

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
 Data File : BF098255.D
 Acq On : 2 Sep 2017 19:36
 Operator : SJ/JU
 Sample : I5066-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-1

Manual Integrations
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Quant Time: Sep 04 08:07:18 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	6.71	152	112295	20.00	ng	-0.04
21) Naphthalene-d8	7.99	136	422322	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	165481	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	272647	20.00	ng	-0.04
75) Chrysene-d12	13.86	240	264031	20.00	ng	-0.04
86) Perylene-d12	15.27	264	248903	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	725323	98.25	ng	-0.03
7) Phenol-d6	6.36	99	964650	96.17	ng	-0.03
23) Nitrobenzene-d5	7.27	82	583923	75.11	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	140142	97.60	ng	-0.04
44) 2-Fluorobiphenyl	9.07	172	733256	65.10	ng	-0.04
78) Terphenyl-d14	12.81	244	497639	39.30	ng	-0.04
Target Compounds						
49) Dimethylphthalate	9.46	163	81205	6.713	ng	99
70) Phenanthrene	11.25	178	213283	14.680	ng	99
71) Anthracene	11.30	178	50984	3.460	ng	98
72) Carbazole	11.46	167	33115	2.367	ng	98
74) Fluoranthene	12.44	202	381553	25.161	ng	98
77) Pyrene	12.66	202	315601	14.615	ng	99
80) Benzo(a)anthracene	13.85	228	198036	12.515	ng	98
82) Chrysene	13.89	228	168719	10.718	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	85491	7.383	ng	# 88
87) Benzo(b)fluoranthene	14.87	252	256156m	16.327	ng	
88) Benzo(k)fluoranthene	14.90	252	62256m	4.224	ng	
89) Benzo(a)pyrene	15.22	252	158162	11.387	ng	98
91) Benzo(g,h,i)perylene	17.04	276	74536	6.317	ng	97

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

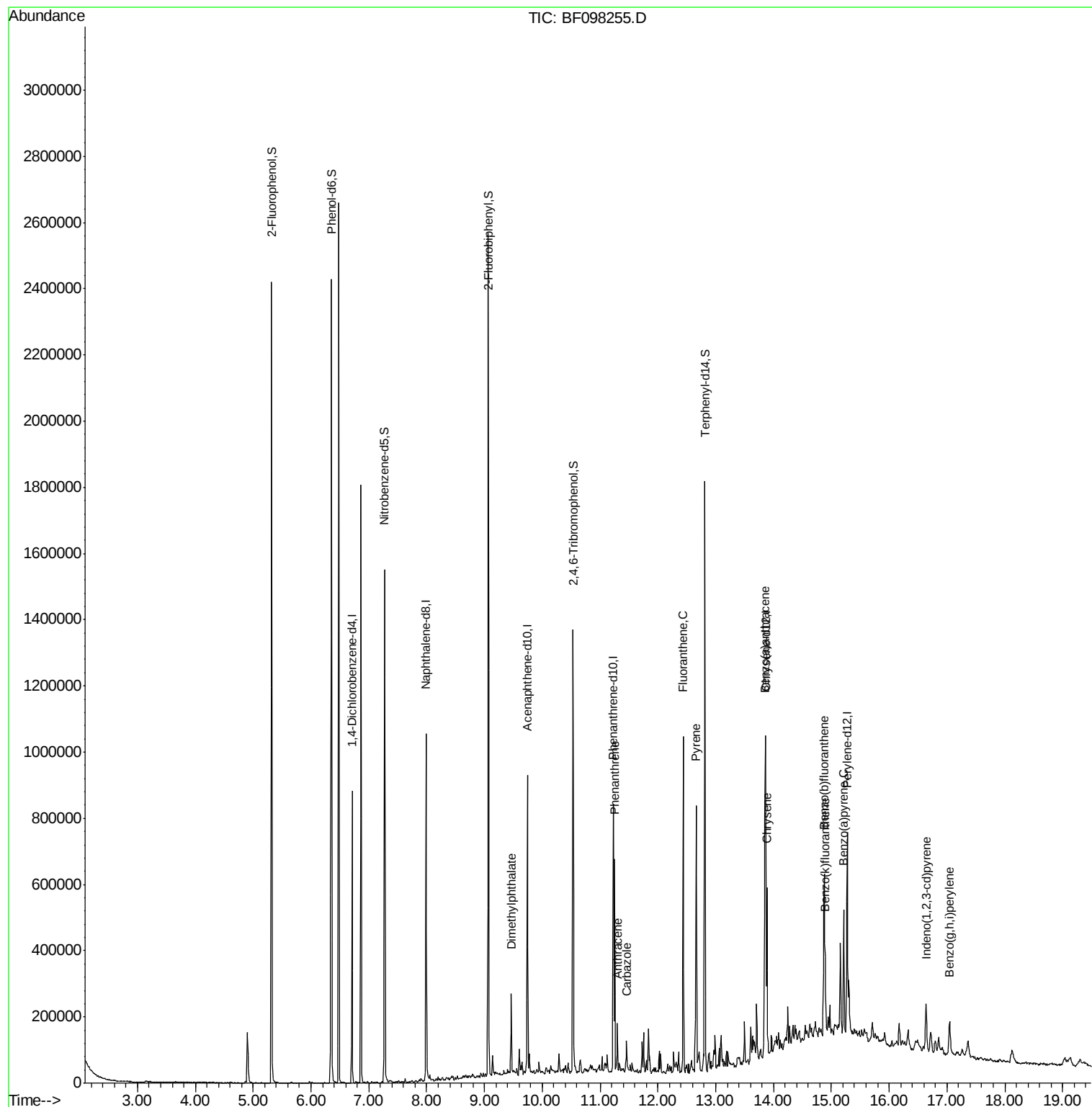
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
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ALS Vial : 13 Sample Multiplier: 1

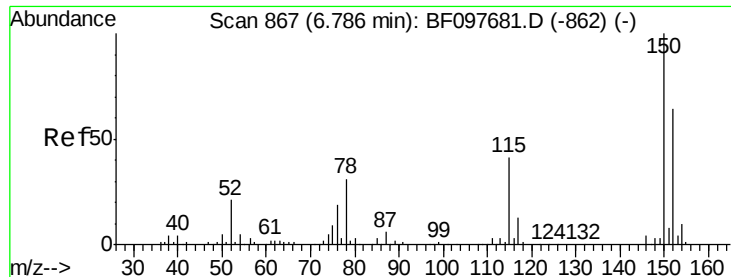
Instrument :
BNA_F
ClientSampled :
CF-1

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#1

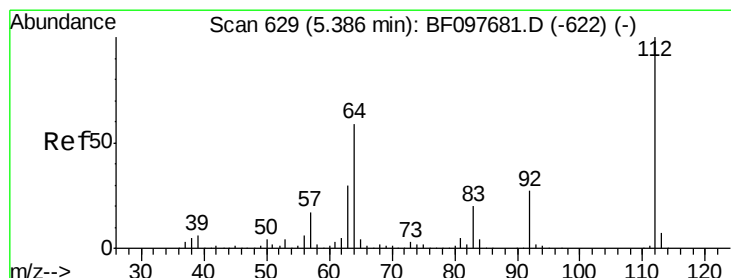
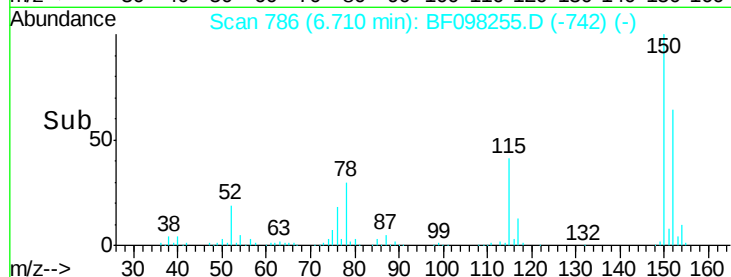
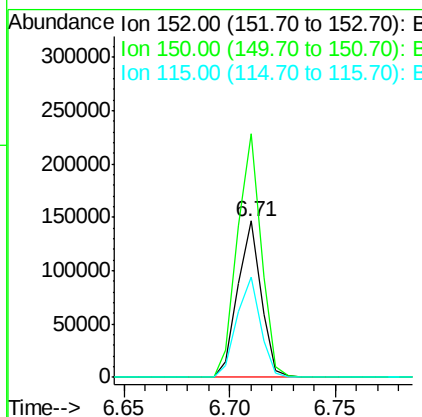
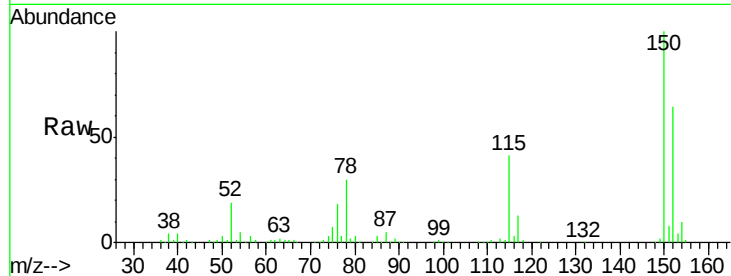
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Instrument :
BNA_F
ClientSampleId :
CF-1

