

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097905.D
 Acq On : 21 Aug 2017 14:35
 Operator : SJ/JU
 Sample : I4879-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6706-AA-081717

Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:43:51 PM

Quant Time: Aug 22 11:01:33 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	120948	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	454735	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	179880	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	289518	20.00	ng	0.00
75) Chrysene-d12	13.89	240	261385	20.00	ng	0.00
86) Perylene-d12	15.32	264	206398	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	181688	22.85	ng	0.00
7) Phenol-d6	6.37	99	245569	22.73	ng	-0.02
23) Nitrobenzene-d5	7.30	82	143455	17.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	29522	18.92	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	224062	18.30	ng	0.00
78) Terphenyl-d14	12.84	244	149327	11.91	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	38318	2.914	ng	Qvalue 100
70) Phenanthrene	11.29	178	45466	2.947	ng	98
74) Fluoranthene	12.47	202	121354	7.536	ng	99
77) Pyrene	12.70	202	128007	5.988	ng	96
80) Benzo(a)anthracene	13.88	228	63621m	4.061	ng	
82) Chrysene	13.92	228	55951m	3.590	ng	
85) Indeno(1,2,3-cd)pyrene	16.69	276	25369	2.213	ng	# 89
87) Benzo(b)fluoranthene	14.91	252	66655m	5.123	ng	
88) Benzo(k)fluoranthene	14.93	252	29236m	2.392	ng	
89) Benzo(a)pyrene	15.25	252	51835	4.501	ng	# 91
91) Benzo(g,h,i)perylene	17.10	276	24181	2.472	ng	# 93

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

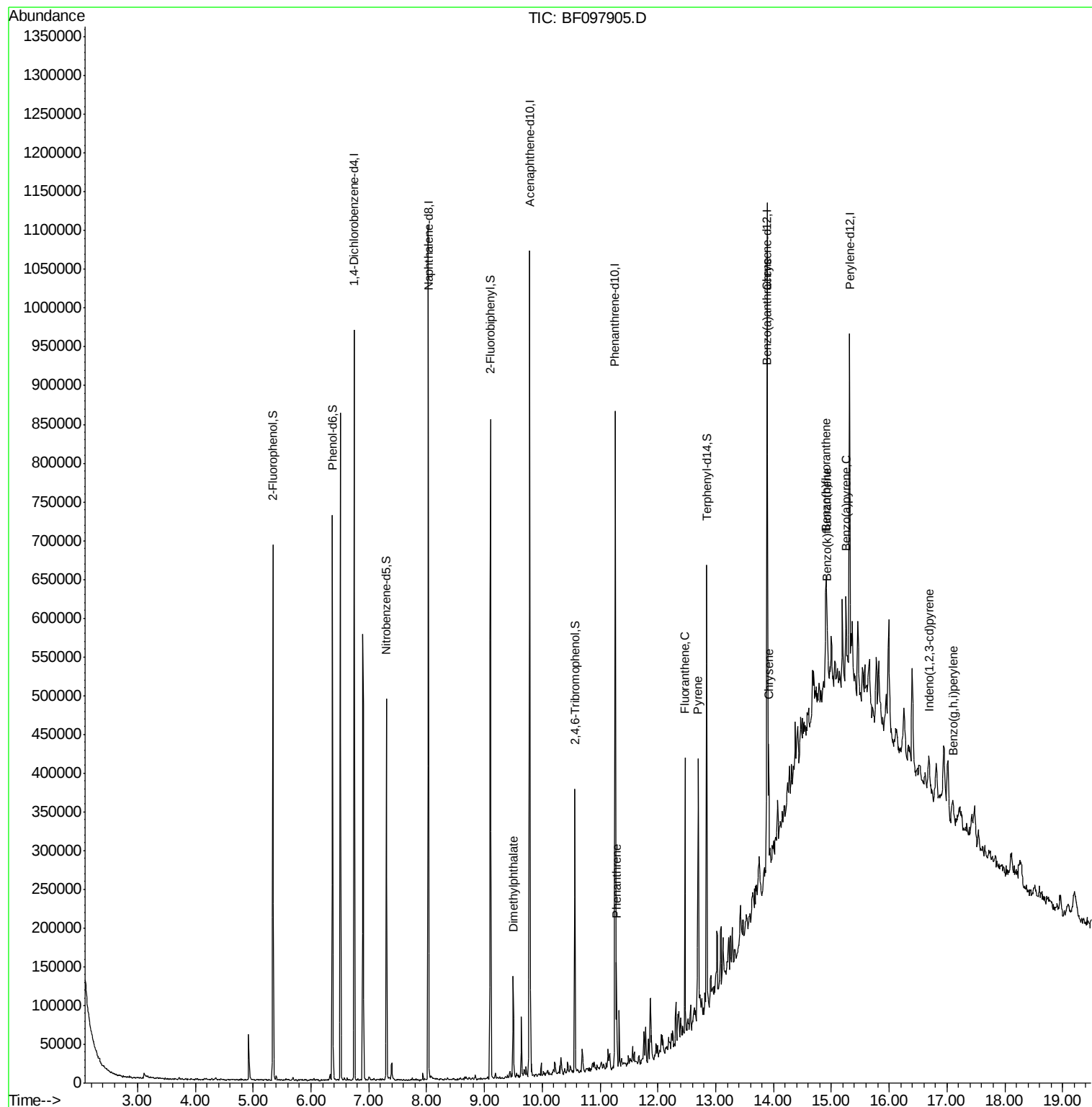
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
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Operator : SJ/JU
Sample : I4879-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

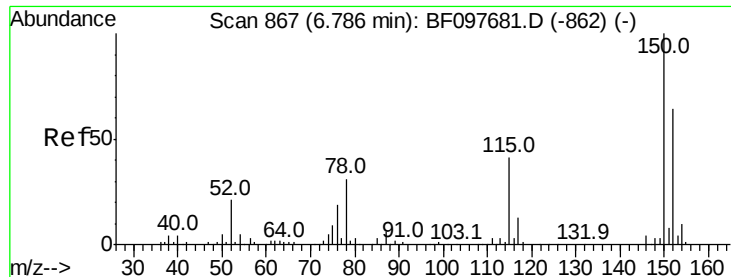
Instrument :
BNA_F
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6706-AA-081717

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#1

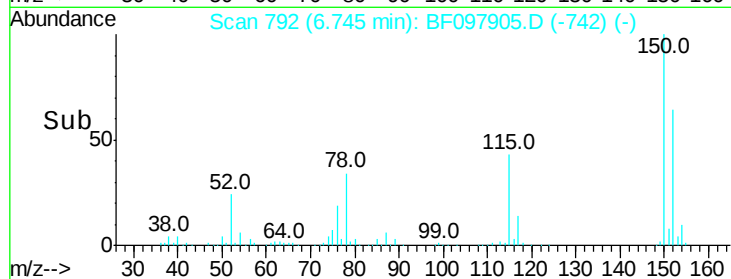
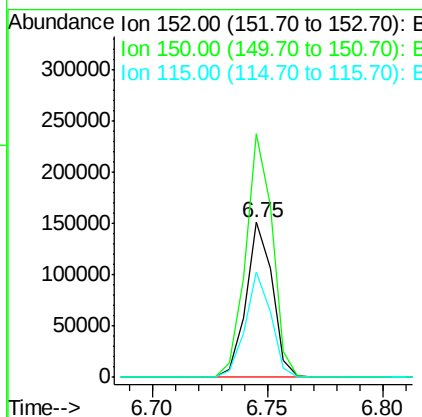
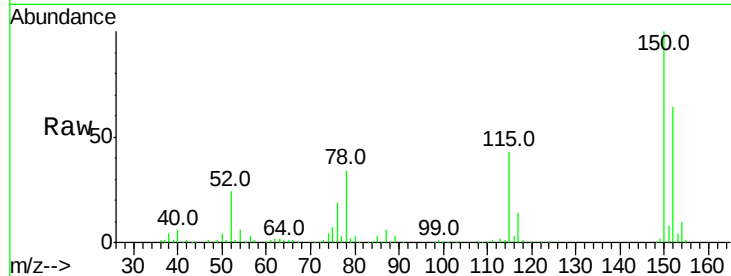
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Instrument :
BNA_F
ClientSampleId :
6706-AA-081717

