

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098874.D
 Acq On : 27 Sep 2017 20:35
 Operator : SJ/JU
 Sample : I5444-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-092617

Manual Integrations
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Quant Time: Sep 28 04:38:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	126498	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	511280	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	216813	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	335878	20.00	ng	0.00
75) Chrysene-d12	14.07	240	249615	20.00	ng	-0.01
86) Perylene-d12	15.57	264	256681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	181808	22.88	ng	-0.02
7) Phenol-d6	6.53	99	219901	22.43	ng	-0.02
23) Nitrobenzene-d5	7.47	82	130067	16.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	32431	18.28	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	225611	17.37	ng	-0.02
78) Terphenyl-d14	13.02	244	140833	12.83	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.66	163	33925	2.073	ng	Qvalue 100
70) Phenanthrene	11.46	178	124807	6.942	ng	97
74) Fluoranthene	12.65	202	337466	18.537	ng	96
77) Pyrene	12.88	202	308840	16.226	ng	99
80) Benzo(a)anthracene	14.06	228	171362	11.337	ng	98
82) Chrysene	14.10	228	143621	9.981	ng	95
85) Indeno(1,2,3-cd)pyrene	17.06	276	65610	5.700	ng	95
87) Benzo(b)fluoranthene	15.13	252	196424m	12.446	ng	
88) Benzo(k)fluoranthene	15.15	252	59567m	3.821	ng	
89) Benzo(a)pyrene	15.50	252	138448	9.557	ng	# 96
91) Benzo(g,h,i)perylene	17.52	276	57752	5.039	ng	94

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

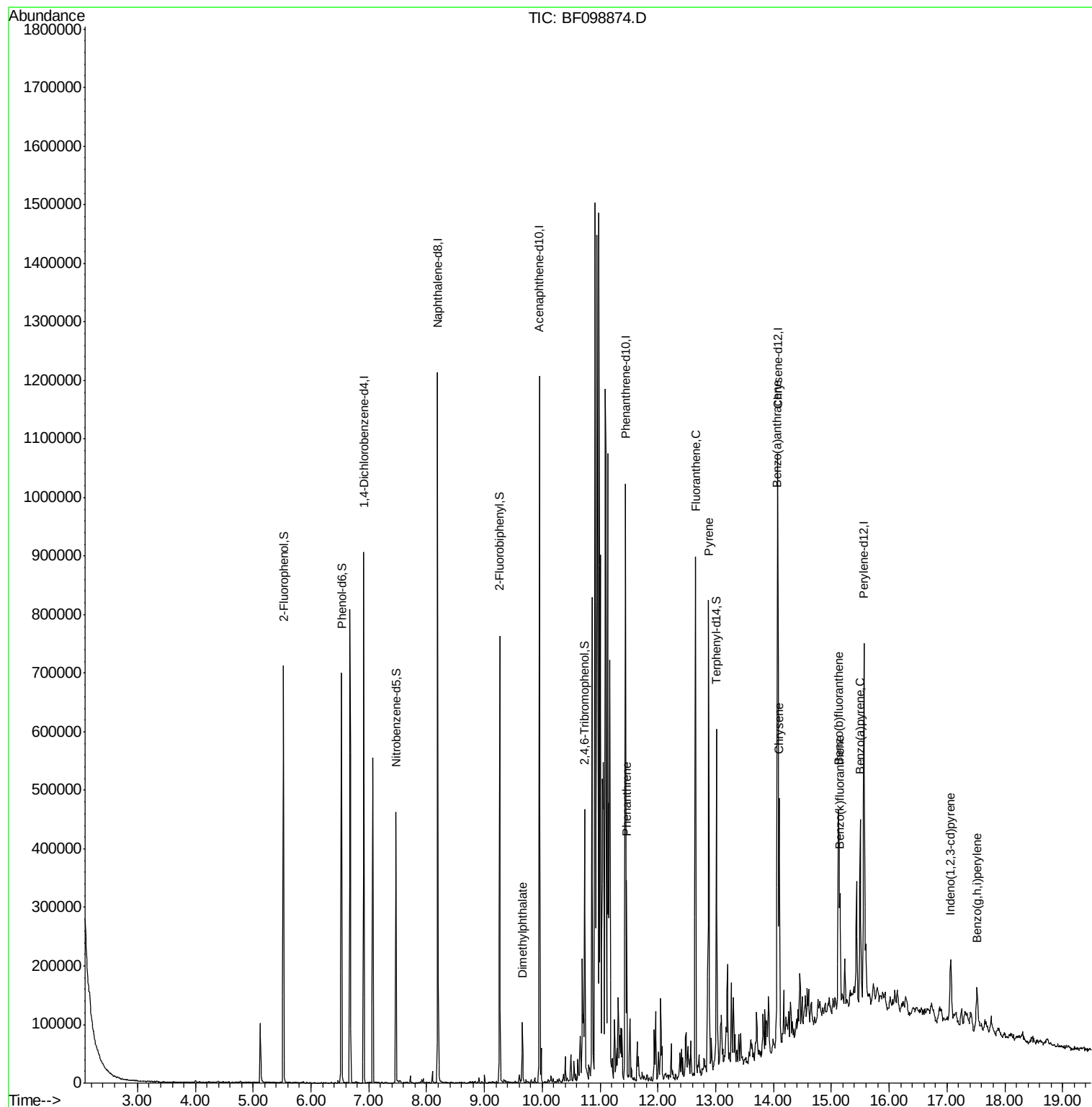
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

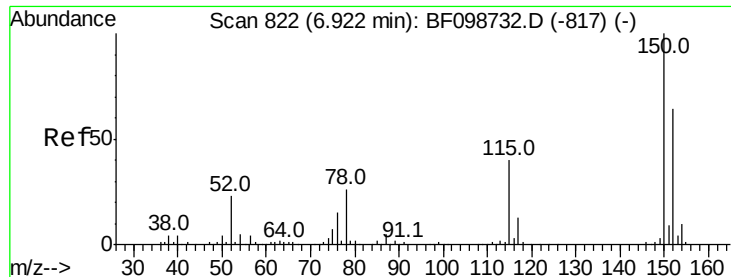
Instrument :
BNA_F
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#1

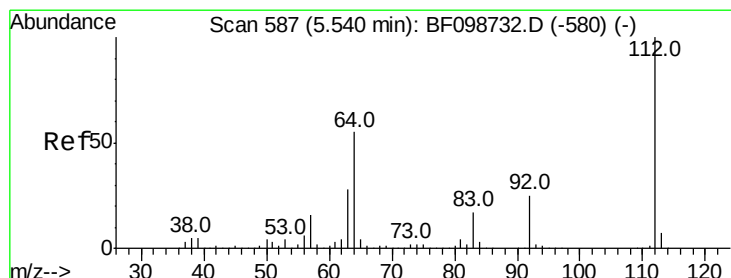
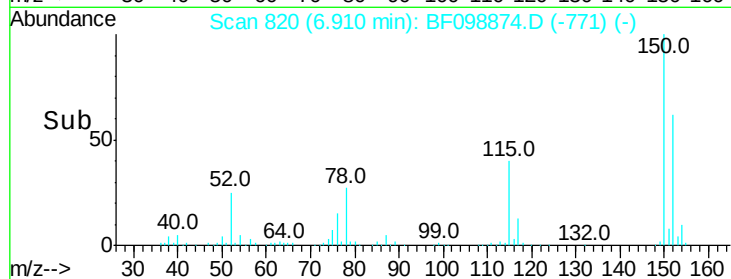
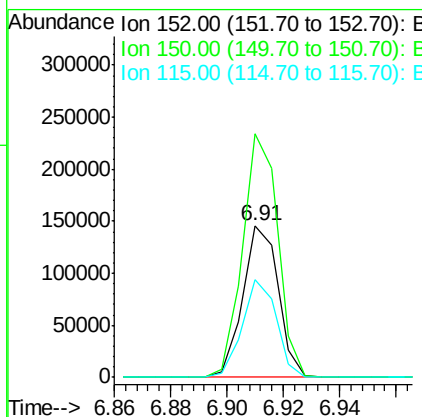
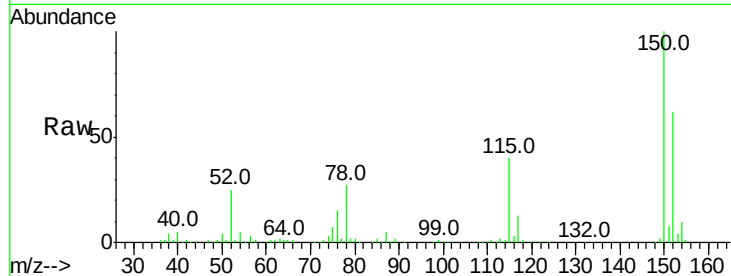
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

