

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097950.D
 Acq On : 22 Aug 2017 12:41
 Operator : SJ/JU
 Sample : I4872-20DL 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31-COMPDL

Manual Integrations
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Quant Time: Aug 22 13:31:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	103557	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	370256	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	136979	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	248969	20.00	ng	0.00
75) Chrysene-d12	13.90	240	210812	20.00	ng	0.00
86) Perylene-d12	15.32	264	144646	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	139666	20.51	ng	0.00
7) Phenol-d6	6.37	99	181779	19.65	ng	-0.02
23) Nitrobenzene-d5	7.30	82	98748	14.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	18882	15.89	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	145484	15.60	ng	0.00
78) Terphenyl-d14	12.84	244	110668	10.95	ng	0.00
Target Compounds						
70) Phenanthrene	11.29	178	142709	10.757	ng	Qvalue 100
71) Anthracene	11.34	178	33224	2.469	ng	99
74) Fluoranthene	12.47	202	353032	25.494	ng	98
77) Pyrene	12.70	202	352851	20.465	ng	98
80) Benzo(a)anthracene	13.89	228	155759	12.328	ng	94
82) Chrysene	13.92	228	128376	10.214	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	58554	6.333	ng	# 92
87) Benzo(b)fluoranthene	14.91	252	145939m	16.006	ng	
88) Benzo(k)fluoranthene	14.93	252	49242m	5.749	ng	
89) Benzo(a)pyrene	15.26	252	108484	13.440	ng	97
90) Dibenzo(a,h)anthracene	16.70	278	14126m	2.150	ng	
91) Benzo(a,h,i)perylene	17.10	276	59136	8.625	ng	# 90

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

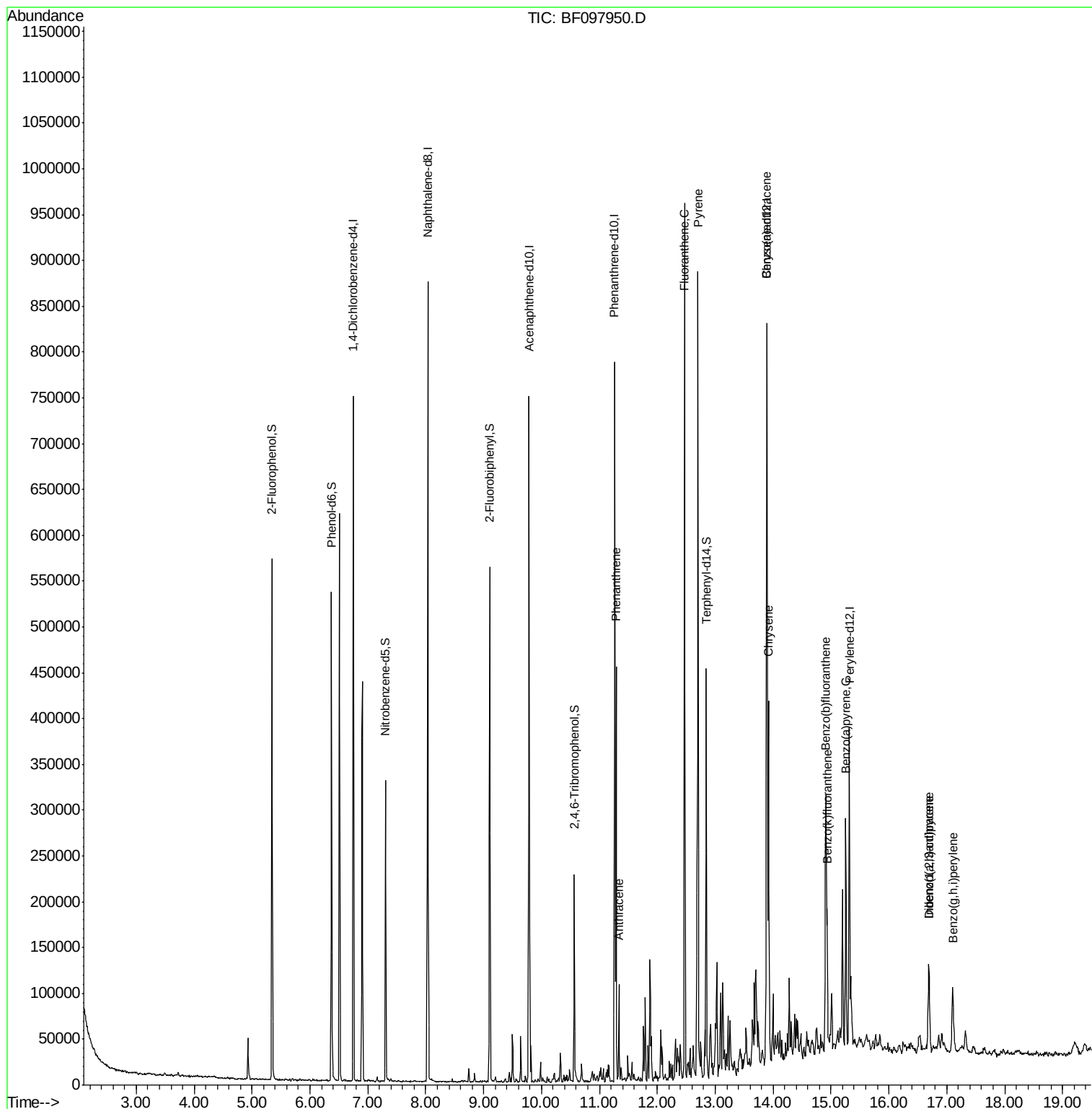
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
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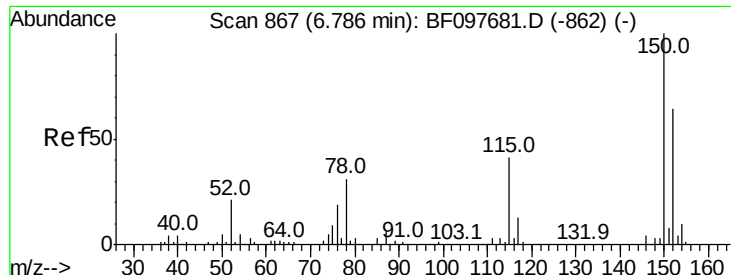
Instrument :
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SB-31-COMPDL

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#1

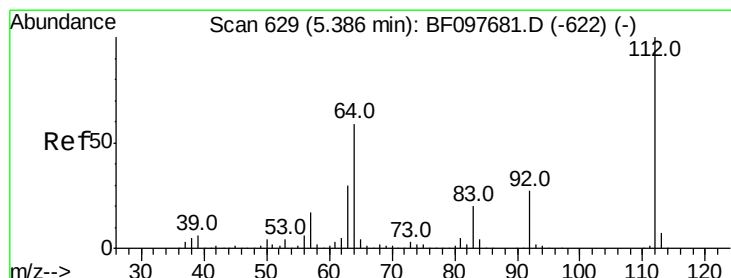
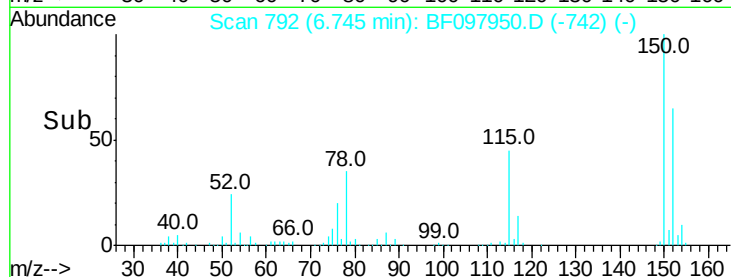
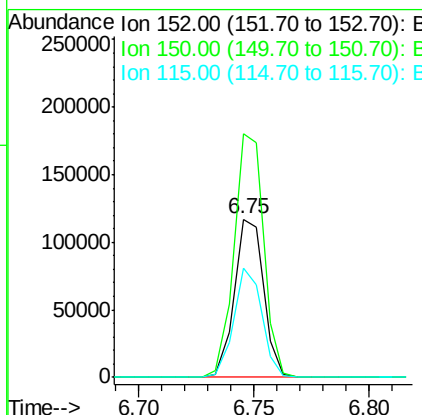
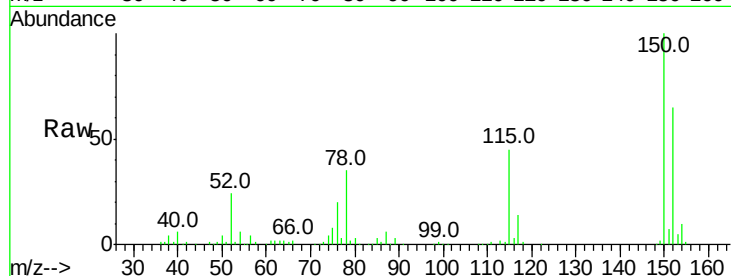
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Instrument :
 BNA_F
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	68.8	52.2	78.2

