

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
 Data File : BF094869.D
 Acq On : 4 May 2017 10:58
 Operator : SJ/MA
 Sample : I2936-11DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Manual Integrations
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Quant Time: May 04 12:06:41 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	94312	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	356431	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	154105	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	212107	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	200515	20.00	ng	-0.01
86) Perylene-d12	20.30	264	149586	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	85034	15.03	ng	0.00
7) Phenol-d6	7.27	99	104026	15.33	ng	0.00
23) Nitrobenzene-d5	8.62	82	55953	9.90	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	17243	13.66	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	117643	10.99	ng	-0.01
78) Terphenyl-d14	17.29	244	78071	8.58	ng	-0.02
Target Compounds						Qvalue
57) Fluorene	13.47	166	24744	2.10	ng	99
70) Phenanthrene	15.01	178	307701	25.25	ng	98
71) Anthracene	15.09	178	119303	9.58	ng	97
74) Fluoranthene	16.75	202	656107	52.48	ng	98
77) Pyrene	17.05	202	535274	35.69	ng	97
80) Benzo(a)anthracene	18.62	228	288779	24.75	ng	97
82) Chrysene	18.67	228	234029	20.74	ng	97
85) Indeno(1,2,3-cd)pyrene	21.59	276	77179	8.42	ng	96
87) Benzo(b)fluoranthene	19.90	252	269784m	29.19	ng	
88) Benzo(k)fluoranthene	19.92	252	75693m	8.49	ng	
89) Benzo(a)pyrene	20.25	252	176483	20.69	ng	97
90) Dibenzo(a,h)anthracene	21.60	278	21338	3.03	ng	# 88
91) Benzo(g,h,i)perylene	21.97	276	71041	10.28	ng	95

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

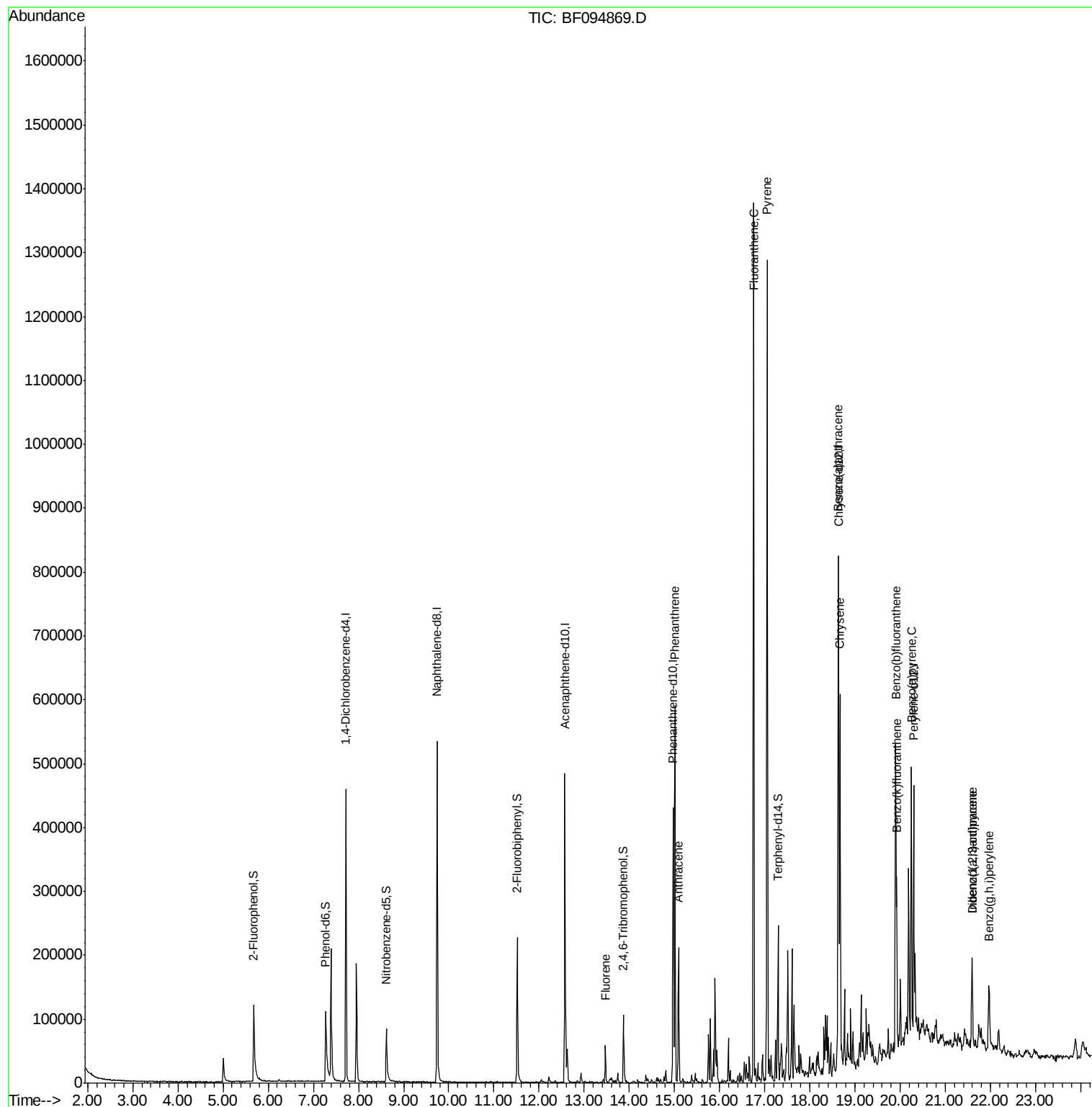
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
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ALS Vial : 30 Sample Multiplier: 1

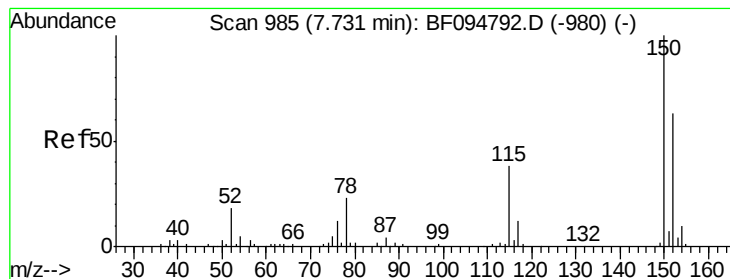
Instrument :
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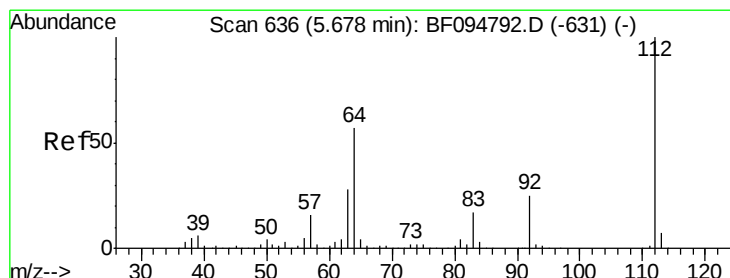
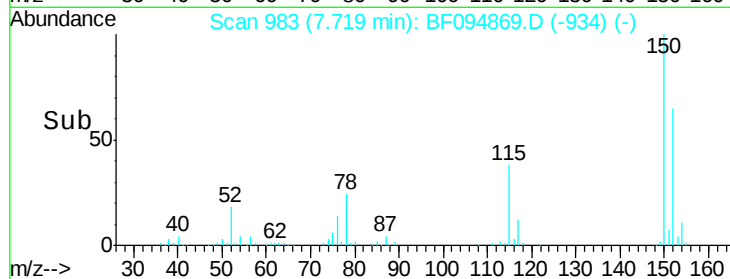
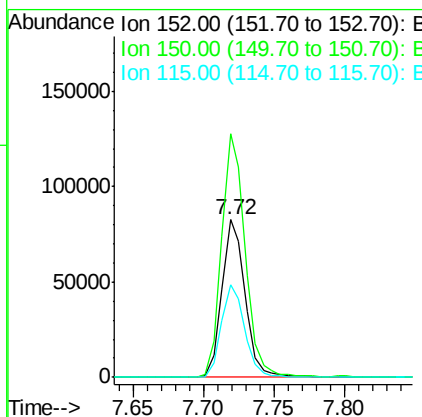
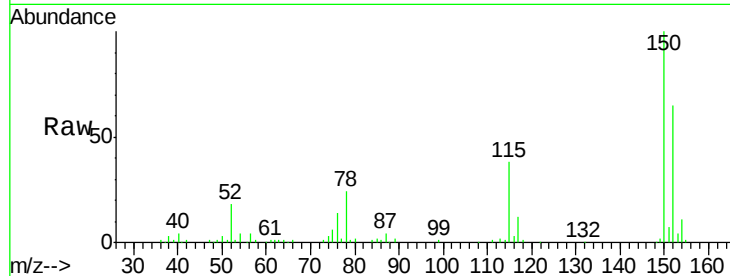
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.72 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	58.5	52.2	78.2