Instrument :
BNA_F
ClientSampleId :
BU-02-092617

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	64.4	50.1	75.1

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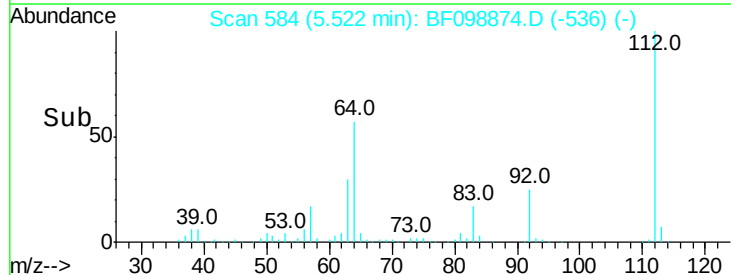
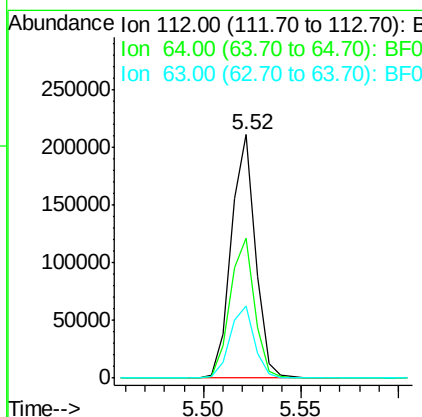
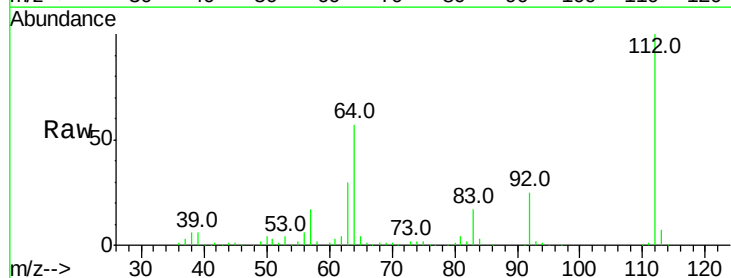
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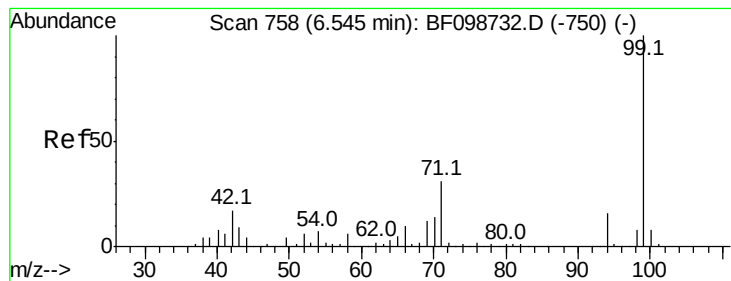


#5

2-Fluorophenol
Concen: 22.879 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 22.433 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

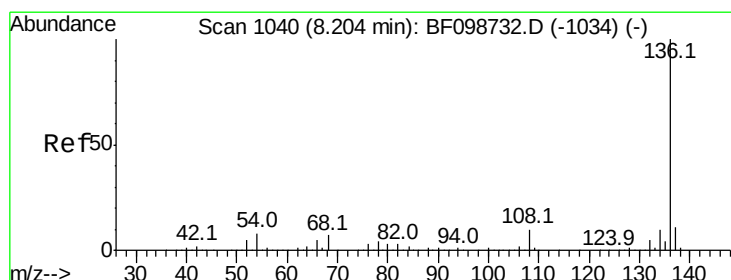
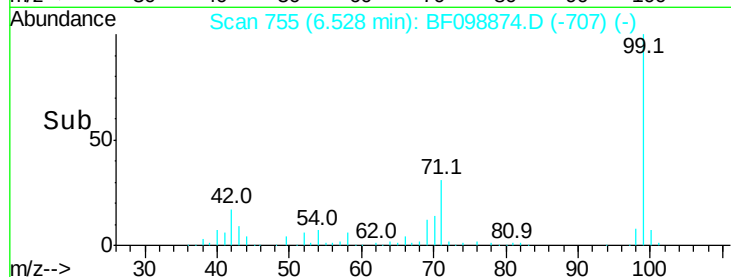
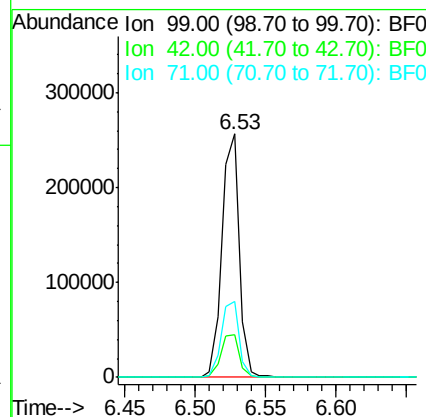
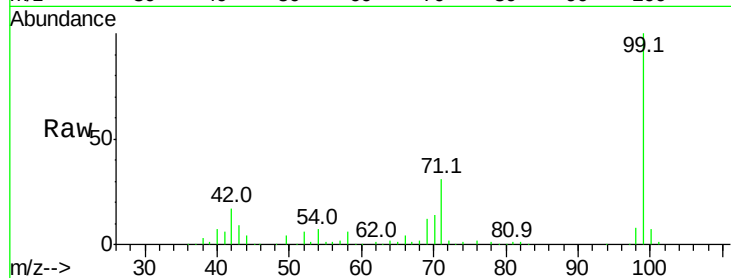
ClientSampleId :

BU-02-092617

Tot Ion:	99	Resp:	219901
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.5	21.7
71	31.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

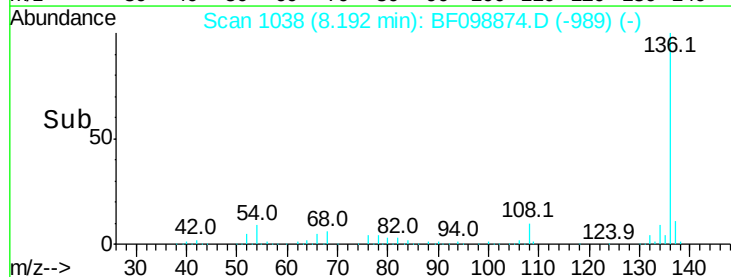
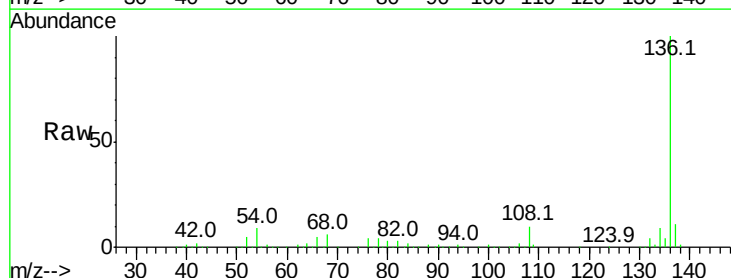
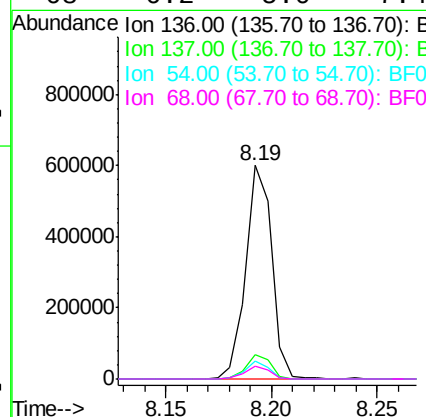
RT: 8.19 min Scan# 1038

