

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097434.D
 Acq On : 7 Aug 2017 17:34
 Operator : SJ/JU
 Sample : I4642-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-080417

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:55:55 PM

Quant Time: Aug 08 05:23:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	88142	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	369843	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	146960	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	225042	20.00	ng	0.00
75) Chrysene-d12	13.53	240	177530	20.00	ng	0.00
86) Perylene-d12	14.87	264	136843	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	550886	94.22	ng	0.00
7) Phenol-d6	6.09	99	619067	92.74	ng	0.00
23) Nitrobenzene-d5	6.98	82	369445	58.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.23	330	96210	82.86	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	555934	64.20	ng	0.00
78) Terphenyl-d14	12.49	244	311990	35.83	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.17	163	69636	6.240	ng	99
74) Fluoranthene	12.12	202	71061	6.016	ng	98
77) Pyrene	12.34	202	73063	5.027	ng	98
80) Benzo(a)anthracene	13.52	228	59602	5.189	ng	98
82) Chrysene	13.56	228	51957	4.632	ng	98
85) Indeno(1,2,3-cd)pyrene	16.07	276	20655	2.148	ng	99
87) Benzo(b)fluoranthene	14.53	252	62300m	7.574	ng	
88) Benzo(k)fluoranthene	14.54	252	23093m	2.946	ng	
89) Benzo(a)pyrene	14.82	252	45048	5.984	ng	# 96
91) Benzo(g,h,i)perylene	16.42	276	24359	3.762	ng	95

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

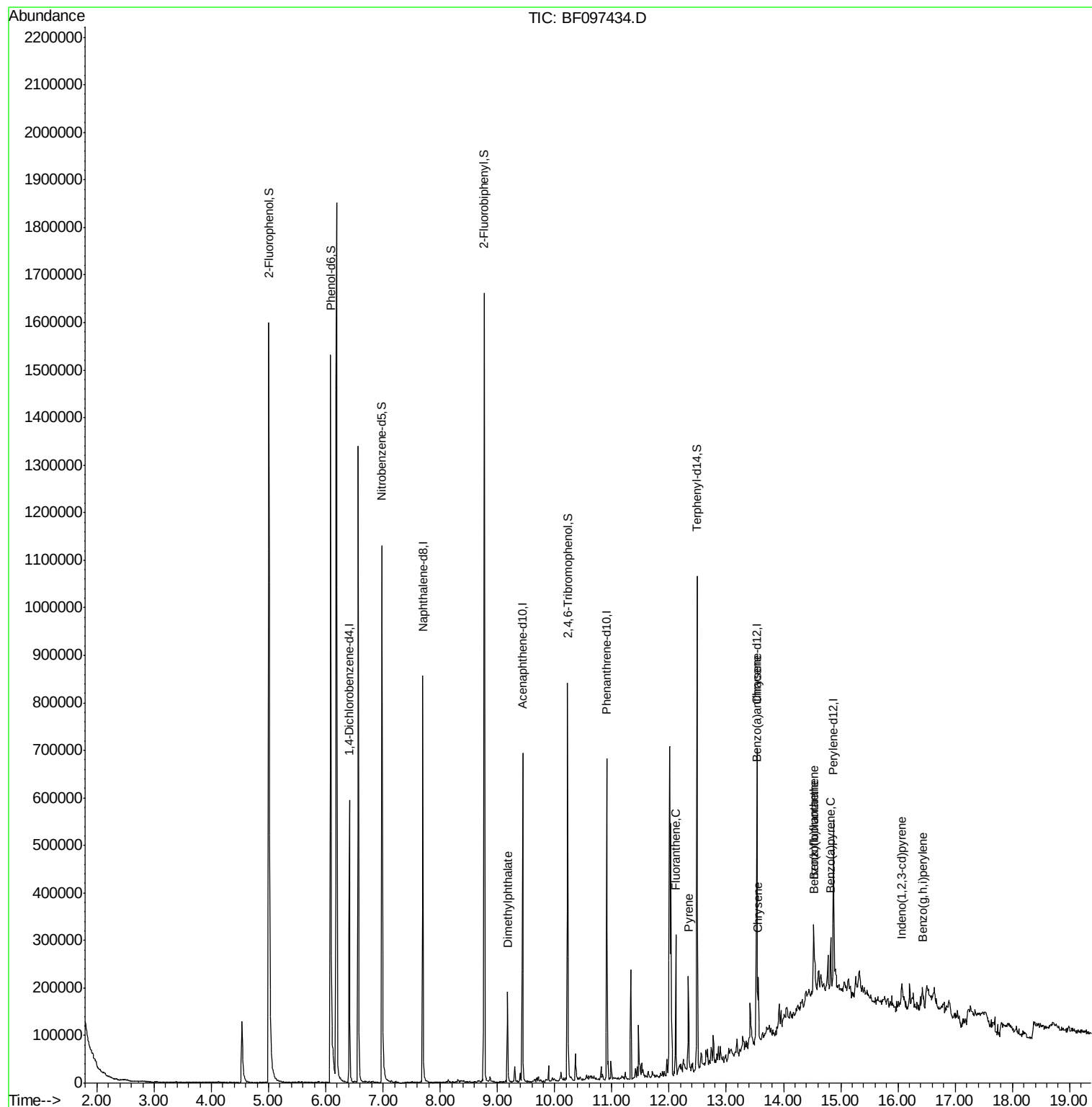
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
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Sample : I4642-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

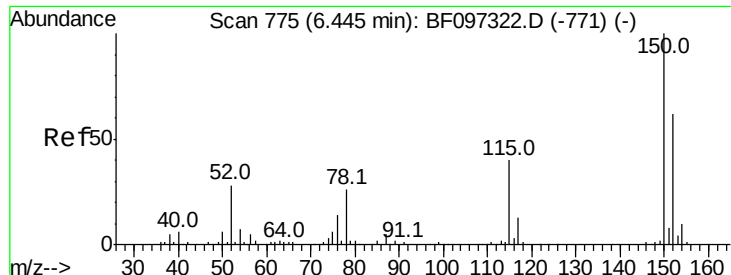
Instrument :
BNA_F
ClientSampleId :
BU-03-080417

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Quant Time: Aug 08 05:23:14 2017
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Response via : Initial Calibration





#1

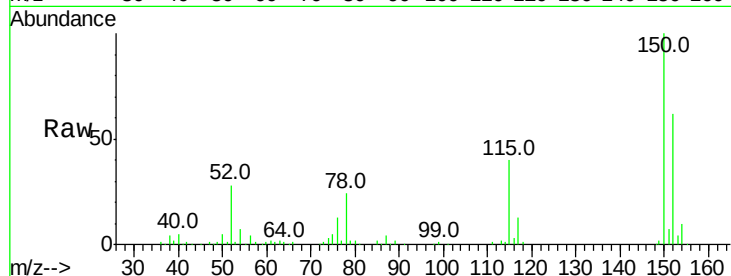
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Instrument :
BNA_F
ClientSampleId :
BU-03-080417

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	126.2	189.2
115	65.1	52.2	78.2

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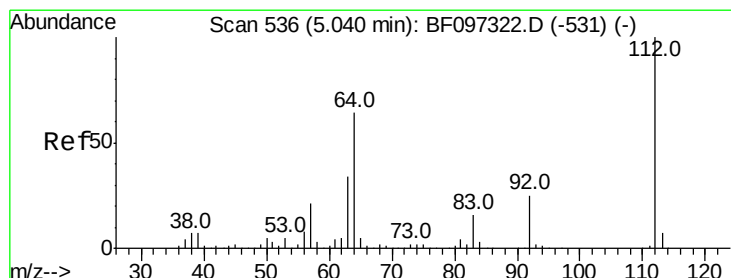
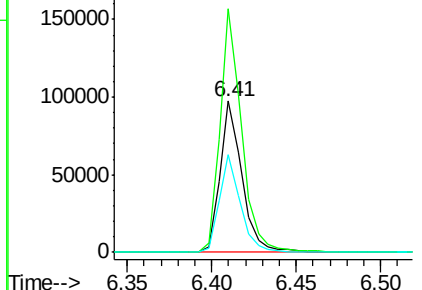
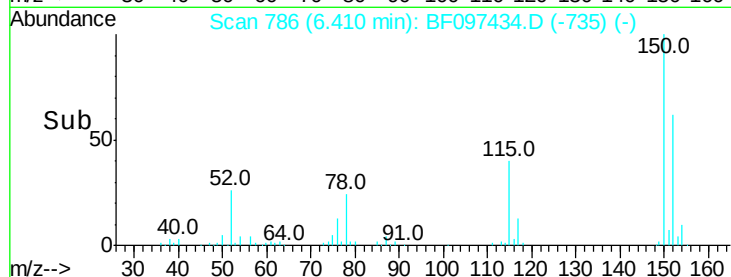


