

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098888.D
 Acq On : 28 Sep 2017 3:09
 Operator : SJ/JU
 Sample : I5360-05 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C-COMP

Manual Integrations
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Quant Time: Sep 28 07:28:35 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	6.92	152	140846	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	553455	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	220964	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	358653	20.00	ng	0.00
75) Chrysene-d12	14.08	240	303110	20.00	ng	0.00
86) Perylene-d12	15.57	264	221402	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	182147	20.59	ng	-0.02
7) Phenol-d6	6.53	99	220080	20.16	ng	-0.02
23) Nitrobenzene-d5	7.47	82	124825	14.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	30739	17.00	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	229617	17.35	ng	-0.01
78) Terphenyl-d14	13.02	244	177647	13.33	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.22	128	91387	3.516	ng	98
70) Phenanthrene	11.46	178	192254	10.014	ng	97
71) Anthracene	11.52	178	63690	3.242	ng	98
74) Fluoranthene	12.65	202	356168	18.322	ng	99
77) Pyrene	12.89	202	352361	15.245	ng	99
80) Benzo(a)anthracene	14.07	228	173269	9.440	ng	97
82) Chrysene	14.10	228	165194	9.454	ng	98
83) Bis(2-ethylhexyl)phthalate	14.05	149	49360	3.300	ng	96
85) Indeno(1,2,3-cd)pyrene	17.08	276	50742	3.630	ng	98
87) Benzo(b)fluoranthene	15.13	252	177996m	13.076	ng	
88) Benzo(k)fluoranthene	15.16	252	58169m	4.326	ng	
89) Benzo(a)pyrene	15.51	252	99431	7.957	ng	# 96
91) Benzo(a,h,i)perylene	17.54	276	45661	4.619	ng	93

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

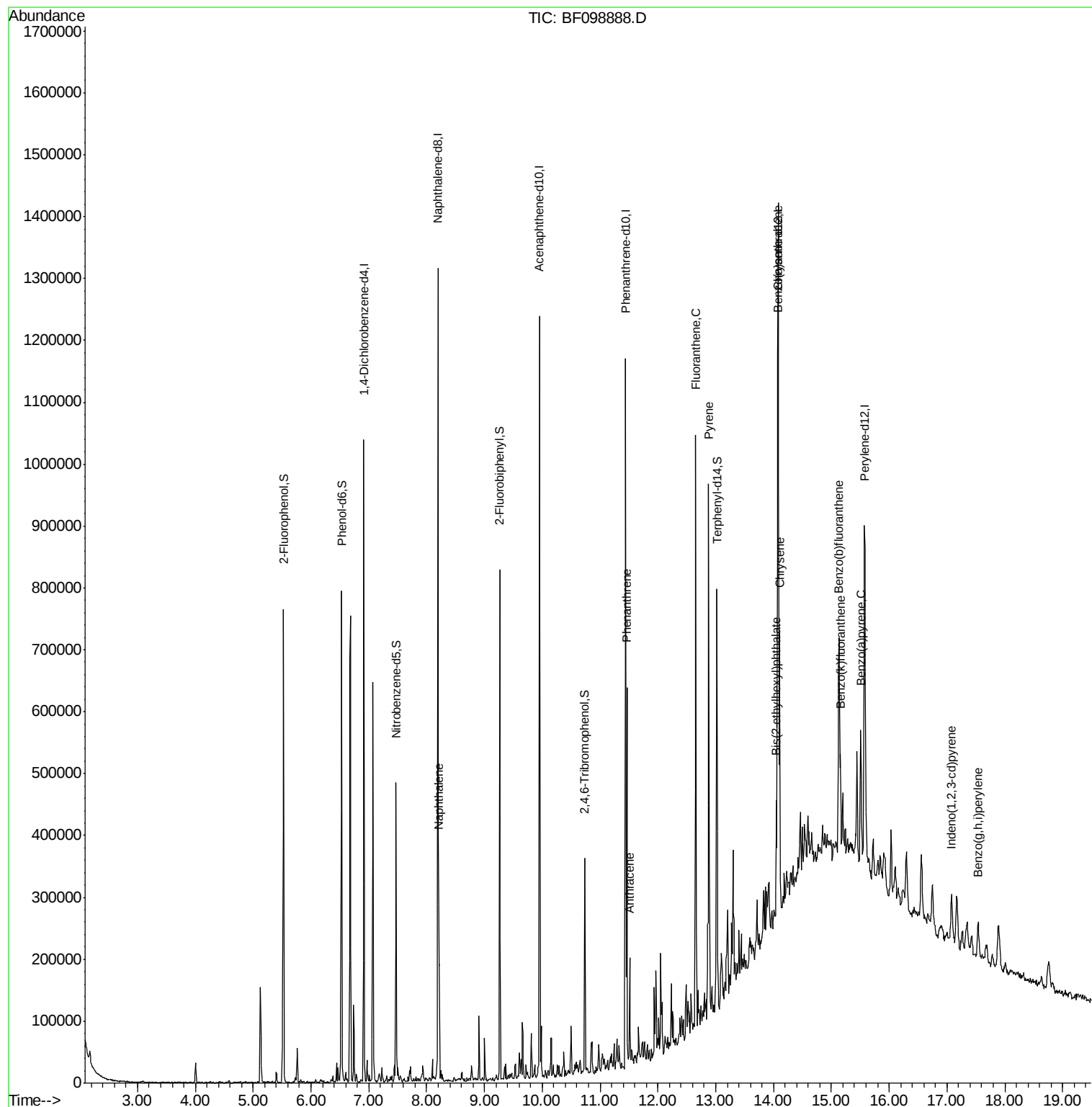
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
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ALS Vial : 24 Sample Multiplier: 1

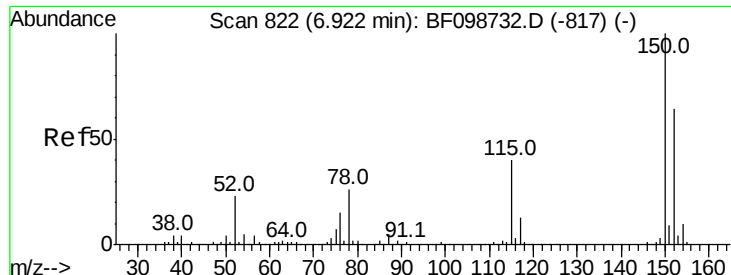
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

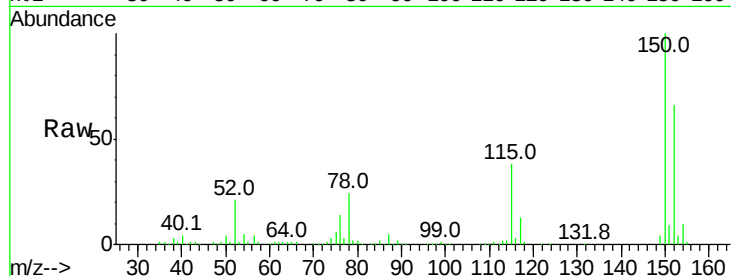
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.6	186.8
115	58.2	50.1	75.1

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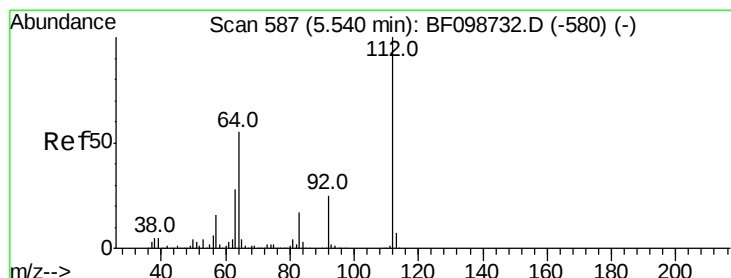
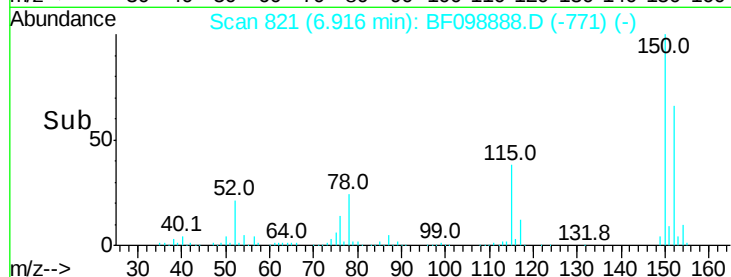
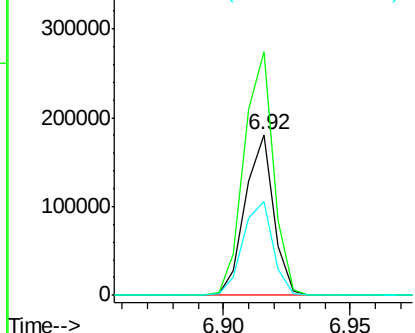