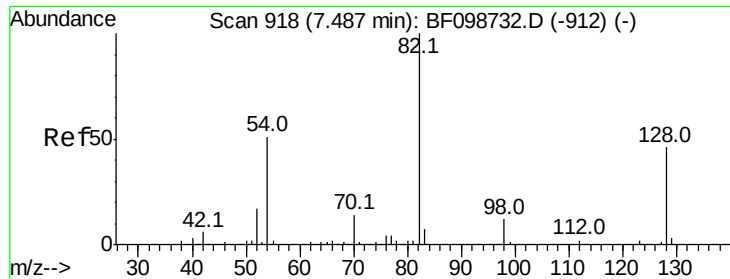
Delta R.T. -0.01 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Tgt Ion:	136	Resp:	511280
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.6	6.6	9.8
68	6.2	5.0	7.4





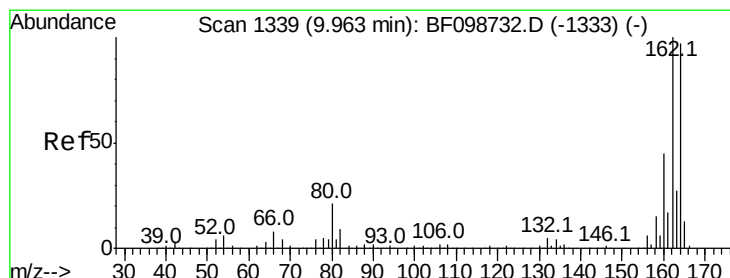
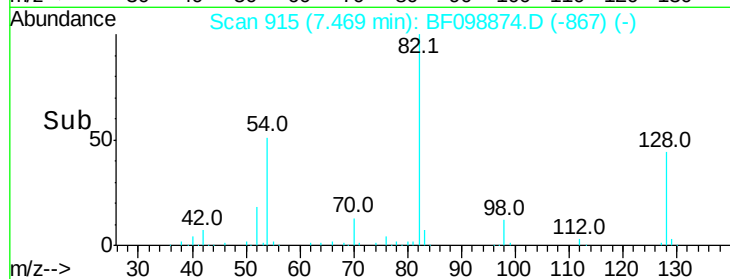
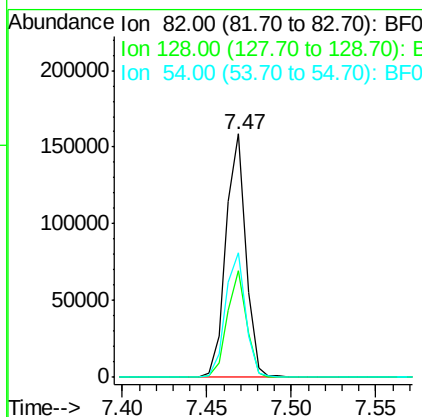
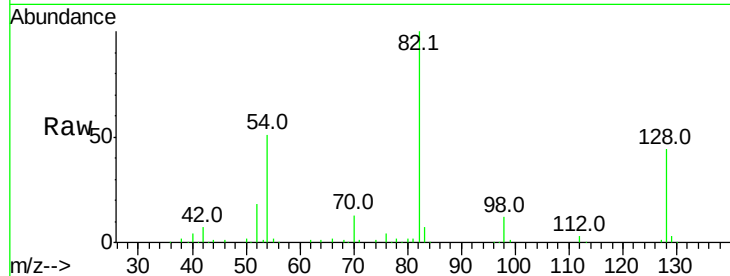
#23
 Nitrobenzene-d5
 Concen: 16.314 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-092617

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	51.2	41.4	62.2

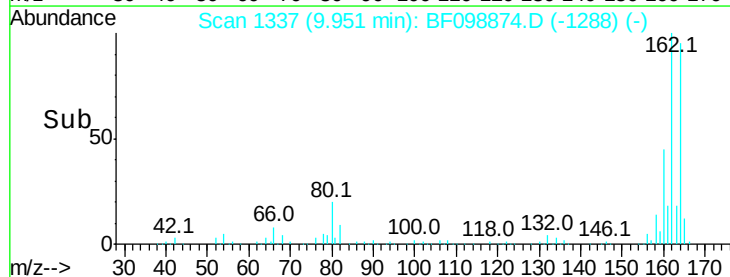
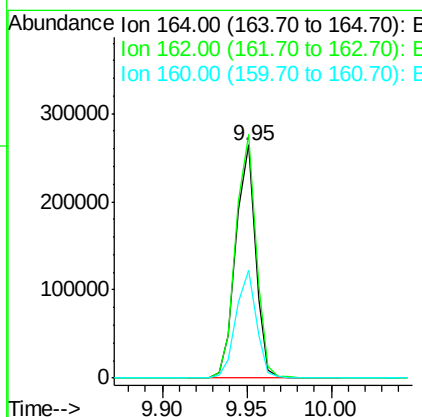
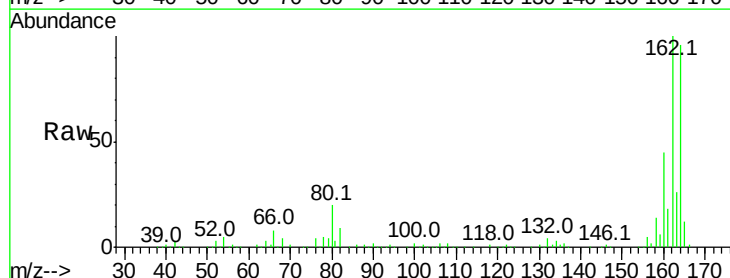
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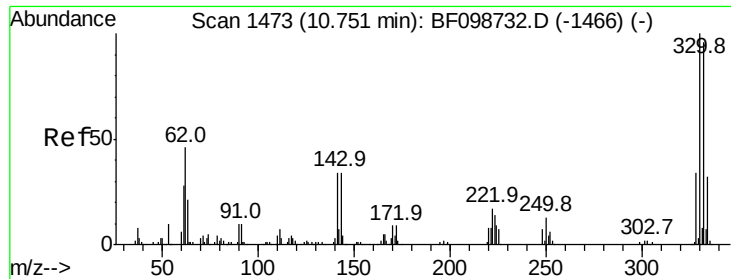
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	46.5	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 18.280 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

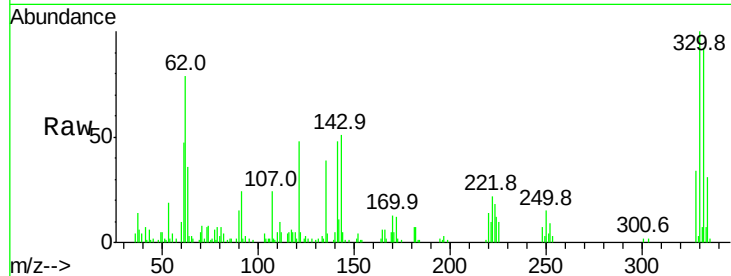
ClientSampled :

BU-02-092617

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.0	77.0	115.6	
141	49.5	29.9	44.9	

Manual Integrations
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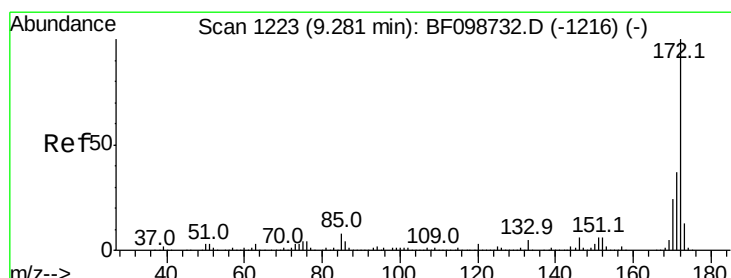
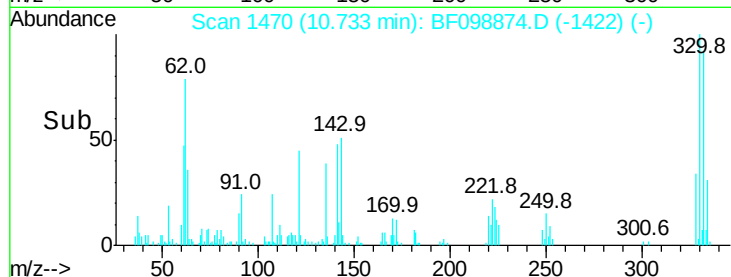
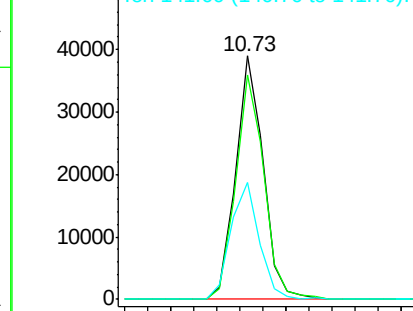
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 17.372 ng