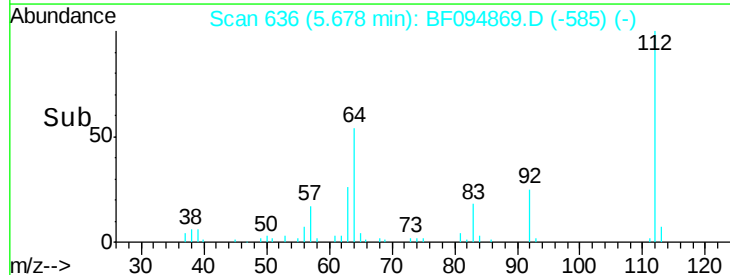
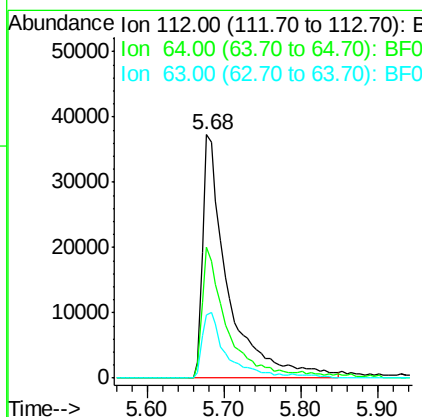
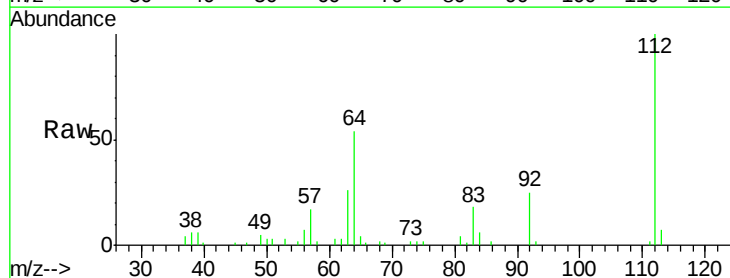
Manual Integrations
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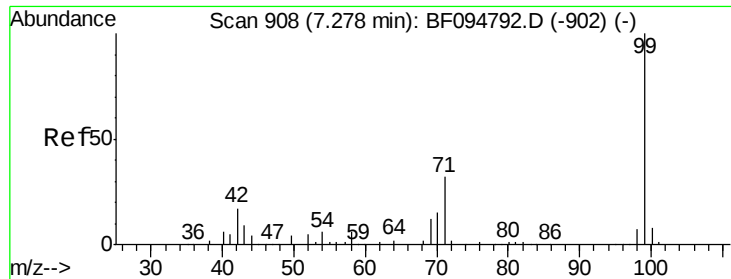
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#5
 2-Fluorophenol
 Concen: 15.03 ng
 RT: 5.68 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	46.0	69.0
63	25.8	23.4	35.0





#7

Phenol-d6

Concen: 15.33 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

Instrument :

BNA_F

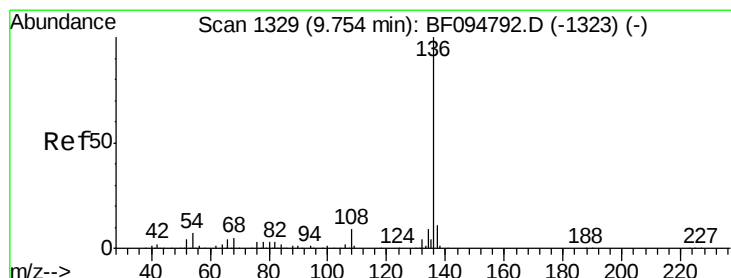
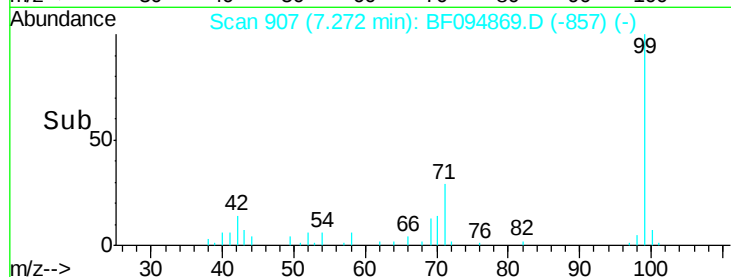
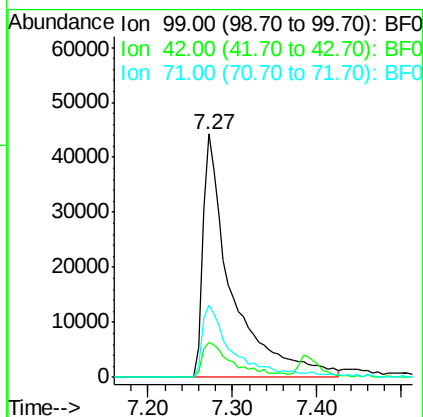
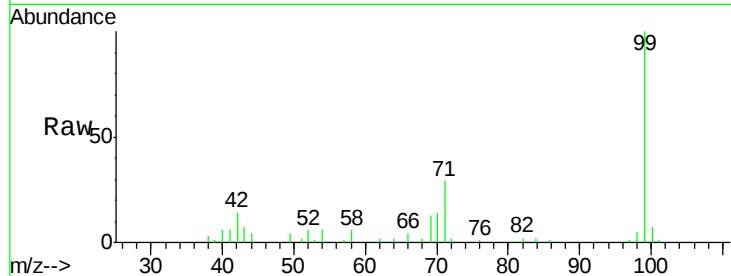
ClientSampleId :

TP3-COMP(0.5-4.5FT)DL

Tgt Ion:	99	Resp:	104026
Ion Ratio	Lower	Upper	
99	100		
42	14.4	13.5	20.3
71	29.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

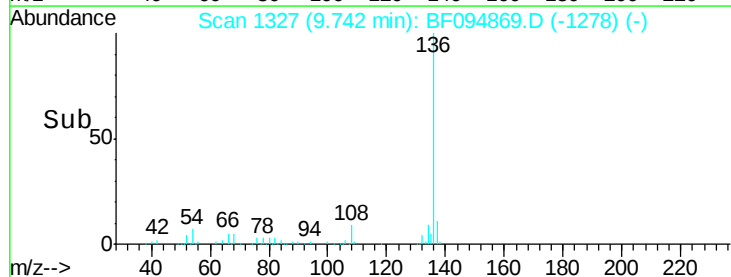
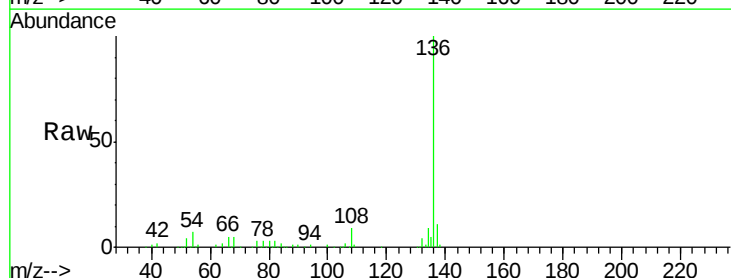
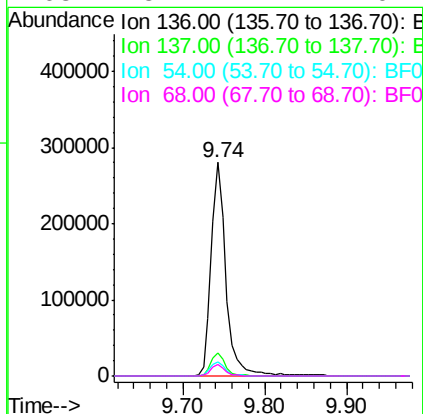
RT: 9.74 min Scan# 1327

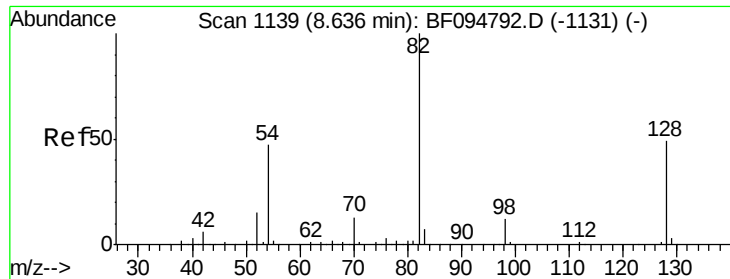
Delta R.T. -0.01 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

Tgt Ion:	136	Resp:	356431
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.7	4.9	7.3
68	5.2	4.1	6.1





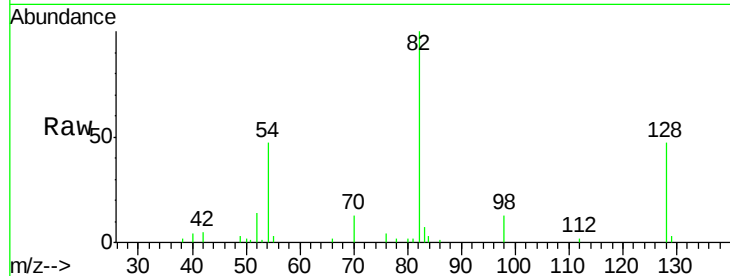
#23
 Nitrobenzene-d5
 Concen: 9.90 ng
 RT: 8.62 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

