

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096828.D
 Acq On : 17 Jul 2017 19:18
 Operator : SJ/JU
 Sample : I4203-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SB04A

Manual Integrations
 APPROVED

mohammad
 7/20/2017 8:38:35 AM

Quant Time: Jul 18 03:49:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	108106	20.00	ng	-0.02
21) Naphthalene-d8	7.89	136	417377	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	154532	20.00	ng	-0.03
63) Phenanthrene-d10	11.11	188	219834	20.00	ng	-0.04
75) Chrysene-d12	13.74	240	233161	20.00	ng	-0.04
86) Perylene-d12	15.12	264	199742	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	755566	105.09	ng	-0.01
7) Phenol-d6	6.26	99	785126	91.00	ng	-0.02
23) Nitrobenzene-d5	7.17	82	449787	66.75	ng	-0.03
41) 2,4,6-Tribromophenol	10.42	330	114074	86.48	ng	-0.04
44) 2-Fluorobiphenyl	8.97	172	755953	77.29	ng	-0.03
78) Terphenyl-d14	12.70	244	492097	36.60	ng	-0.04
Target Compounds						
10) Phenol	6.27	94	33253	3.409	ng	92
48) Acenaphthylene	9.50	152	51761	3.329	ng	97
49) Dimethylphthalate	9.36	163	102530	8.812	ng	99
70) Phenanthrene	11.13	178	199099	16.657	ng	99
71) Anthracene	11.19	178	75864	6.277	ng	98
74) Fluoranthene	12.32	202	386089	33.745	ng	97
77) Pyrene	12.54	202	394645	18.650	ng	98
80) Benzo(a)anthracene	13.73	228	230378	15.858	ng	96
82) Chrysene	13.76	228	218552	15.281	ng	98
85) Indeno(1,2,3-cd)pyrene	16.40	276	93432	10.064	ng	94
87) Benzo(b)fluoranthene	14.74	252	277146m	23.006	ng	
88) Benzo(k)fluoranthene	14.76	252	81593m	7.153	ng	
89) Benzo(a)pyrene	15.06	252	179680	16.262	ng	98
91) Benzo(a,h,i)perylene	16.79	276	86643	7.958	ng	97

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

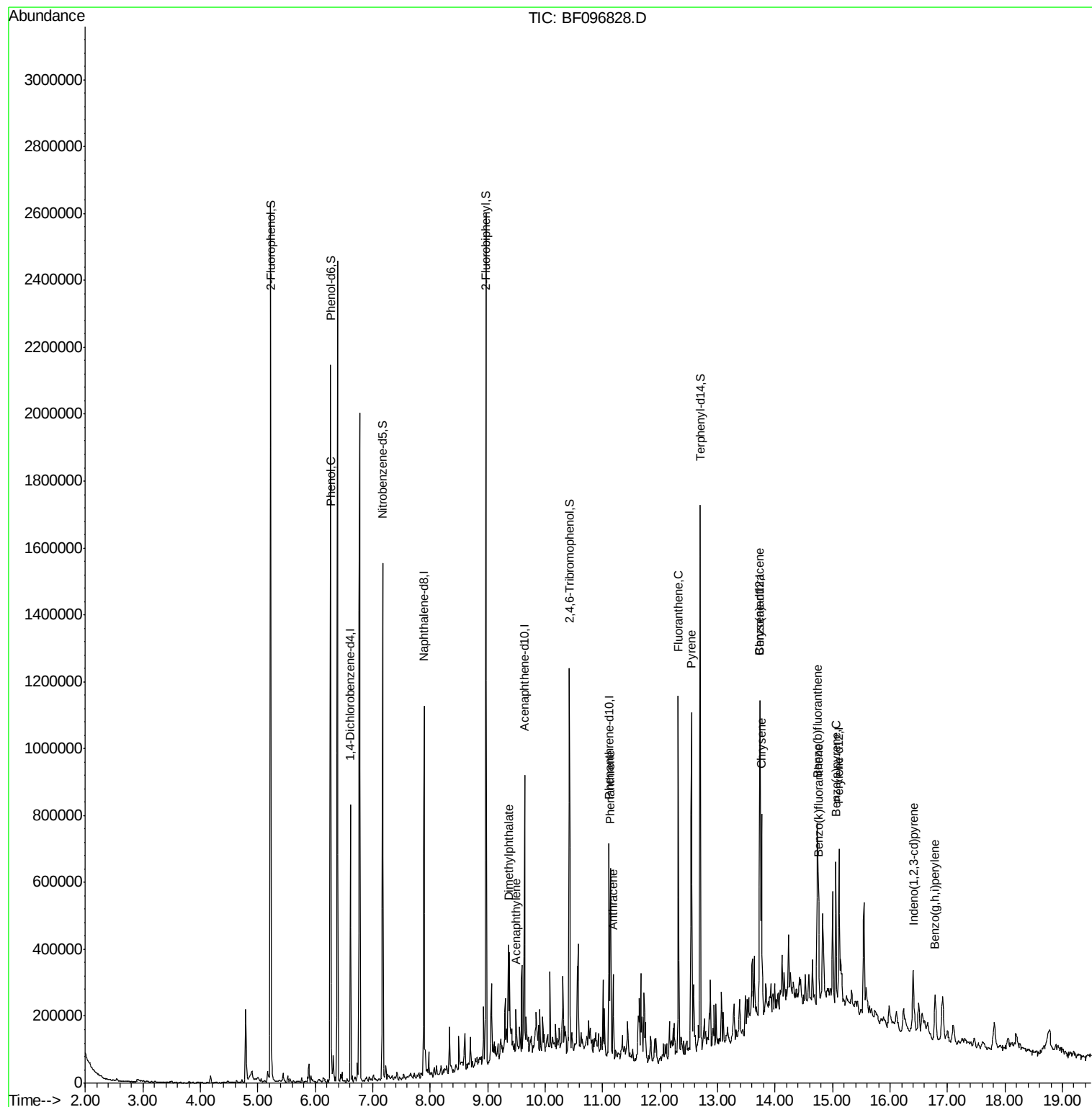
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
Data File : BF096828.D
Acq On : 17 Jul 2017 19:18
Operator : SJ/JU
Sample : I4203-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

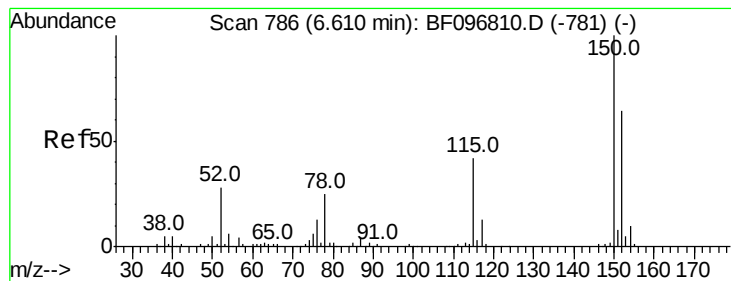
Instrument :
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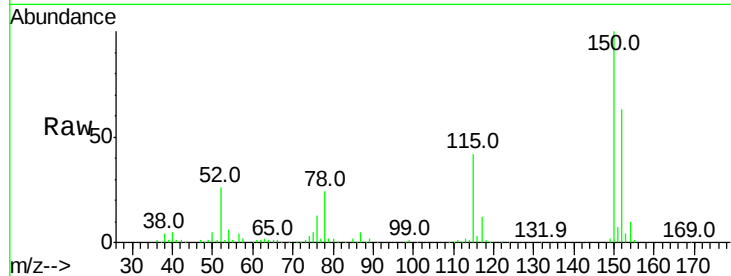
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: BF096828.D
 Acq: 17 Jul 2017 19:18

Instrument :
 BNA_F
 ClientSampleId :
 NB-SB04A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.2	189.2
115	66.0	52.2	78.2

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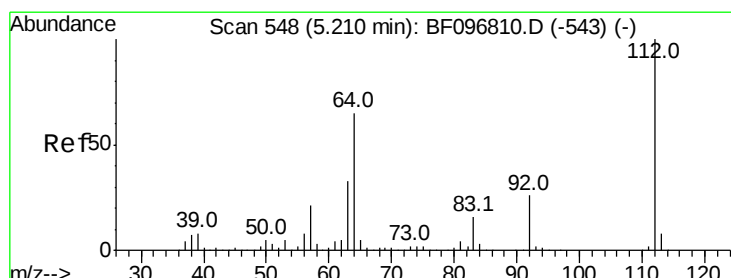
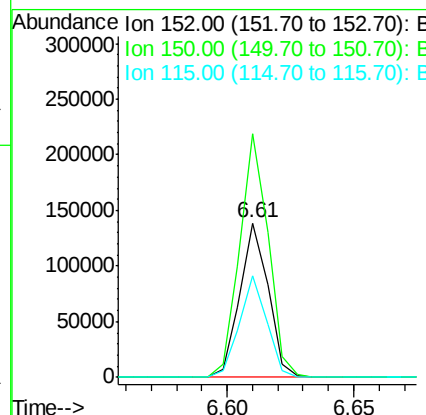
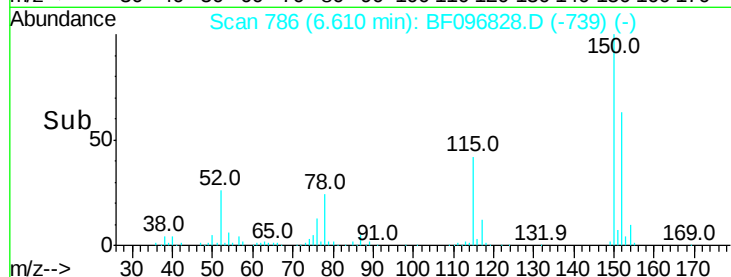


