

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096811.D
 Acq On : 17 Jul 2017 11:28
 Operator : SJ/JU
 Sample : I4172-14 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-WSW

Manual Integrations
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 7/20/2017 8:36:46 AM

Quant Time: Jul 17 13:11:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 17 13:08:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	90047	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	372351	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	171952	20.00	ng	0.00
63) Phenanthrene-d10	11.11	188	309241	20.00	ng	0.00
75) Chrysene-d12	13.73	240	216827	20.00	ng	0.00
86) Perylene-d12	15.10	264	151362	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	98060	16.37	ng	0.00
7) Phenol-d6	6.25	99	120590	16.78	ng	-0.01
23) Nitrobenzene-d5	7.16	82	65144	10.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	19981	13.61	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	123107	11.31	ng	-0.01
78) Terphenyl-d14	12.69	244	112648	9.01	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	9.67	154	22863	2.237	ng	94
57) Fluorene	10.18	166	22127	2.091	ng	96
70) Phenanthrene	11.13	178	323194	19.221	ng	98
71) Anthracene	11.19	178	53609	3.153	ng	99
74) Fluoranthene	12.32	202	341693	21.231	ng	98
77) Pyrene	12.54	202	305013	15.500	ng	98
80) Benzo(a)anthracene	13.72	228	95632	7.079	ng	99
82) Chrysene	13.76	228	86561	6.508	ng	97
85) Indeno(1,2,3-cd)pyrene	16.39	276	36430	6.170	ng	97
87) Benzo(b)fluoranthene	14.73	252	70591m	7.733	ng	
88) Benzo(k)fluoranthene	14.74	252	29013m	3.356	ng	
89) Benzo(a)pyrene	15.04	252	56218	6.714	ng	97
91) Benzo(a,h,i)perylene	16.77	276	35134	4.259	ng	90

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

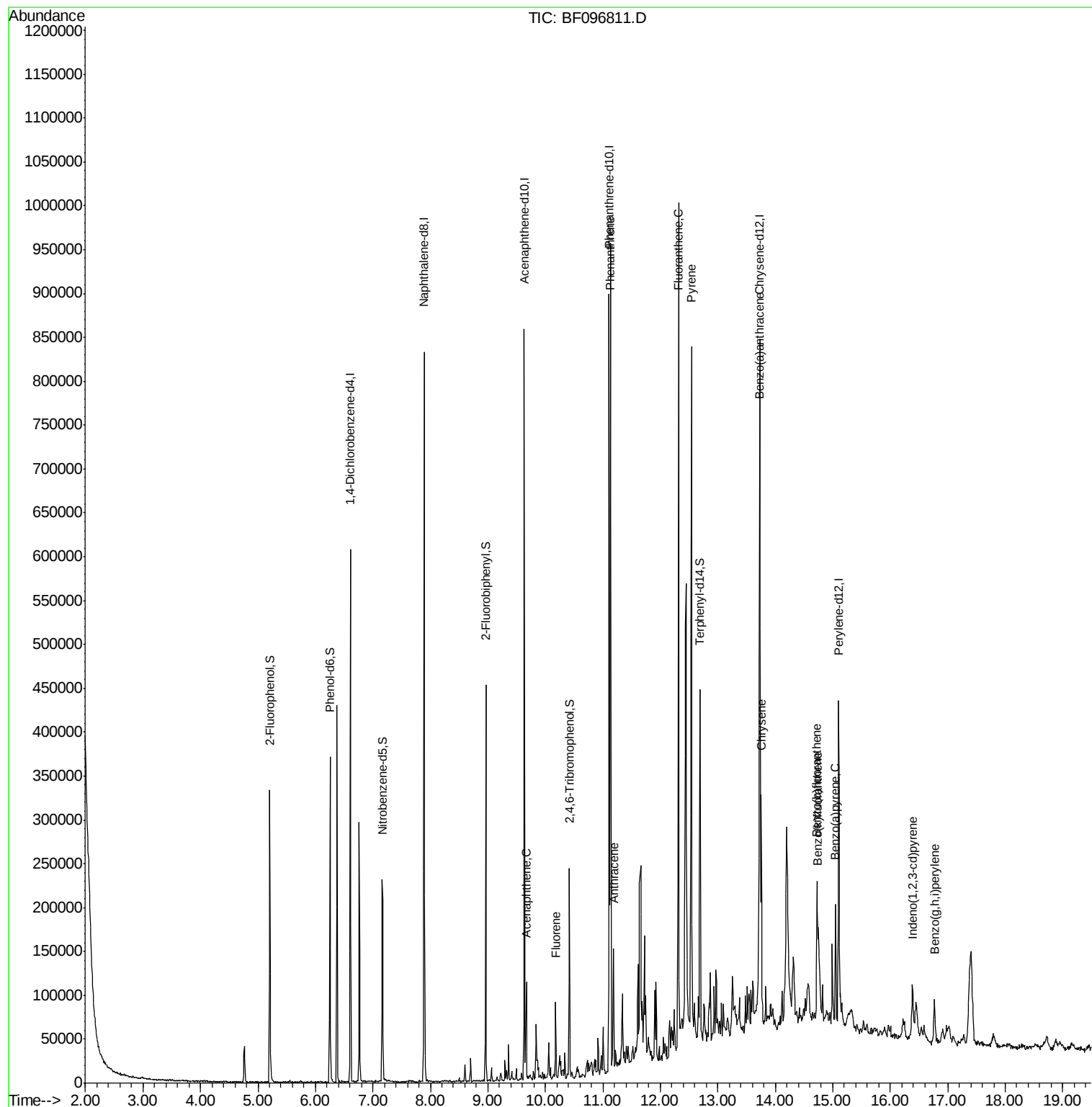
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
Data File : BF096811.D
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Operator : SJ/JU
Sample : I4172-14 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

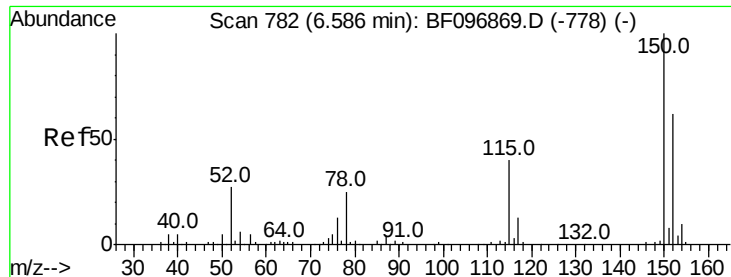
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

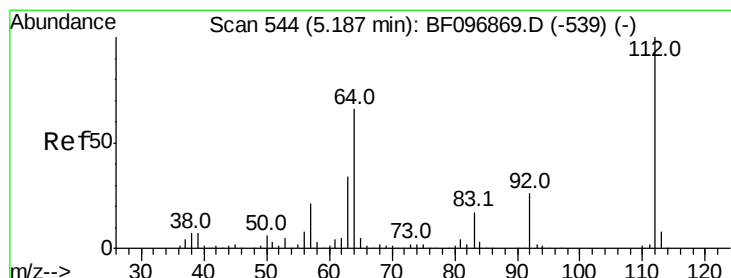
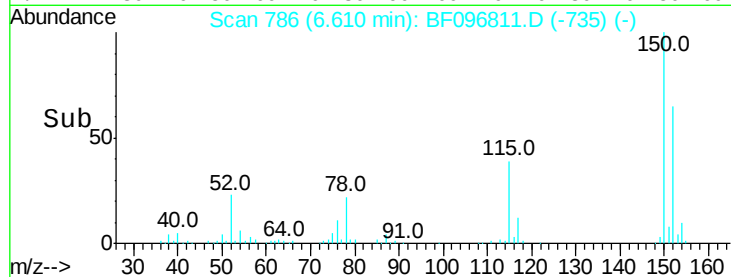
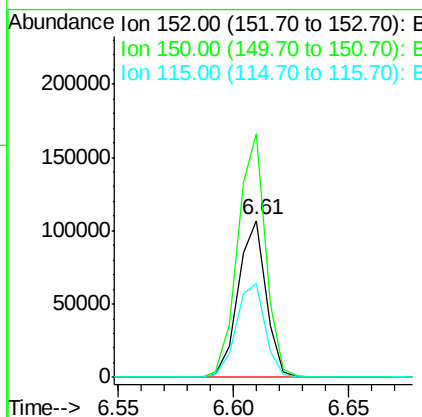
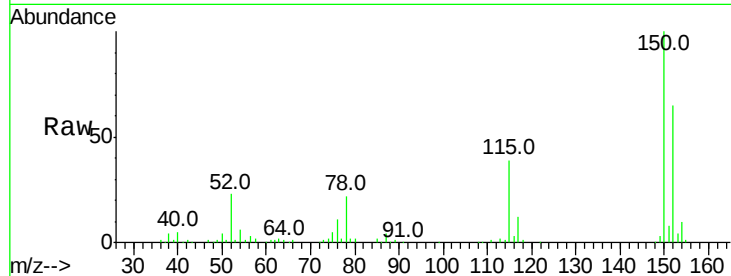
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	59.8	52.2	78.2