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	112295		
150	156.1	126.2	189.2	
115	64.1	52.2	78.2	

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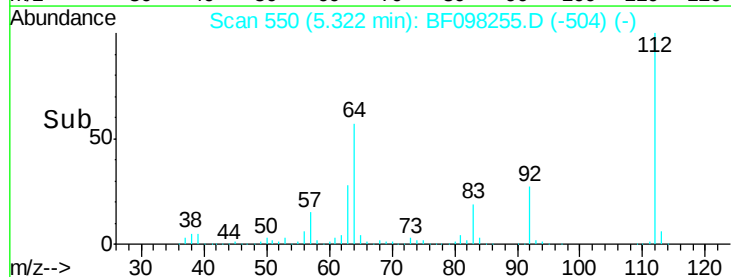
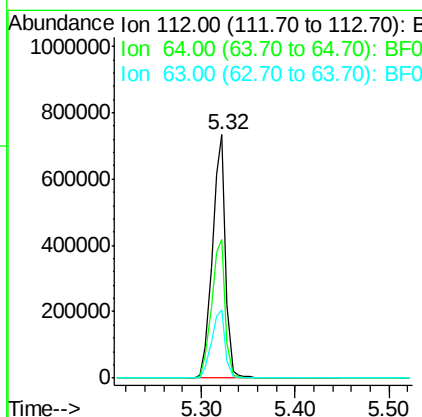
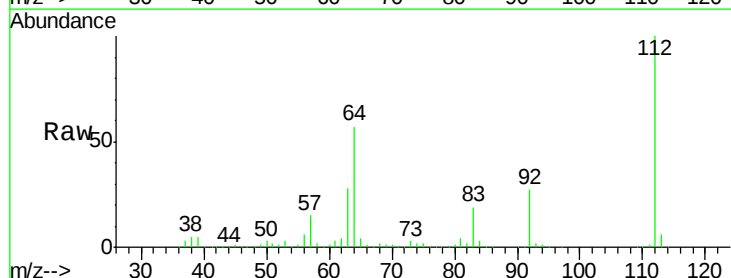
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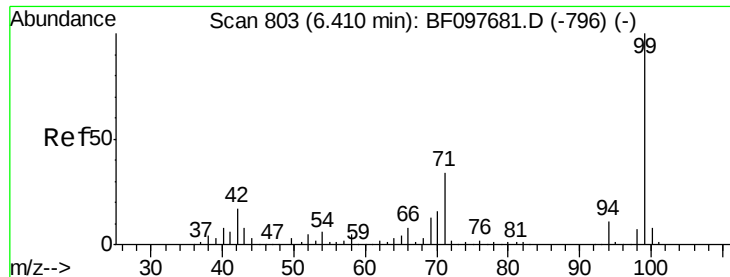


#5

2-Fluorophenol
Concen: 98.247 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	725323		
64	56.9	46.0	69.0	
63	27.8	23.4	35.0	





#7

Phenol-d6

Concen: 96.168 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

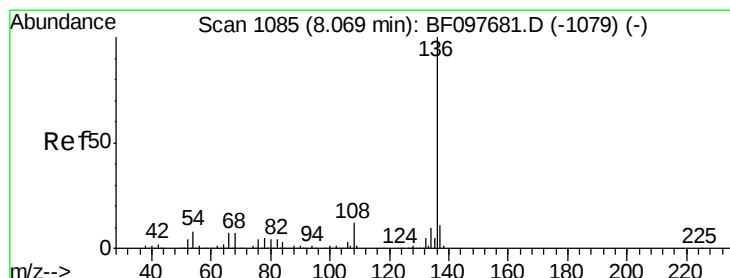
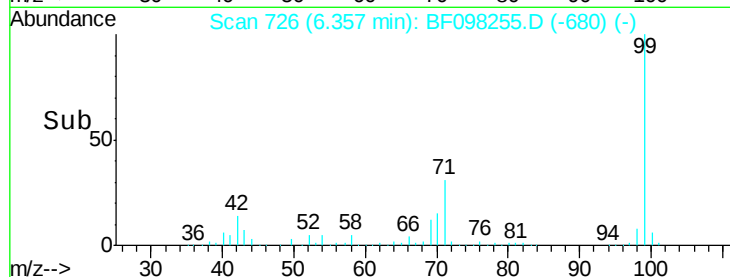
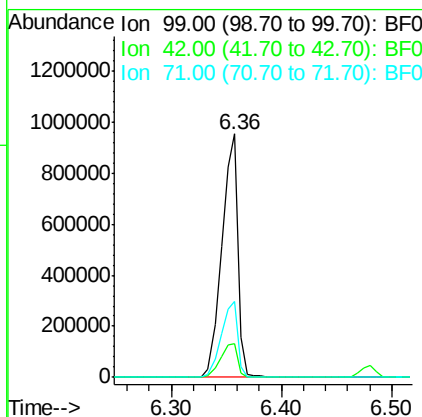
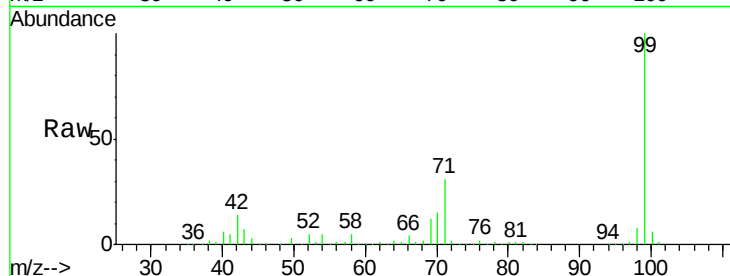
ClientSampleId :

CF-1

Tgt Ion:	99	Resp:	964650
Ion	Ratio	Lower	Upper
99	100		
42	13.9	13.5	20.3
71	31.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

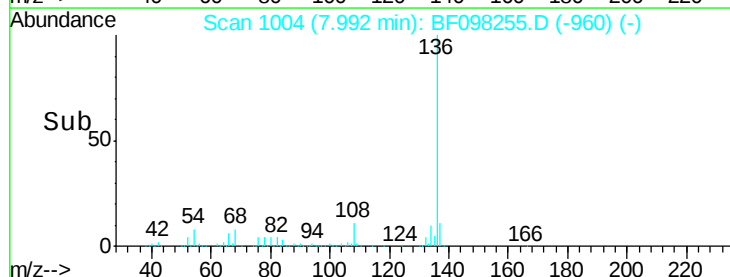
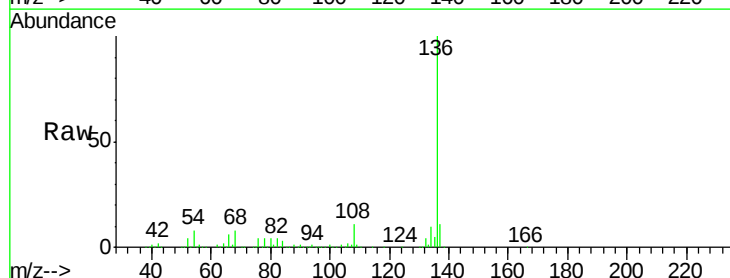
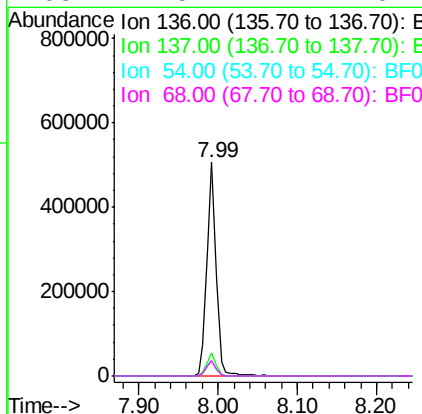
RT: 7.99 min Scan# 1004

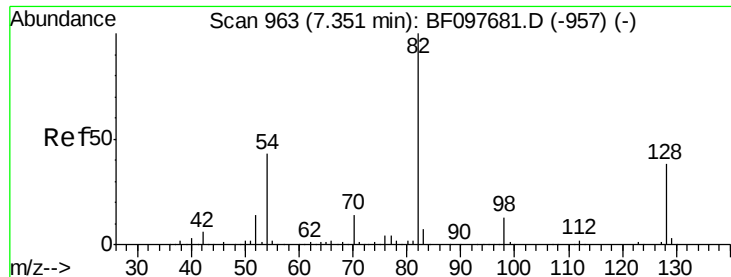
Delta R.T. -0.04 min

Lab File: BF098255.D

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Tgt Ion:	136	Resp:	422322
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.5	4.9	7.3#
68	7.5	4.1	6.1#