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

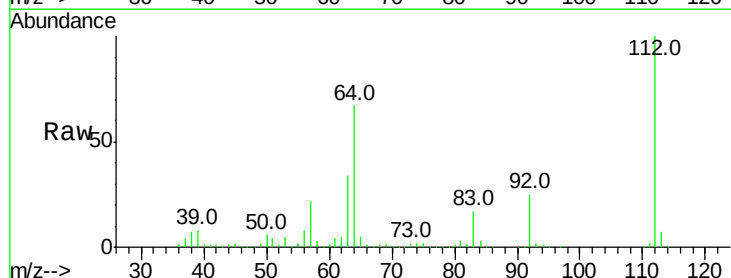
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.218 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.0	69.0
63	34.1	23.4	35.0

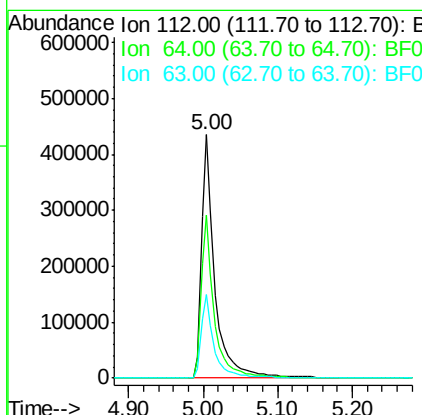
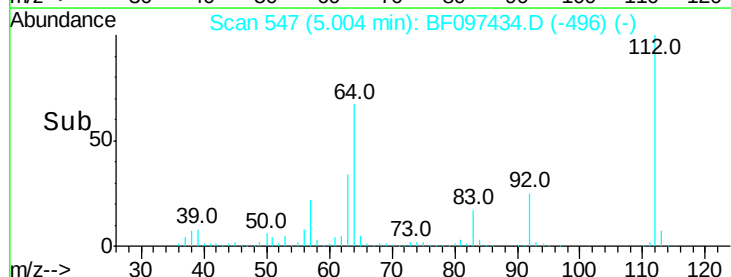


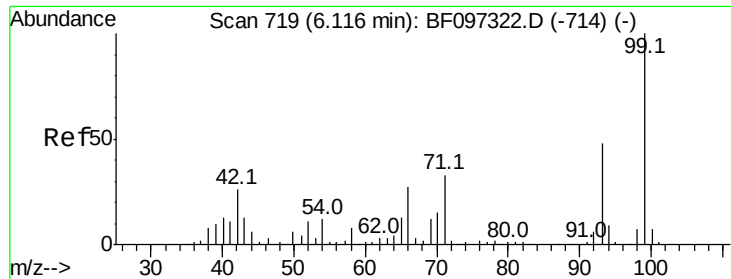
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.744 ng

RT: 6.09 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Instrument :

BNA_F

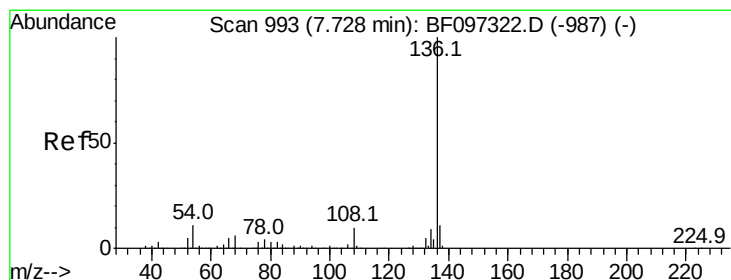
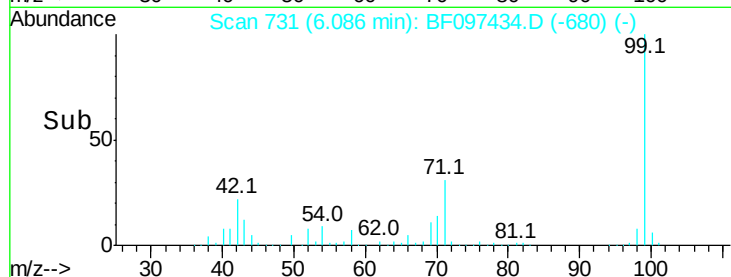
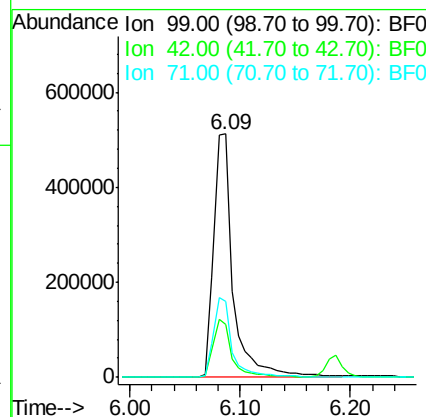
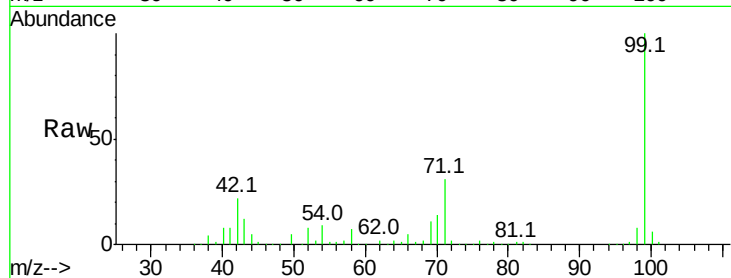
ClientSampleId :

BU-03-080417

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		619067		
42	21.9	13.5	20.3#		
71	31.0	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

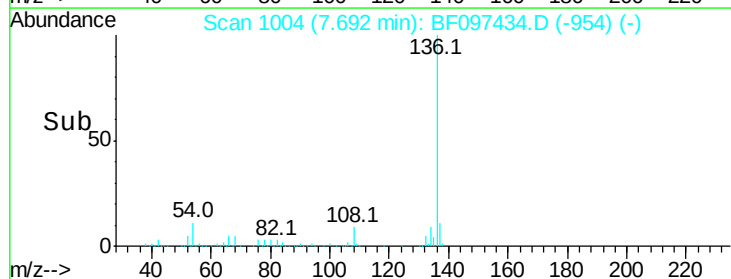
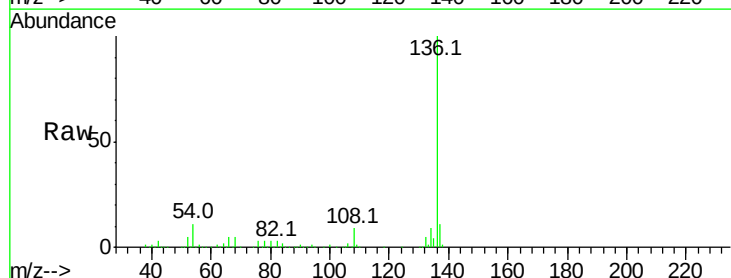
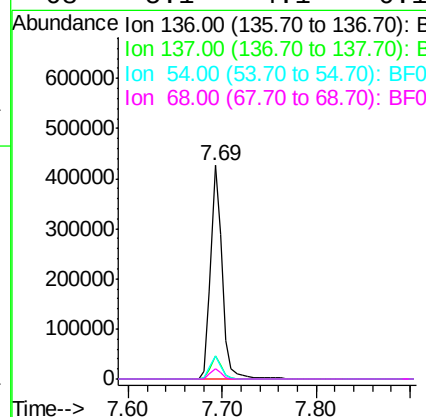
RT: 7.69 min Scan# 1004

