

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096544.D
 Acq On : 6 Jul 2017 20:15
 Operator : SJ/MA
 Sample : I3972-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-13-13.5

Manual Integrations
 APPROVED

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Quant Time: Jul 07 09:24:03 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	128590	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	485825	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	196081	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	280856	20.00	ng	0.00
75) Chrysene-d12	13.86	240	255977	20.00	ng	0.00
86) Perylene-d12	15.27	264	197292	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	834340	95.77	ng	0.01
7) Phenol-d6	6.36	99	1037324	96.85	ng	0.00
23) Nitrobenzene-d5	7.27	82	574588	71.07	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	139361	90.99	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	860323	75.02	ng	0.00
78) Terphenyl-d14	12.82	244	499129	41.67	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	36621	3.001	ng	89
31) Naphthalene	8.02	128	579197	25.253	ng	99
37) 2-Methylnaphthalene	8.71	142	52372	3.587	ng	96
49) Dimethylphthalate	9.47	163	136899	9.353	ng	97
70) Phenanthrene	11.25	178	44758	2.948	ng	99
74) Fluoranthene	12.44	202	64243	4.316	ng	97
77) Pyrene	12.67	202	65707	3.198	ng	97
80) Benzo(a)anthracene	13.85	228	32660	2.203	ng	# 90
82) Chrysene	13.89	228	31189	2.009	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.86	149	30024	2.586	ng	100
87) Benzo(b)fluoranthene	14.87	252	38117m	3.083	ng	
89) Benzo(a)pyrene	15.22	252	29732	2.694	ng	# 90

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

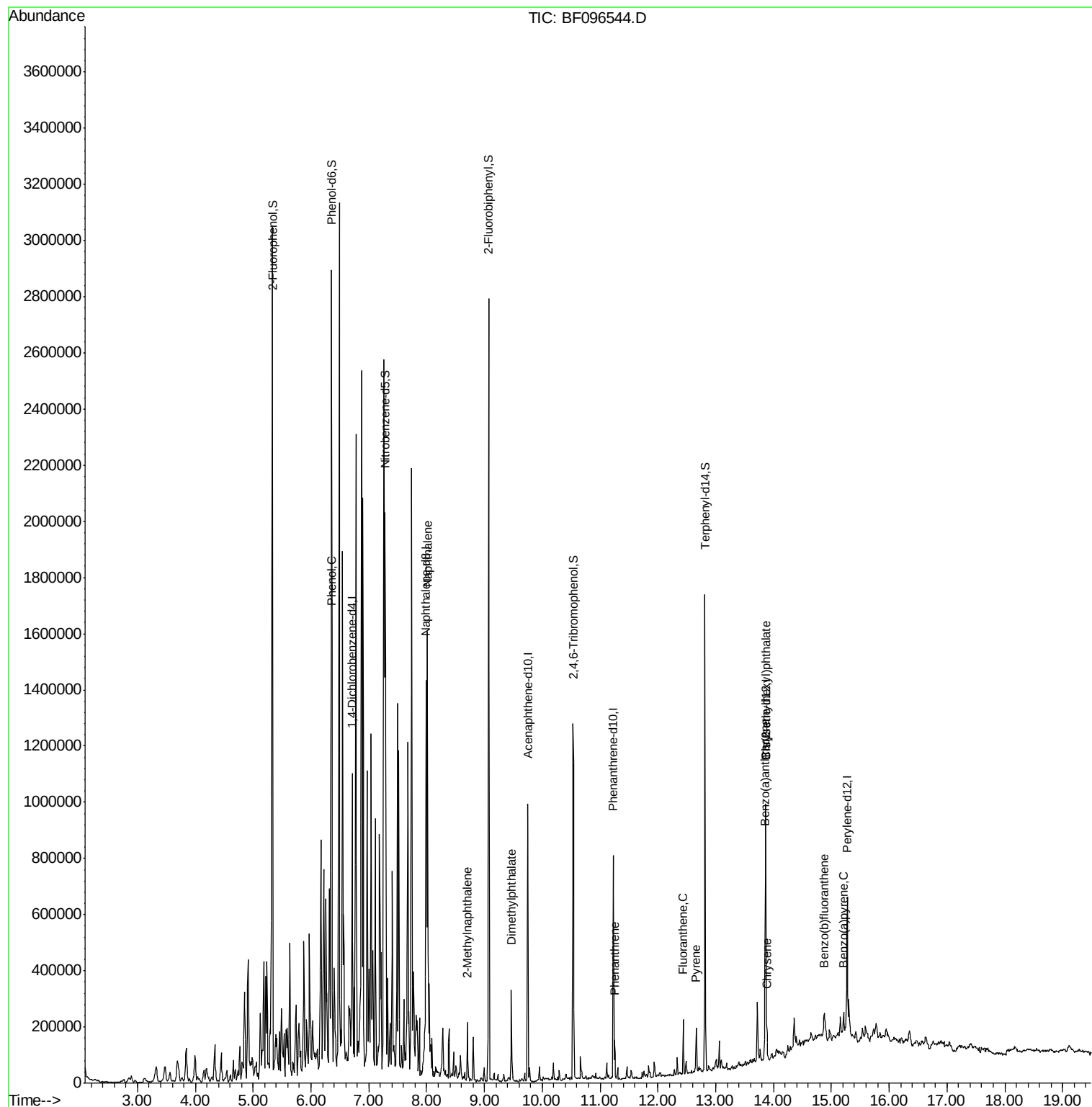
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096544.D
Acq On : 6 Jul 2017 20:15
Operator : SJ/MA
Sample : I3972-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

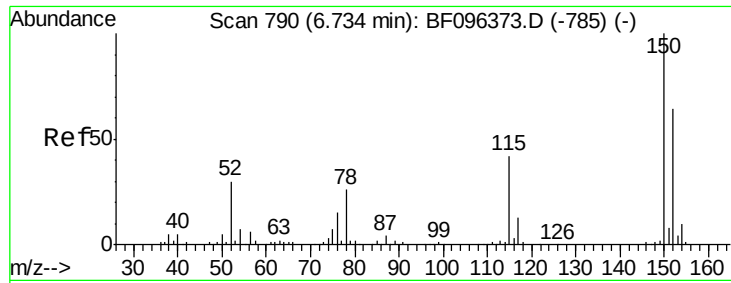
Instrument :
BNA_F
ClientSampleId :
B3-13-13.5

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#1

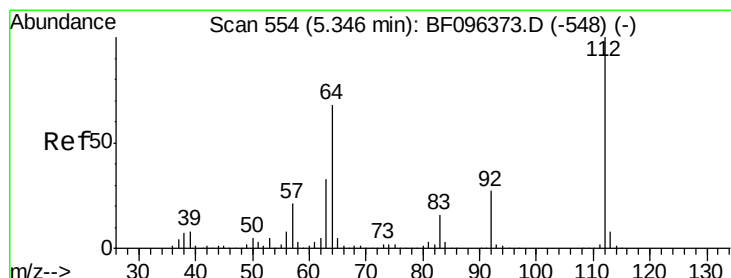
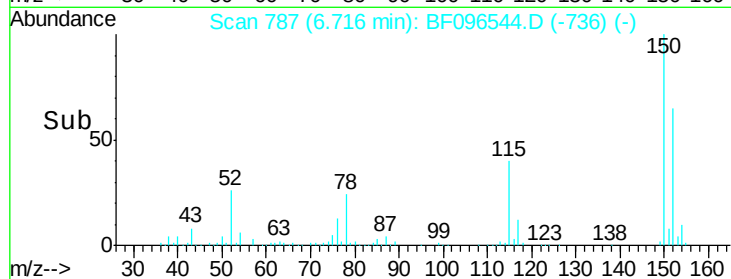
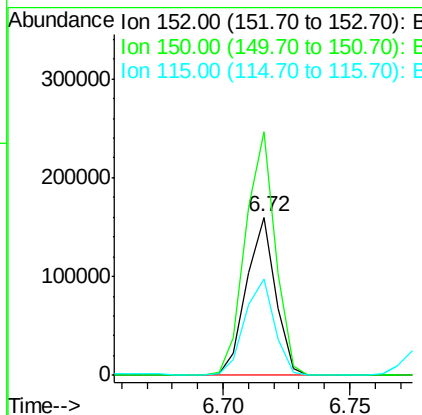
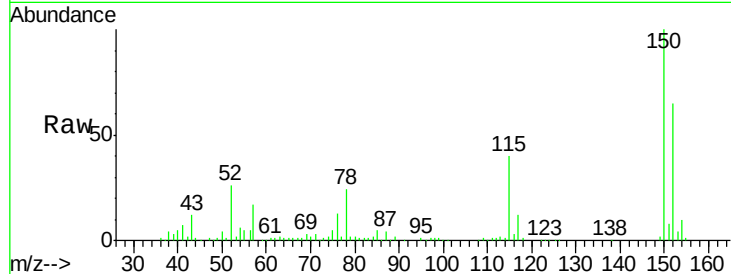
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Instrument :
BNA_F
ClientSampleId :
B3-13-13.5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	128590		
150	153.6	126.2	189.2	
115	61.2	52.2	78.2	

