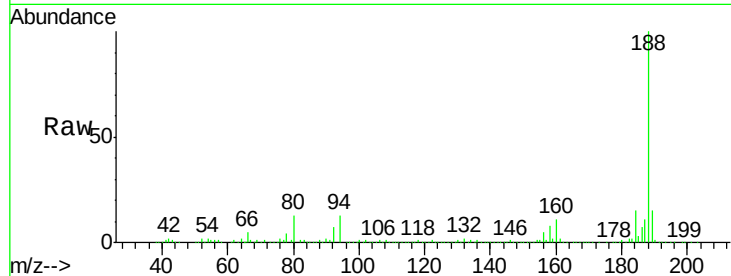
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Instrument :
BNA_F
ClientSampleId :
B4-2-4

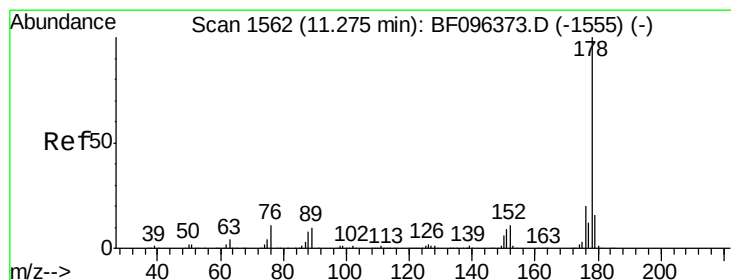
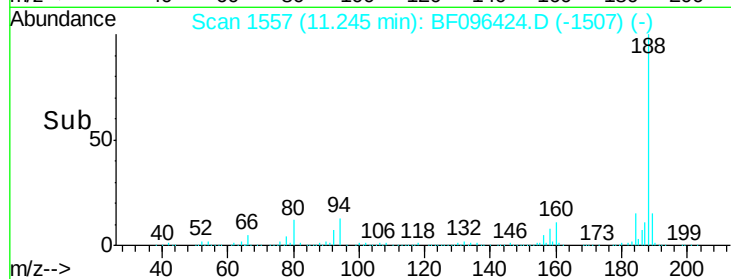
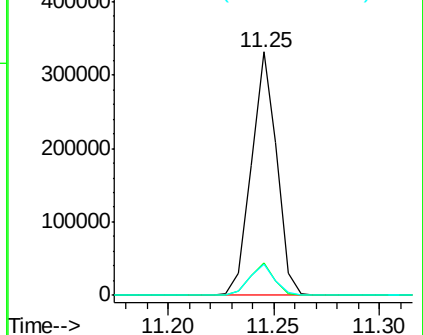
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.1	9.4	14.2
80	12.6	10.2	15.2

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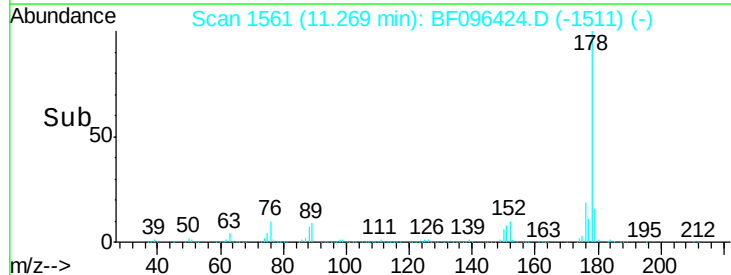
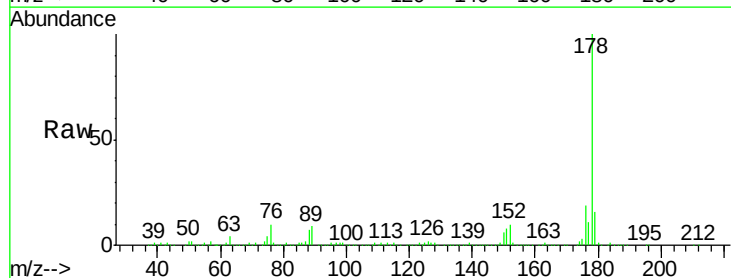
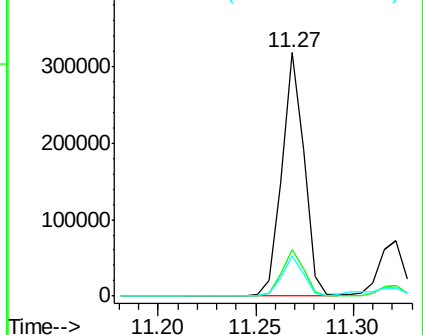
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

