

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096949.D
 Acq On : 21 Jul 2017 17:38
 Operator : SJ/JU
 Sample : I4302-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2D1011

Manual Integrations
 APPROVED

Sohil
 7/24/2017 3:05:16 PM

Quant Time: Jul 22 01:14:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	121778	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	540228	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	228656	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	352281	20.00	ng	-0.05
75) Chrysene-d12	13.68	240	213491	20.00	ng	-0.05
86) Perylene-d12	15.04	264	215888	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	1094292	135.11	ng	-0.04
7) Phenol-d6	6.22	99	1311600	134.95	ng	-0.04
23) Nitrobenzene-d5	7.12	82	771750	88.49	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	229043	117.35	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	1224605	84.62	ng	-0.05
78) Terphenyl-d14	12.65	244	742947	60.35	ng	-0.05
Target Compounds						
10) Phenol	6.22	94	64485	5.869	ng	82
49) Dimethylphthalate	9.31	163	132762	7.711	ng	99
57) Fluorene	10.13	166	29915	2.125	ng	94
70) Phenanthrene	11.08	178	398644	20.812	ng	98
71) Anthracene	11.13	178	81351	4.201	ng	97
72) Carbazole	11.29	167	70148	3.740	ng	98
74) Fluoranthene	12.26	202	410381	22.383	ng	98
77) Pyrene	12.49	202	323001	16.671	ng	98
80) Benzo(a)anthracene	13.67	228	137554	10.341	ng	99
82) Chrysene	13.70	228	139940	10.686	ng	97
85) Indeno(1,2,3-cd)pyrene	16.30	276	62040	8.227	ng	99
87) Benzo(b)fluoranthene	14.67	252	179480m	13.784	ng	
88) Benzo(k)fluoranthene	14.70	252	41590m	3.373	ng	
89) Benzo(a)pyrene	14.99	252	117236	9.817	ng	98
91) Benzo(a,h,i)perylene	16.67	276	62089	5.276	ng	95

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

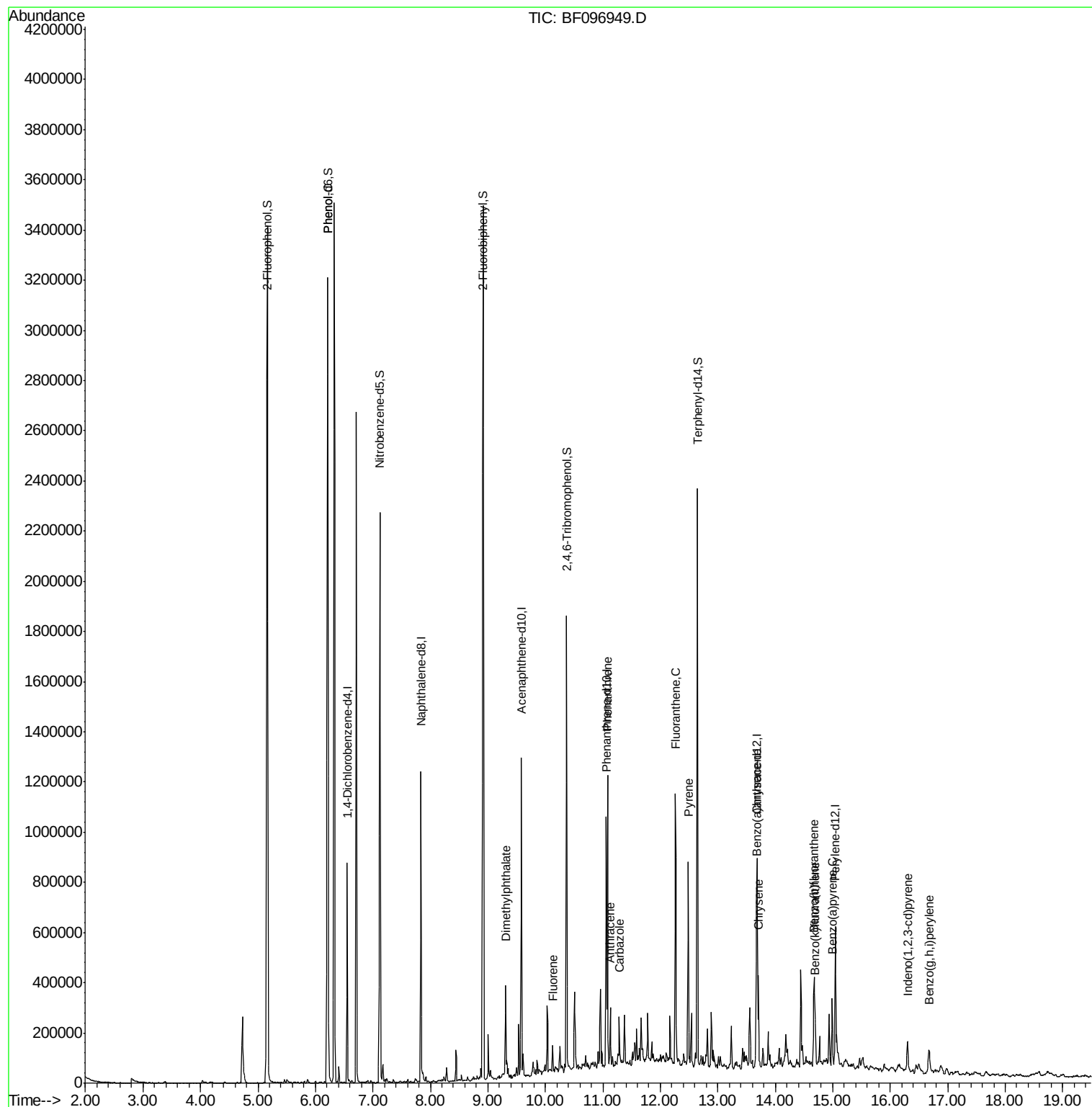
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
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Sample : I4302-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

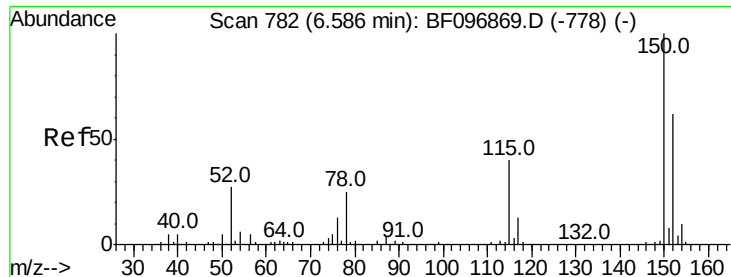
Instrument :
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#1

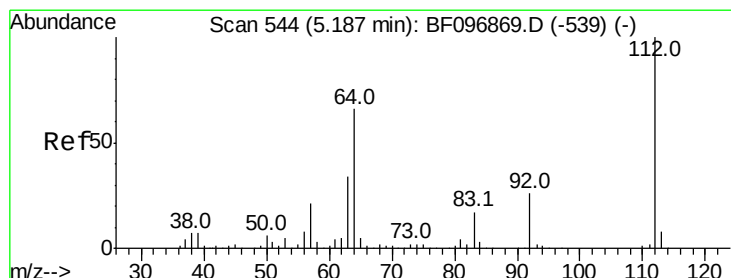
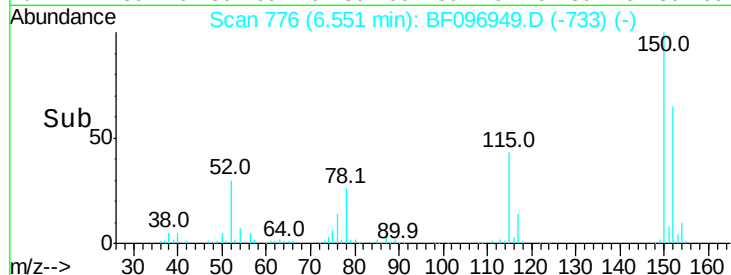
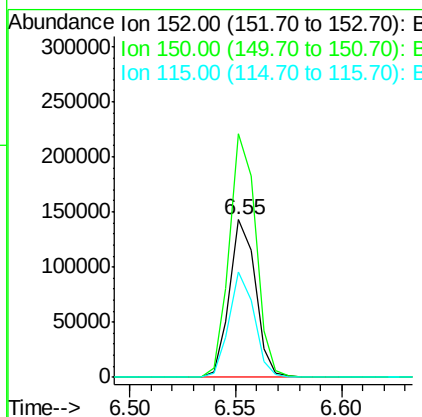
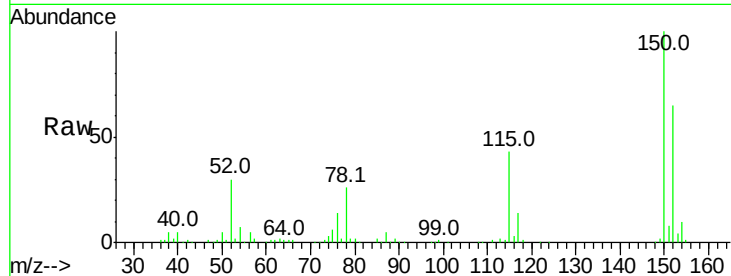
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.55 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Instrument :
BNA_F
ClientSampleId :
SB-2D1011