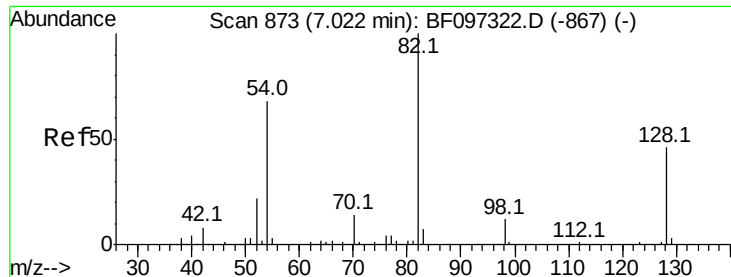
Delta R.T. -0.01 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		369843		
137	10.8	8.5	12.7		
54	10.6	4.9	7.3#		
68	5.1	4.1	6.1		





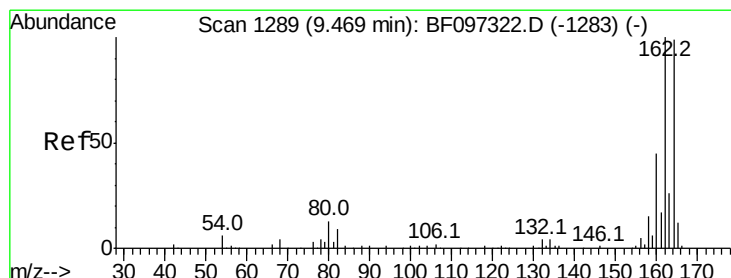
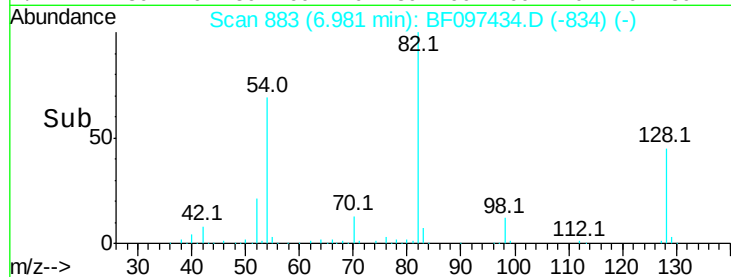
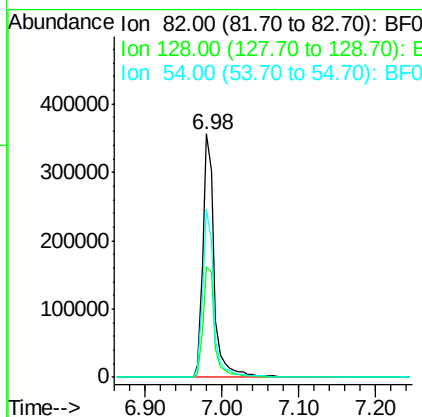
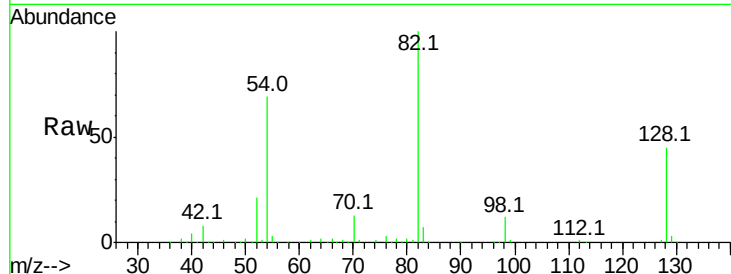
#23
 Nitrobenzene-d5
 Concen: 58.601 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF097434.D
 Acq: 7 Aug 2017 17:34

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-080417

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	34.0	51.0	
54	68.8	42.2	63.2	

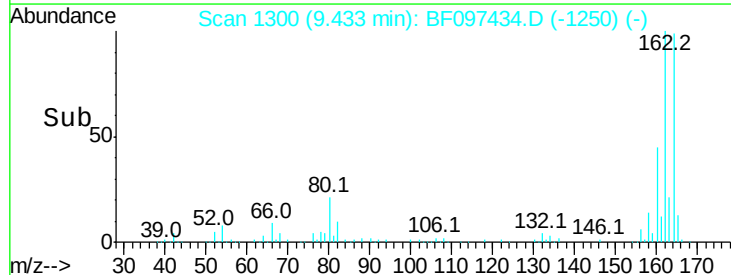
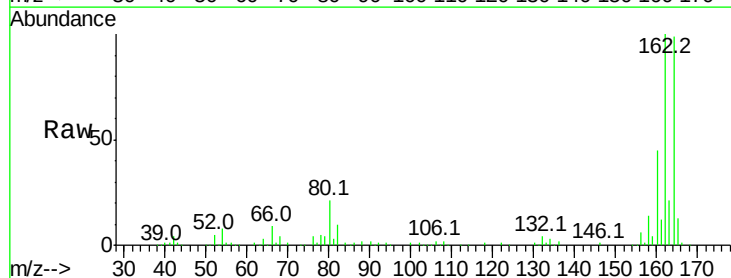
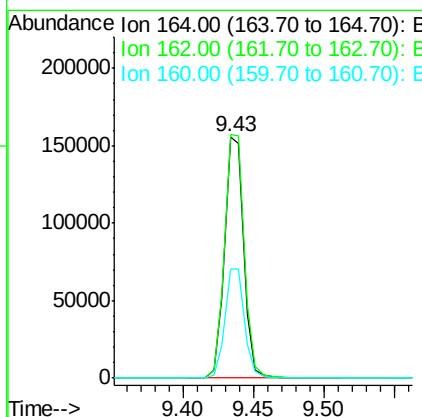
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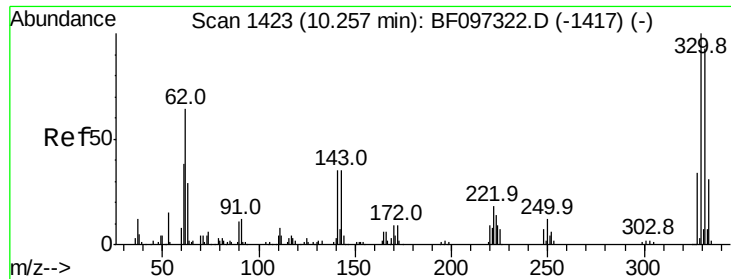
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097434.D
 Acq: 7 Aug 2017 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	82.6	123.8	
160	45.2	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 82.859 ng

RT: 10.23 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Instrument :

BNA_F

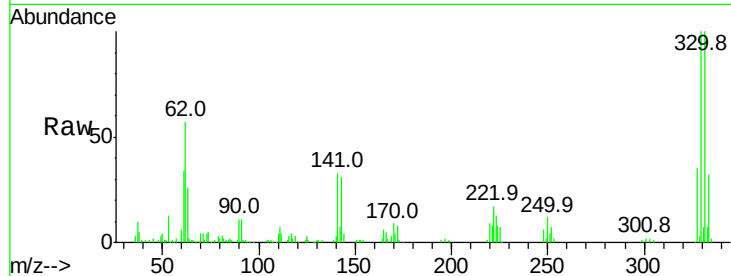
ClientSampleId :