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

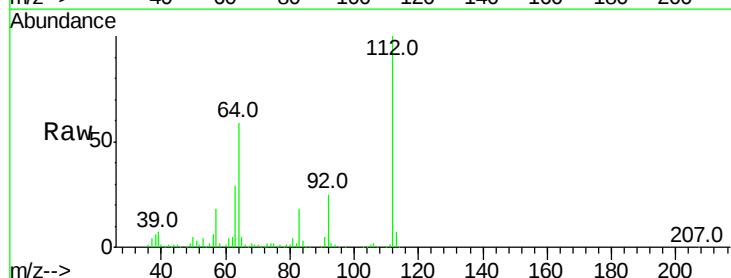
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.587 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	29.0	23.7	35.5

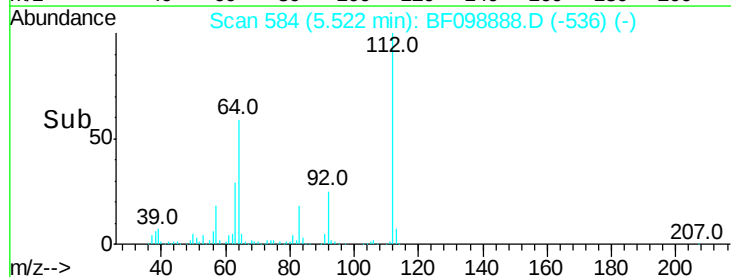
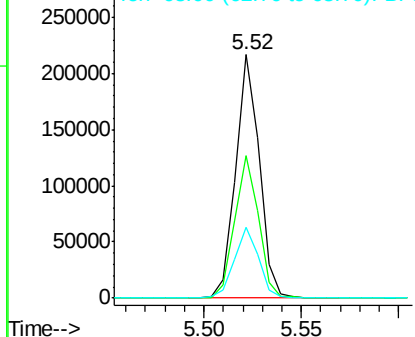


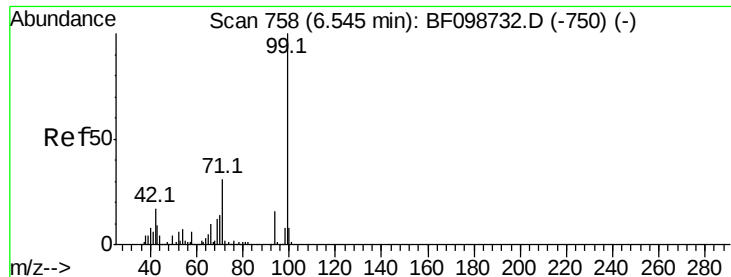
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.164 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

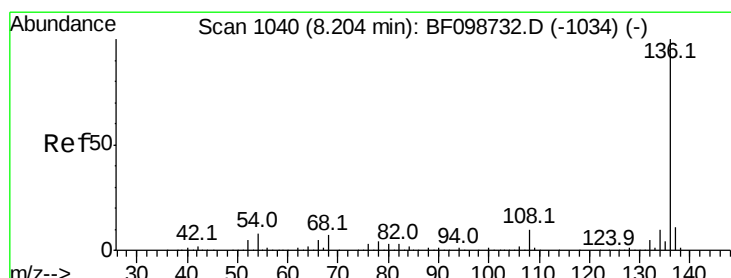
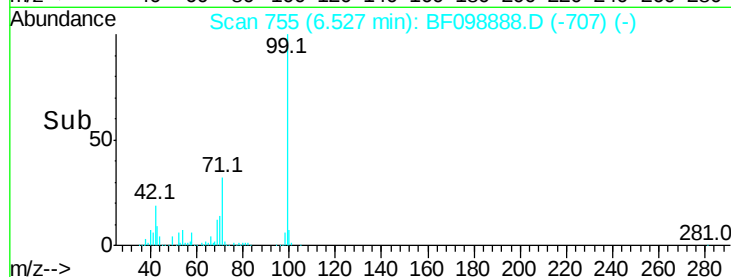
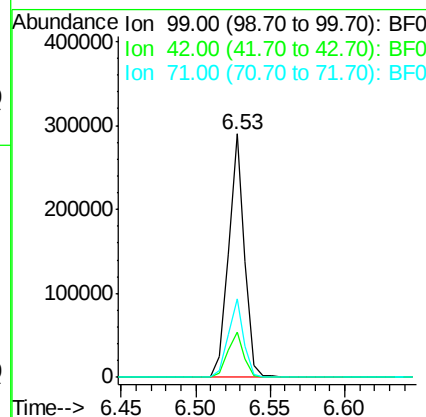
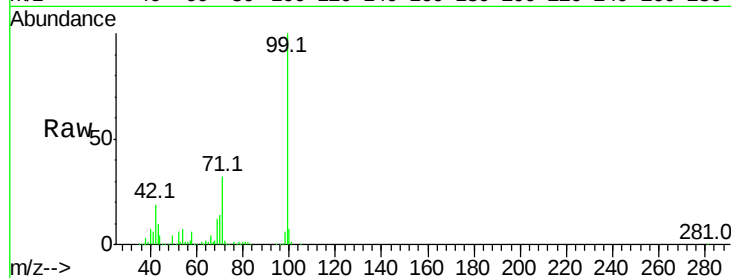
ClientSampleId :

SP-1-C-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		220080		
42	18.6	14.5	21.7		
71	32.1	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

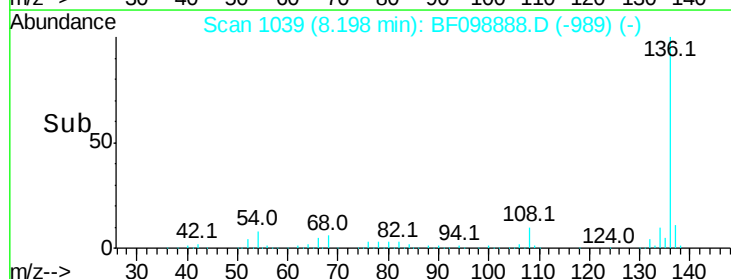
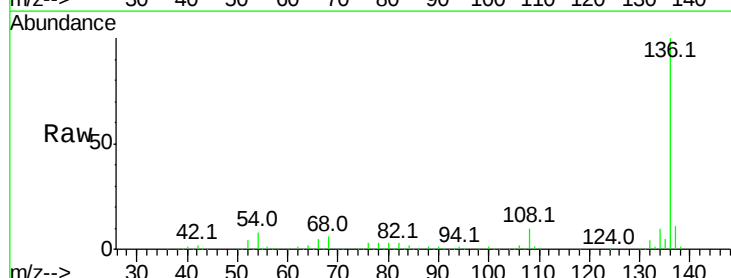
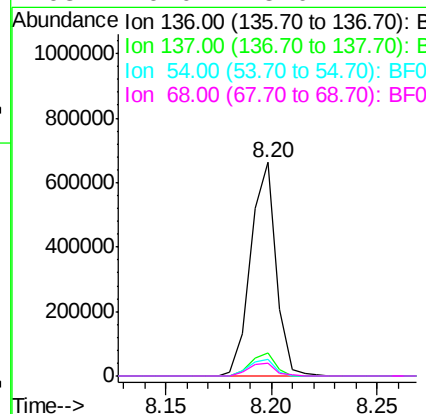
RT: 8.20 min Scan# 1039

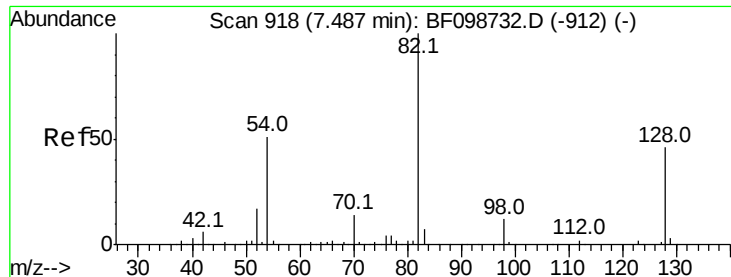
Delta R.T. -0.01 min

Lab File: BF098888.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		553455		
137	11.0	8.9	13.3		
54	7.6	6.6	9.8		
68	6.0	5.0	7.4		