Abundance

Ion 152.00 (151.70 to 152.70): E

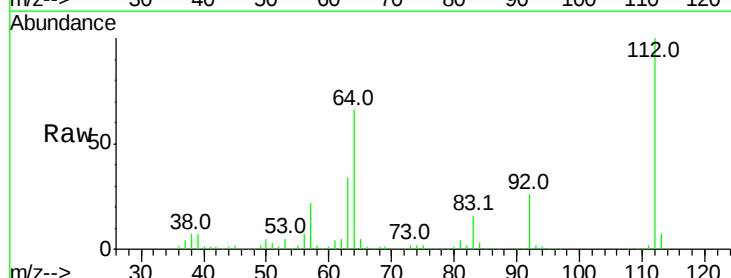
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 105.087 ng
 RT: 5.22 min Scan# 550
 Delta R.T. -0.01 min
 Lab File: BF096828.D
 Acq: 17 Jul 2017 19:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	46.0	69.0
63	34.0	23.4	35.0

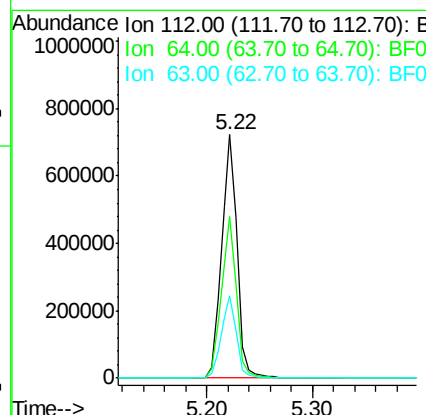
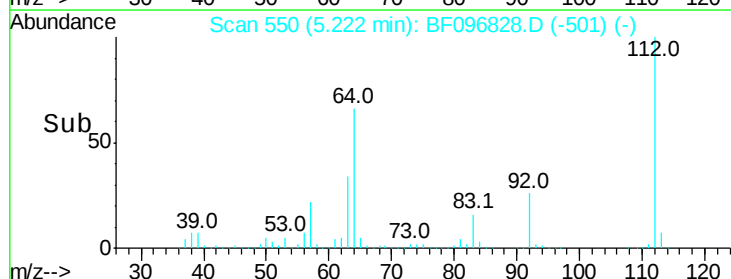


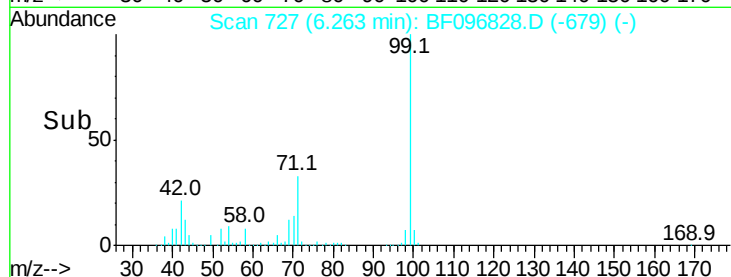
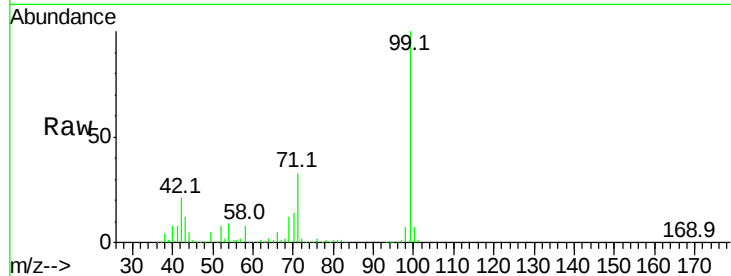
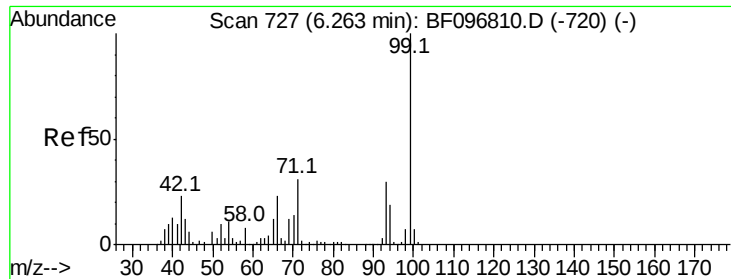
Abundance

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: 90.997 ng

RT: 6.26 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Tot Ion	99	Resp	785126
Ion Ratio	Lower	Upper	
99	100		
42	21.5	13.5	20.3#
71	33.3	24.5	36.7

Instrument :

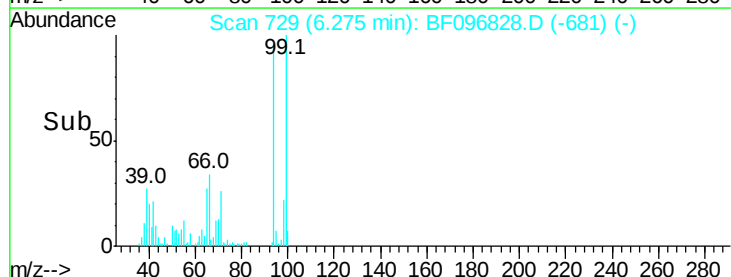
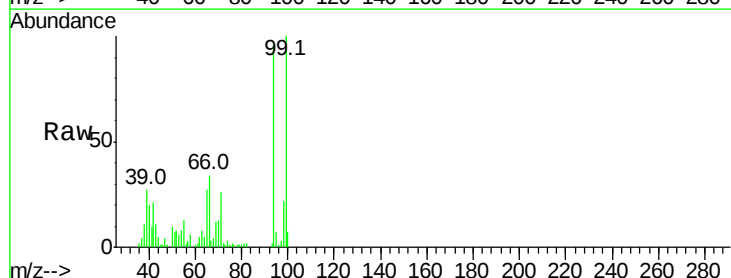
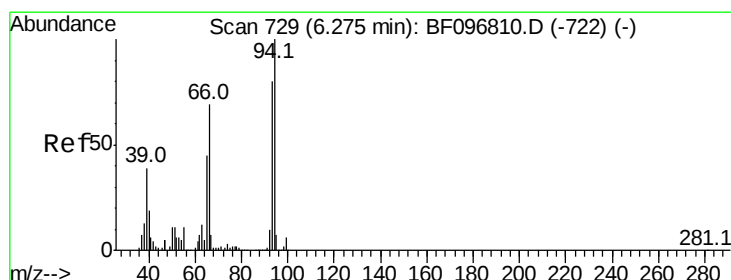
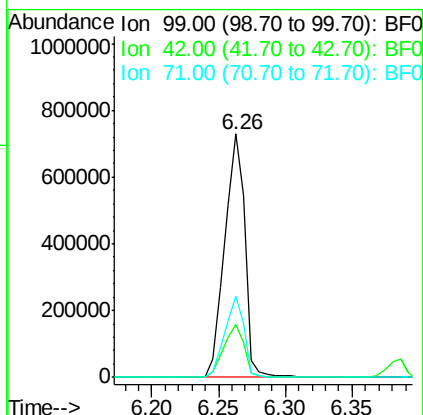
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.409 ng

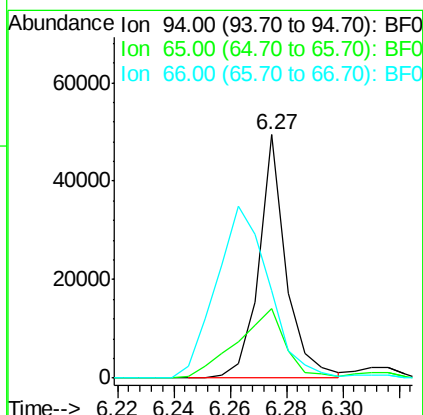
RT: 6.27 min Scan# 729

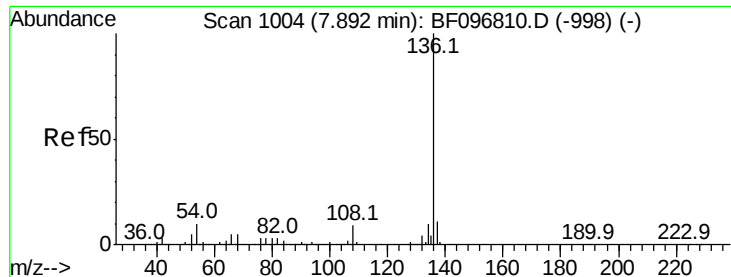
Delta R.T. -0.02 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Tgt Ion	94	Resp	33253
Ion Ratio	Lower	Upper	
94	100		
65	28.4	9.9	49.9
66	35.9	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.03 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

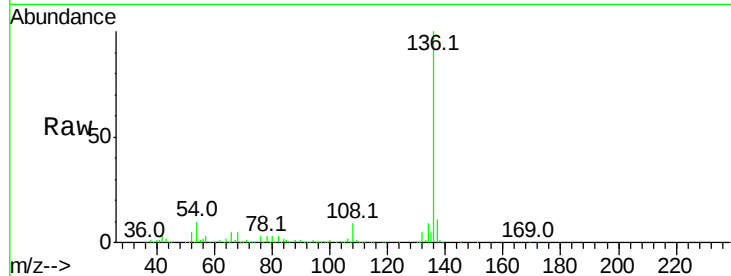
ClientSampleId :

NB-SB04A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	417377		
137	10.7	8.5	12.7	
54	9.9	4.9	7.3	
68	4.7	4.1	6.1	