BU-03-080417

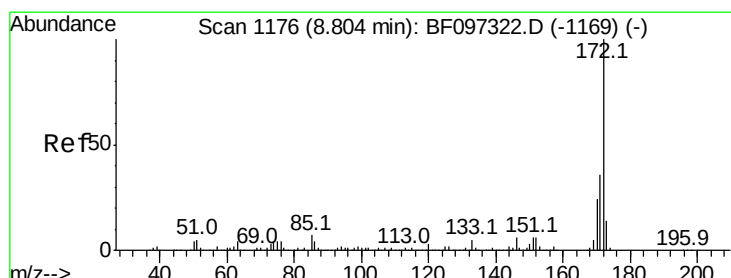
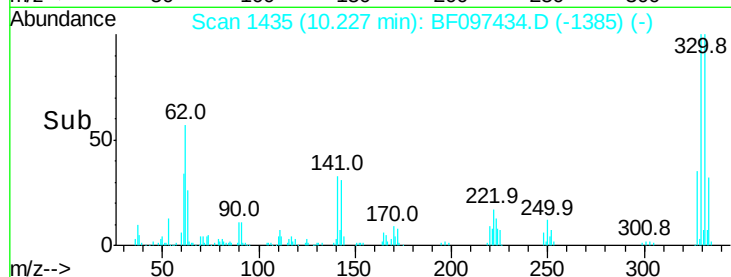
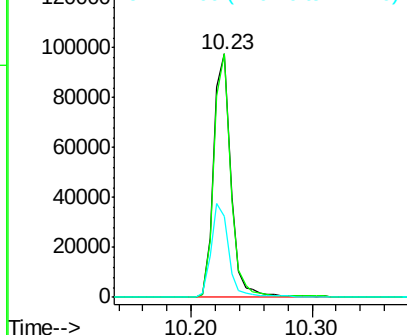
Tot Ion:	330	Resp:	96210
Ion Ratio	Lower	Upper	
330	100		
332	97.9	76.6	115.0
141	38.7	31.4	47.2

Manual Integrations
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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: 64.199 ng

RT: 8.77 min Scan# 1188

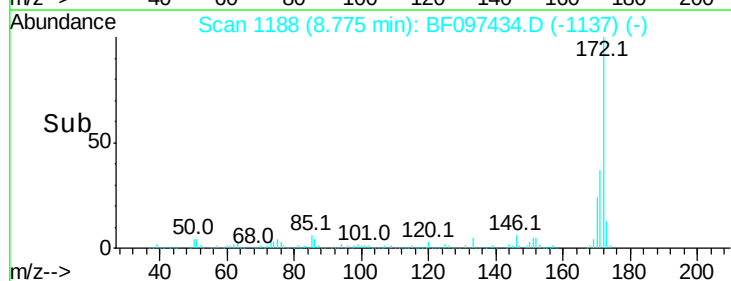
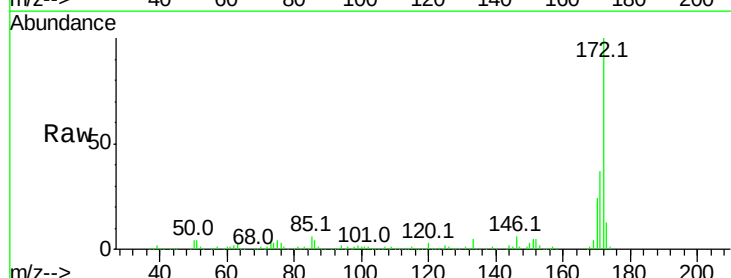
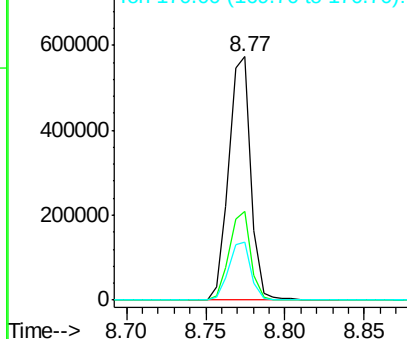
Delta R.T. 0.00 min

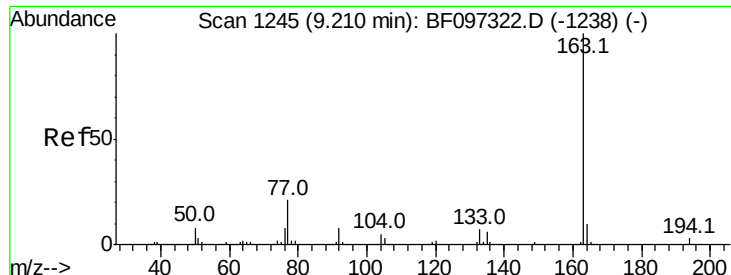
Lab File: BF097434.D

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Tgt Ion:	172	Resp:	555934
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.6	44.4
170	23.8	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





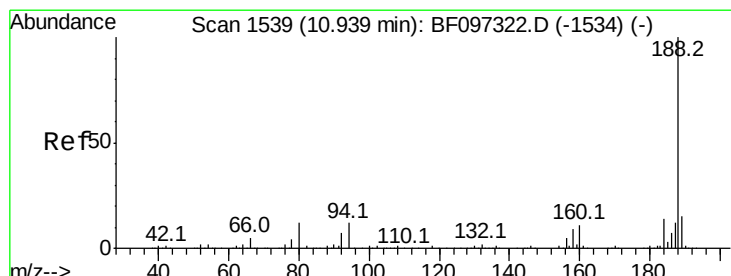
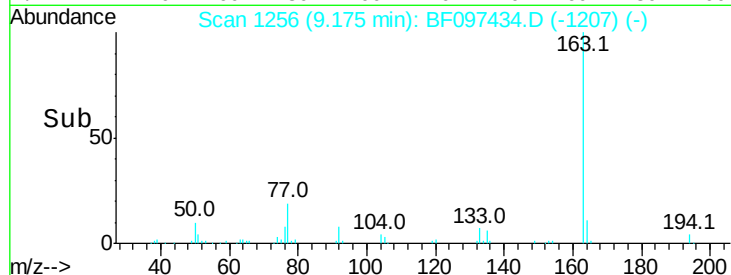
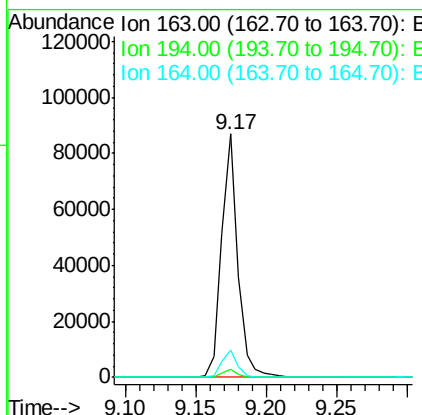
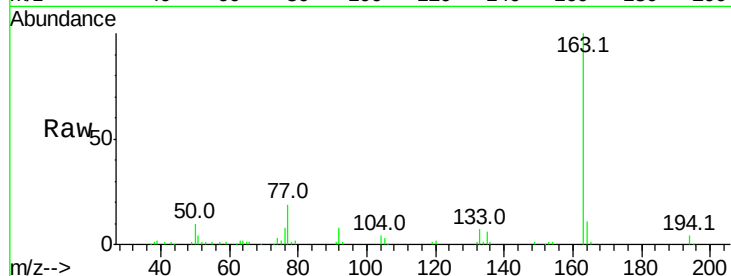
#49
Dimethylphthalate
Concen: 6.240 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Instrument :
BNA_F
ClientSampleId :
BU-03-080417

Tot Ion	Ratio	Resp	Lower	Upper
163	100	69636		
194	3.6		2.6	4.0
164	11.0		8.4	12.6

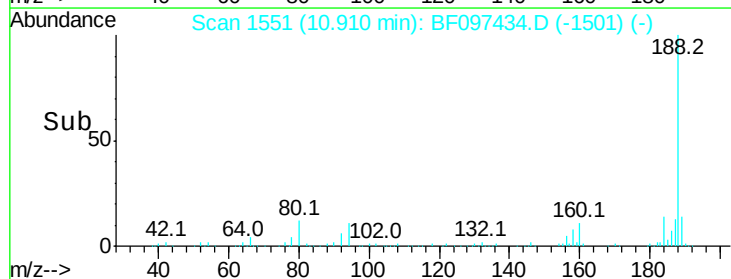
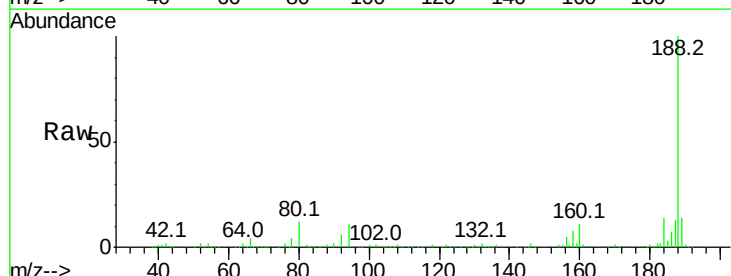
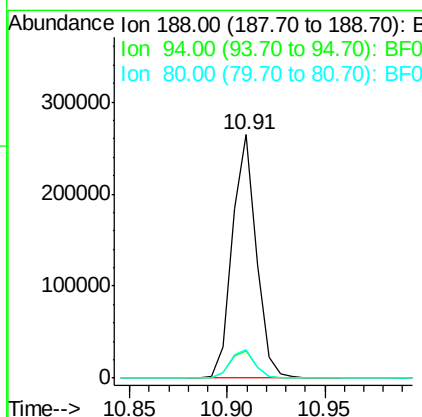
Manual Integrations
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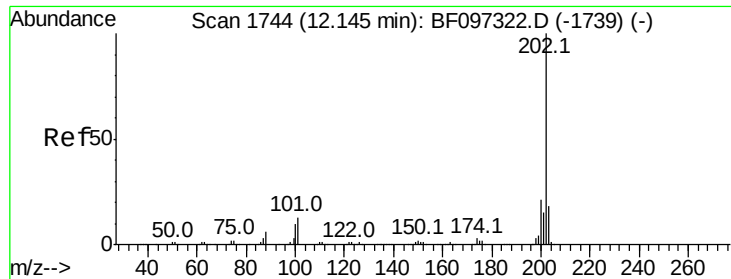
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	225042		
94	11.0		9.4	14.2
80	11.7		10.2	15.2