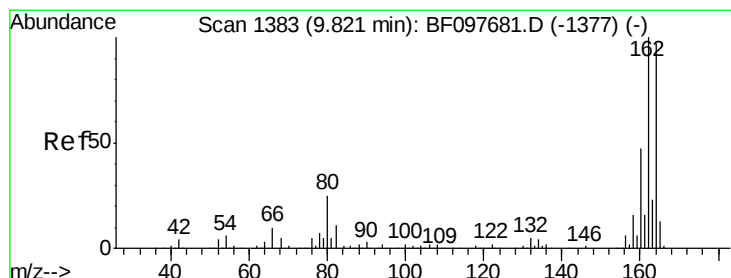
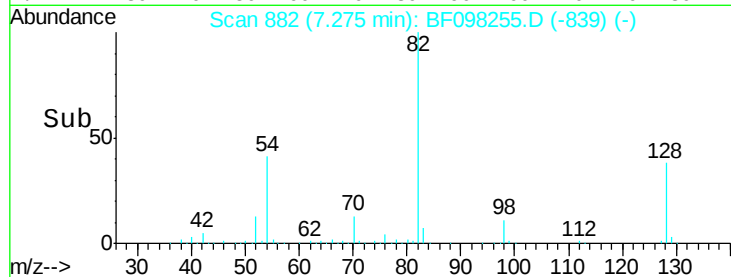
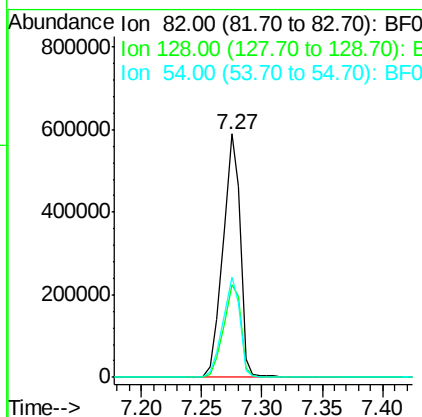
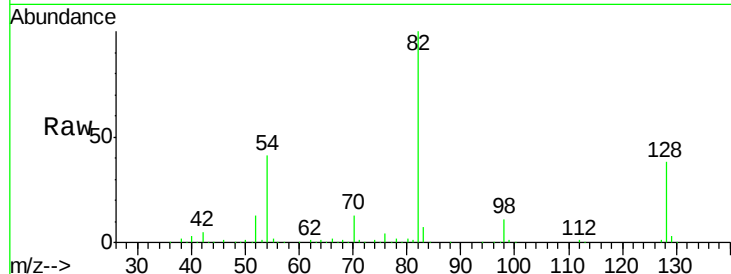
#23
 Nitrobenzene-d5
 Concen: 75.112 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.05 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampled :
 CF-1

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	583923		
128	38.2	34.0	51.0	
54	41.1	42.2	63.2	

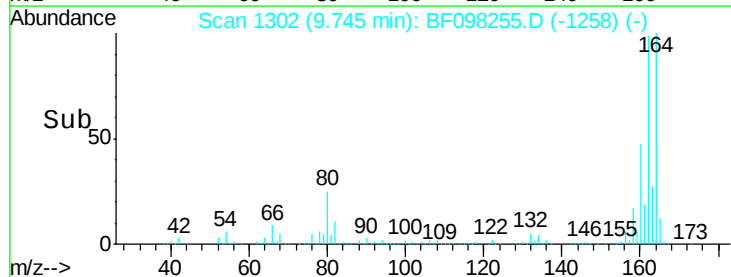
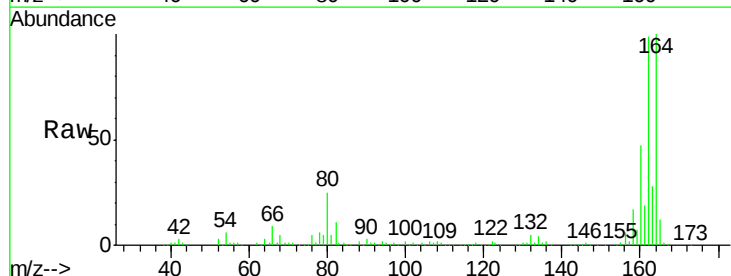
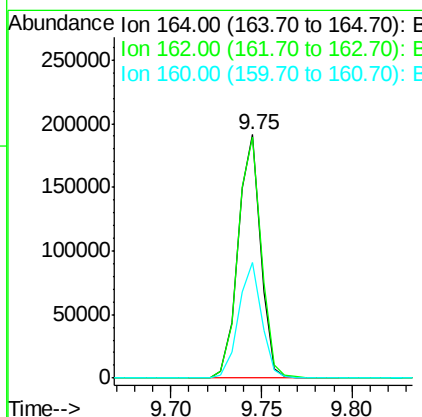
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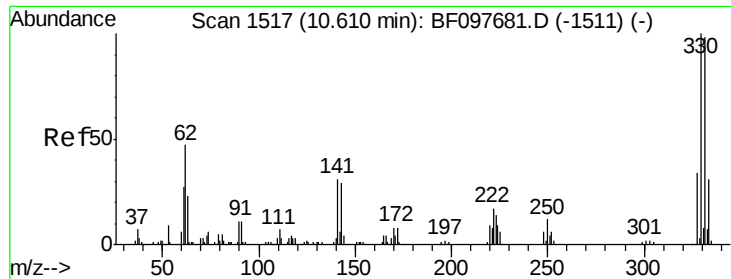
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	165481		
162	98.8	82.6	123.8	
160	47.3	36.2	54.2	





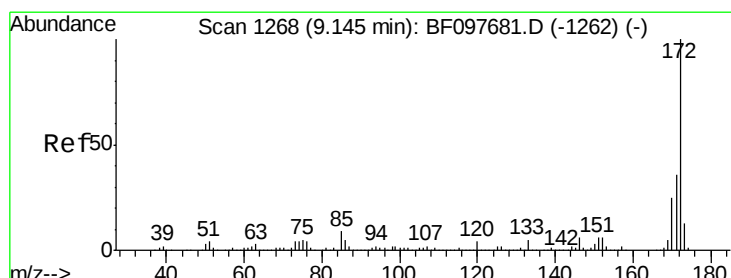
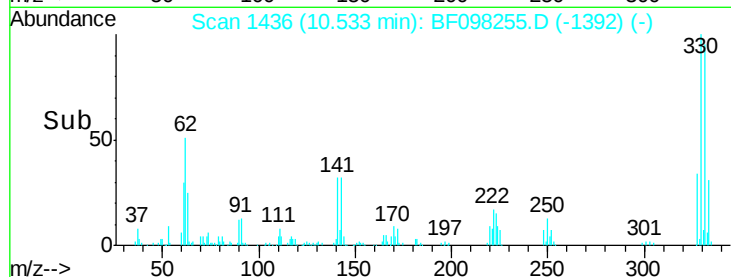
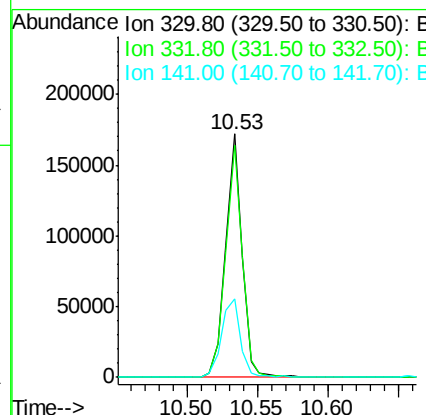
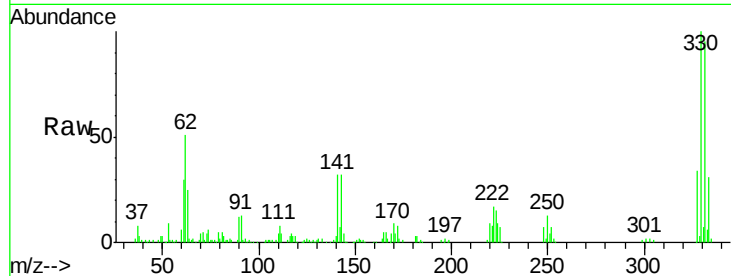
#41
 2,4,6-Tribromophenol
 Concen: 97.604 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampled :
 CF-1

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	140142		
332	96.8	76.6	115.0	
141	37.0	31.4	47.2	