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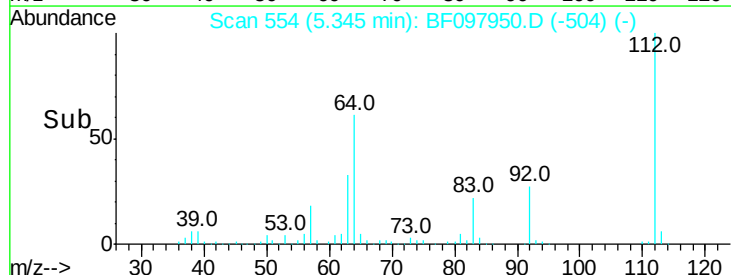
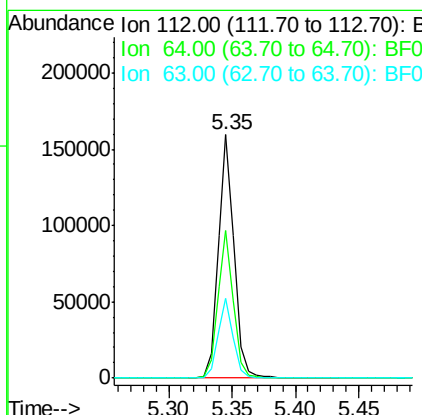
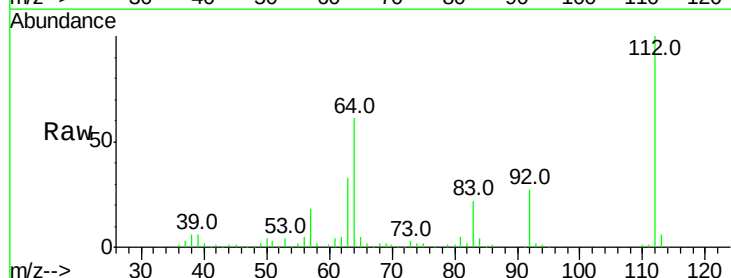
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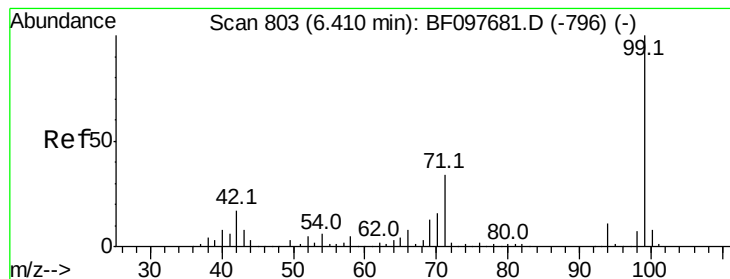


#5

2-Fluorophenol
 Concen: 20.515 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	46.0	69.0
63	33.0	23.4	35.0





#7

Phenol-d6

Concen: 19.651 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

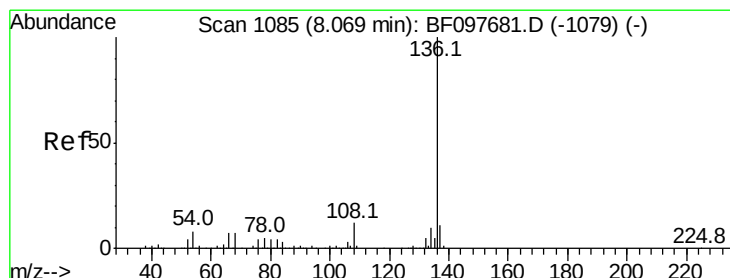
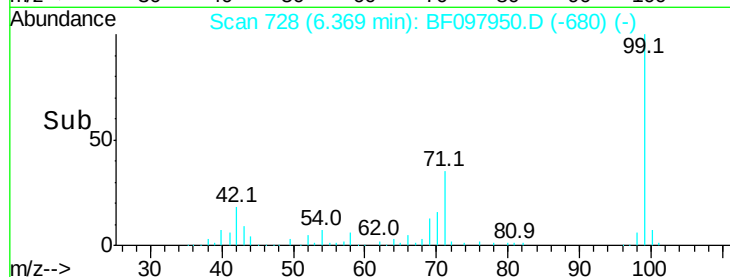
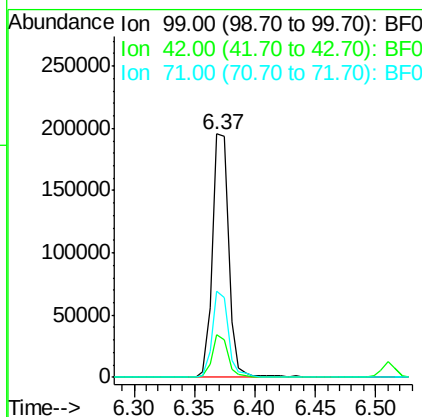
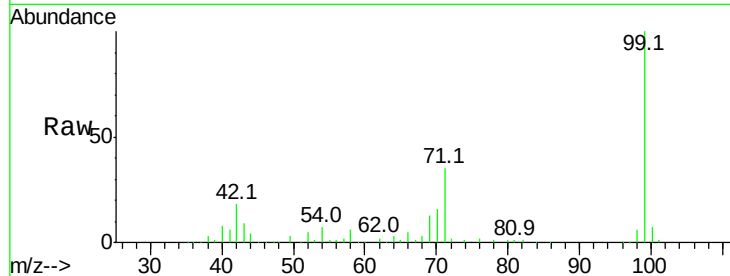
ClientSampled :

SB-31-COMPDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		181779		
42	17.8	13.5	20.3		
71	35.2	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

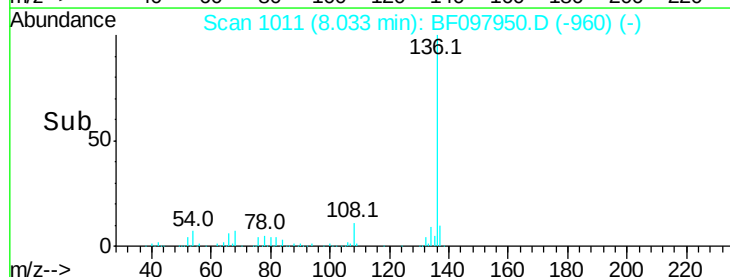
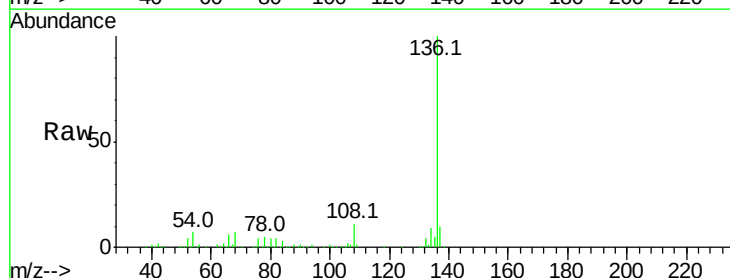
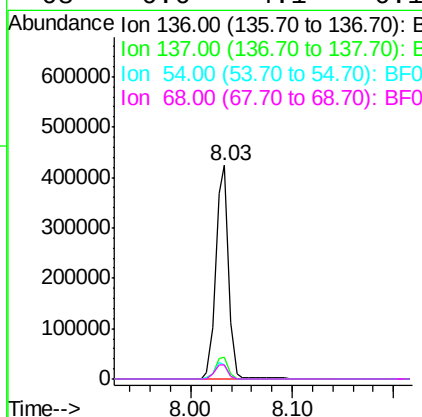
RT: 8.03 min Scan# 1011

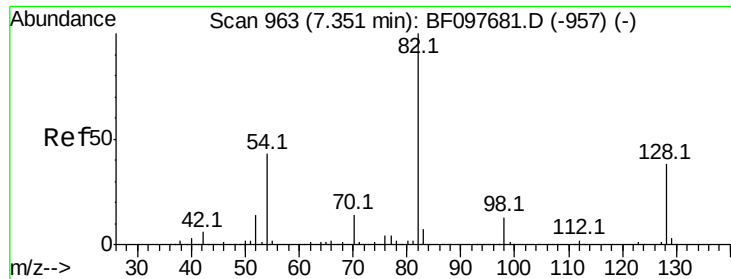
Delta R.T. -0.00 min

Lab File: BF097950.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		370256		
137	10.4	8.5	12.7		
54	6.8	4.9	7.3		
68	6.6	4.1	6.1#		