#74

Fluoranthene

Concen: 6.016 ng

RT: 12.12 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Instrument :

BNA_F

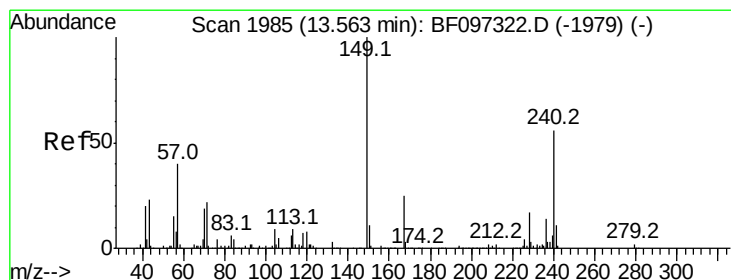
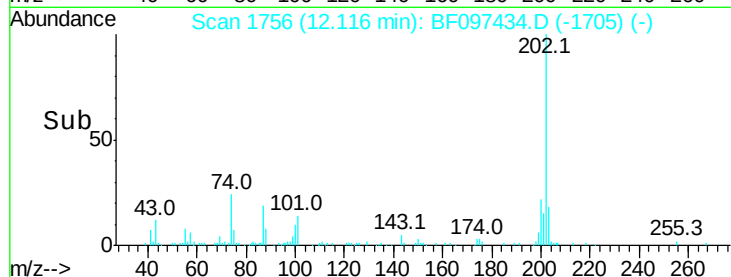
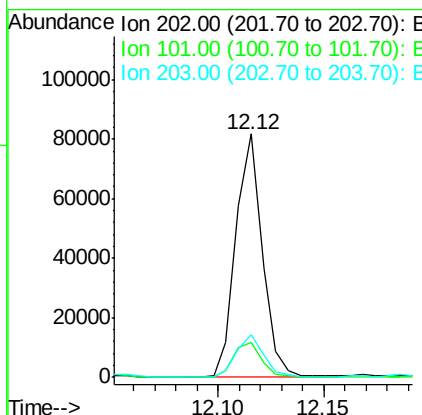
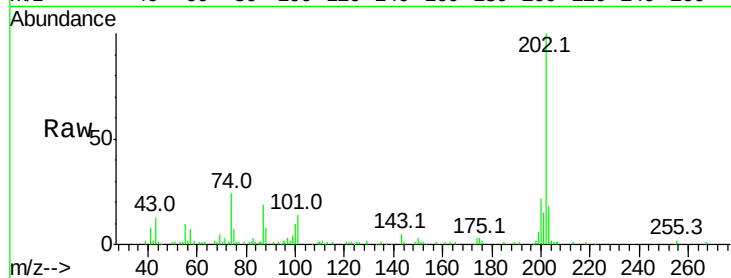
ClientSampled :

BU-03-080417

Tot Ion:	202	Resp:	71061
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	33.2
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

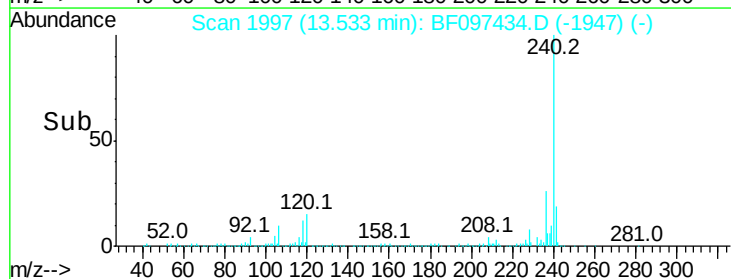
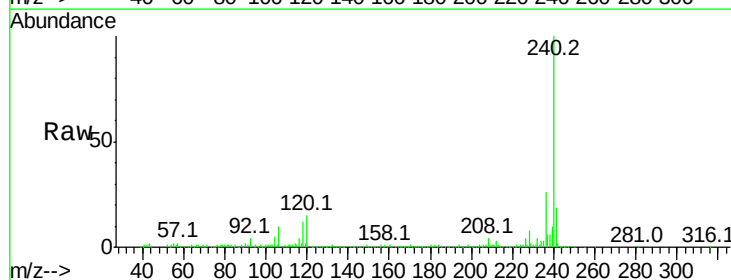
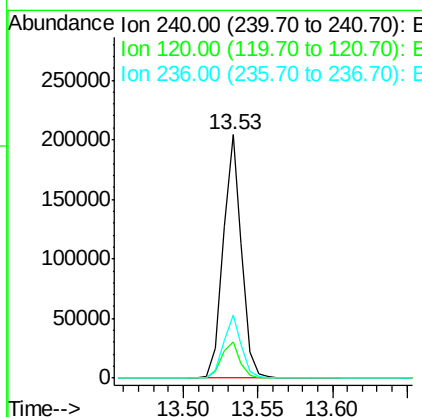
RT: 13.53 min Scan# 1997

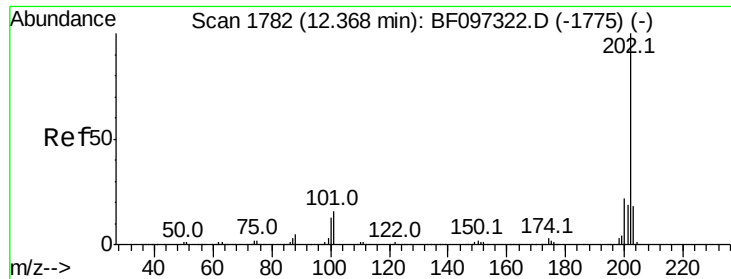
Delta R.T. -0.01 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Tgt Ion:	240	Resp:	177530
Ion Ratio	Lower	Upper	
240	100		
120	15.0	5.8	8.8#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 5.027 ng

RT: 12.34 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Instrument :