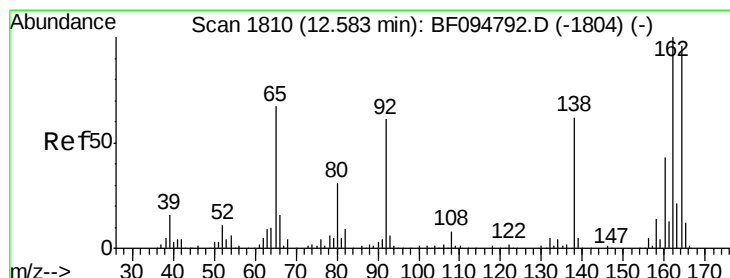
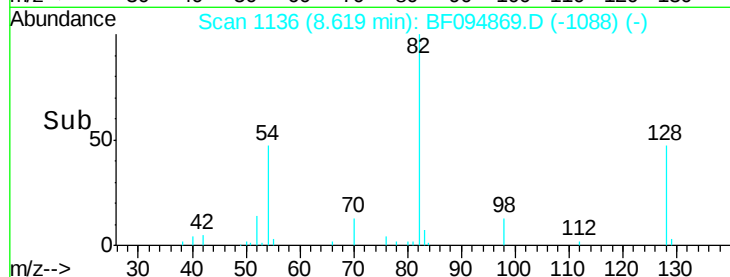
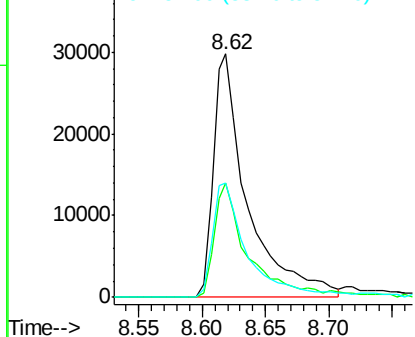
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.0	51.0
54	47.0	42.2	63.2

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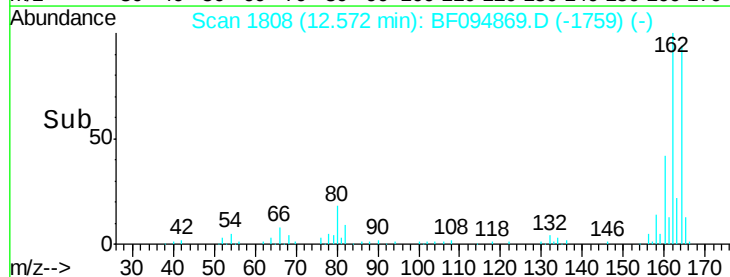
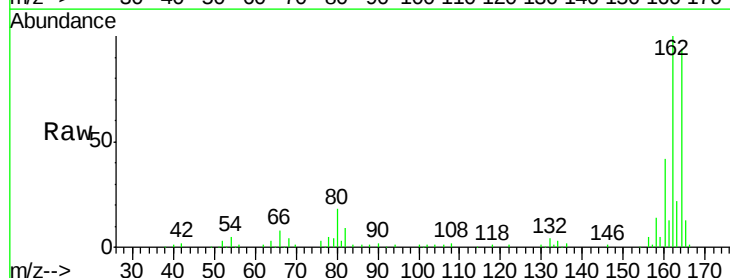
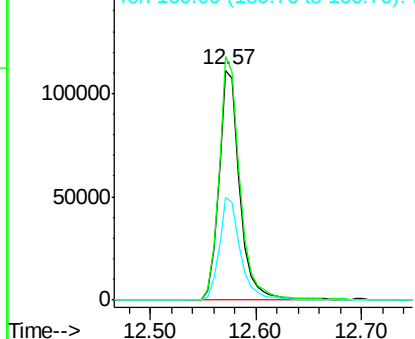
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 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

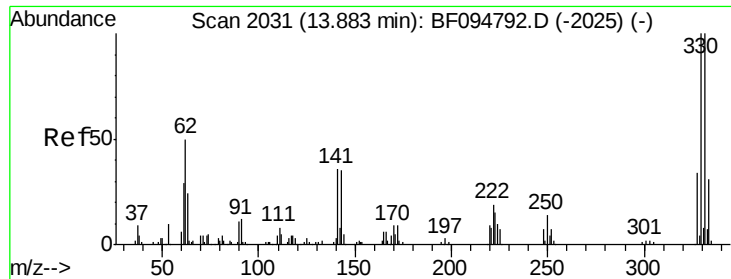


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.57 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	82.6	123.8
160	44.9	36.2	54.2

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





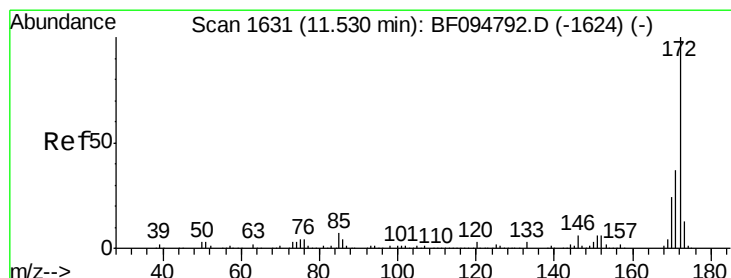
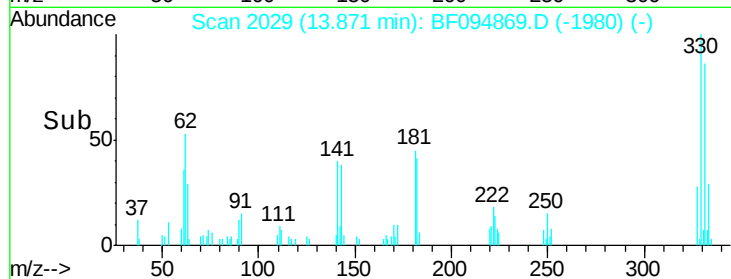
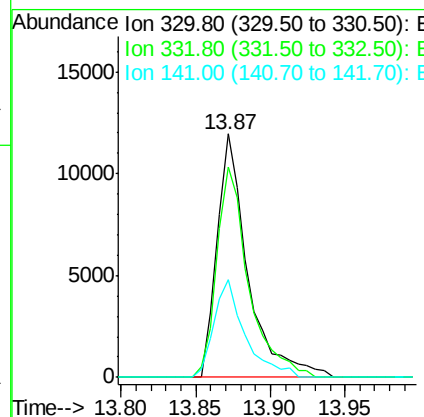
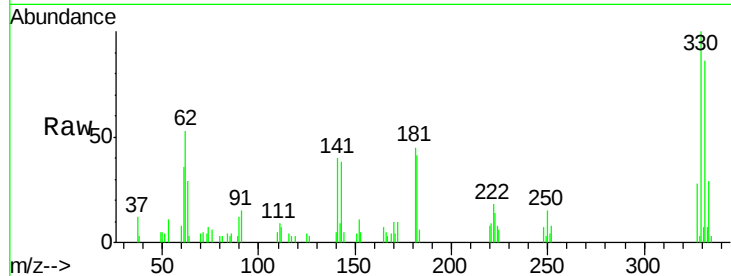
#41
 2,4,6-Tribromophenol
 Concen: 13.66 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	89.4	76.6	115.0
141	39.9	31.4	47.2

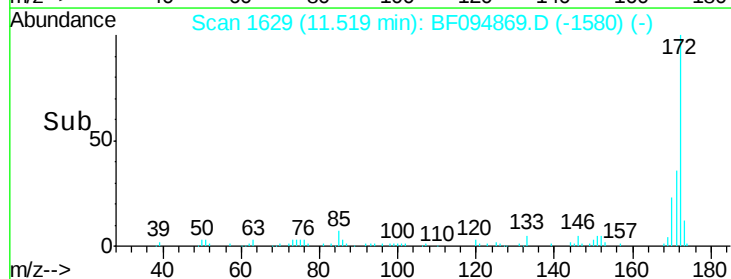
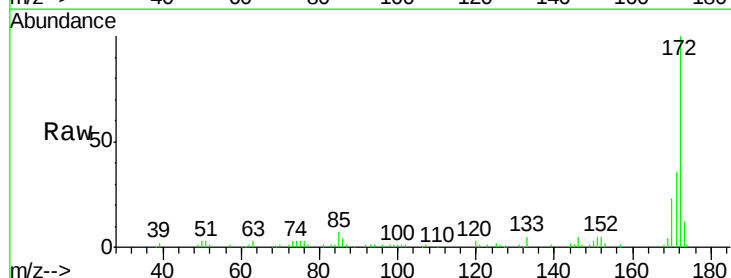
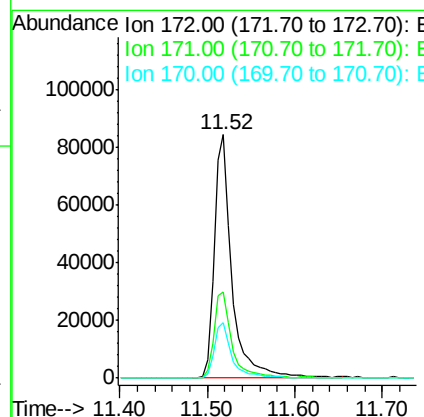
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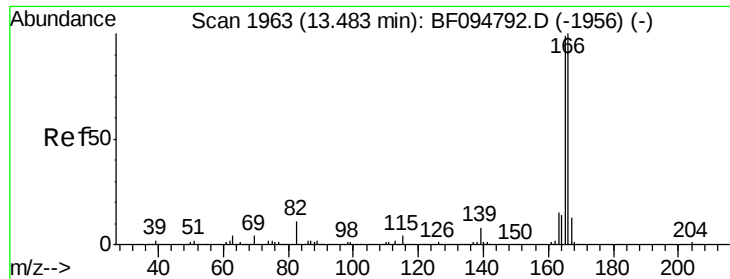
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#44
 2-Fluorobiphenyl
 Concen: 10.99 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	22.7	19.8	29.8