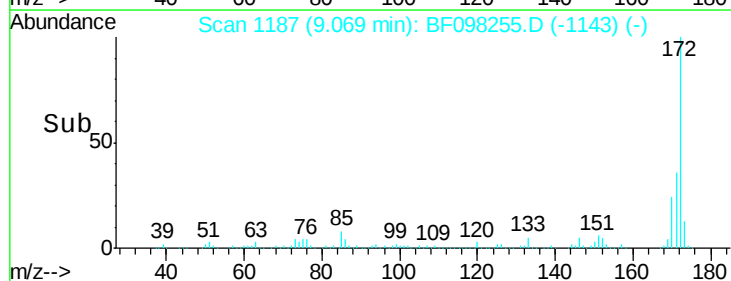
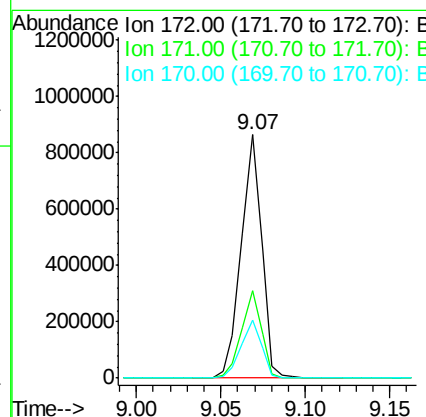
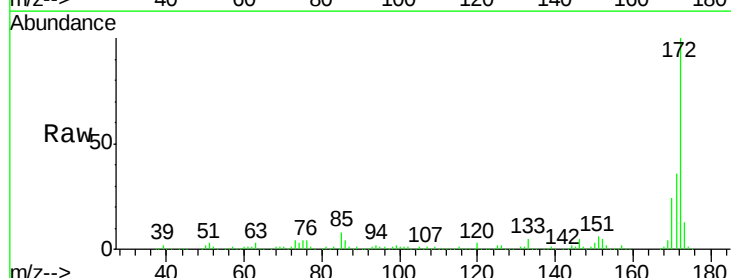
Manual Integrations
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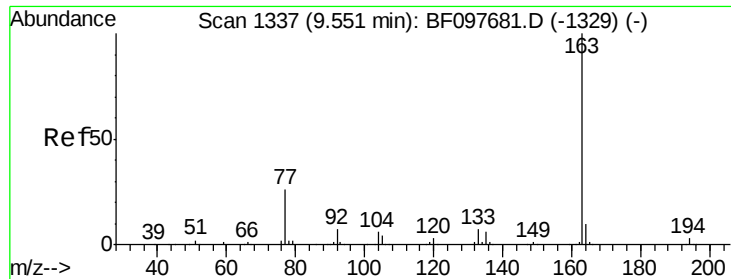
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#44
 2-Fluorobiphenyl
 Concen: 65.101 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	733256		
171	36.2	29.6	44.4	
170	23.9	19.8	29.8	





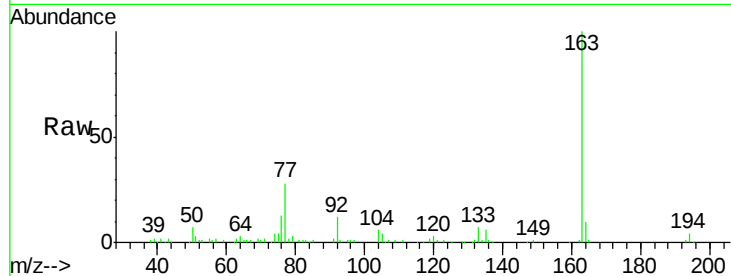
#49
Dimethylphthalate
Concen: 6.713 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.05 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Instrument :
BNA_F
ClientSampled :
CF-1

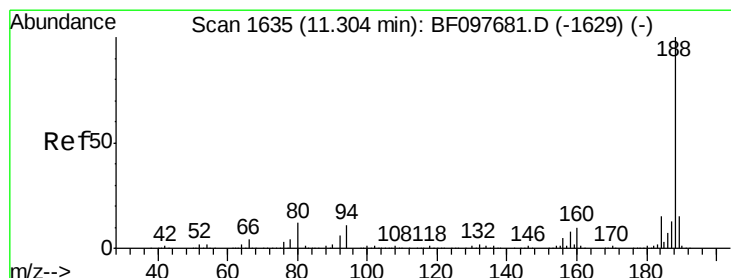
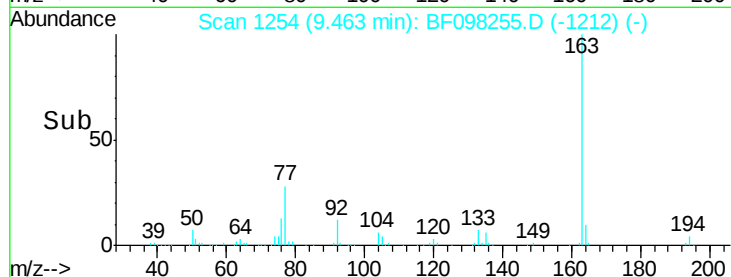
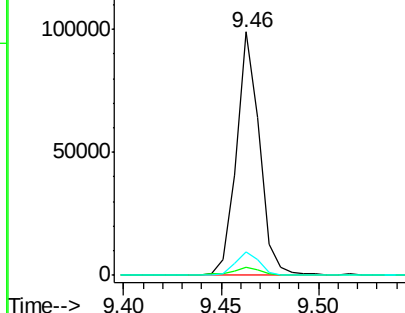
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.9	8.4	12.6

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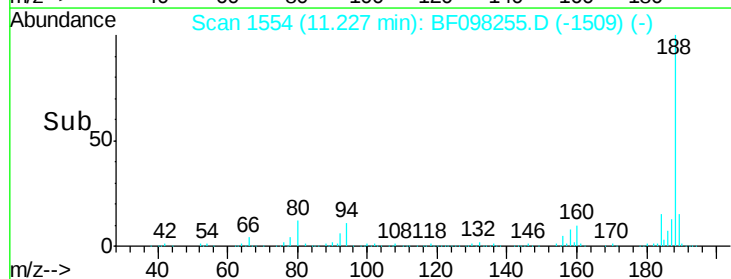
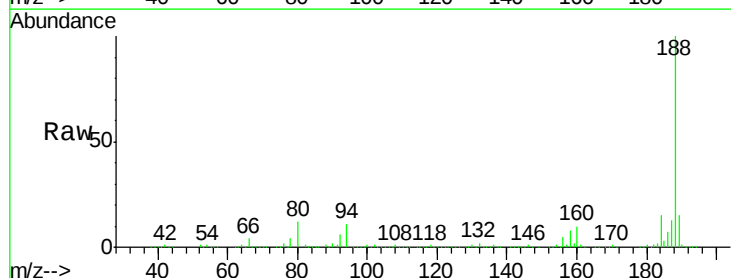
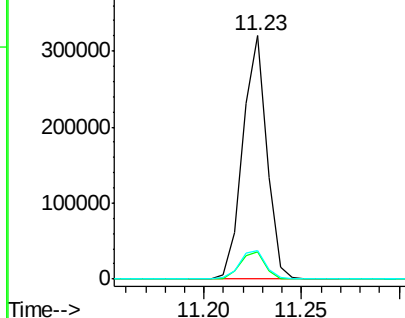
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Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

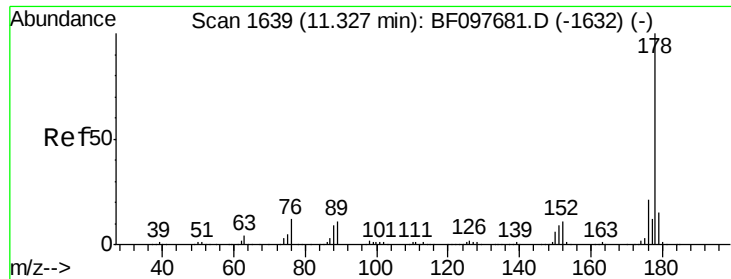


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.7	10.2	15.2

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 14.680 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

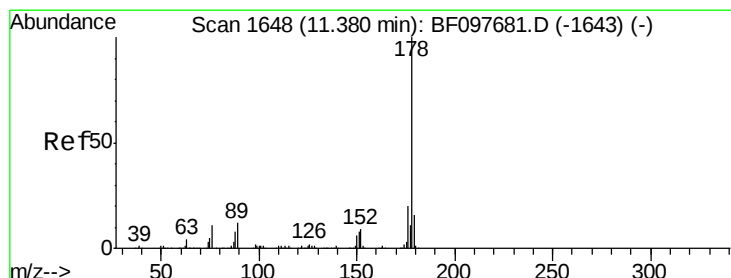
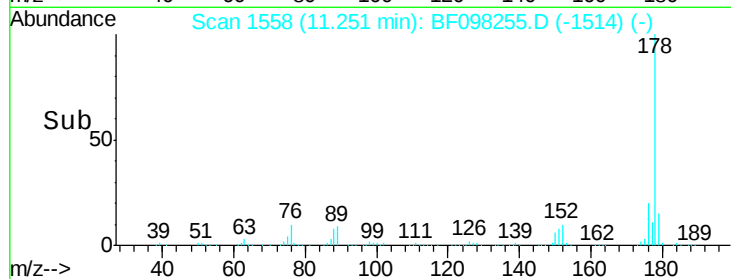
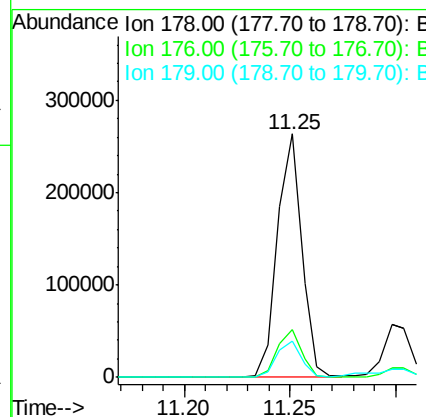
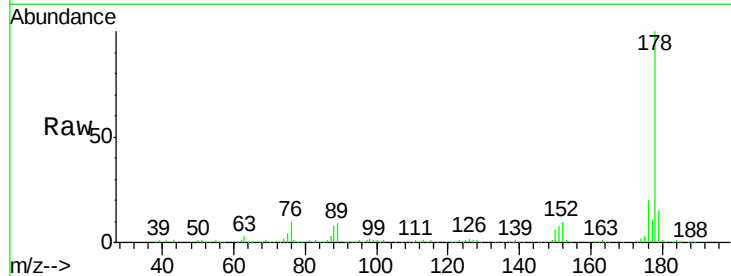
ClientSampleId :