BNA_F

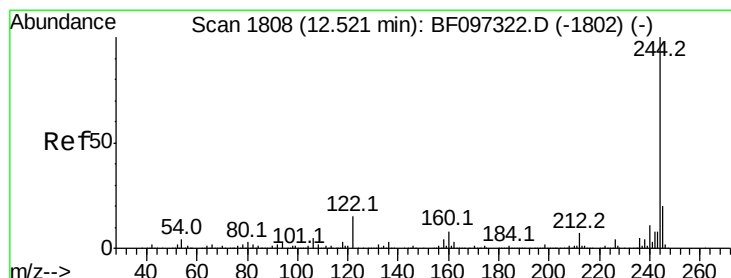
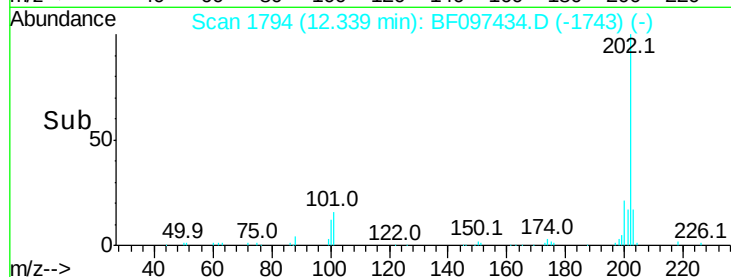
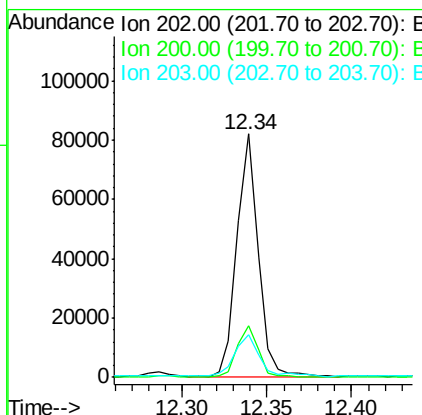
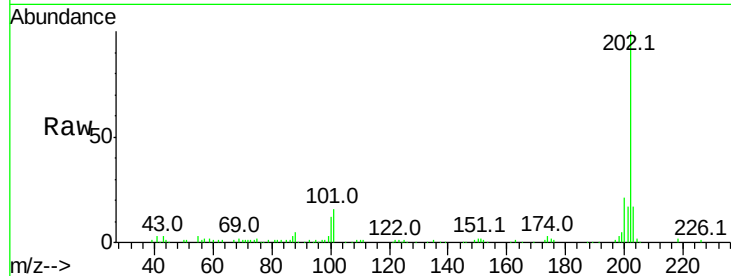
ClientSampleId :

BU-03-080417

Tot Ion:	202	Resp:	73063
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	17.4	14.4	21.6

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#78

Terphenyl-d14

Concen: 35.831 ng

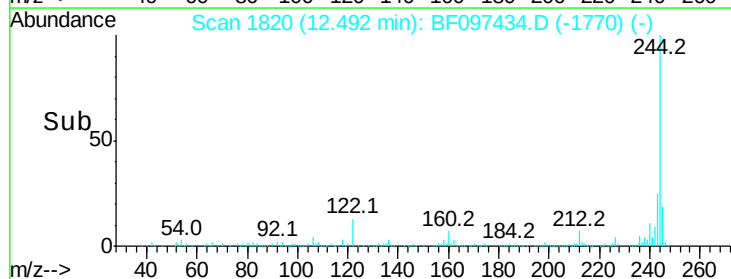
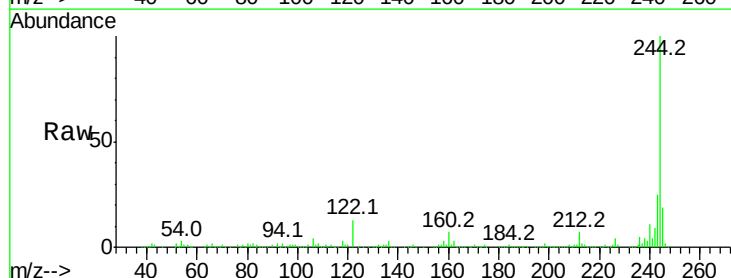
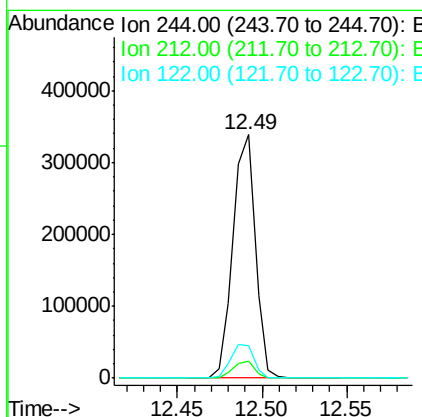
RT: 12.49 min Scan# 1820

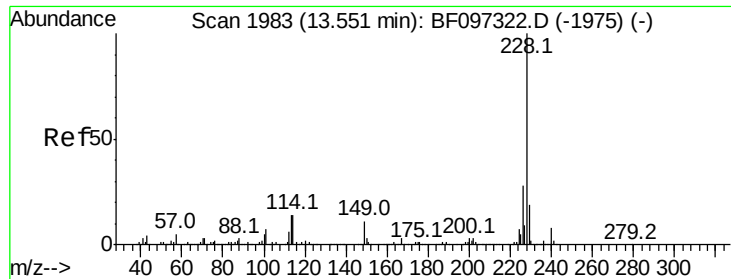
Delta R.T. -0.01 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Tgt Ion:	244	Resp:	311990
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	13.4	10.3	15.5





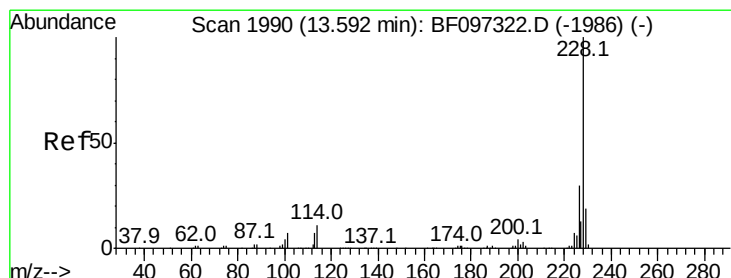
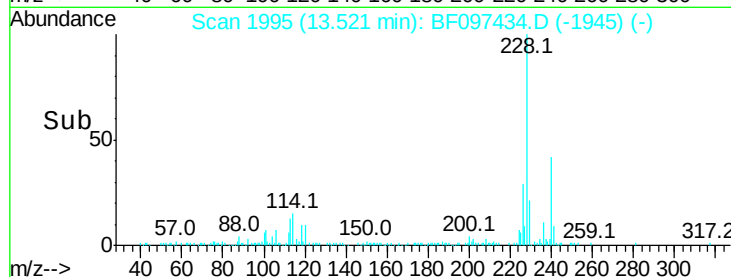
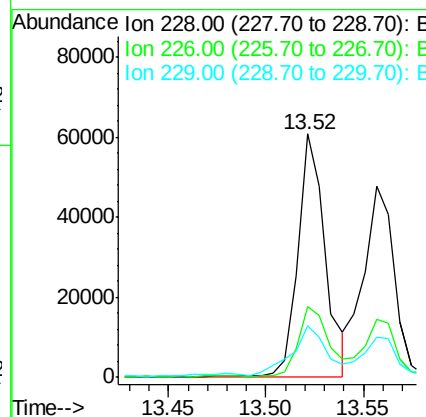
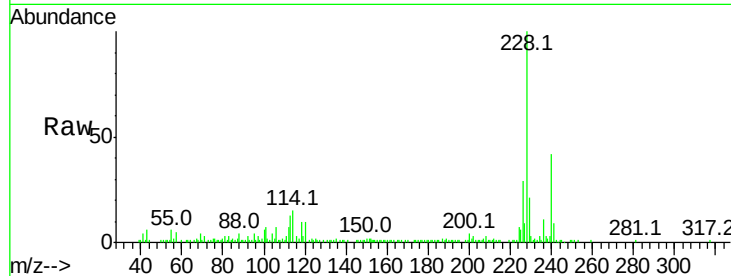
#80
Benzo(a)anthracene
Concen: 5.189 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Instrument :
BNA_F
ClientSampleId :
BU-03-080417