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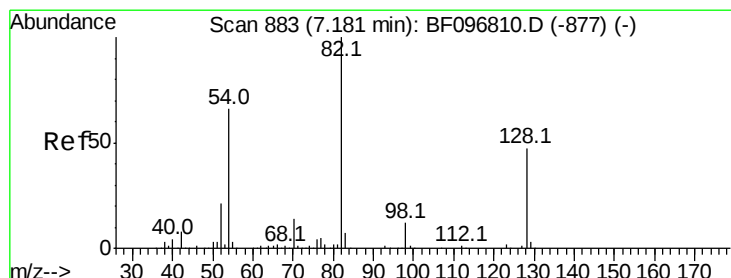
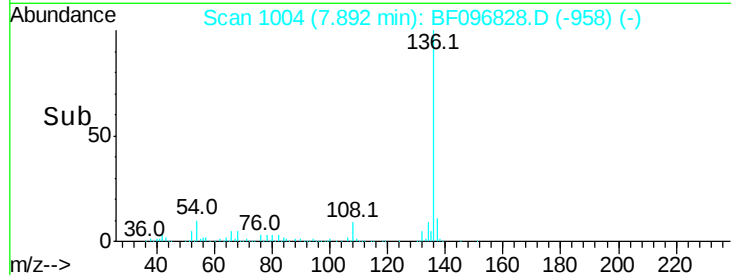
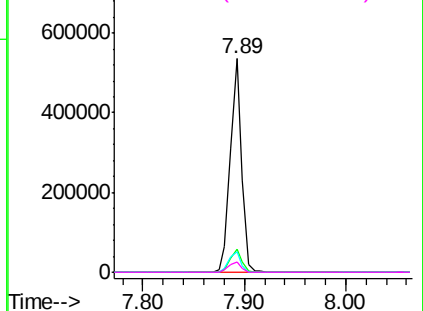


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 66.751 ng

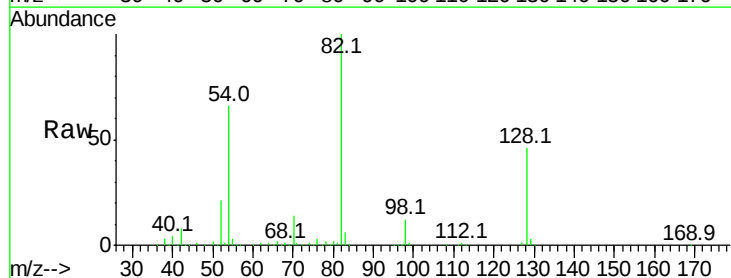
RT: 7.17 min Scan# 882

Delta R.T. -0.03 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

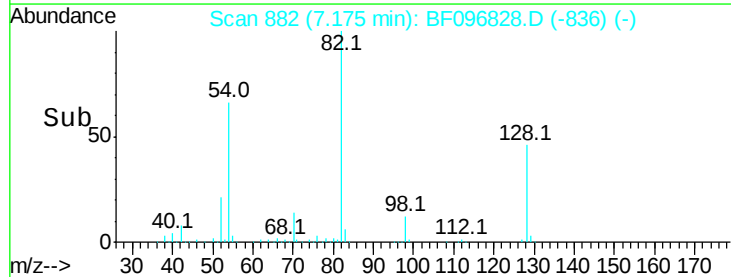
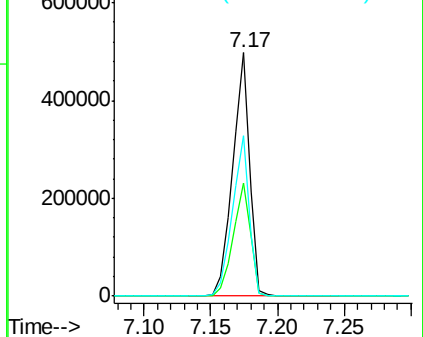
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	449787		
128	46.3	34.0	51.0	
54	66.0	42.2	63.2	

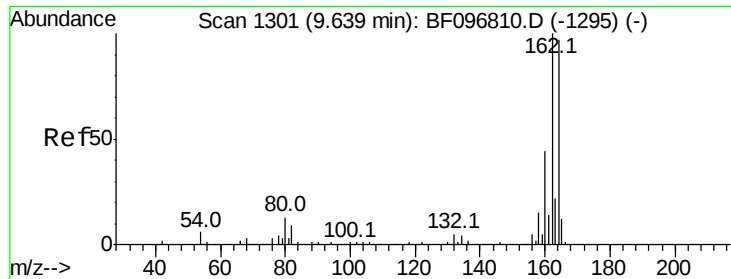


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1301

Delta R.T. -0.03 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

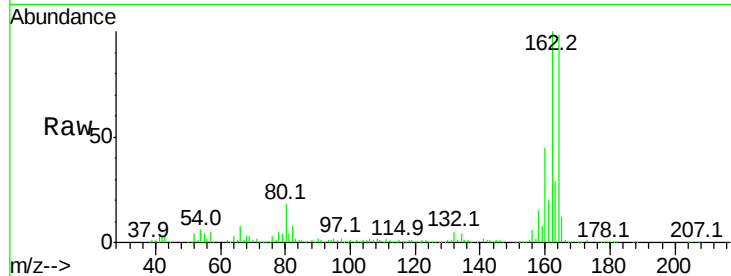
ClientSampleId :

NB-SB04A

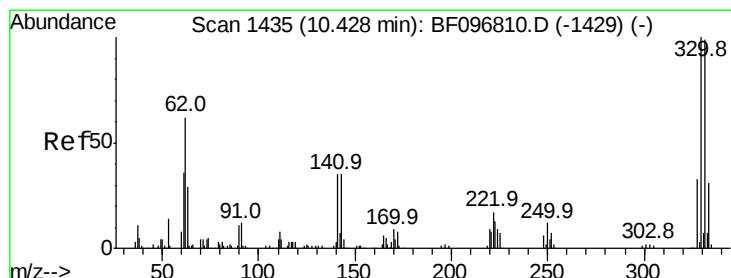
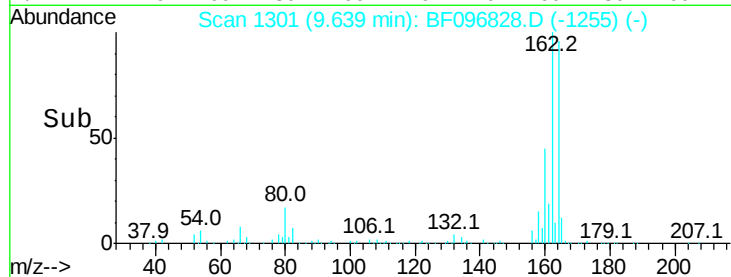
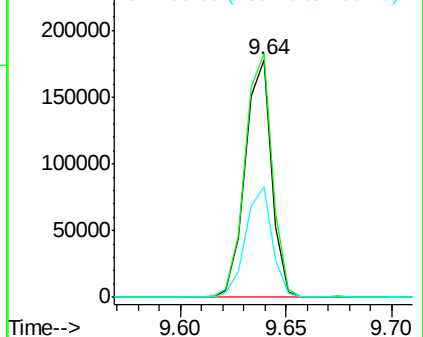
Tot Ion:	164	Resp:	154532
Ion Ratio	Lower	Upper	
164	100		
162	102.4	82.6	123.8
160	46.4	36.2	54.2

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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: 86.481 ng

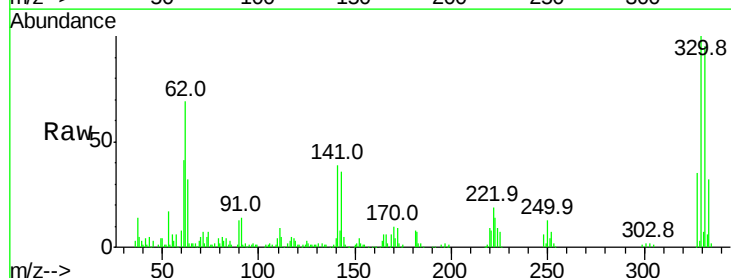
RT: 10.42 min Scan# 1434

Delta R.T. -0.04 min

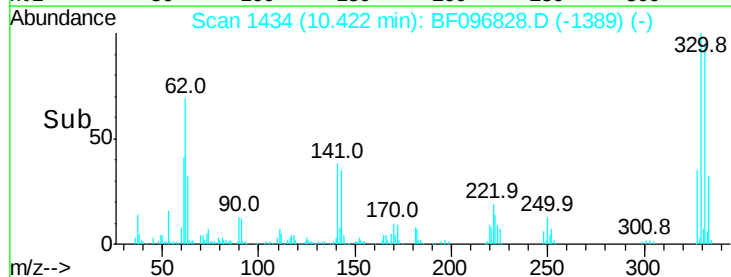
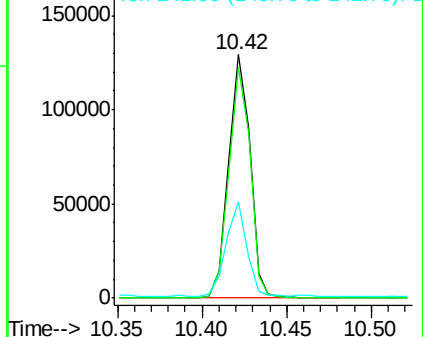
Lab File: BF096828.D