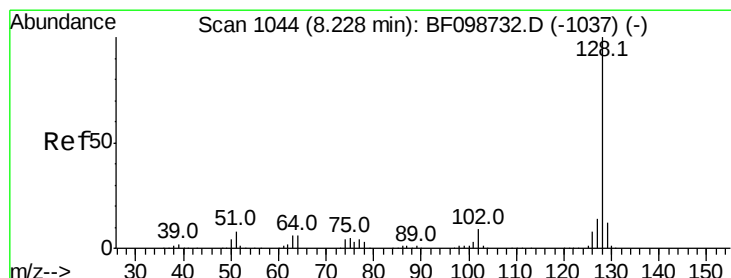
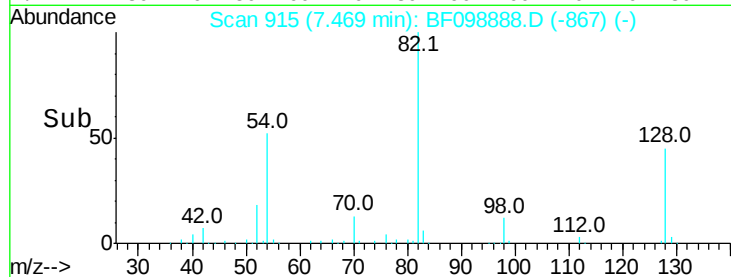
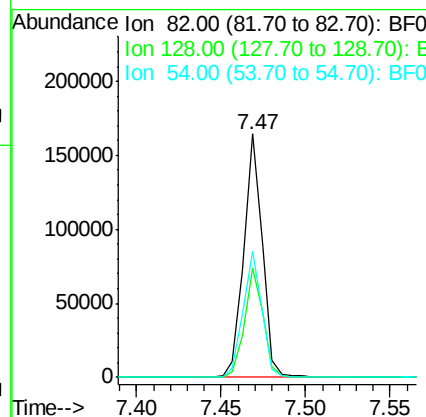
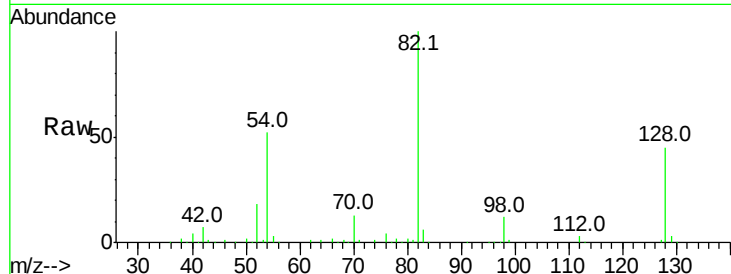
#23
 Nitrobenzene-d5
 Concen: 14.464 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C-COMP

Tot Ion:	82	Resp:	124825
Ion Ratio	Lower	Upper	
82	100		
128	44.7	36.1	54.1
54	51.9	41.4	62.2

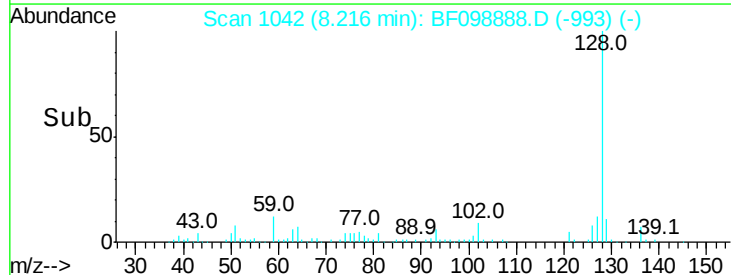
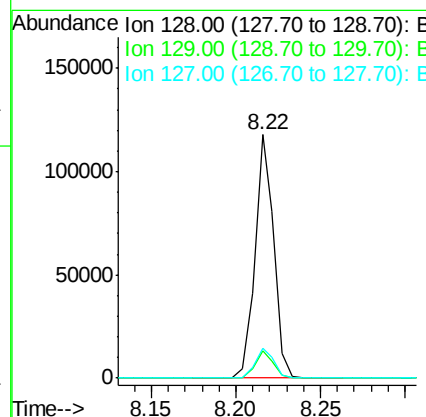
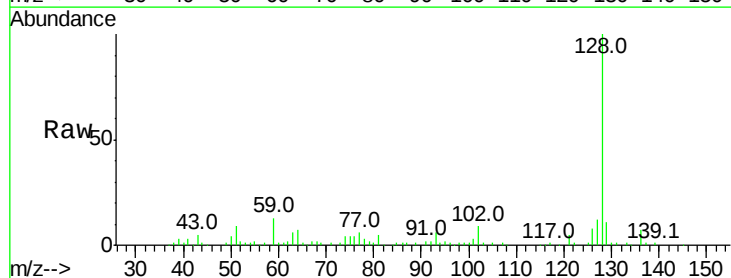
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#31
 Naphthalene
 Concen: 3.516 ng
 RT: 8.22 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Tgt Ion:	128	Resp:	91387
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	12.5	10.9	16.3





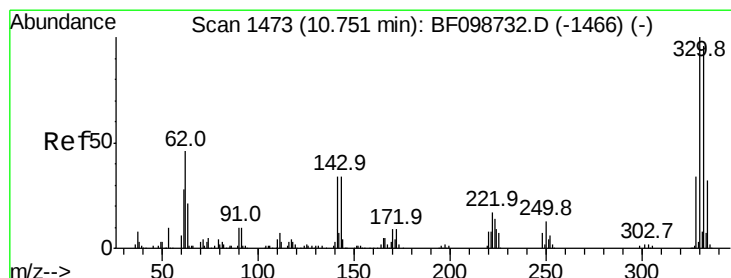
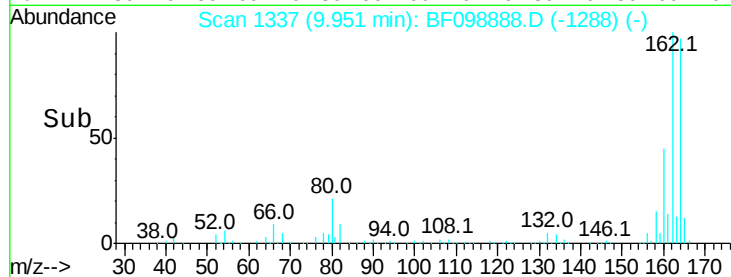
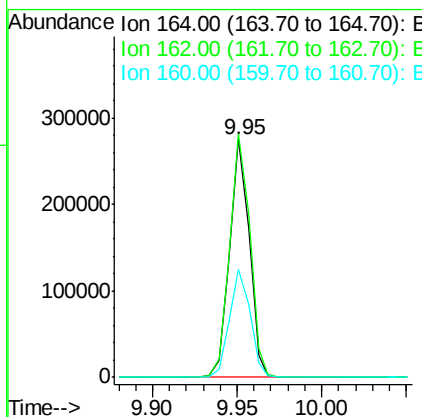
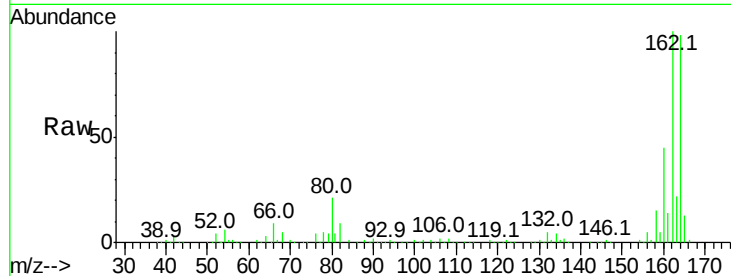
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	220964		
162	102.3	86.1	129.1	
160	45.6	38.3	57.5	