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.4	16.3	24.5

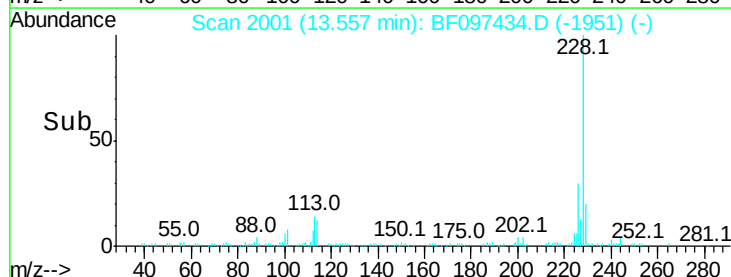
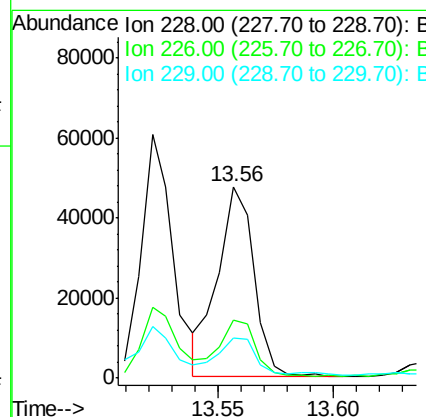
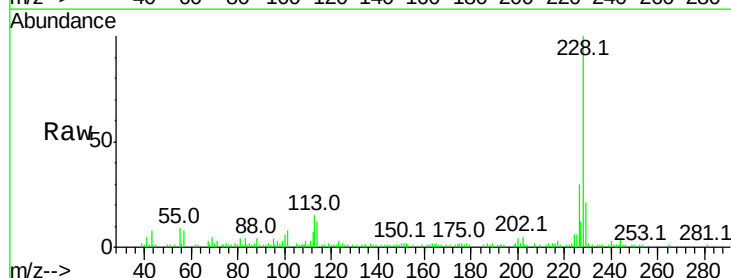
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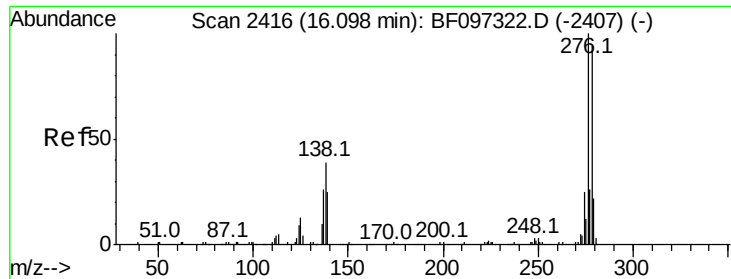
Sohil
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#82
Chrysene
Concen: 4.632 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	20.7	15.8	23.6





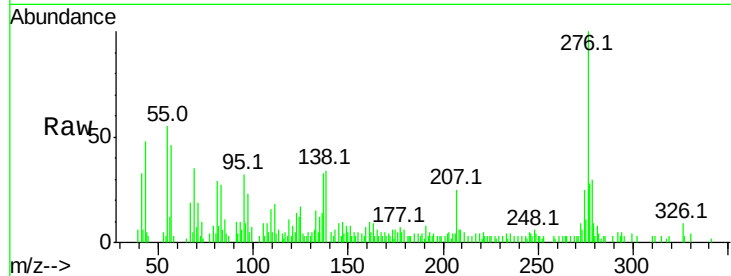
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.148 ng
RT: 16.07 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Instrument :
BNA_F
ClientSampleId :
BU-03-080417

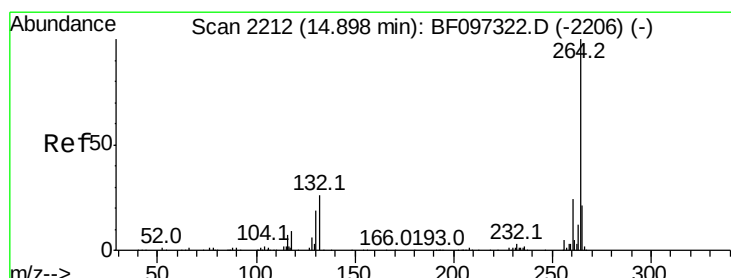
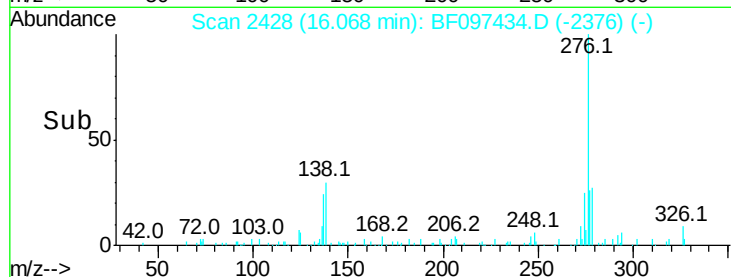
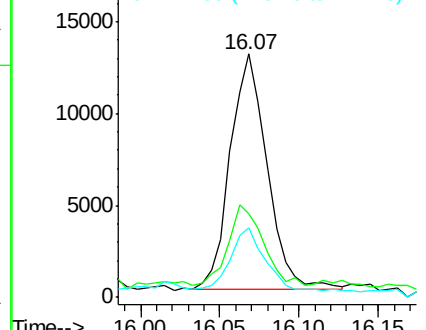
Tot Ion	Ratio	Lower	Upper
276	100		
138	35.3	27.8	41.6
277	26.3	20.2	30.4

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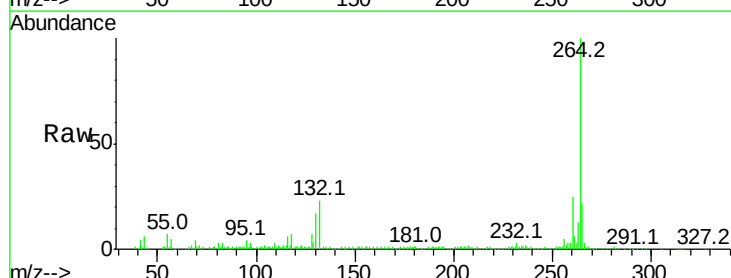


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

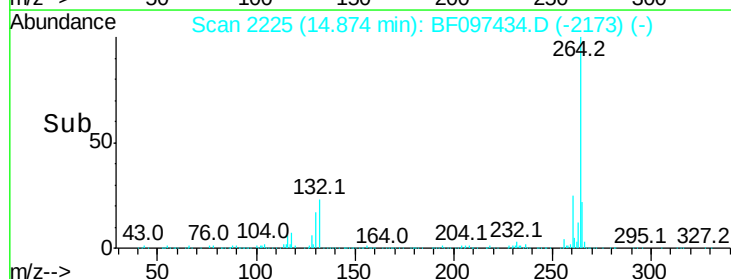
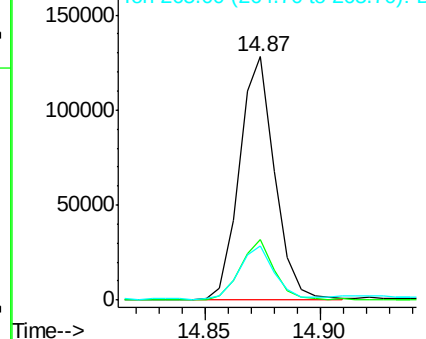


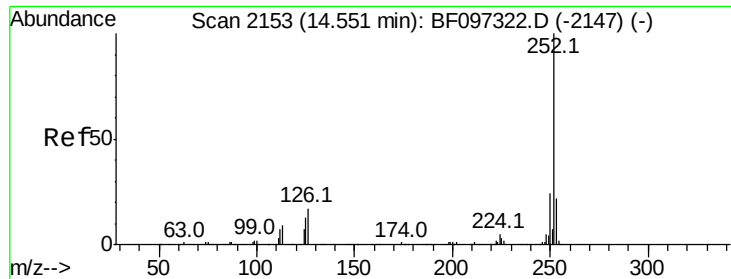
#86
Perylene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.1	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