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	68.0	52.2	78.2

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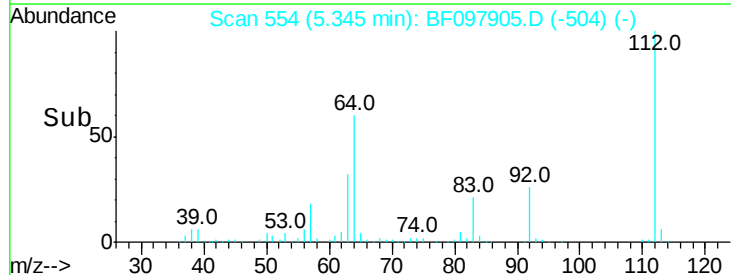
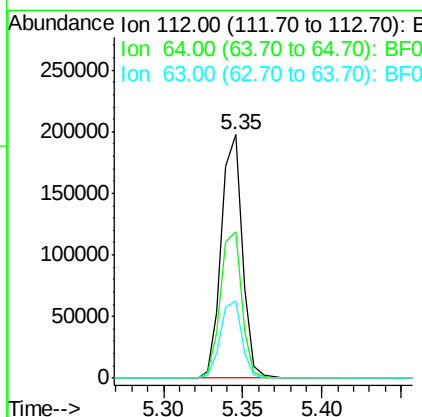
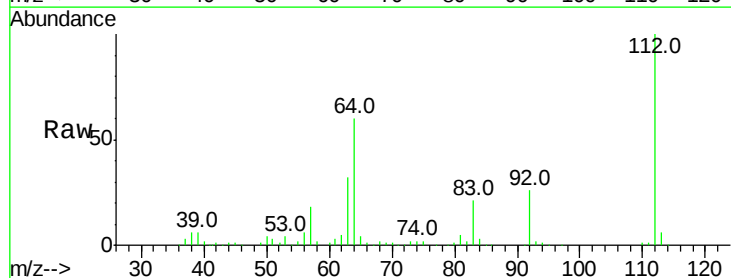
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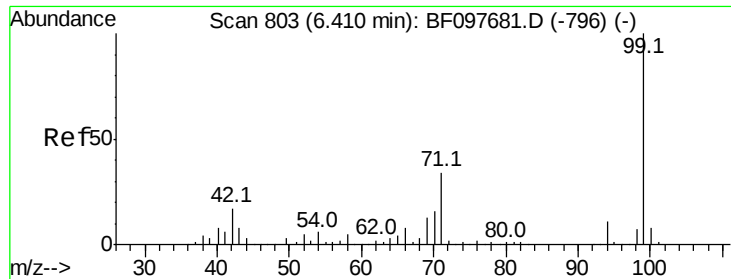


#5

2-Fluorophenol
Concen: 22.850 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	46.0	69.0
63	31.6	23.4	35.0





#7

Phenol-d6

Concen: 22.730 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

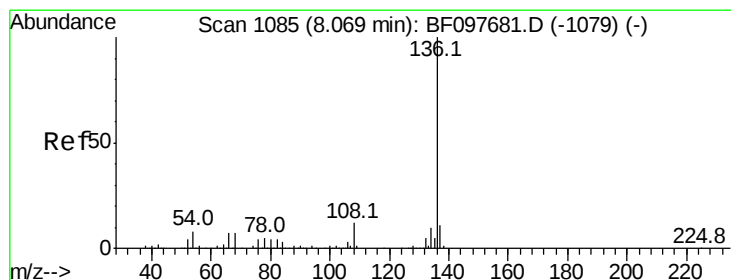
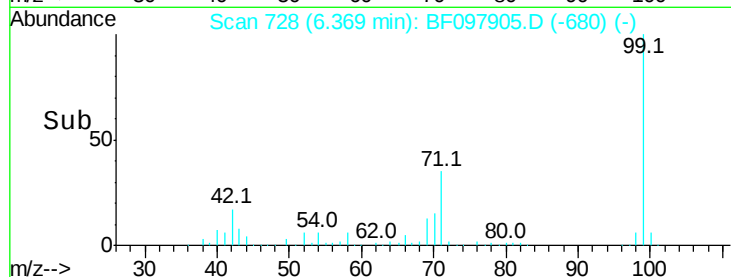
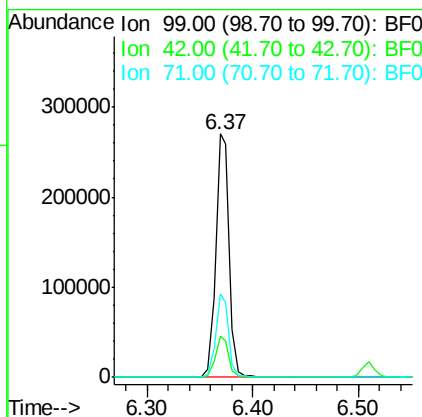
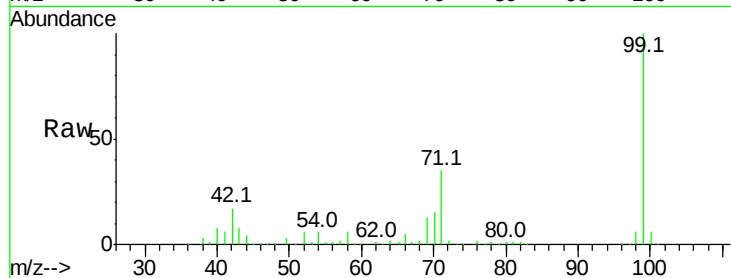
ClientSampled :

6706-AA-081717

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		245569		
42	17.1	13.5	20.3		
71	34.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

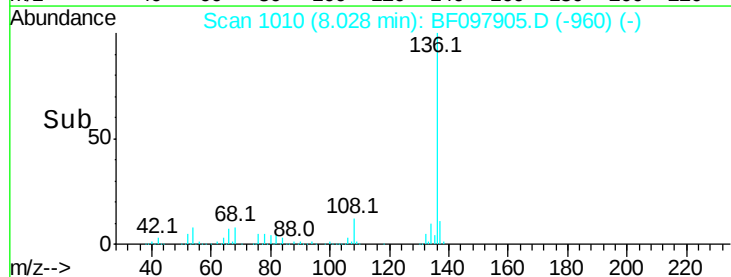
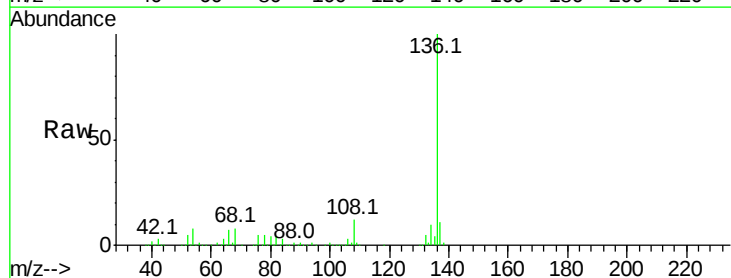
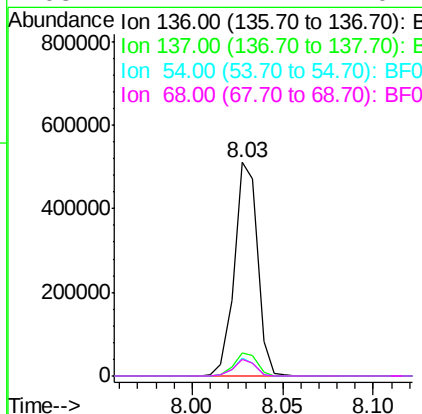
RT: 8.03 min Scan# 1010

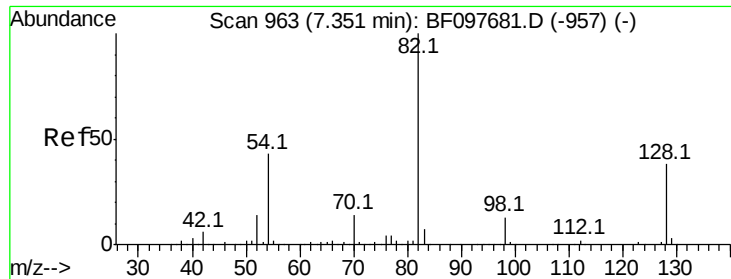
Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		454735		
137	10.6	8.5	12.7		
54	8.2	4.9	7.3#		
68	7.7	4.1	6.1#		