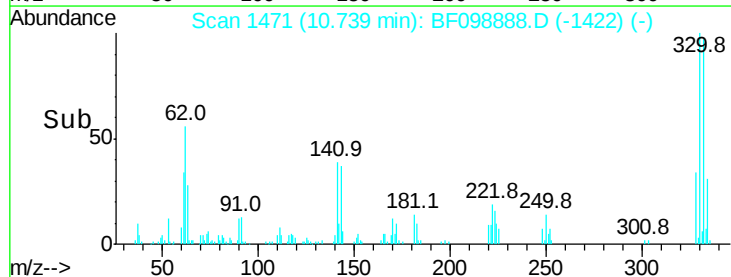
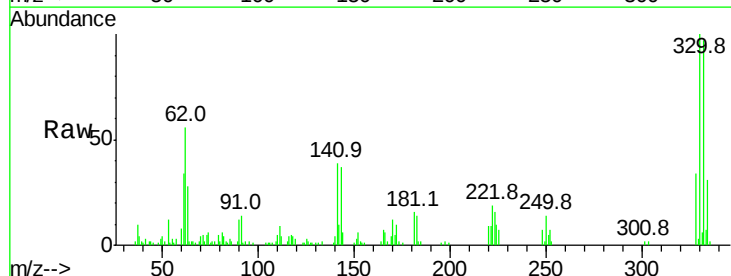
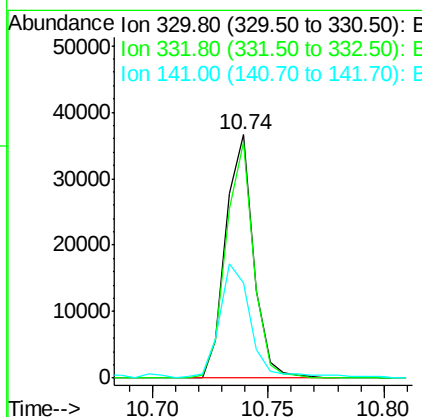
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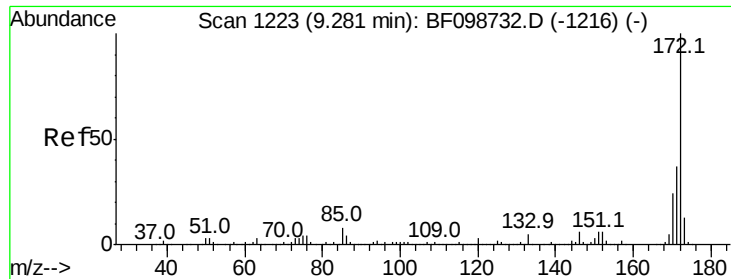
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#41
2,4,6-Tribromophenol
Concen: 17.001 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	30739		
332	95.5	77.0	115.6	
141	54.1	29.9	44.9#	





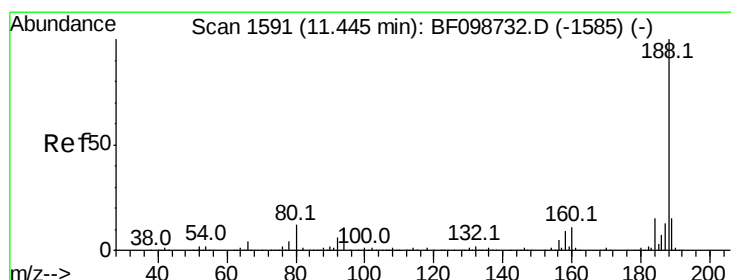
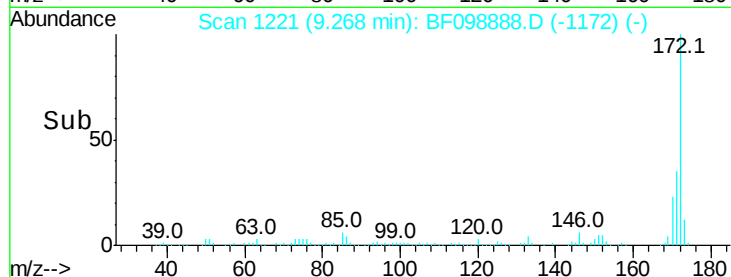
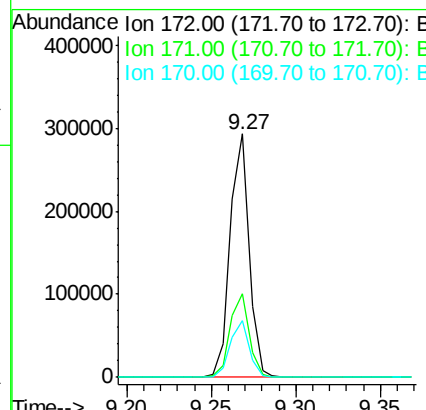
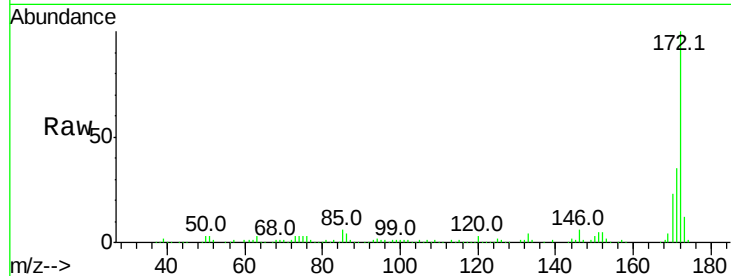
#44
 2-Fluorobiphenyl
 Concen: 17.348 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C-COMP

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	34.5	29.7	44.5
170	23.2	19.6	29.4

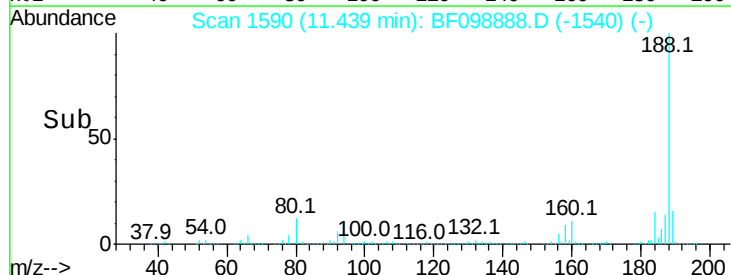
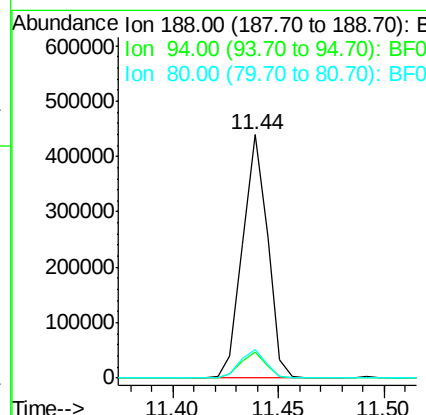
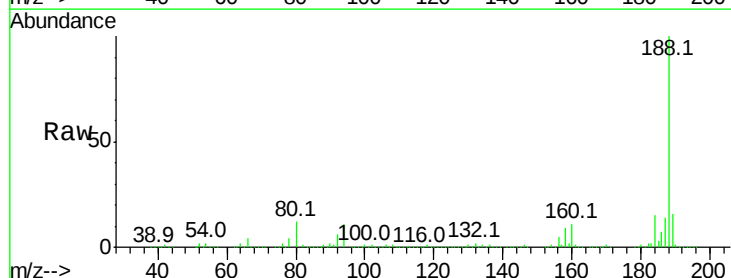
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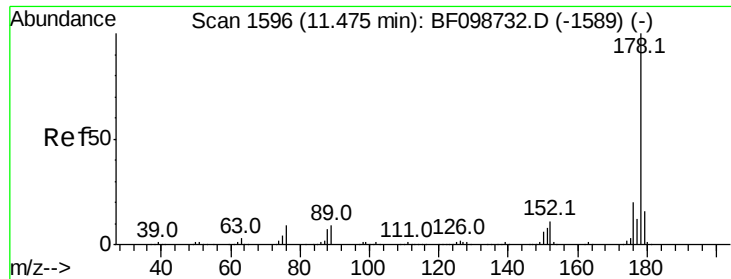
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.6	9.2	13.8