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.2	189.2
115	67.0	52.2	78.2

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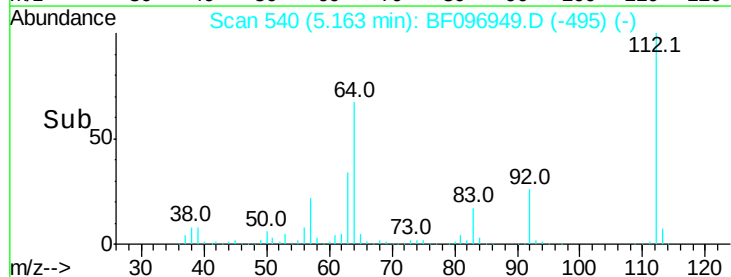
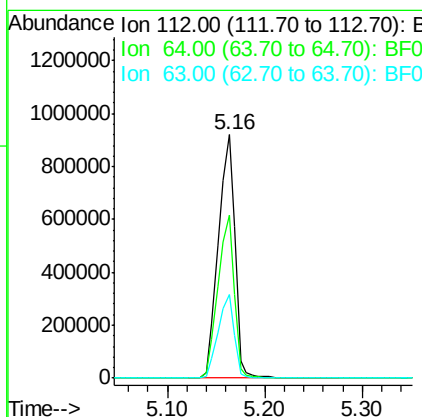
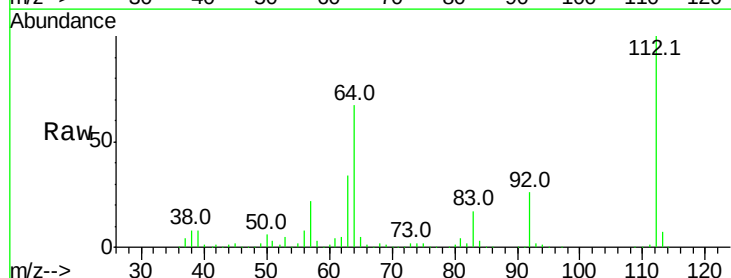
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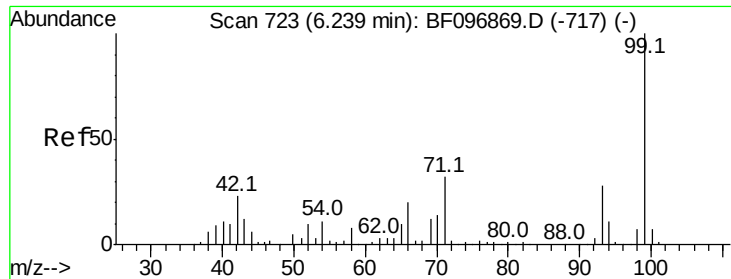


#5

2-Fluorophenol
Concen: 135.111 ng
RT: 5.16 min Scan# 540
Delta R.T. -0.04 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.0	69.0
63	34.4	23.4	35.0





#7

Phenol-d6

Concen: 134.949 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF096949.D

Acq: 21 Jul 2017 17:38

Instrument :

BNA_F

ClientSampled :

SB-2D1011

Tot Ion: 99 Resp: 1311600

Ion Ratio Lower Upper

99 100

42 23.3 13.5 20.3#

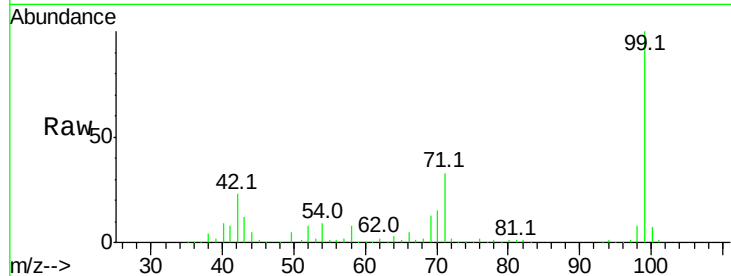
71 32.6 24.5 36.7

Manual Integrations

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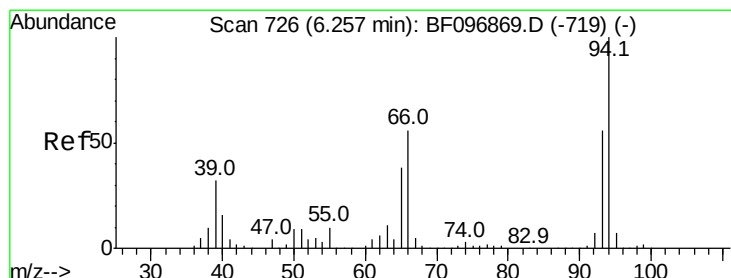
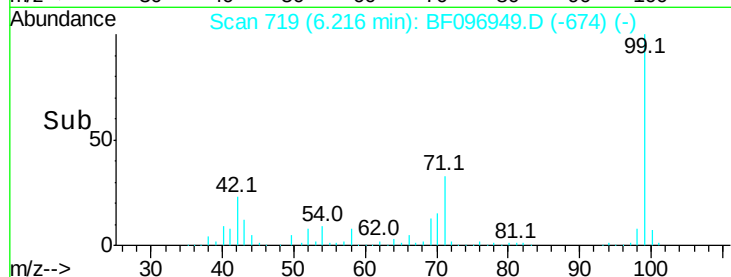
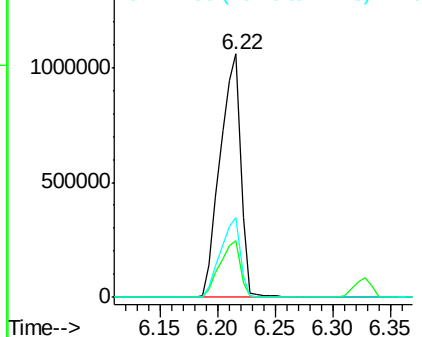
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.869 ng

RT: 6.22 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF096949.D

Acq: 21 Jul 2017 17:38

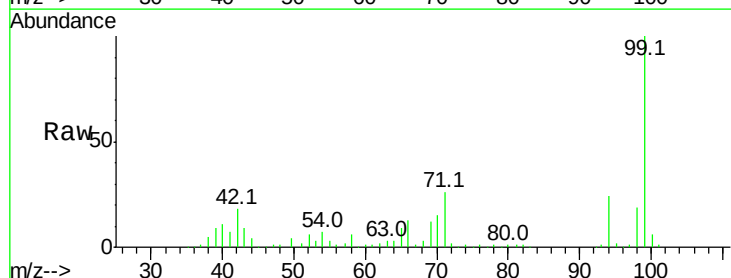
Tgt Ion: 94 Resp: 64485

Ion Ratio Lower Upper

94 100

65 37.1 9.9 49.9

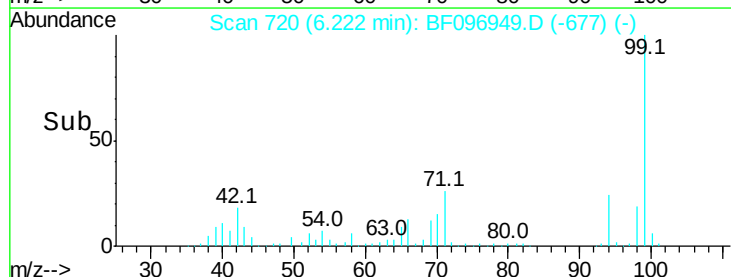
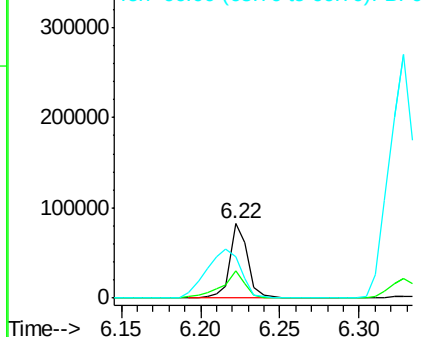
66 56.4 23.1 63.1

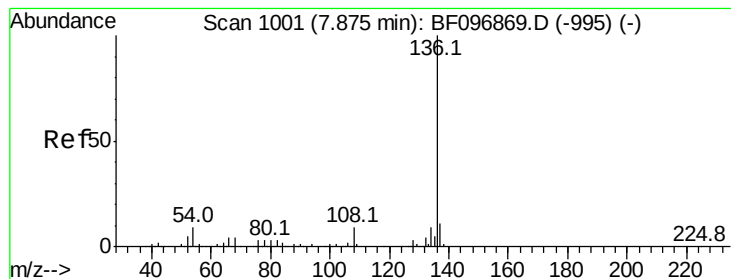


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.83 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF096949.D

Acq: 21 Jul 2017 17:38

Instrument :

BNA_F

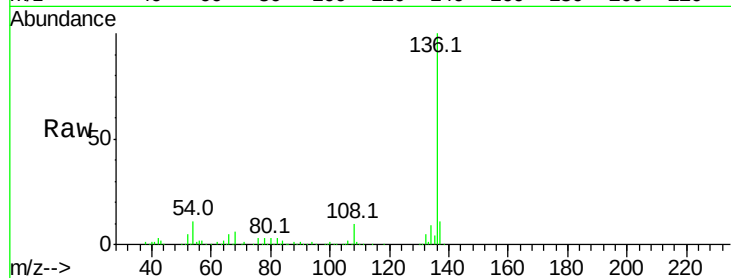
ClientSampleId :

SB-2D1011

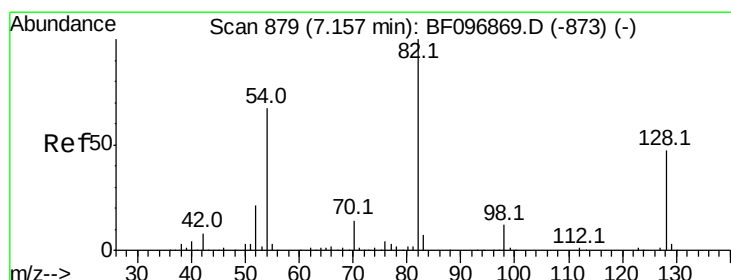
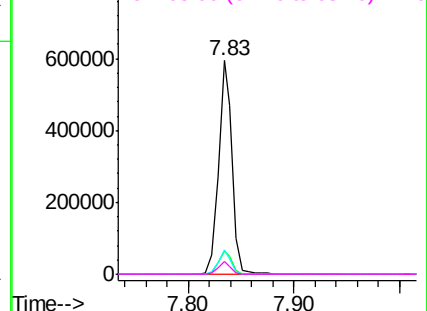
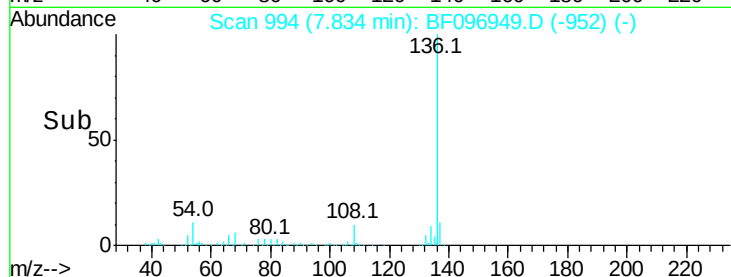
Tot Ion	Ratio	Resp	Lower	Upper
136	100	540228		
137	10.9		8.5	12.7
54	11.1		4.9	7.3#
68	5.8		4.1	6.1