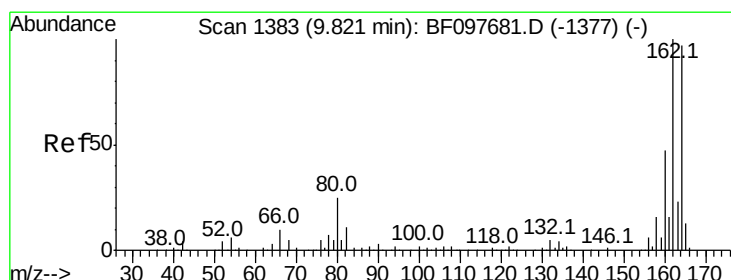
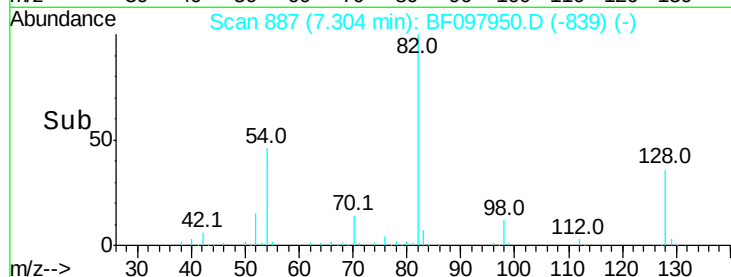
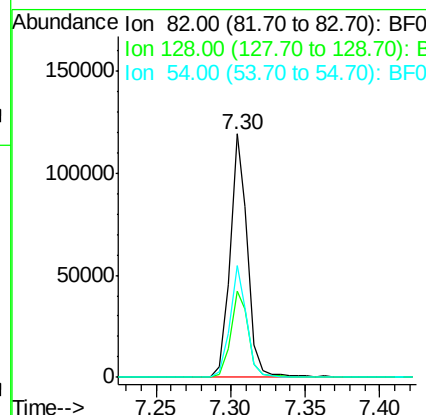
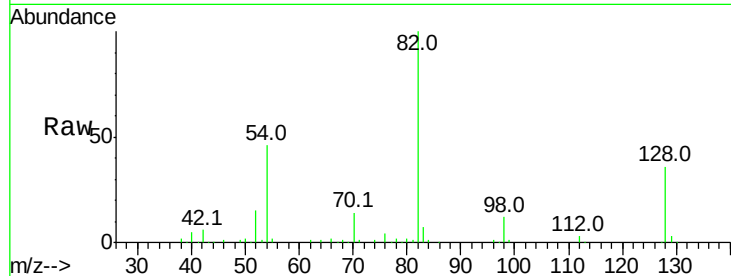
#23
 Nitrobenzene-d5
 Concen: 14.488 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Instrument :
 BNA_F
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Tot Ion	82	Resp:	98748
Ion Ratio	100	Lower	Upper
128	35.6	34.0	51.0
54	45.8	42.2	63.2

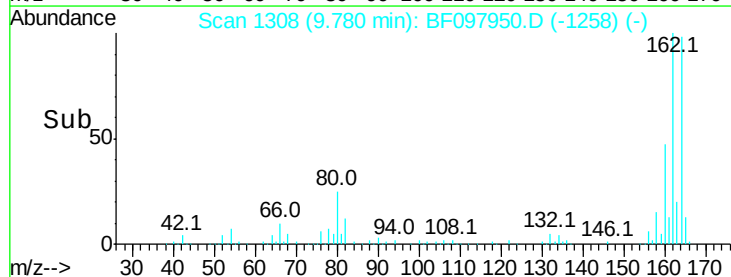
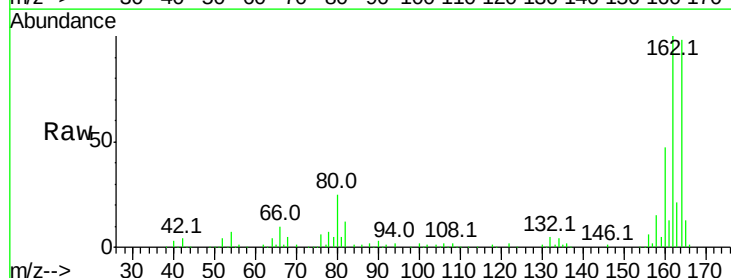
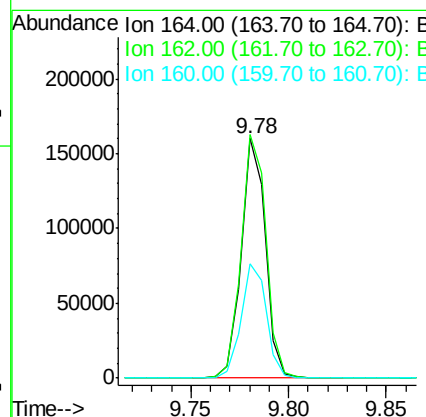
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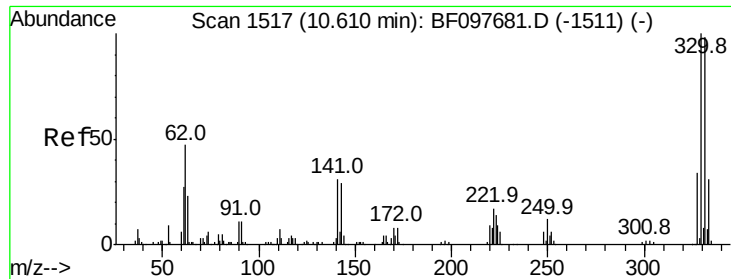
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Tgt Ion	164	Resp:	136979
Ion Ratio	100	Lower	Upper
162	101.7	82.6	123.8
160	47.7	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 15.887 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

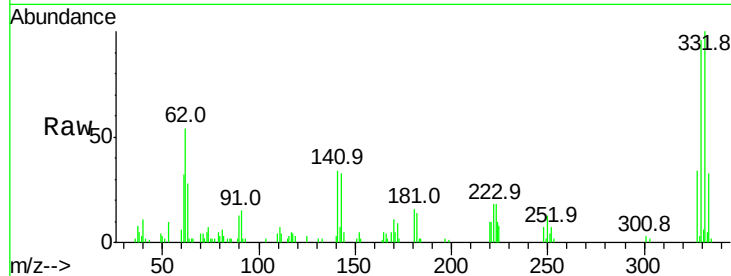
ClientSampleId :

SB-31-COMPDL

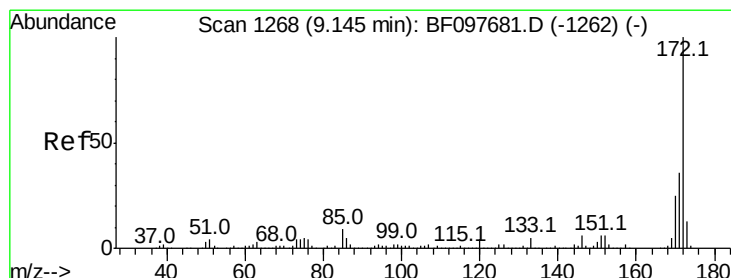
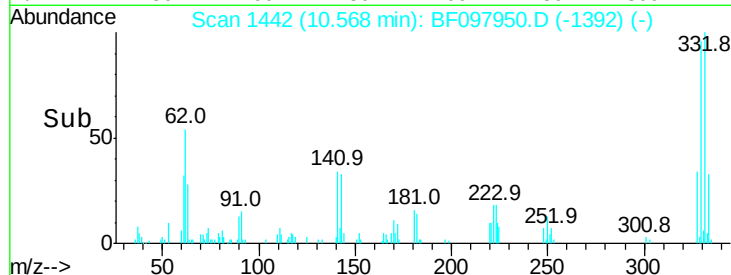
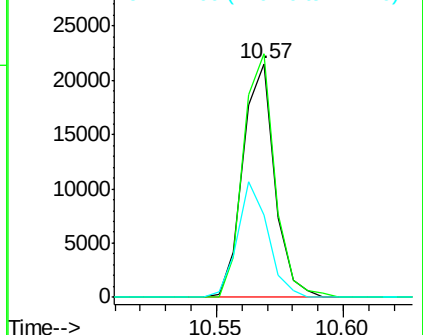
Tot Ion:	330	Resp:	18882
Ion Ratio	Lower	Upper	
330	100		
332	102.9	76.6	115.0
141	47.1	31.4	47.2

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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: 15.604 ng