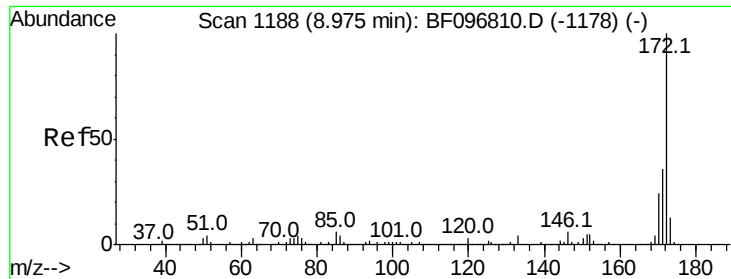
Acq: 17 Jul 2017 19:18

Tgt Ion:	330	Resp:	114074
Ion Ratio	Lower	Upper	
330	100		
332	94.6	76.6	115.0
141	37.6	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





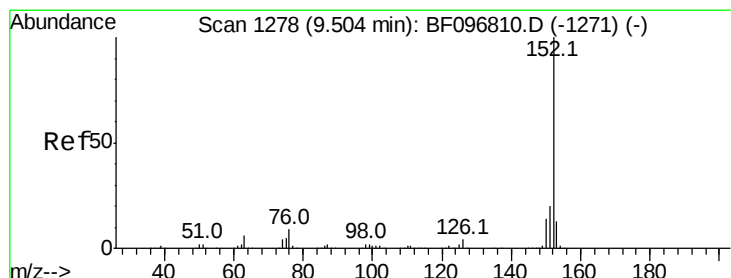
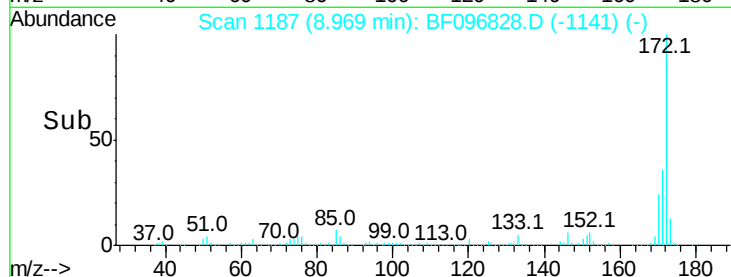
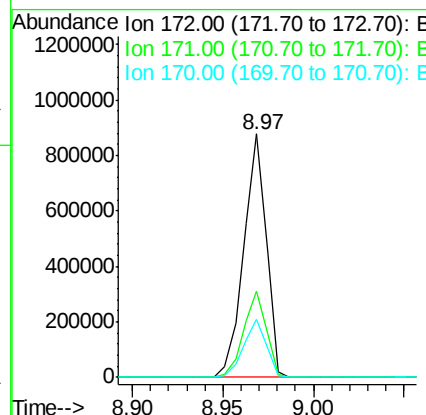
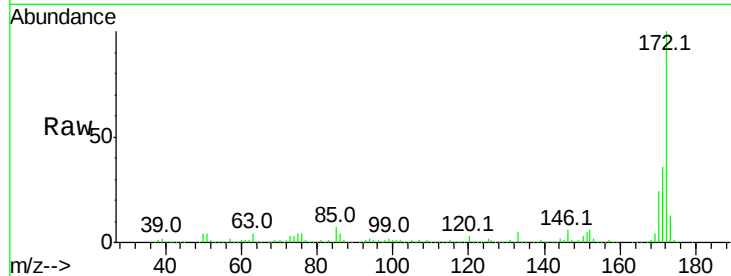
#44
2-Fluorobiphenyl
Concen: 77.288 ng
RT: 8.97 min Scan# 1187
Delta R.T. -0.03 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
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ClientSampleId :
NB-SB04A

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.6	44.4	
170	23.7	19.8	29.8	

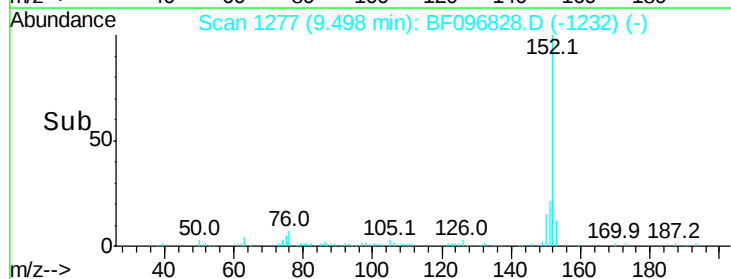
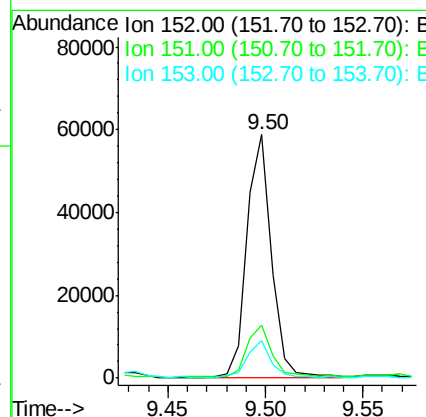
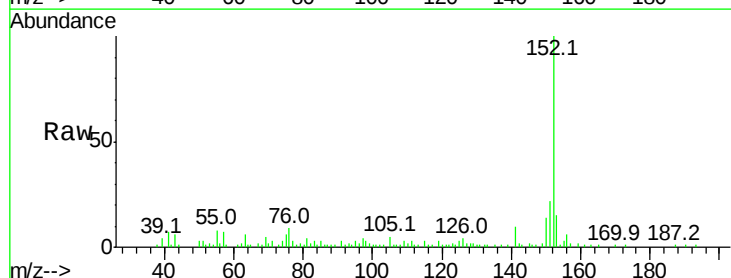
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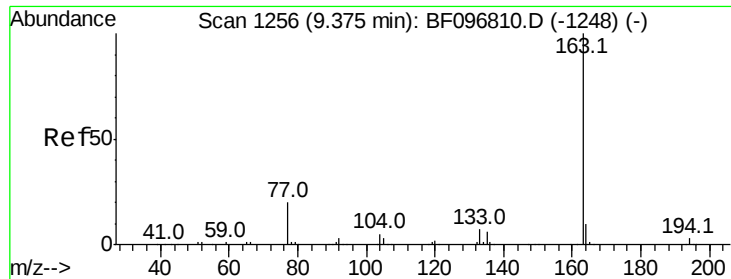
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#48
Acenaphthylene
Concen: 3.329 ng
RT: 9.50 min Scan# 1277
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.8	16.8	25.2	
153	15.2	10.8	16.2	





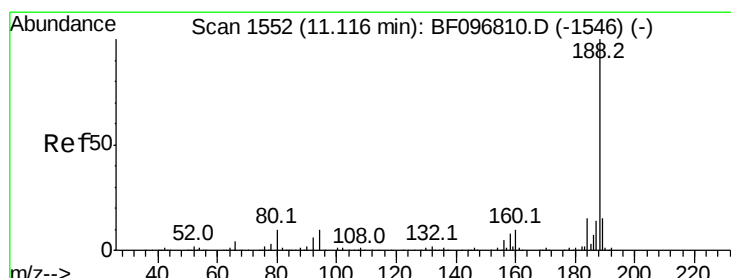
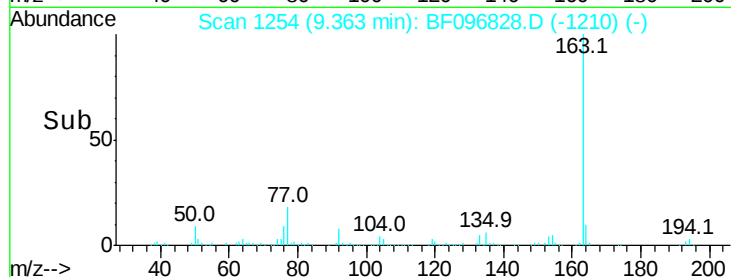
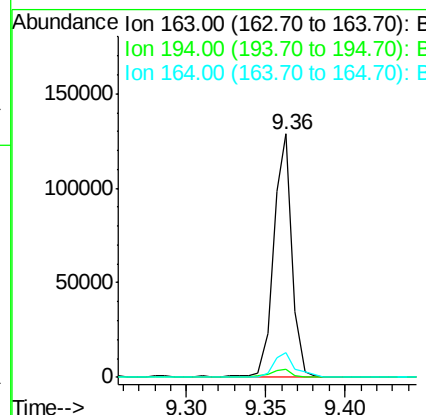
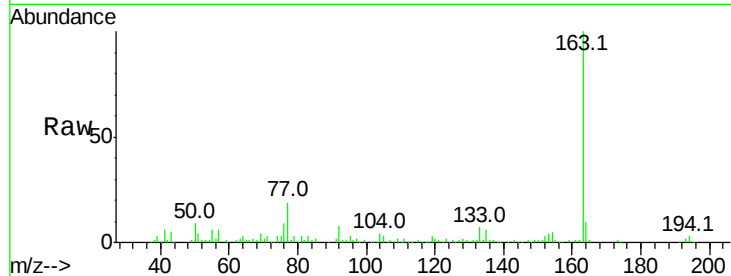
#49
Dimethylphthalate
Concen: 8.812 ng
RT: 9.36 min Scan# 1254
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
BNA_F
ClientSampleId :
NB-SB04A