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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: 88.486 ng

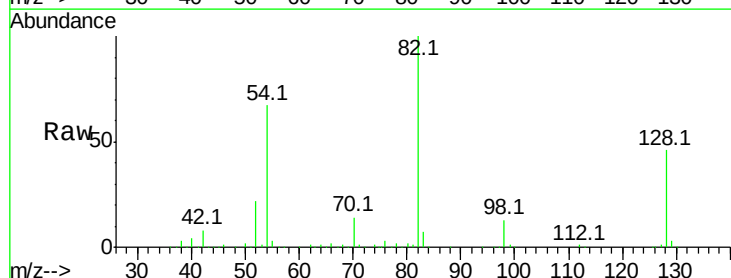
RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

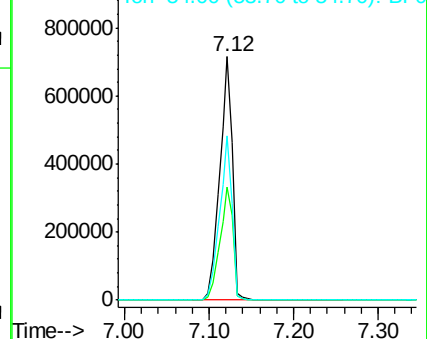
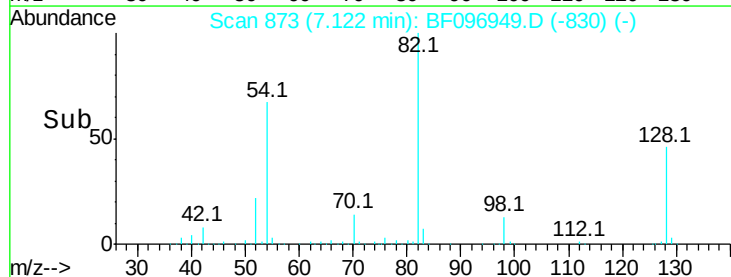
Lab File: BF096949.D

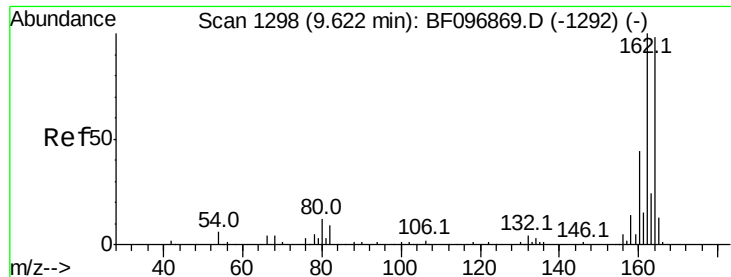
Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	771750		
128	46.3		34.0	51.0
54	67.4		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: 9.58 min Scan# 1291

Delta R.T. -0.05 min

Lab File: BF096949.D

Acq: 21 Jul 2017 17:38

Instrument :

BNA_F

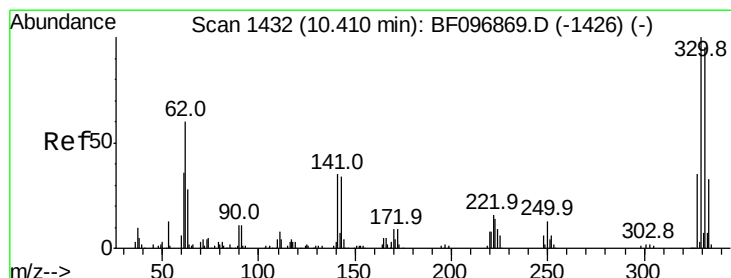
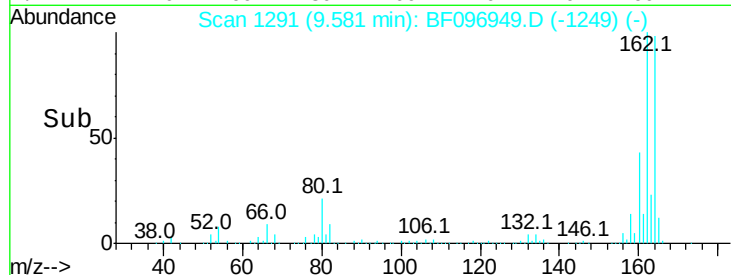
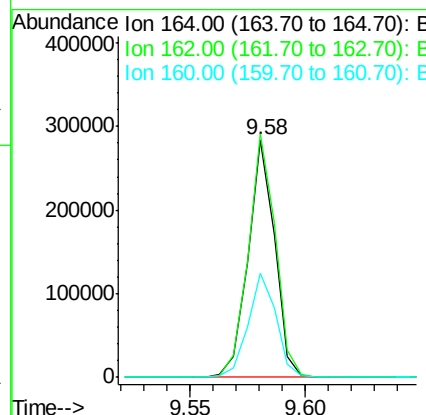
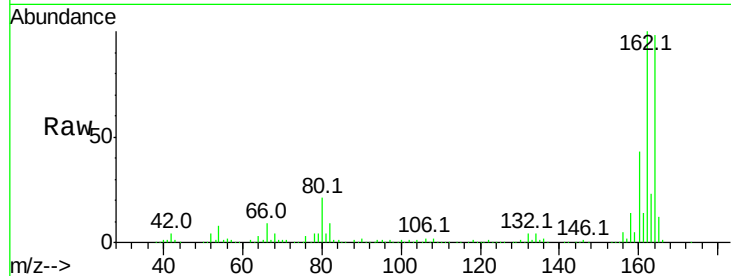
ClientSampleId :

SB-2D1011

Tot Ion:	164	Resp:	228656
Ion Ratio	Lower	Upper	
164	100		
162	102.4	82.6	123.8
160	43.8	36.2	54.2

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 117.351 ng

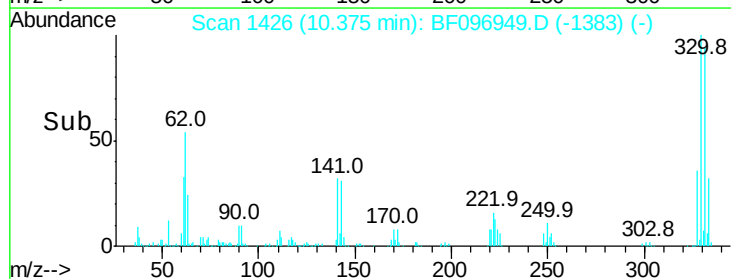
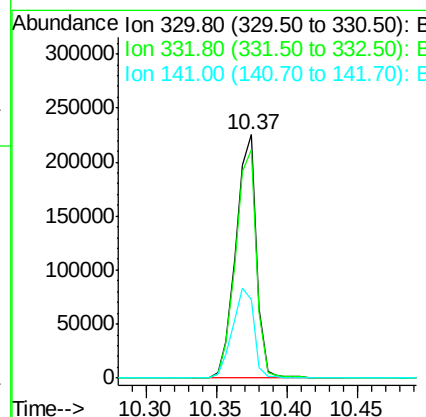
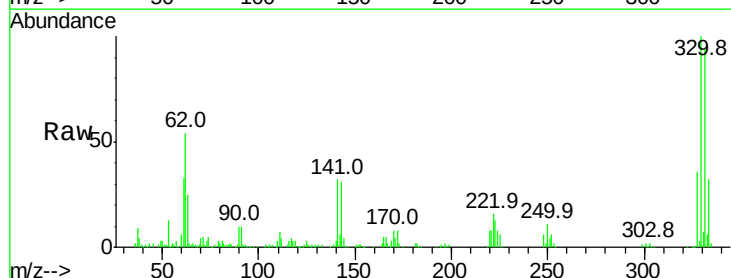
RT: 10.37 min Scan# 1426

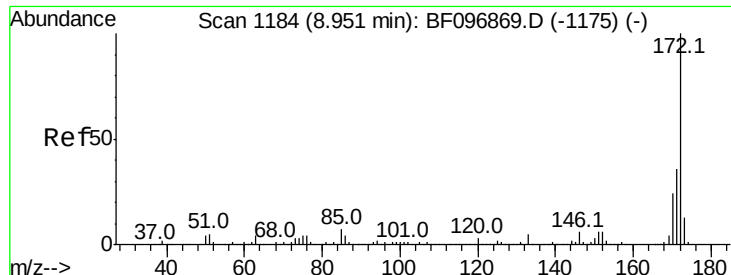
Delta R.T. -0.05 min

Lab File: BF096949.D

Acq: 21 Jul 2017 17:38

Tgt Ion:	330	Resp:	229043
Ion Ratio	Lower	Upper	
330	100		
332	95.3	76.6	115.0
141	39.3	31.4	47.2