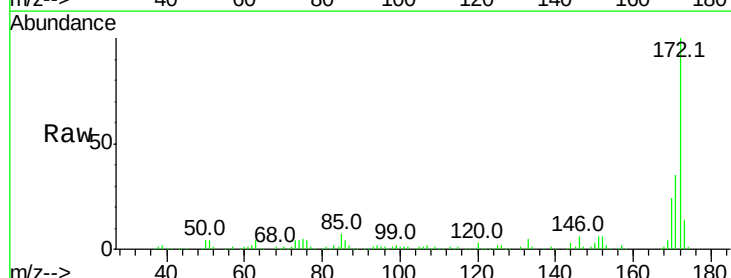
RT: 9.26 min Scan# 1220

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

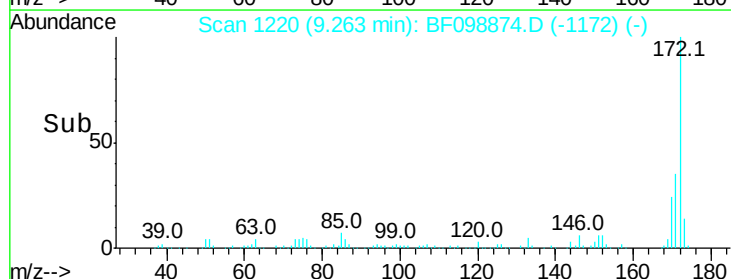
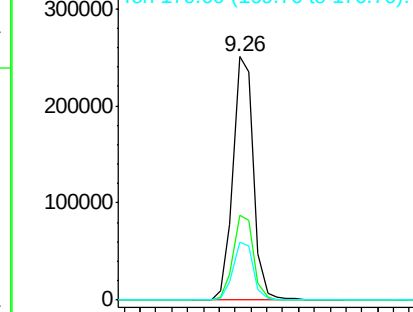
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	29.7	44.5	
170	24.1	19.6	29.4	

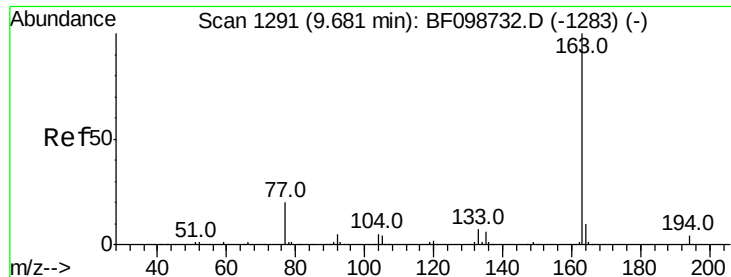


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





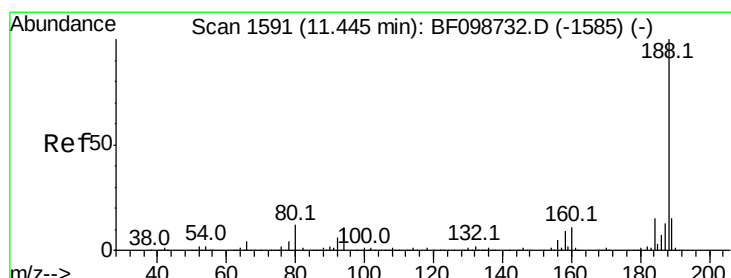
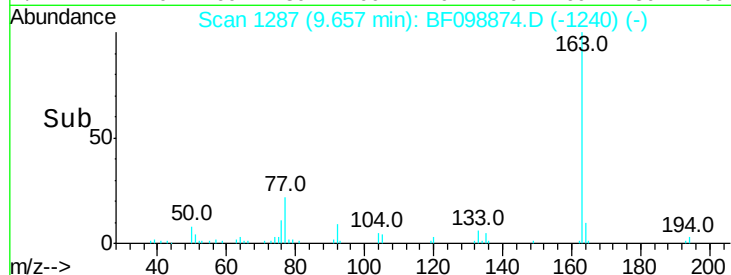
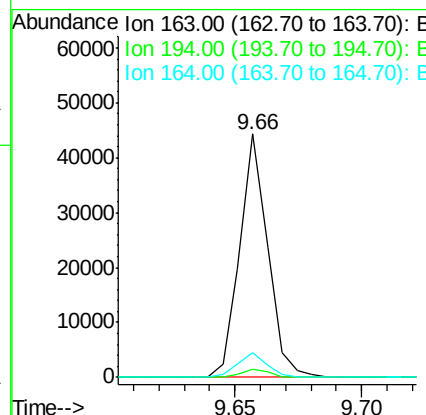
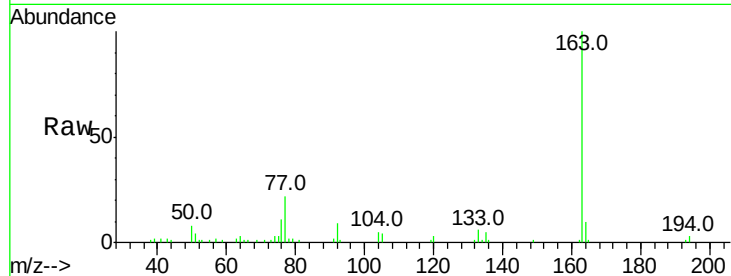
#49
 Dimethylphthalate
 Concen: 2.073 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. -0.02 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-092617

Tot Ion:	163	Resp:	33925
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	10.3	8.2	12.2

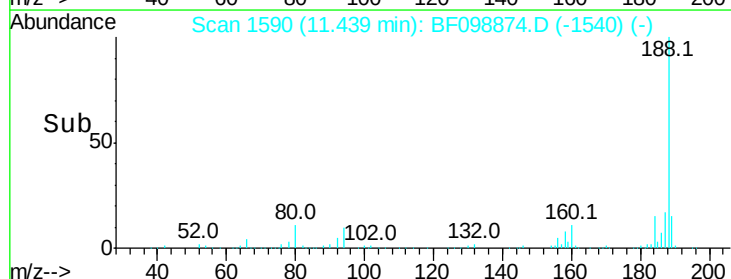
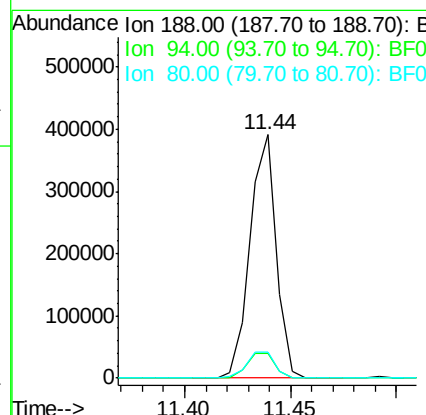
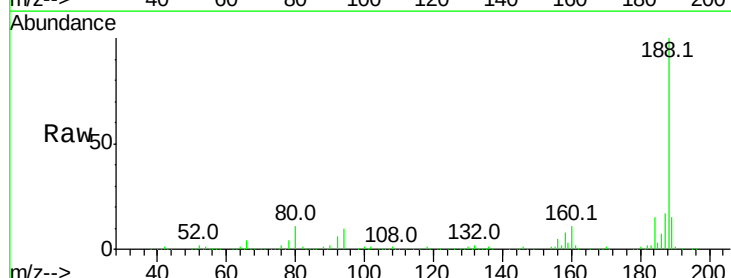
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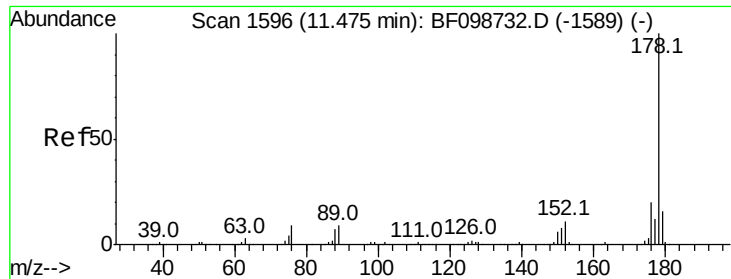
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Tgt Ion:	188	Resp:	335878
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.5	12.7
80	10.7	9.2	13.8