CF-1

Tgt Ion:	178	Resp:	213283
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.2	24.4
179	15.0	12.6	19.0

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#71

Anthracene

Concen: 3.460 ng

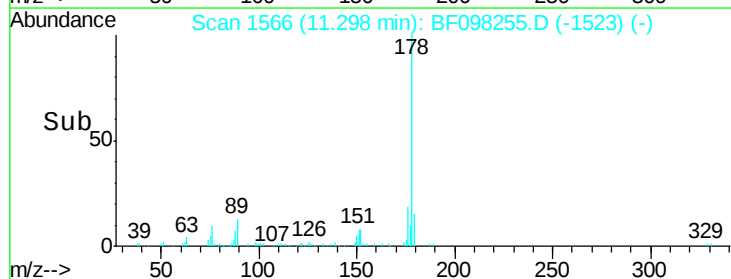
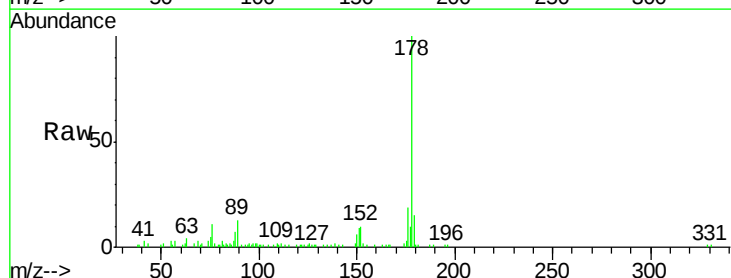
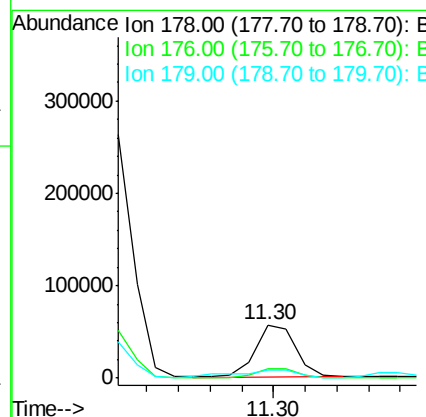
RT: 11.30 min Scan# 1566

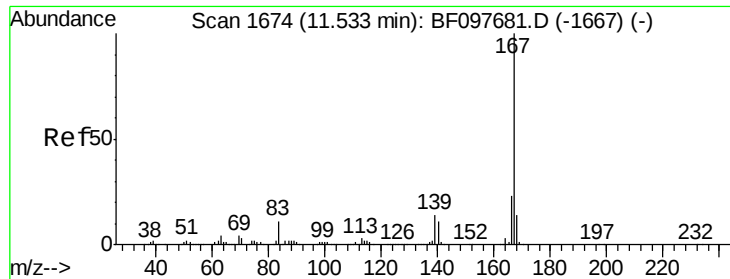
Delta R.T. -0.05 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Tgt Ion:	178	Resp:	50984
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	15.4	12.7	19.1





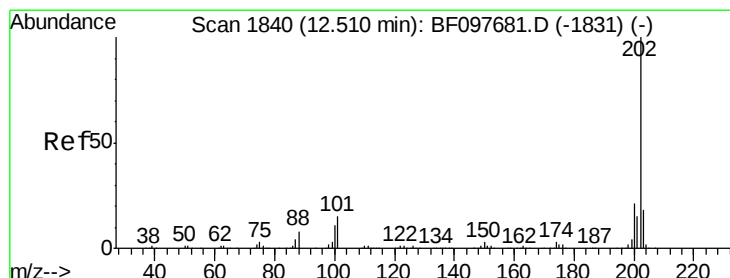
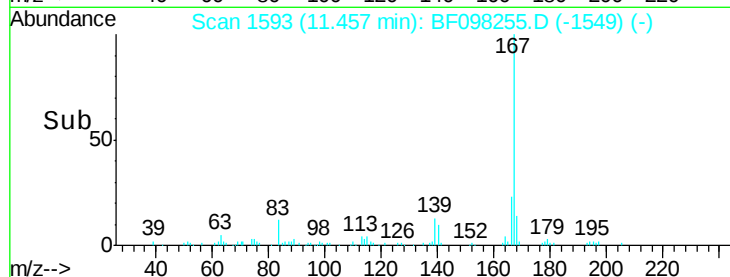
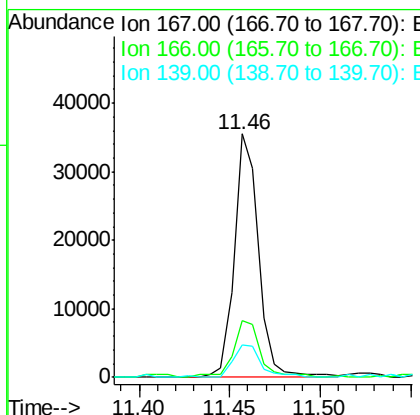
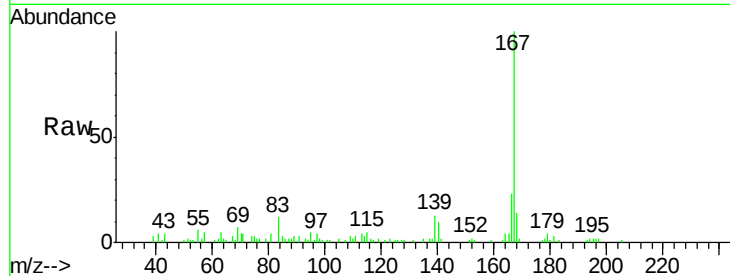
#72
 Carbazole
 Concen: 2.367 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 CF-1

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.1	27.1
139	13.2	11.7	17.5

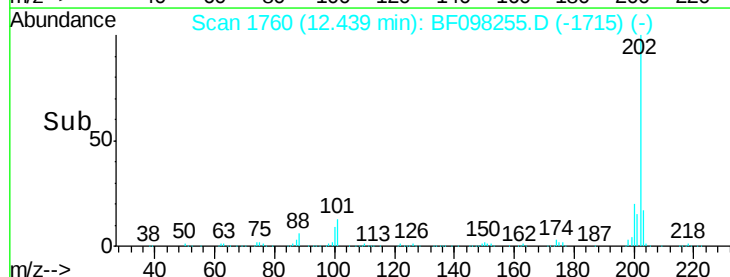
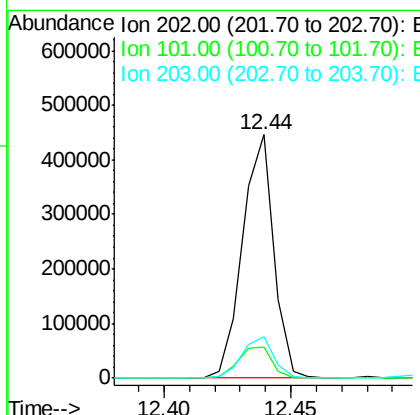
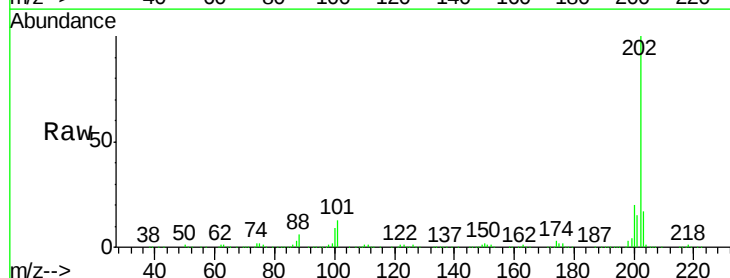
Manual Integrations
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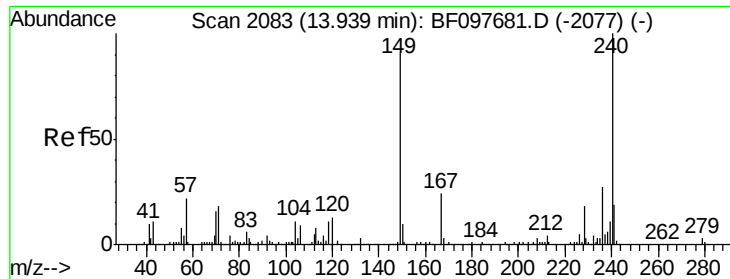
mohammad
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#74
 Fluoranthene
 Concen: 25.161 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