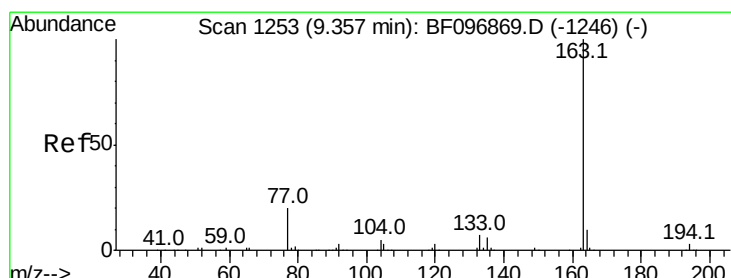
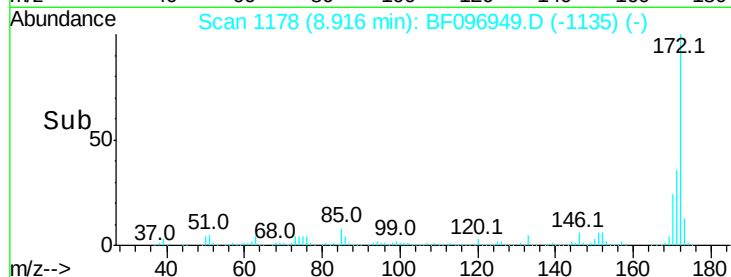
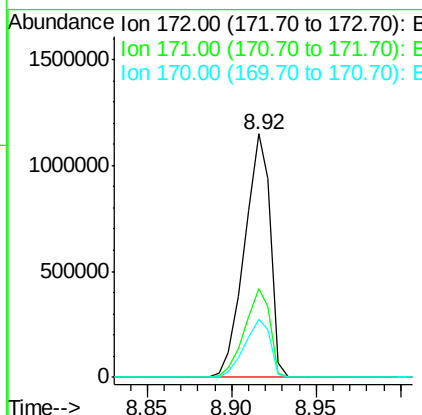
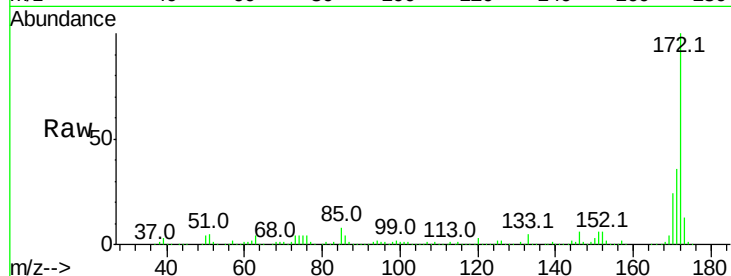
#44
2-Fluorobiphenyl
Concen: 84.615 ng
RT: 8.92 min Scan# 1178
Delta R.T. -0.05 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Instrument :
BNA_F
ClientSampleId :
SB-2D1011

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.9	19.8	29.8

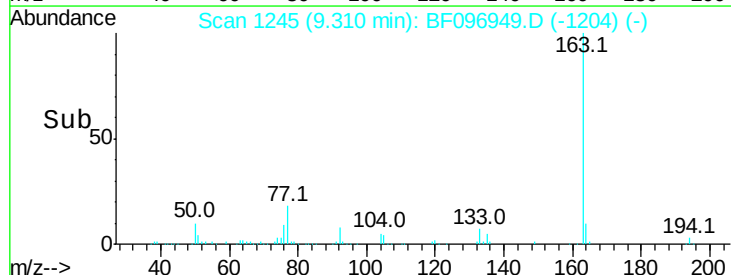
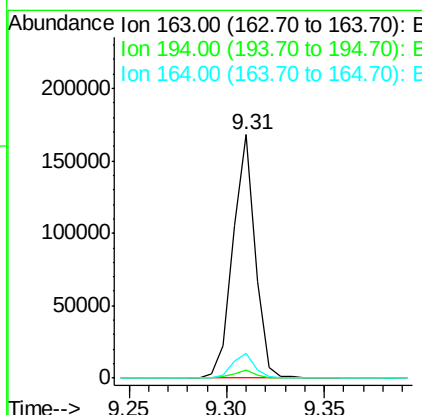
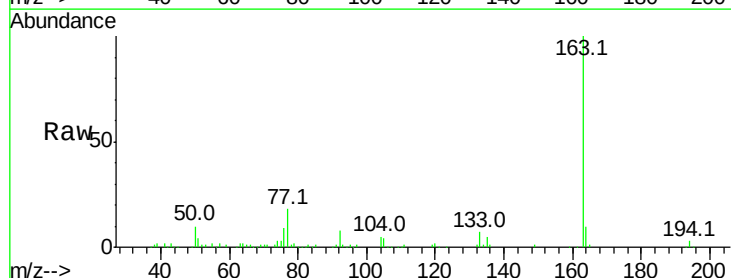
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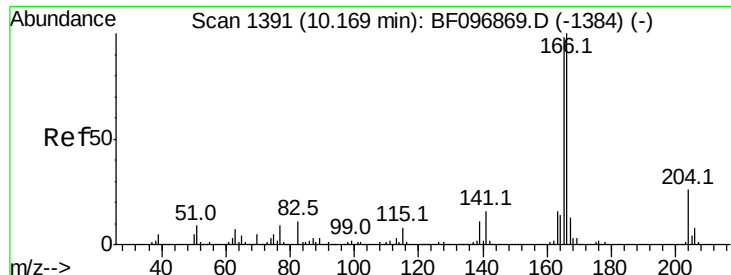
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#49
Dimethylphthalate
Concen: 7.711 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.0	8.4	12.6





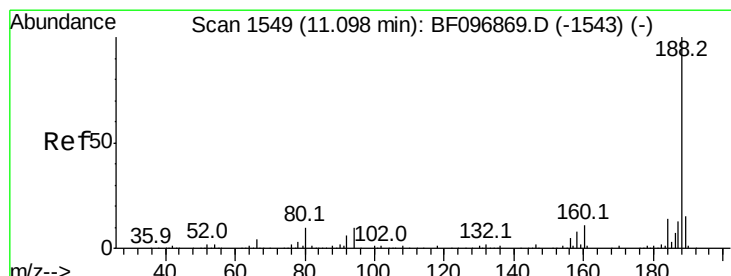
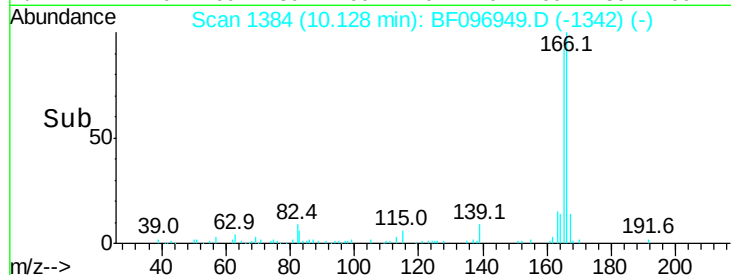
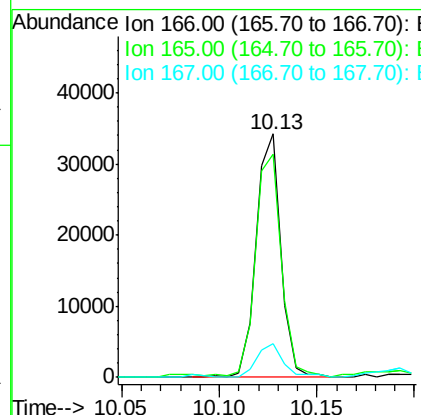
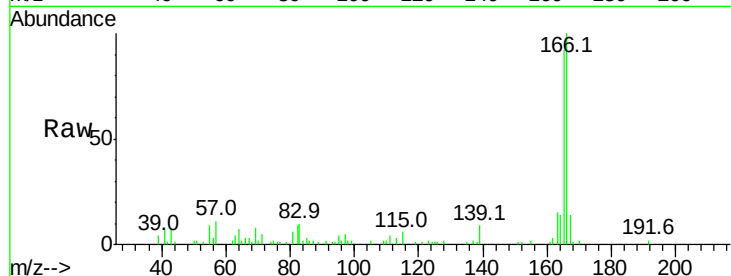
#57
Fluorene
 Concen: 2.125 ng
 RT: 10.13 min Scan# 1384
 Delta R.T. -0.05 min
 Lab File: BF096949.D
 Acq: 21 Jul 2017 17:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-2D1011

Tot Ion	Ratio	Resp	Lower	Upper
166	100	29915		
165	91.9		78.8	118.2
167	14.0		10.6	16.0

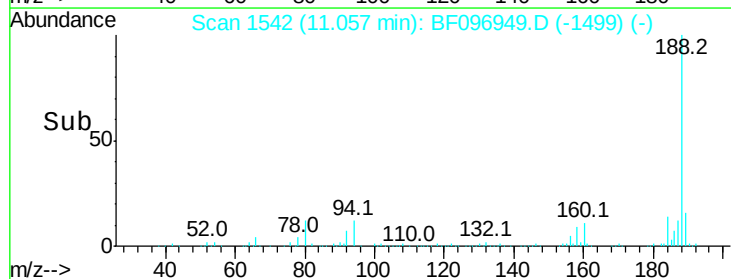
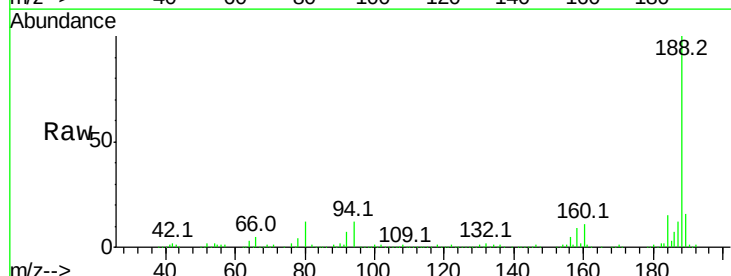
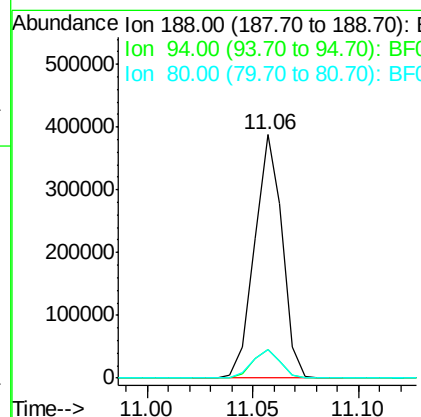
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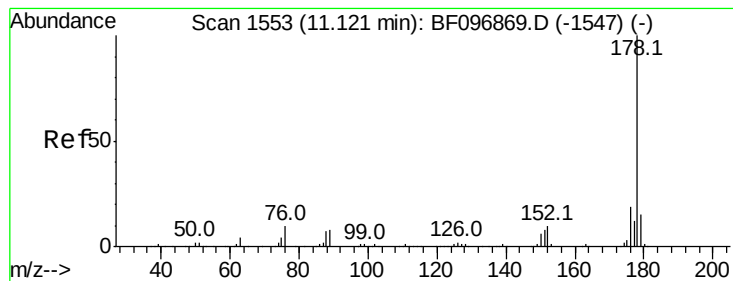
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.06 min Scan# 1542
 Delta R.T. -0.05 min
 Lab File: BF096949.D
 Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	352281		
94	12.0		9.4	14.2
80	11.9		10.2	15.2