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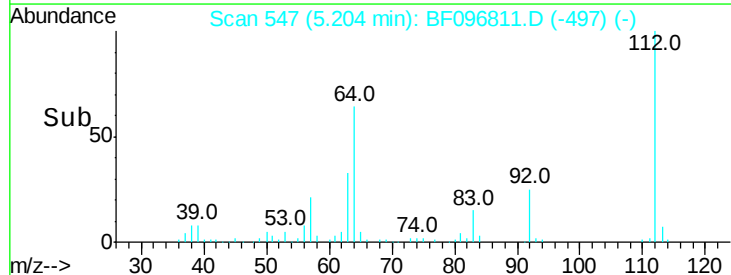
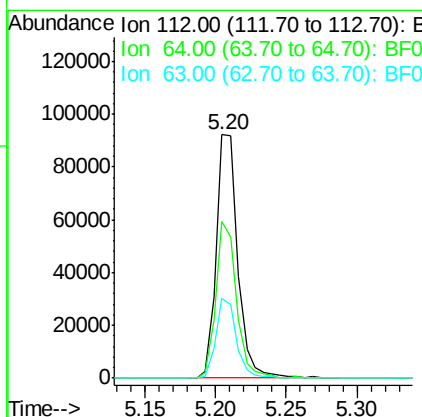
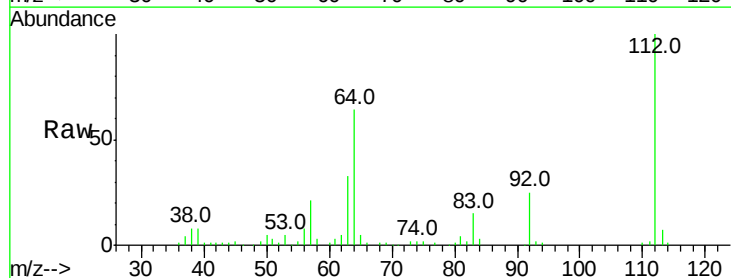
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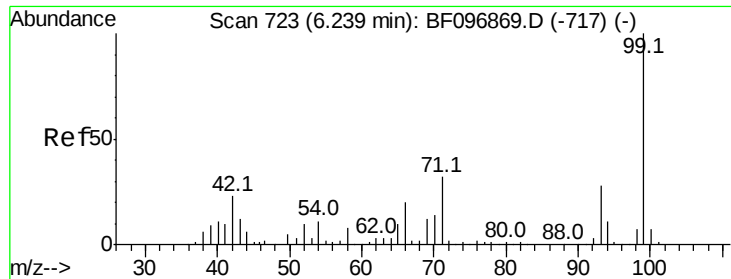


#5

2-Fluorophenol
Concen: 16.374 ng
RT: 5.20 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	46.0	69.0
63	33.0	23.4	35.0





#7

Phenol-d6

Concen: 16.779 ng

RT: 6.25 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096811.D

Acq: 17 Jul 2017 11:28

Instrument :

BNA_F

ClientSampleId :

E2-05-WSW

Tot Ion: 99 Resp: 120590

Ion Ratio Lower Upper

99 100

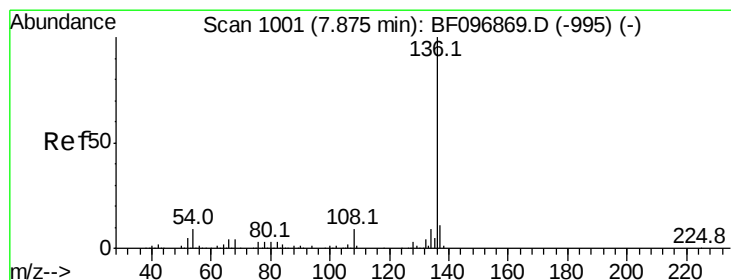
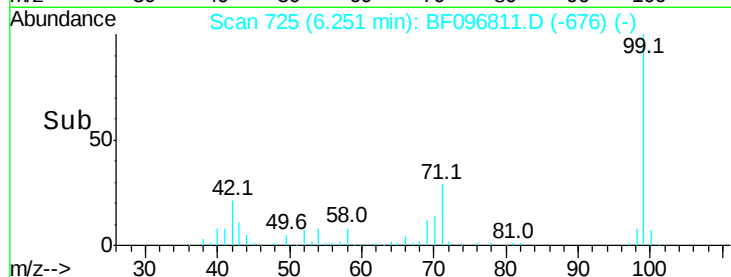
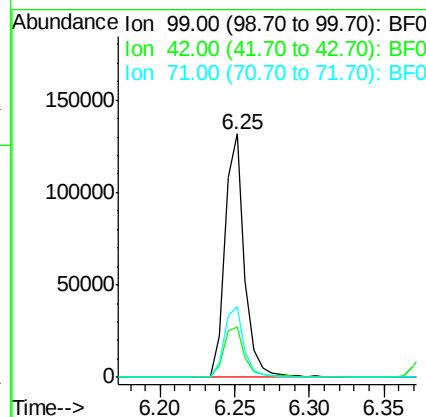
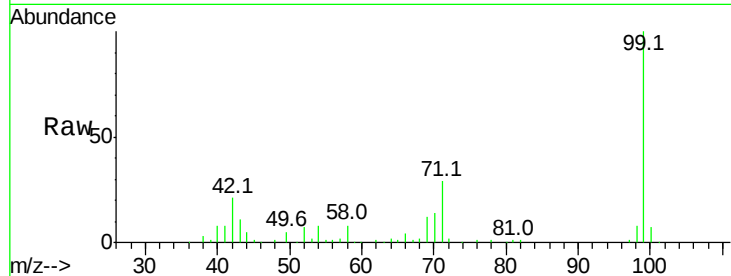
42 20.6 13.5 20.3#

71 29.0 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BF096811.D

Acq: 17 Jul 2017 11:28

Tgt Ion: 136 Resp: 372351

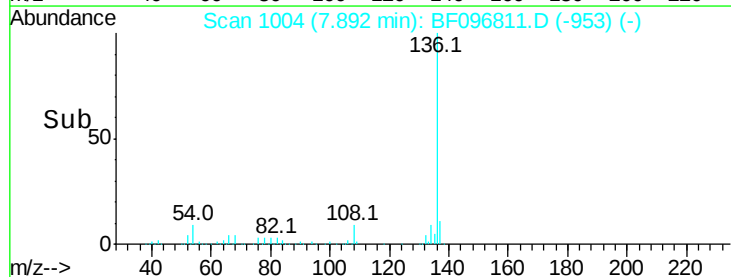
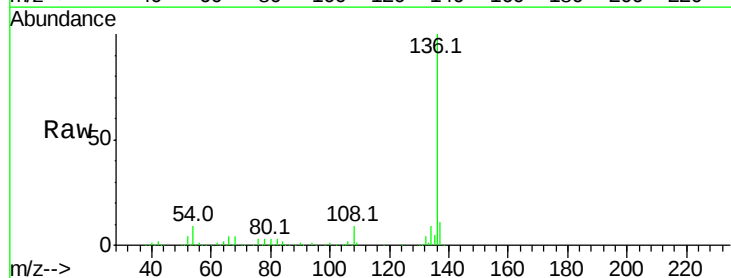
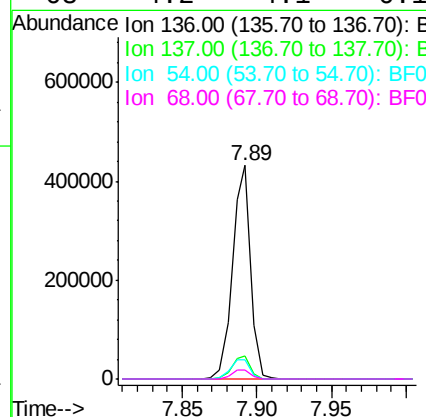
Ion Ratio Lower Upper

