

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098007.D
 Acq On : 24 Aug 2017 17:41
 Operator : SJ/JU
 Sample : I4924-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11975-COMP

Manual Integrations
 APPROVED

Sohil
 8/25/2017 5:40:05 PM

Quant Time: Aug 25 01:46:46 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	6.74	152	111792	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	443924	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	196078	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	381373	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	288331	20.00	ng	-0.01
86) Perylene-d12	15.30	264	240716	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1032308	140.46	ng	0.00
7) Phenol-d6	6.37	99	1428013	143.00	ng	-0.01
23) Nitrobenzene-d5	7.30	82	870886	106.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	261039	153.44	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1258718	94.32	ng	-0.01
78) Terphenyl-d14	12.85	244	1091340	78.93	ng	0.00
Target Compounds						
10) Phenol	6.39	94	33511	2.869	ng	97
49) Dimethylphthalate	9.49	163	143696	10.026	ng	99
70) Phenanthrene	11.27	178	149506	7.357	ng	99
74) Fluoranthene	12.46	202	410338	19.345	ng	99
77) Pyrene	12.69	202	365664	15.506	ng	98
80) Benzo(a)anthracene	13.87	228	180348	10.436	ng	98
82) Chrysene	13.91	228	171416	9.972	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	116737m	9.231	ng	
87) Benzo(b)fluoranthene	14.90	252	252429m	16.637	ng	
88) Benzo(k)fluoranthene	14.92	252	67272m	4.719	ng	
89) Benzo(a)pyrene	15.24	252	154124	11.474	ng	98
90) Dibenzo(a,h)anthracene	16.67	278	27877m	2.549	ng	
91) Benzo(a,h,i)perylene	17.08	276	101502	8.896	ng	# 91

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

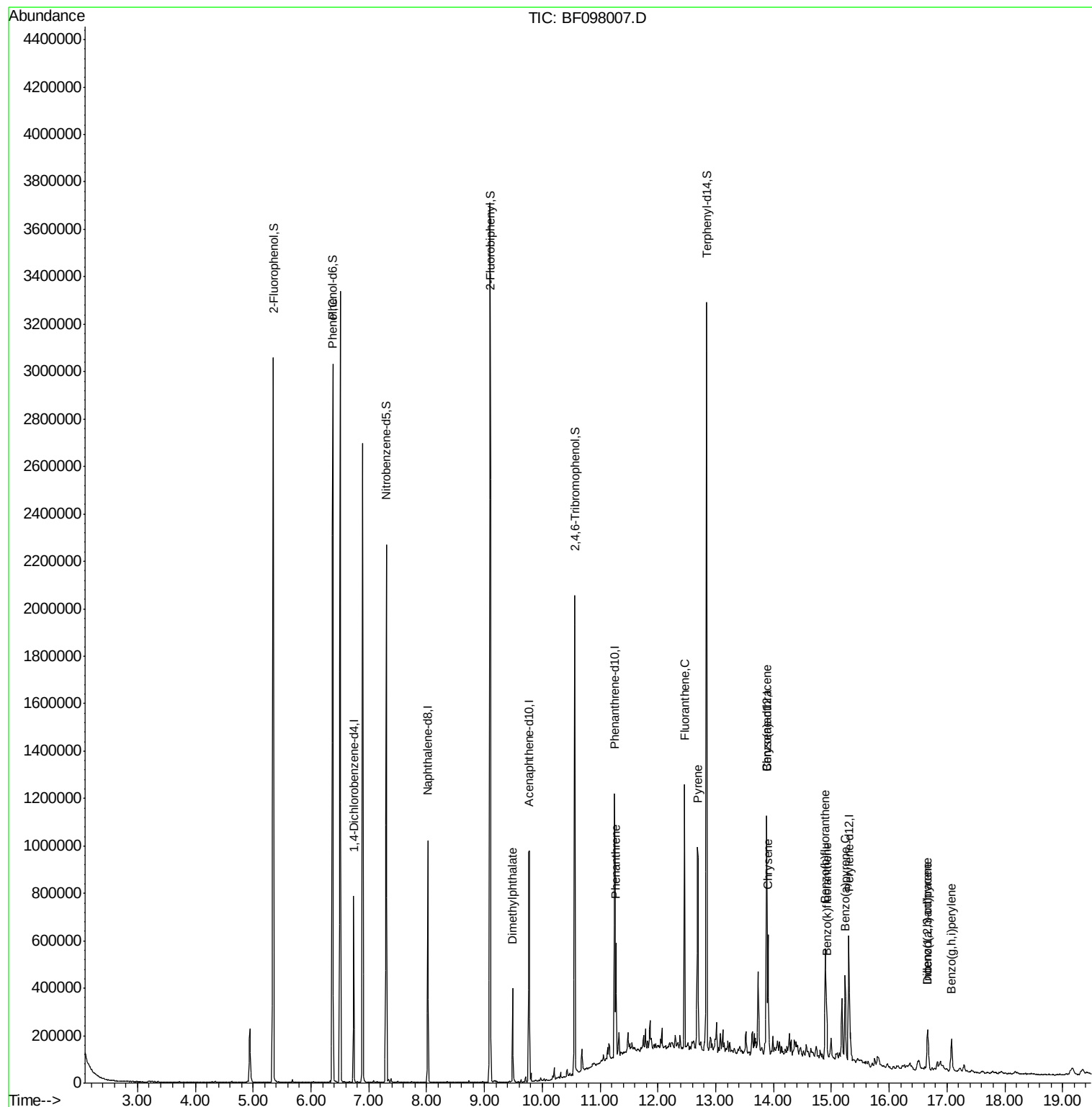
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
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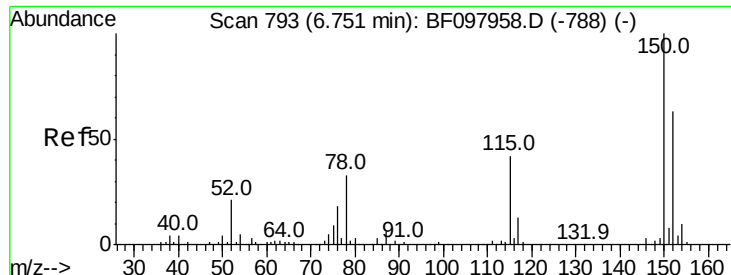
Instrument :
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#1

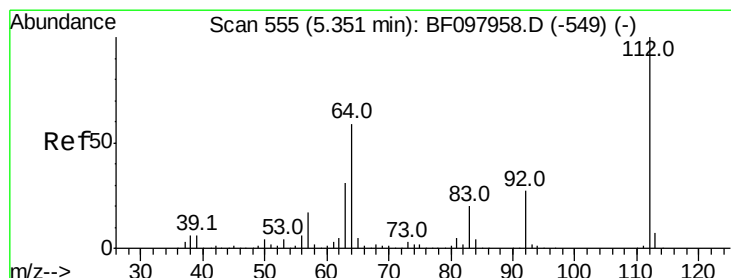
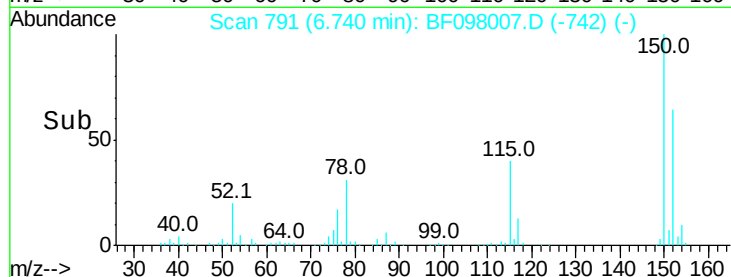
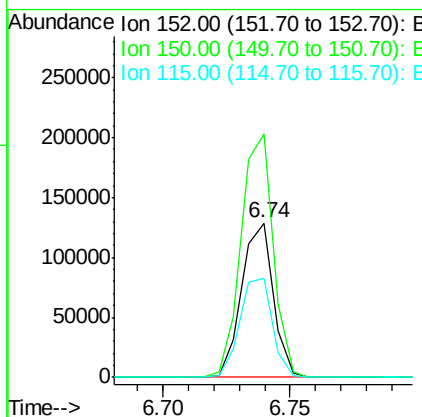
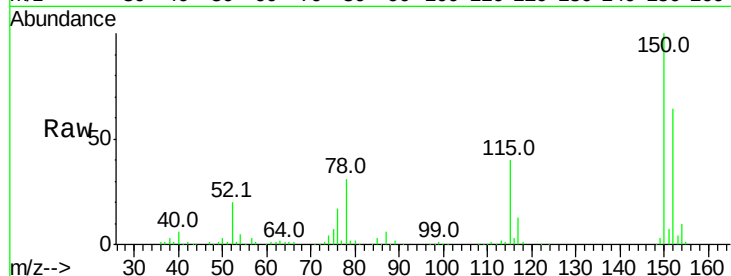
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.2	189.2
115	63.6	52.2	78.2