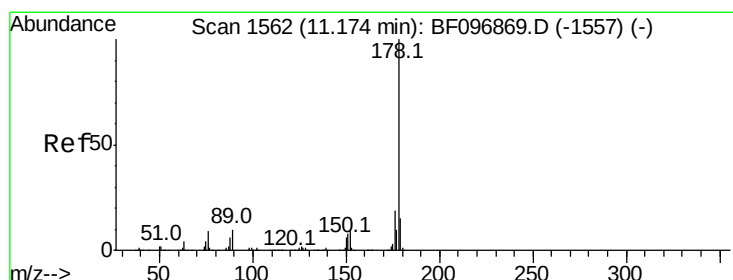
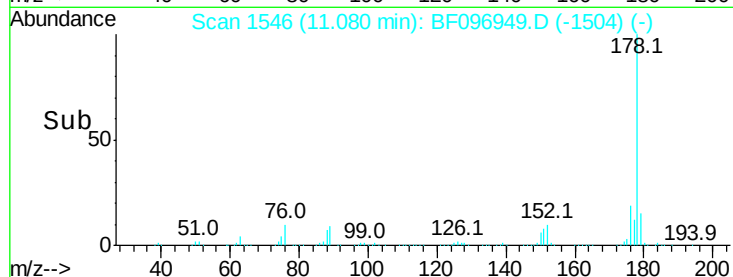
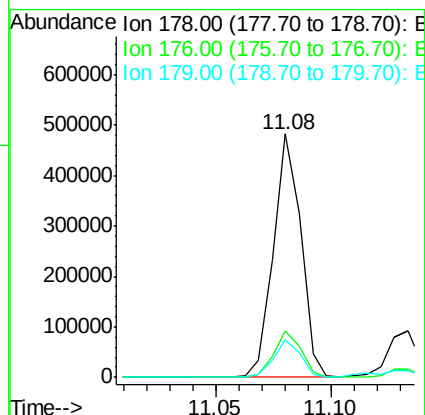
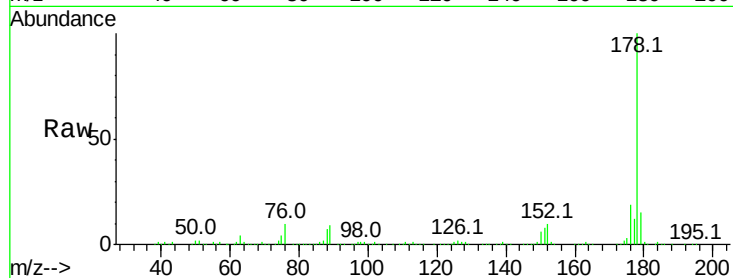
#70
Phenanthrene
Concen: 20.812 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Instrument :
BNA_F
ClientSampleId :
SB-2D1011

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.2	12.6	19.0

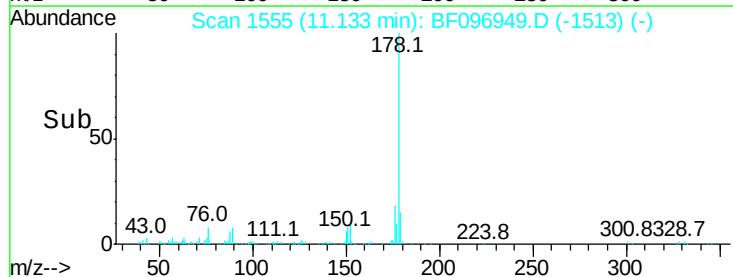
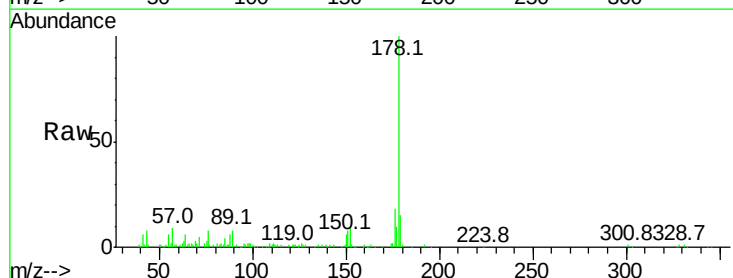
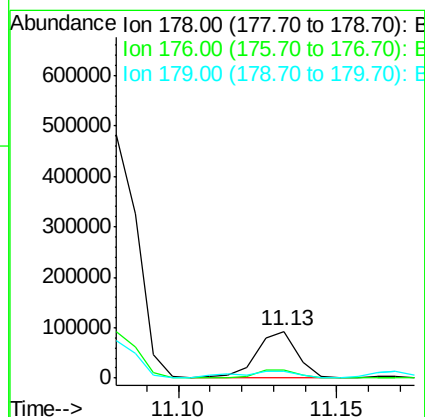
Manual Integrations
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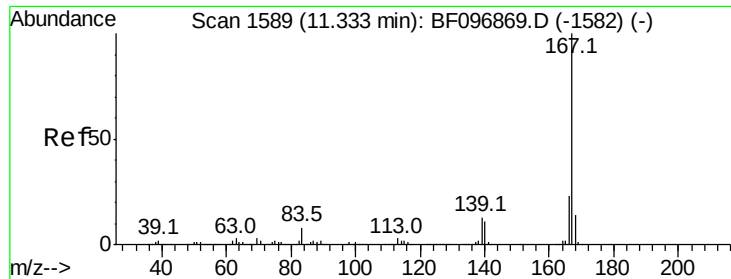
Sohil
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#71
Anthracene
Concen: 4.201 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.05 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.7	12.7	19.1





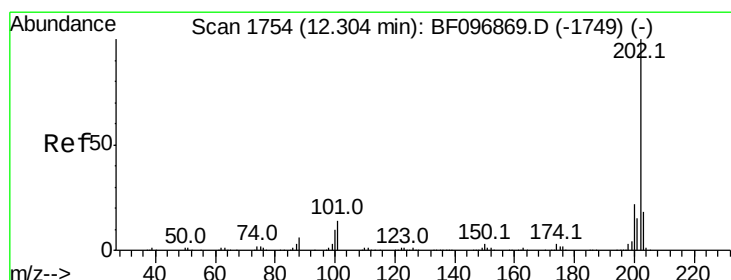
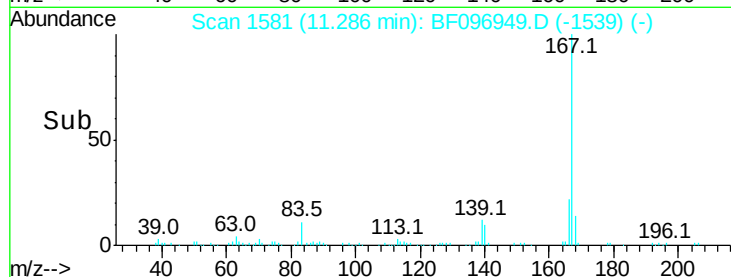
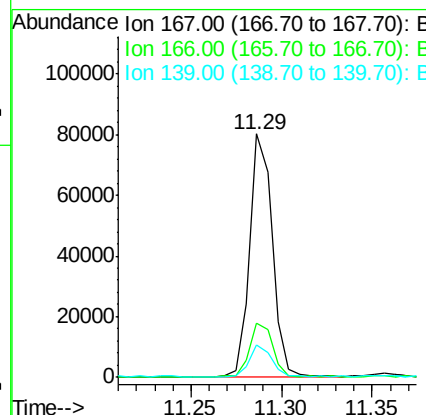
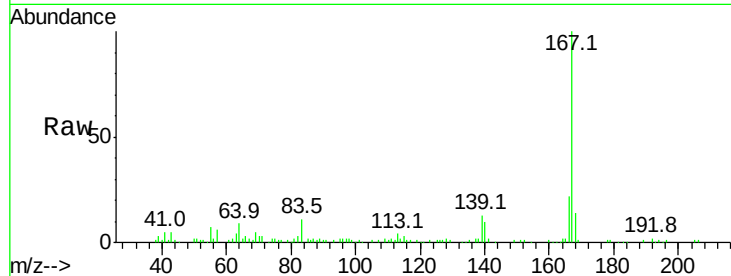
#72
 Carbazole
 Concen: 3.740 ng
 RT: 11.29 min Scan# 1581
 Delta R.T. -0.05 min
 Lab File: BF096949.D
 Acq: 21 Jul 2017 17:38

Instrument :
 BNA_F
 ClientSampled :
 SB-2D1011

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.2	11.7	17.5

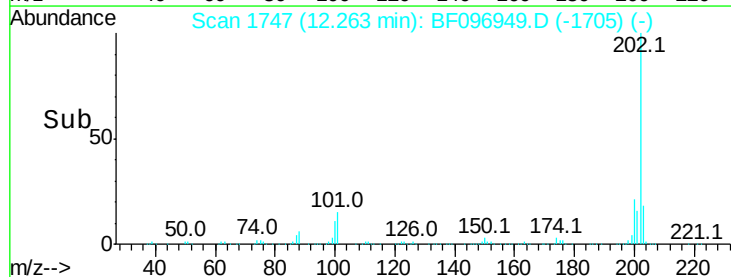
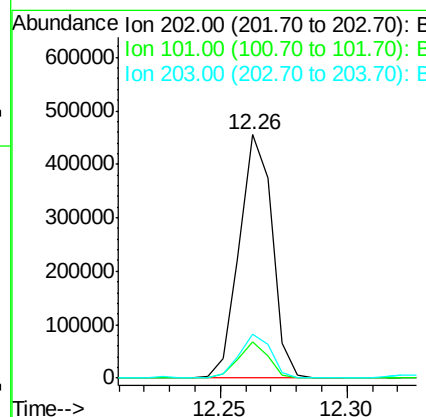
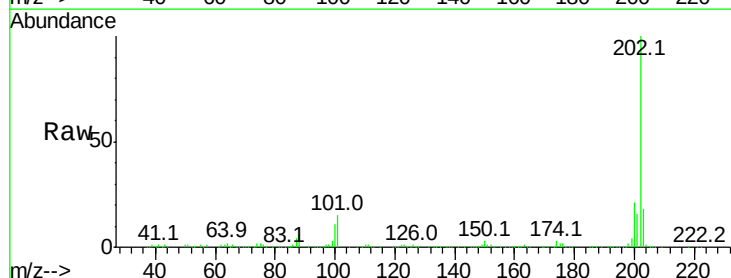
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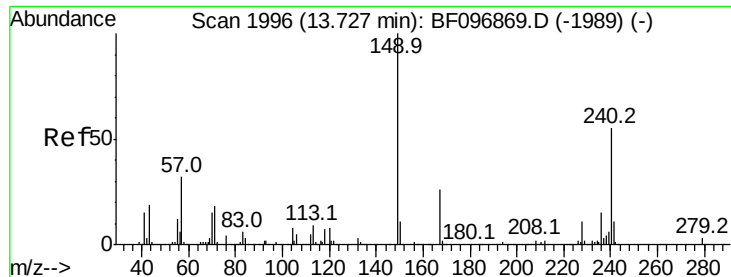
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#74
 Fluoranthene
 Concen: 22.383 ng
 RT: 12.26 min Scan# 1747
 Delta R.T. -0.05 min
 Lab File: BF096949.D
 Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.68 min Scan# 1988