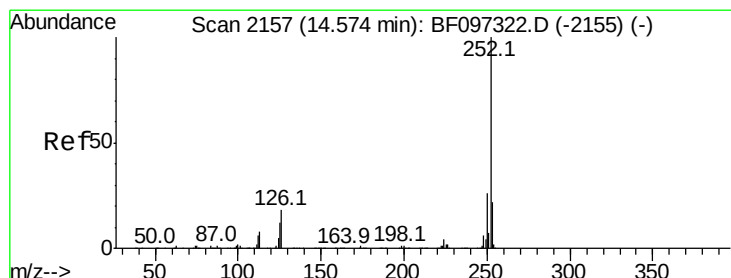
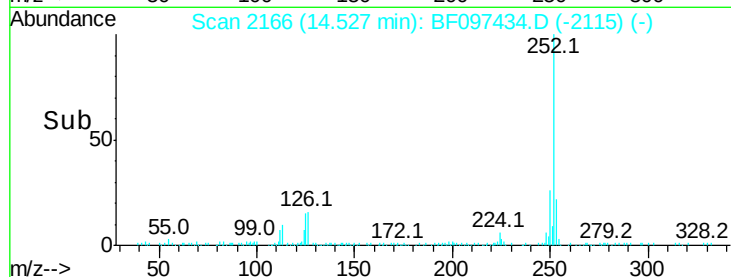
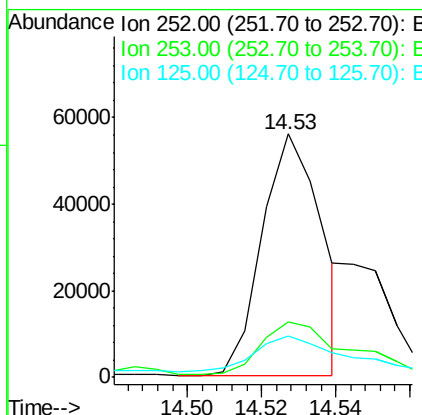
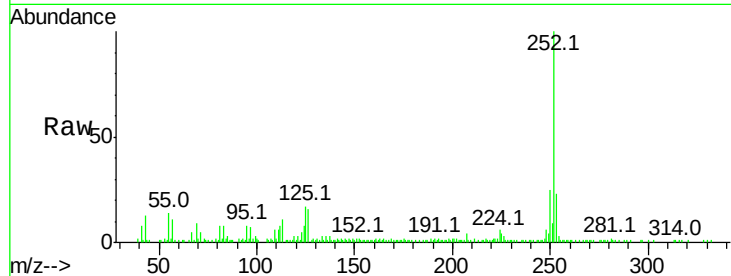
#87
Benzo(b)fluoranthene
Concen: 7.574 ng m
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Instrument :
BNA_F
ClientSampleId :
BU-03-080417

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	17.1	9.8	14.8

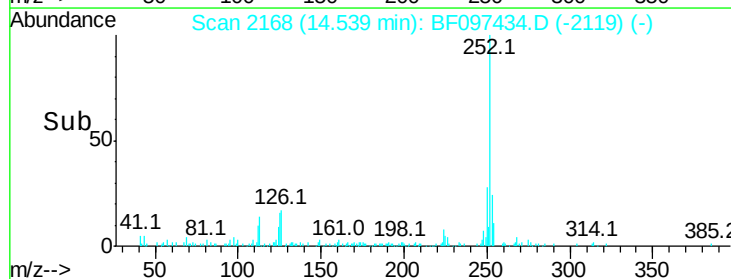
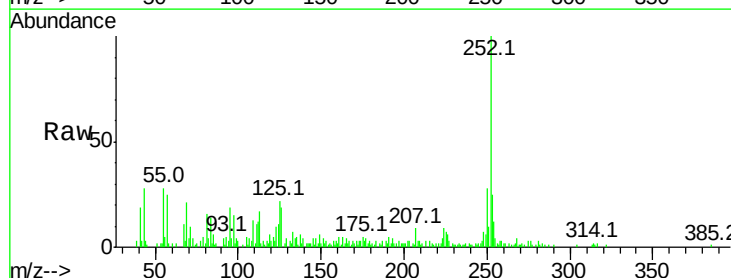
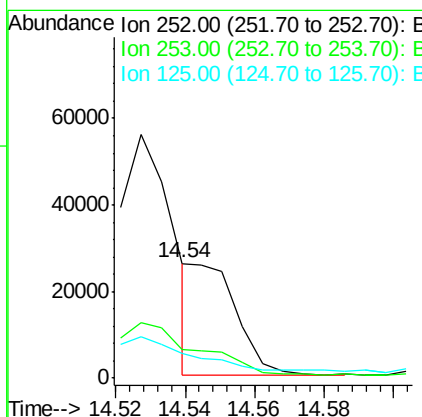
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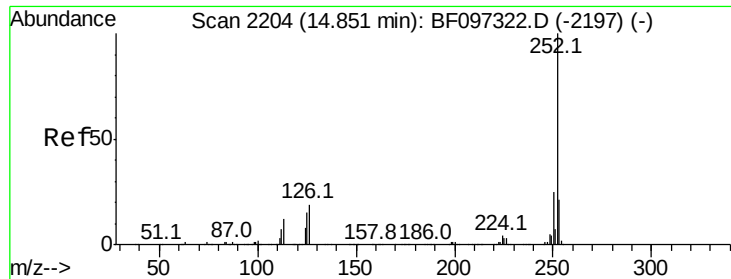
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#88
Benzo(k)fluoranthene
Concen: 2.946 ng m
RT: 14.54 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.4	27.6
125	21.7	13.1	19.7





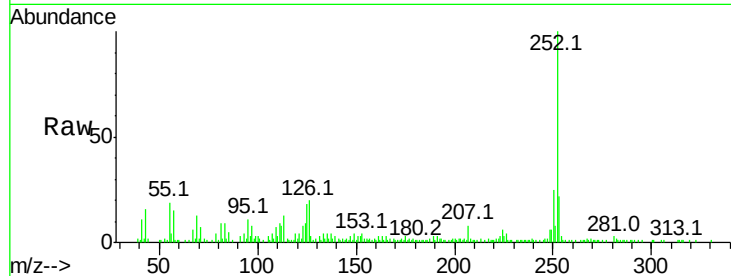
#89
Benzo(a)pyrene
Concen: 5.984 ng
RT: 14.82 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Instrument :
BNA_F
ClientSampleId :
BU-03-080417

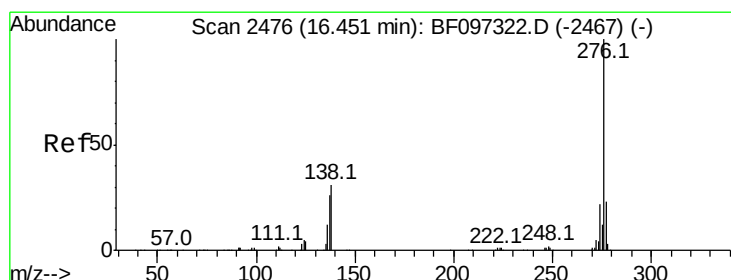
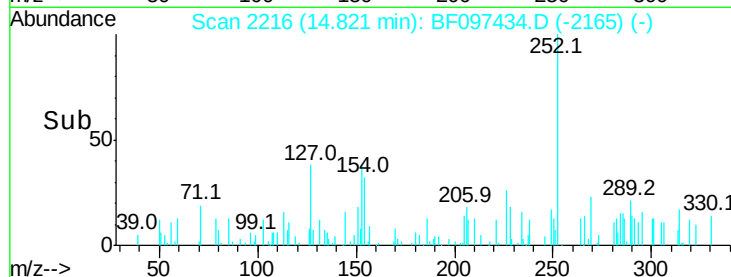
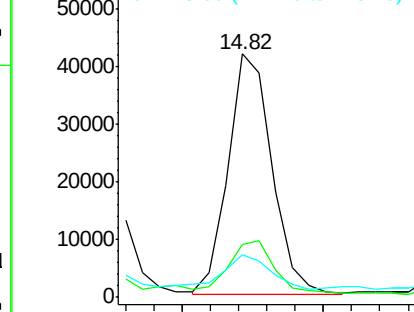
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	17.5	11.0	16.4

Manual Integrations
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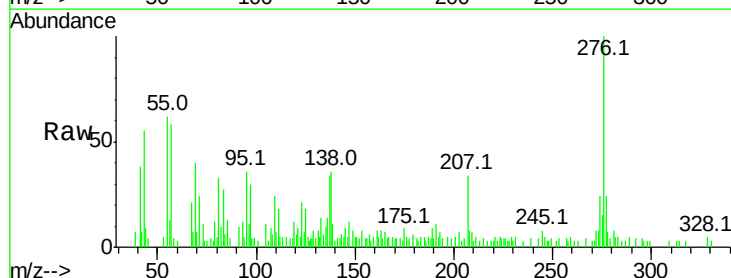


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.762 ng
RT: 16.42 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	36.1	25.4	38.0



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