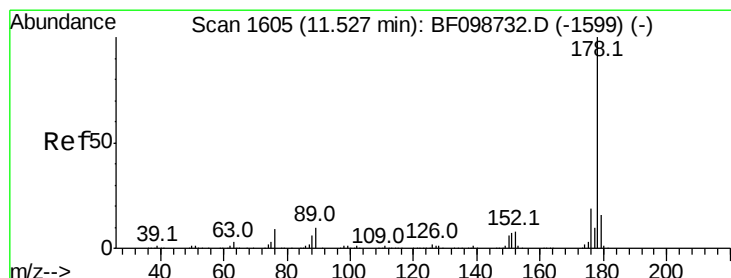
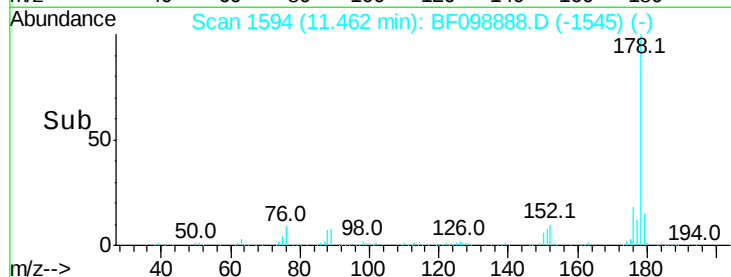
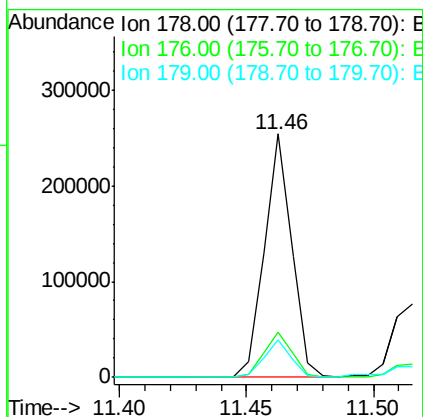
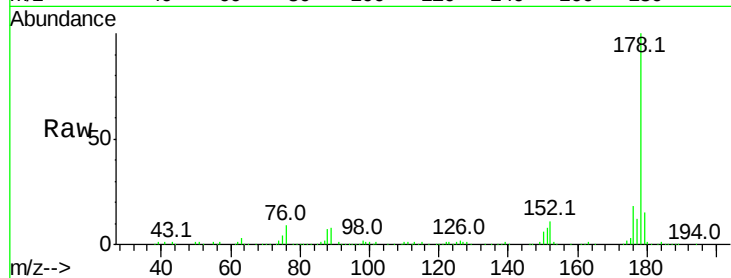
#70
Phenanthrene
Concen: 10.014 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.4	13.0	19.6

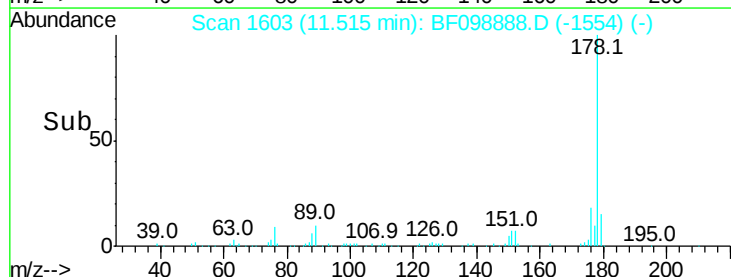
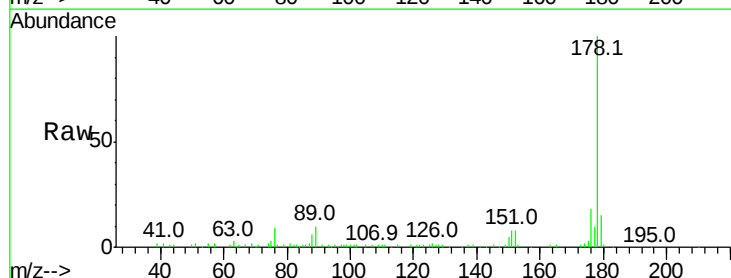
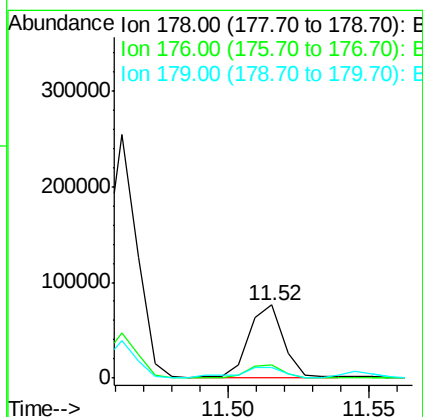
Manual Integrations
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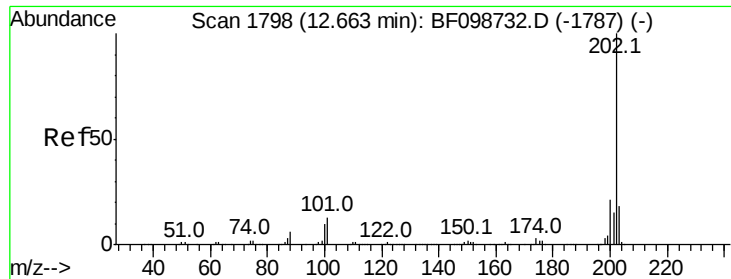
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#71
Anthracene
Concen: 3.242 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.7	12.6	19.0





#74

Fluoranthene

Concen: 18.322 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

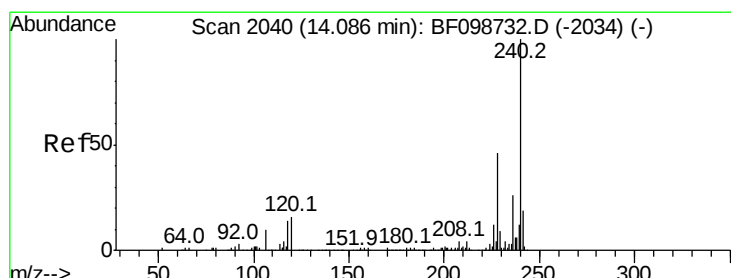
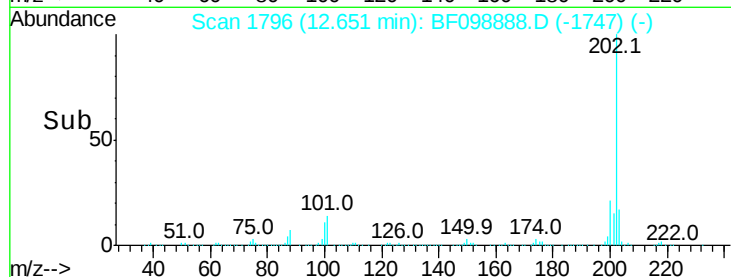
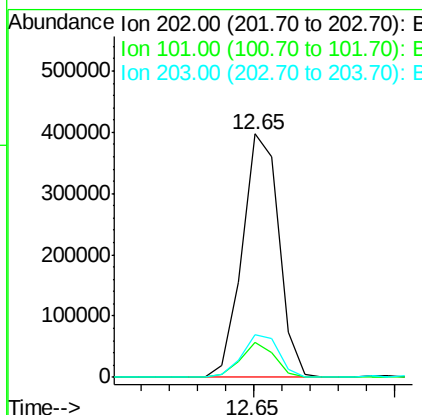
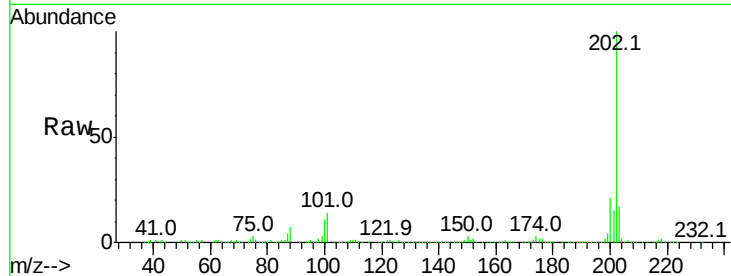
ClientSampleId :

SP-1-C-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.2	0.0	34.1
203	17.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