Delta R.T. -0.05 min

Lab File: BF096949.D

Acq: 21 Jul 2017 17:38

Instrument :

BNA_F

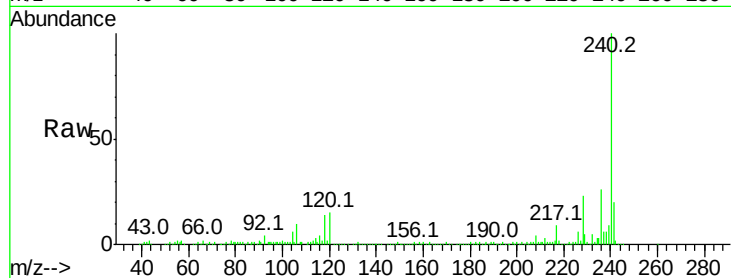
ClientSampleId :

SB-2D1011

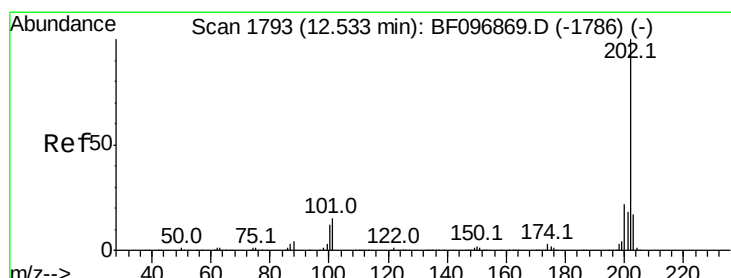
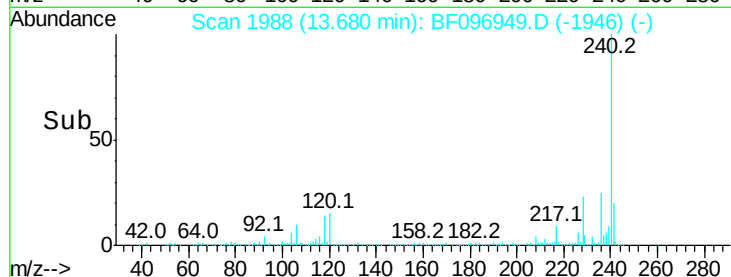
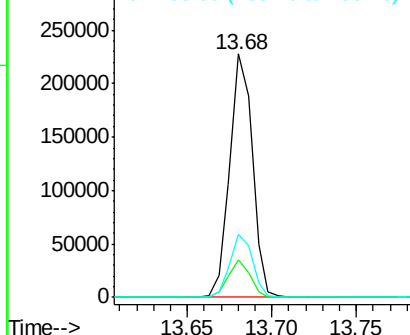
Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	25.7	20.5	30.7

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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: 16.671 ng

RT: 12.49 min Scan# 1785

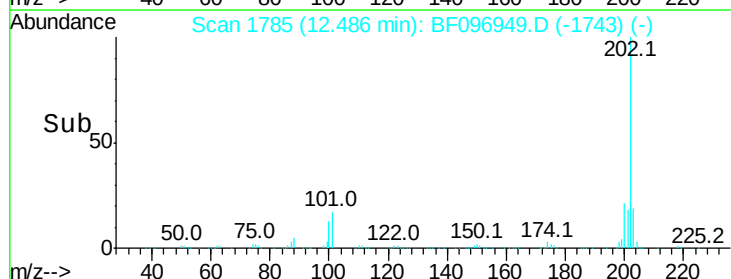
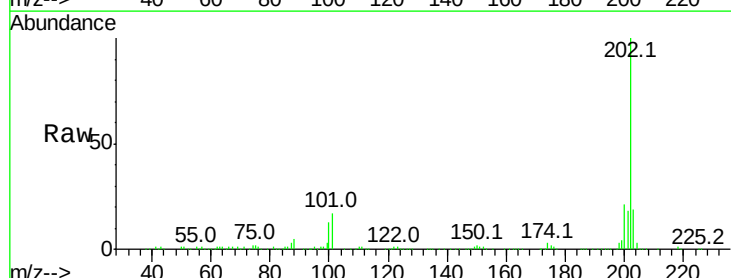
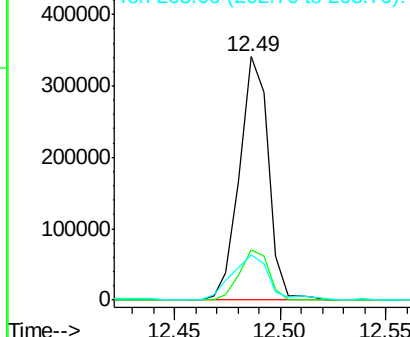
Delta R.T. -0.05 min

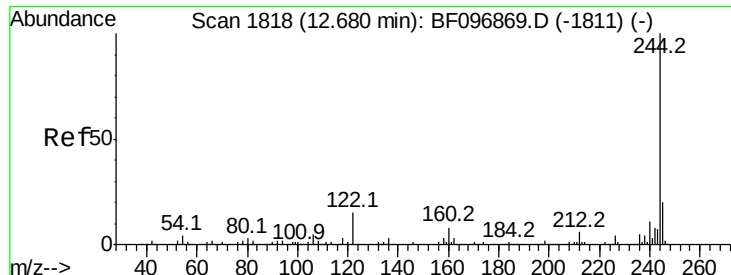
Lab File: BF096949.D

Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	18.8	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





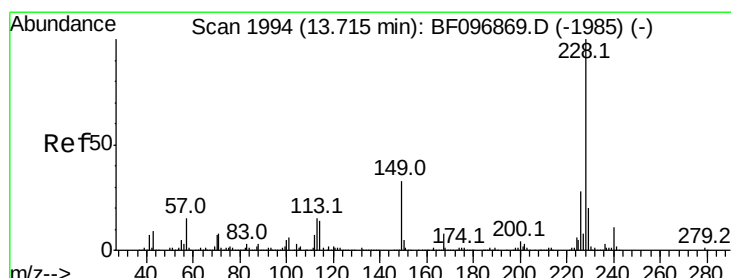
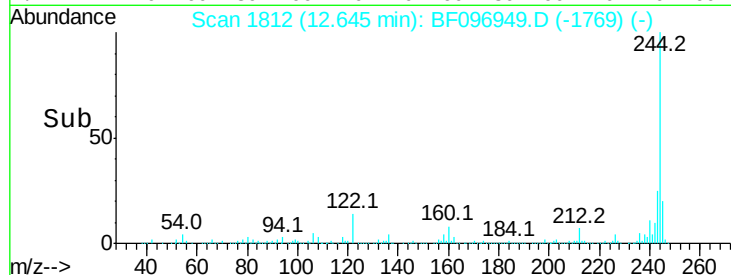
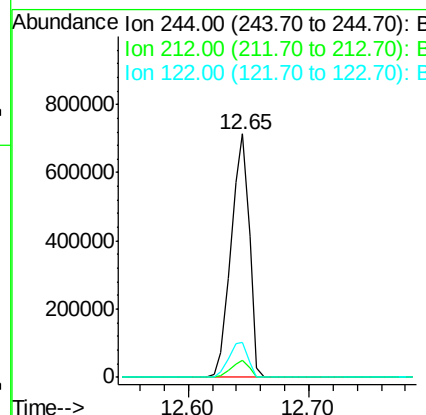
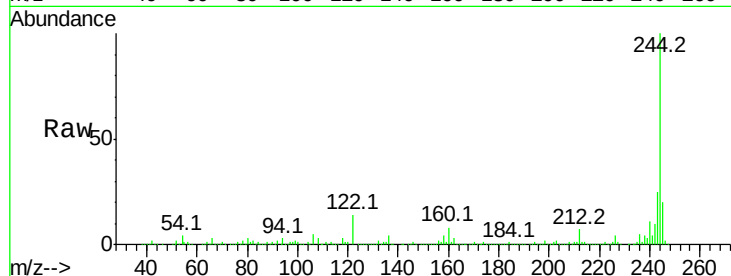
#78
 Terphenyl-d14
 Concen: 60.352 ng
 RT: 12.65 min Scan# 1812
 Delta R.T. -0.05 min
 Lab File: BF096949.D
 Acq: 21 Jul 2017 17:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-2D1011