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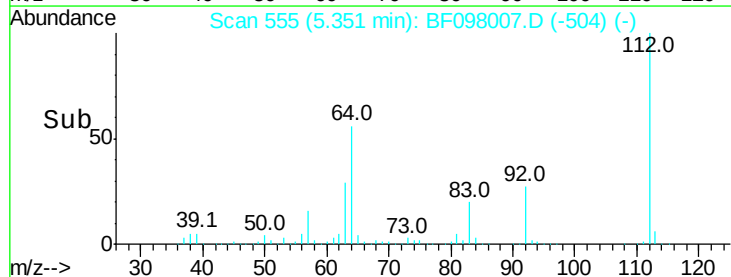
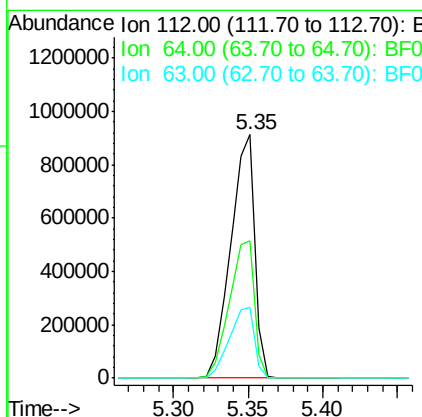
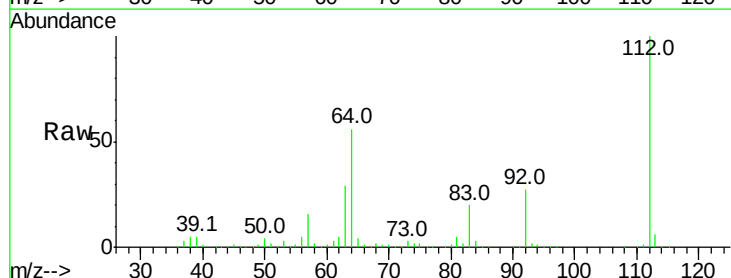
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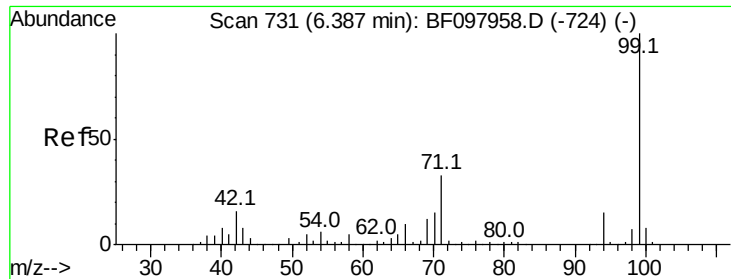


#5

2-Fluorophenol
Concen: 140.459 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.0	69.0
63	29.0	23.4	35.0





#7

Phenol-d6

Concen: 143.003 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Instrument :

BNA_F

ClientSampleId :

72-11975-COMP

Tot Ion: 99 Resp: 1428013

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

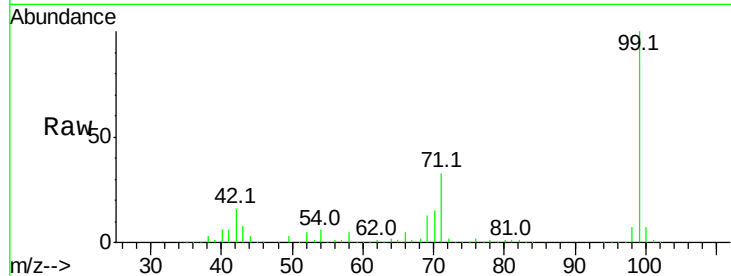
71 33.0 24.5 36.7

Manual Integrations

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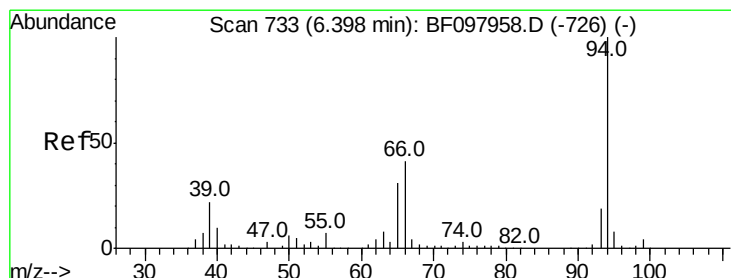
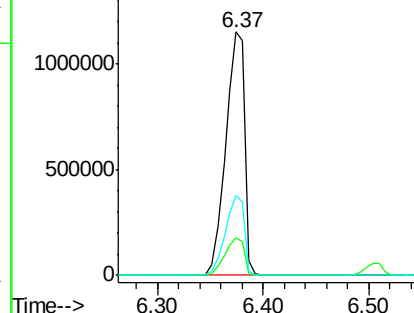
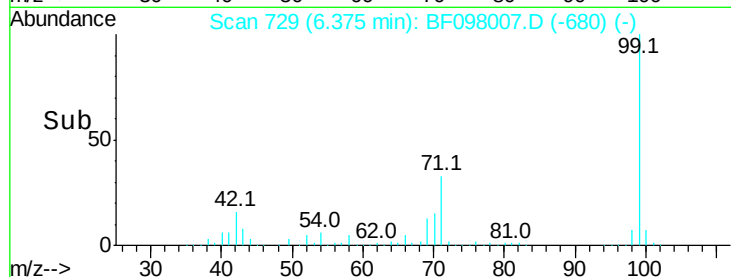
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.869 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

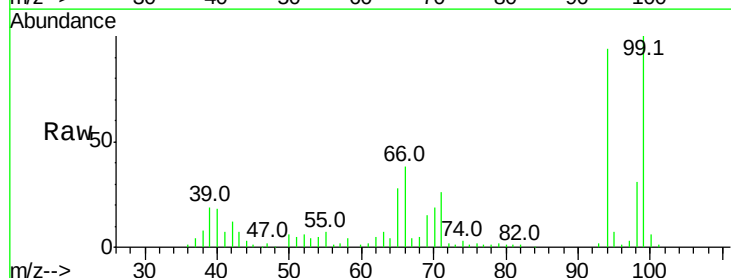
Tgt Ion: 94 Resp: 33511

Ion Ratio Lower Upper

94 100

65 29.6 9.9 49.9

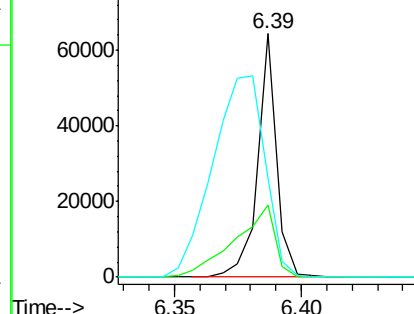
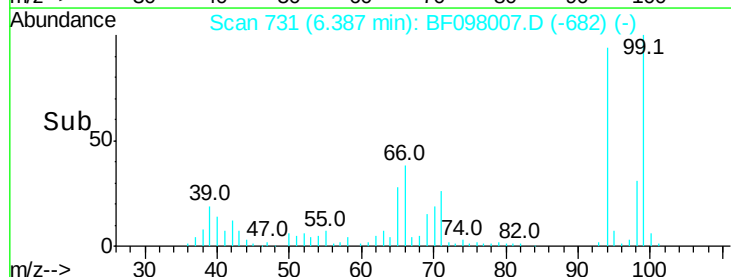
66 40.5 23.1 63.1