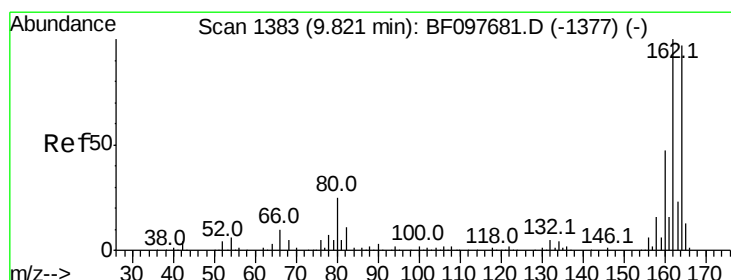
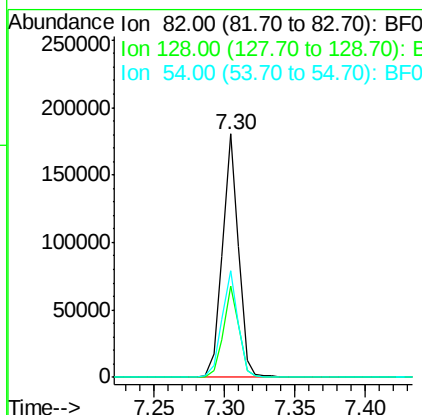
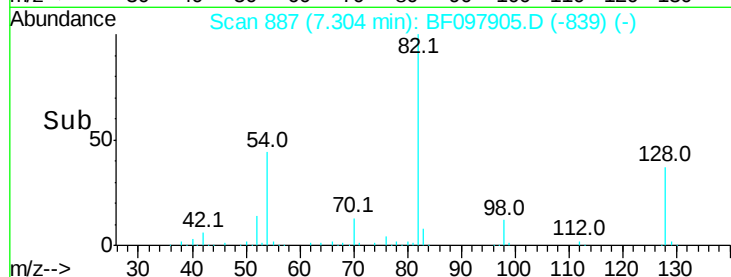
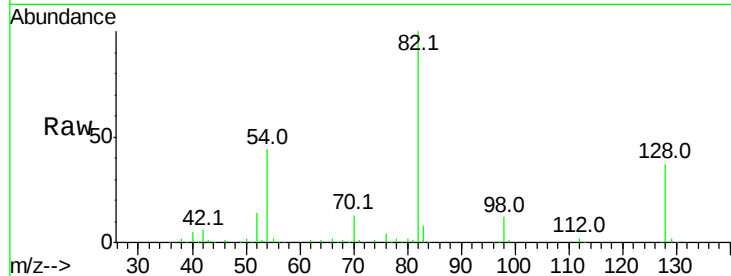
#23
 Nitrobenzene-d5
 Concen: 17.138 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :
 6706-AA-081717

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.3	34.0	51.0	
54	43.6	42.2	63.2	

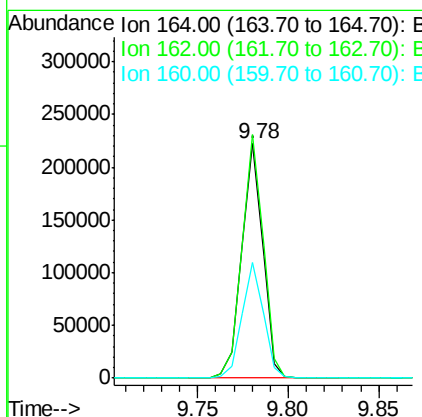
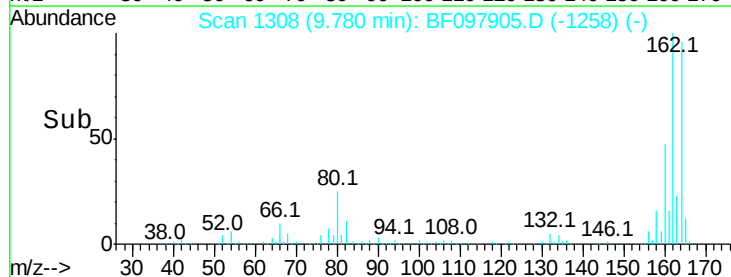
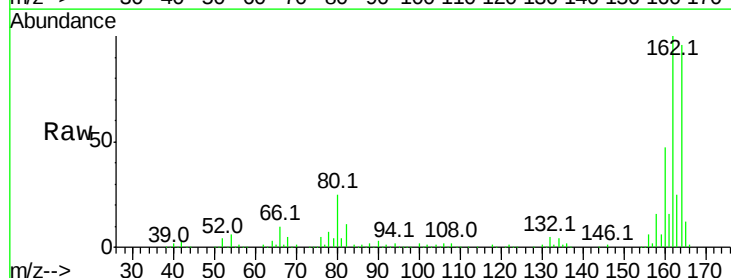
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	82.6	123.8	
160	49.2	36.2	54.2	





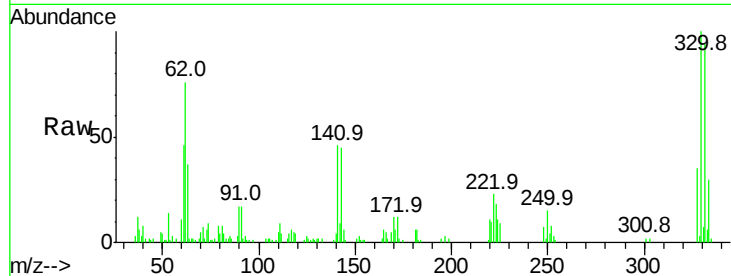
#41
 2,4,6-Tribromophenol
 Concen: 18.915 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :
 6706-AA-081717

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.6	115.0	
141	47.4	31.4	47.2#	

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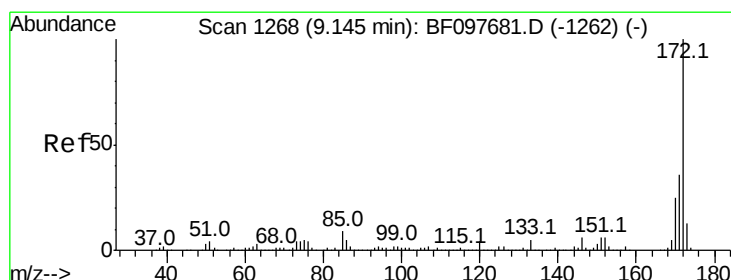
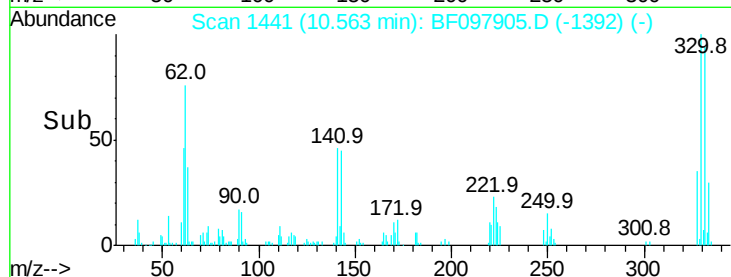
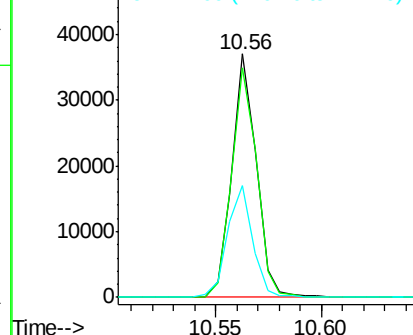


Abundance

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: 18.301 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