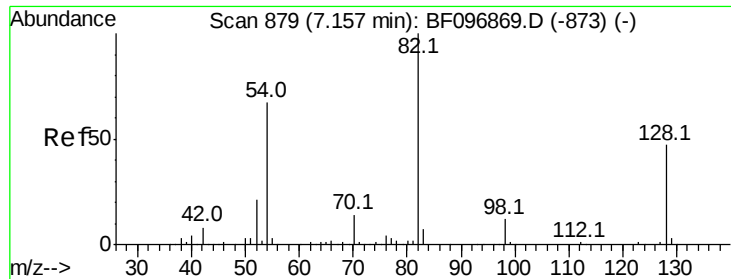
136 100

137 10.6 8.5 12.7

54 9.0 4.9 7.3#

68 4.2 4.1 6.1





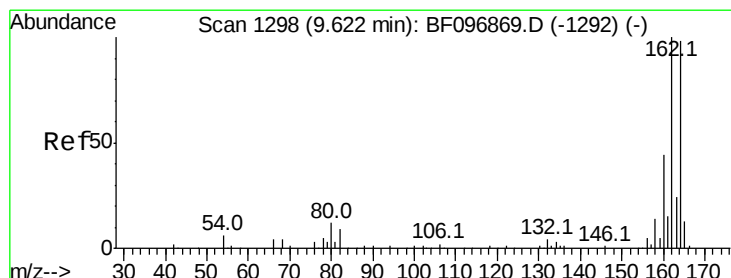
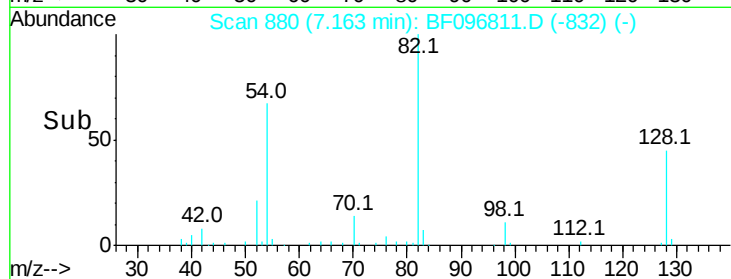
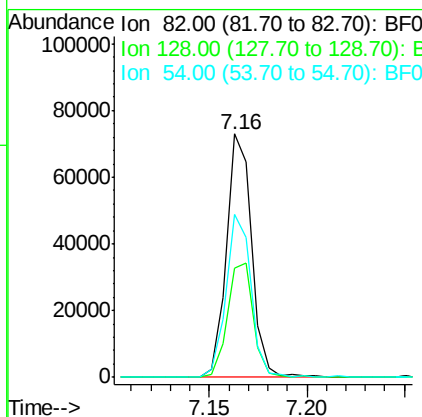
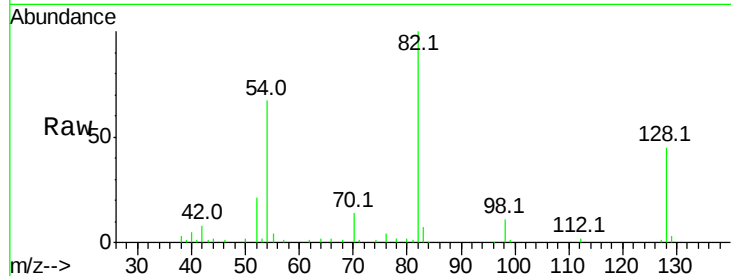
#23
Nitrobenzene-d5
Concen: 10.837 ng
RT: 7.16 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	66.7	42.2	63.2

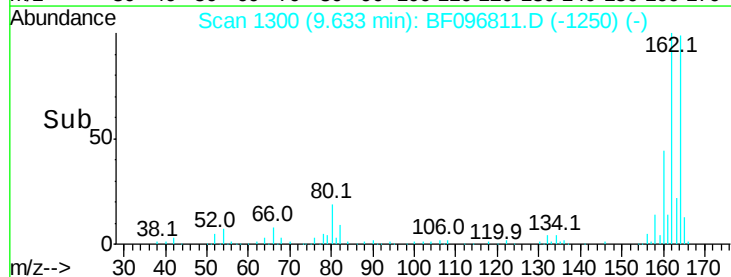
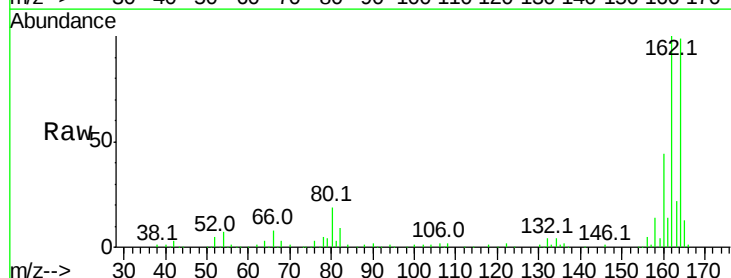
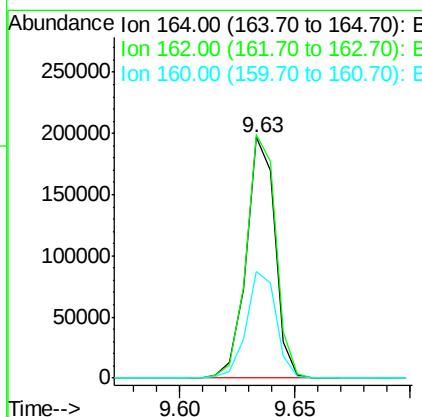
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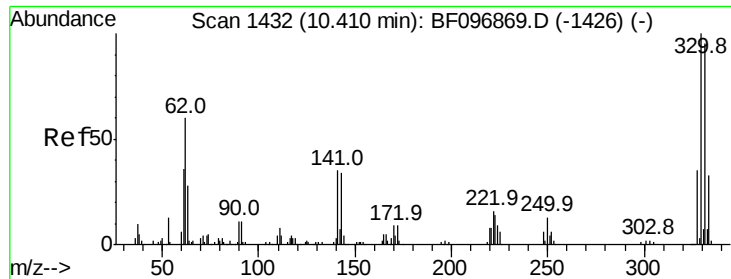
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.6	123.8
160	44.4	36.2	54.2





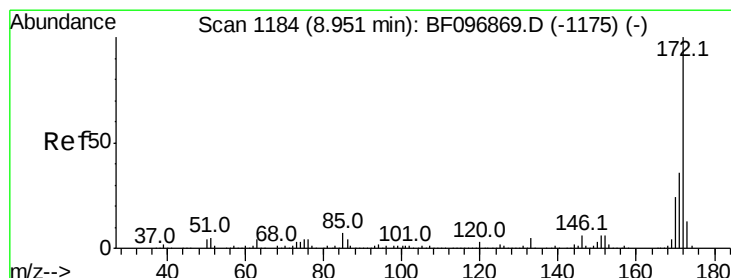
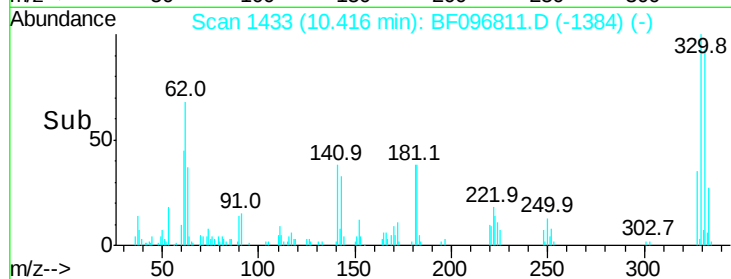
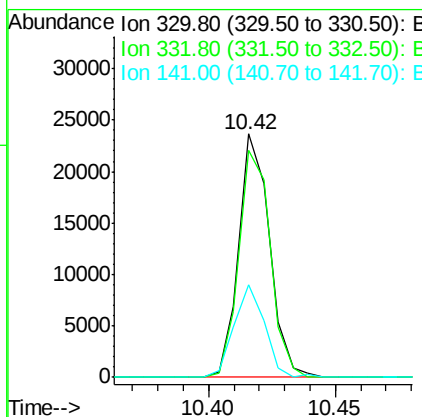
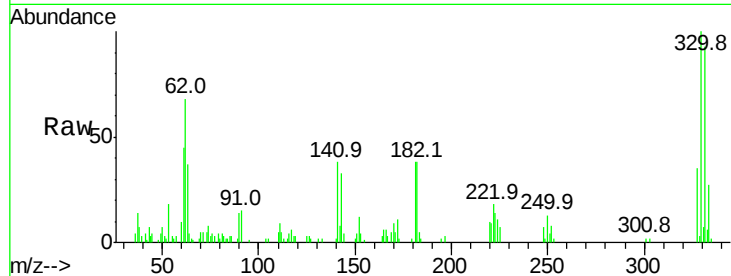
#41
 2,4,6-Tribromophenol
 Concen: 13.613 ng
 RT: 10.42 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF096811.D
 Acq: 17 Jul 2017 11:28

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-WSW

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	115.0
141	37.8	31.4	47.2

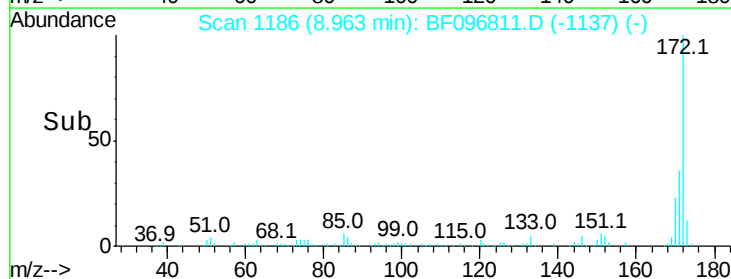
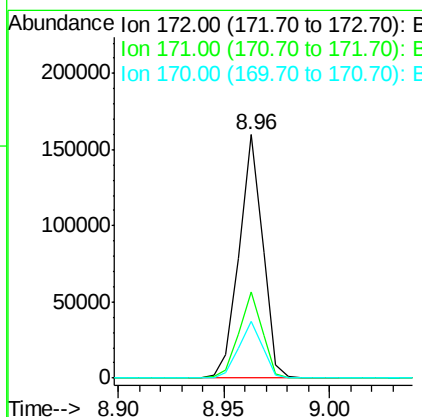
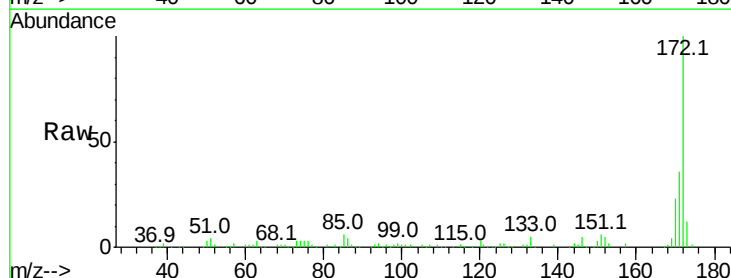
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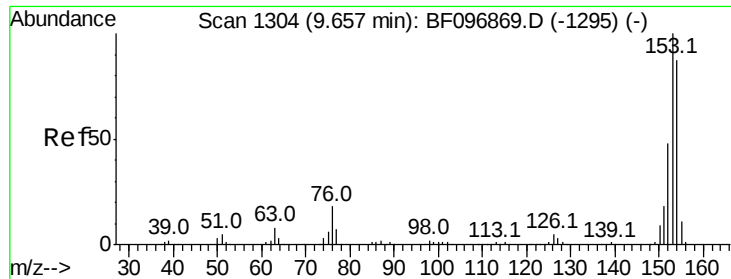
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#44
 2-Fluorobiphenyl
 Concen: 11.311 ng
 RT: 8.96 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF096811.D
 Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.2	19.8	29.8