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.4	10.3	15.5

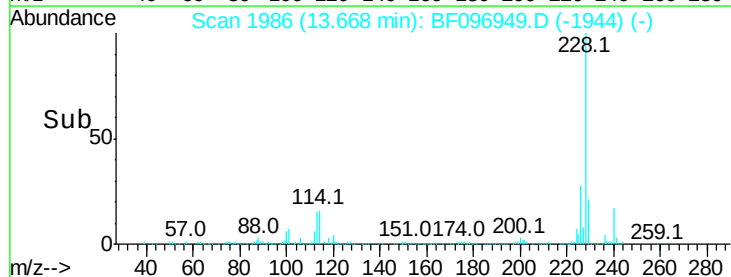
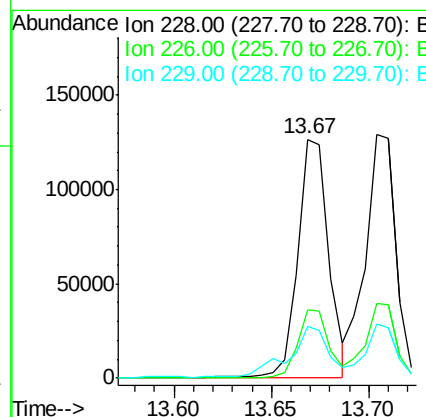
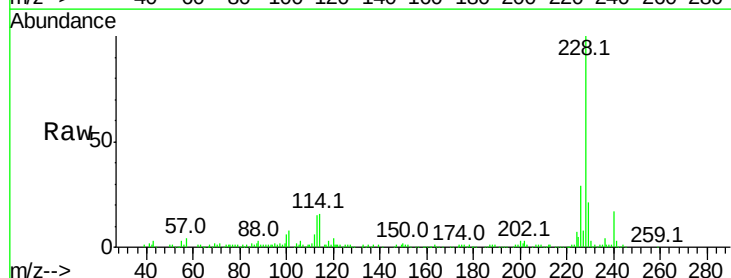
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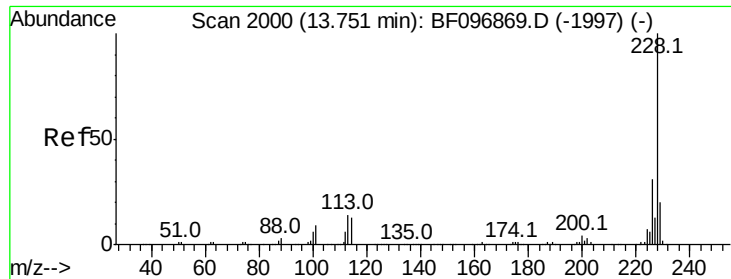
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#80
 Benzo(a)anthracene
 Concen: 10.341 ng
 RT: 13.67 min Scan# 1986
 Delta R.T. -0.05 min
 Lab File: BF096949.D
 Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.5	16.3	24.5





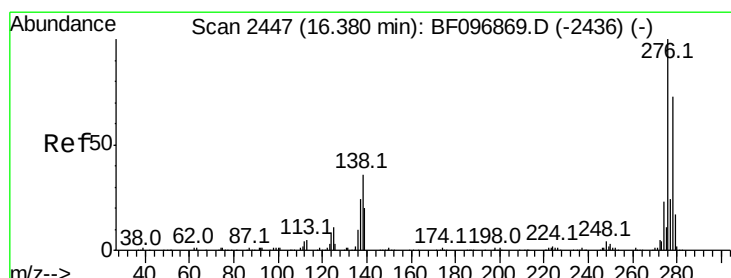
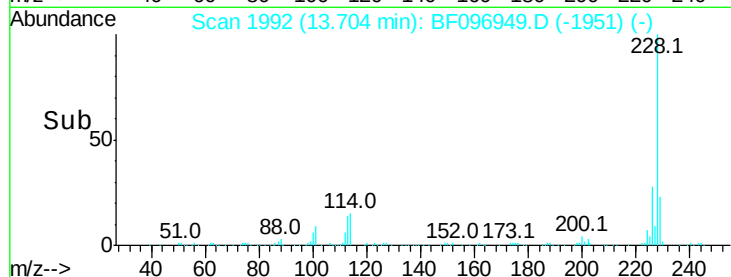
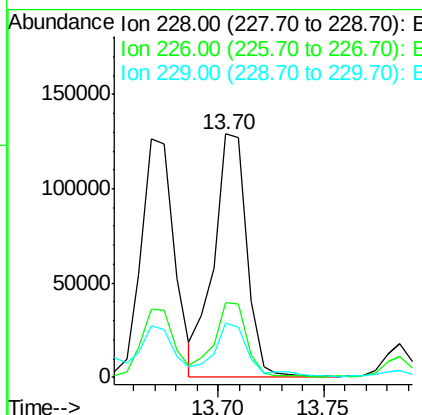
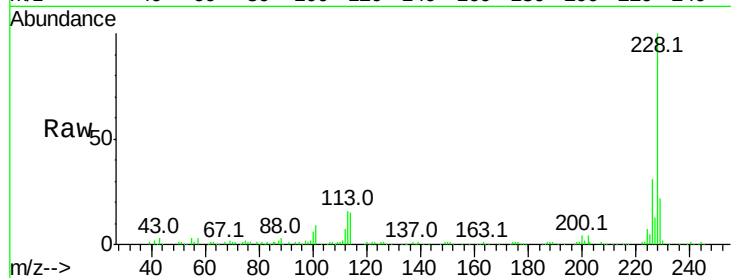
#82
 Chrysene
 Concen: 10.686 ng
 RT: 13.70 min Scan# 1992
 Delta R.T. -0.06 min
 Lab File: BF096949.D
 Acq: 21 Jul 2017 17:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-2D1011

Tot Ion:	228	Resp:	139940
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	22.4	15.8	23.6

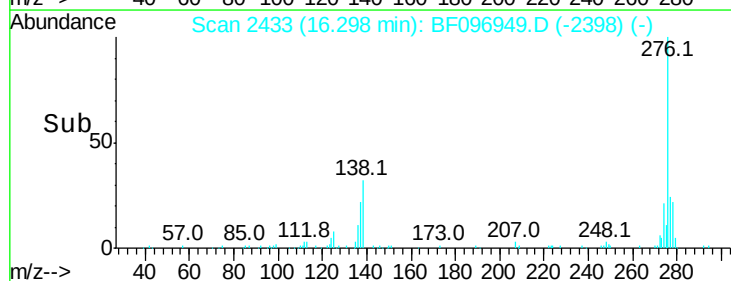
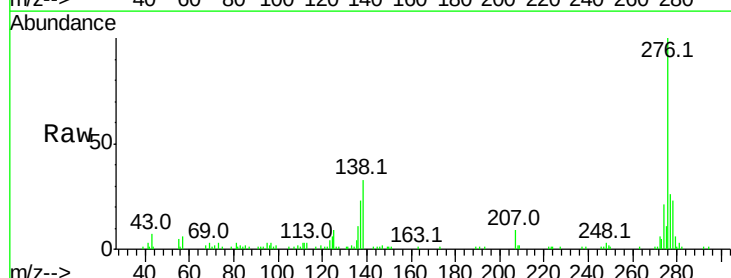
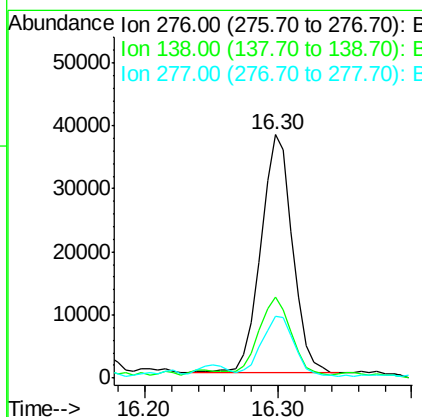
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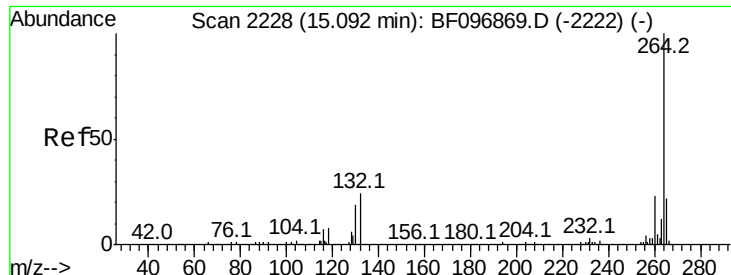
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.227 ng
 RT: 16.30 min Scan# 2433
 Delta R.T. -0.09 min
 Lab File: BF096949.D
 Acq: 21 Jul 2017 17:38

Tgt Ion:	276	Resp:	62040
Ion Ratio	Lower	Upper	
276	100		
138	34.9	27.8	41.6
277	26.0	20.2	30.4





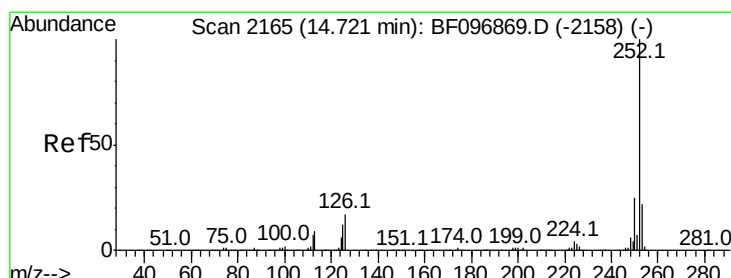
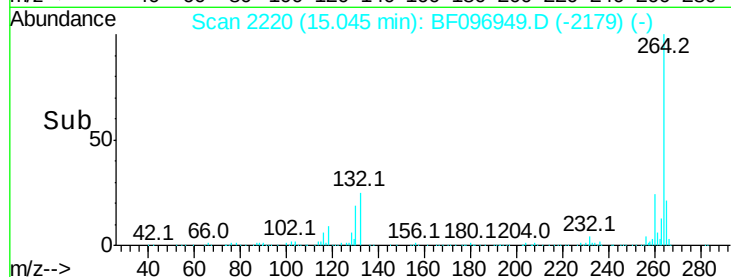
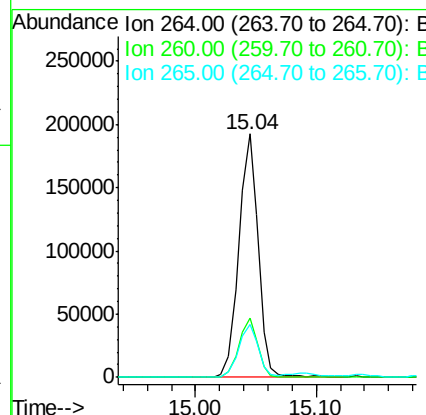
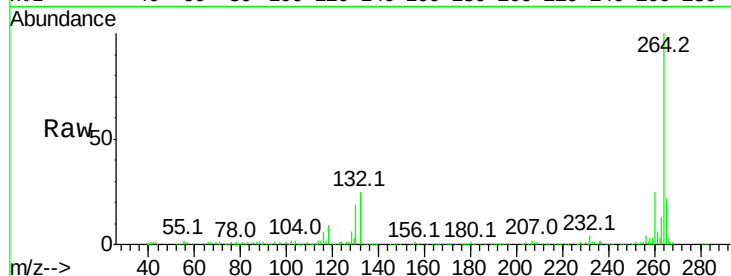
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.04 min Scan# 2220
Delta R.T. -0.06 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Instrument :
BNA_F
ClientSampled :
SB-2D1011