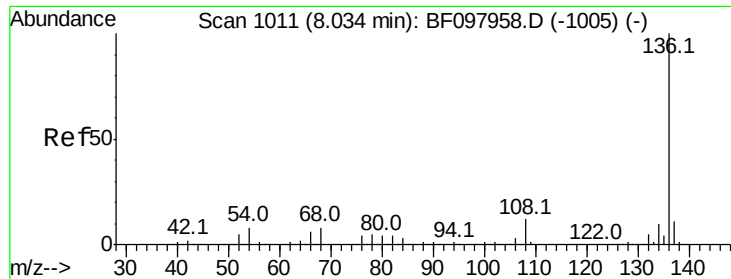


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





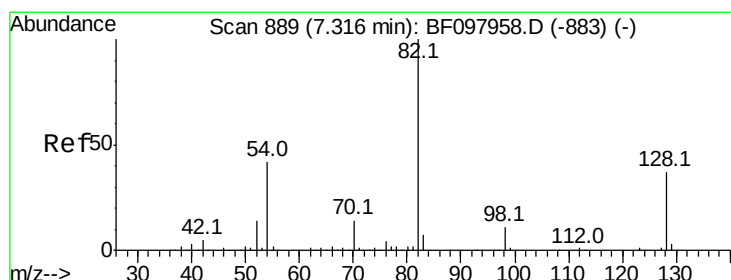
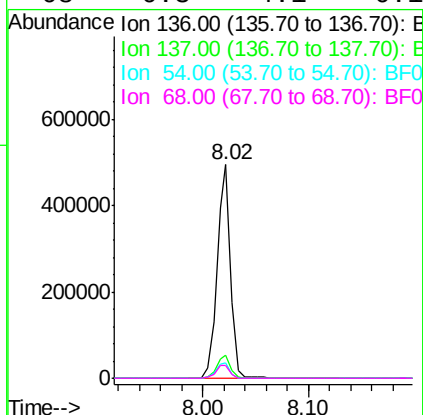
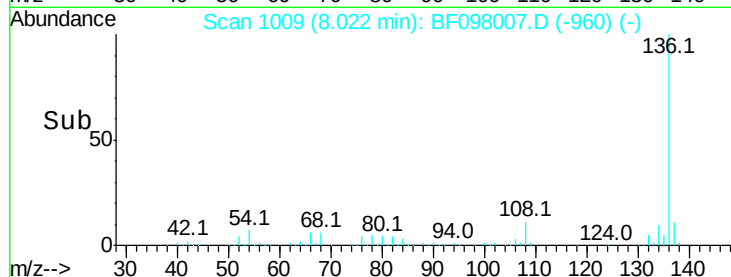
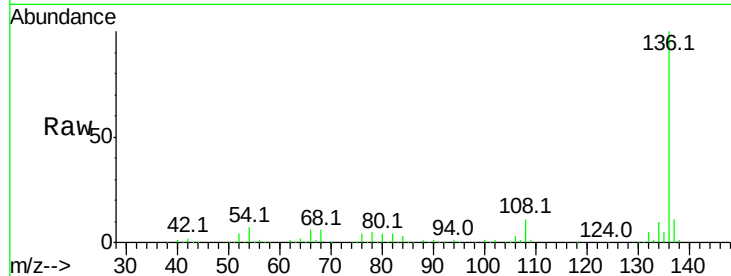
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.5	12.7	
54	7.1	4.9	7.3	
68	6.3	4.1	6.1	

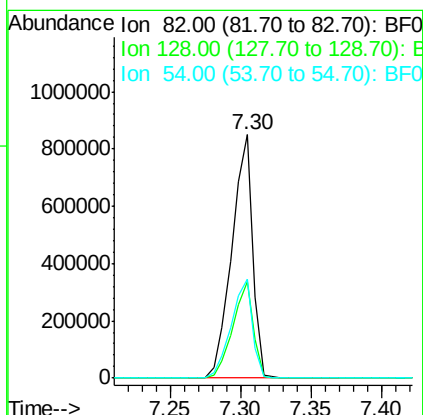
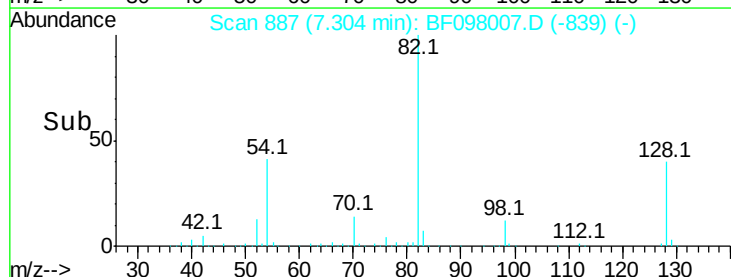
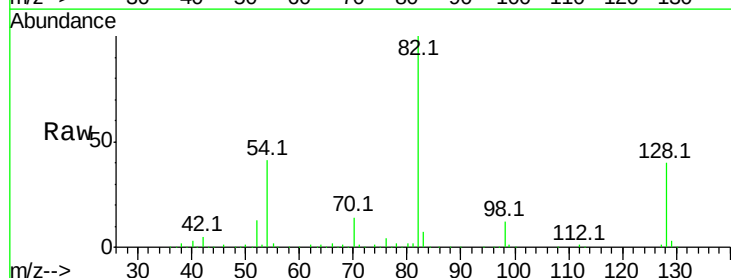
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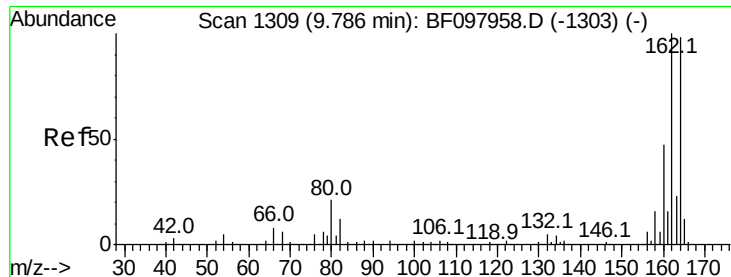
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#23
Nitrobenzene-d5
Concen: 106.573 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.7	34.0	51.0	
54	40.9	42.2	63.2	





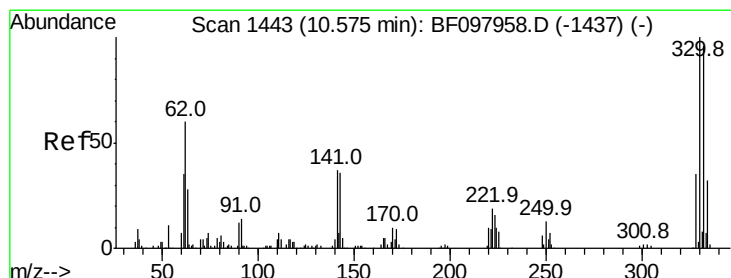
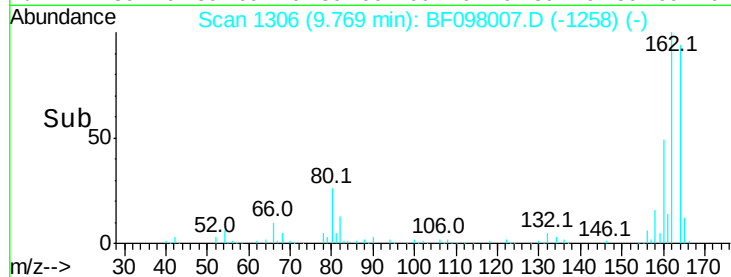
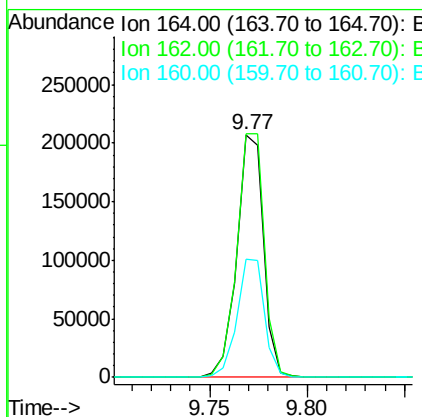
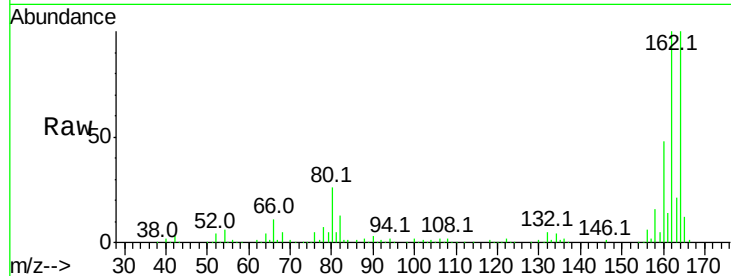
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098007.D
 Acq: 24 Aug 2017 17:41

Instrument :
 BNA_F
 ClientSampleId :
 72-11975-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	196078		
162	100.1	82.6	123.8	
160	48.5	36.2	54.2	

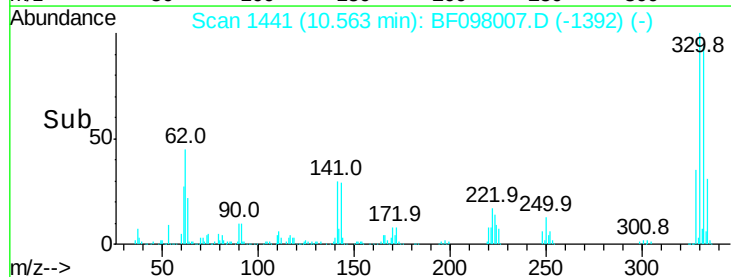
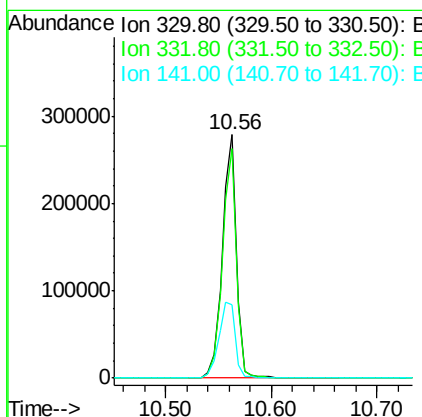
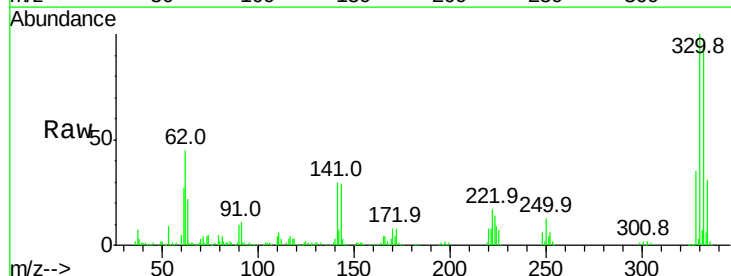
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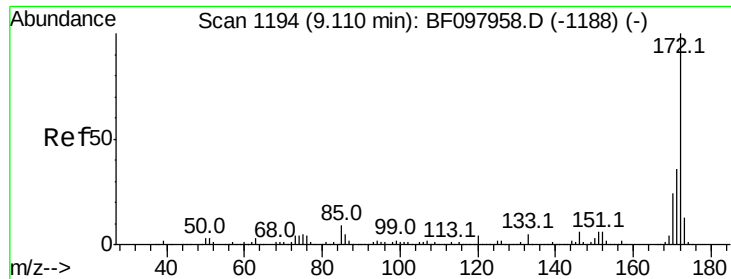
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#41
 2,4,6-Tribromophenol
 Concen: 153.435 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098007.D
 Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	261039		
332	94.2	76.6	115.0	
141	37.2	31.4	47.2	