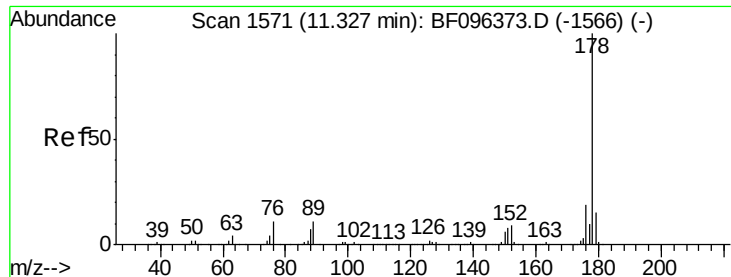


#70
Phenanthrene
Concen: 16.723 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	16.2	24.4
179	16.3	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





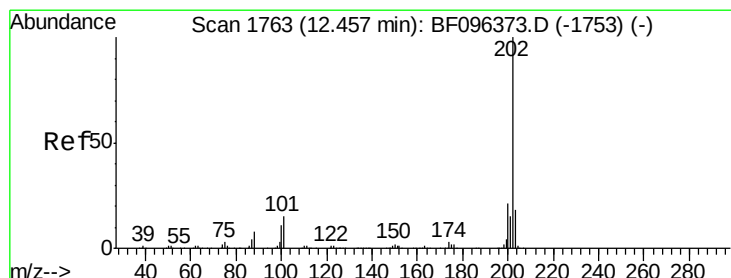
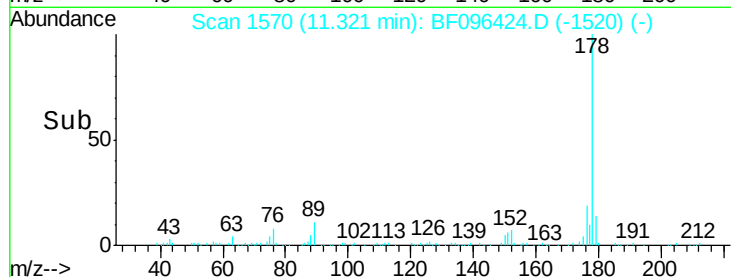
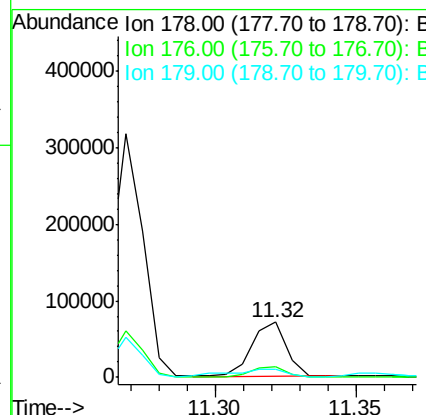
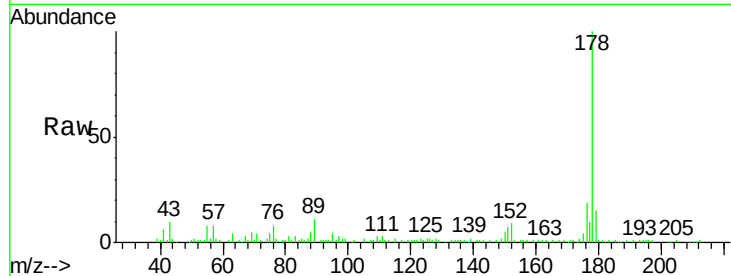
#71
 Anthracene
 Concen: 3.958 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF096424.D
 Acq: 2 Jul 2017 18:59

Instrument :
 BNA_F
 ClientSampleId :
 B4-2-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.8	12.7	19.1

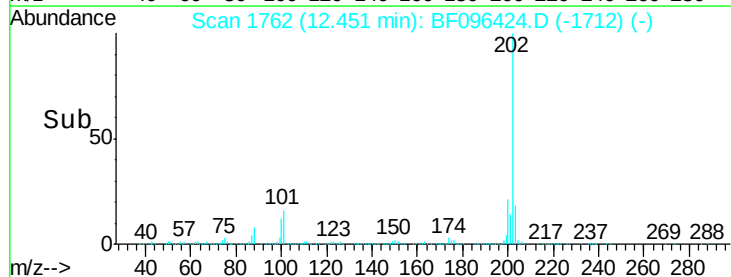
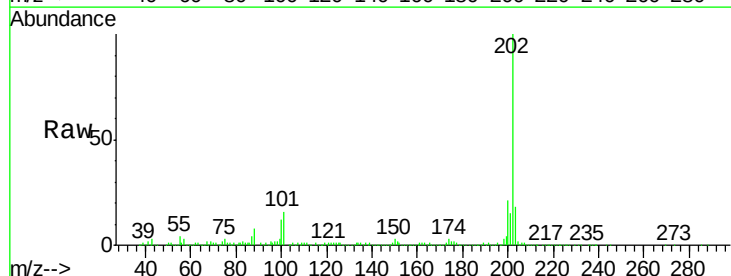
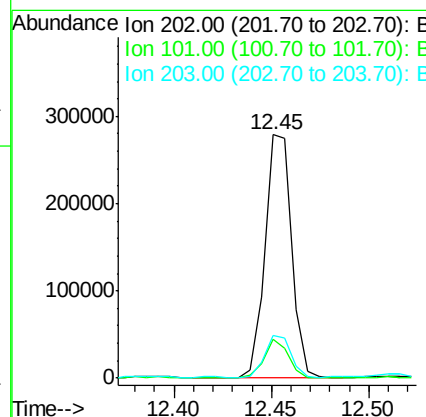
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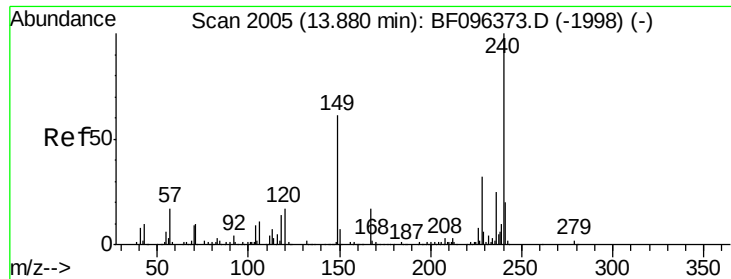
mohammad
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#74
 Fluoranthene
 Concen: 17.836 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: BF096424.D
 Acq: 2 Jul 2017 18:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.0	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampled :