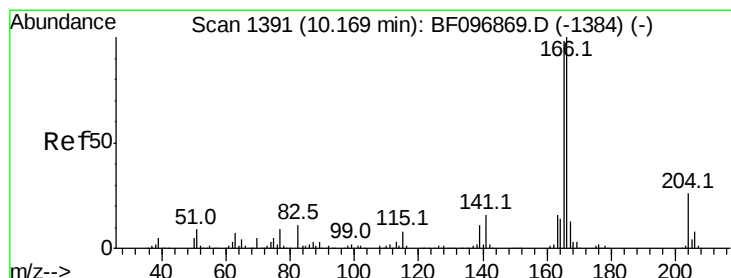
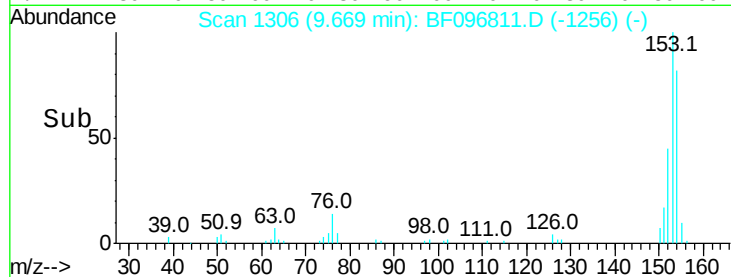
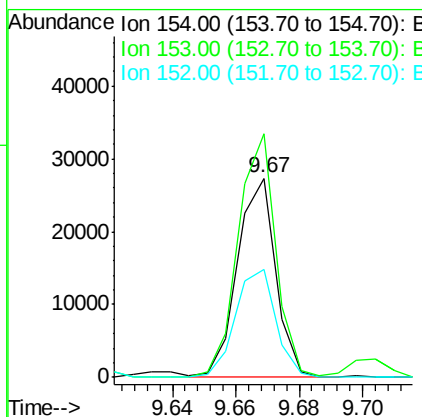
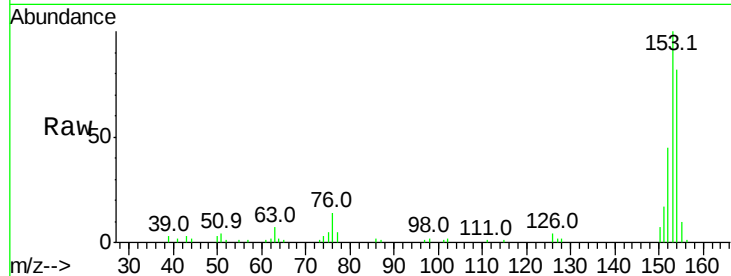
#51
Acenaphthene
Concen: 2.237 ng
RT: 9.67 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.2	90.5	135.7
152	54.4	43.6	65.4

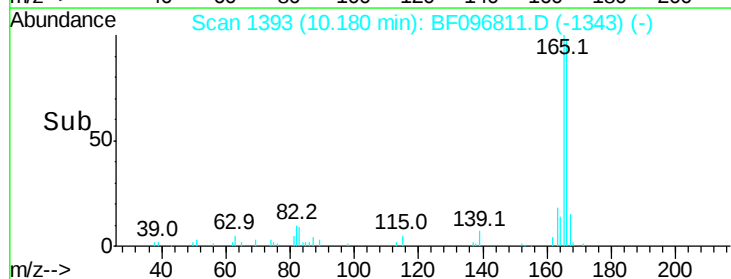
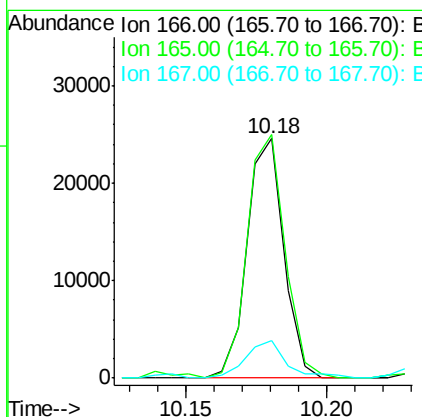
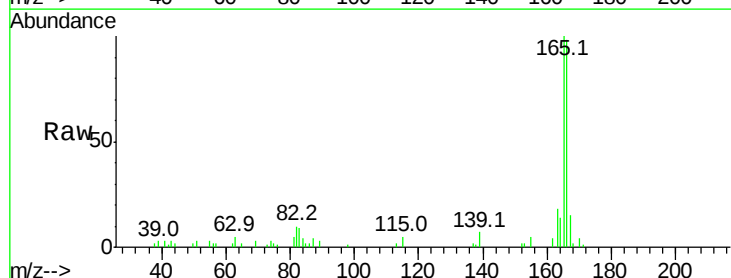
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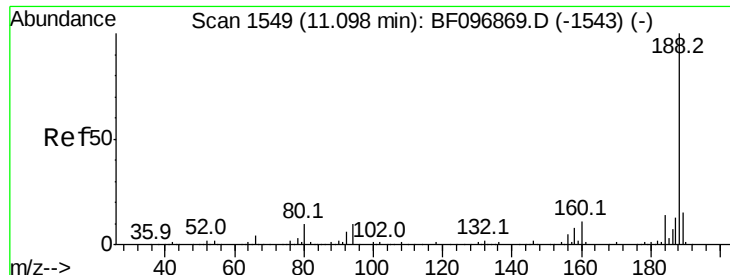
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#57
Fluorene
Concen: 2.091 ng
RT: 10.18 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.8	78.8	118.2
167	15.7	10.6	16.0





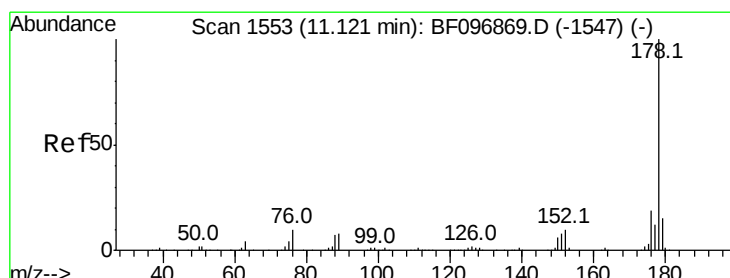
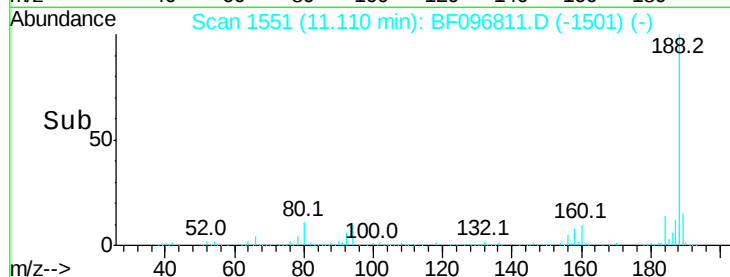
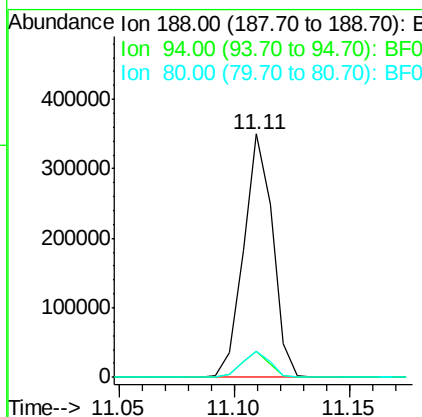
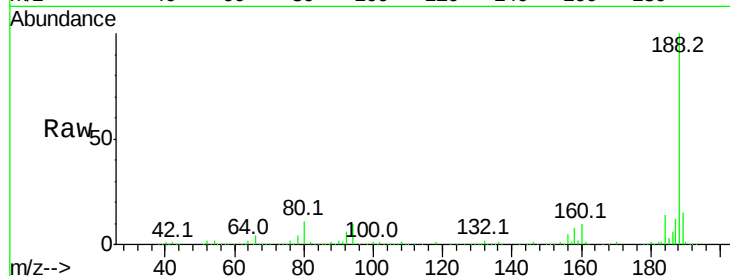
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	309241		
94	10.4		9.4	14.2
80	10.8		10.2	15.2