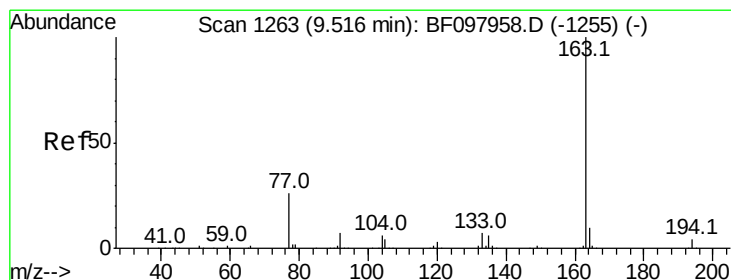
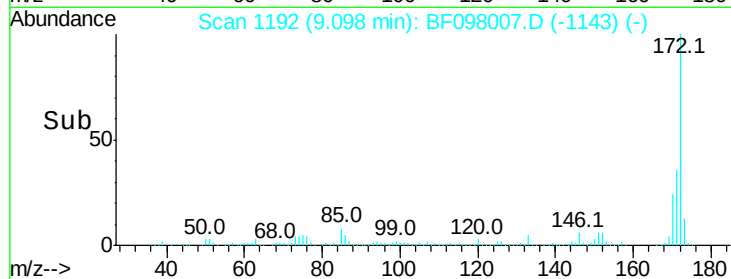
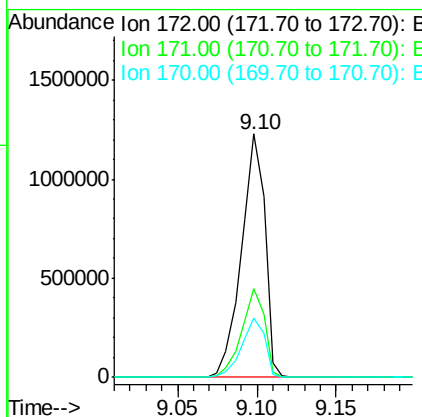
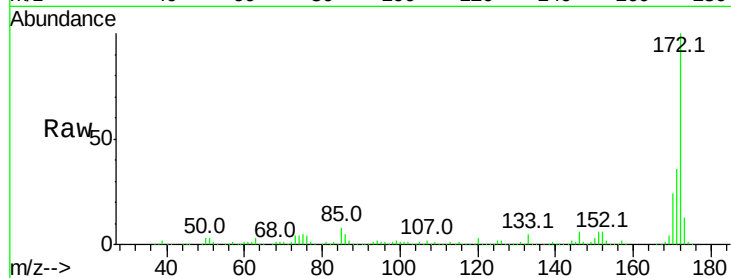
#44
2-Fluorobiphenyl
Concen: 94.315 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.5	19.8	29.8

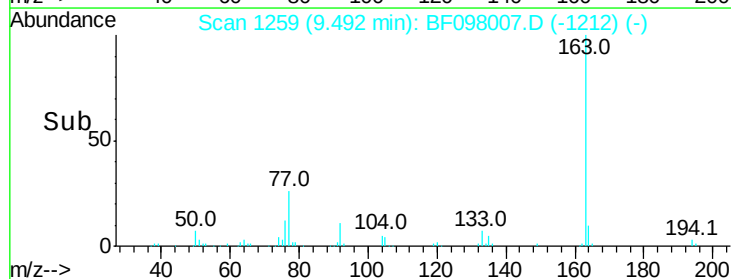
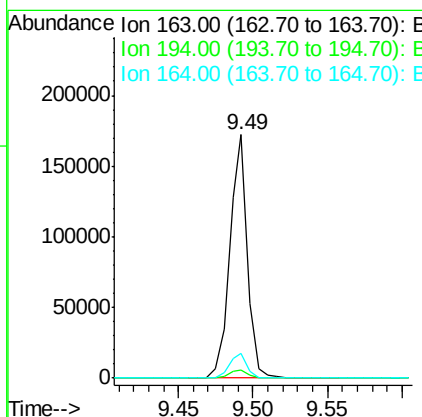
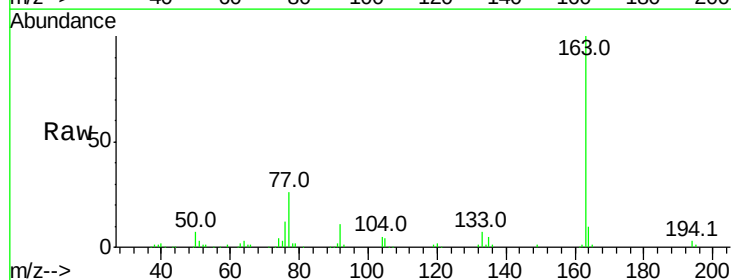
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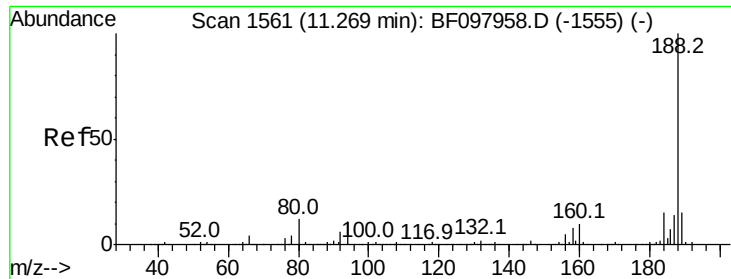
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#49
Dimethylphthalate
Concen: 10.026 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.1	8.4	12.6





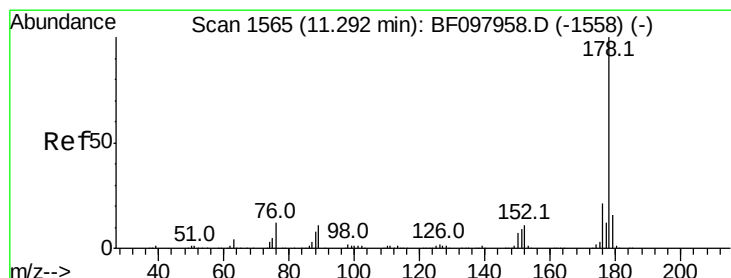
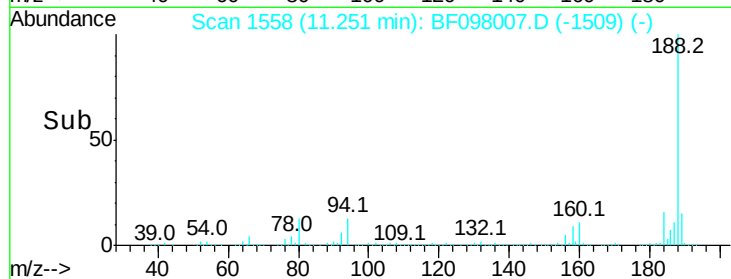
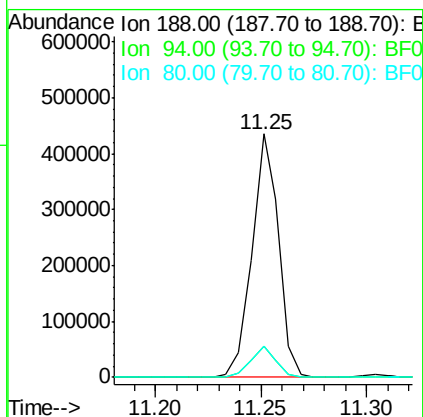
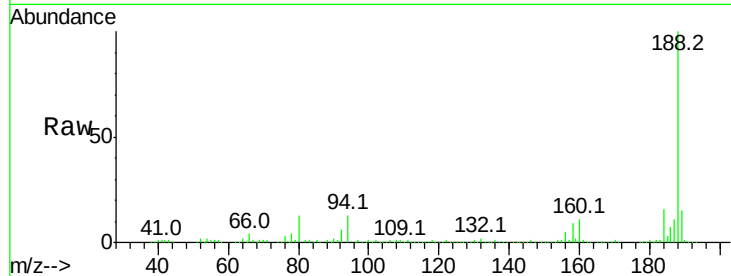
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098007.D
 Acq: 24 Aug 2017 17:41