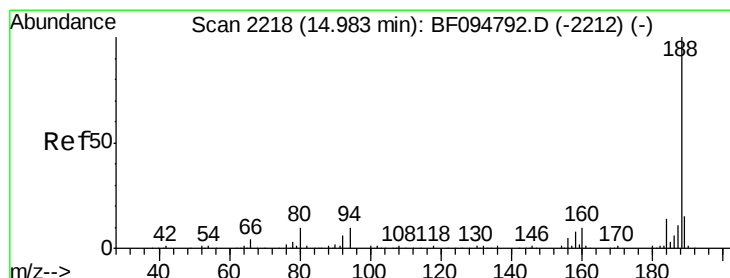
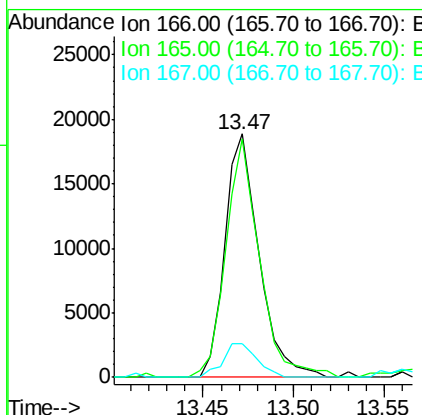
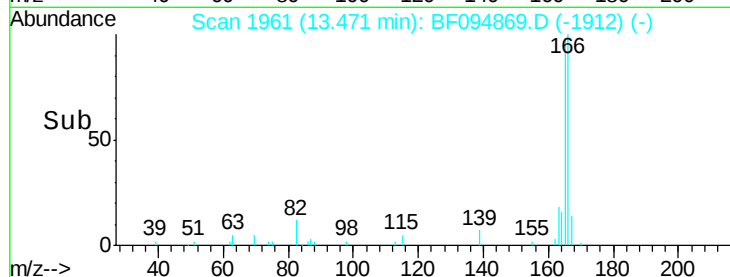
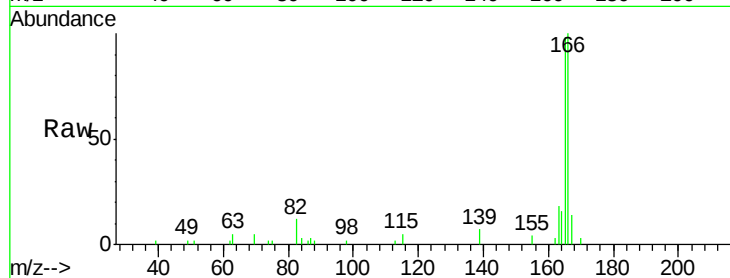
#57
 Fluorene
 Concen: 2.10 ng
 RT: 13.47 min Scan# 1961
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Tgt Ion:166 Resp: 24744
 Ion Ratio Lower Upper
 166 100
 165 98.0 78.8 118.2
 167 13.9 10.6 16.0

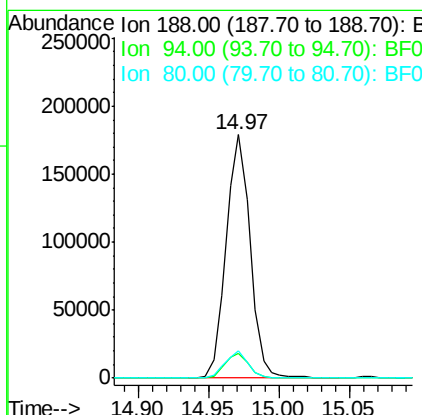
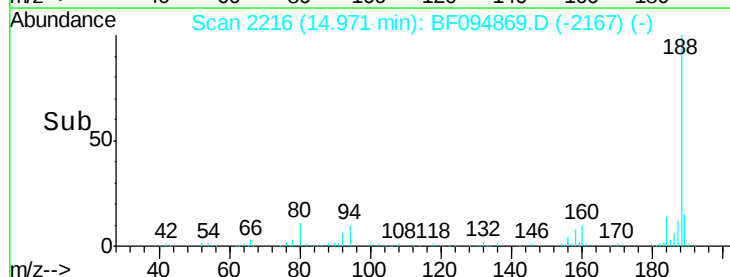
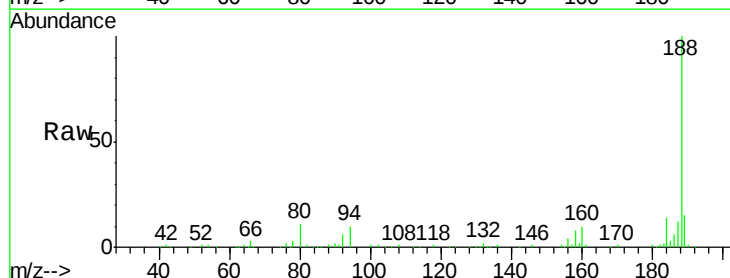
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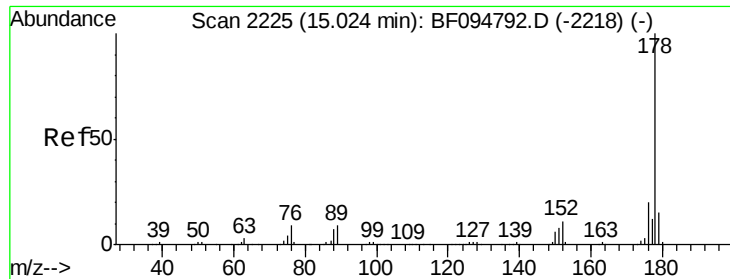
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion:188 Resp: 212107
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.4 14.2
 80 11.1 10.2 15.2





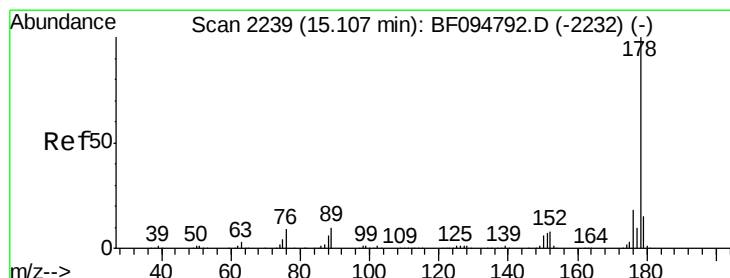
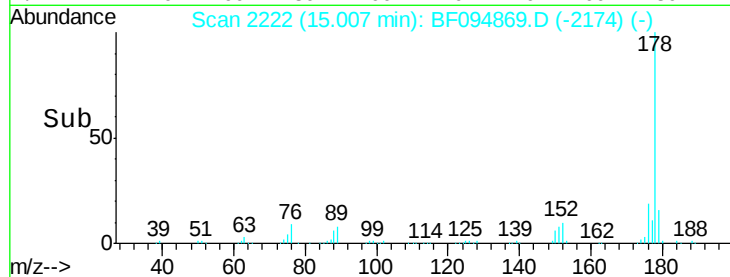
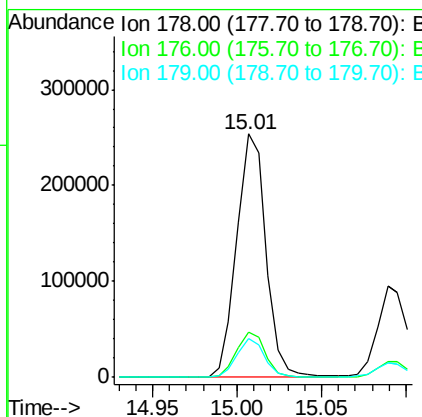
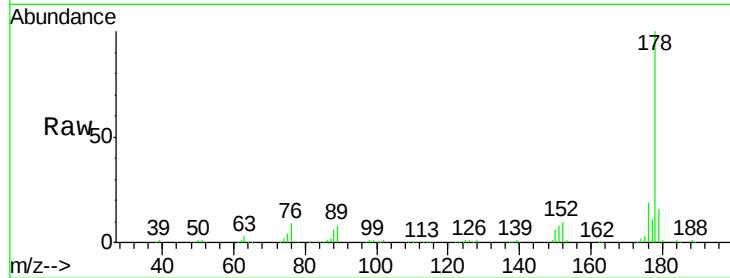
#70
Phenanthrene
Concen: 25.25 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	15.8	12.6	19.0