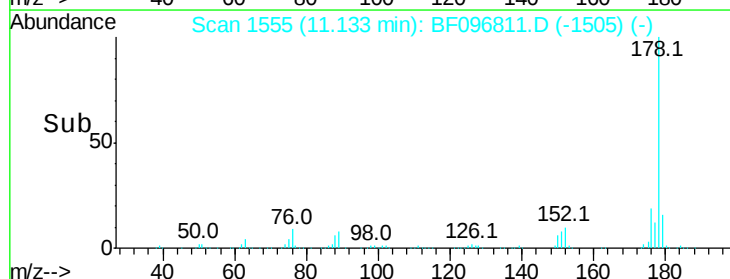
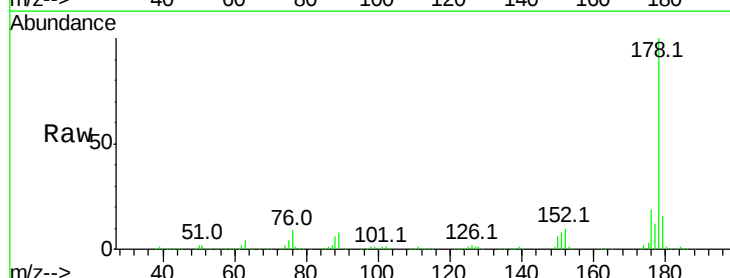
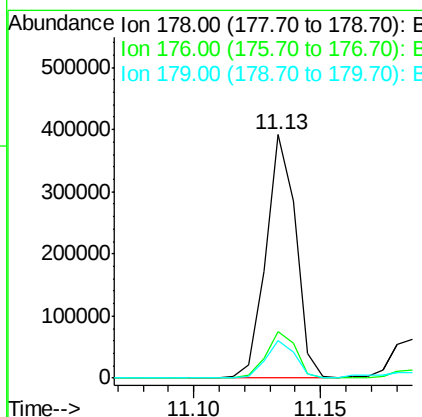
Manual Integrations
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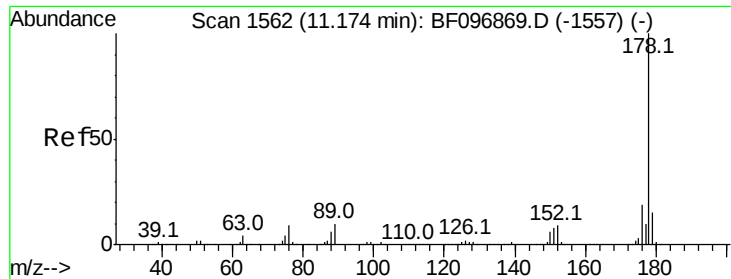
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#70
Phenanthrene
Concen: 19.221 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	323194		
176	19.1		16.2	24.4
179	15.7		12.6	19.0





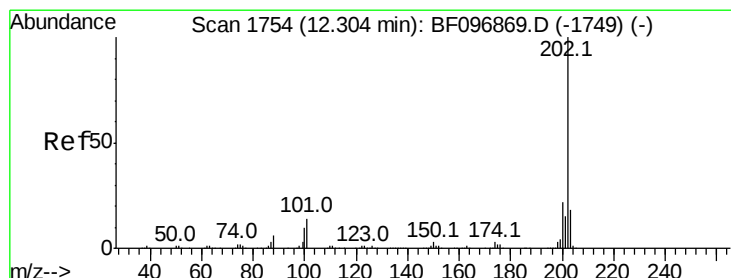
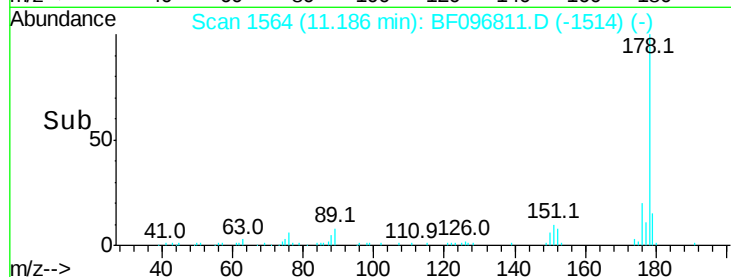
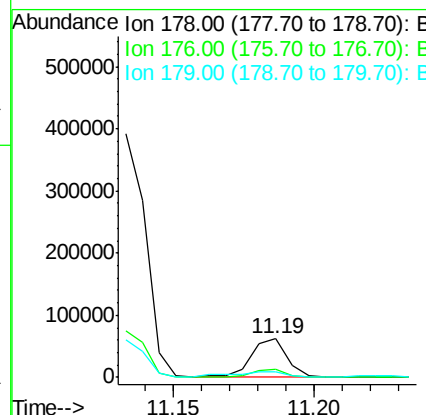
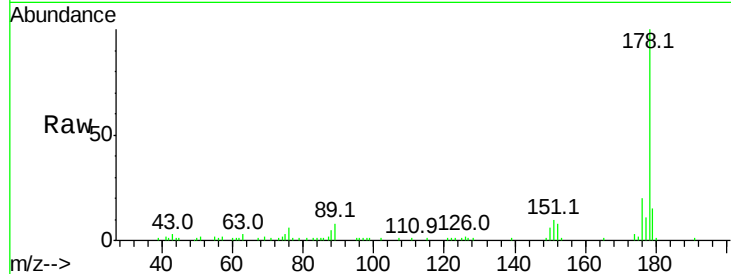
#71
 Anthracene
 Concen: 3.153 ng
 RT: 11.19 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF096811.D
 Acq: 17 Jul 2017 11:28

Instrument :
 BNA_F
 ClientSampled :
 E2-05-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.4	12.7	19.1

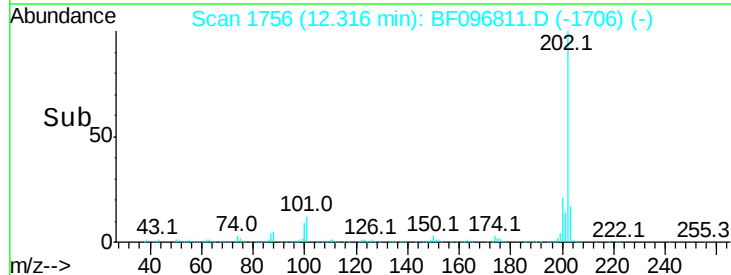
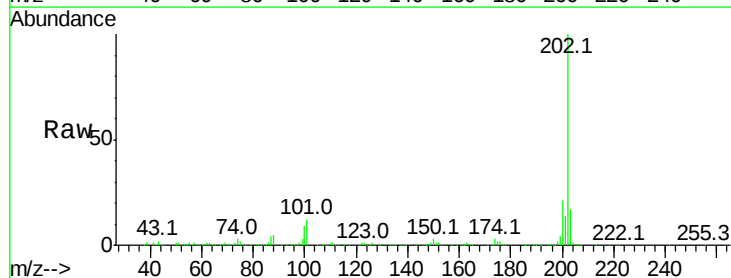
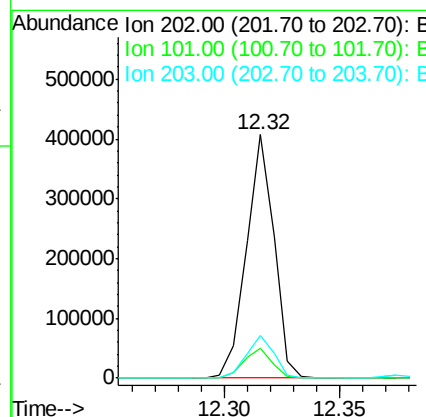
Manual Integrations
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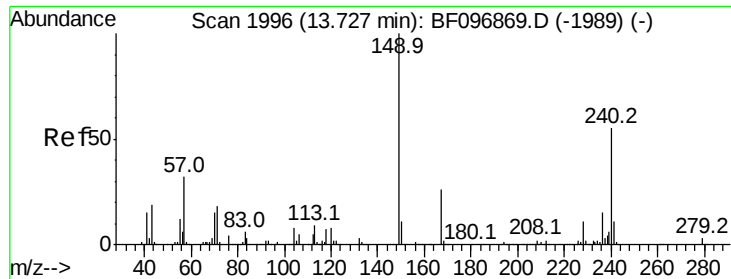
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#74
 Fluoranthene
 Concen: 21.231 ng
 RT: 12.32 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BF096811.D
 Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF096811.D

Acq: 17 Jul 2017 11:28

Instrument :

BNA_F

ClientSampleId :