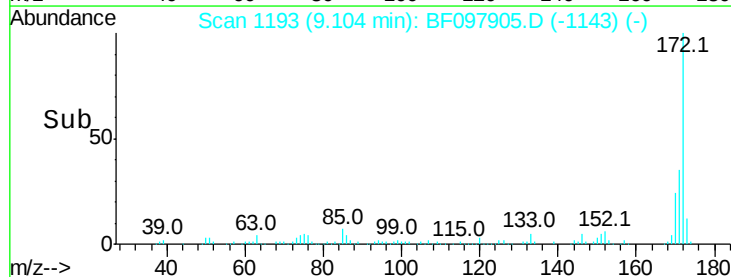
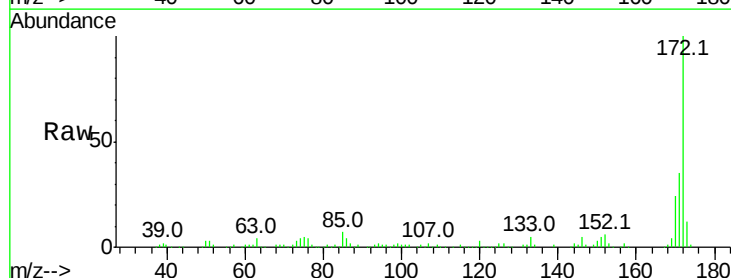
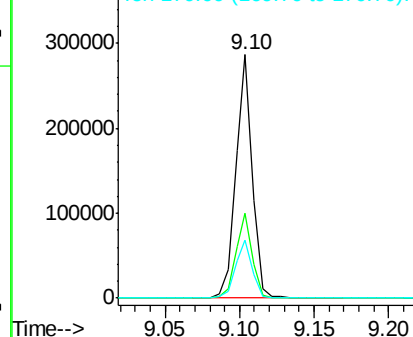
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.6	44.4	
170	23.7	19.8	29.8	

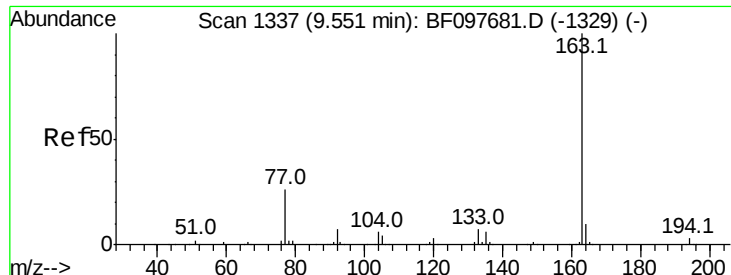
Abundance

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





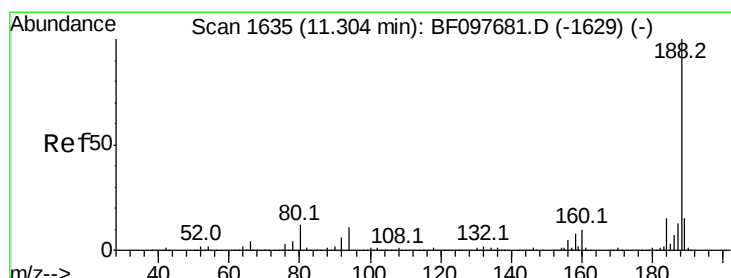
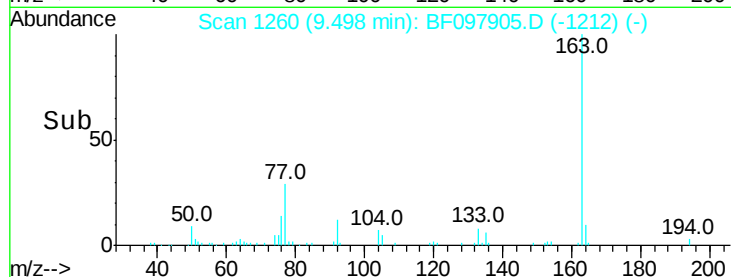
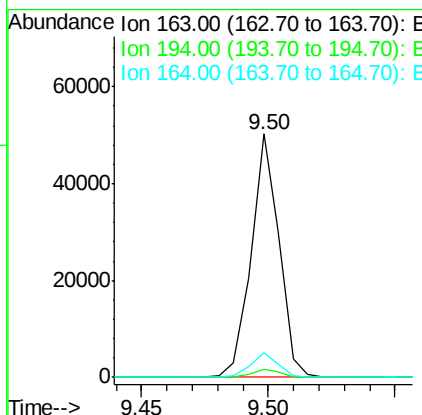
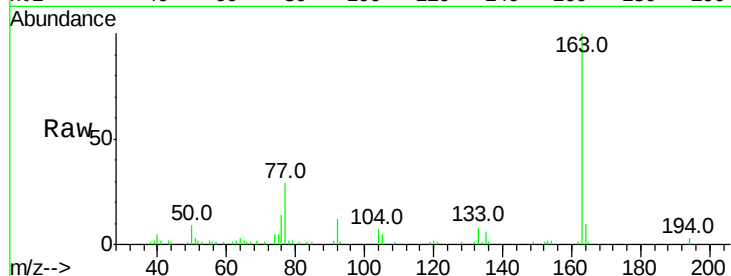
#49
Dimethylphthalate
Concen: 2.914 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Instrument :
BNA_F
ClientSampleId :
6706-AA-081717

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	10.3	8.4	12.6	

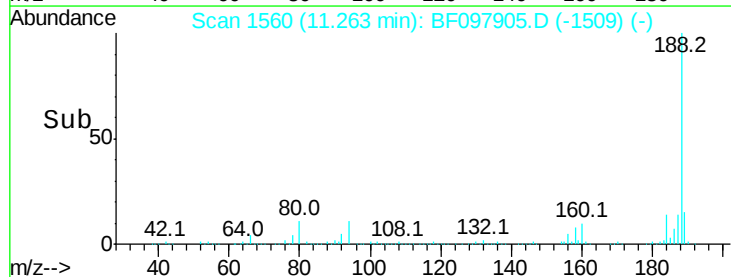
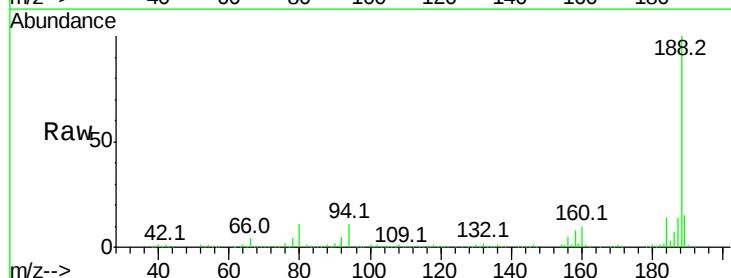
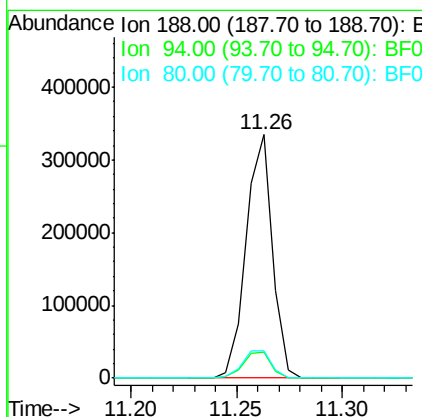
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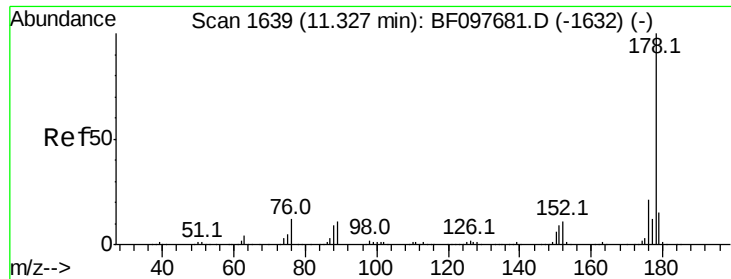
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.6	9.4	14.2	
80	11.0	10.2	15.2	