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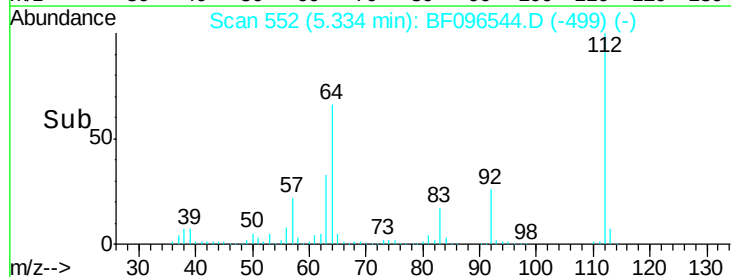
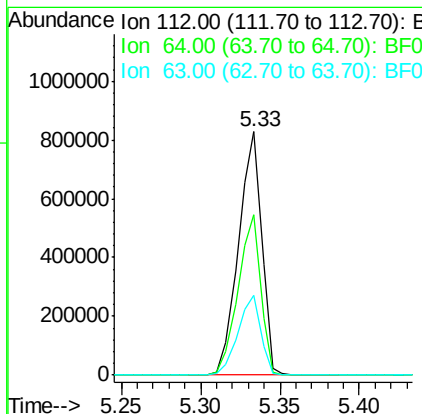
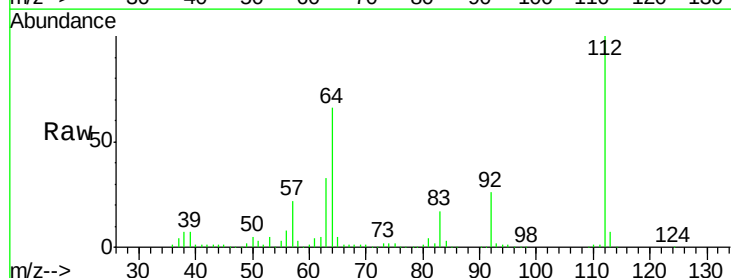
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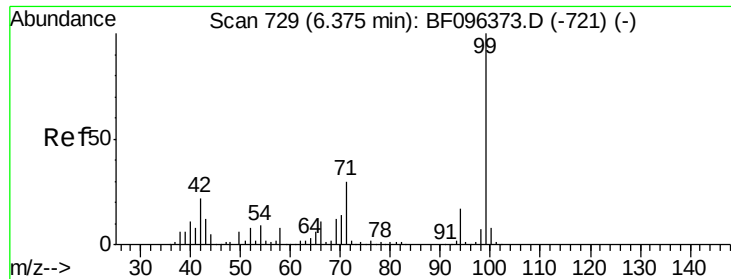


#5

2-Fluorophenol
Concen: 95.766 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	834340		
64	65.7	46.0	69.0	
63	32.9	23.4	35.0	





#7

Phenol-d6

Concen: 96.851 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Instrument :

BNA_F

ClientSampleId :

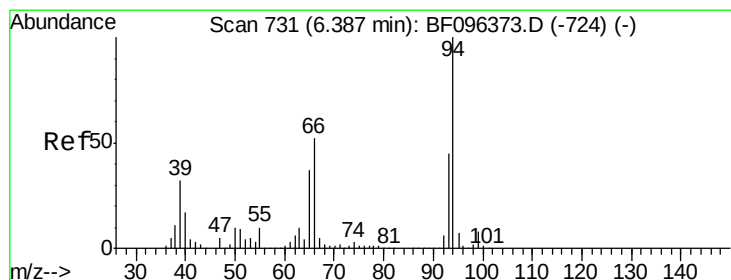
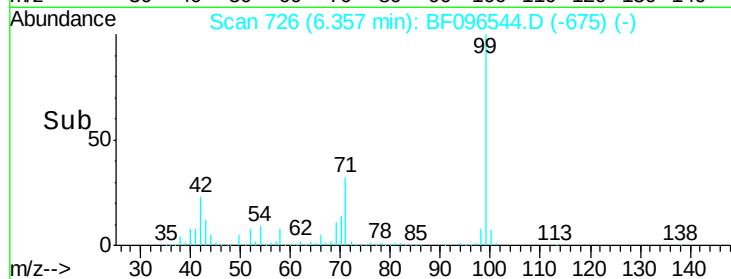
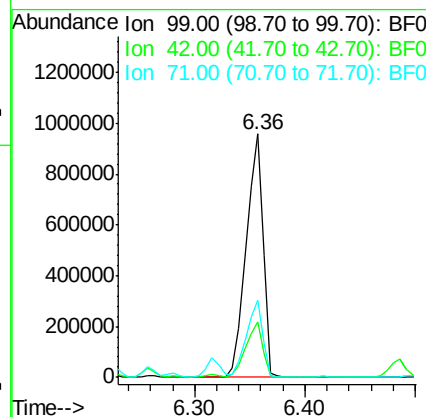
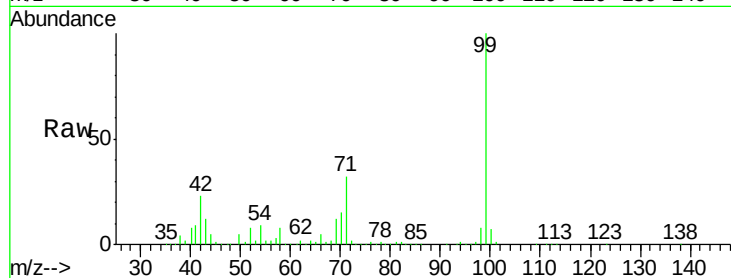
B3-13-13.5

Tgt Ion: 99 Resp: 1037324

Ion	Ratio	Lower	Upper
99	100		
42	22.7	13.5	20.3#
71	31.9	24.5	36.7

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#10

Phenol

Concen: 3.001 ng

RT: 6.37 min Scan# 728

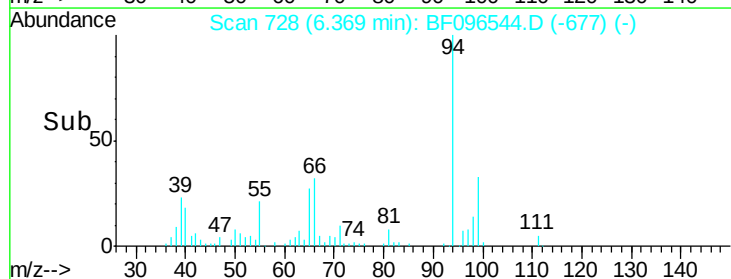
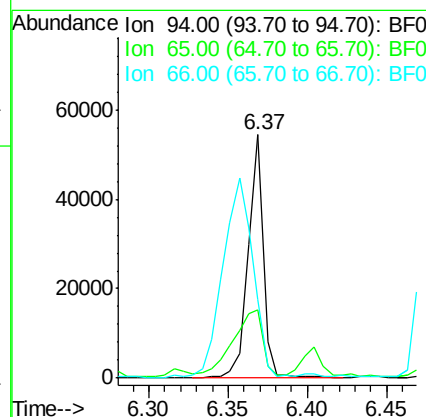
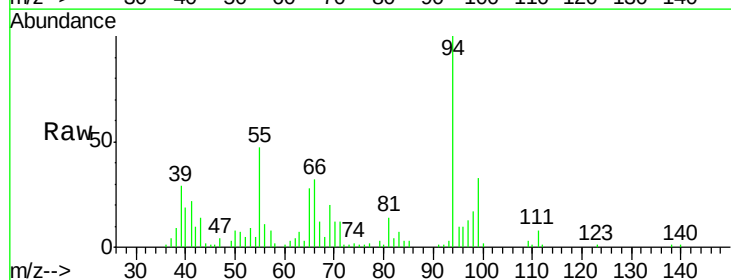
Delta R.T. -0.00 min

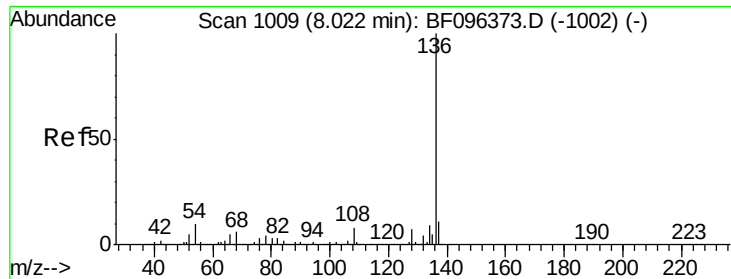
Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Tgt Ion: 94 Resp: 36621