B4-2-4

Tgt Ion: 240 Resp: 187423

Ion Ratio Lower Upper

240 100

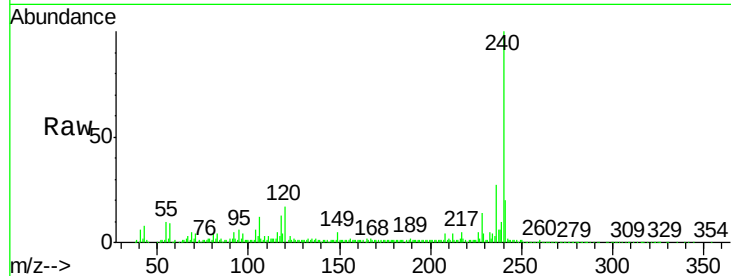
120 16.6 5.8 8.8#

236 27.1 20.5 30.7

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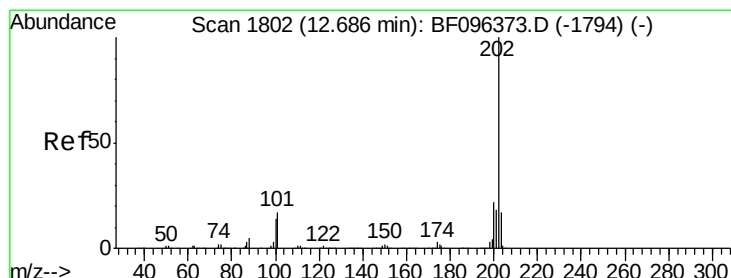
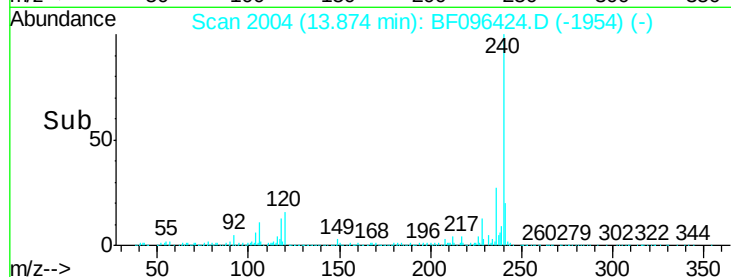
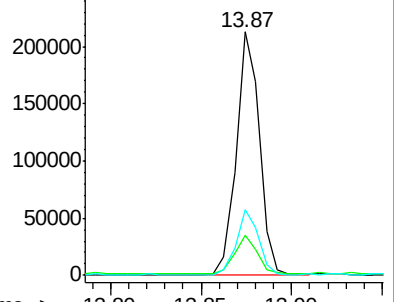
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.841 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