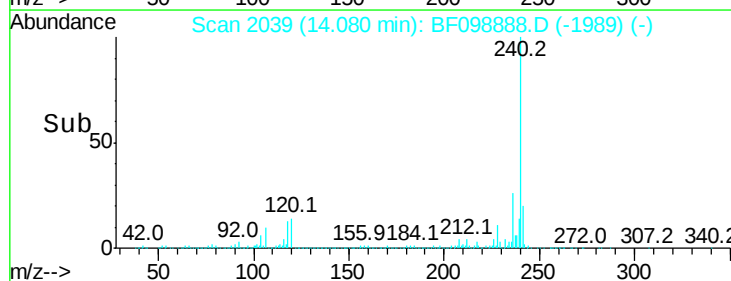
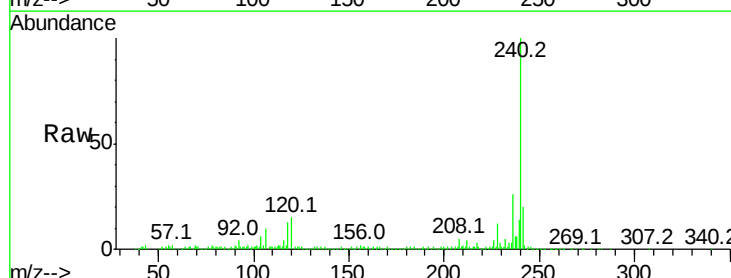
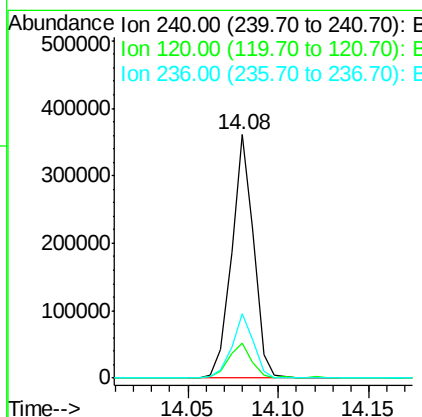
RT: 14.08 min Scan# 2039

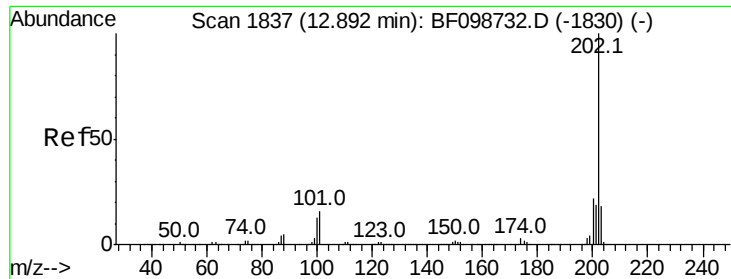
Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.6	9.5	14.3#
236	26.3	20.7	31.1





#77

Pvrene

Concen: 15.245 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Instrument :

BNA_F

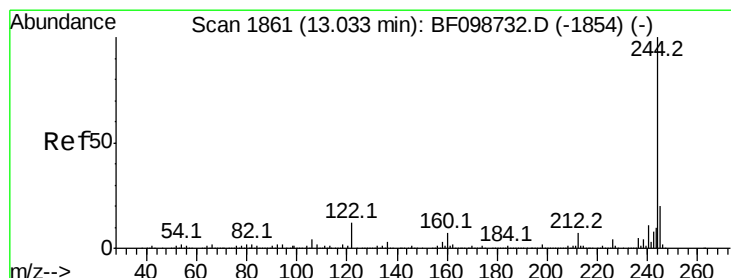
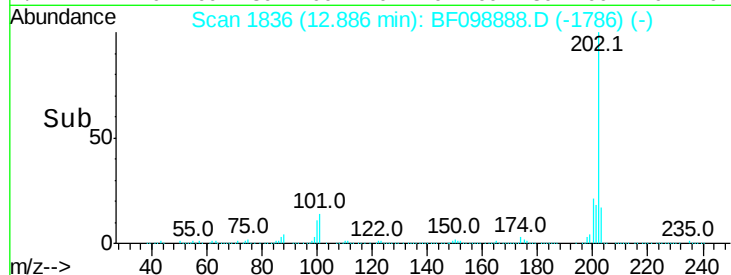
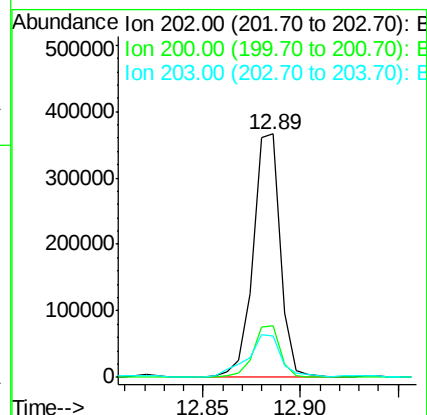
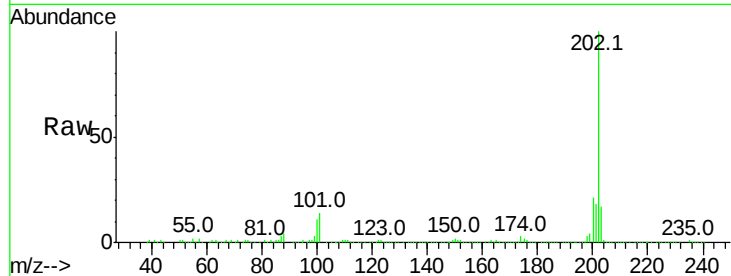
ClientSampleId :

SP-1-C-COMP

Tot Ion:	202	Resp:	352361
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 13.329 ng

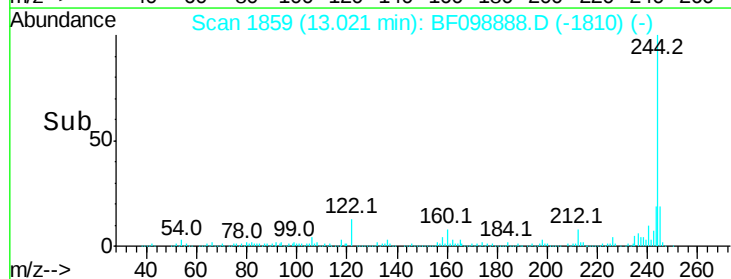
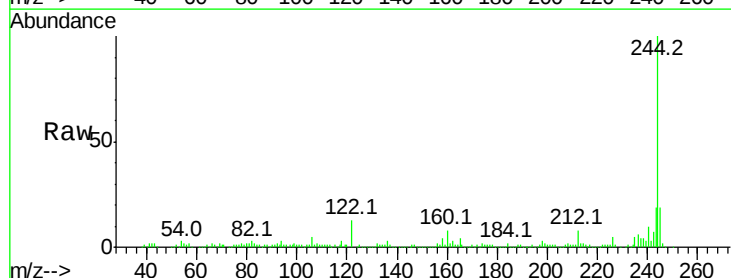
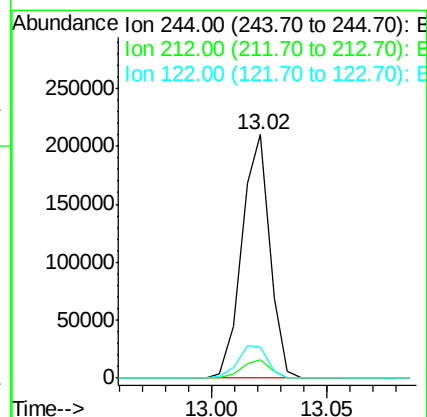
RT: 13.02 min Scan# 1859

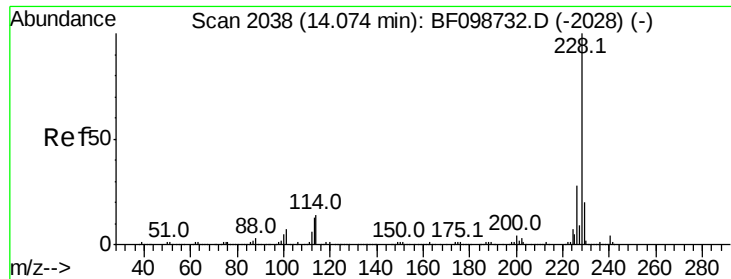
Delta R.T. -0.01 min

Lab File: BF098888.D

Acq: 28 Sep 2017 3:09

Tgt Ion:	244	Resp:	177647
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.4	8.0
122	12.9	11.0	16.4