Ion	Ratio	Lower	Upper
94	100		
65	27.9	9.9	49.9
66	32.4	23.1	63.1





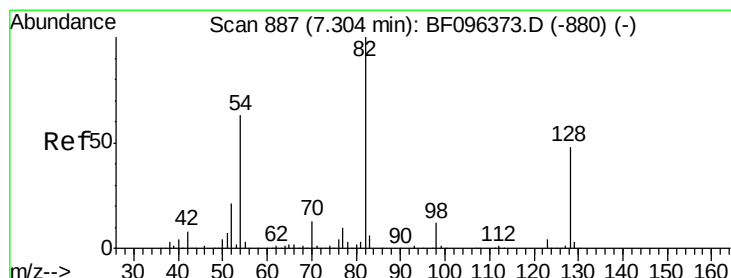
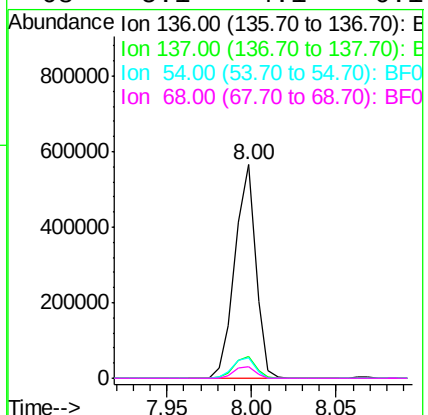
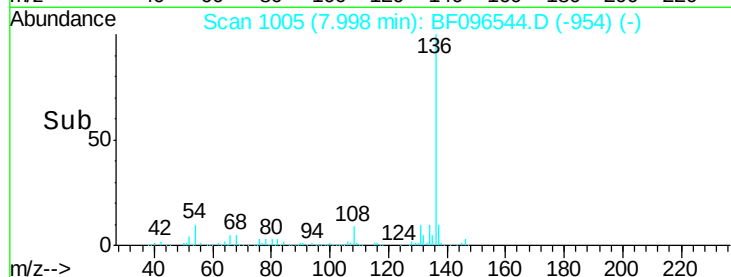
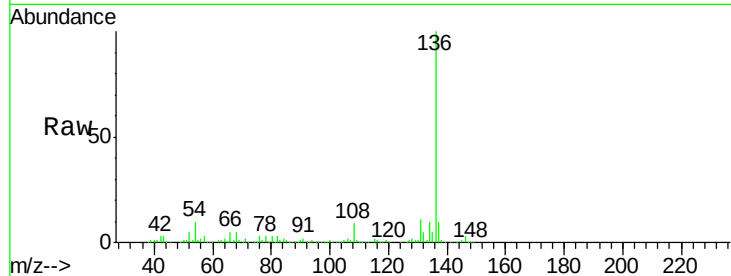
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Instrument :
BNA_F
ClientSampleId :
B3-13-13.5

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	485825		
137	10.4	8.5	12.7	
54	9.8	4.9	7.3#	
68	5.1	4.1	6.1	

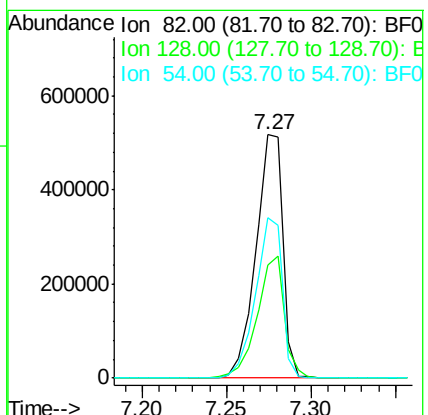
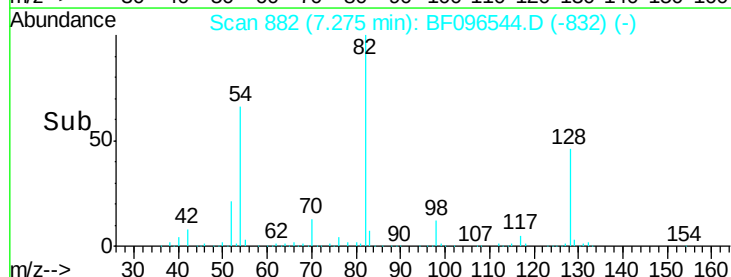
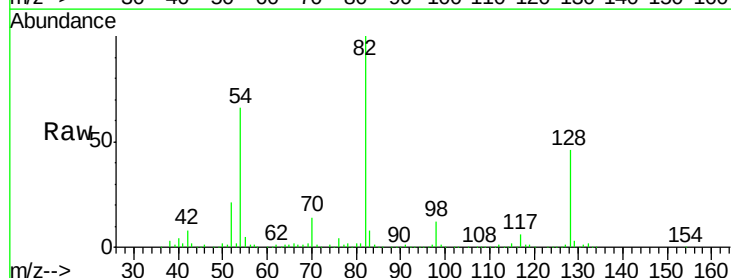
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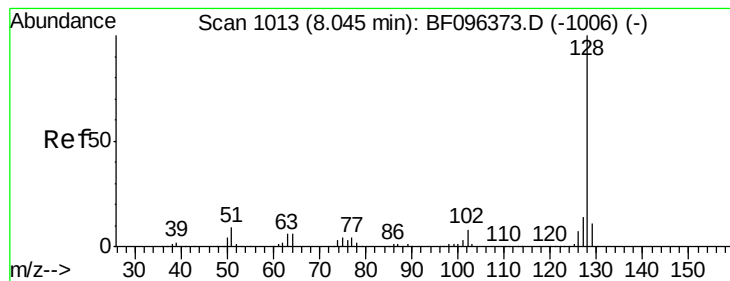
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#23
Nitrobenzene-d5
Concen: 71.070 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	574588		
128	46.2	34.0	51.0	
54	66.1	42.2	63.2#	





#31

Naphthalene

Concen: 25.253 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Instrument :

BNA_F

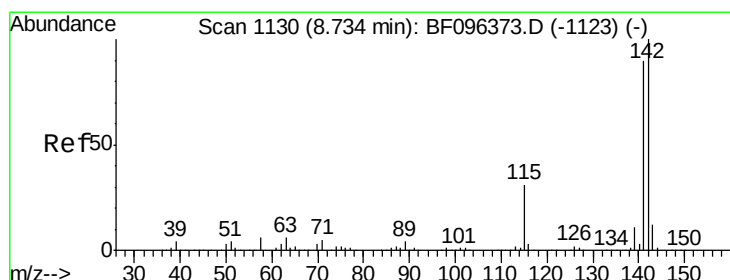
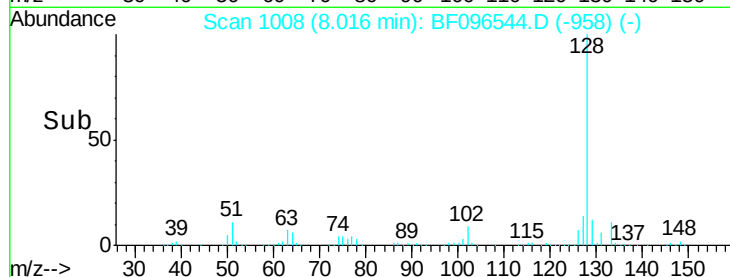
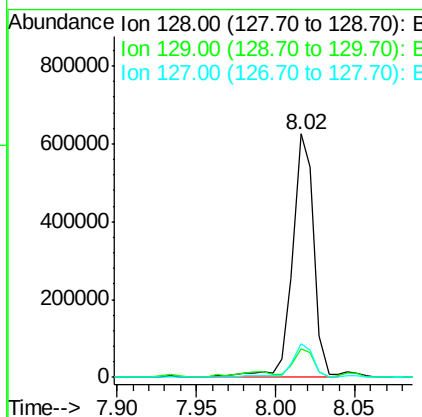
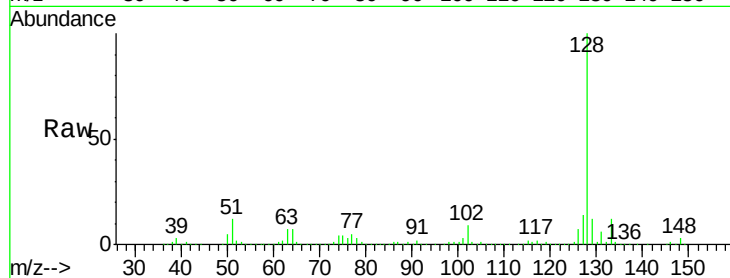
ClientSampleId :

B3-13-13.5

Tgt Ion:	128	Resp:	579197
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.0	13.6
127	13.6	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 3.587 ng