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.6	4.0	
164	10.0	8.4	12.6	

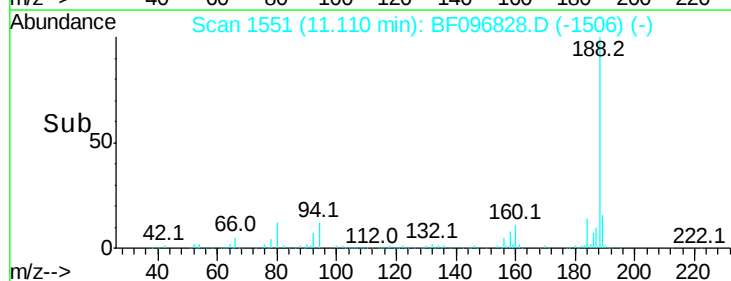
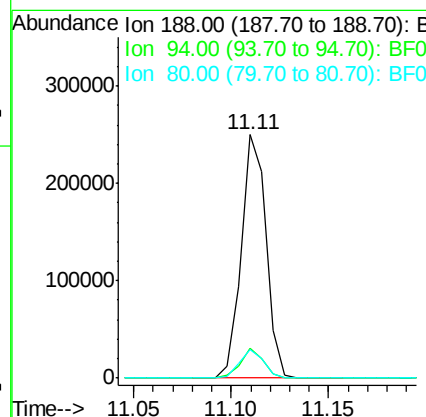
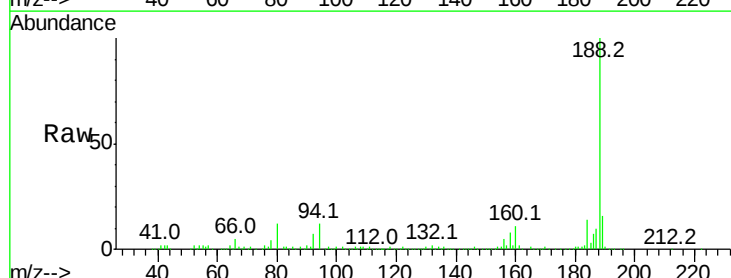
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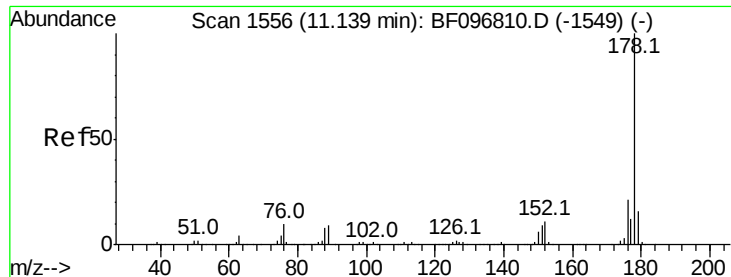
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1551
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.2	9.4	14.2	
80	11.9	10.2	15.2	





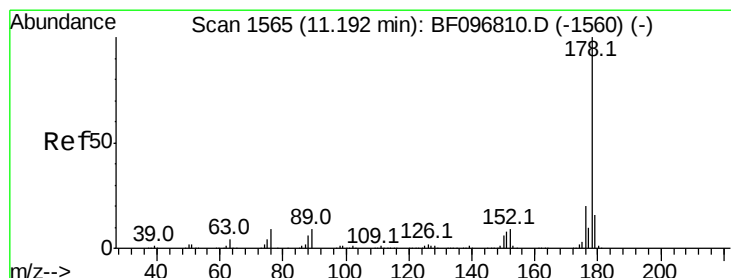
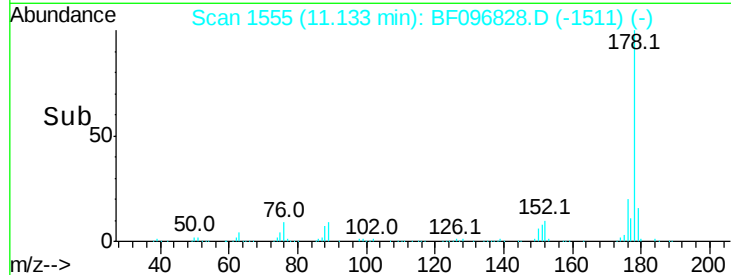
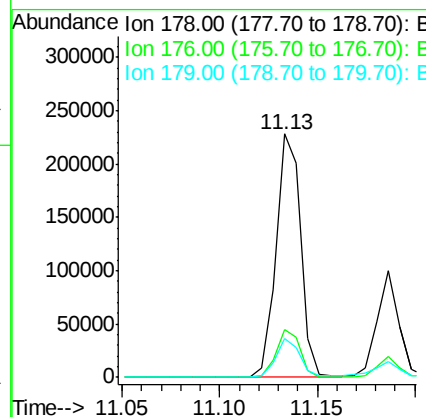
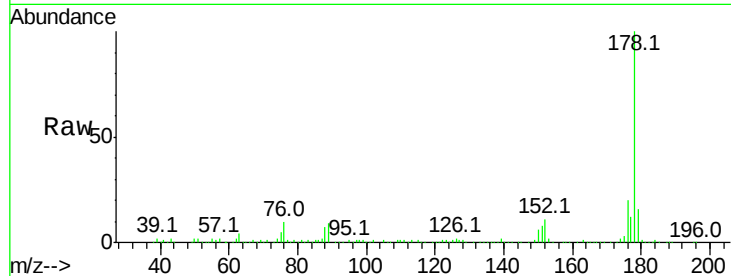
#70
Phenanthrene
Concen: 16.657 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
BNA_F
ClientSampleId :
NB-SB04A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	16.2	12.6	19.0

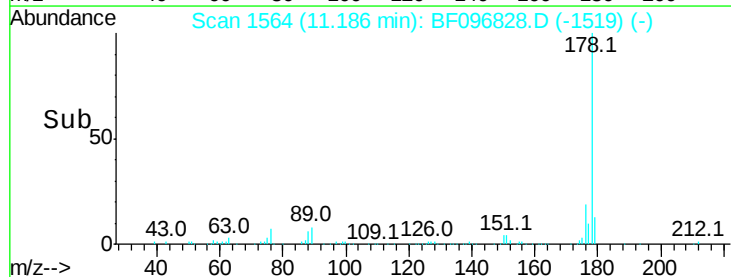
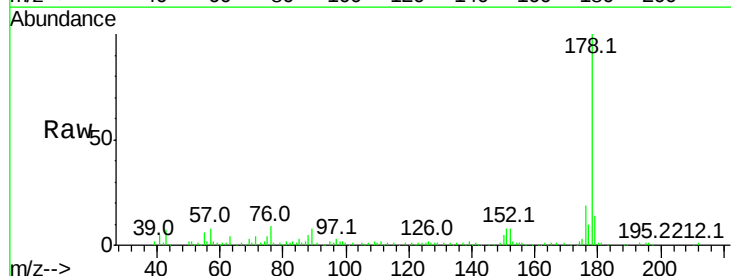
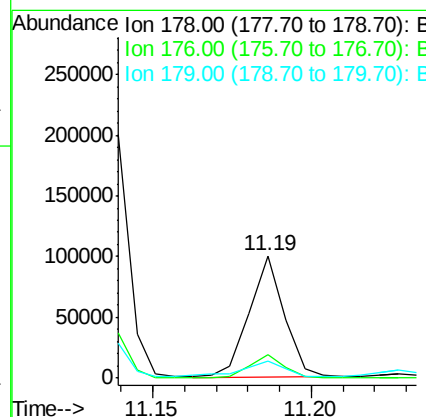
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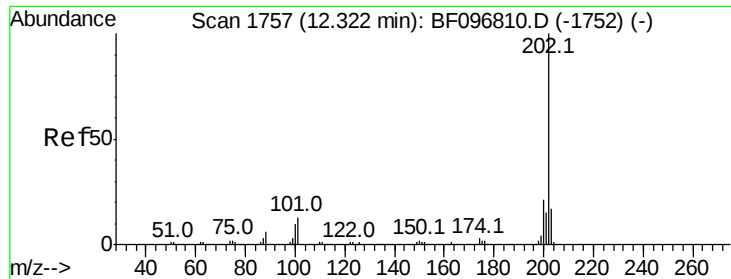
mohammad
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#71
Anthracene
Concen: 6.277 ng
RT: 11.19 min Scan# 1564
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.4	12.7	19.1





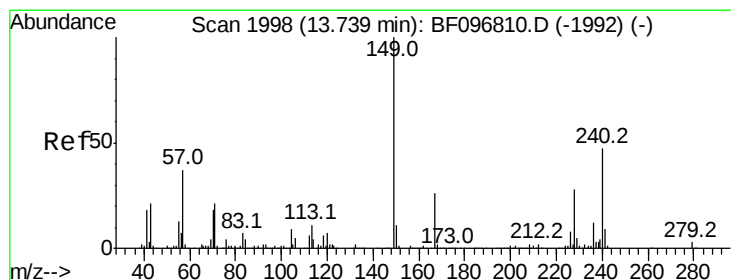
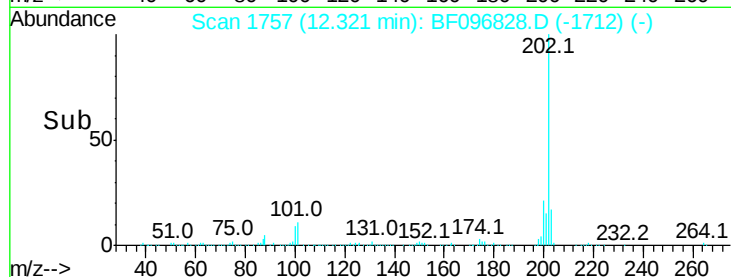
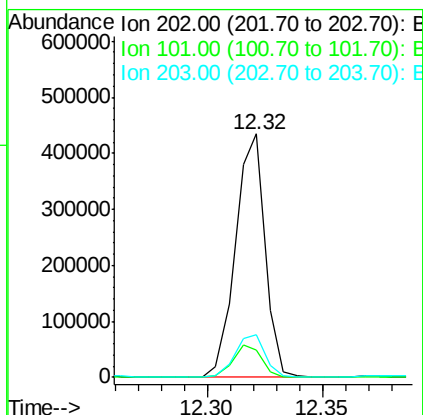
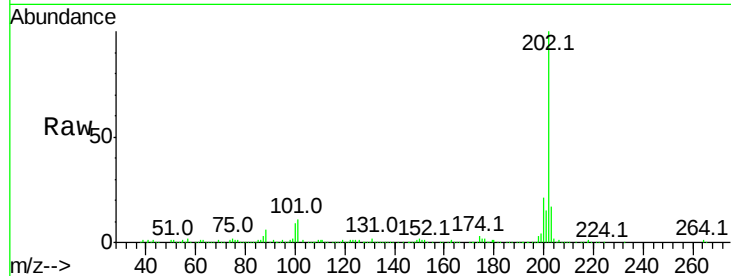
#74
Fluoranthene
Concen: 33.745 ng
RT: 12.32 min Scan# 1757
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
BNA_F
ClientSampleId :
NB-SB04A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	33.2
203	17.4	0.0	38.1