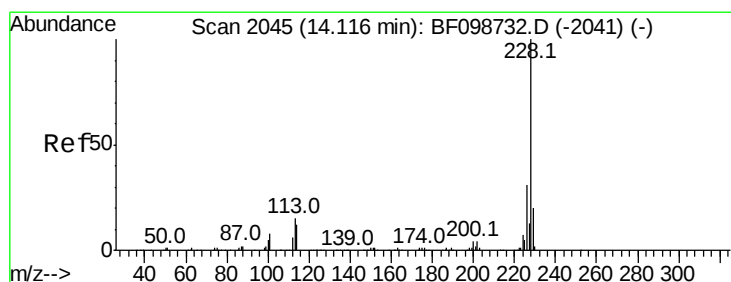
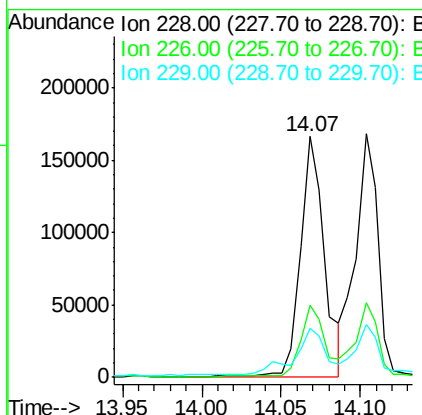
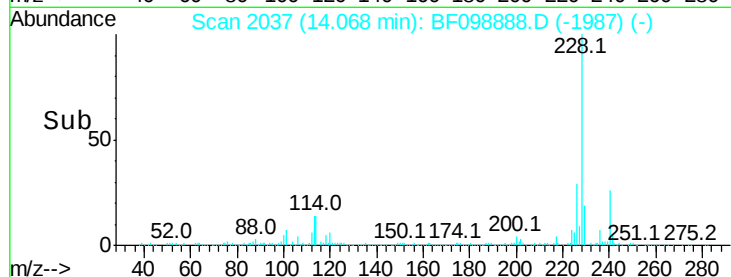
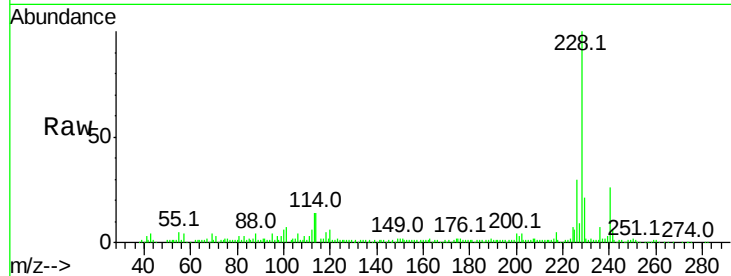
#80
Benzo(a)anthracene
Concen: 9.440 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.6	15.8	23.6

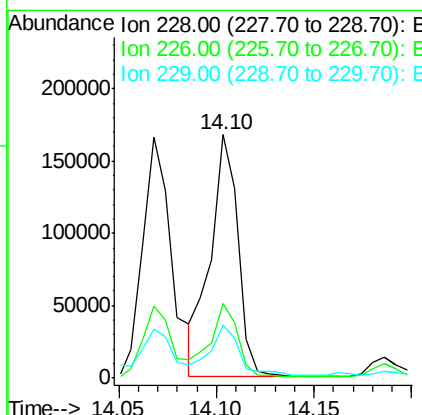
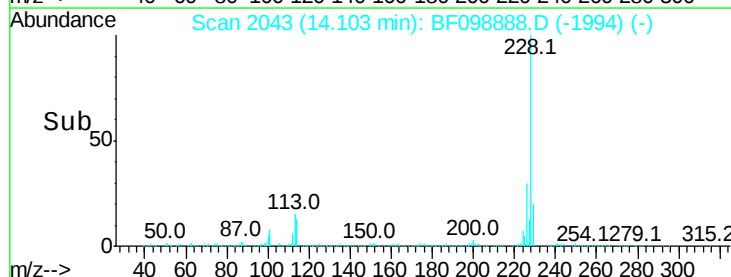
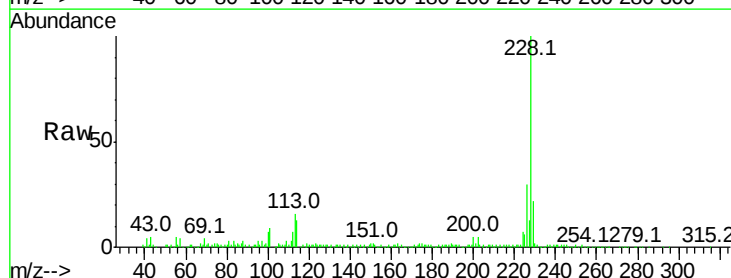
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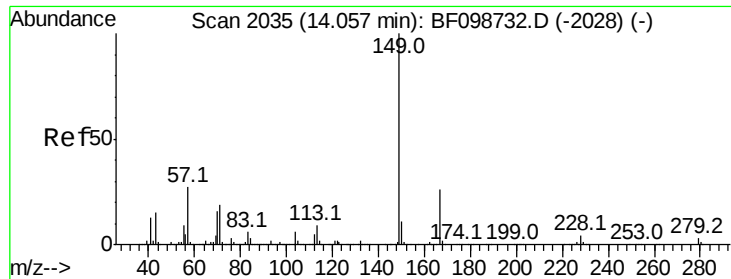
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#82
Chrysene
Concen: 9.454 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.7	16.2	24.4





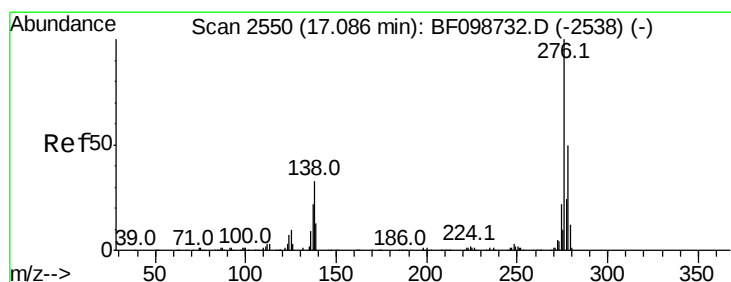
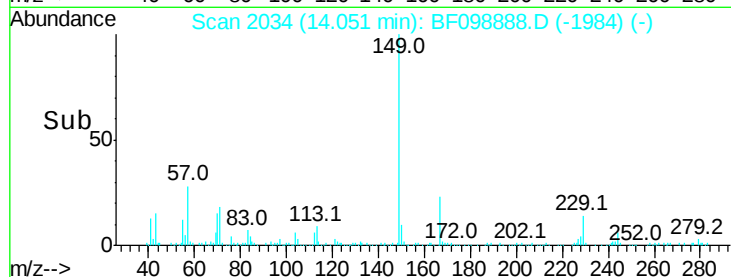
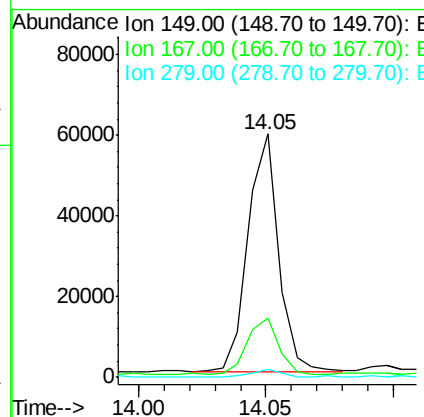
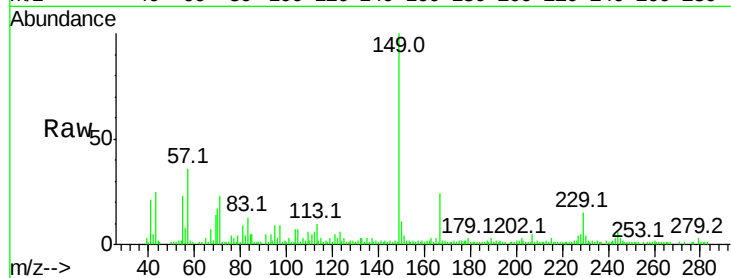
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.300 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.2	21.3	31.9
279	3.3	3.0	4.4