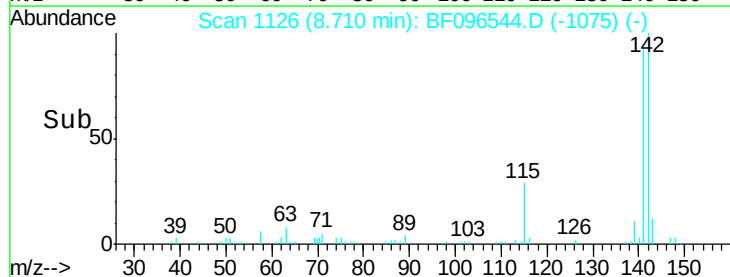
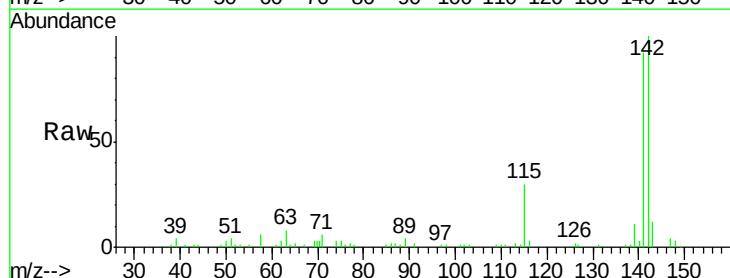
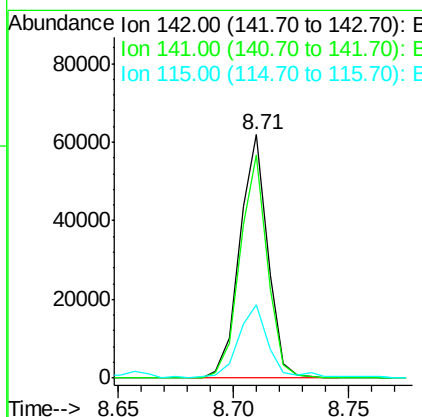
RT: 8.71 min Scan# 1126

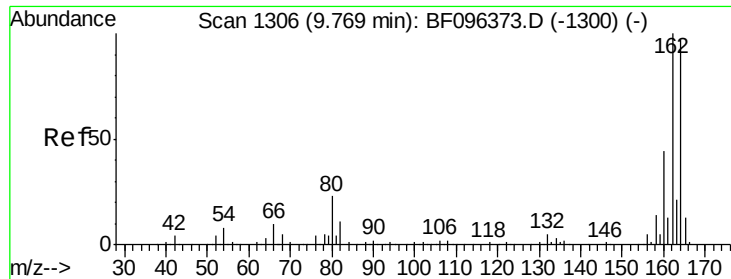
Delta R.T. -0.00 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Tgt Ion:	142	Resp:	52372
Ion Ratio	Lower	Upper	
142	100		
141	91.6	71.3	106.9
115	30.0	27.1	40.7





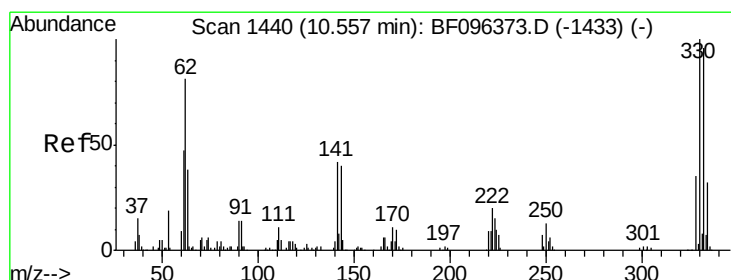
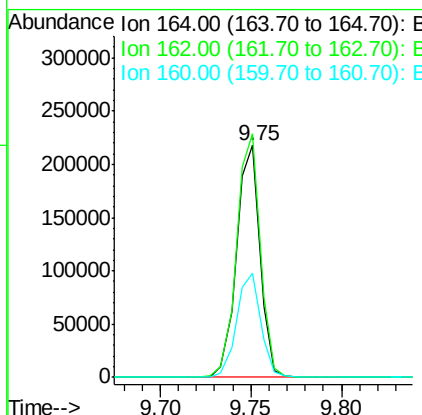
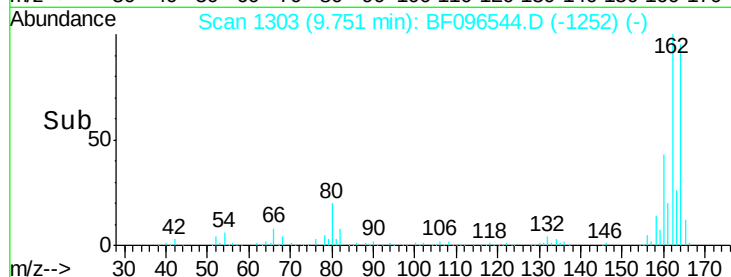
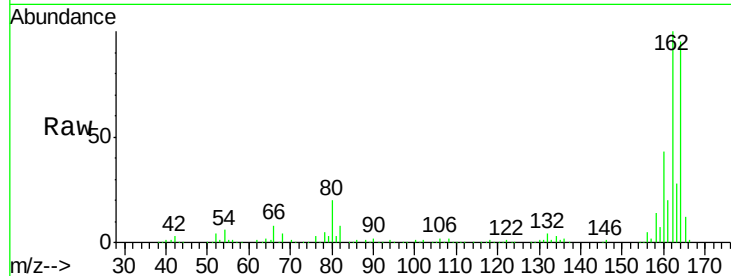
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Instrument :
BNA_F
ClientSampleId :
B3-13-13.5

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	196081		
162	105.0	82.6	123.8	
160	44.8	36.2	54.2	

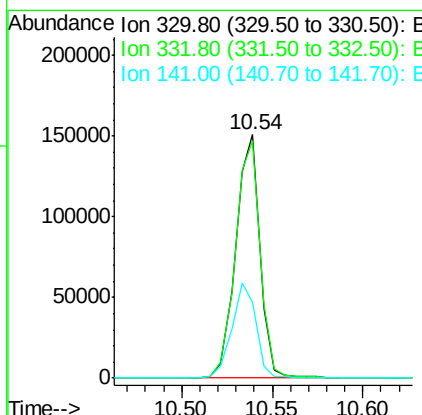
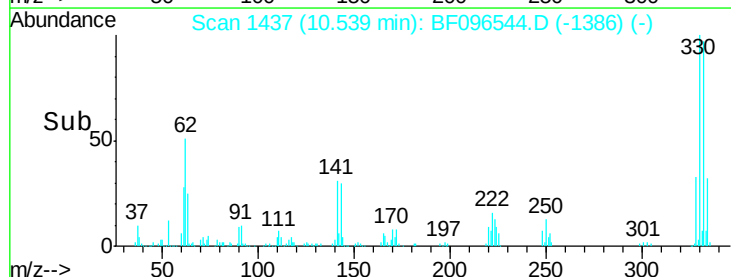
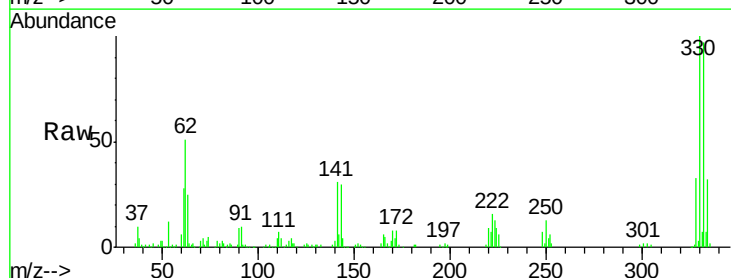
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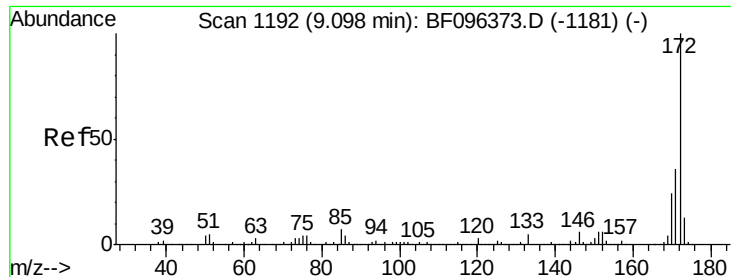
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#41
2,4,6-Tribromophenol
Concen: 90.988 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	139361		
332	100.1	76.6	115.0	
141	39.4	31.4	47.2	





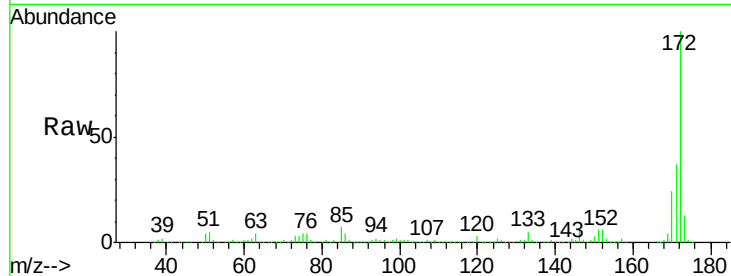
#44
2-Fluorobiphenyl
Concen: 75.018 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Instrument :
BNA_F
ClientSampleId :
B3-13-13.5