RT: 9.10 min Scan# 1193

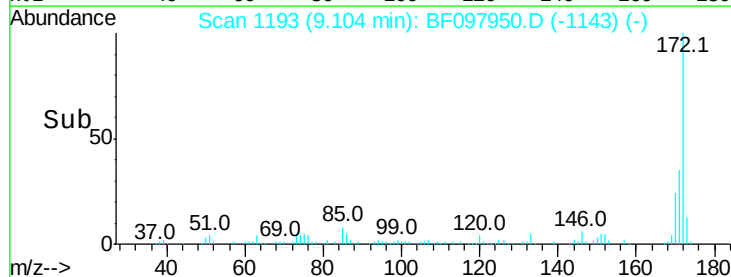
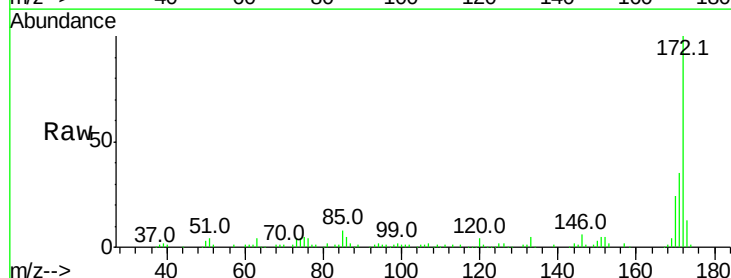
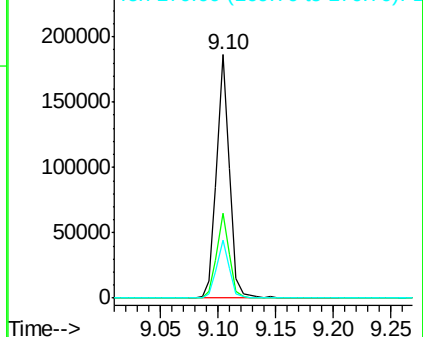
Delta R.T. -0.01 min

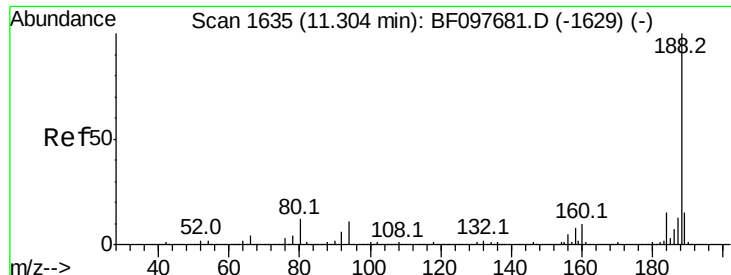
Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Tgt Ion:	172	Resp:	145484
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.6	44.4
170	24.1	19.8	29.8

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





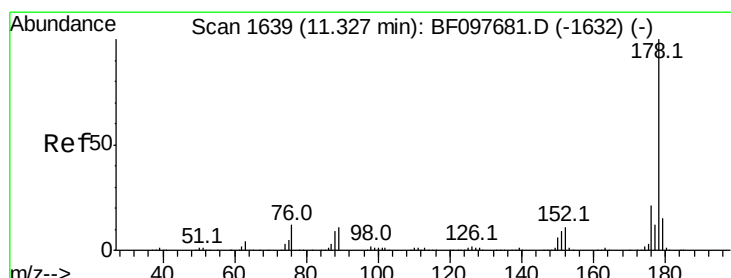
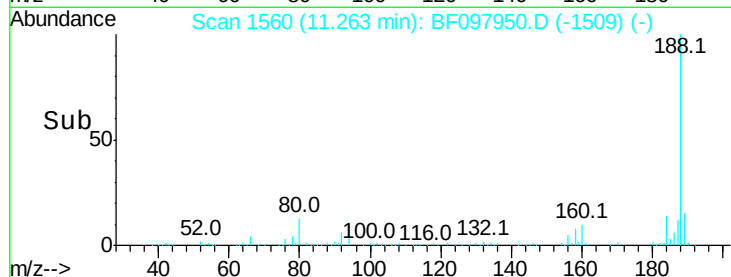
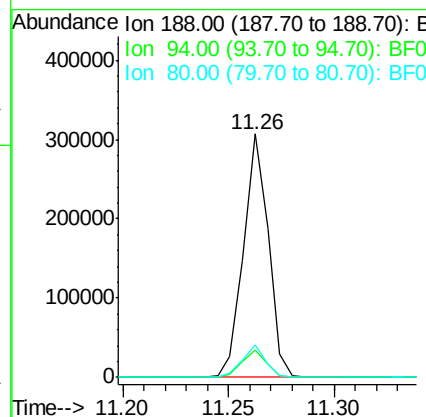
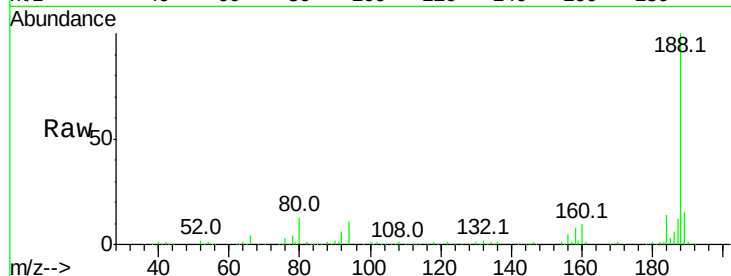
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	248969		
94	11.3		9.4	14.2
80	13.1		10.2	15.2

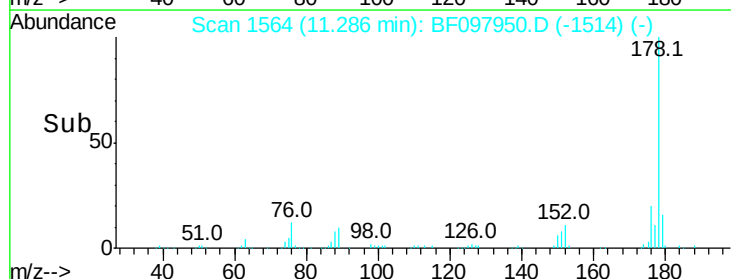
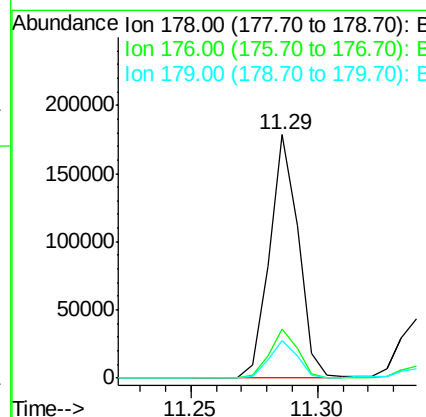
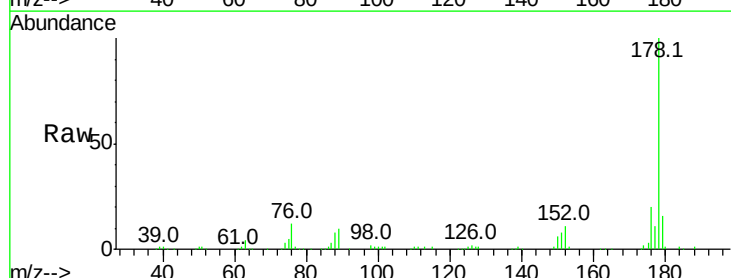
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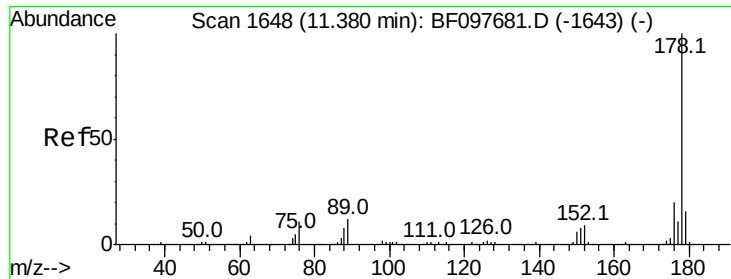
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#70
 Phenanthrene
 Concen: 10.757 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	142709		
176	20.0		16.2	24.4
179	15.6		12.6	19.0