E2-05-WSW

Tot Ion:240 Resp: 216827

Ion Ratio Lower Upper

240 100

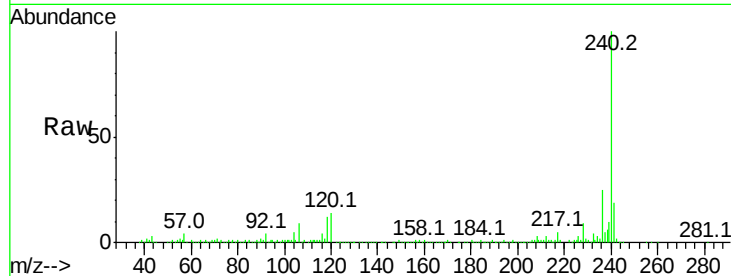
120 13.8 5.8 8.8#

236 25.1 20.5 30.7

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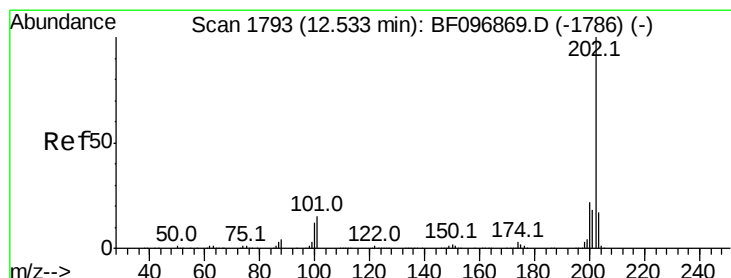
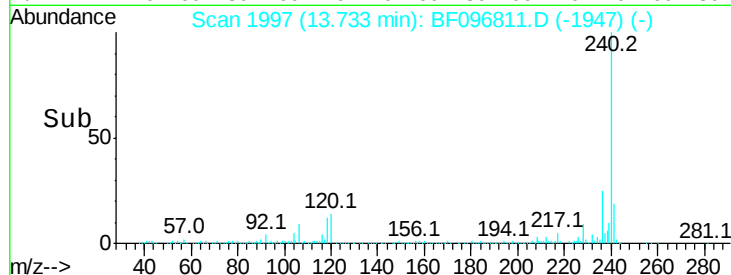
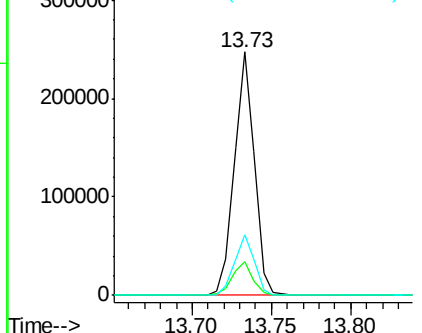
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.500 ng

RT: 12.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF096811.D

Acq: 17 Jul 2017 11:28

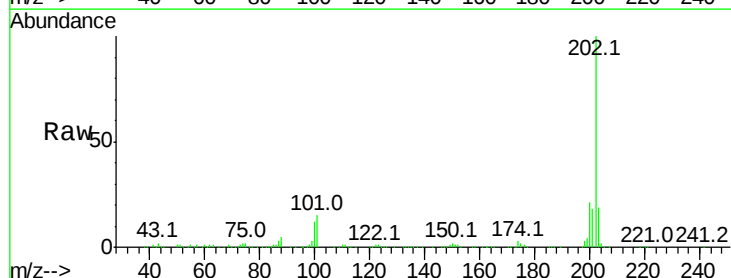
Tgt Ion:202 Resp: 305013

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

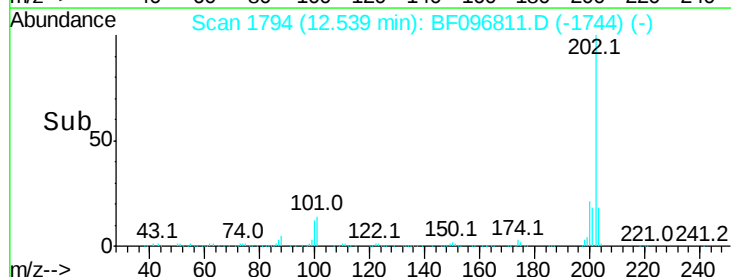
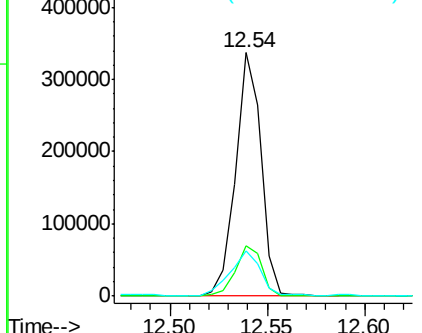
203 18.7 14.4 21.6

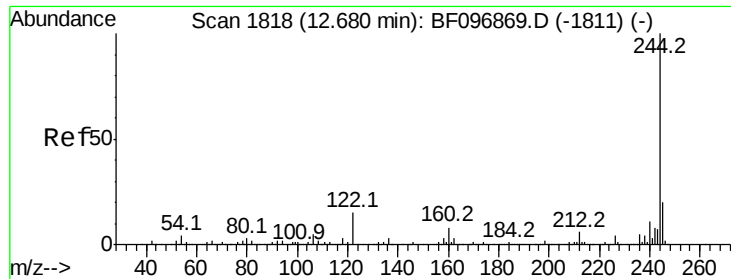


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





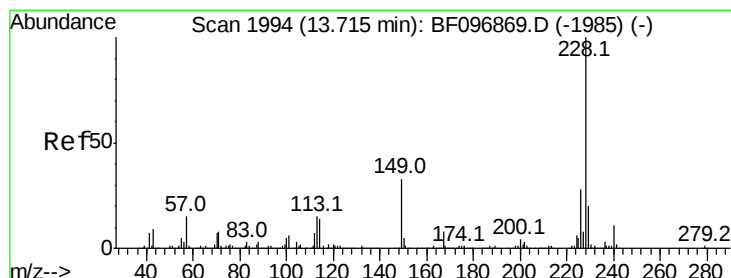
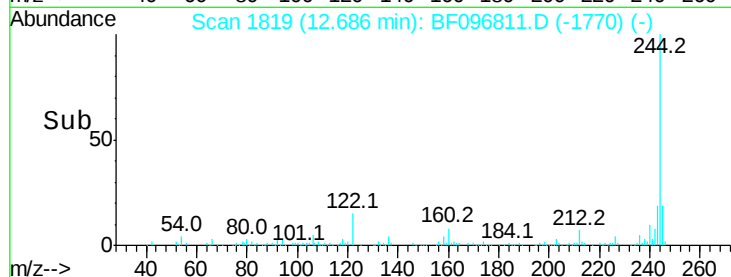
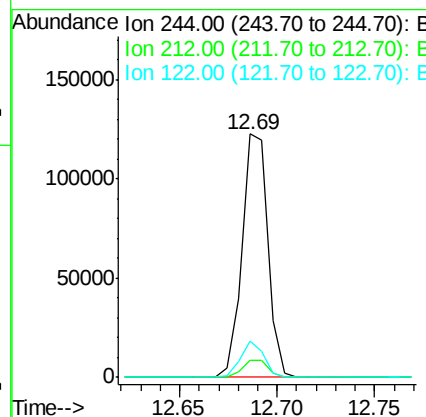
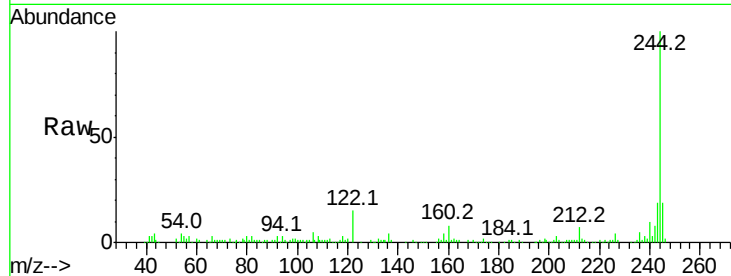
#78
 Terphenyl-d14
 Concen: 9.010 ng
 RT: 12.69 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF096811.D
 Acq: 17 Jul 2017 11:28

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-WSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.0	10.3	15.5