Instrument :
 BNA_F
 ClientSampleId :
 72-11975-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.7	9.4	14.2	
80	12.9	10.2	15.2	

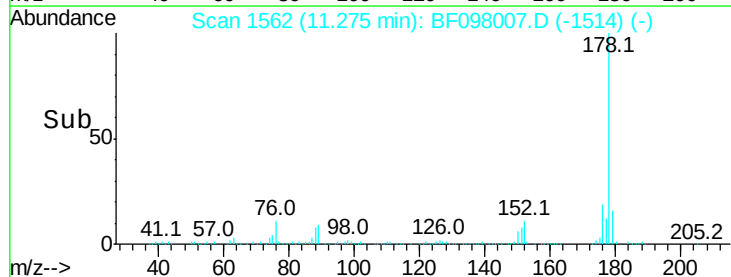
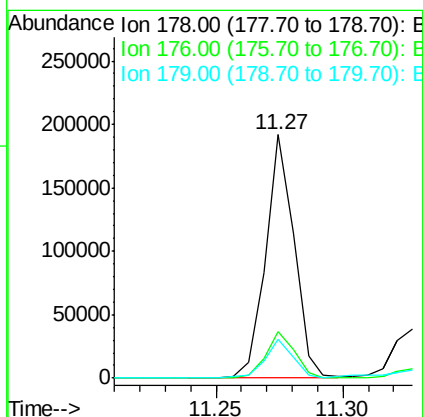
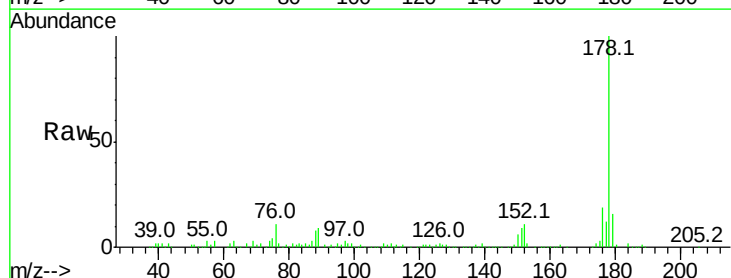
Manual Integrations
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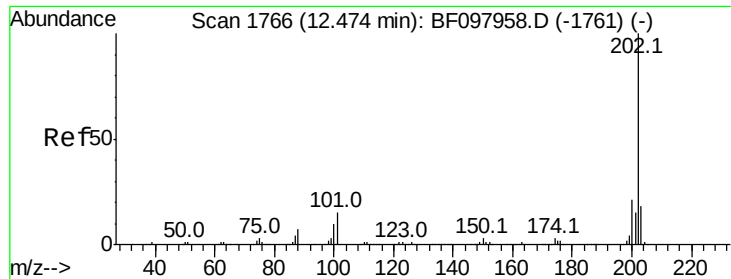
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#70
 Phenanthrene
 Concen: 7.357 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF098007.D
 Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.2	16.2	24.4	
179	15.9	12.6	19.0	





#74

Fluoranthene

Concen: 19.345 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Instrument :

BNA_F

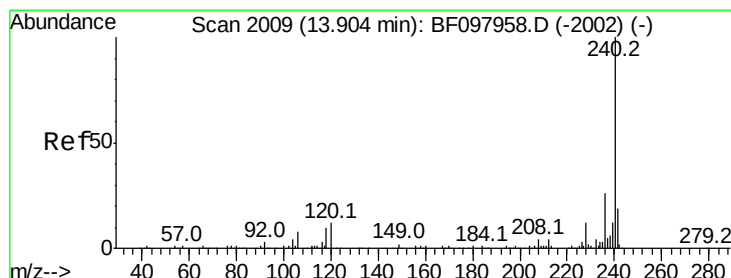
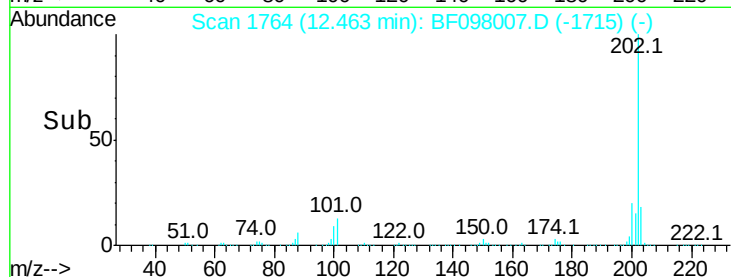
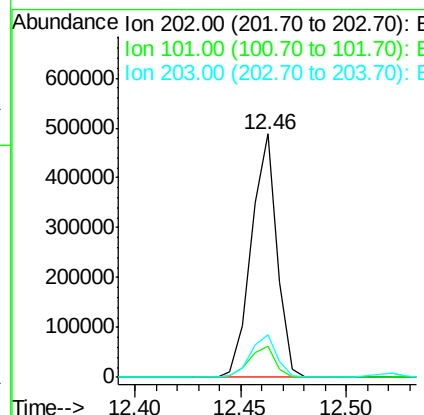
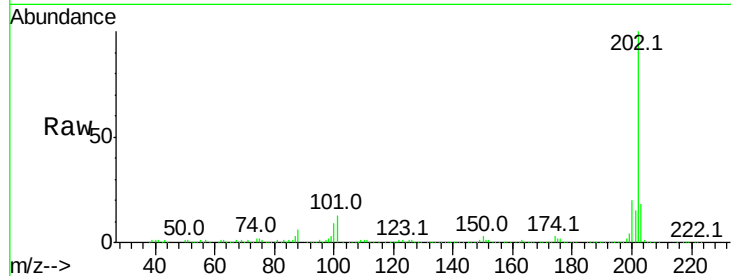
ClientSampleId :

72-11975-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	410338		
101	12.8	0.0	33.2	
203	17.6	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

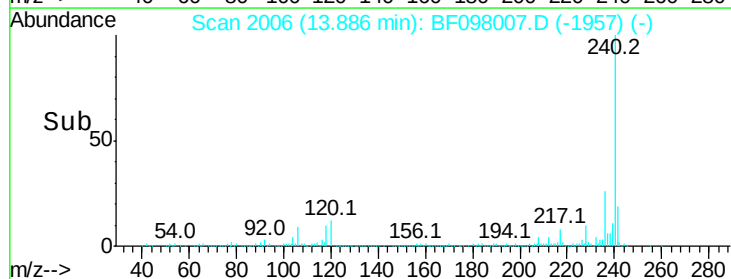
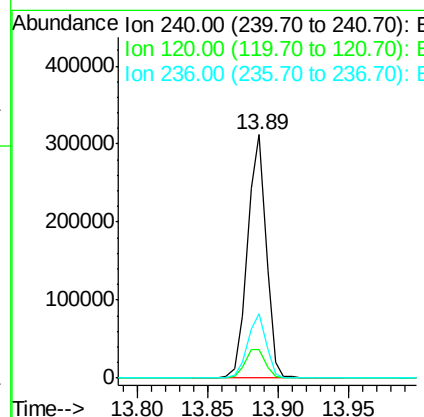
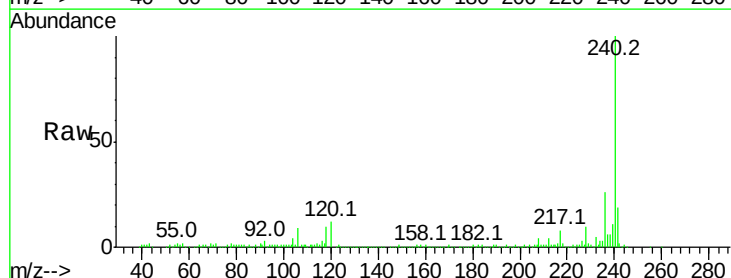
RT: 13.89 min Scan# 2006

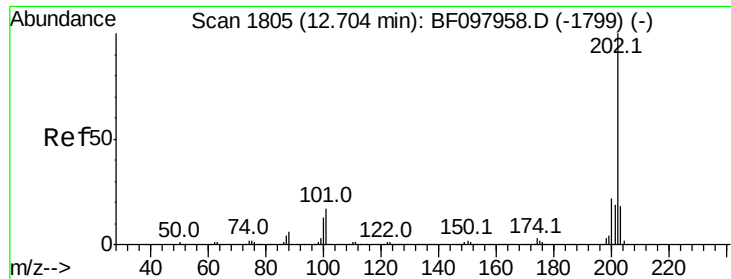
Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	288331		
120	11.9	5.8	8.8#	
236	26.3	20.5	30.7	