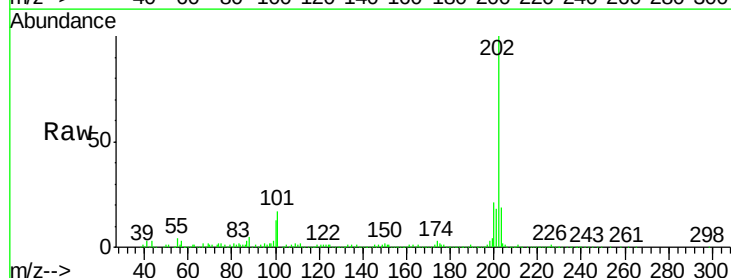
Tgt Ion: 202 Resp: 223274

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

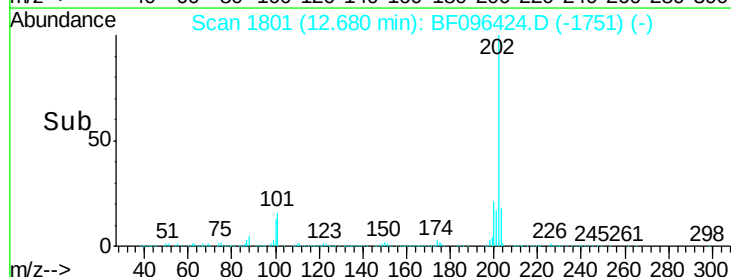
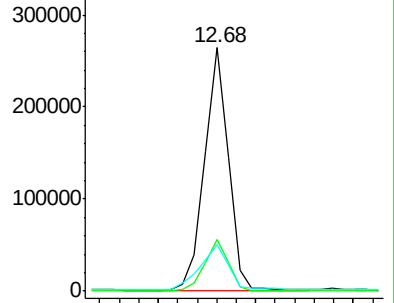
203 18.9 14.4 21.6

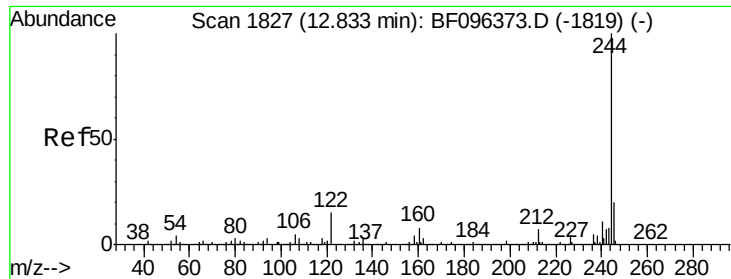


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.610 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

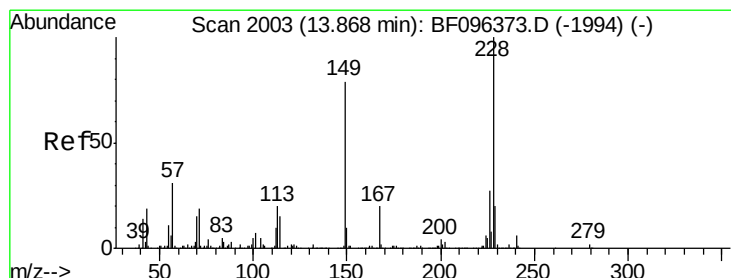
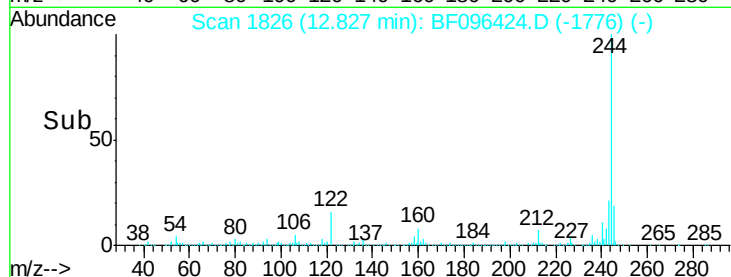
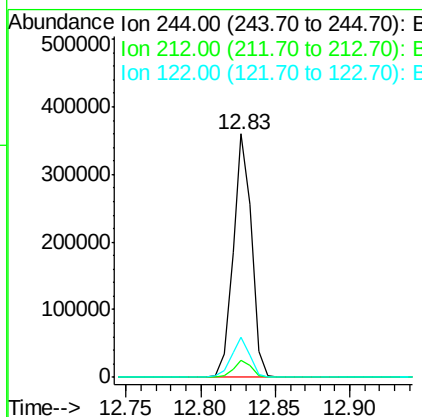
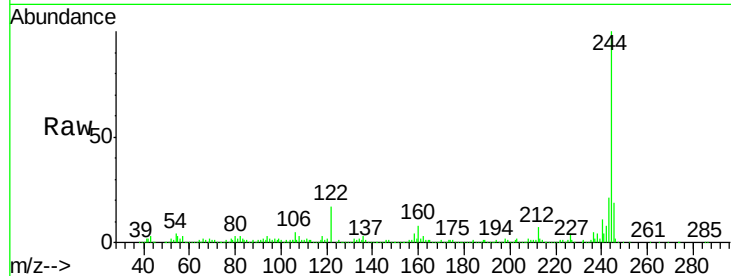
ClientSampleId :

B4-2-4

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	312335		
212	7.0	6.0	9.0	
122	16.7	10.3	15.5#	