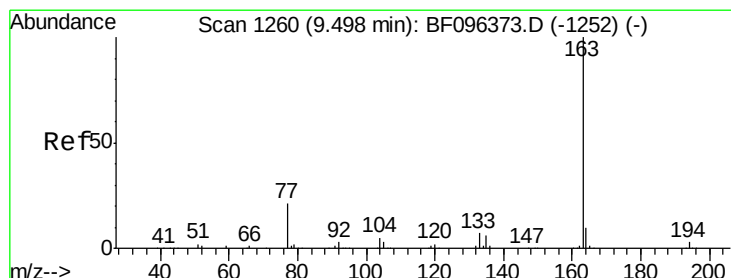
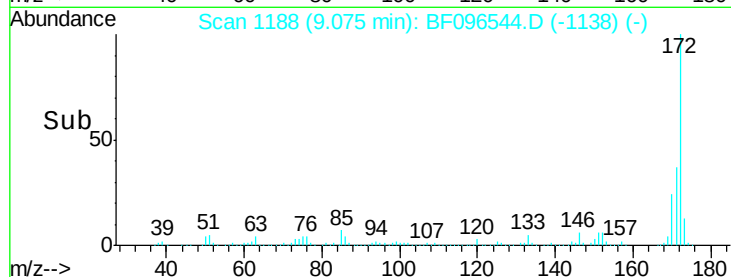
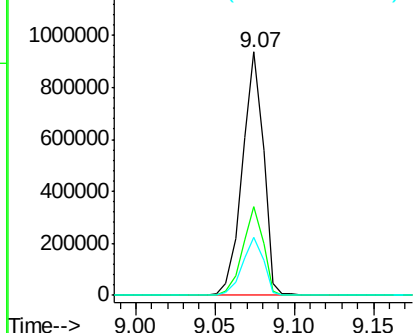
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	860323		
171	36.6		29.6	44.4
170	23.9		19.8	29.8

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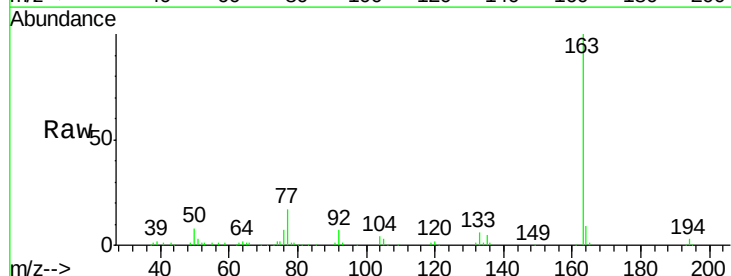


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

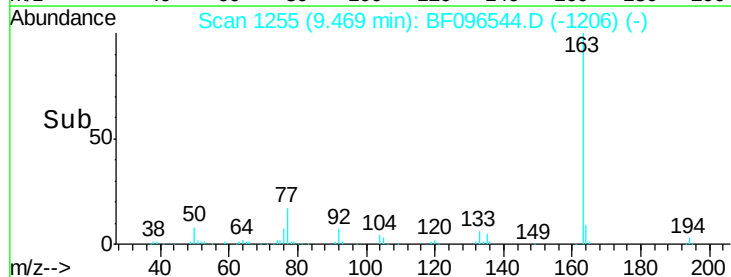
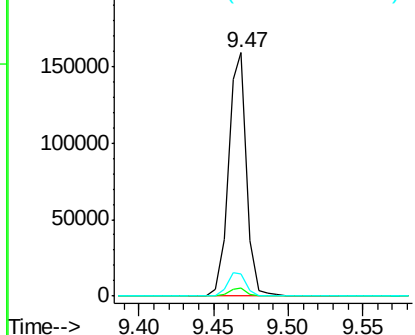


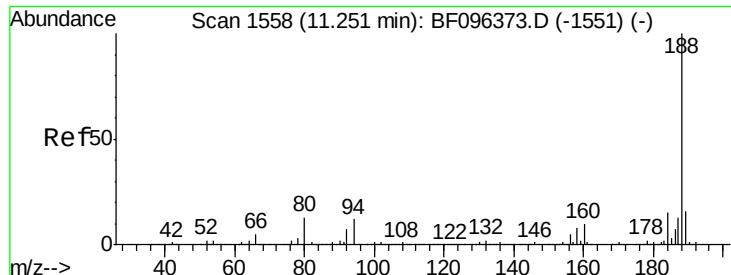
#49
Dimethylphthalate
Concen: 9.353 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	136899		
194	3.4		2.6	4.0
164	9.1		8.4	12.6



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Instrument :

BNA_F

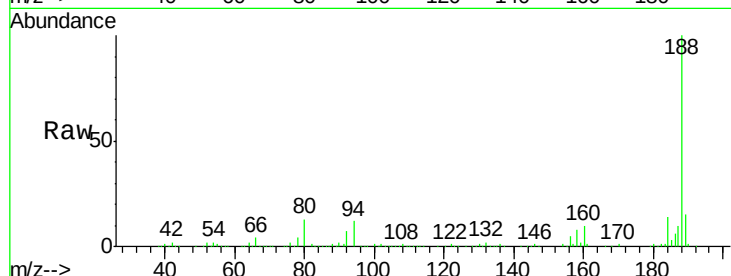
ClientSampleId :

B3-13-13.5

Tgt Ion:	188	Resp:	280856
Ion Ratio	Lower	Upper	
188	100		
94	12.4	9.4	14.2
80	12.9	10.2	15.2

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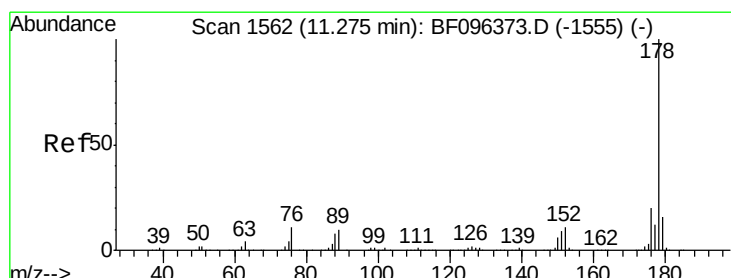
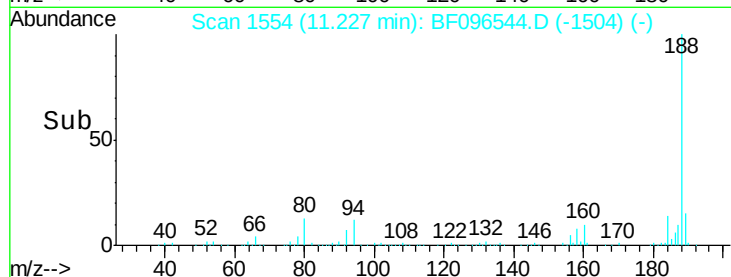
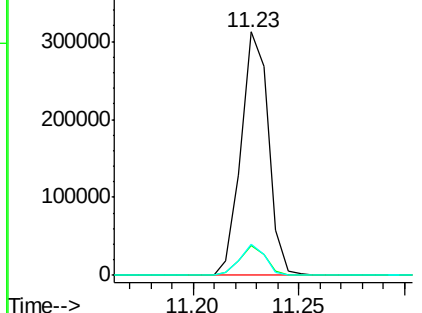
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 2.948 ng

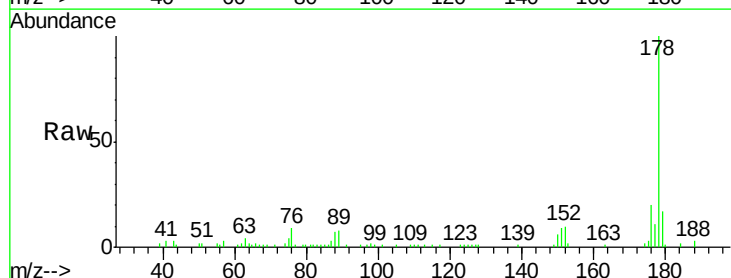
RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

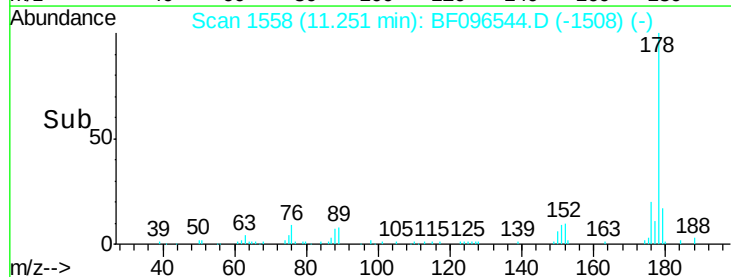
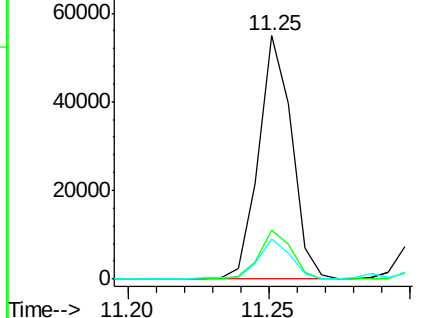
Tgt Ion:	178	Resp:	44758
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.2	24.4
179	16.6	12.6	19.0