#77

Pvrene

Concen: 15.506 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

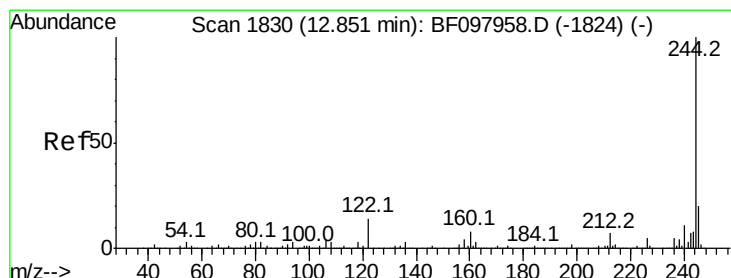
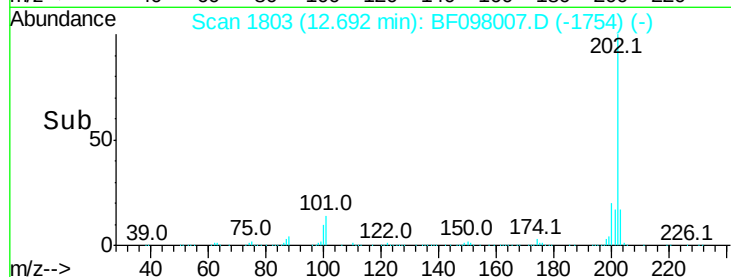
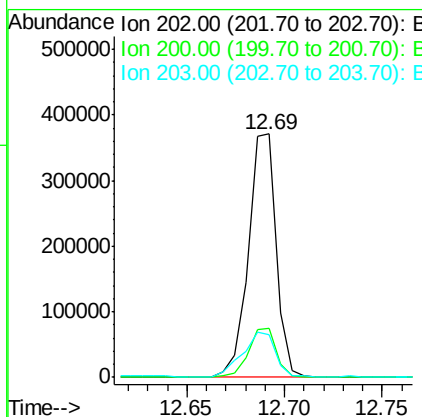
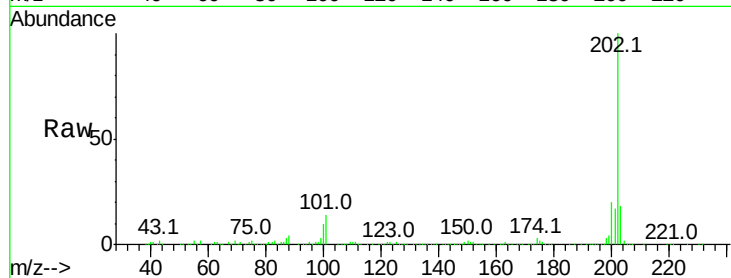
Instrument :
BNA_F

ClientSampleId :
72-11975-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	17.5	14.4	21.6

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#78

Terphenyl-d14

Concen: 78.930 ng

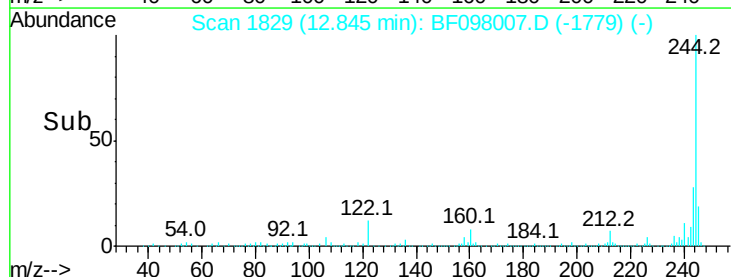
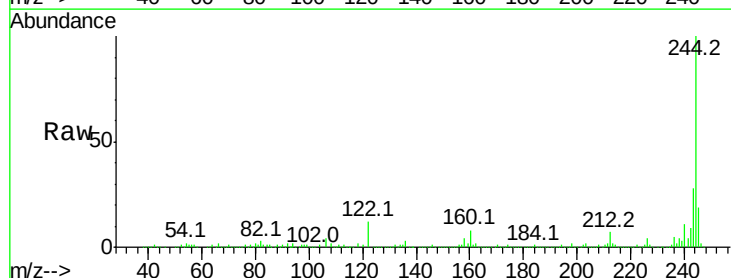
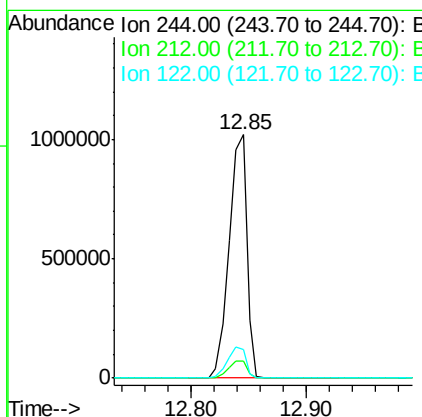
RT: 12.85 min Scan# 1829

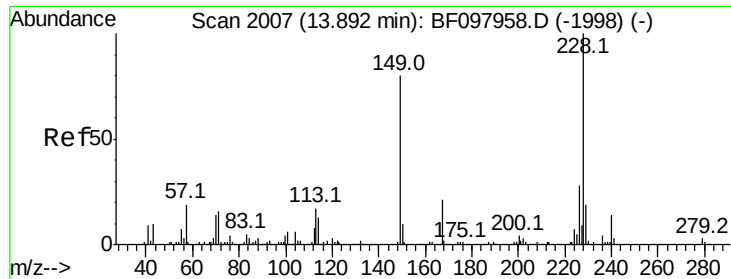
Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.7	10.3	15.5





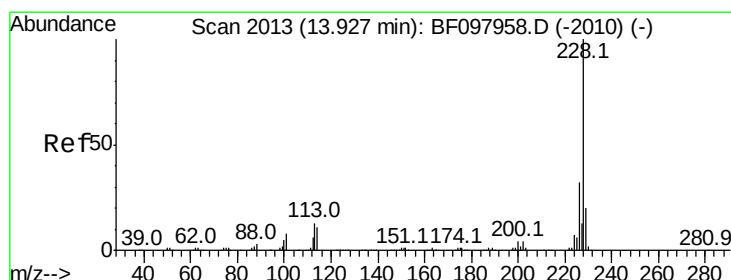
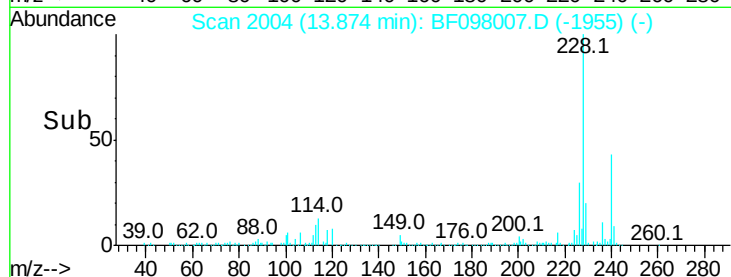
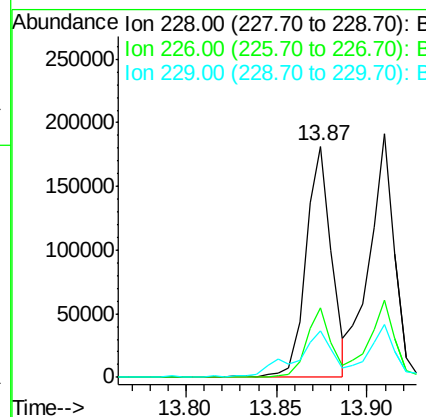
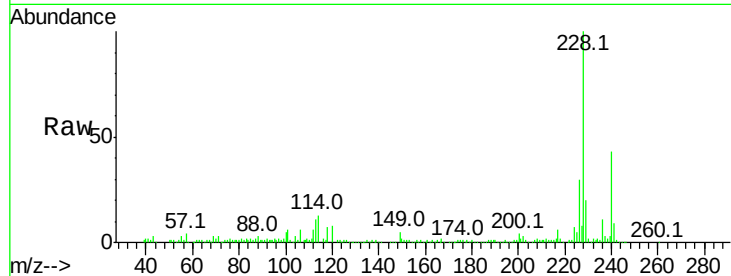
#80
Benzo(a)anthracene
Concen: 10.436 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.0	16.3	24.5