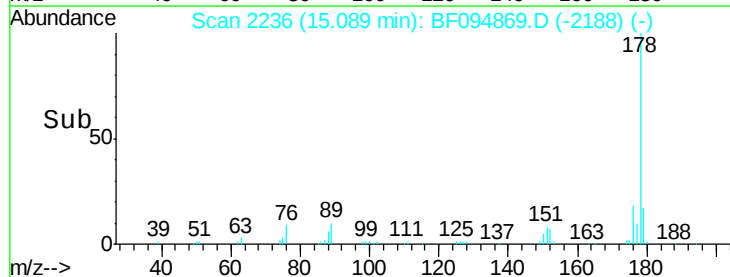
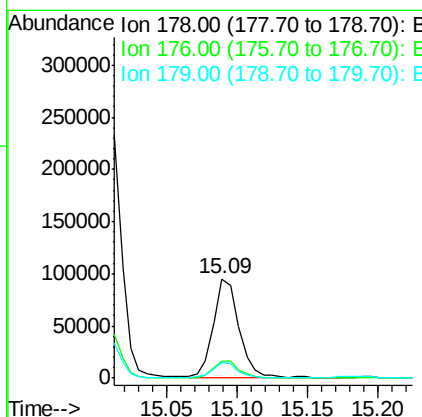
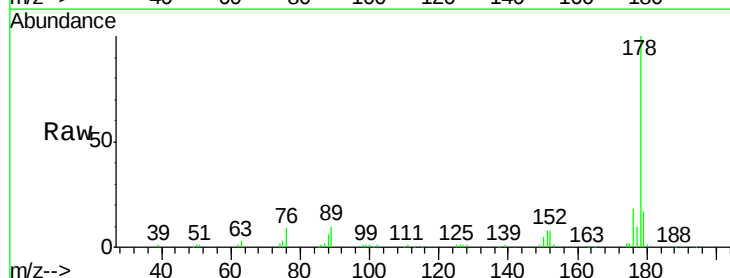
Manual Integrations
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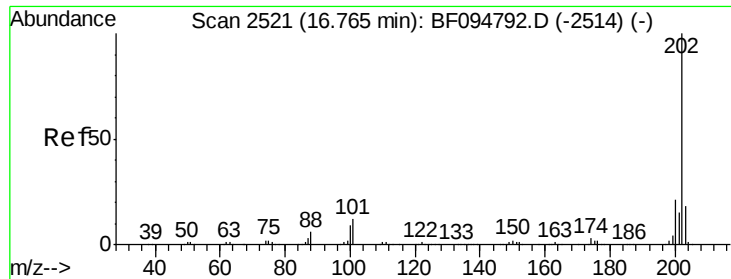
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#71
Anthracene
Concen: 9.58 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	16.6	12.7	19.1





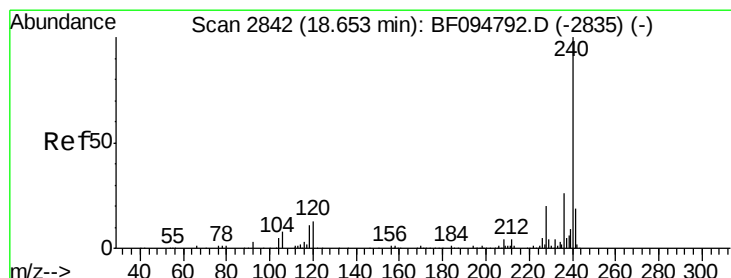
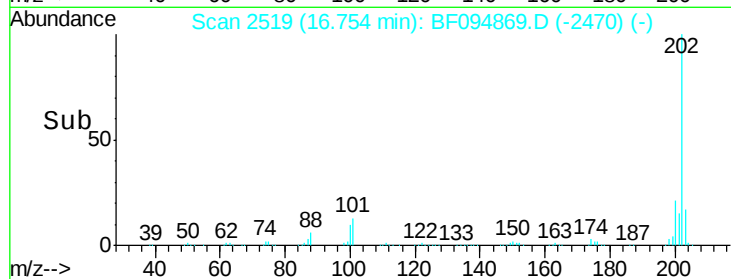
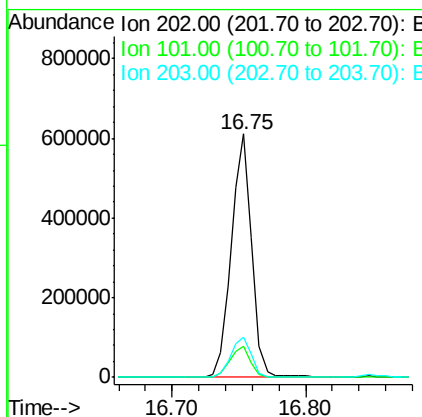
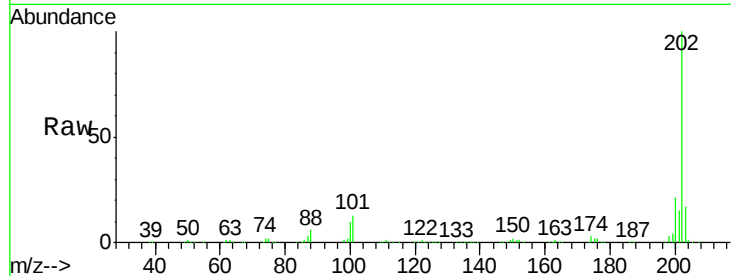
#74
 Fluoranthene
 Concen: 52.48 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.6	0.0	33.2
203	16.7	0.0	38.1

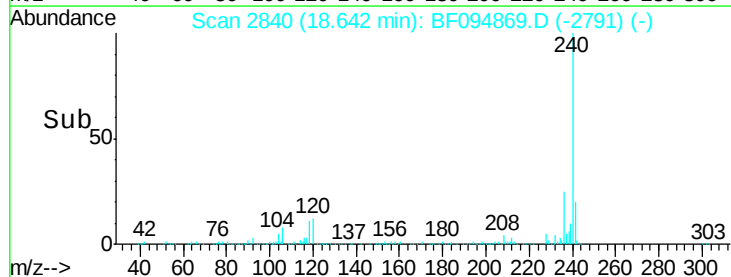
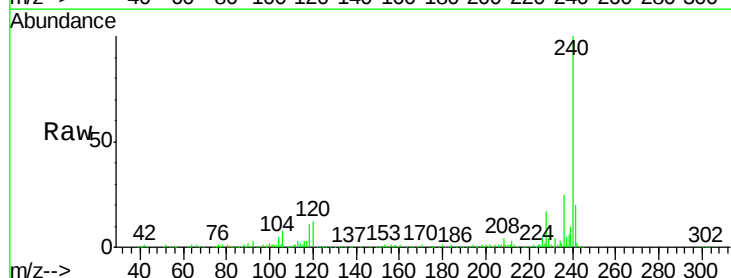
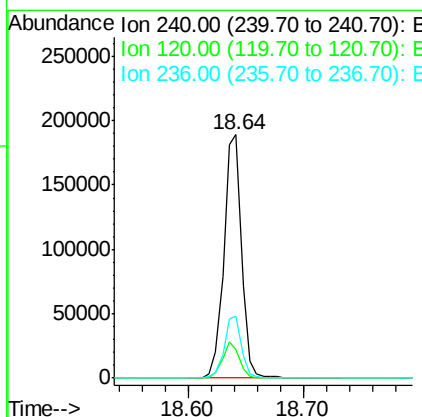
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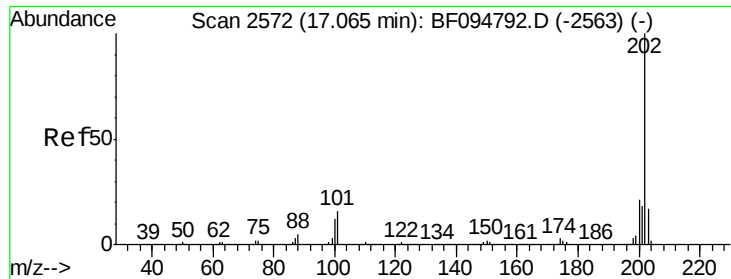
mohammad
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.9	5.8	8.8#
236	25.5	20.5	30.7