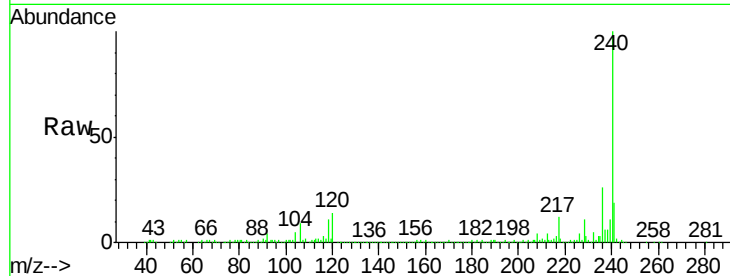
ClientSampled :

CF-1

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	264031		
120	13.6	5.8	8.8#	
236	26.3	20.5	30.7	

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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.86

300000

200000

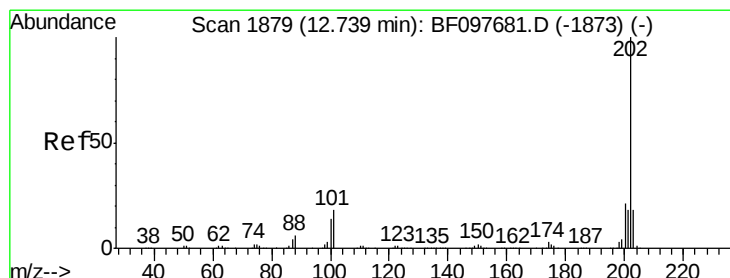
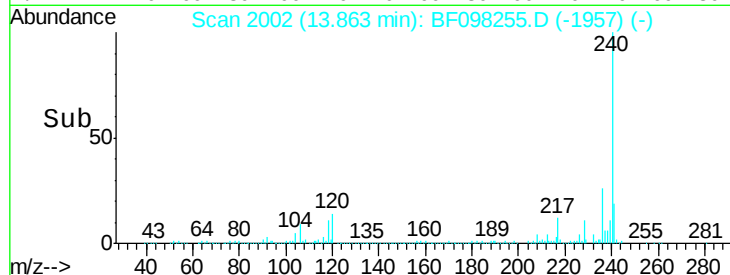
100000

0

13.80

13.90

Time-->



#77

Pyrene

Concen: 14.615 ng

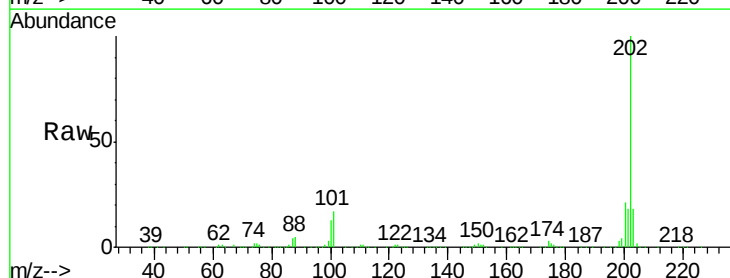
RT: 12.66 min Scan# 1798

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	315601		
200	21.2	17.6	26.4	
203	17.9	14.4	21.6	



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.66

400000

300000

200000

100000

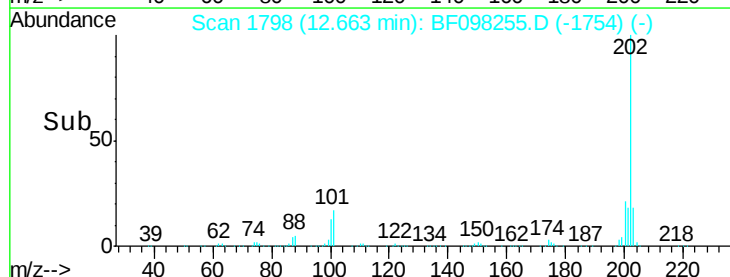
0

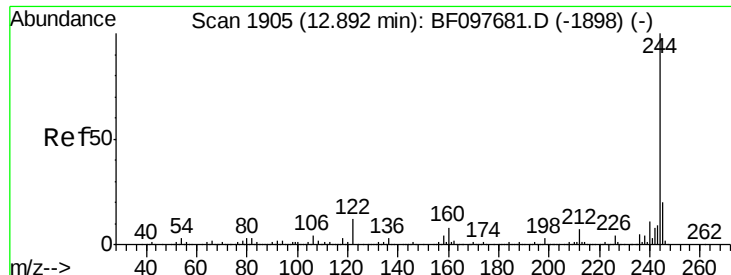
12.60

12.65

12.70

Time-->





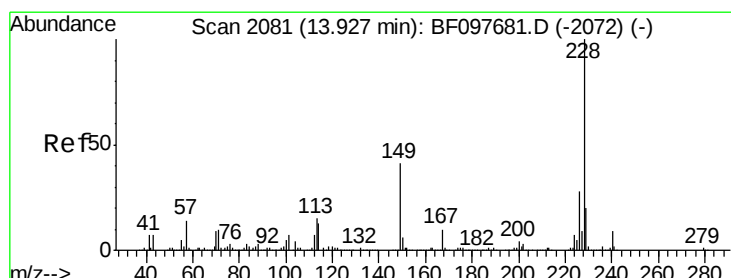
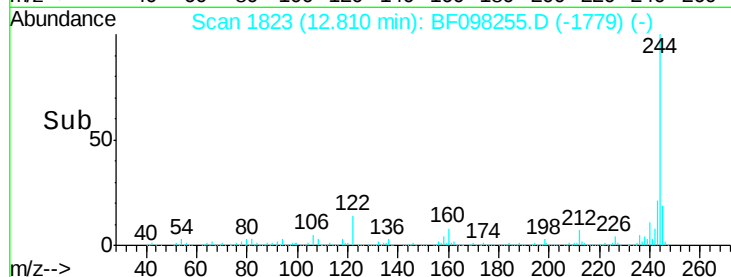
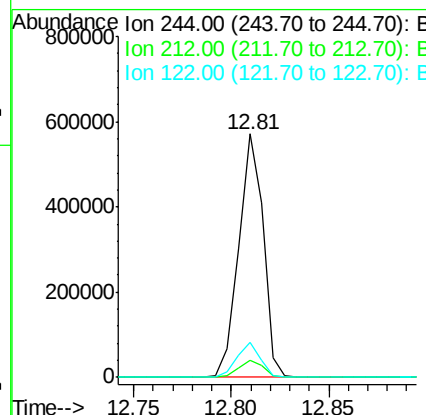
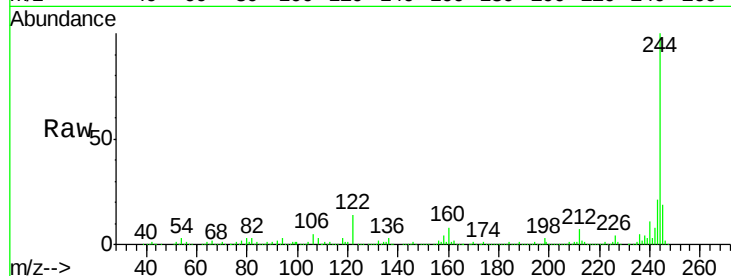
#78
 Terphenyl-d14
 Concen: 39.304 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampled :
 CF-1

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	497639		
212	7.3	6.0	9.0	
122	14.2	10.3	15.5	

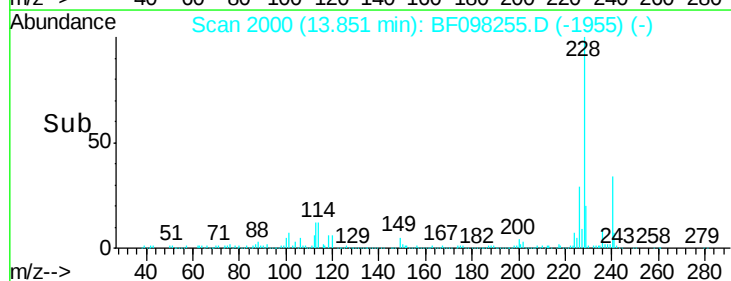
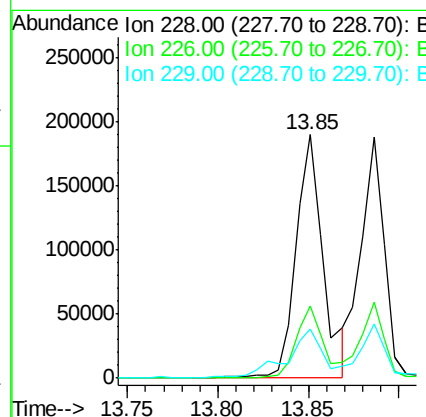
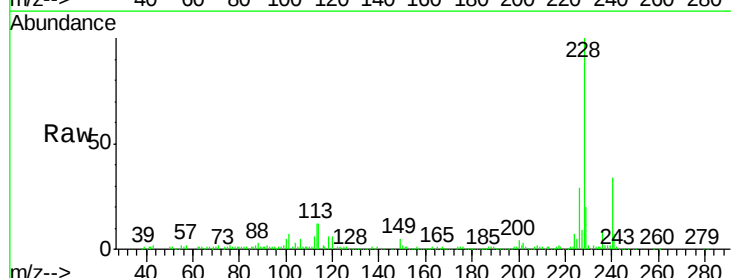
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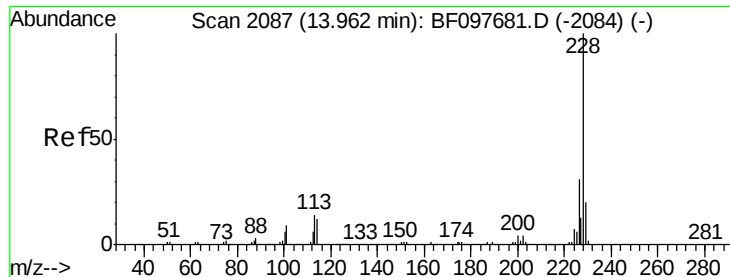
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#80
 Benzo(a)anthracene
 Concen: 12.515 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	198036		
226	29.5	22.6	33.8	
229	20.0	16.3	24.5	