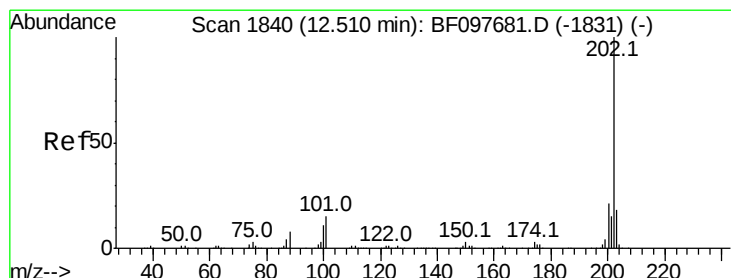
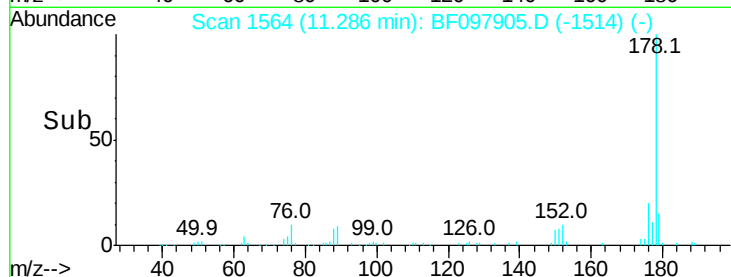
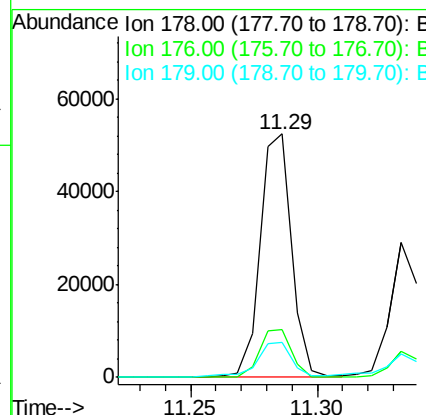
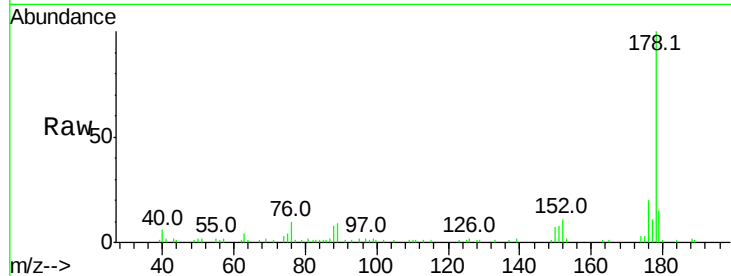
#70
Phenanthrene
Concen: 2.947 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Instrument :
BNA_F
ClientSampleId :
6706-AA-081717

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	14.6	12.6	19.0

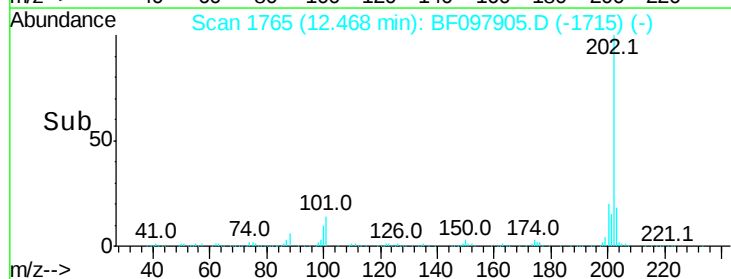
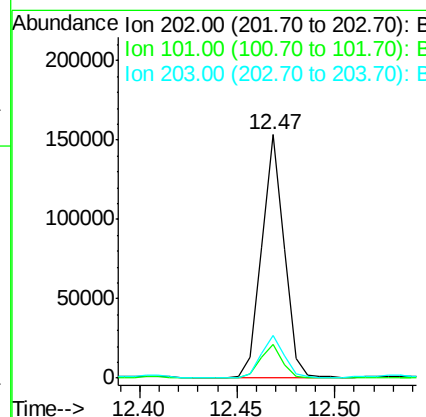
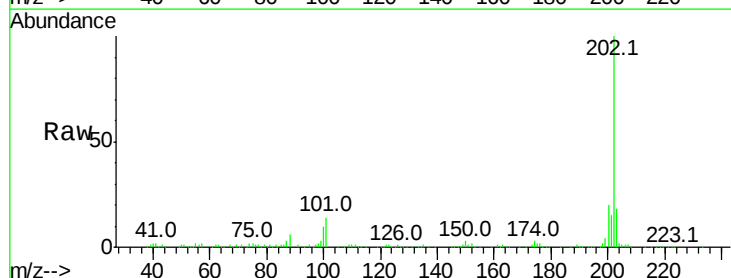
Manual Integrations
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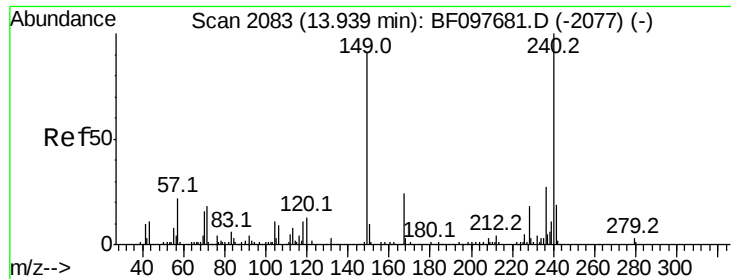
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#74
Fluoranthene
Concen: 7.536 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

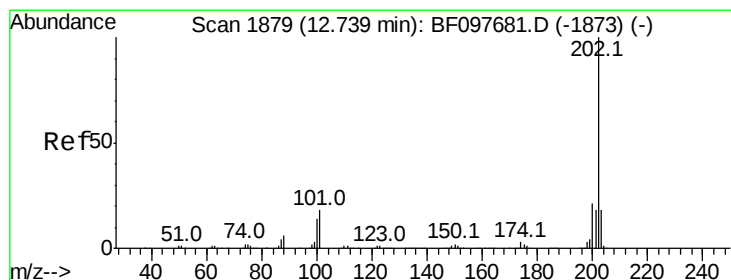
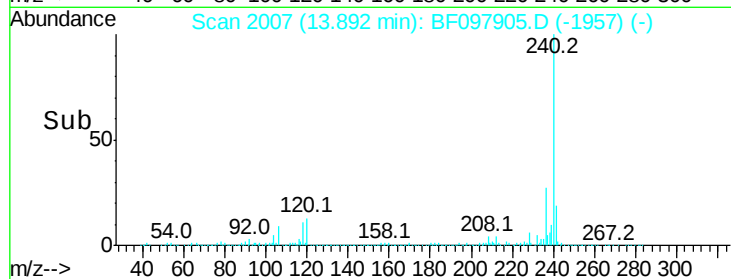
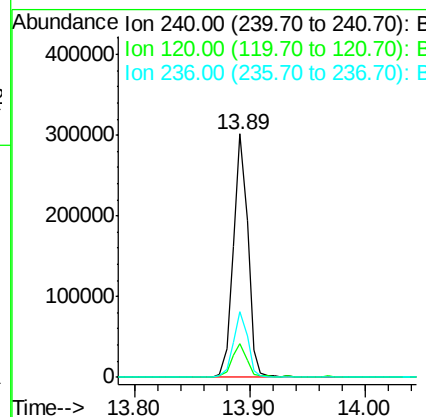
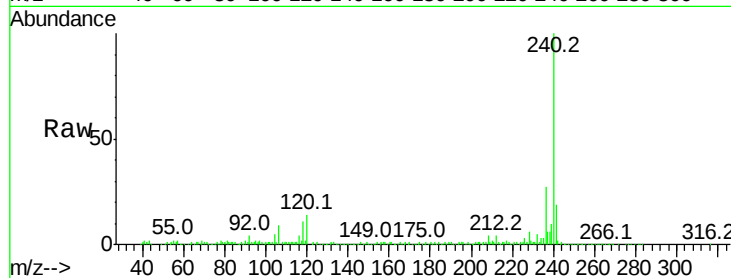
ClientSampleId :

6706-AA-081717

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	5.8	8.8#
236	26.9	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 5.988 ng

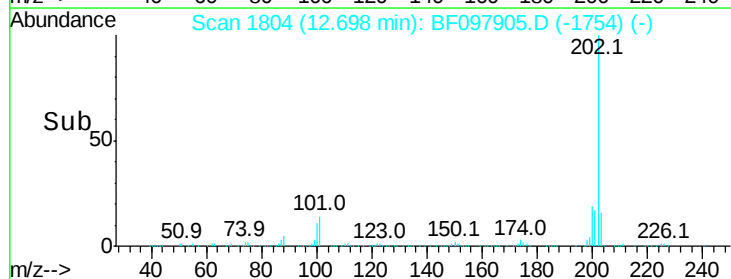
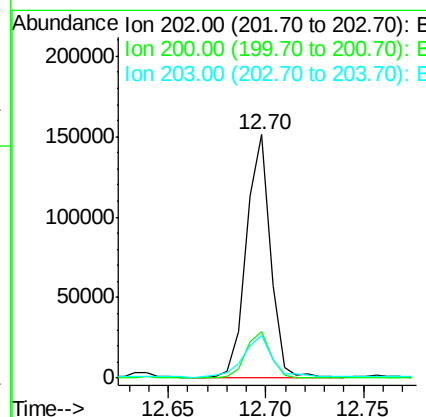
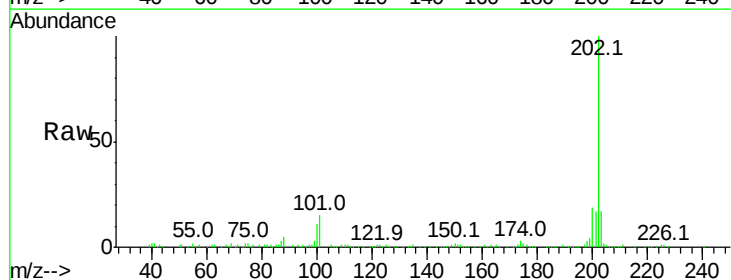
RT: 12.70 min Scan# 1804