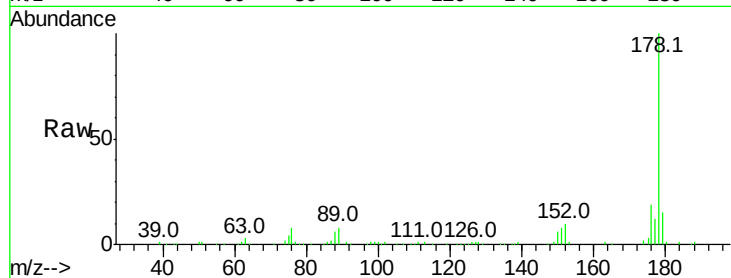
#70
Phenanthrene
Concen: 6.942 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

Instrument :
BNA_F
ClientSampleId :
BU-02-092617

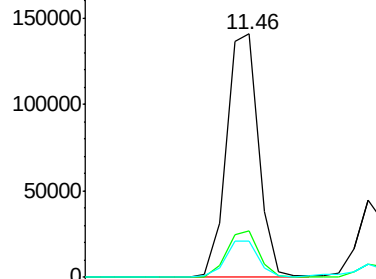
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.7	13.0	19.6

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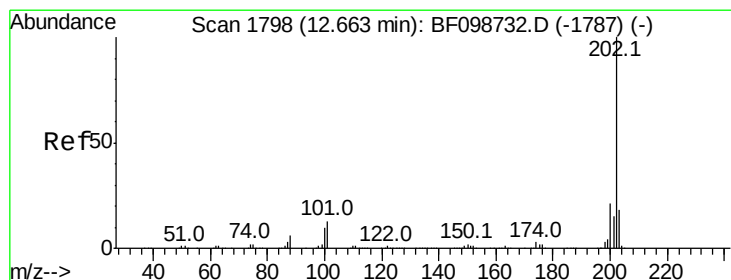
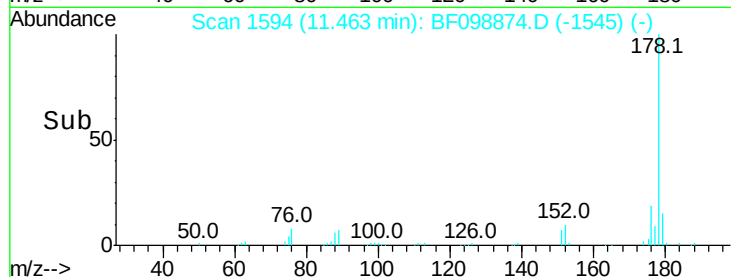
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



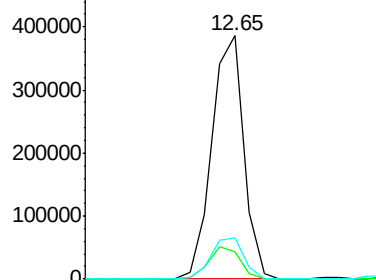
Time--> 11.40 11.45 11.50



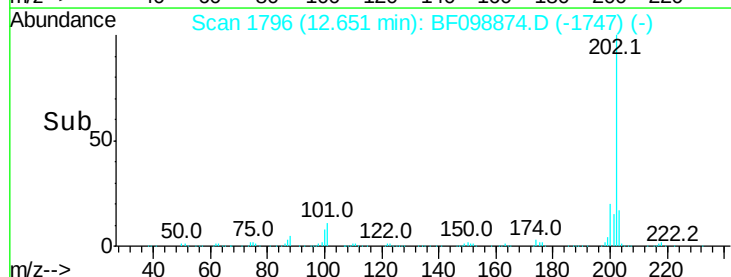
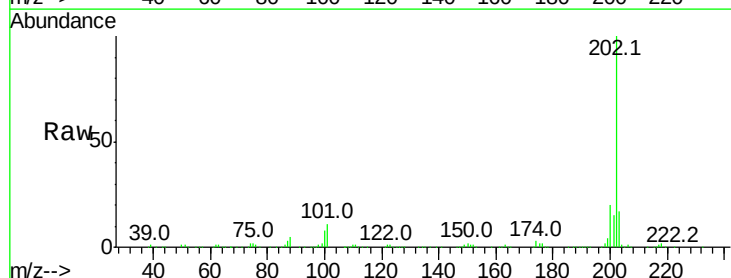
#74
Fluoranthene
Concen: 18.537 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

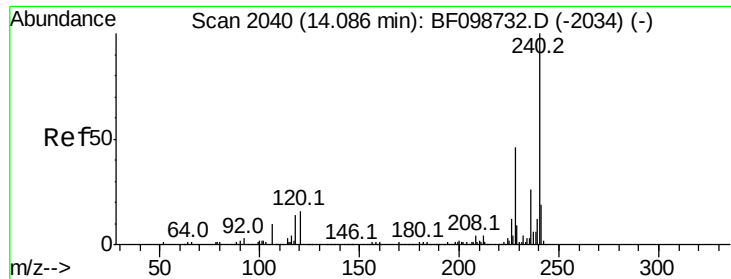
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.1	0.0	38.1

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



Time--> 12.60 12.65





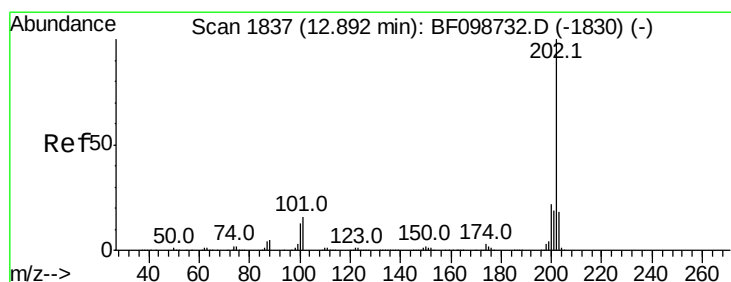
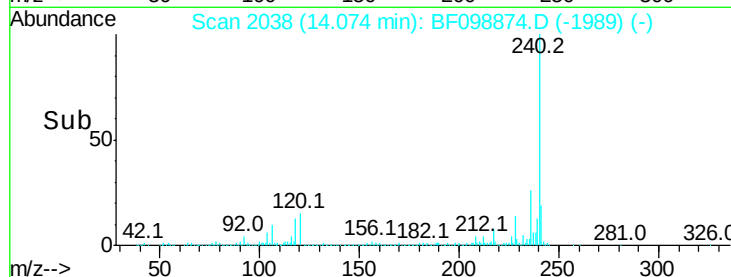
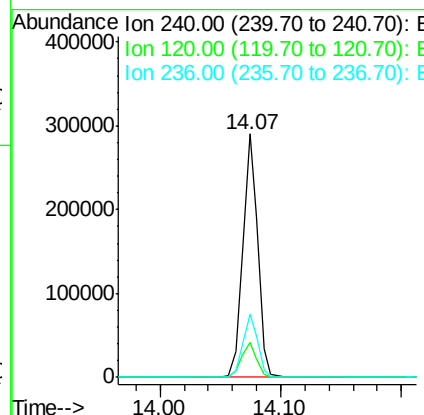
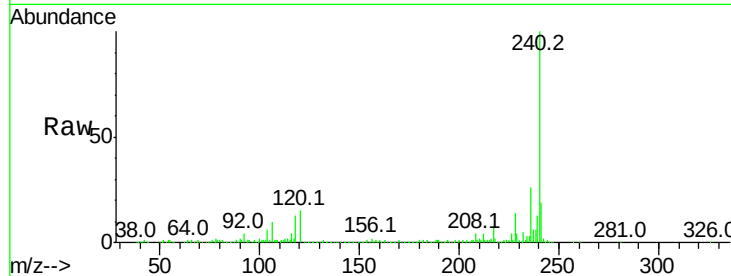
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-092617

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.6	9.5	14.3#	
236	25.8	20.7	31.1	