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#80

Benzo(a)anthracene

Concen: 6.888 ng

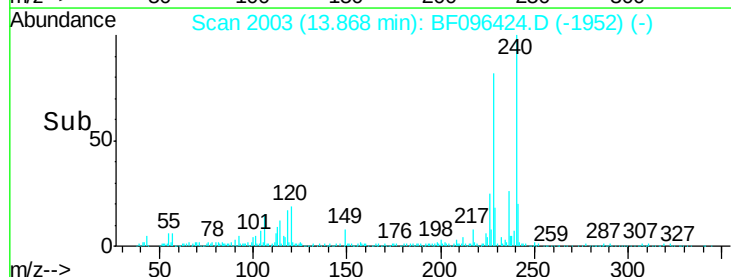
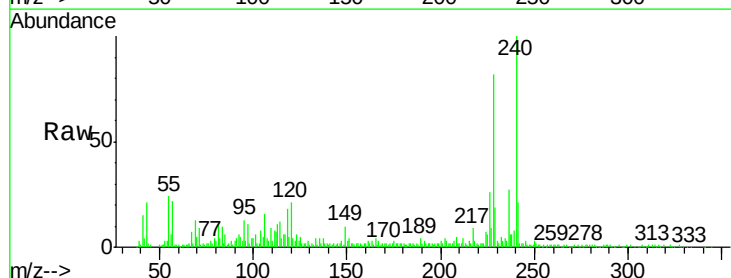
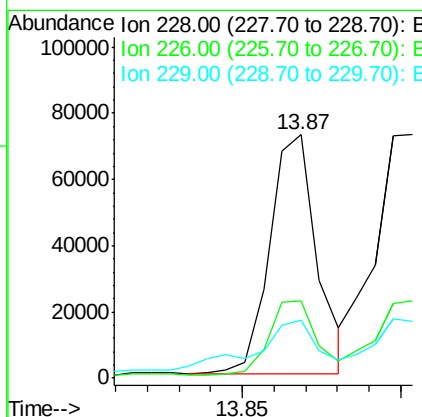
RT: 13.87 min Scan# 2003

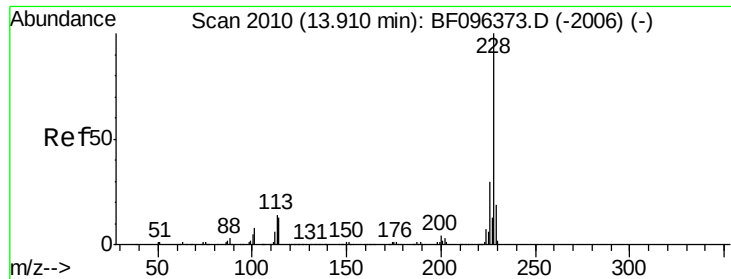
Delta R.T. -0.00 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	74761		
226	31.8	22.6	33.8	
229	23.7	16.3	24.5	





#82

Chrysene

Concen: 7.076 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096424.D

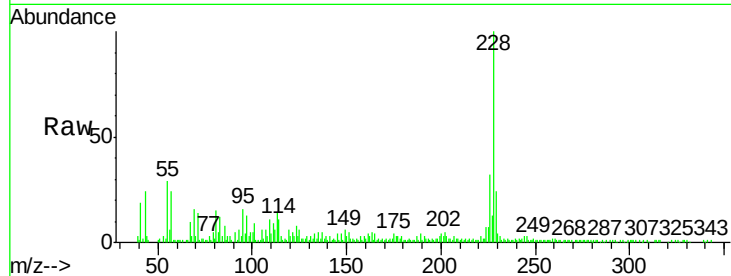
Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampled :

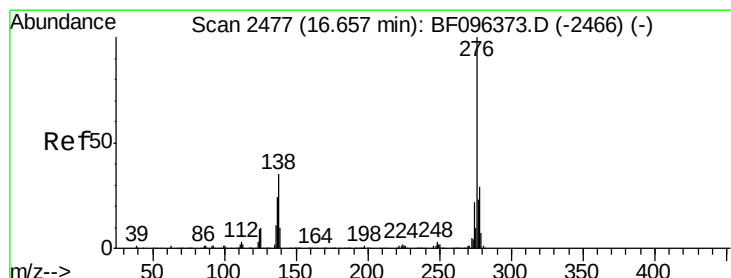
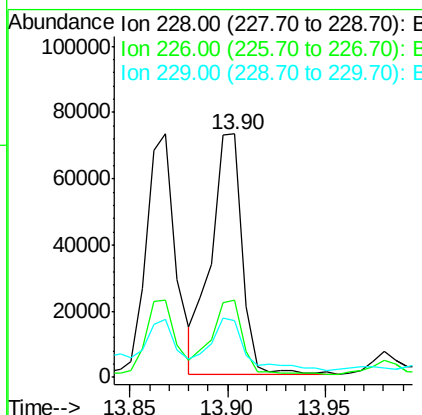
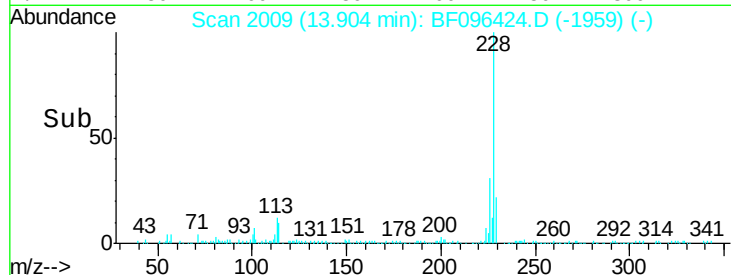
B4-2-4