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.6	17.2	25.8

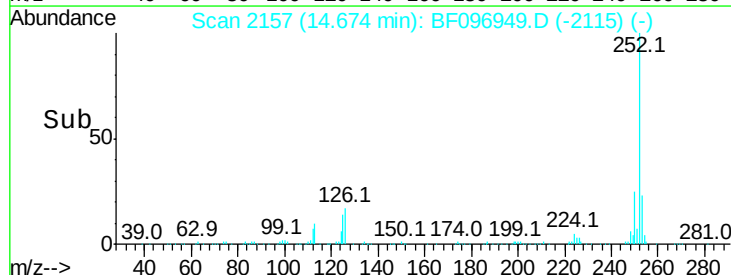
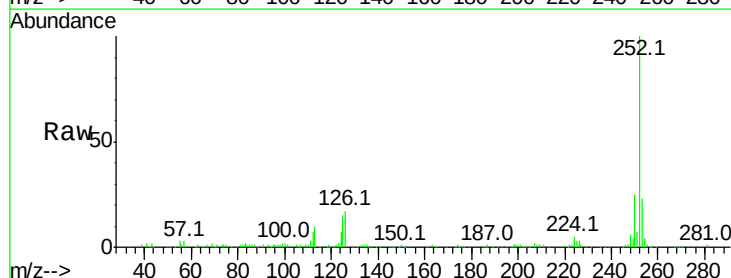
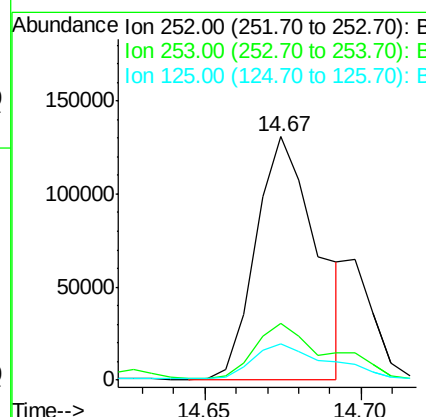
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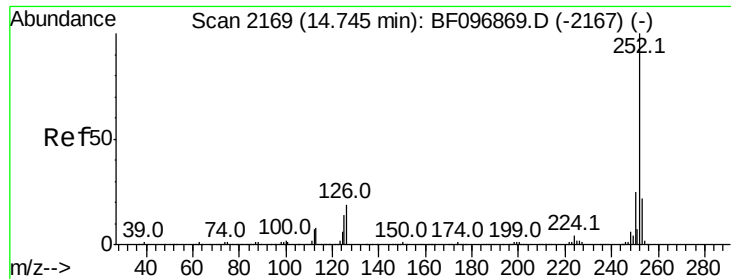
Sohil
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#87
Benzo(b)fluoranthene
Concen: 13.784 ng m
RT: 14.67 min Scan# 2157
Delta R.T. -0.05 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	14.8	9.8	14.8#





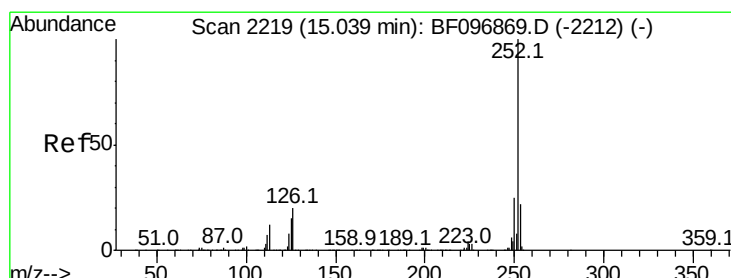
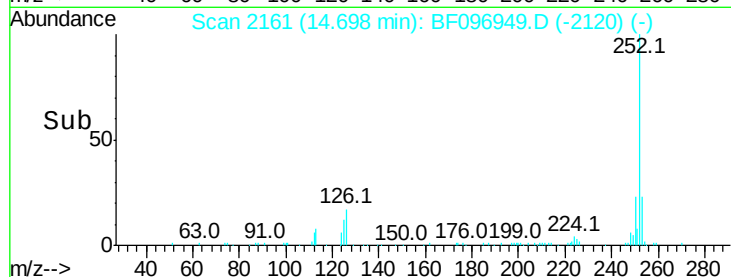
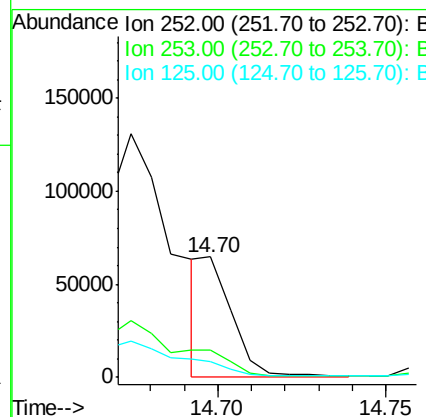
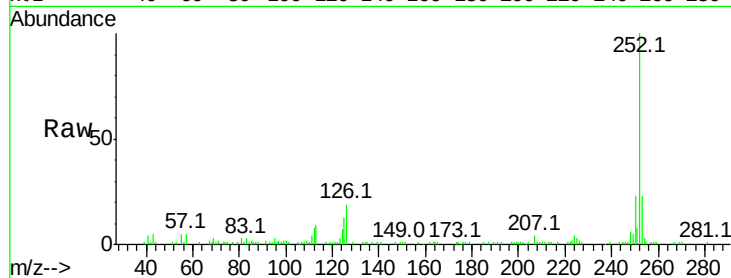
#88
Benzo(k)fluoranthene
Concen: 3.373 ng m
RT: 14.70 min Scan# 2161
Delta R.T. -0.06 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Instrument :
BNA_F
ClientSampleId :
SB-2D1011

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	13.4	13.1	19.7

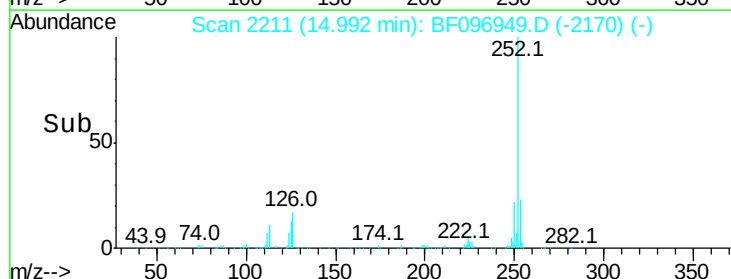
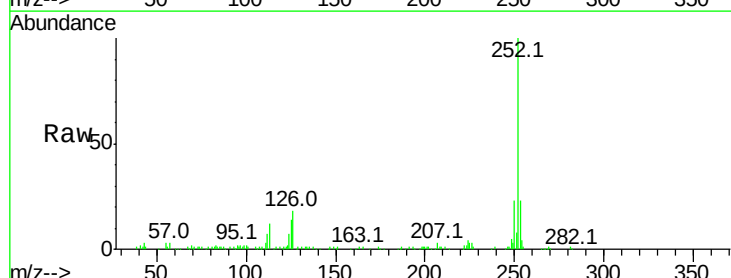
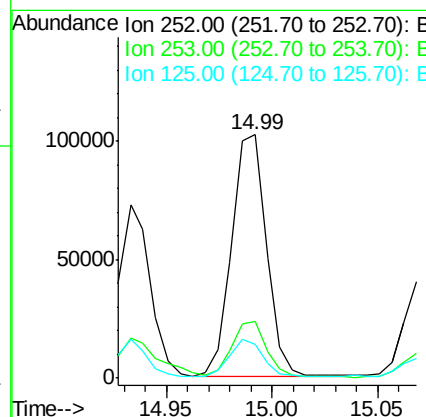
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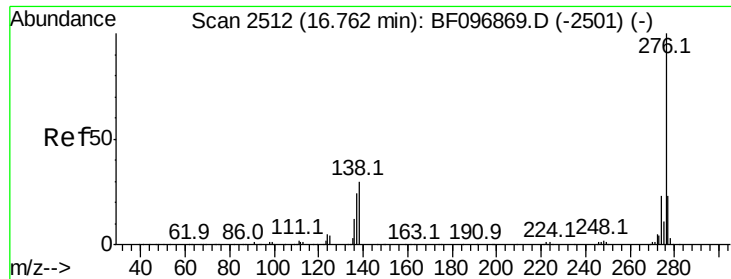
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#89
Benzo(a)pyrene
Concen: 9.817 ng
RT: 14.99 min Scan# 2211
Delta R.T. -0.06 min
Lab File: BF096949.D
Acq: 21 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	13.9	11.0	16.4





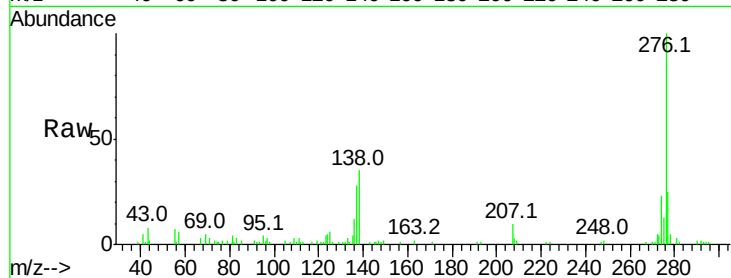
#91
 Benzo(a,h,i)perylene
 Concen: 5.276 ng
 RT: 16.67 min Scan# 2497
 Delta R.T. -0.11 min
 Lab File: BF096949.D
 Acq: 21 Jul 2017 17:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-2D1011

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	34.8	25.4	38.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