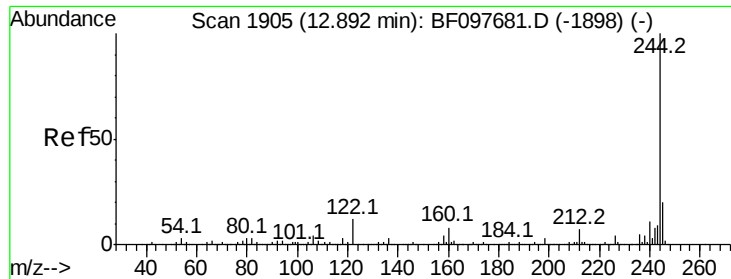
Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.0	17.6	26.4
203	17.5	14.4	21.6





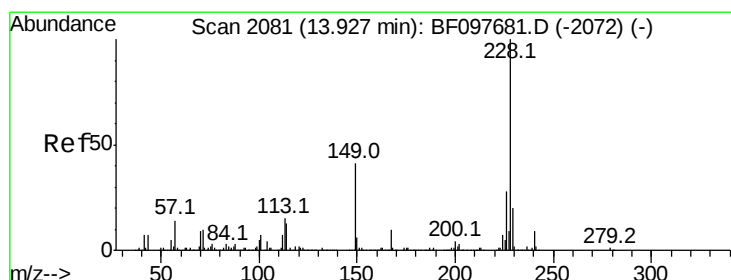
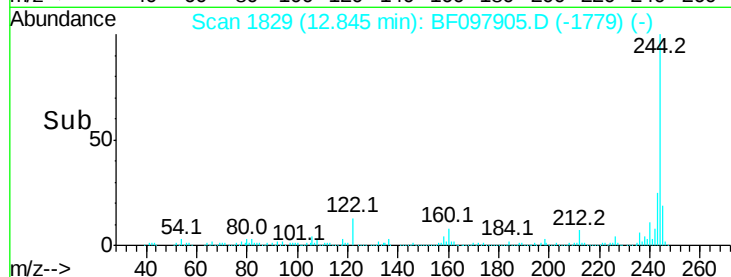
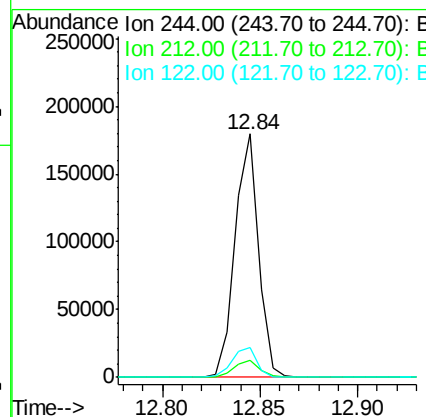
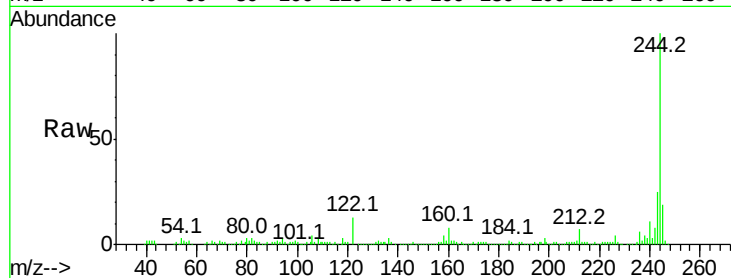
#78
 Terphenyl-d14
 Concen: 11.913 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :
 6706-AA-081717

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.5	10.3	15.5

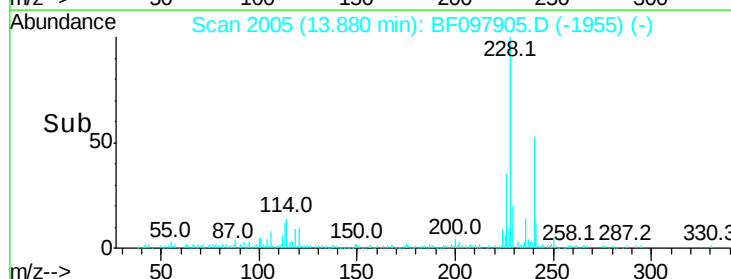
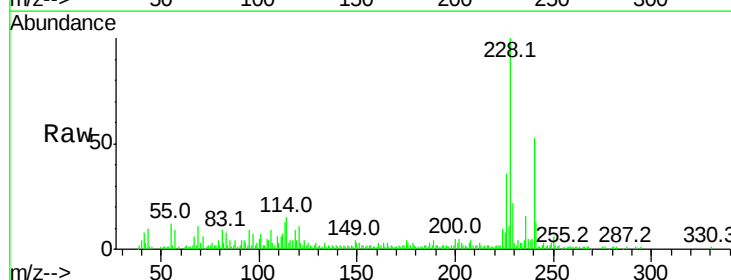
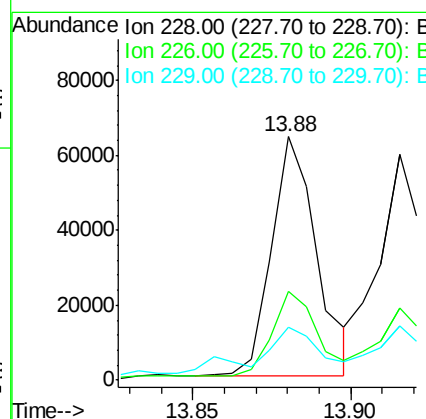
Manual Integrations
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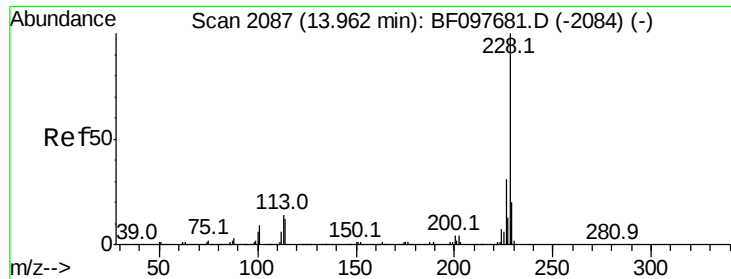
Sohil
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#80
 Benzo(a)anthracene
 Concen: 4.061 ng m
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.4	22.6	33.8#
229	21.7	16.3	24.5