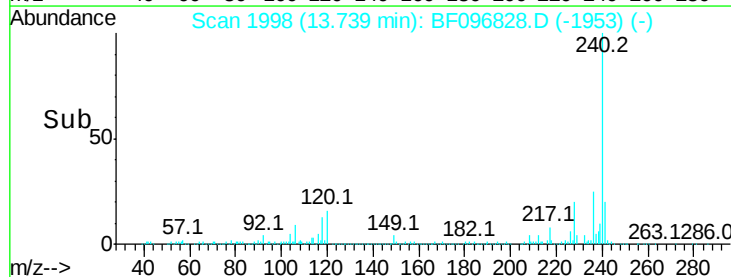
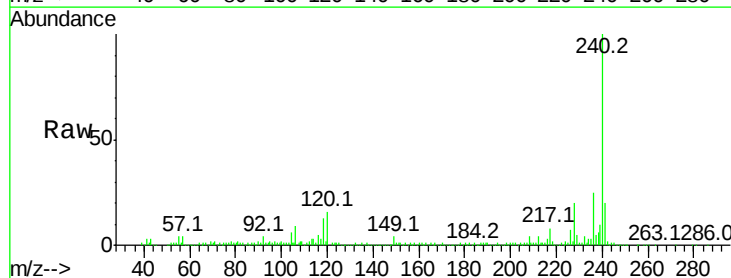
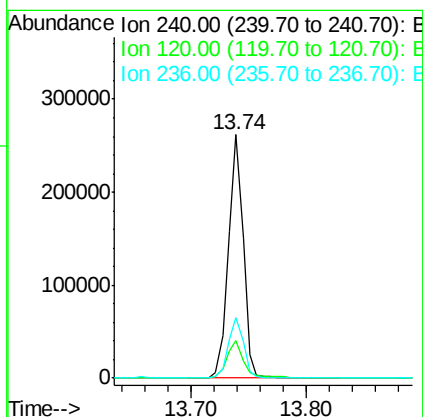
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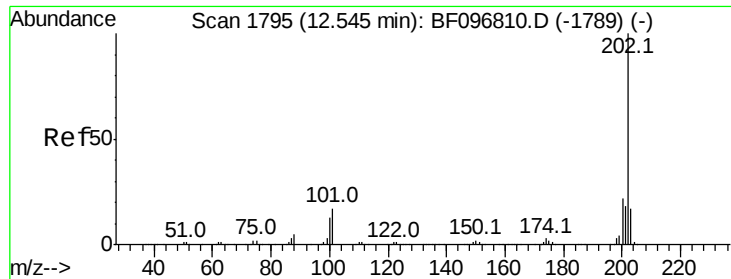
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.74 min Scan# 1998
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 18.650 ng

RT: 12.54 min Scan# 1795

Delta R.T. -0.04 min

Lab File: BF096828.D

Acq: 17 Jul 2017 19:18

Instrument :

BNA_F

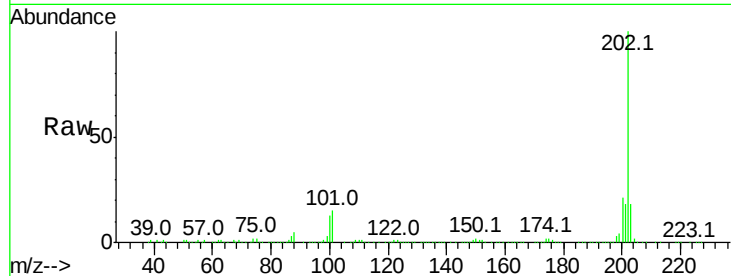
ClientSampleId :

NB-SB04A

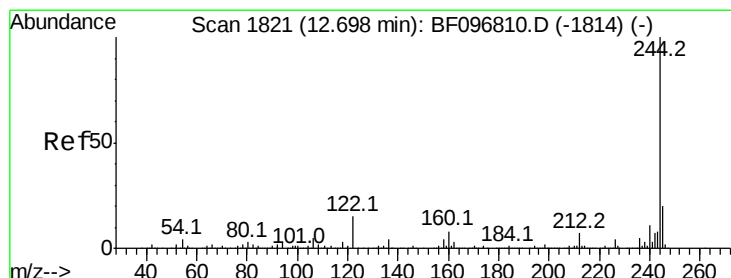
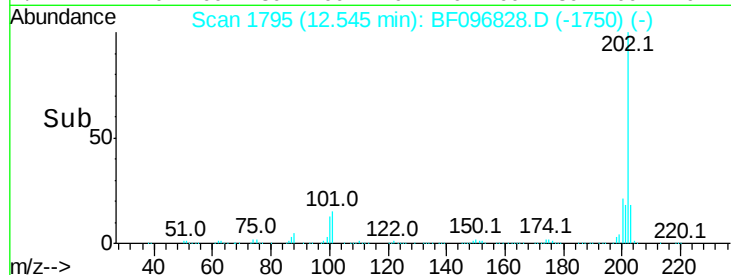
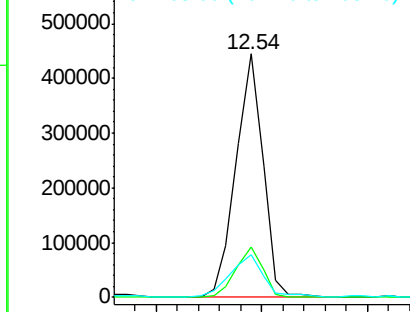
Tot Ion:	202	Resp:	394645
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.6	26.4
203	17.7	14.4	21.6

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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: 36.602 ng

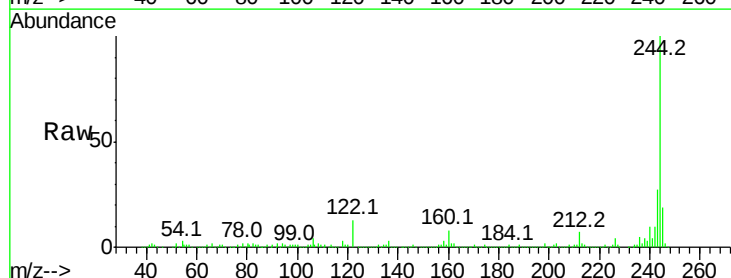
RT: 12.70 min Scan# 1821

Delta R.T. -0.04 min

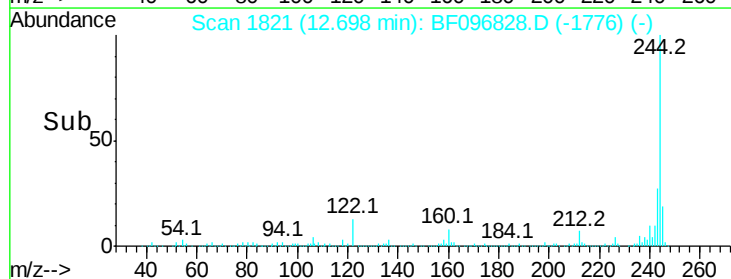
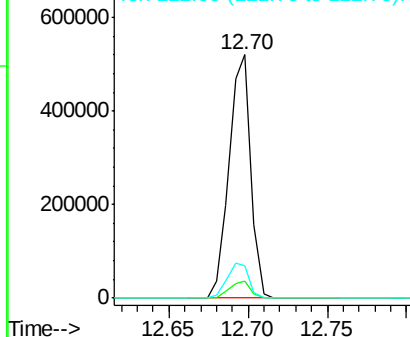
Lab File: BF096828.D

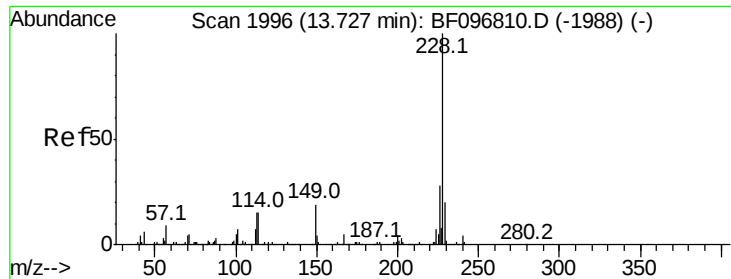
Acq: 17 Jul 2017 19:18

Tgt Ion:	244	Resp:	492097
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	13.4	10.3	15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