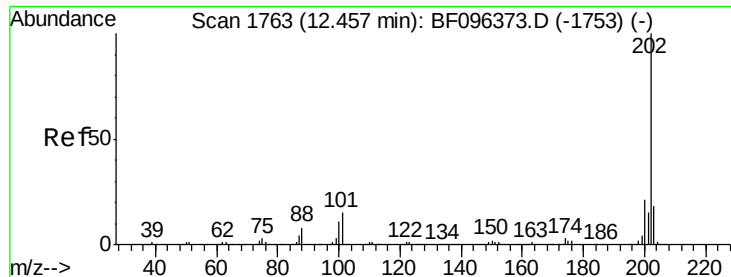


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.316 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Instrument :

BNA_F

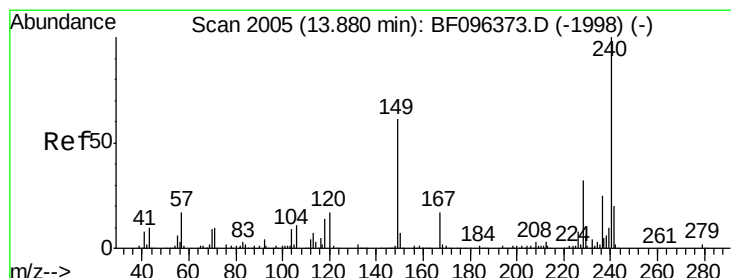
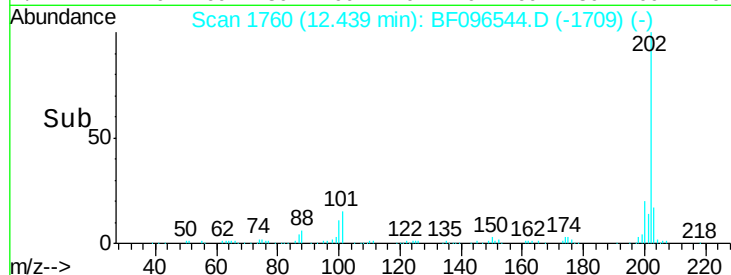
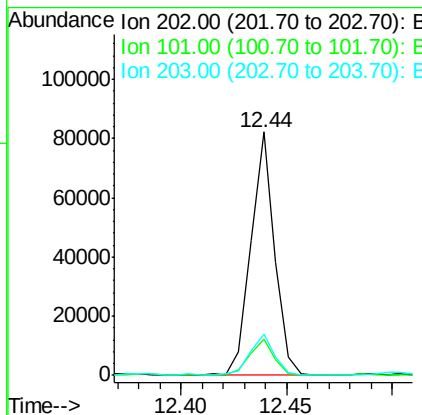
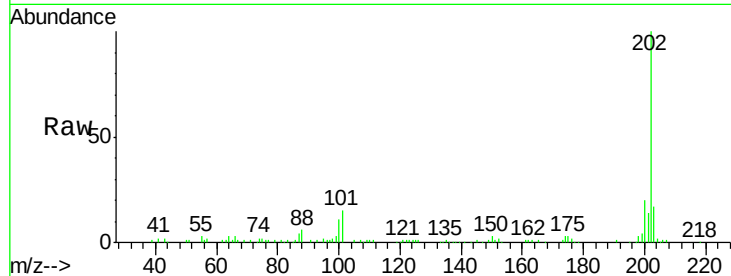
ClientSampled :

B3-13-13.5

Tgt Ion:	202	Resp:	64243
Ion Ratio	Lower	Upper	
202	100		
101	15.0	0.0	33.2
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

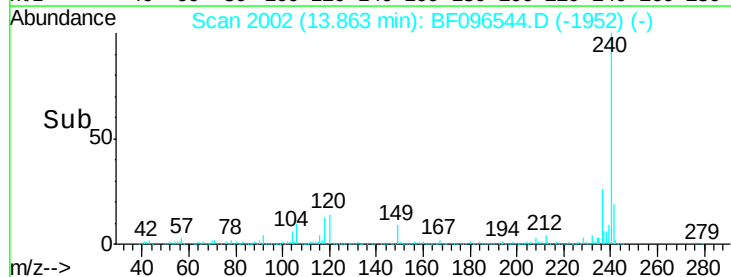
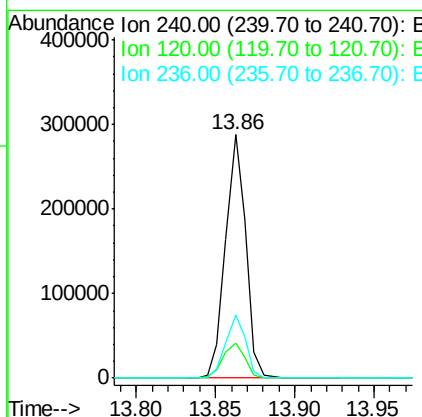
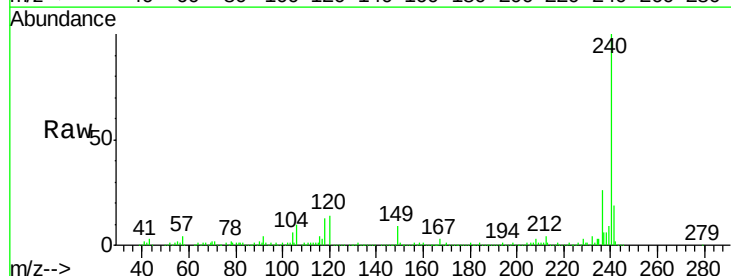
RT: 13.86 min Scan# 2002

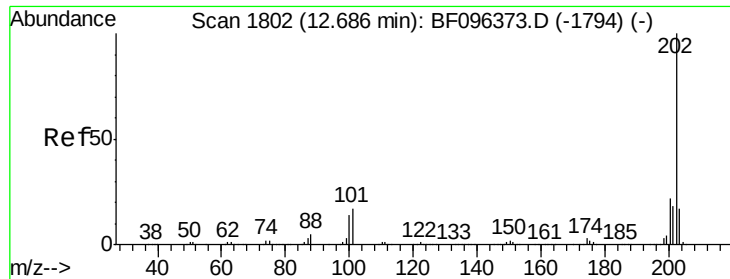
Delta R.T. -0.01 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Tgt Ion:	240	Resp:	255977
Ion Ratio	Lower	Upper	
240	100		
120	14.4	5.8	8.8#
236	25.9	20.5	30.7





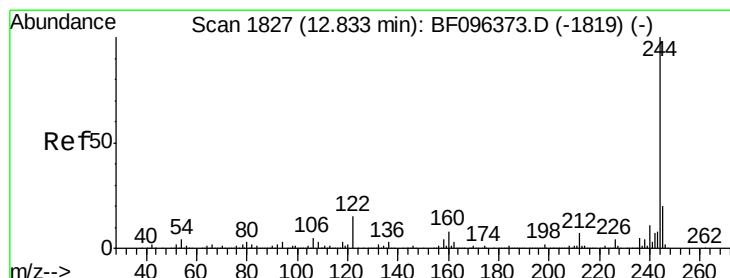
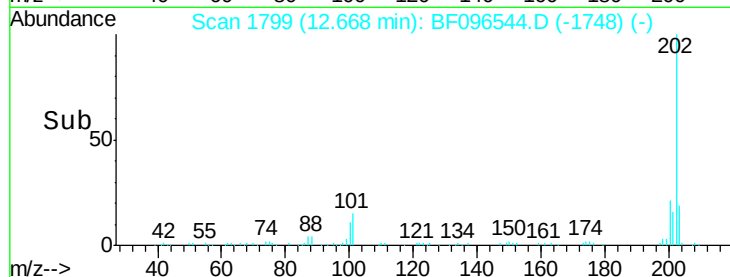
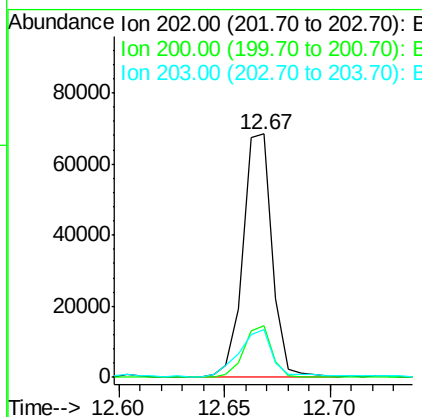
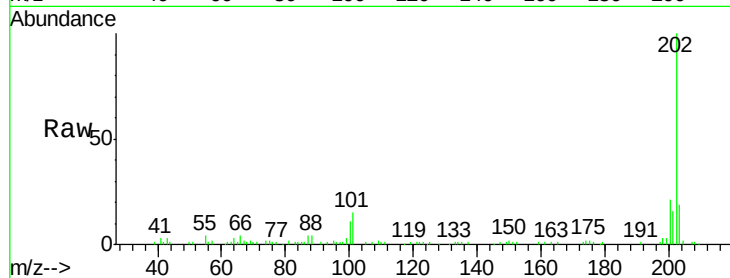
#77
 Pyrene
 Concen: 3.198 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Instrument :
 BNA_F
 ClientSampleId :
 B3-13-13.5