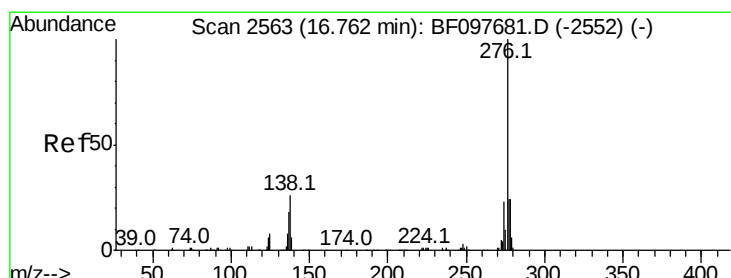
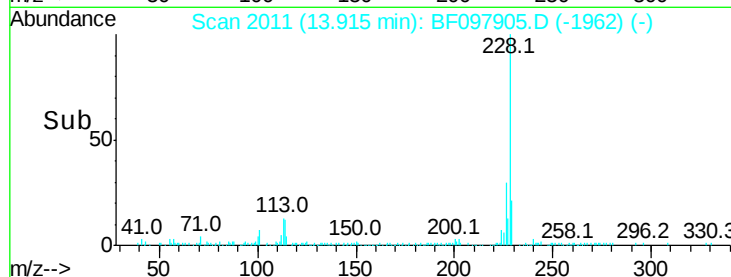
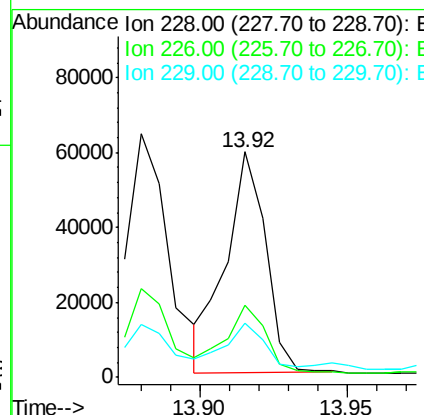
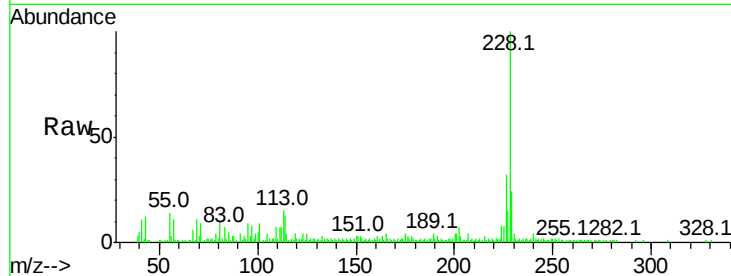
#82
Chrysene
Concen: 3.590 ng/ml
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Instrument :
BNA_F
ClientSampleId :
6706-AA-081717

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	24.3	15.8	23.6

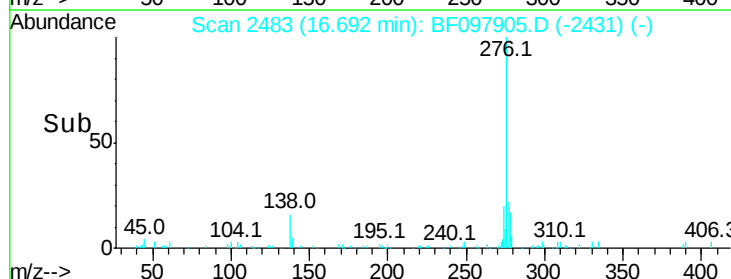
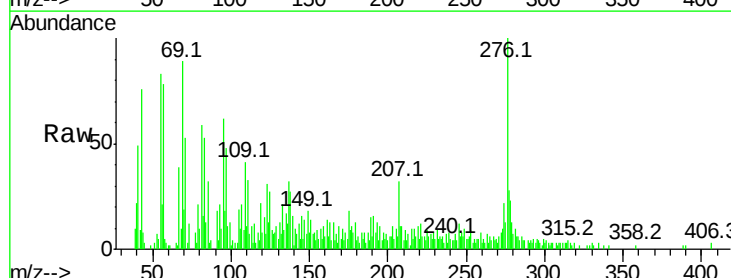
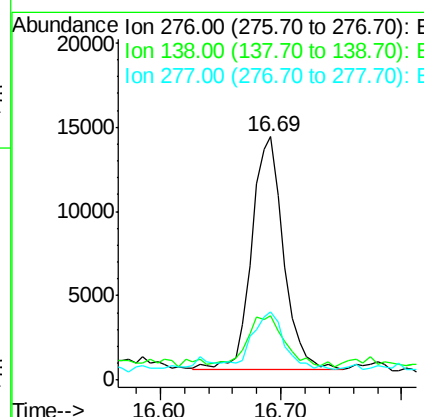
Manual Integrations
APPROVED

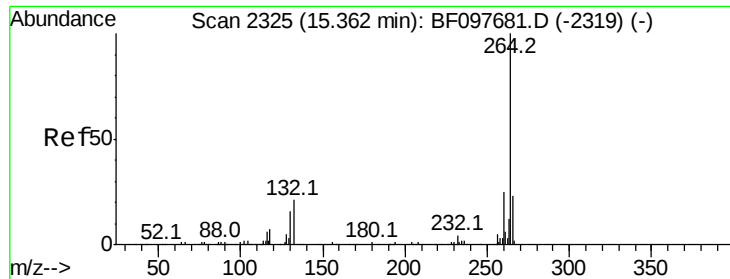
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.213 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	27.8	41.6
277	23.8	20.2	30.4





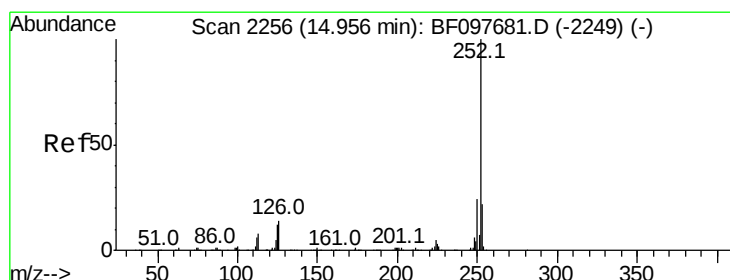
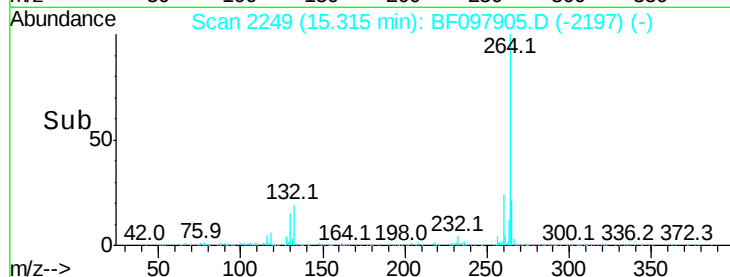
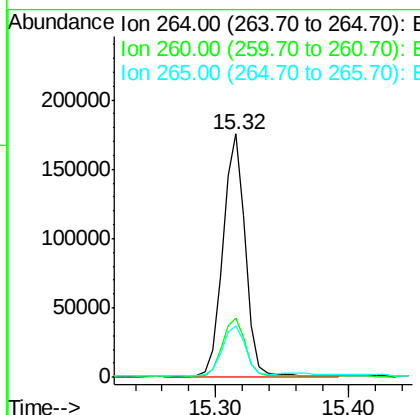
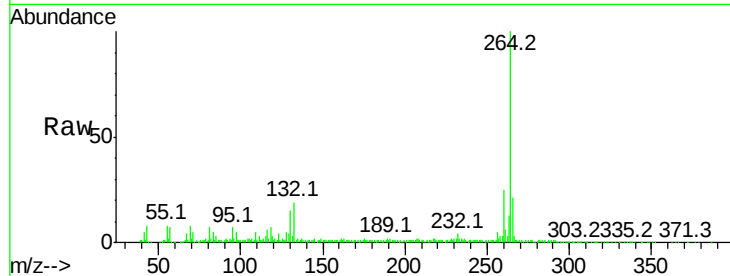
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Instrument :
BNA_F
ClientSampleId :
6706-AA-081717

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.3	17.2	25.8

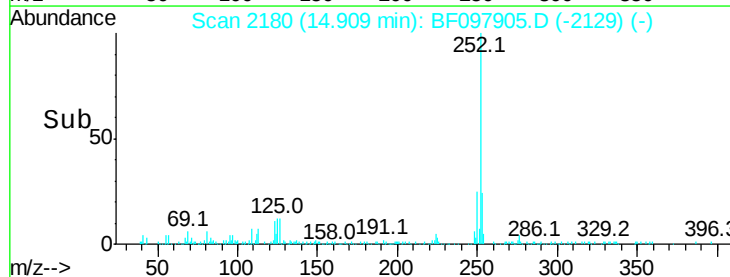
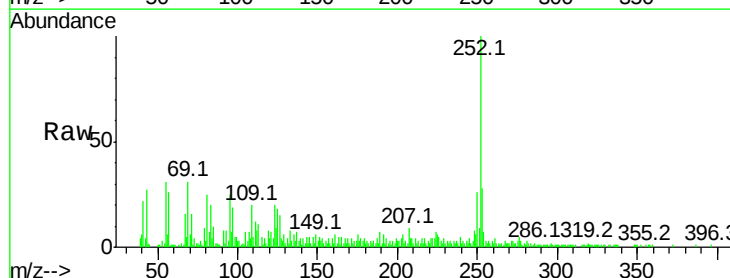
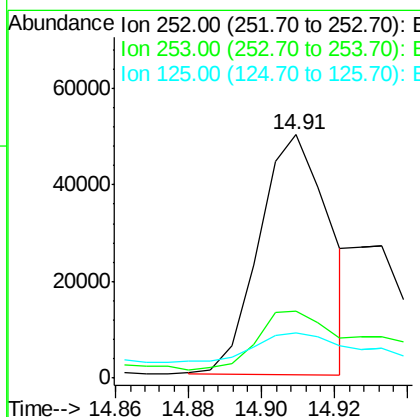
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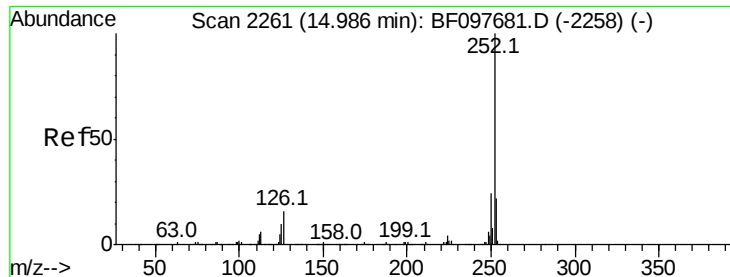
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#87
Benzo(b)fluoranthene
Concen: 5.123 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.1	27.1#
125	18.4	9.8	14.8#