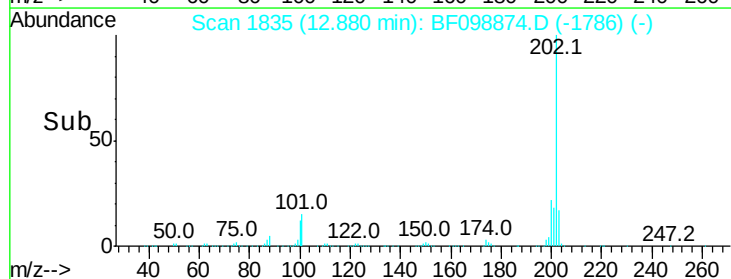
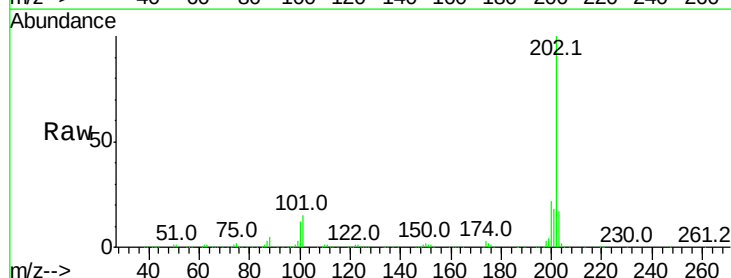
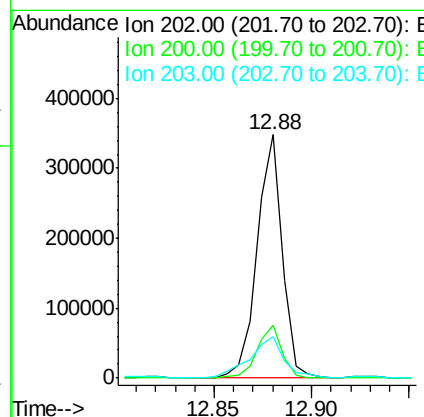
Manual Integrations
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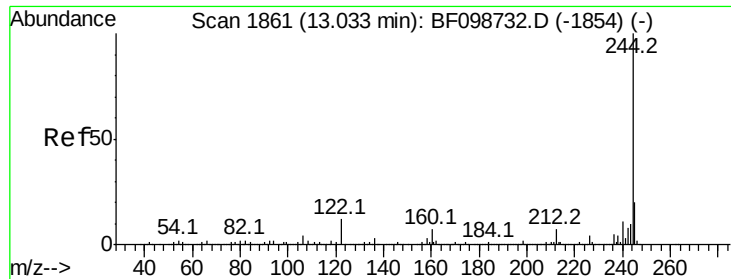
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#77
 Pyrene
 Concen: 16.226 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	17.4	26.2	
203	16.9	14.3	21.5	





#78

Terphenyl-d14

Concen: 12.831 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

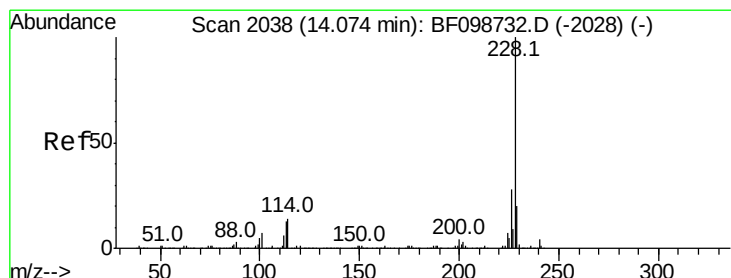
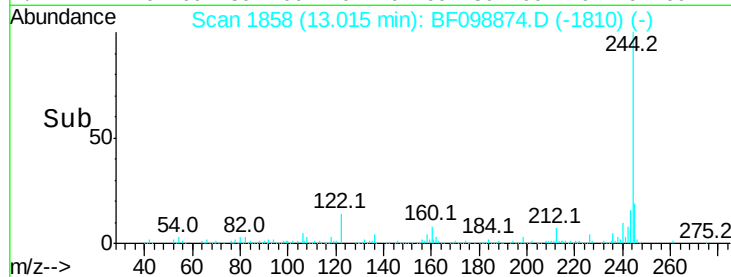
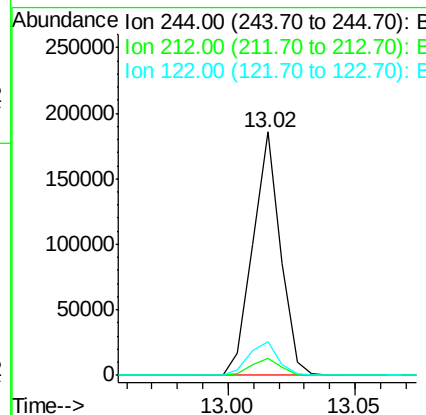
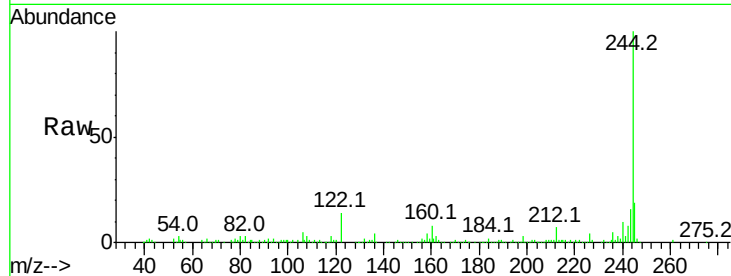
ClientSampled :

BU-02-092617

Tot Ion:	244	Resp:	140833
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	13.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 11.337 ng

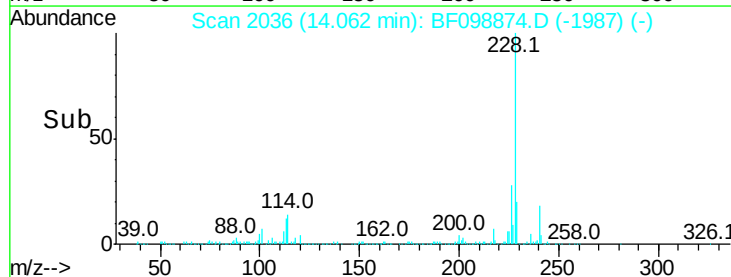
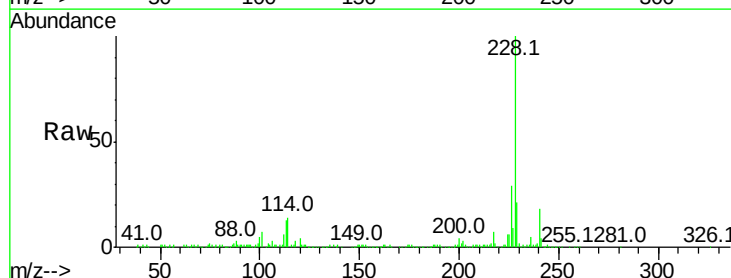
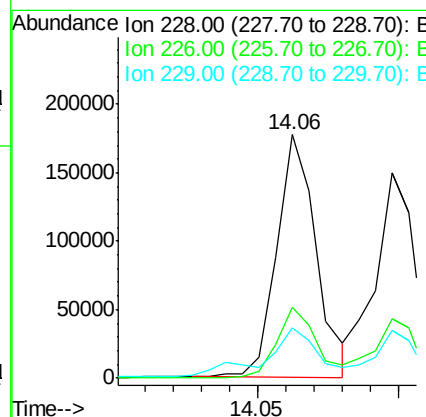
RT: 14.06 min Scan# 2036

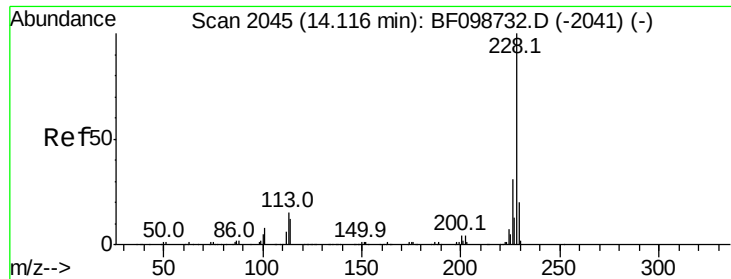
Delta R.T. -0.01 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Tgt Ion:	228	Resp:	171362
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.6	33.8
229	20.7	15.8	23.6