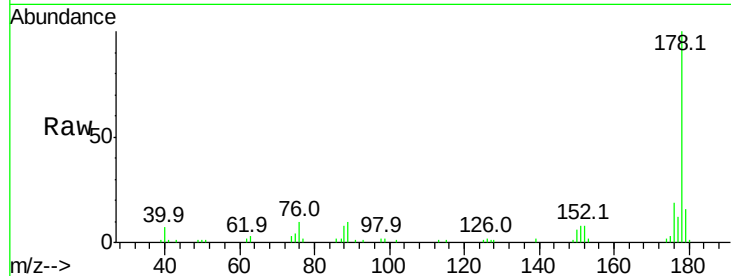
#71
 Anthracene
 Concen: 2.469 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :
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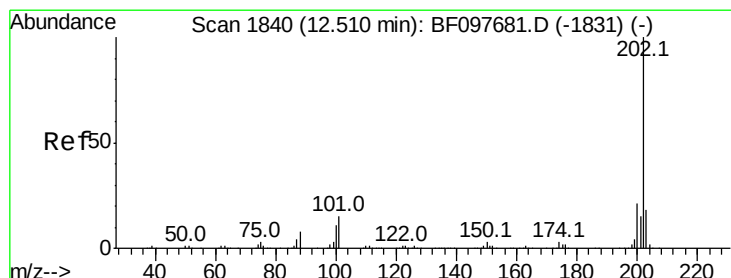
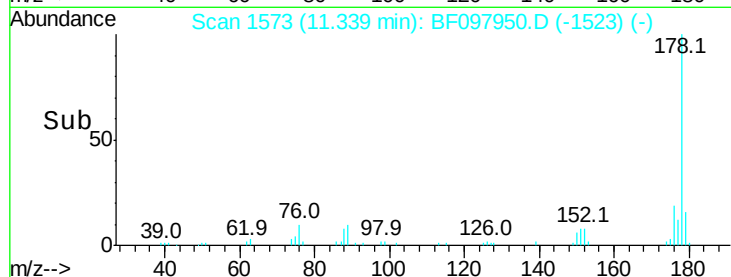
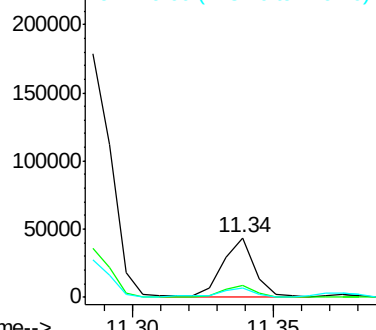
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.2	12.7	19.1

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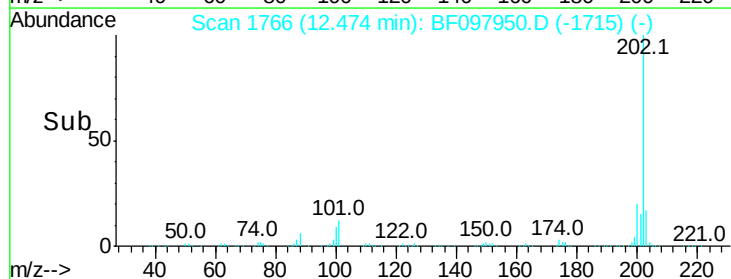
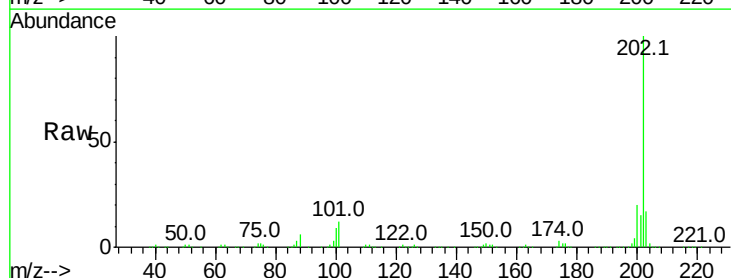
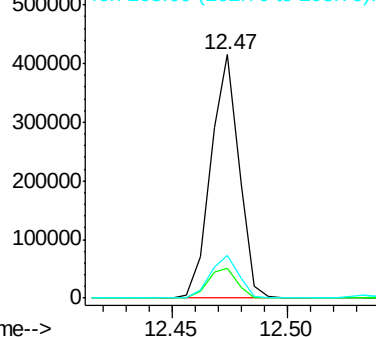
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

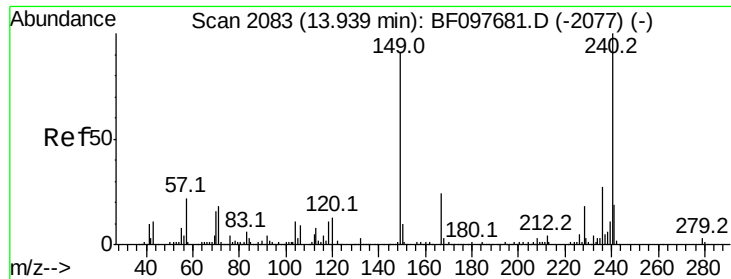


#74
 Fluoranthene
 Concen: 25.494 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.4	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

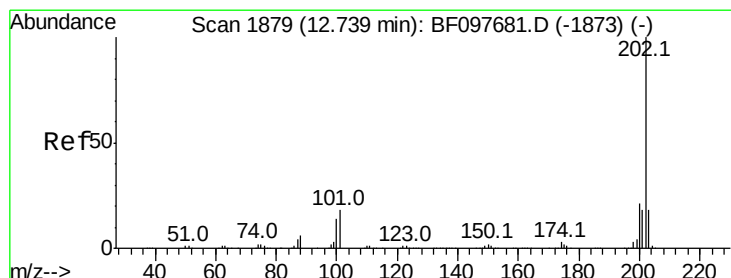
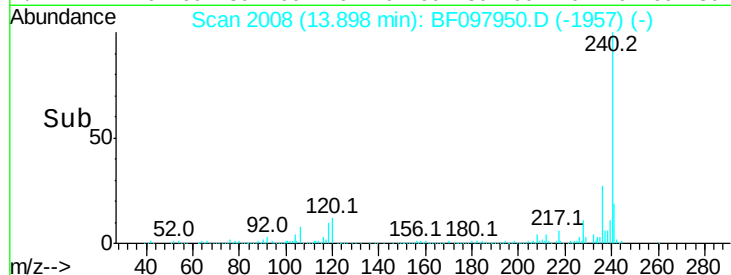
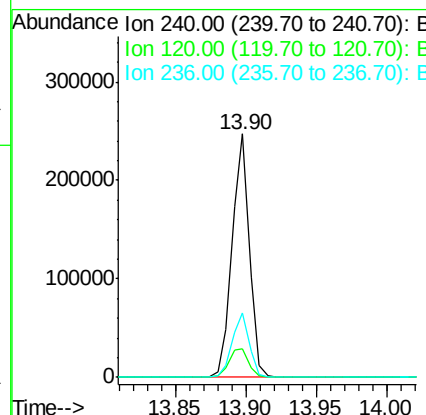
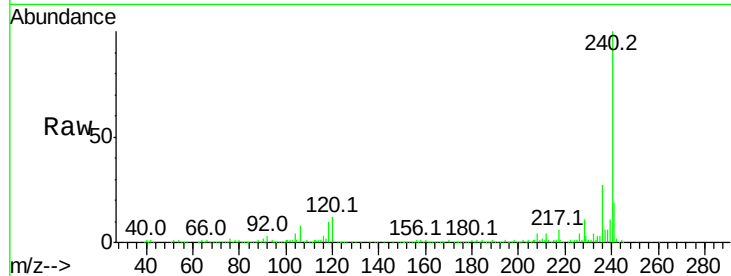
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	5.8	8.8#
236	26.6	20.5	30.7

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#77

Pyrene

Concen: 20.465 ng

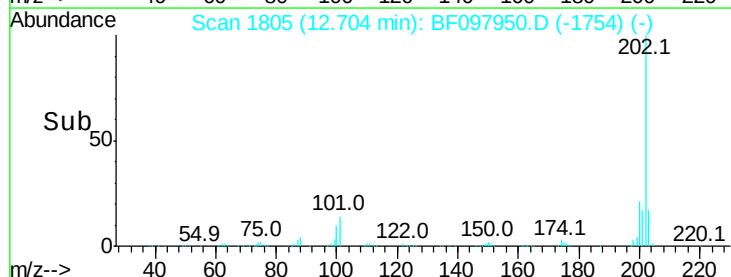
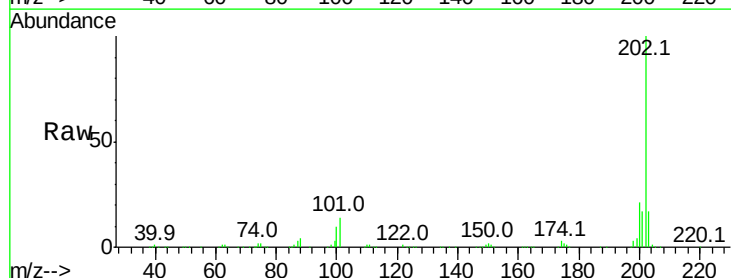
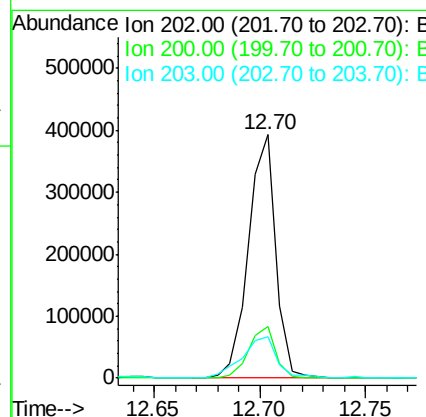
RT: 12.70 min Scan# 1805