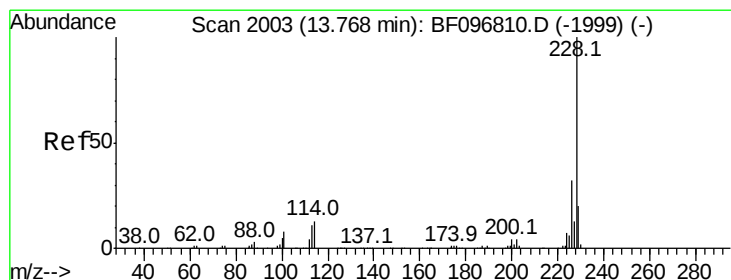
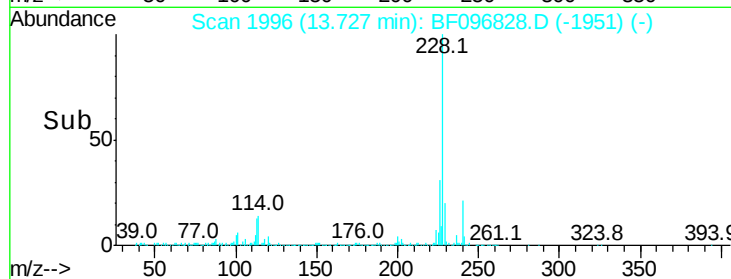
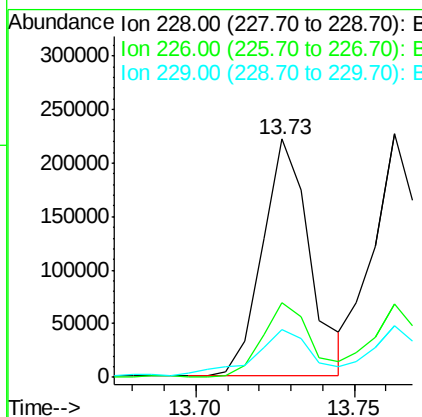
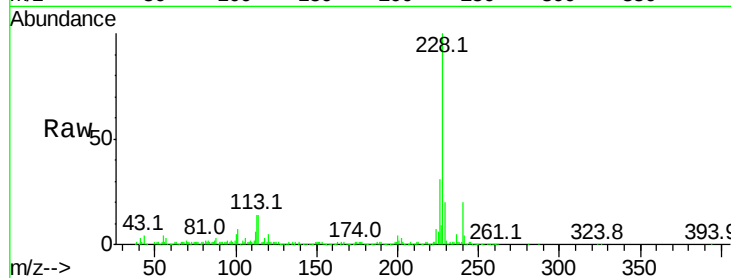
#80
Benzo(a)anthracene
Concen: 15.858 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
BNA_F
ClientSampleId :
NB-SB04A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	20.0	16.3	24.5

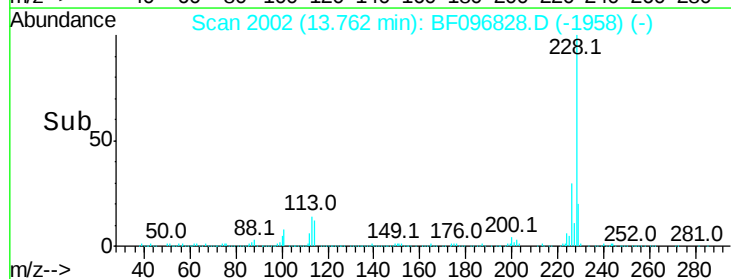
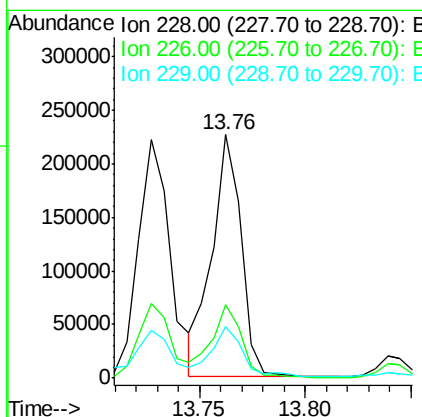
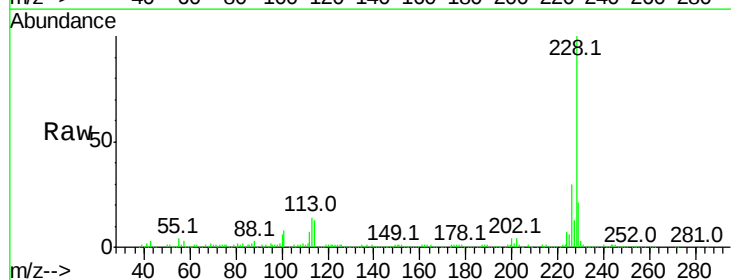
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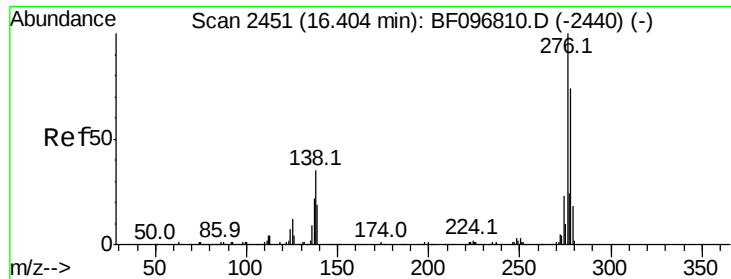
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#82
Chrysene
Concen: 15.281 ng
RT: 13.76 min Scan# 2002
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.2	15.8	23.6





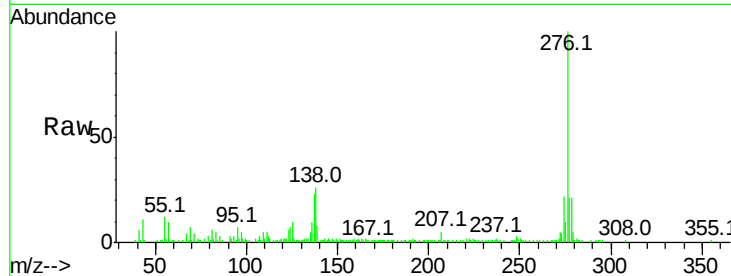
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.064 ng
RT: 16.40 min Scan# 2450
Delta R.T. -0.07 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
BNA_F
ClientSampleId :
NB-SB04A

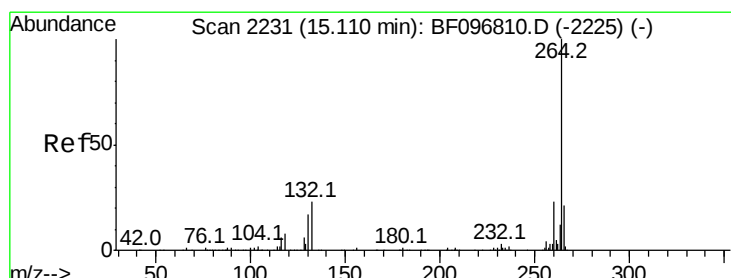
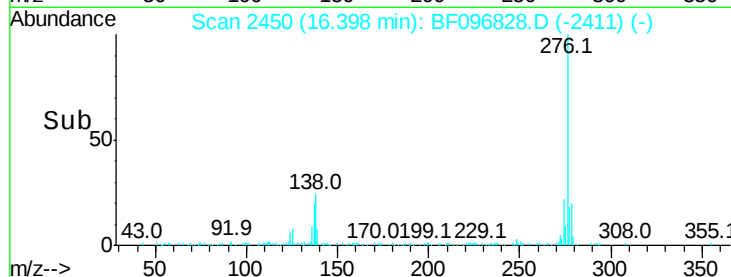
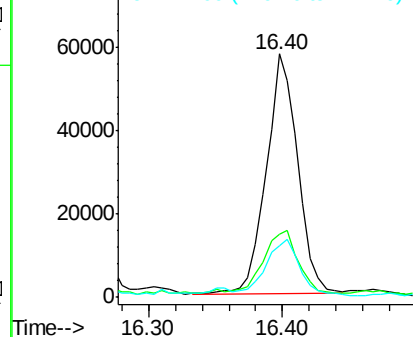
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	27.8	41.6
277	25.5	20.2	30.4

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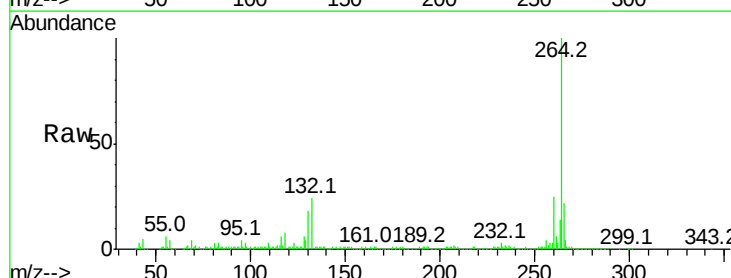


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

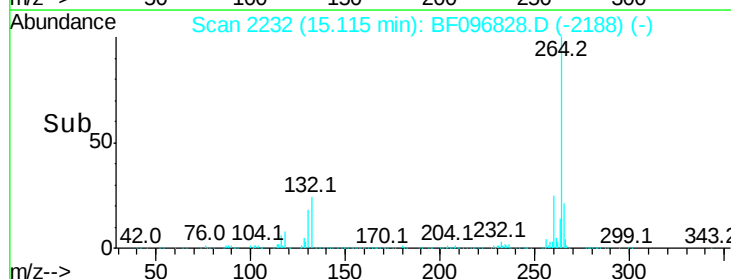
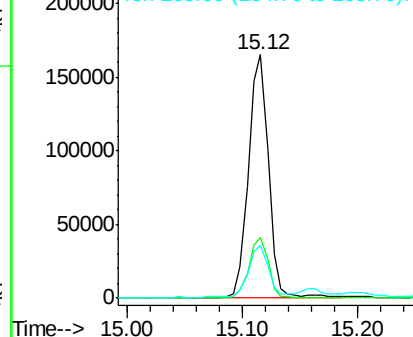