#82

Chrysene

Concen: 9.981 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

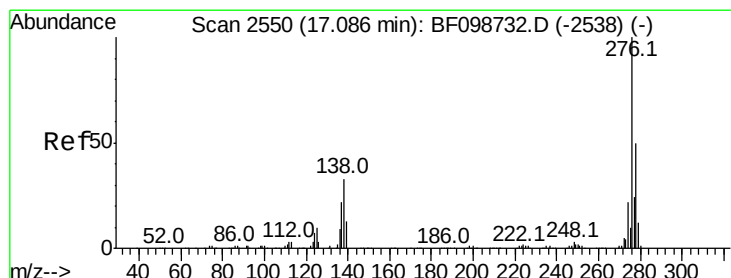
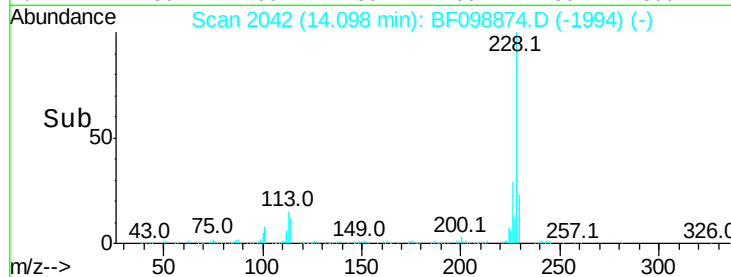
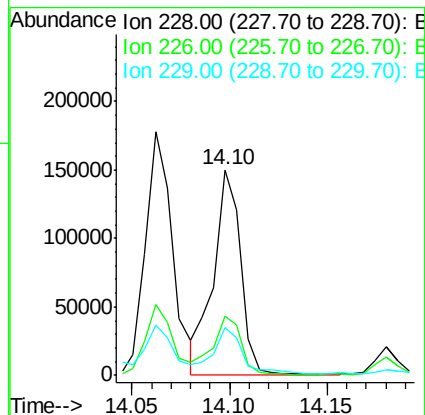
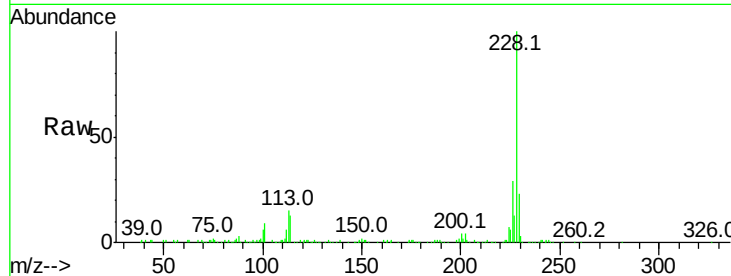
ClientSampleId :

BU-02-092617

Tot Ion:	228	Resp:	143621
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.0	37.6
229	23.1	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.700 ng

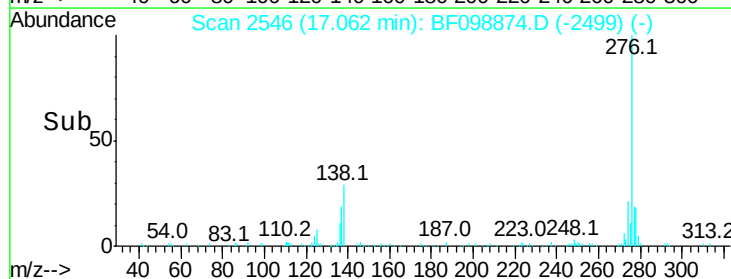
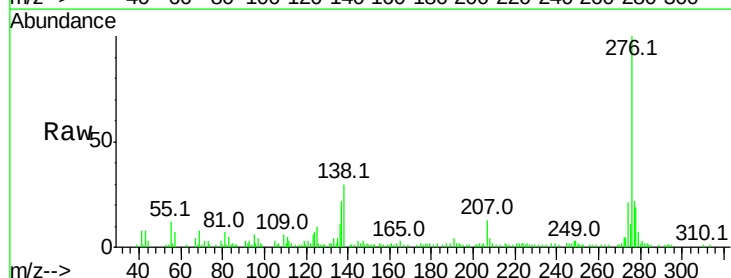
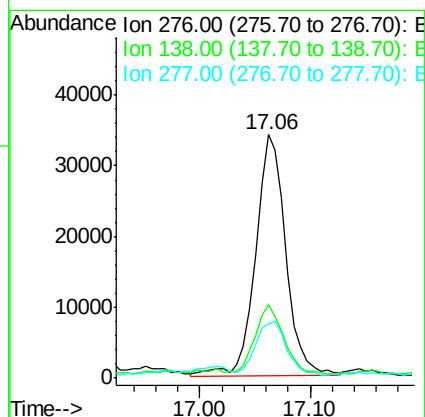
RT: 17.06 min Scan# 2546

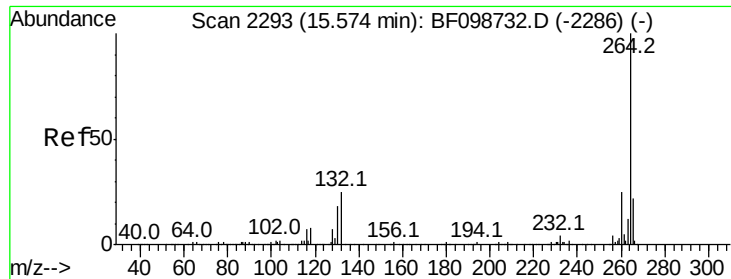
Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Tgt Ion:	276	Resp:	65610
Ion Ratio	Lower	Upper	
276	100		
138	28.1	25.0	37.6
277	22.6	20.1	30.1





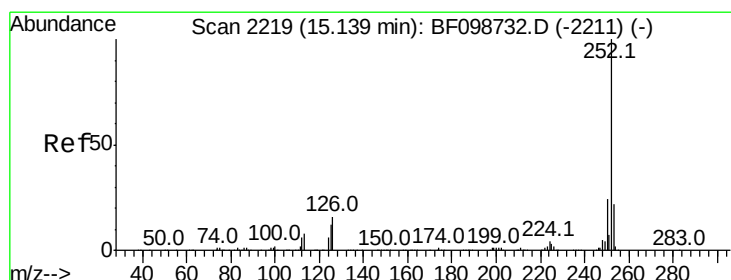
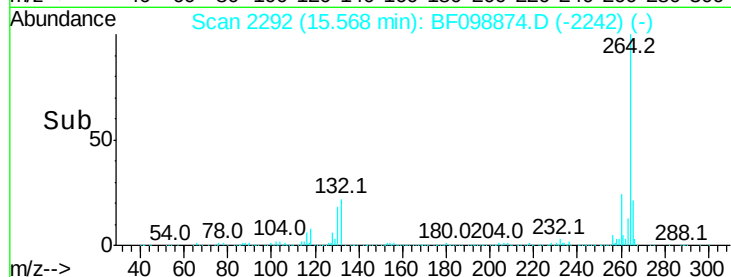
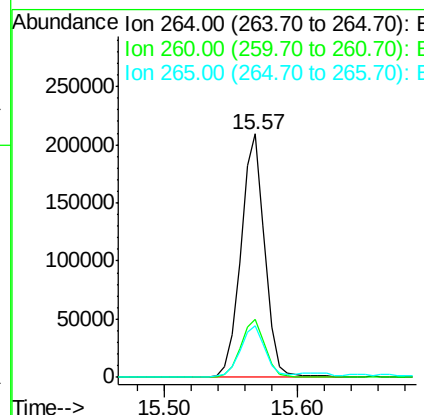
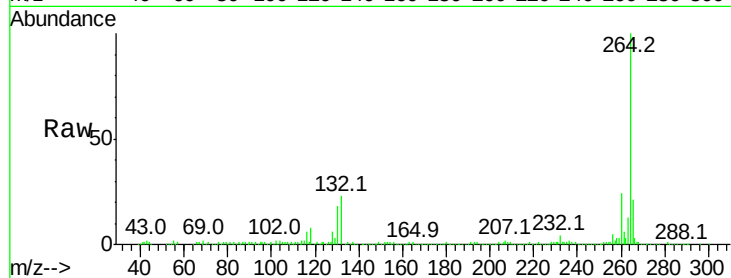
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

Instrument :
BNA_F
ClientSampleId :
BU-02-092617

Tot Ion	Ratio	Resp	Lower	Upper
264	100	256681		
260	24.0	19.2	28.8	
265	21.3	17.5	26.3	