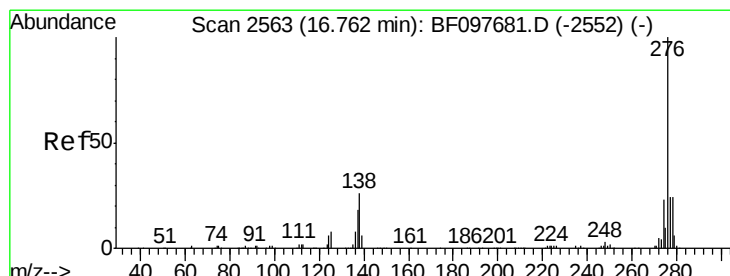
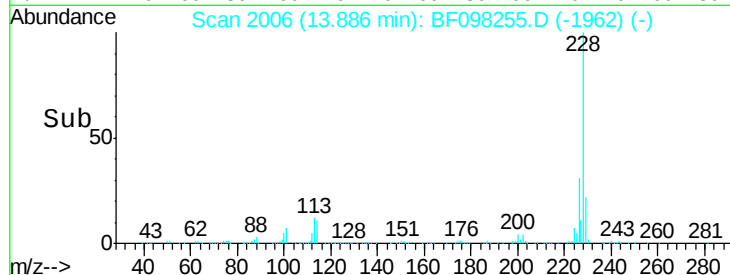
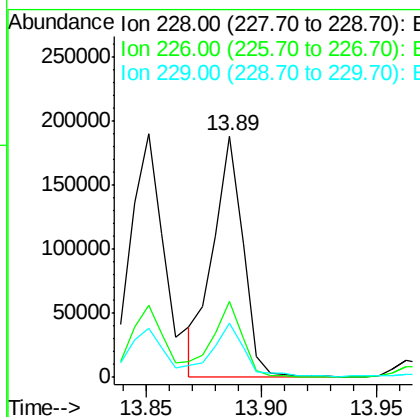
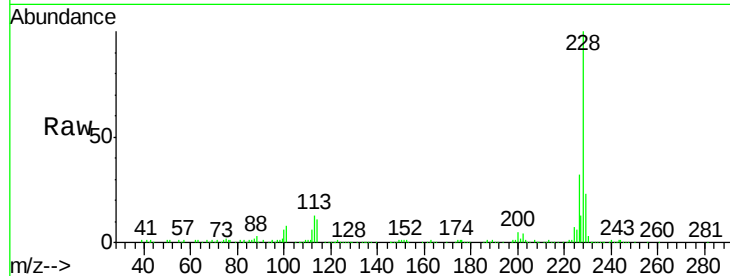
#82
Chrysene
Concen: 10.718 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Instrument :
BNA_F
ClientSampled :
CF-1

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	168719		
226	31.5	24.9	37.3	
229	22.6	15.8	23.6	

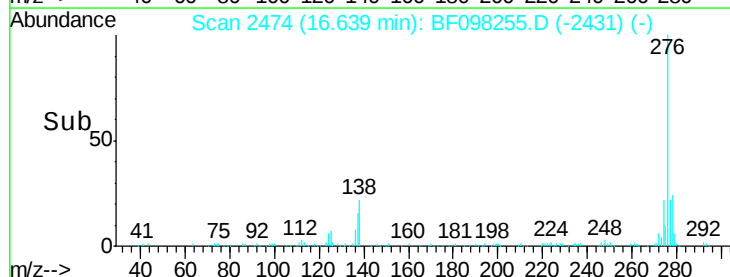
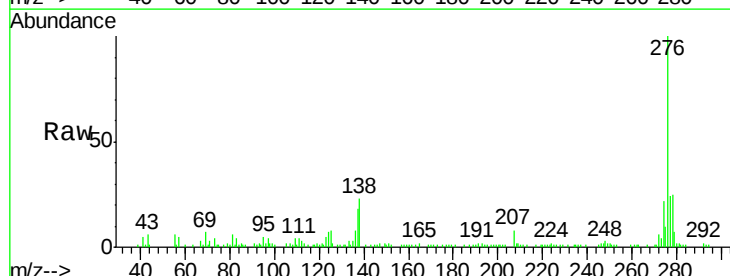
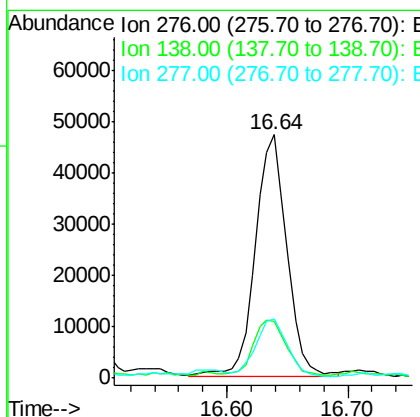
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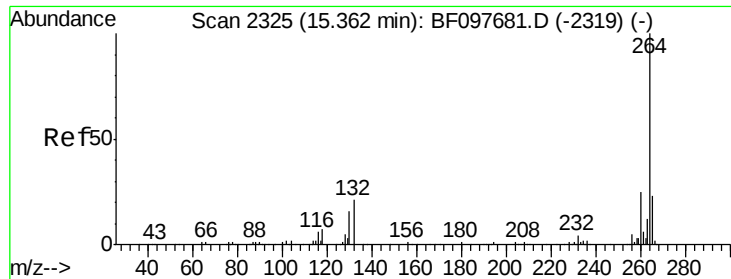
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.383 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.05 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	85491		
138	24.1	27.8	41.6#	
277	23.9	20.2	30.4	





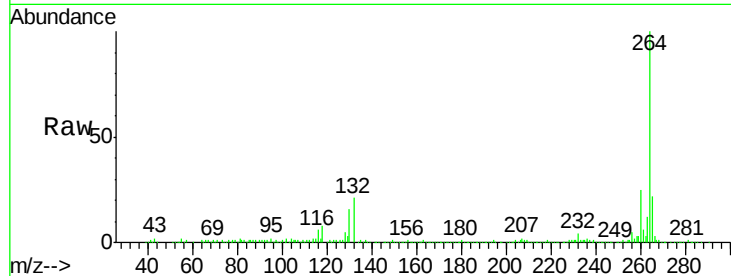
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Instrument :
BNA_F
ClientSampled :
CF-1

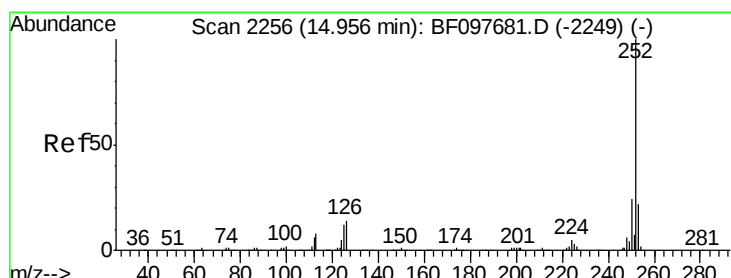
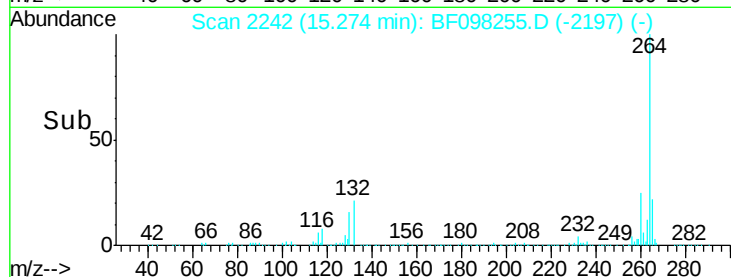
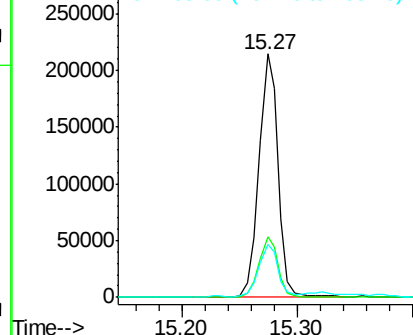
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	248903		
260	25.1	19.5	29.3	
265	21.9	17.2	25.8	