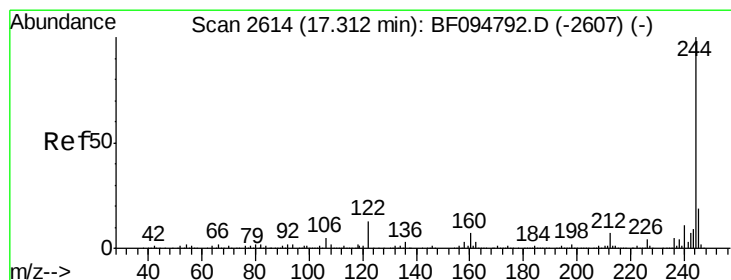
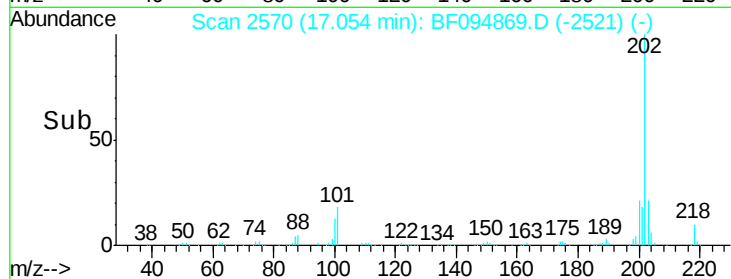
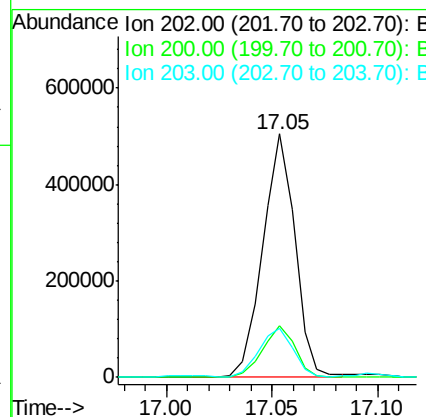
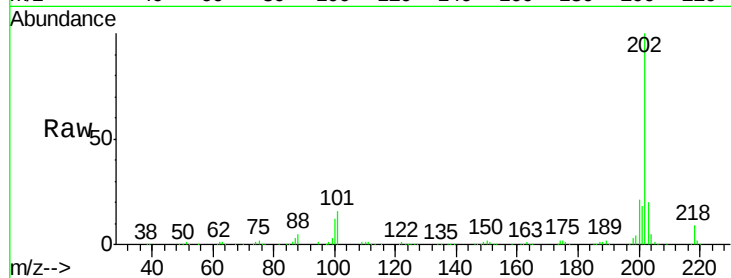
#77
 Pyrene
 Concen: 35.69 ng
 RT: 17.05 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	17.6	26.4
203	20.4	14.4	21.6

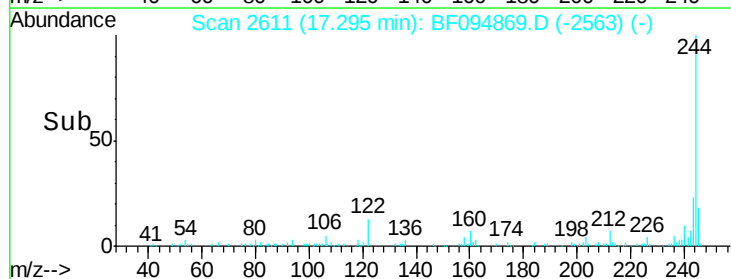
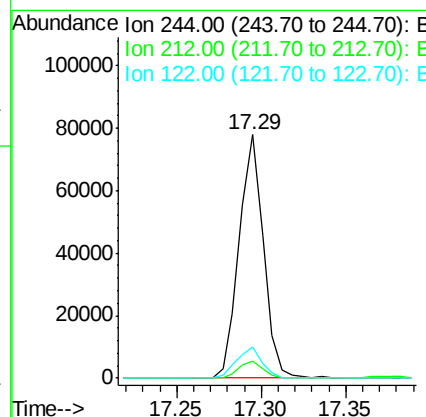
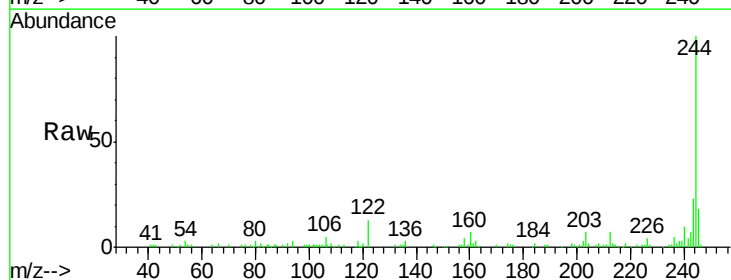
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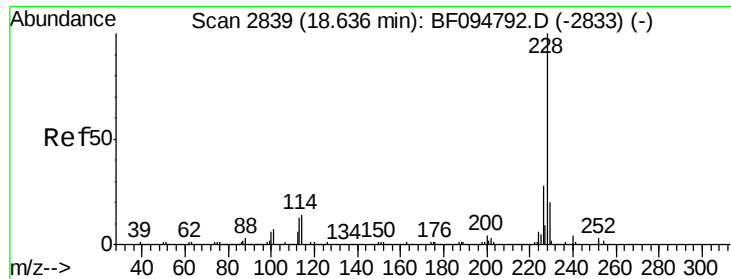
mohammad
 5/4/2017 3:35:46 PM



#78
 Terphenyl-d14
 Concen: 8.58 ng
 RT: 17.29 min Scan# 2611
 Delta R.T. -0.02 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	6.0	9.0
122	13.0	10.3	15.5





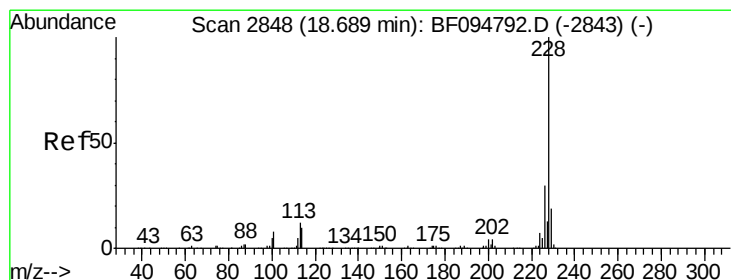
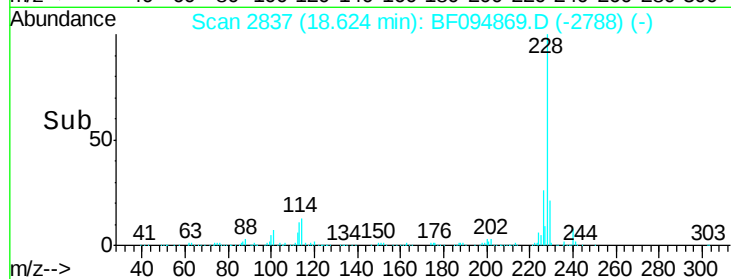
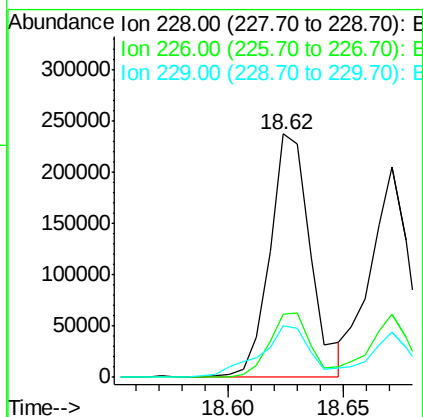
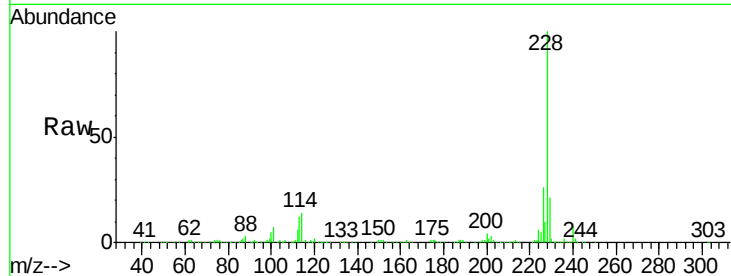
#80
Benzo(a)anthracene
Concen: 24.75 ng
RT: 18.62 min Scan# 2837
Delta R.T. -0.01 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.6	33.8
229	21.0	16.3	24.5

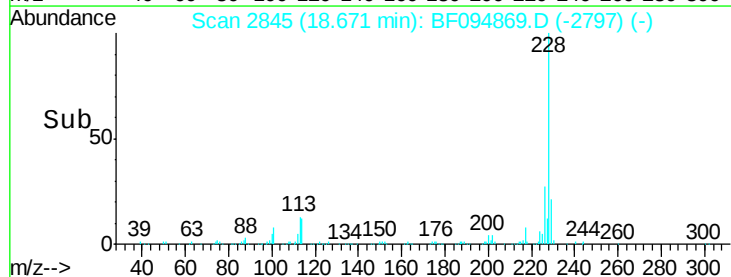
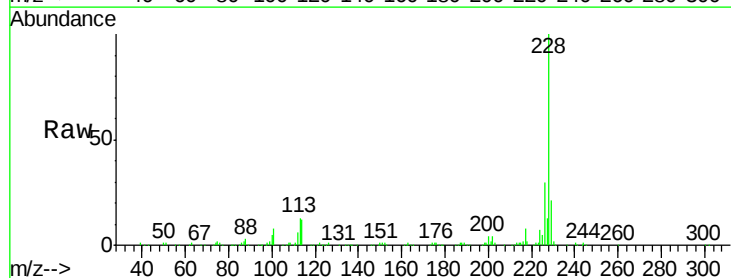
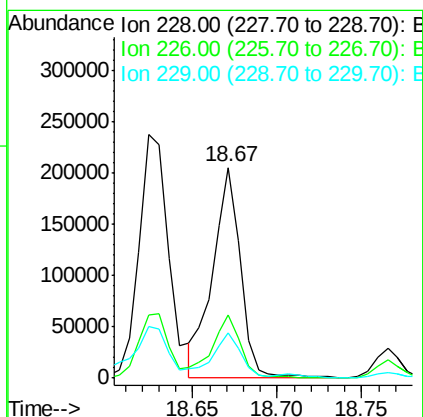
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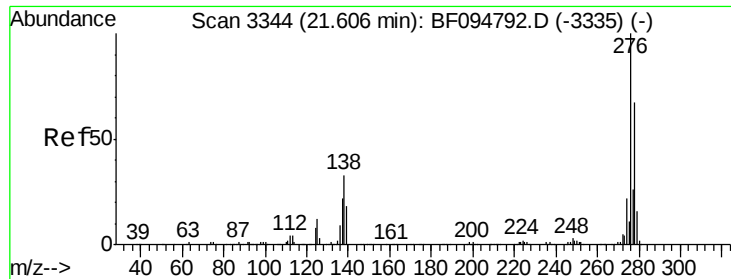
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#82
Chrysene
Concen: 20.74 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	21.2	15.8	23.6