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	19.4	14.4	21.6

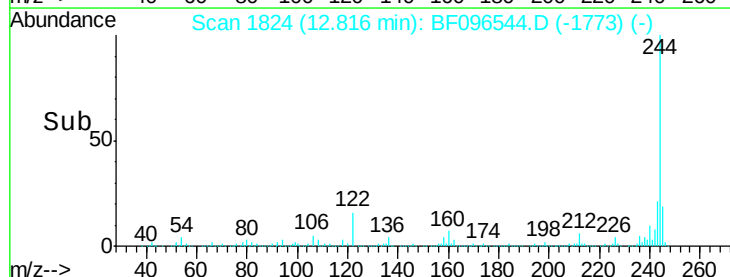
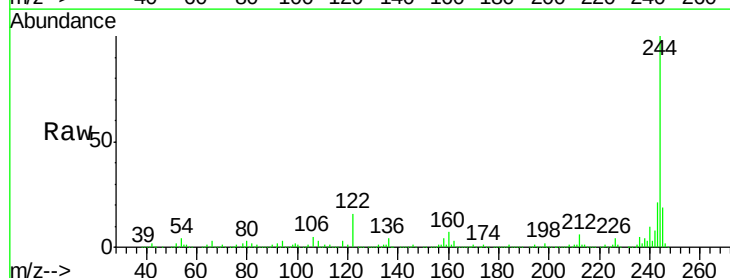
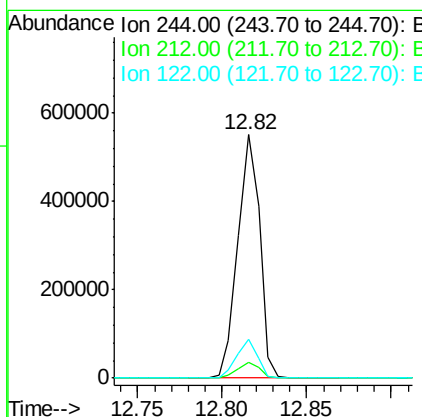
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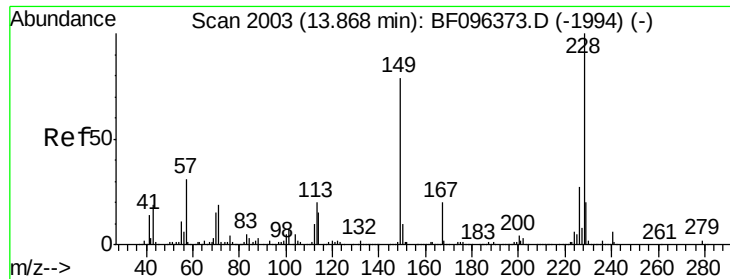
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#78
 Terphenyl-d14
 Concen: 41.666 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	15.8	10.3	15.5





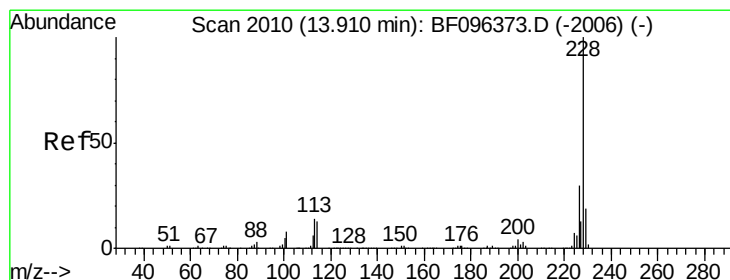
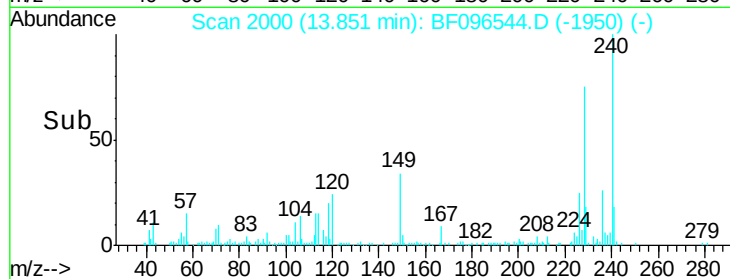
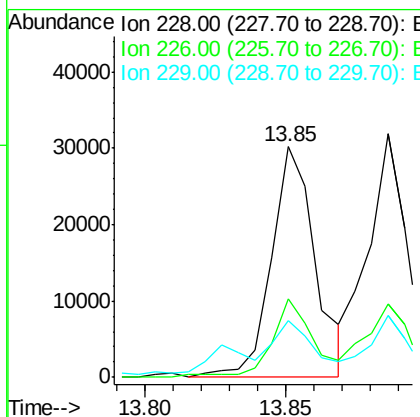
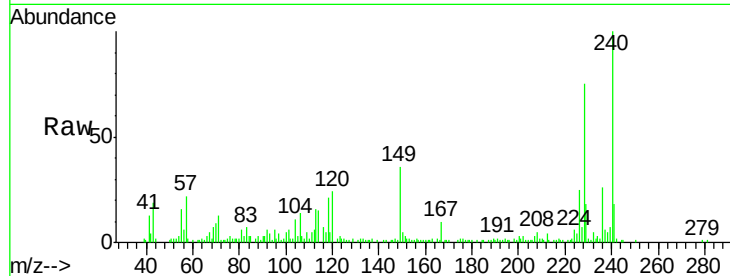
#80
Benzo(a)anthracene
Concen: 2.203 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Instrument :
BNA_F
ClientSampleId :
B3-13-13.5

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.0	22.6	33.8#
229	24.6	16.3	24.5#

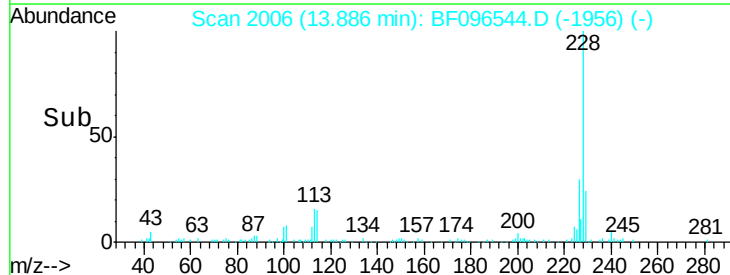
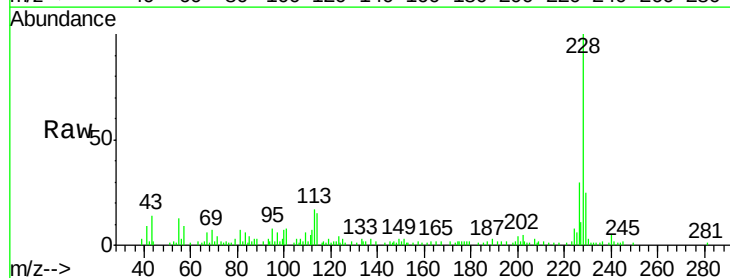
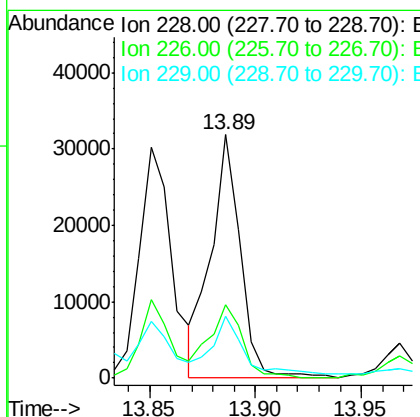
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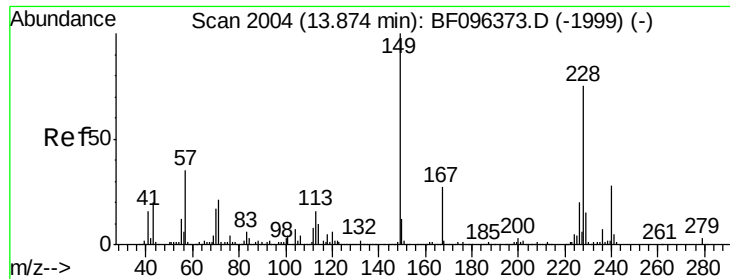
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#82
Chrysene
Concen: 2.009 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	25.2	15.8	23.6#