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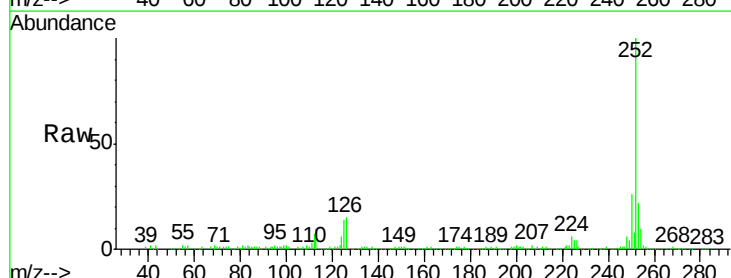


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

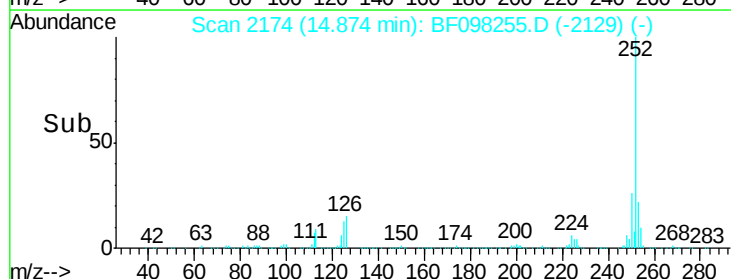
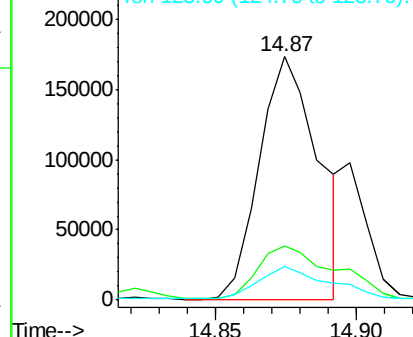


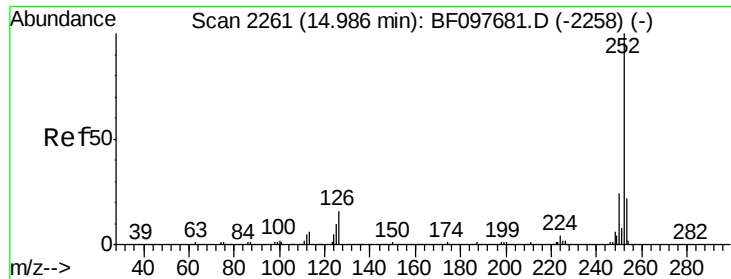
#87
Benzo(b)fluoranthene
Concen: 16.327 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	256156		
253	22.5	18.1	27.1	
125	13.7	9.8	14.8	



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





#88

Benzo(k)fluoranthene

Concen: 4.224 ng m

RT: 14.90 min Scan# 2178

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

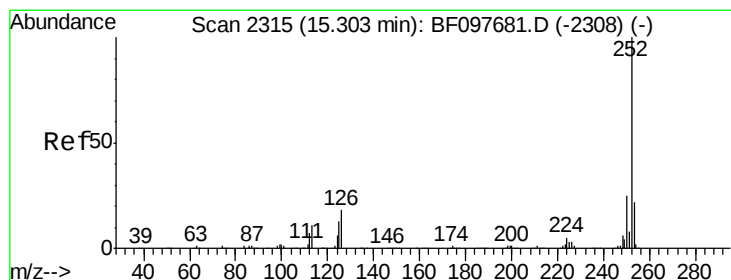
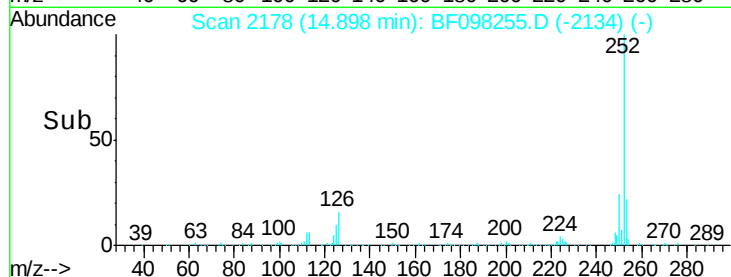
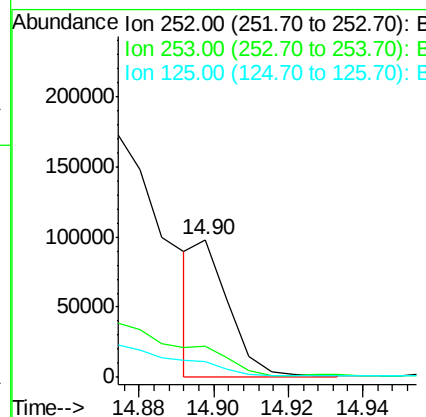
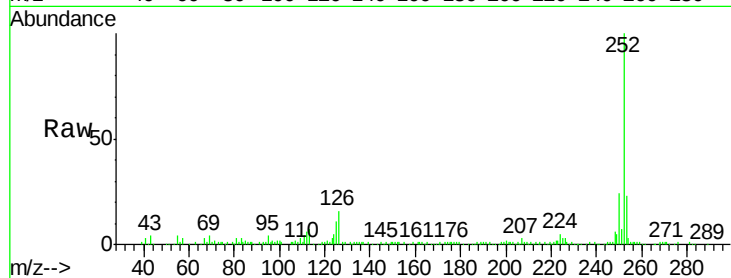
ClientSampleId :

CF-1

Tgt Ion:	252	Resp:	62256
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.4	27.6
125	11.2	13.1	19.7#

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#89

Benzo(a)pyrene

Concen: 11.387 ng

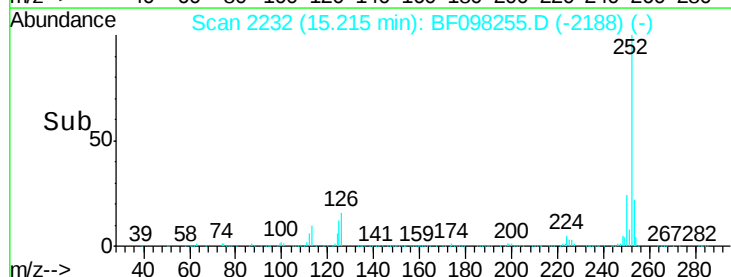
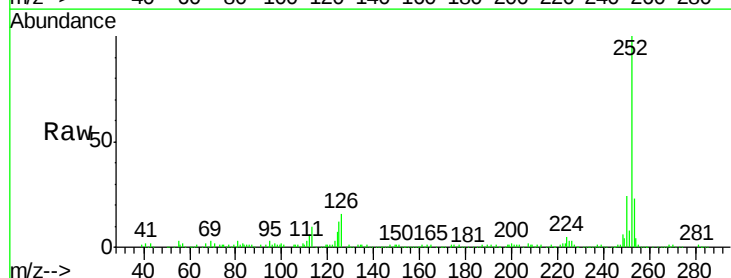
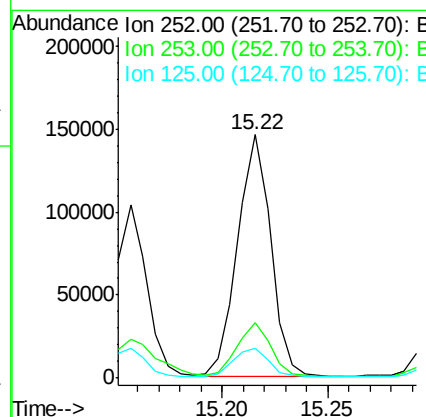
RT: 15.22 min Scan# 2232

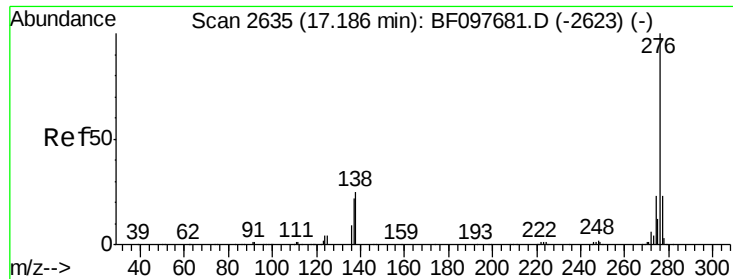
Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Tgt Ion:	252	Resp:	158162
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	12.3	11.0	16.4





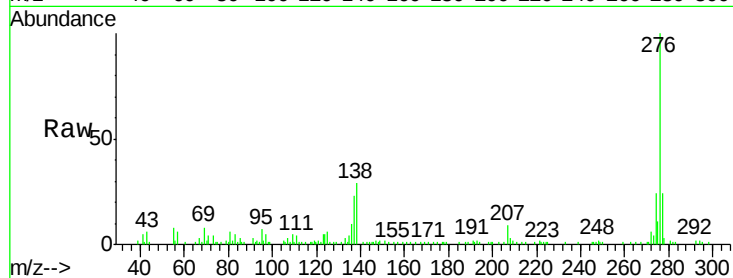
#91
 Benzo(g,h,i)perylene
 Concen: 6.317 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.06 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 CF-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	29.1	25.4	38.0

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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