Tgt Ion:	228	Resp:	80422
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.9	37.3
229	23.6	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.315 ng

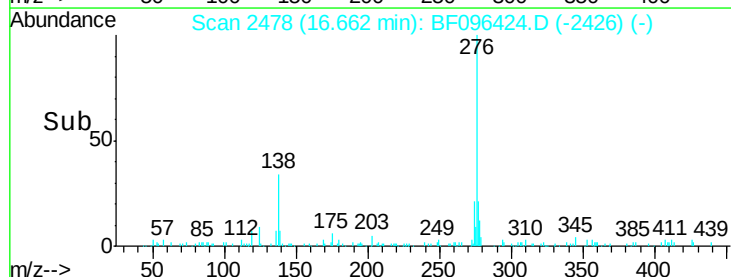
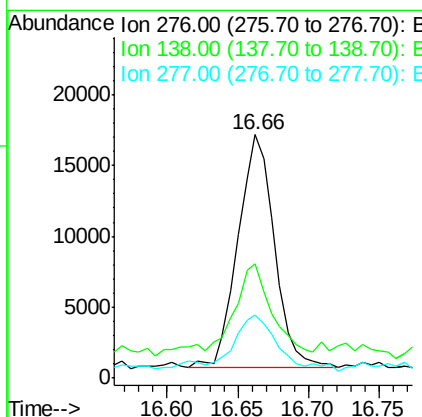
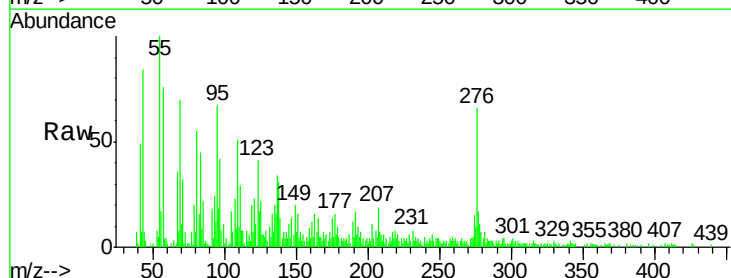
RT: 16.66 min Scan# 2478

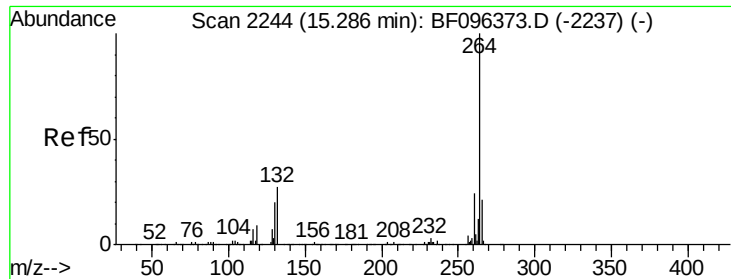
Delta R.T. 0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Tgt Ion:	276	Resp:	29739
Ion Ratio	Lower	Upper	
276	100		
138	45.2	27.8	41.6#
277	23.3	20.2	30.4





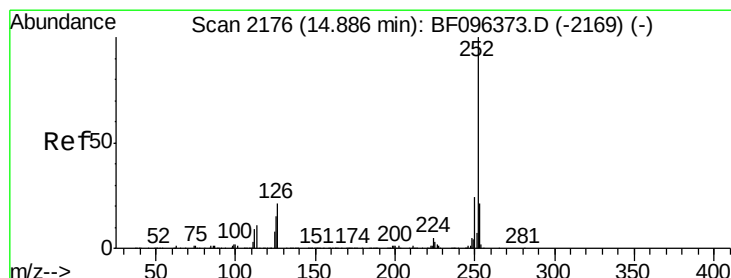
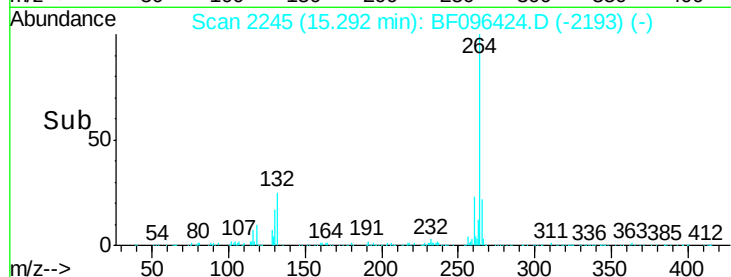
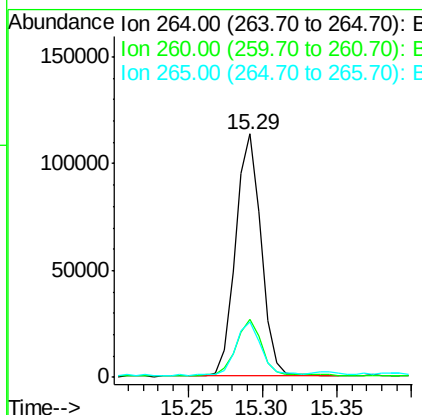
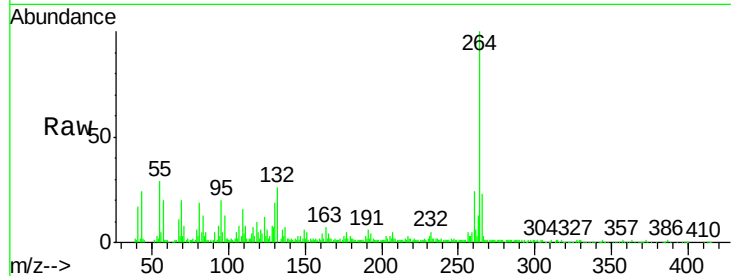
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Instrument :
BNA_F
ClientSampleId :
B4-2-4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	23.0	17.2	25.8