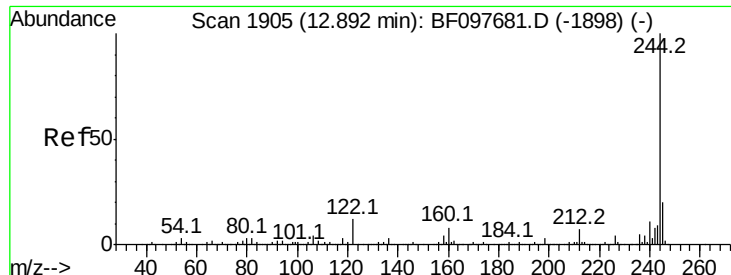
Delta R.T. -0.00 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.2	14.4	21.6





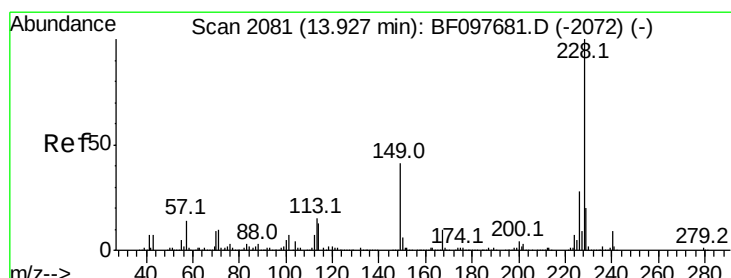
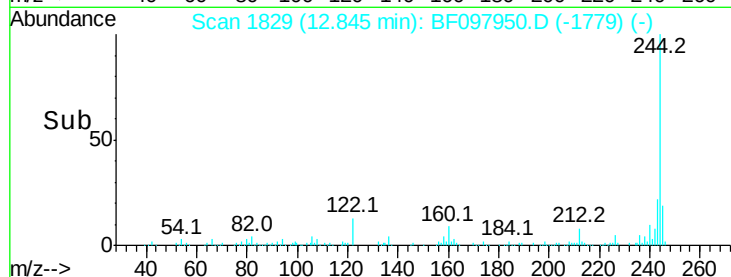
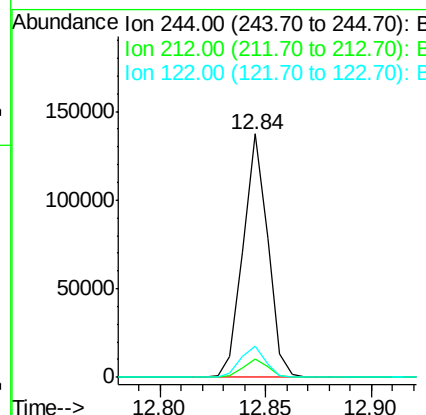
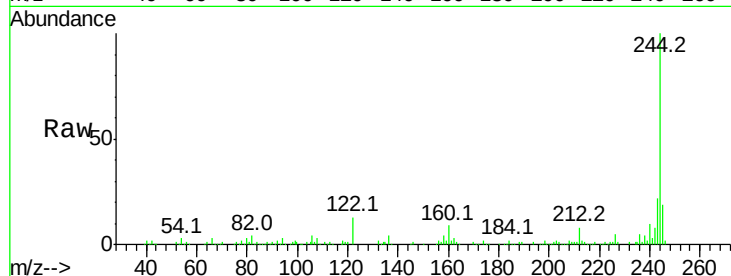
#78
 Terphenyl-d14
 Concen: 10.947 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-31-COMPDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	12.8	10.3	15.5

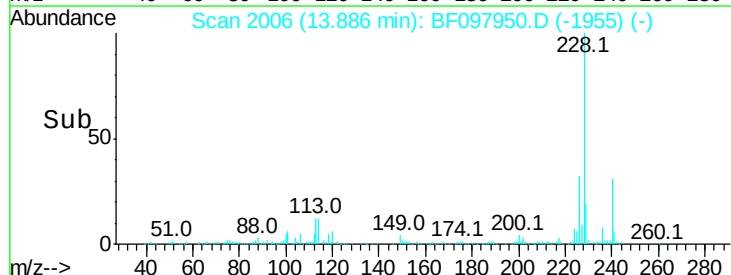
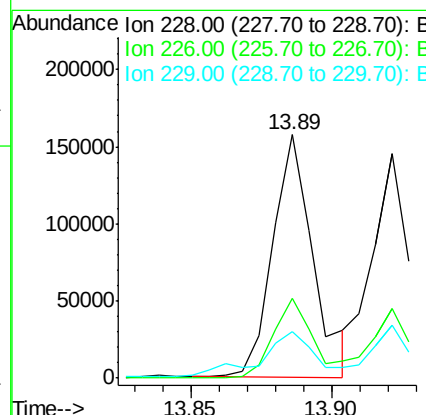
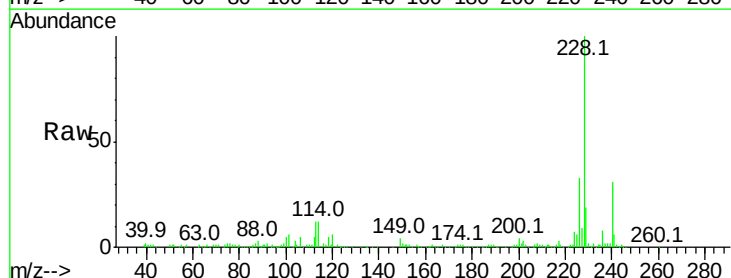
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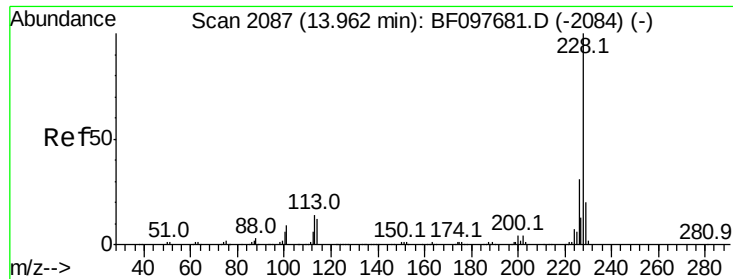
Sohil
 8/22/2017 5:45:42 PM



#80
 Benzo(a)anthracene
 Concen: 12.328 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.6	33.8
229	19.4	16.3	24.5





#82

Chrysene

Concen: 10.214 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

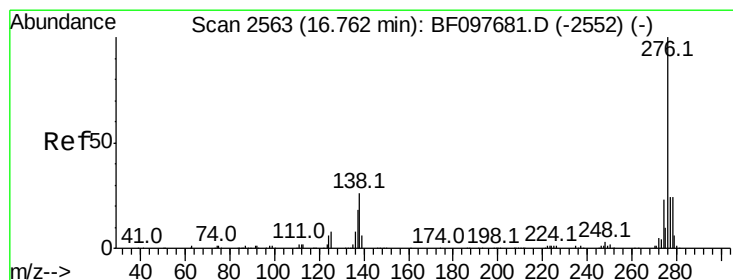
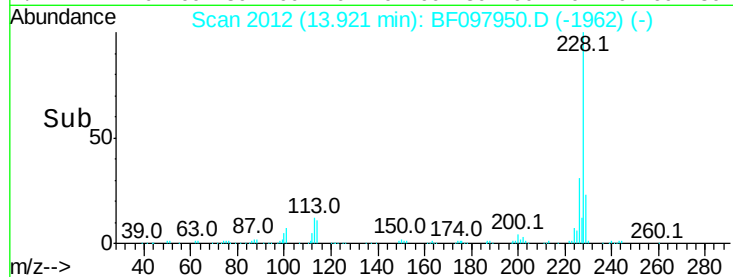
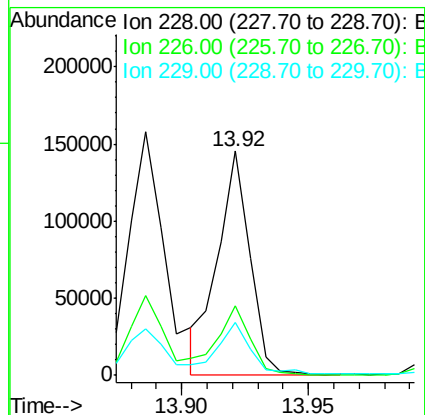
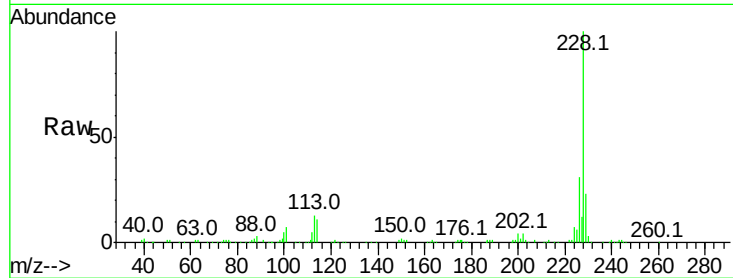
ClientSampleId :