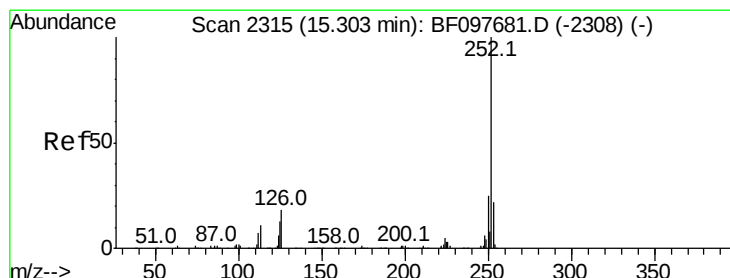
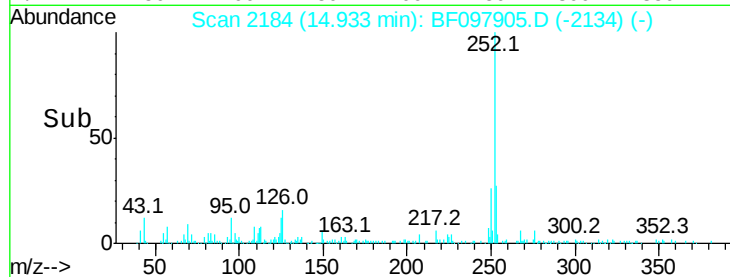
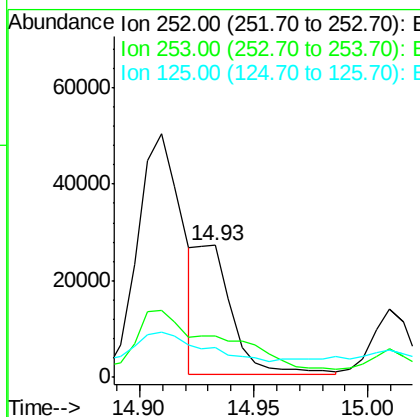
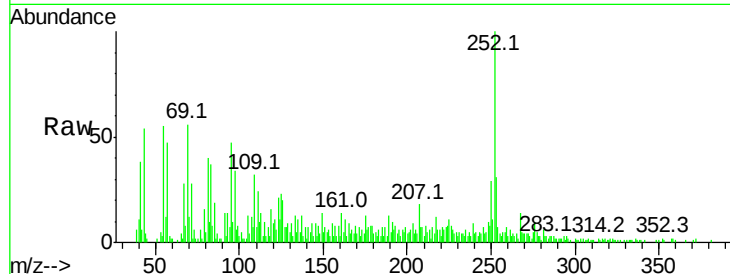
#88
Benzo(k)fluoranthene
Concen: 2.392 ng/mL
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Instrument :
BNA_F
ClientSampleId :
6706-AA-081717

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.4	18.4	27.6#
125	22.7	13.1	19.7#

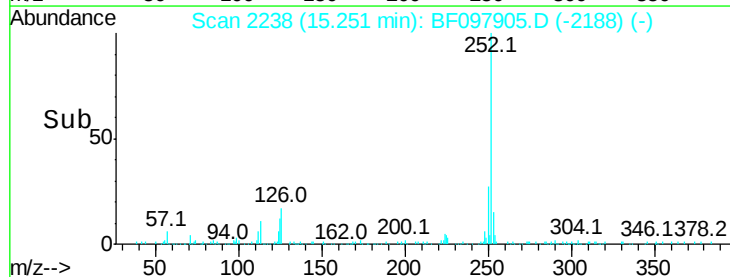
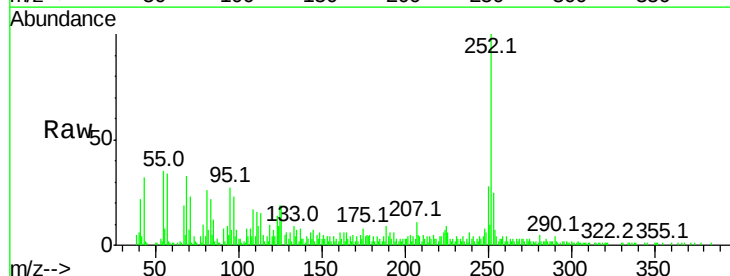
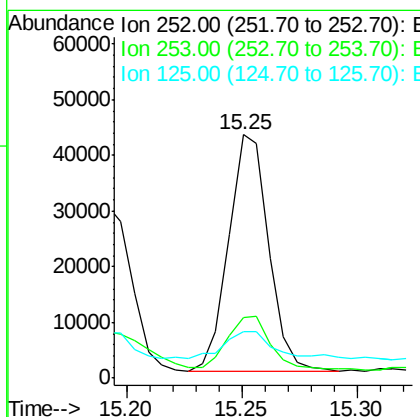
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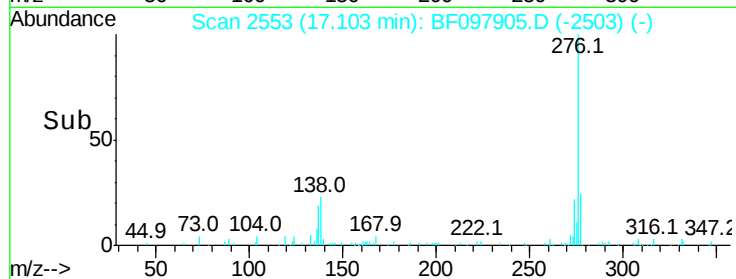
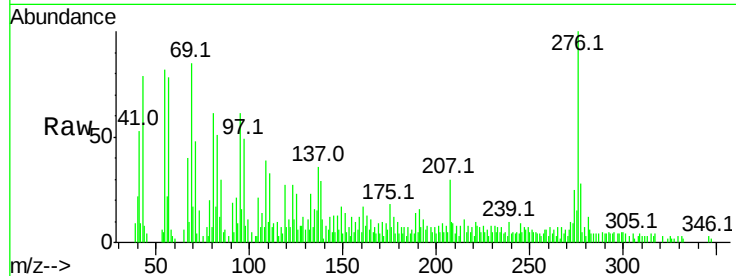
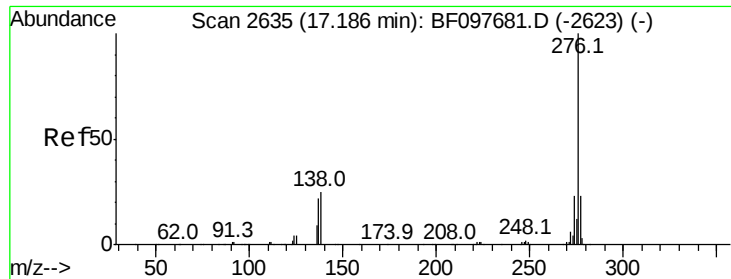
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#89
Benzo(a)pyrene
Concen: 4.501 ng/mL
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	19.0	11.0	16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.472 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

Tot Ion:	276	Resp:	24181
Ion Ratio	Lower	Upper	
276	100		
277	28.1	18.6	28.0#
138	28.7	25.4	38.0

Manual Integrations
APPROVED

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