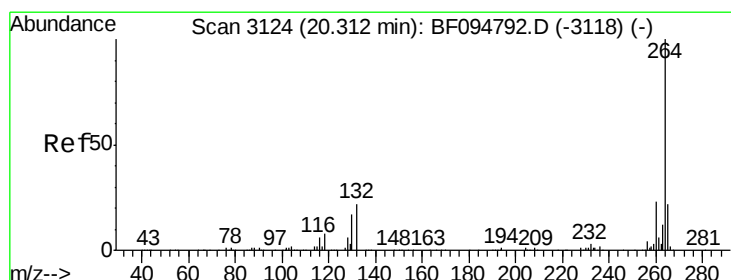
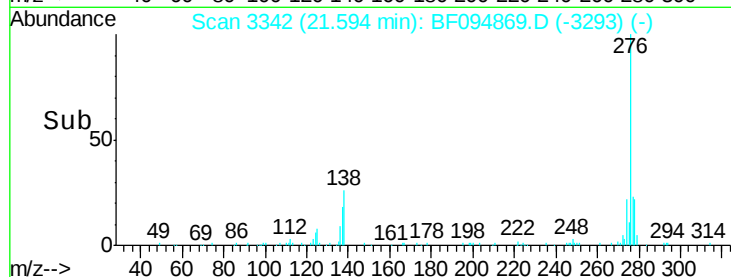
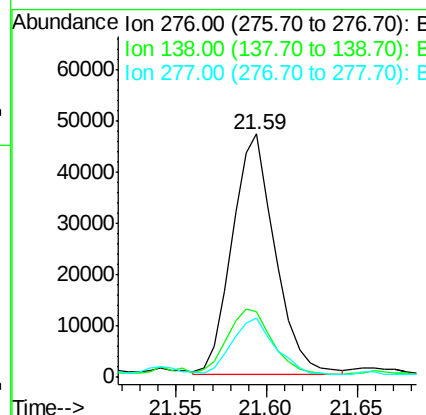
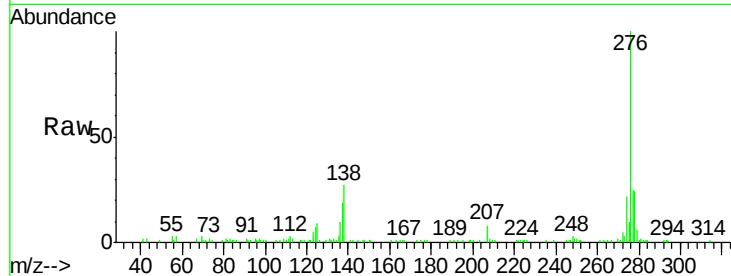
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.42 ng
 RT: 21.59 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Tgt Ion:	276	Resp:	77179
Ion Ratio	Lower	Upper	
276	100		
138	31.8	27.8	41.6
277	23.7	20.2	30.4

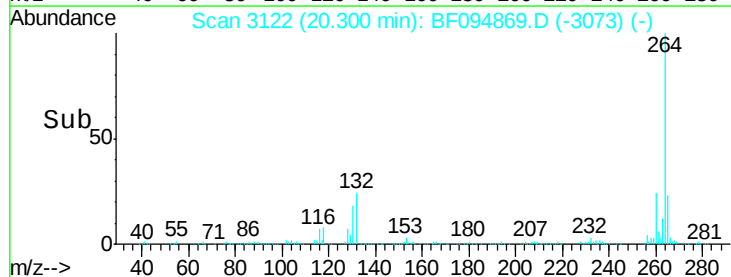
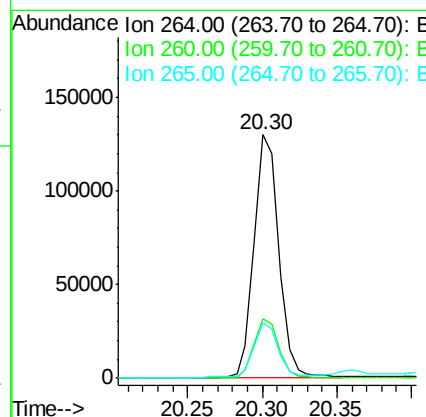
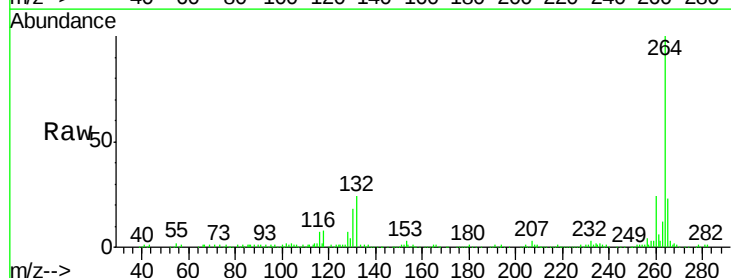
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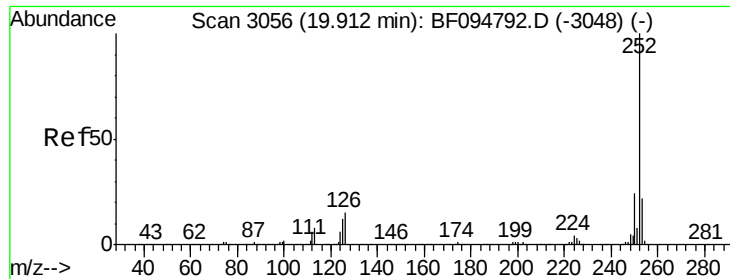
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion:	264	Resp:	149586
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	22.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 29.19 ng m

RT: 19.90 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

Instrument :

BNA_F

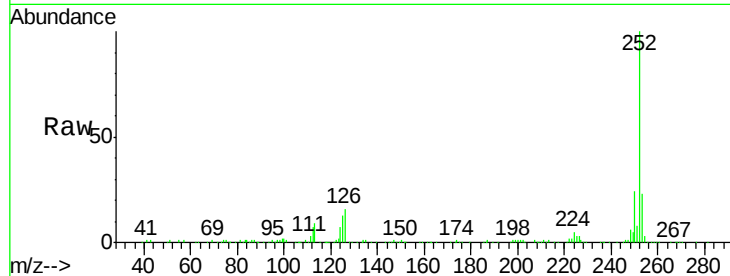
ClientSampleId :

TP3-COMP(0.5-4.5FT)DL

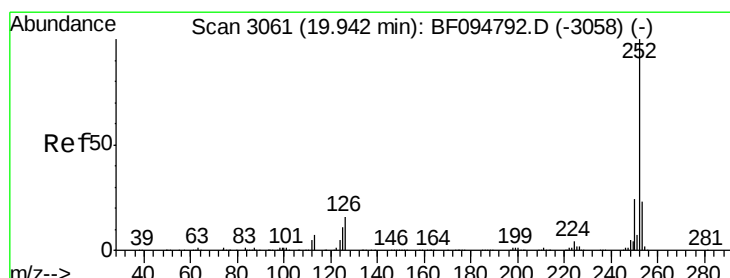
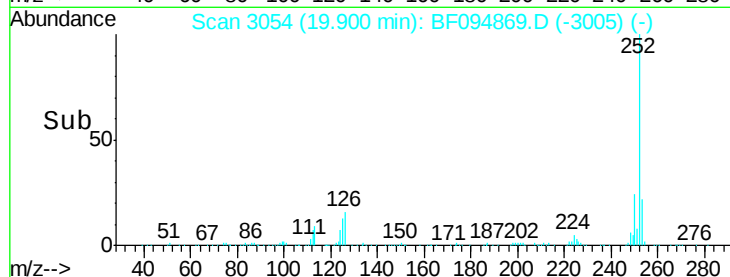
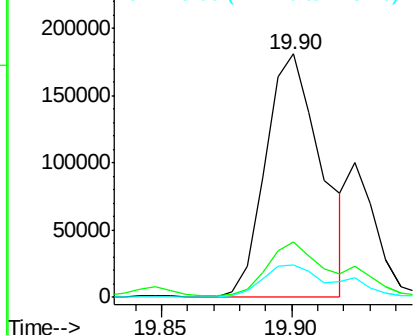
Tgt Ion:	252	Resp:	269784
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	13.4	9.8	14.8