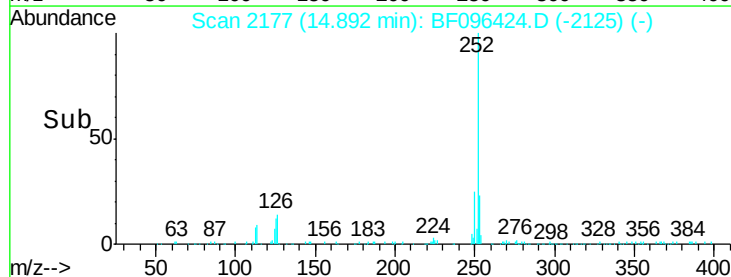
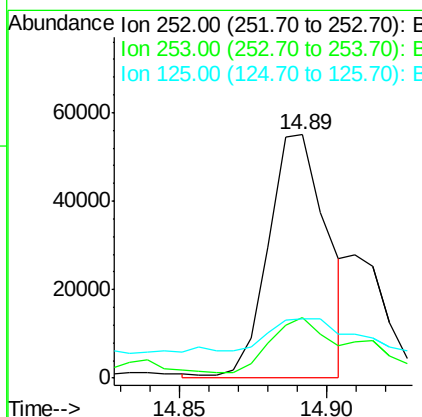
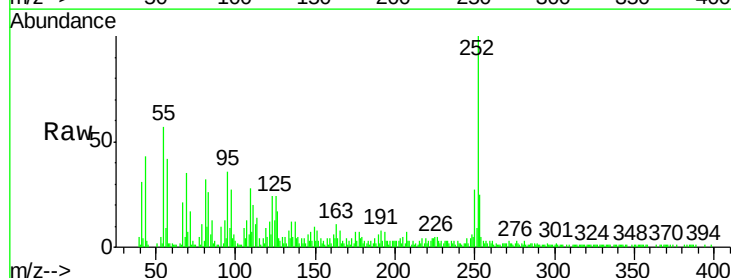
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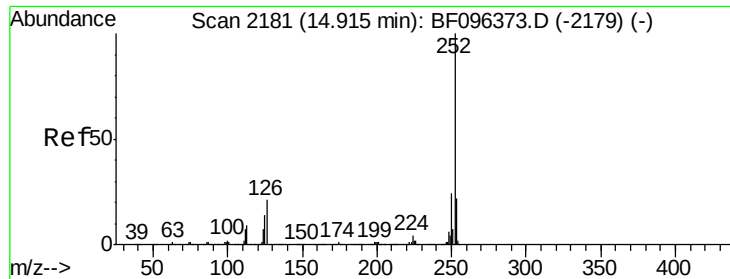
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#87
Benzo(b)fluoranthene
Concen: 8.976 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	24.3	9.8	14.8#