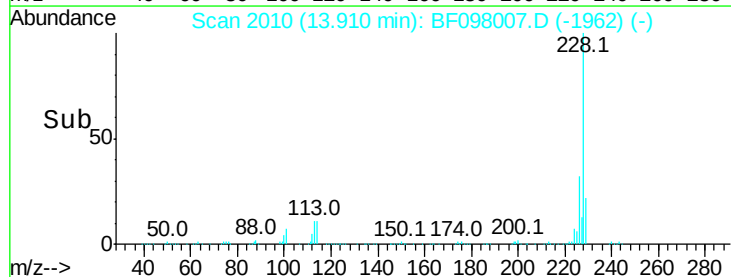
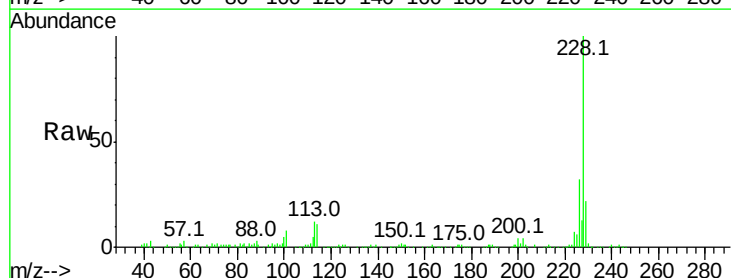
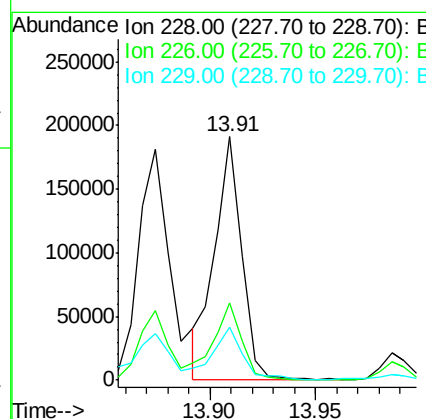
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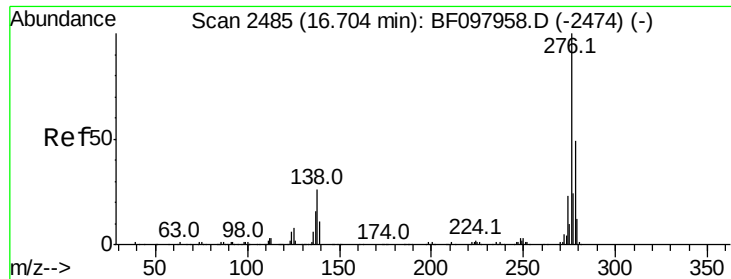
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#82
Chrysene
Concen: 9.972 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.9	37.3
229	22.0	15.8	23.6





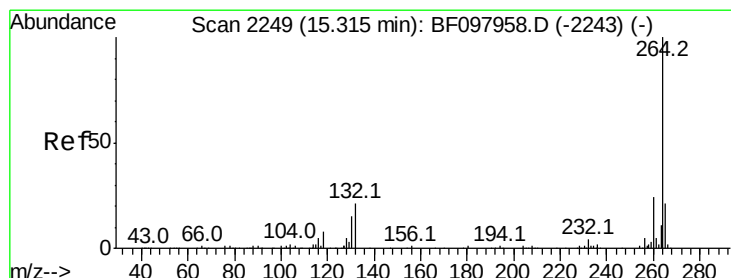
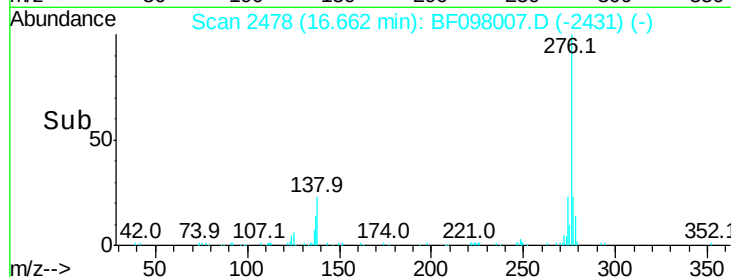
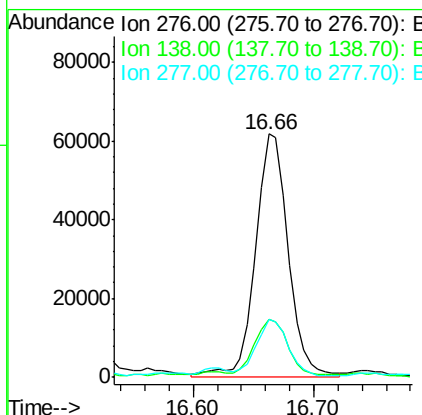
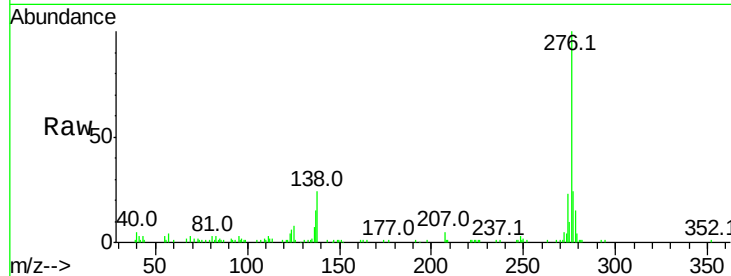
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.231 ng/ml
RT: 16.66 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	5.5	27.8	41.6#	
277	5.3	20.2	30.4#	

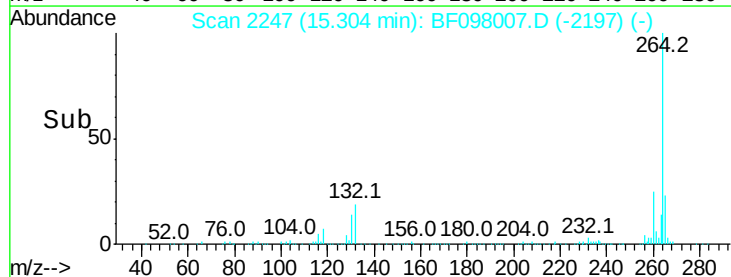
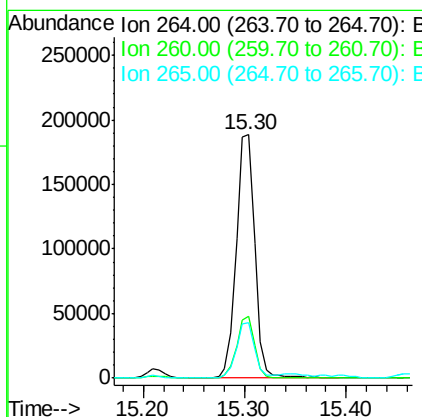
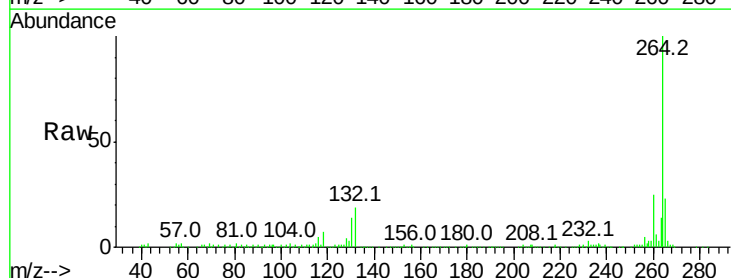
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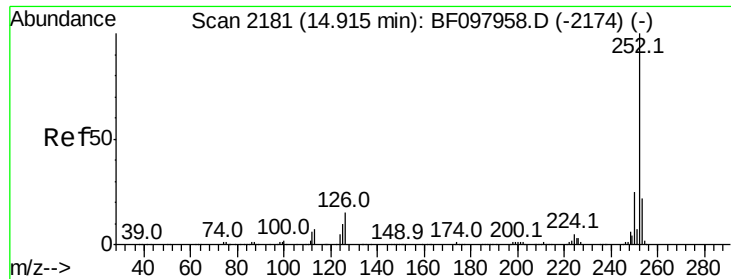
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.4	19.5	29.3	
265	22.9	17.2	25.8	





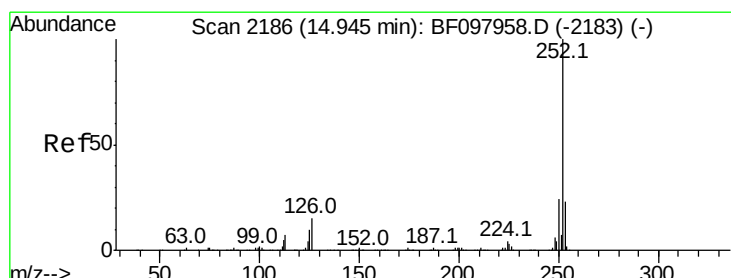
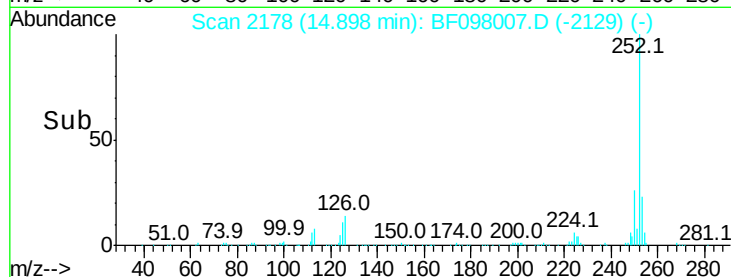
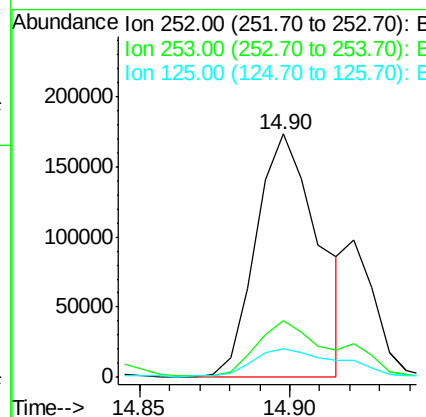
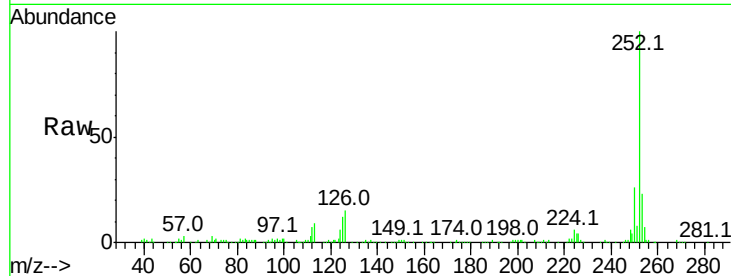
#87
Benzo(b)fluoranthene
Concen: 16.637 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.6	9.8	14.8