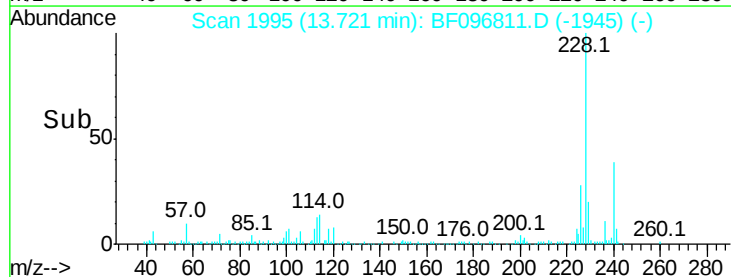
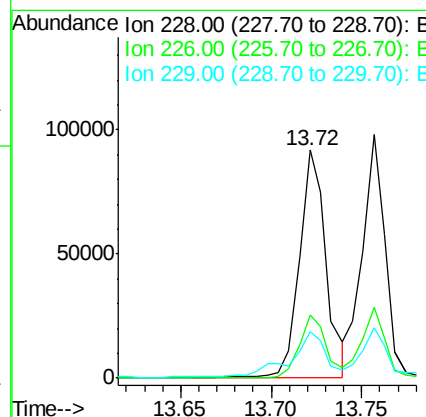
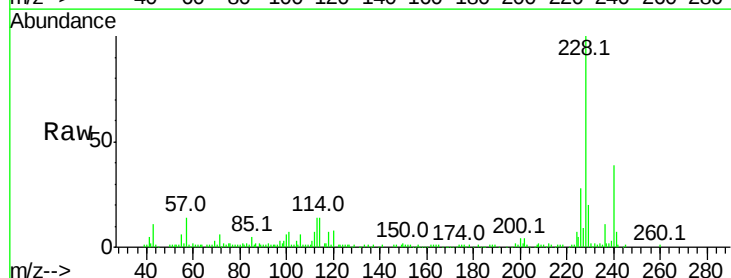
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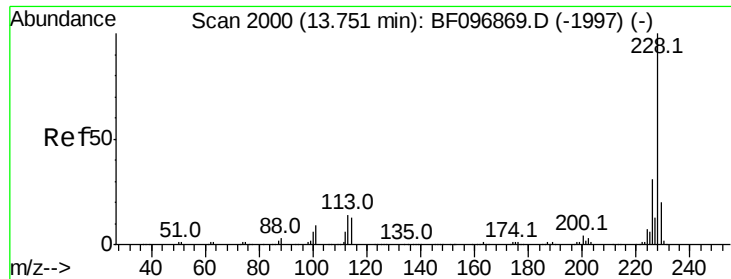
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#80
 Benzo(a)anthracene
 Concen: 7.079 ng
 RT: 13.72 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF096811.D
 Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.4	16.3	24.5





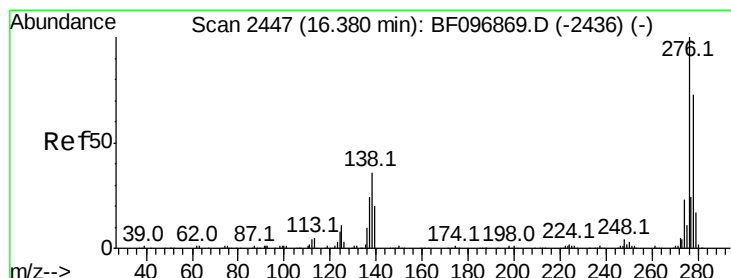
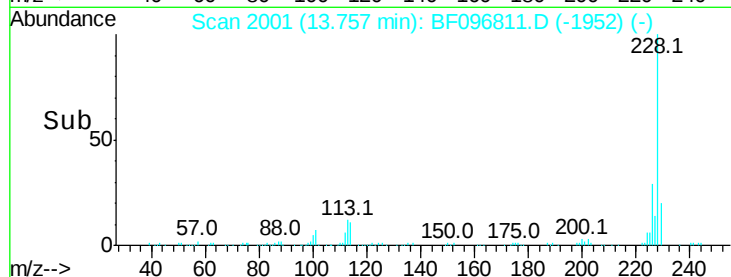
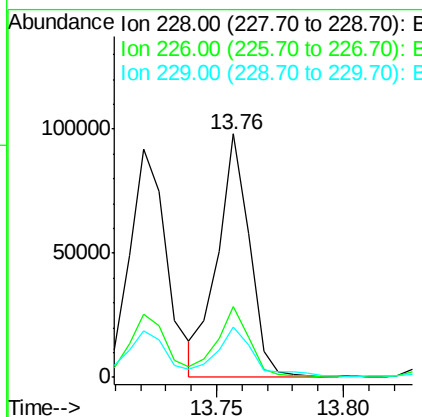
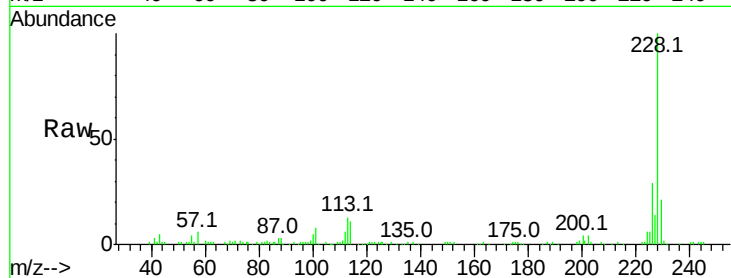
#82
Chrysene
Concen: 6.508 ng
RT: 13.76 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	20.7	15.8	23.6

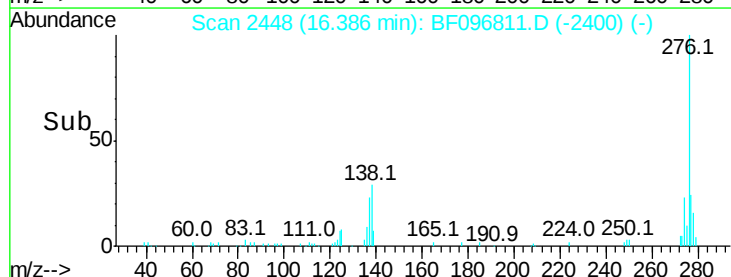
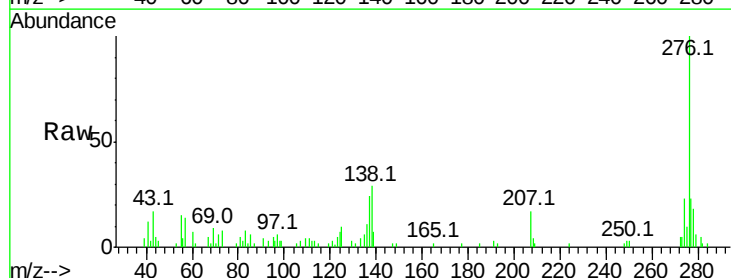
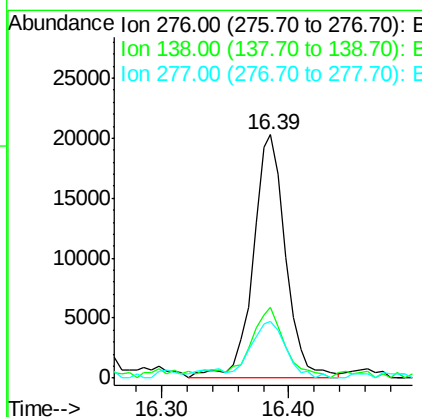
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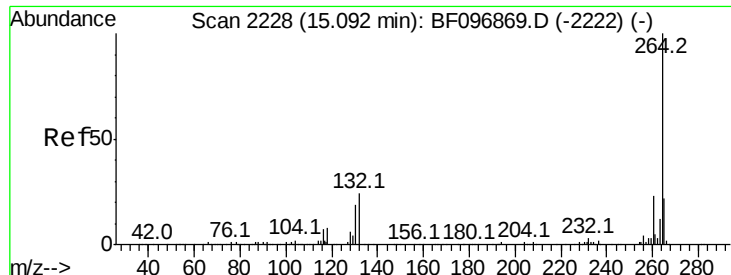
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.170 ng
RT: 16.39 min Scan# 2448
Delta R.T. -0.02 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.0	27.8	41.6
277	25.0	20.2	30.4





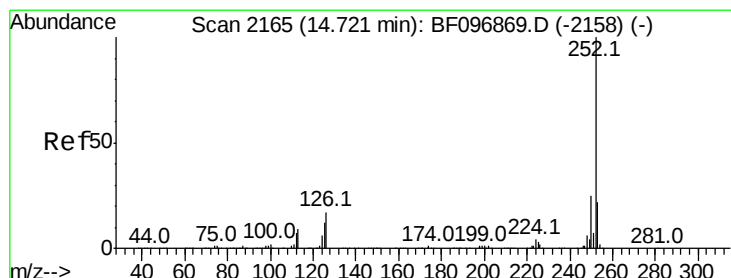
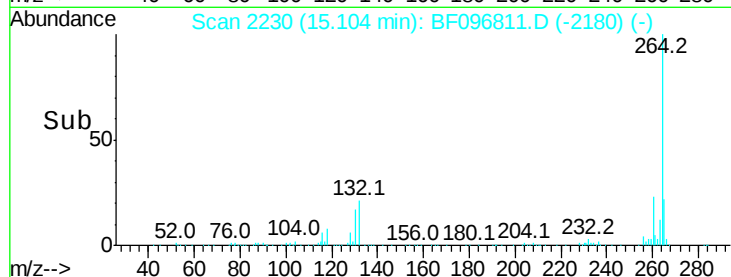
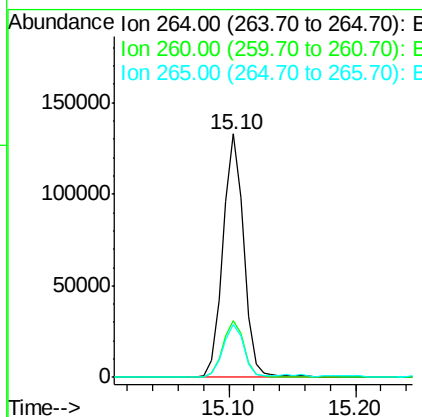
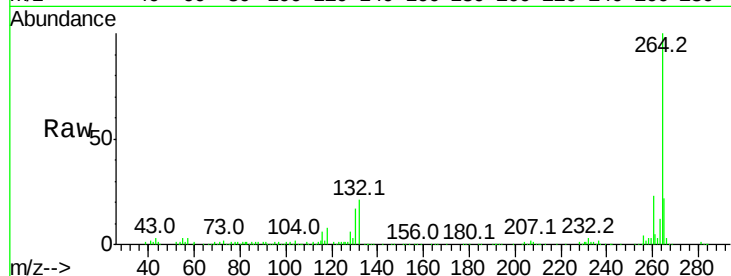
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.10 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.8	17.2	25.8