SB-31-COMPDL

Tot Ion:	228	Resp:	128376
Ion Ratio		Lower	Upper
228	100		
226	31.2	24.9	37.3
229	23.4	15.8	23.6

Manual Integrations
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Sohil
8/22/2017 5:45:42 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.333 ng

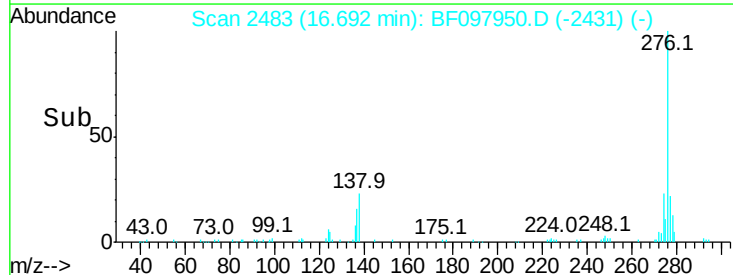
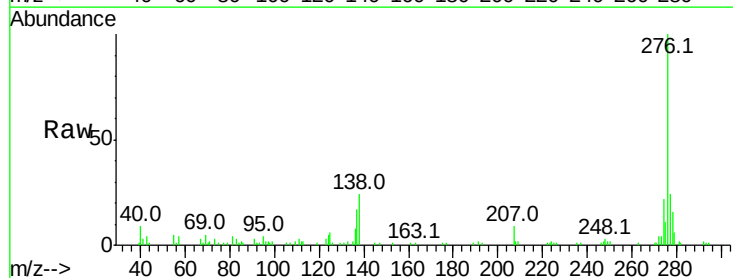
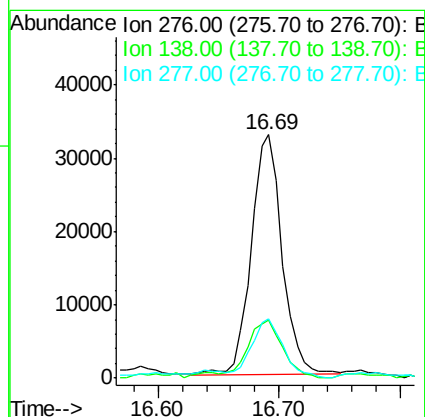
RT: 16.69 min Scan# 2483

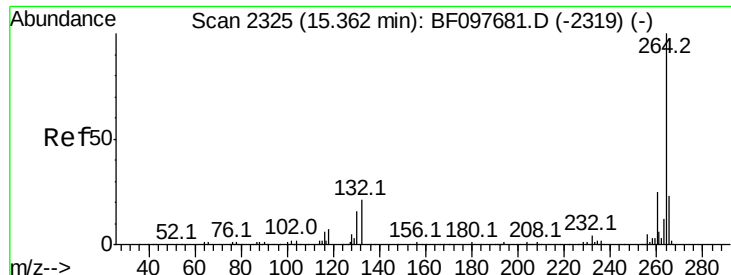
Delta R.T. 0.01 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Tgt Ion:	276	Resp:	58554
Ion Ratio		Lower	Upper
276	100		
138	26.9	27.8	41.6#
277	25.4	20.2	30.4





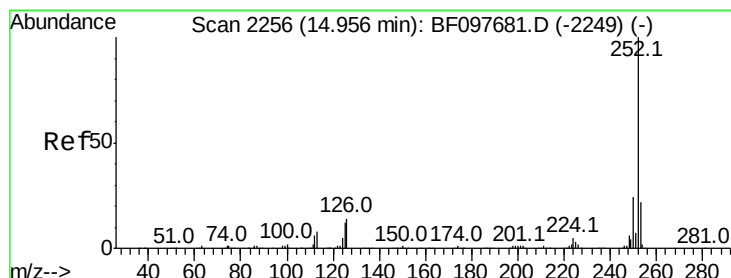
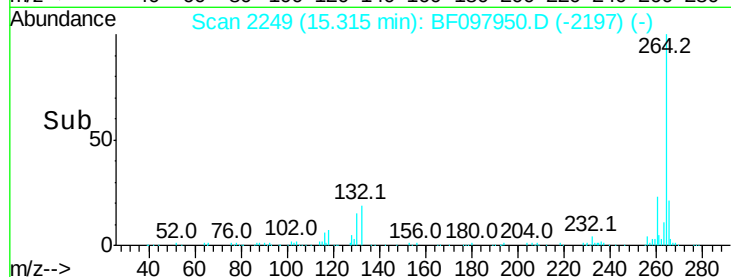
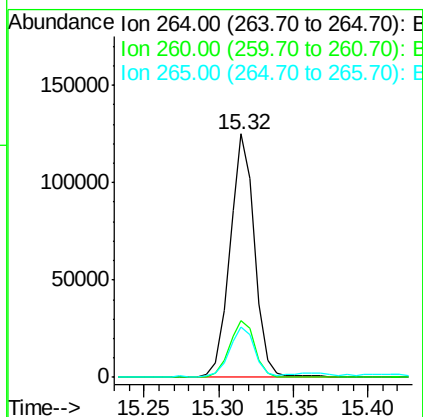
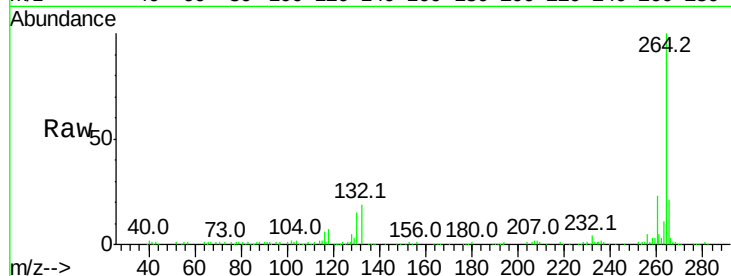
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Instrument :
BNA_F
ClientSampleId :
SB-31-COMPDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	20.7	17.2	25.8

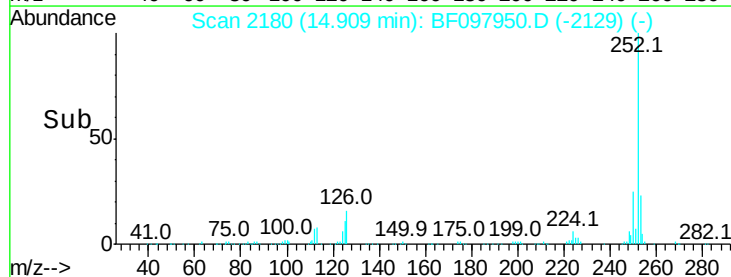
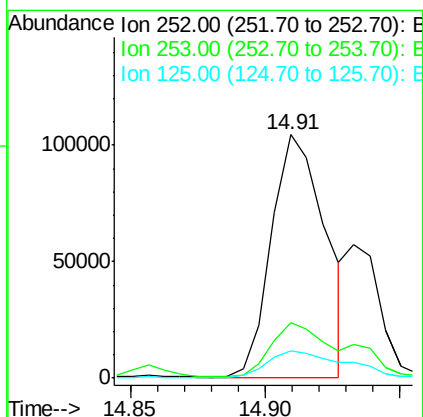
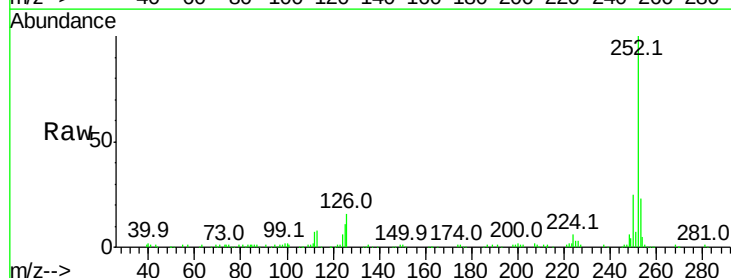
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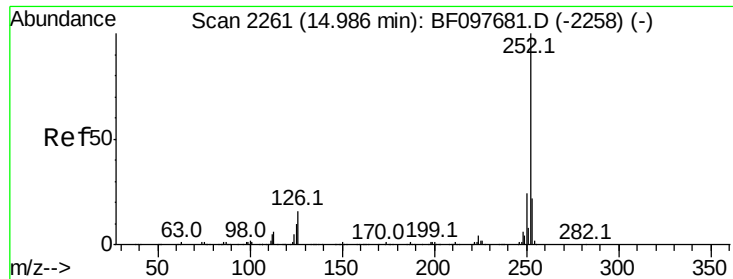
Sohil
8/22/2017 5:45:42 PM



#87
Benzo(b)fluoranthene
Concen: 16.006 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.4	9.8	14.8