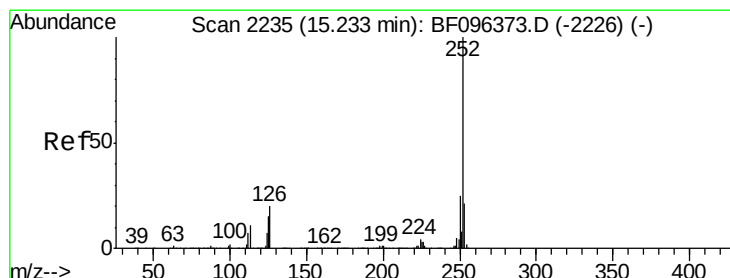
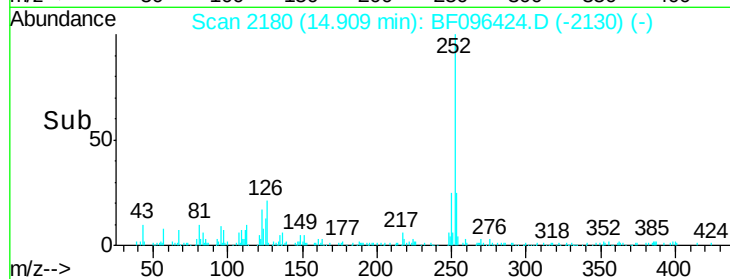
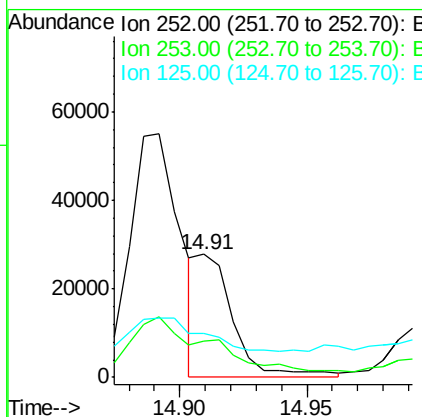
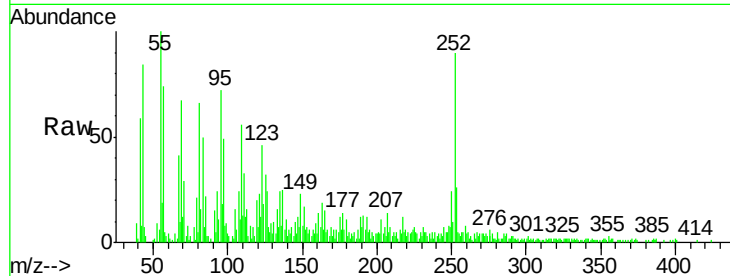
#88
Benzo(k)fluoranthene
Concen: 3.611 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Instrument :
BNA_F
ClientSampleId :
B4-2-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.4	27.6#
125	35.4	13.1	19.7#

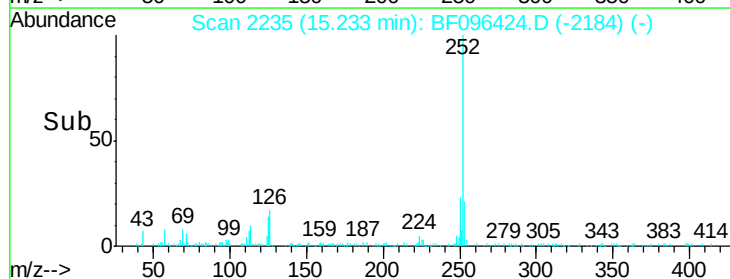
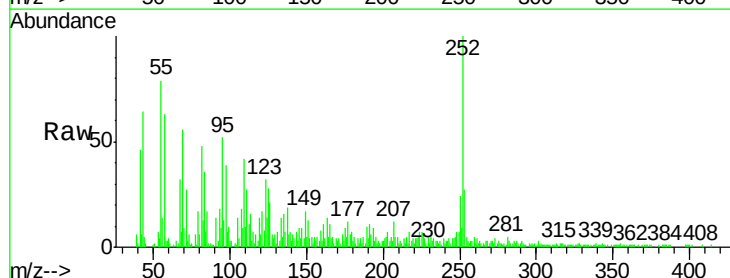
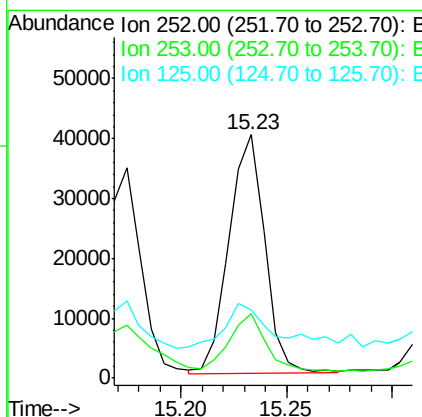
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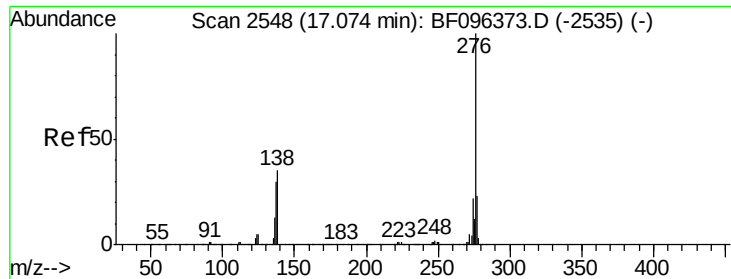
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#89
Benzo(a)pyrene
Concen: 6.156 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.5	26.3#
125	28.0	11.0	16.4#





#91
 Benzo(g,h,i)perylene
 Concen: 4.776 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: BF096424.D
 Acq: 2 Jul 2017 18:59

Instrument :
 BNA_F
 ClientSampleId :
 B4-2-4

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.6	28.0#
138	42.0	25.4	38.0#

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