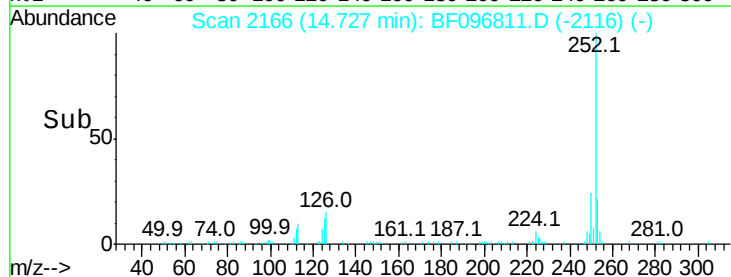
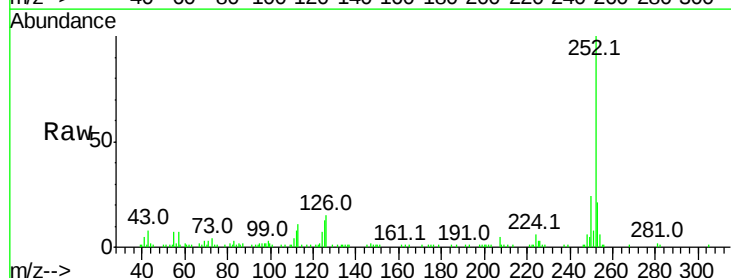
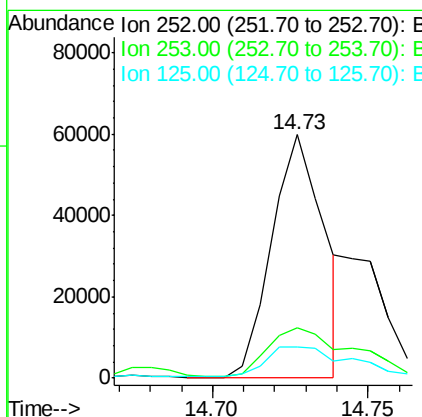
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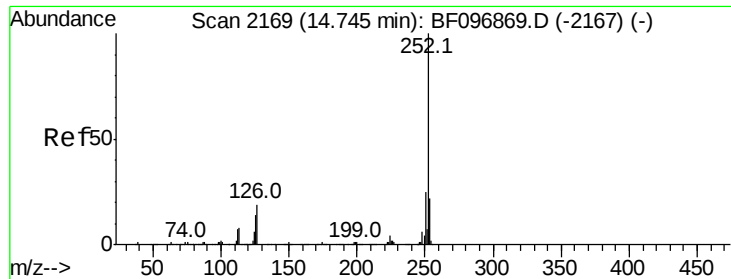
mohammad
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#87
Benzo(b)fluoranthene
Concen: 7.733 ng m
RT: 14.73 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.1	27.1
125	12.9	9.8	14.8





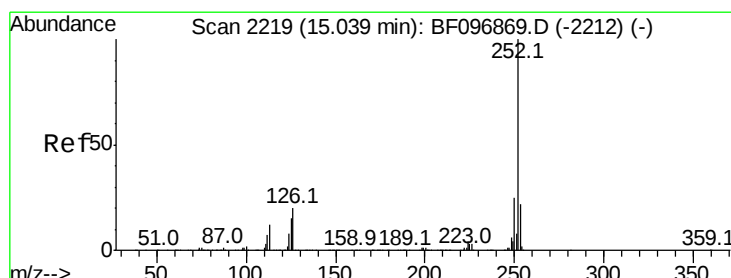
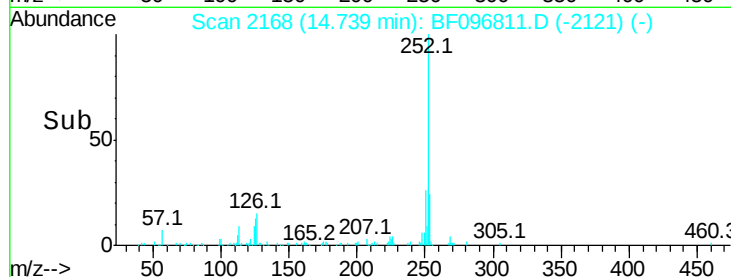
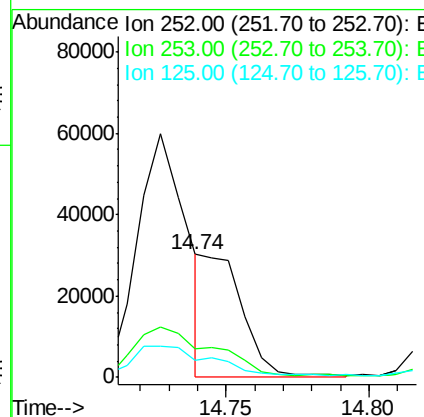
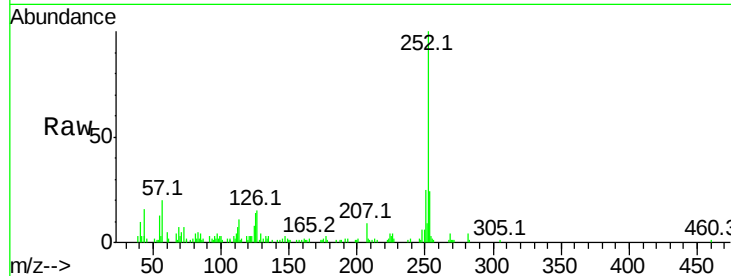
#88
Benzo(k)fluoranthene
Concen: 3.356 ng m
RT: 14.74 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	14.2	13.1	19.7

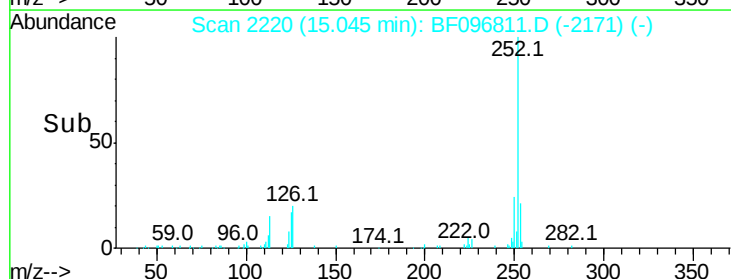
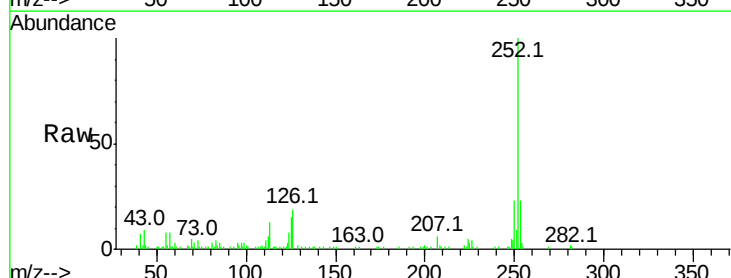
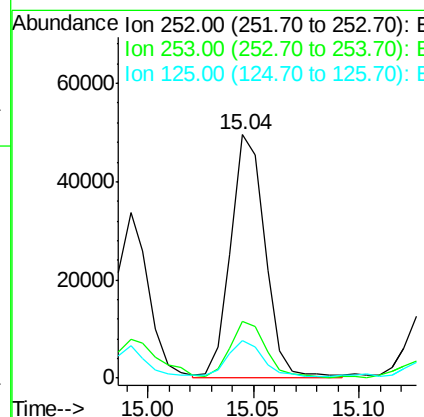
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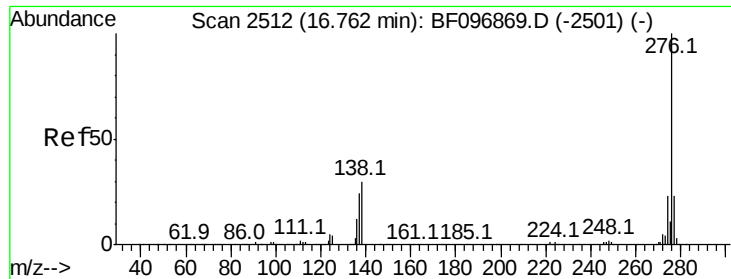
mohammad
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#89
Benzo(a)pyrene
Concen: 6.714 ng
RT: 15.04 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF096811.D
Acq: 17 Jul 2017 11:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	15.2	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.259 ng
 RT: 16.77 min Scan# 2513
 Delta R.T. -0.02 min
 Lab File: BF096811.D
 Acq: 17 Jul 2017 11:28

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-WSW

Tot Ion:	276	Resp:	35134
Ion Ratio	Lower	Upper	
276	100		
277	27.6	18.6	28.0
138	25.7	25.4	38.0

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