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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



#88

Benzo(k)fluoranthene

Concen: 8.49 ng m

RT: 19.92 min Scan# 3058

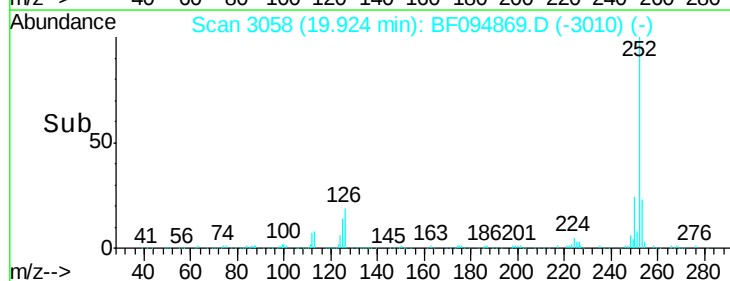
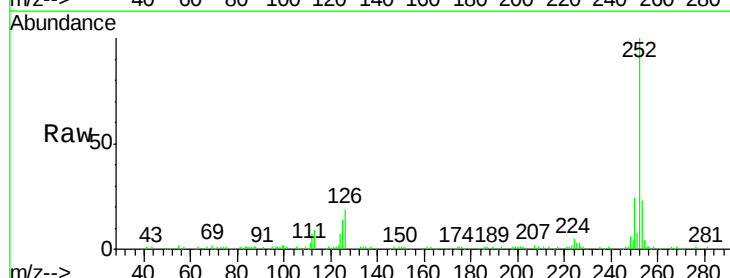
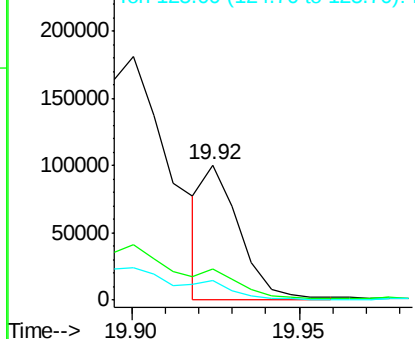
Delta R.T. -0.02 min

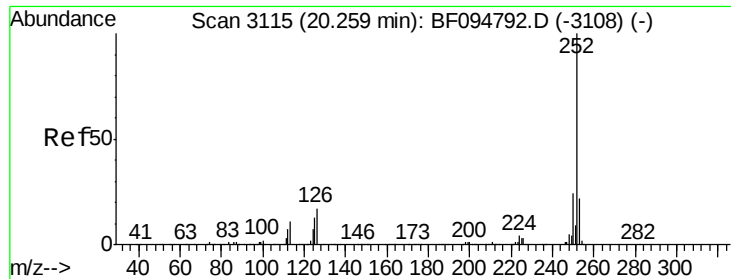
Lab File: BF094869.D

Acq: 4 May 2017 10:58

Tgt Ion:	252	Resp:	75693
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.4	27.6
125	14.2	13.1	19.7

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





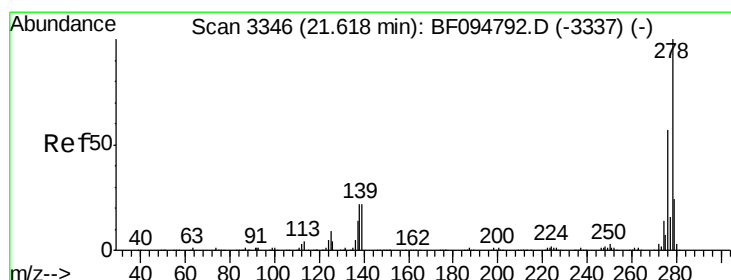
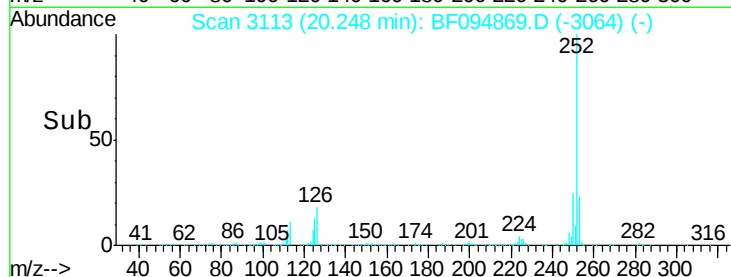
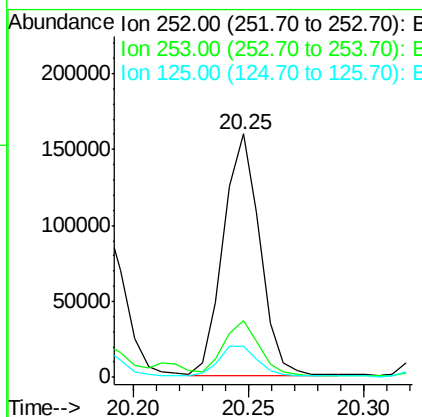
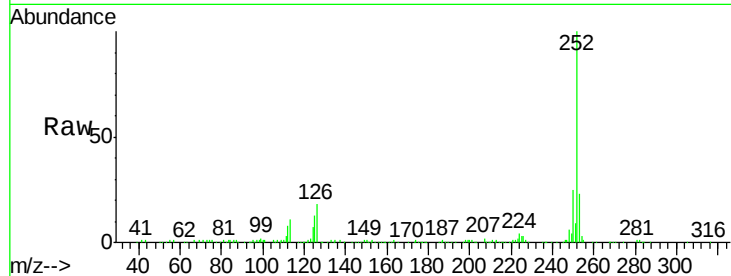
#89
Benzo(a)pyrene
Concen: 20.69 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	13.0	11.0	16.4

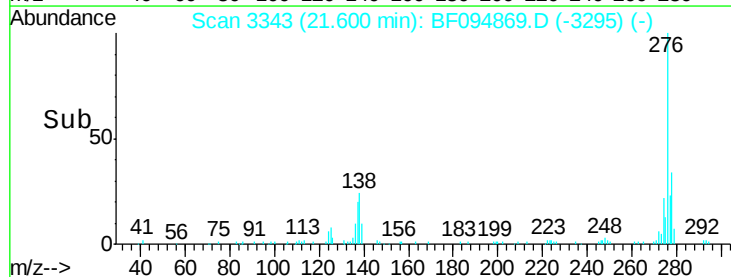
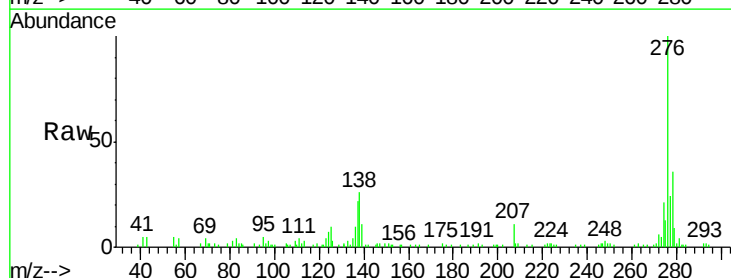
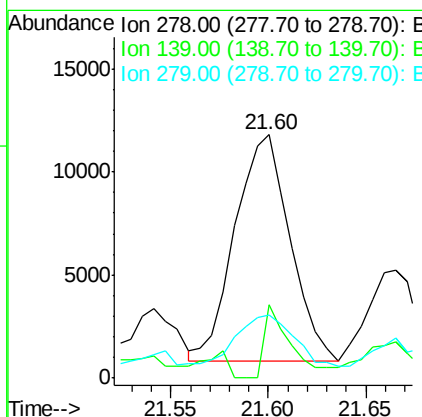
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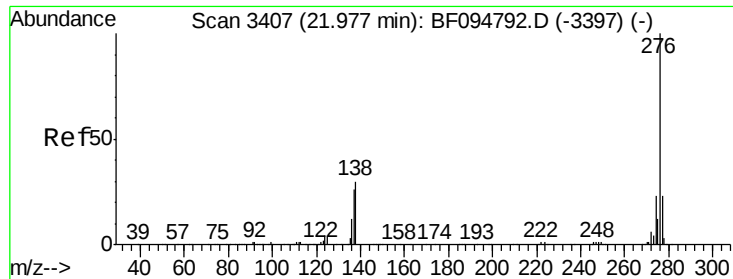
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#90
Dibenzo(a,h)anthracene
Concen: 3.03 ng
RT: 21.60 min Scan# 3343
Delta R.T. -0.02 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.3	16.6	24.8#
279	26.1	19.3	28.9





#91
 Benzo(g,h,i)perylene
 Concen: 10.28 ng
 RT: 21.97 min Scan# 3406
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Tgt Ion:	276	Resp:	71041
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	28.4	25.4	38.0

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