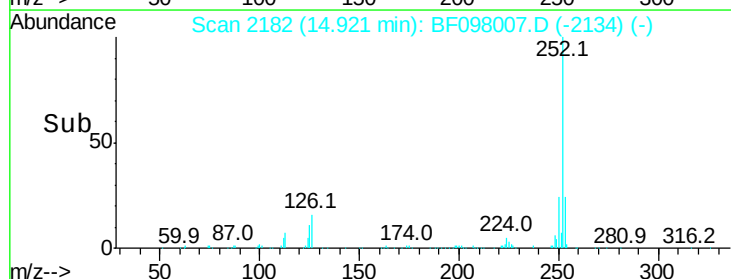
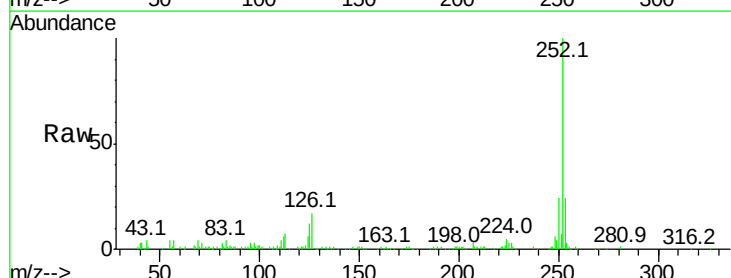
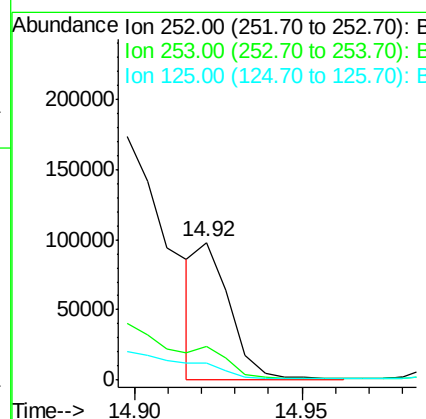
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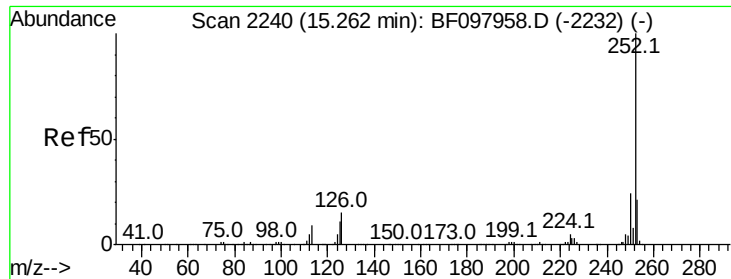
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#88
Benzo(k)fluoranthene
Concen: 4.719 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.4	27.6
125	12.3	13.1	19.7





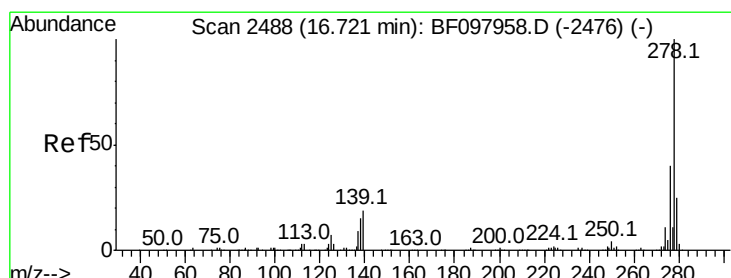
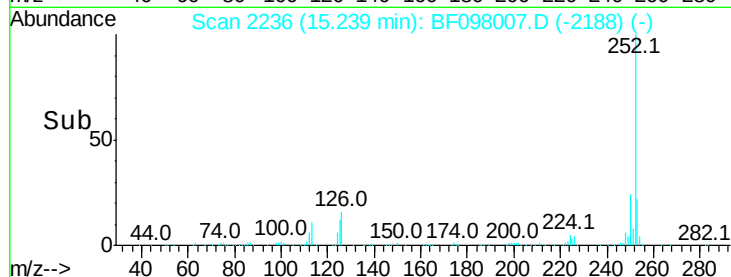
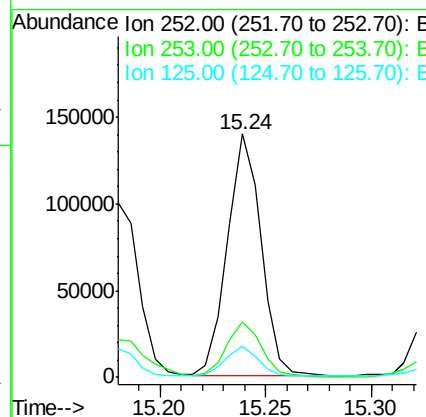
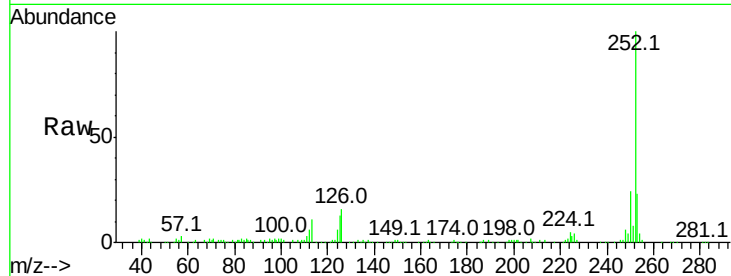
#89
Benzo(a)pyrene
Concen: 11.474 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	17.5	26.3
125	12.6	11.0	16.4

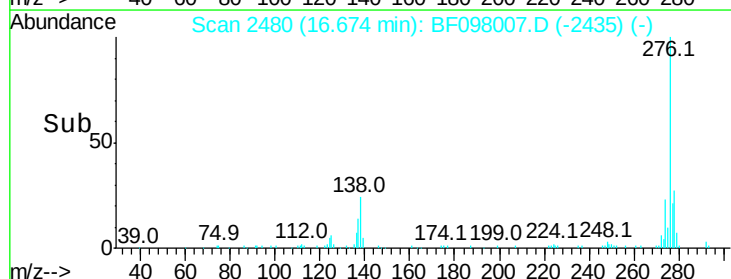
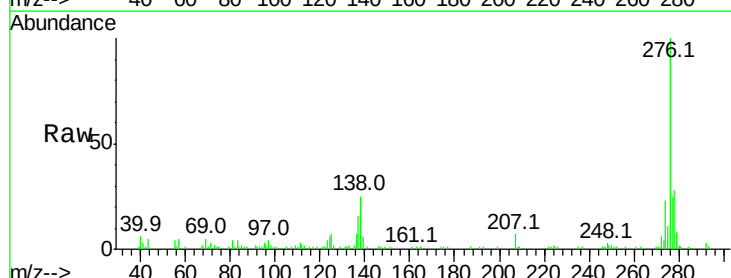
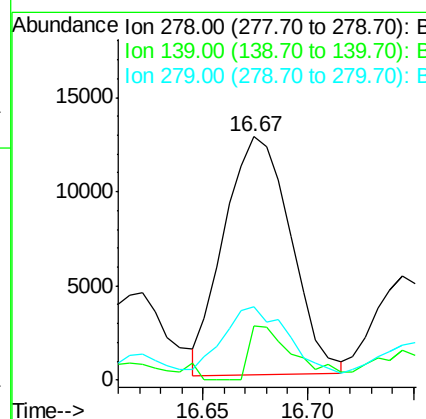
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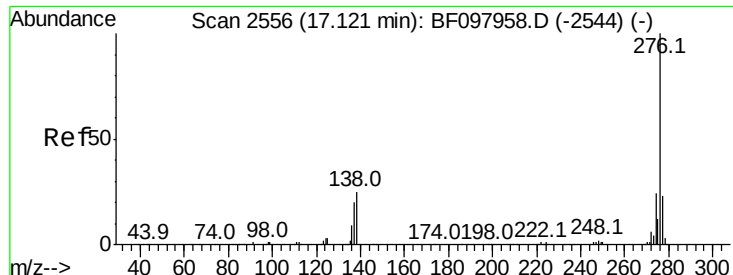
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.549 ng m
RT: 16.67 min Scan# 2480
Delta R.T. -0.04 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	22.0	16.6	24.8
279	30.3	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 8.896 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.03 min
 Lab File: BF098007.D
 Acq: 24 Aug 2017 17:41

Instrument :
 BNA_F
 ClientSampleId :
 72-11975-COMP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.8	18.6	28.0
138	24.5	25.4	38.0

Manual Integrations
 APPROVED

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 8/25/2017 5:40:05 PM