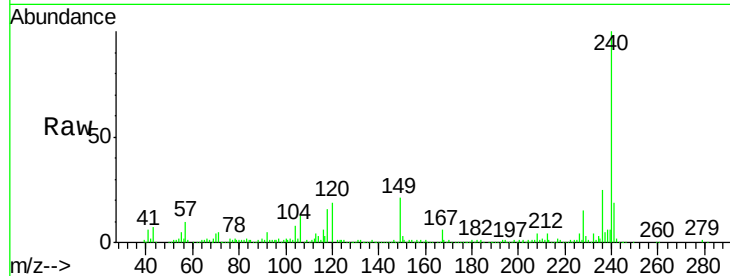
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.586 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Instrument :
 BNA_F
 ClientSampleId :
 B3-13-13.5

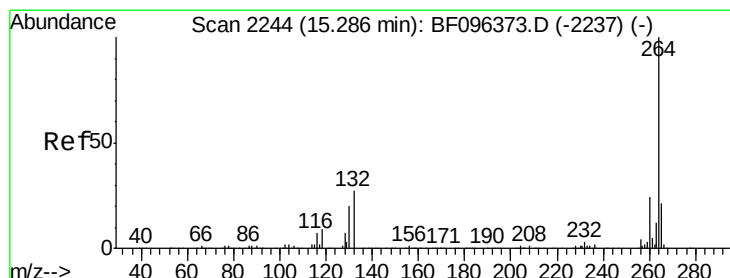
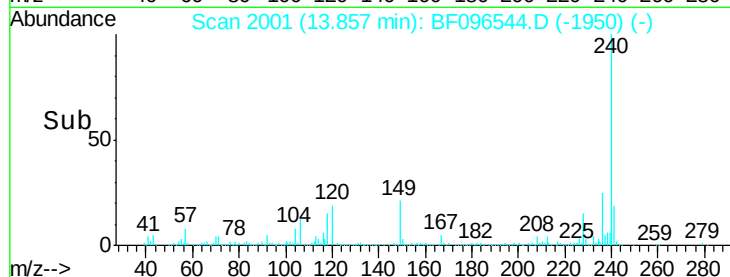
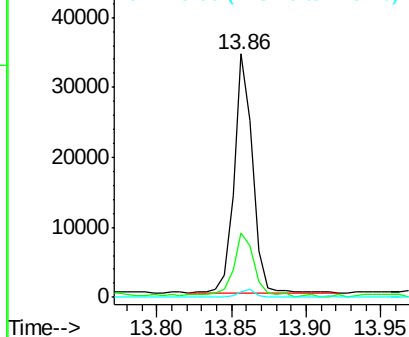
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	2.5	1.9	2.9

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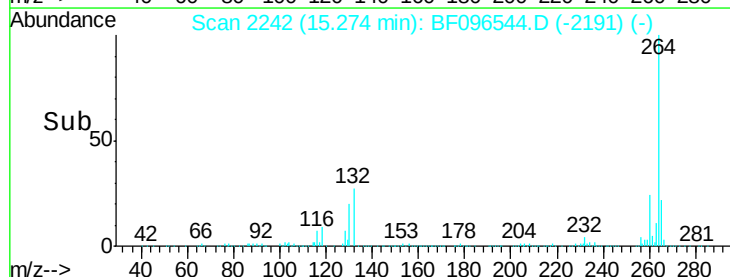
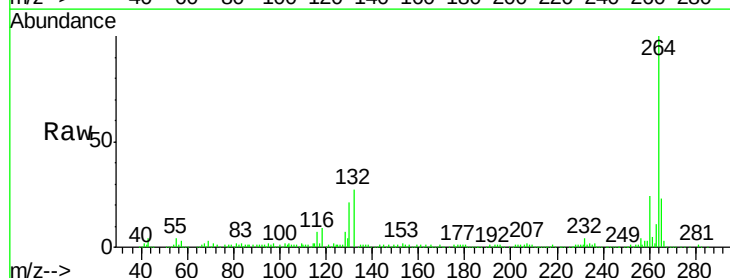
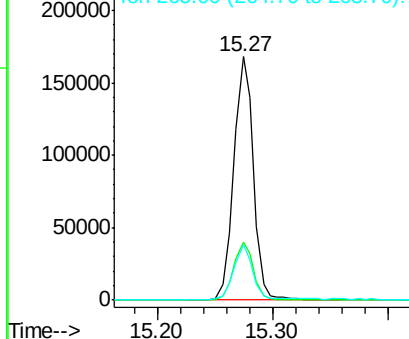
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

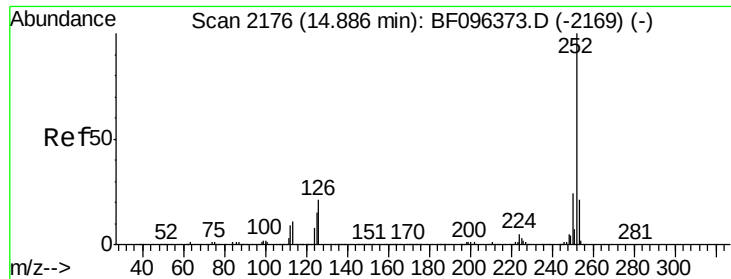


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	22.7	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.083 ng m

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Instrument :

BNA_F

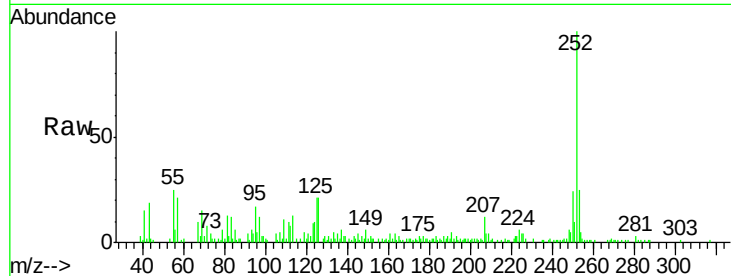
ClientSampleId :

B3-13-13.5

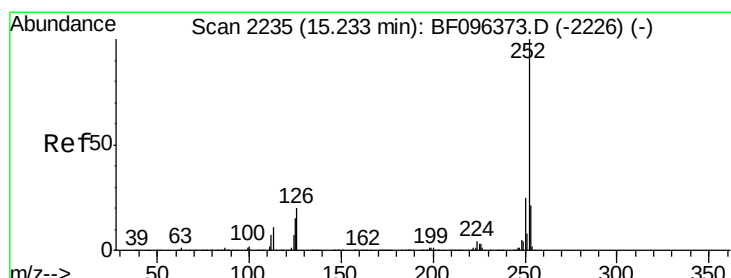
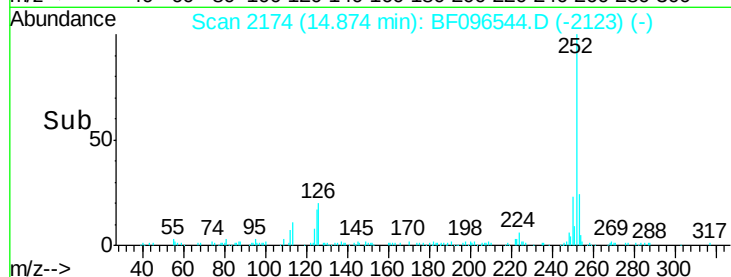
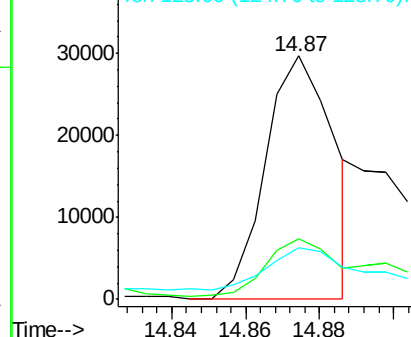
Tgt Ion:	252	Resp:	38117
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.1	27.1
125	21.3	9.8	14.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.694 ng

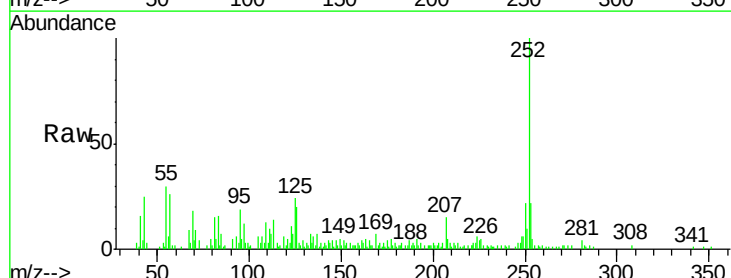
RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Tgt Ion:	252	Resp:	29732
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	24.2	11.0	16.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