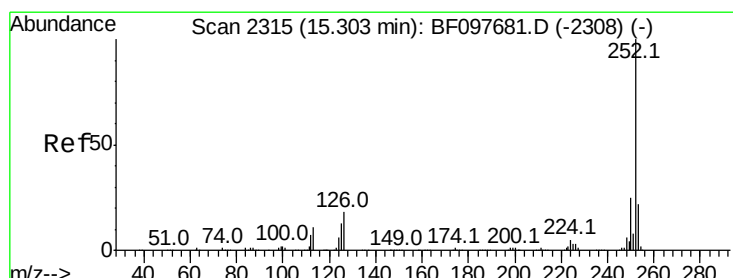
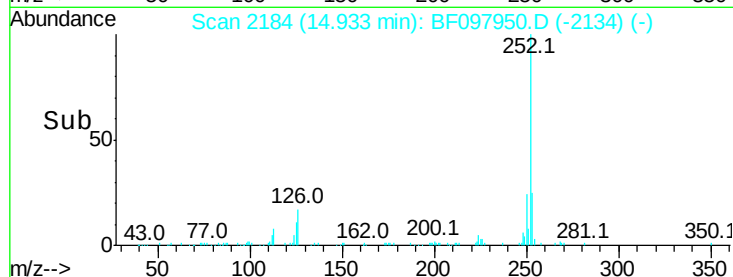
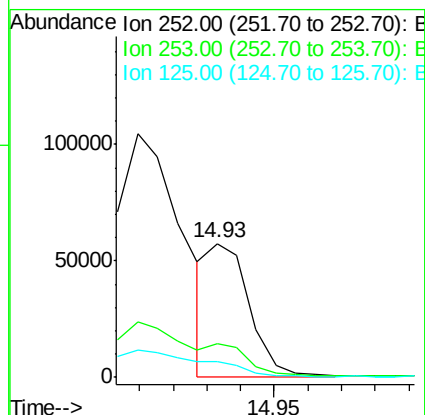
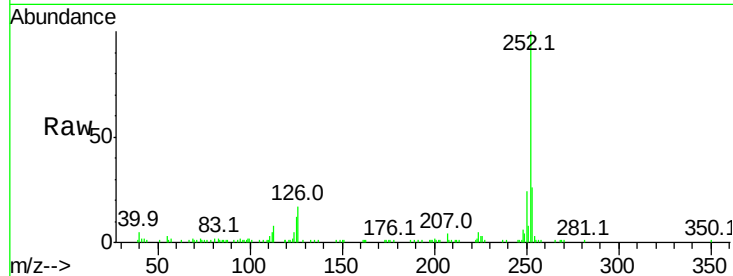
#88
Benzo(k)fluoranthene
Concen: 5.749 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Instrument :
BNA_F
ClientSampleId :
SB-31-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	12.0	13.1	19.7#

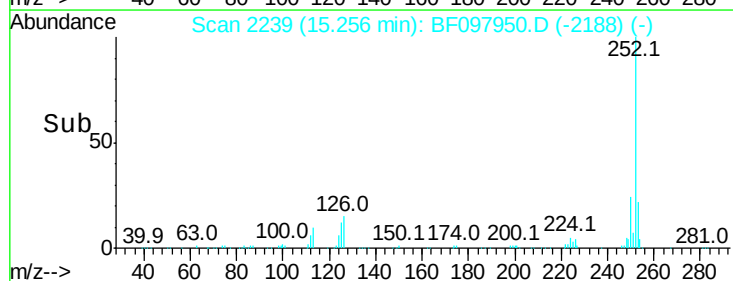
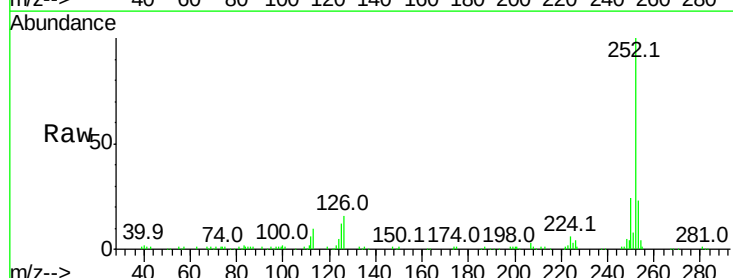
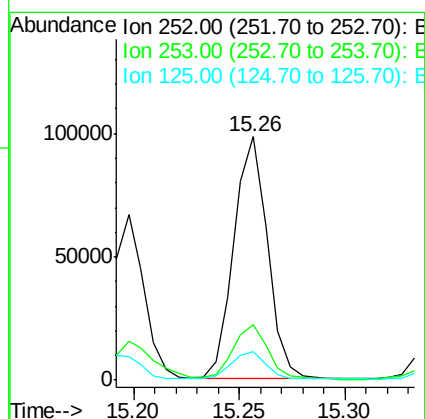
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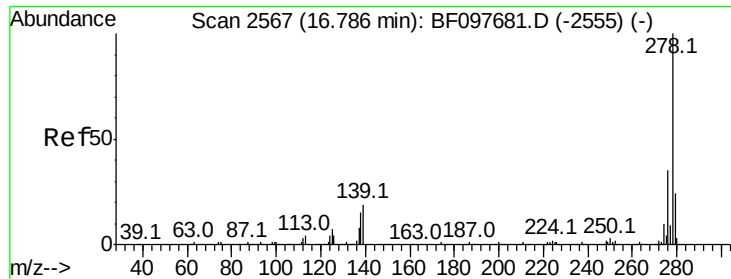
Sohil
8/22/2017 5:45:42 PM



#89
Benzo(a)pyrene
Concen: 13.440 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	11.8	11.0	16.4





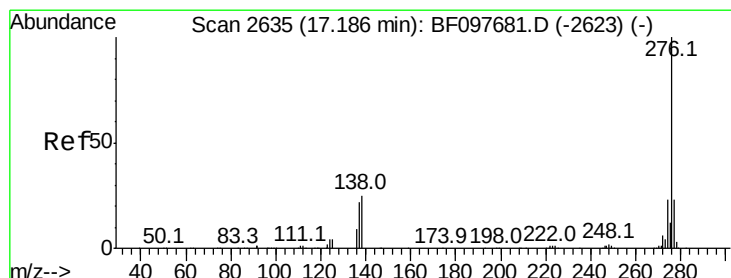
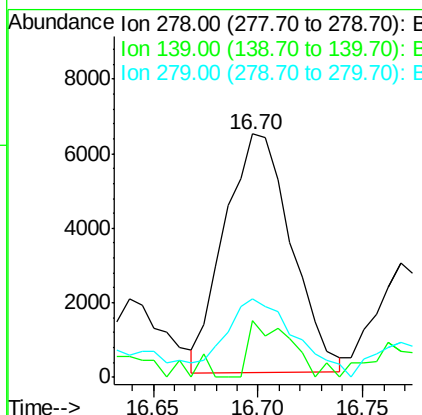
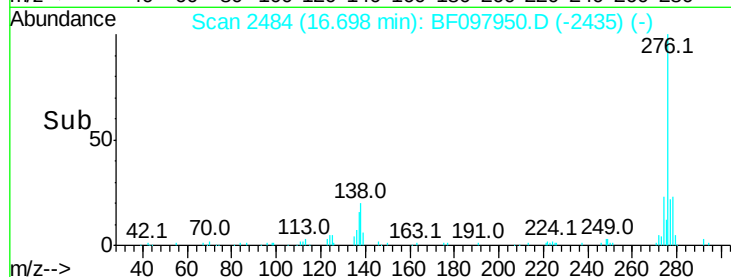
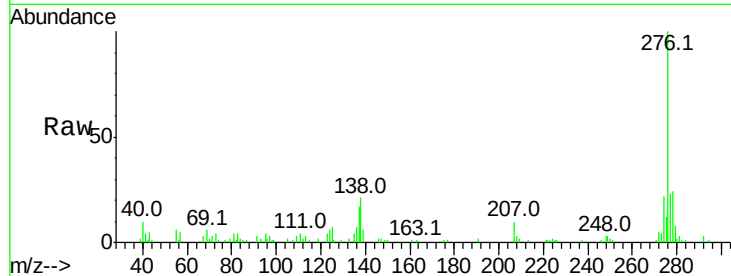
#90
Dibenzo(a,h)anthracene
Concen: 2.150 ng/mL
RT: 16.70 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Instrument :
BNA_F
ClientSampleId :
SB-31-COMPDL

Tot Ion:	278	Resp:	14126
Ion Ratio	Lower	Upper	
278	100		
139	23.1	16.6	24.8
279	32.3	19.3	28.9

Manual Integrations
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8/22/2017 5:45:42 PM



#91
Benzo(g,h,i)perylene
Concen: 8.625 ng/mL
RT: 17.10 min Scan# 2553
Delta R.T. -0.01 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Tgt Ion:	276	Resp:	59136
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.6	28.0
138	22.7	25.4	38.0