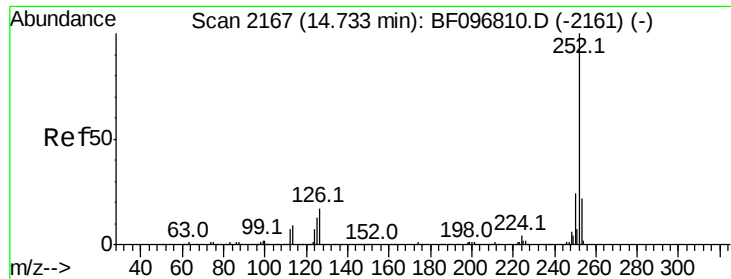
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.12 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.8	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





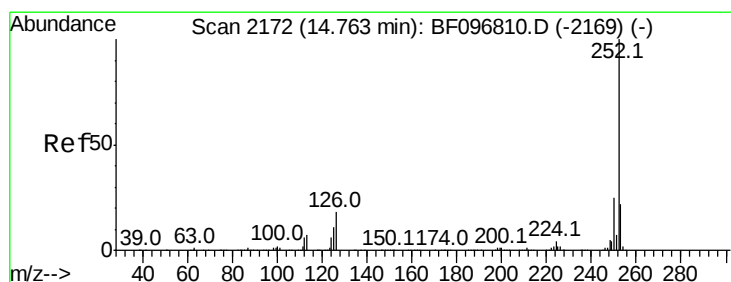
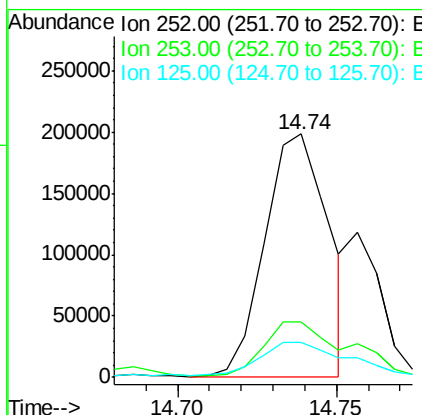
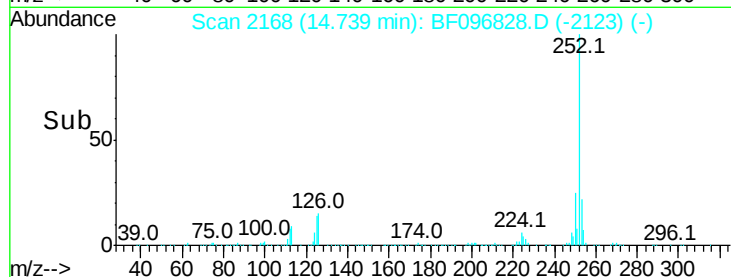
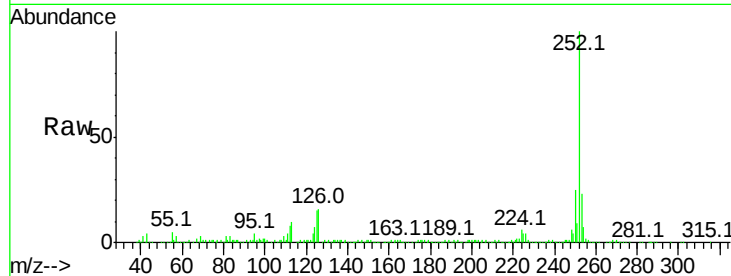
#87
Benzo(b)fluoranthene
Concen: 23.006 ng m
RT: 14.74 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
BNA_F
ClientSampleId :
NB-SB04A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	14.6	9.8	14.8

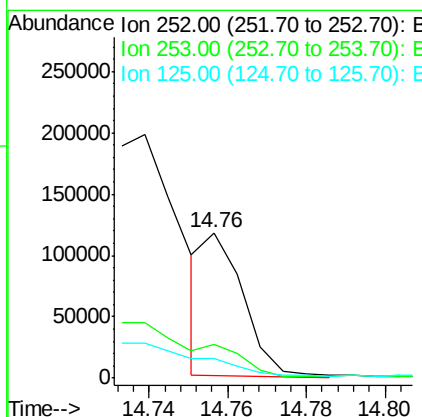
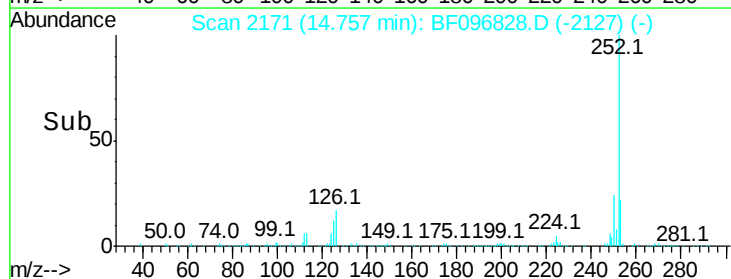
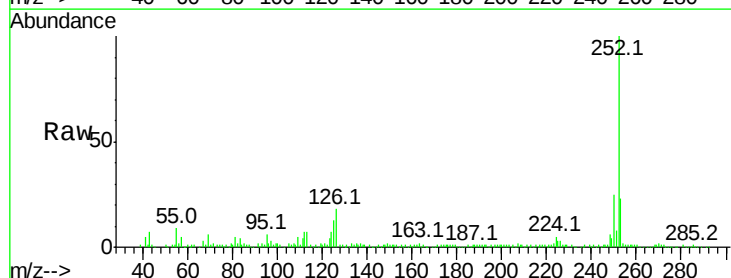
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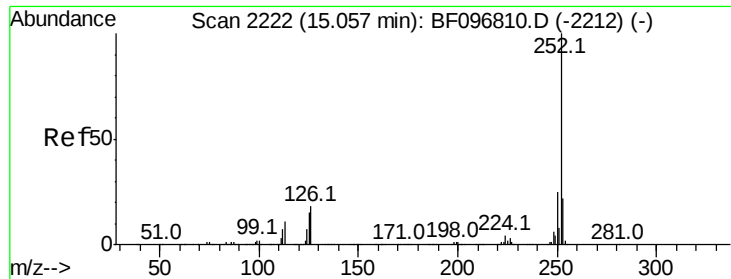
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#88
Benzo(k)fluoranthene
Concen: 7.153 ng m
RT: 14.76 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	13.3	13.1	19.7





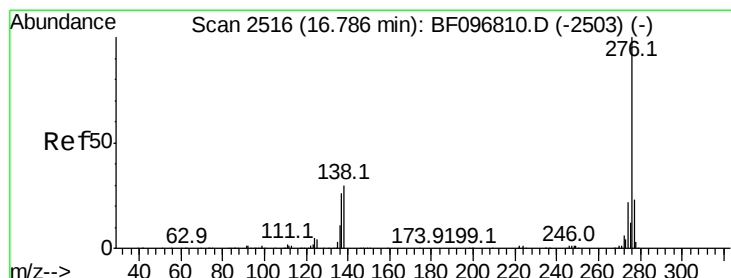
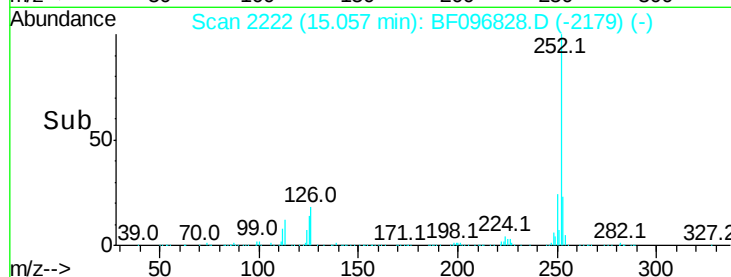
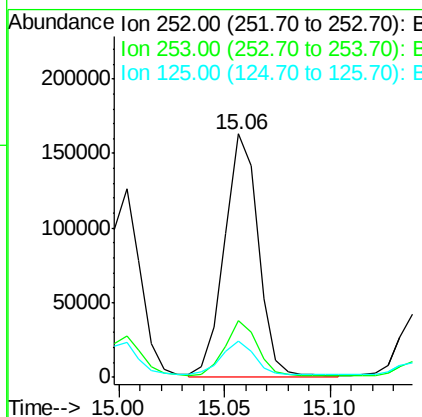
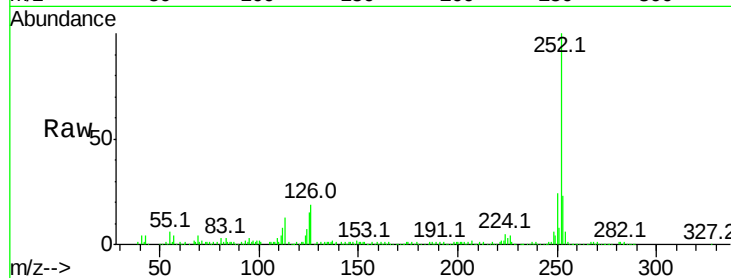
#89
Benzo(a)pyrene
Concen: 16.262 ng
RT: 15.06 min Scan# 2222
Delta R.T. -0.05 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Instrument :
BNA_F
ClientSampleId :
NB-SB04A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	14.7	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 7.958 ng
RT: 16.79 min Scan# 2516
Delta R.T. -0.08 min
Lab File: BF096828.D
Acq: 17 Jul 2017 19:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	33.4	25.4	38.0