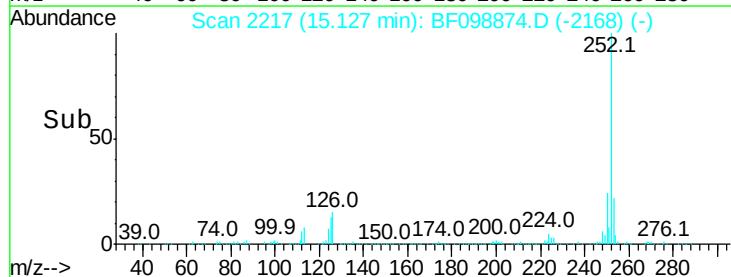
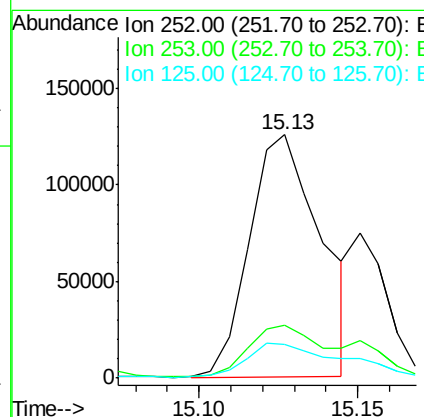
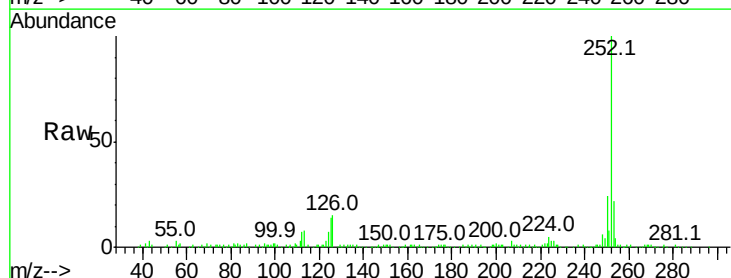
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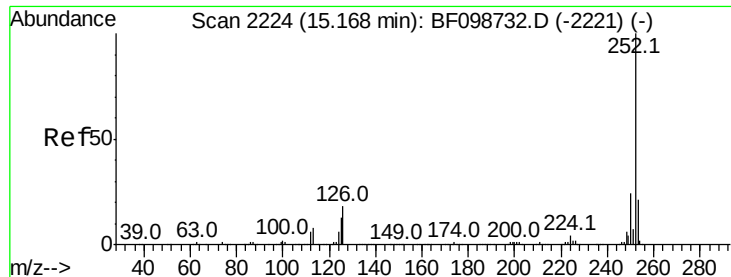
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#87
Benzo(b)fluoranthene
Concen: 12.446 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098874.D
Acq: 27 Sep 2017 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	196424		
253	21.9	17.0	25.6	
125	14.0	9.0	13.6	





#88

Benzo(k)fluoranthene

Concen: 3.821 ng/mL

RT: 15.15 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Instrument :

BNA_F

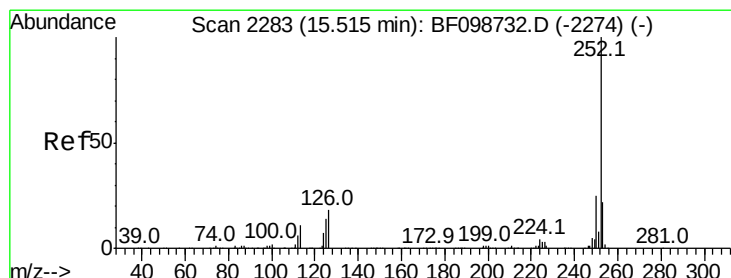
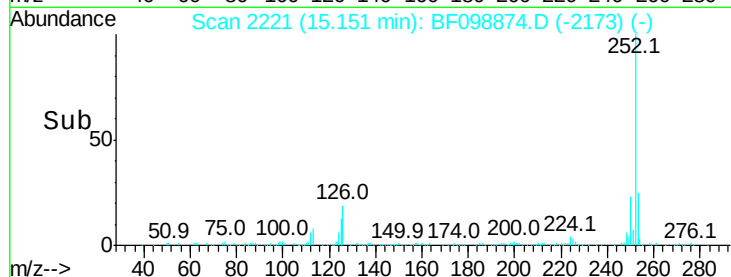
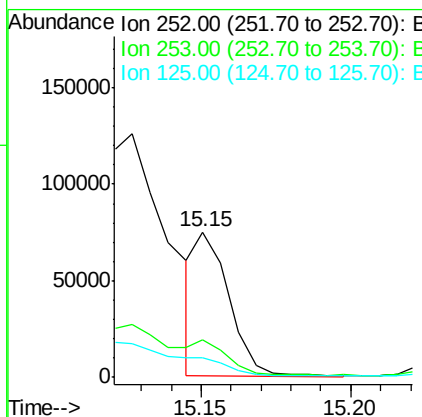
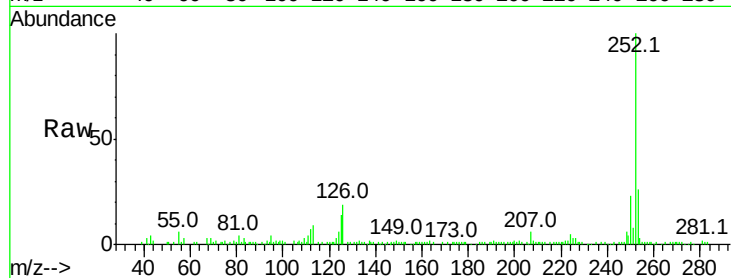
ClientSampleId :

BU-02-092617

Tot Ion:	252	Resp:	59567
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.9	26.9
125	13.9	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 9.557 ng/mL

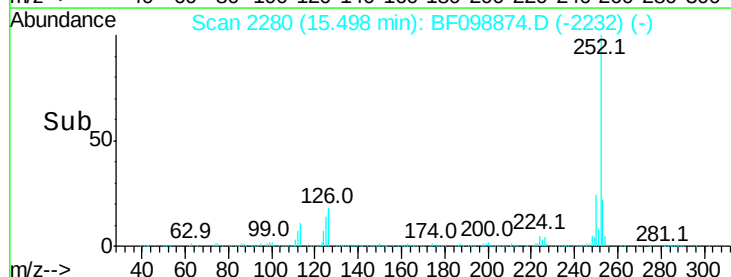
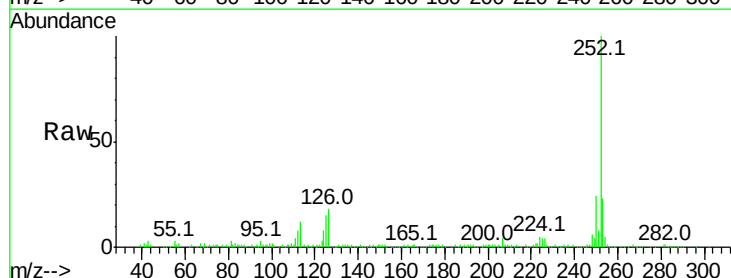
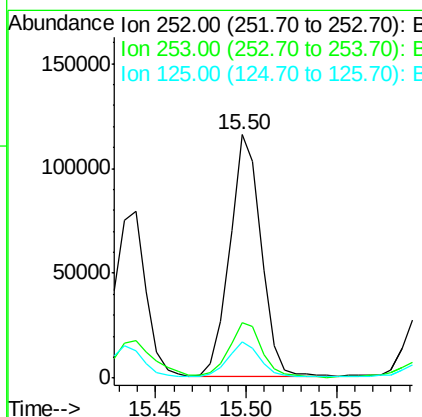
RT: 15.50 min Scan# 2280

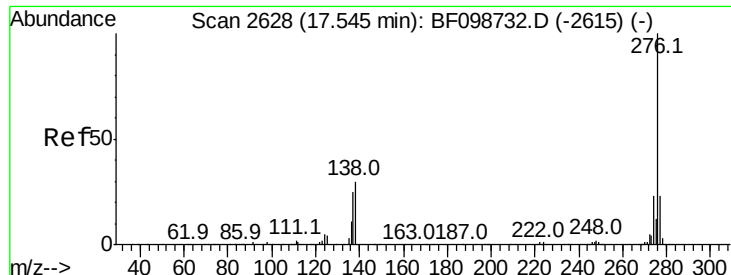
Delta R.T. -0.02 min

Lab File: BF098874.D

Acq: 27 Sep 2017 20:35

Tgt Ion:	252	Resp:	138448
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.1	25.7
125	14.9	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 5.039 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: BF098874.D
 Acq: 27 Sep 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-092617

Tot Ion:	276	Resp:	57752
Ion Ratio	Lower	Upper	
276	100		
277	25.1	17.9	26.9
138	30.6	21.8	32.8

Manual Integrations
 APPROVED

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