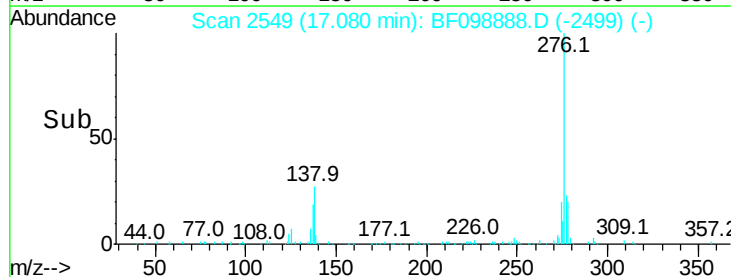
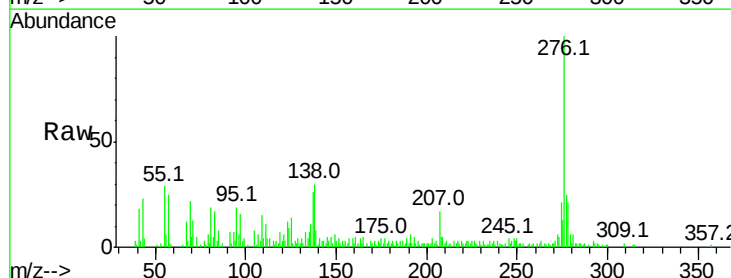
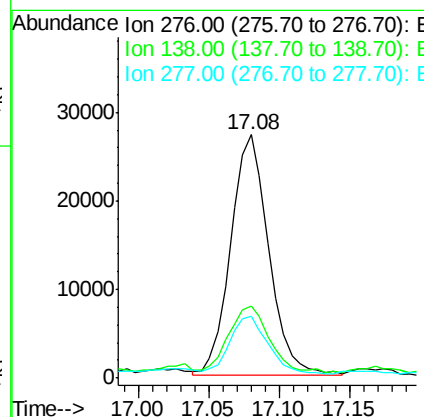
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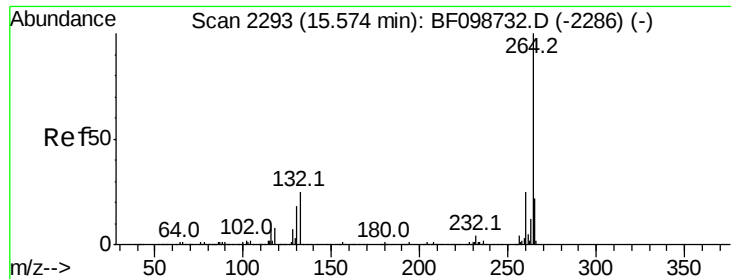
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.630 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	24.7	20.1	30.1





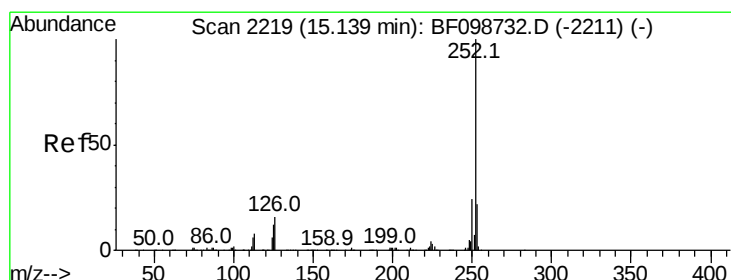
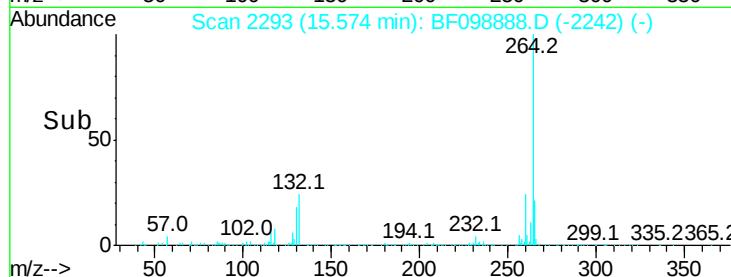
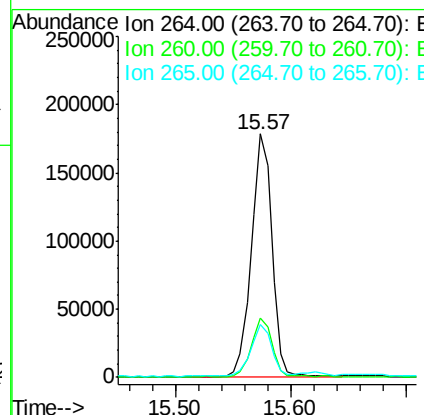
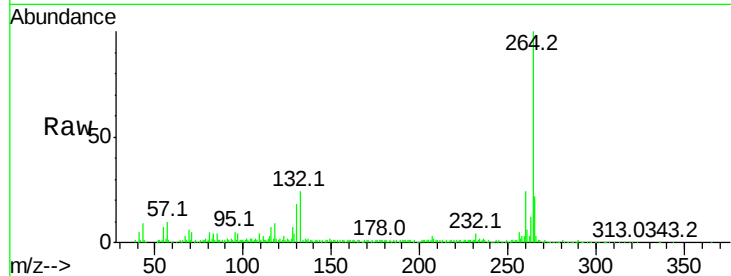
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	17.5	26.3

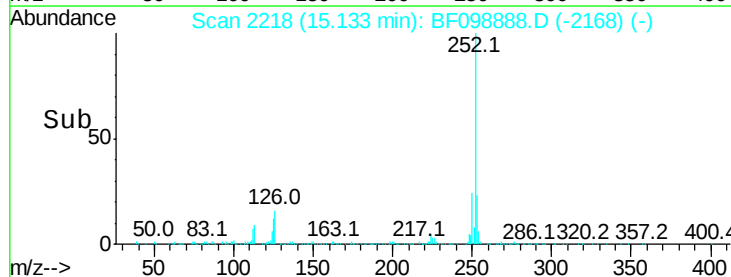
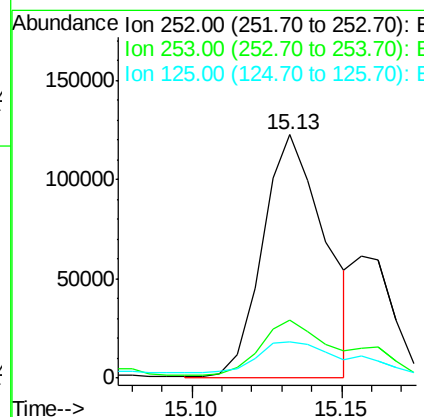
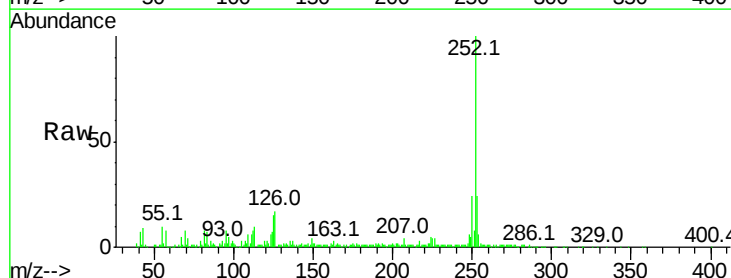
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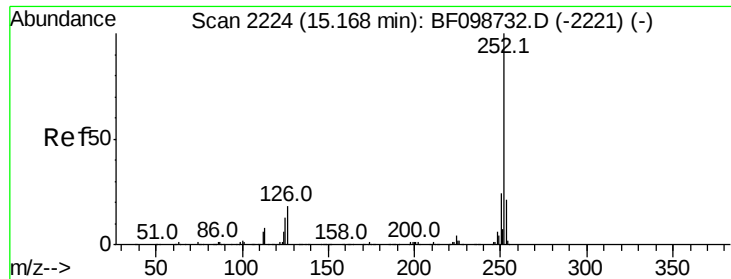
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#87
Benzo(b)fluoranthene
Concen: 13.076 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	14.6	9.0	13.6





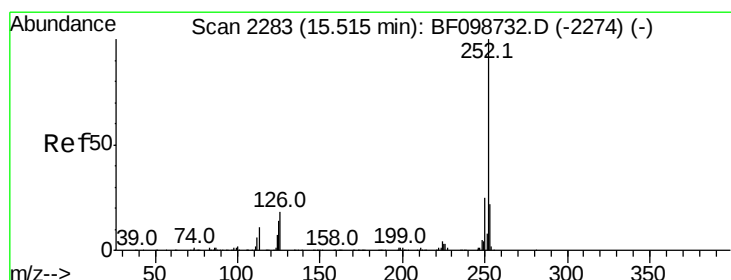
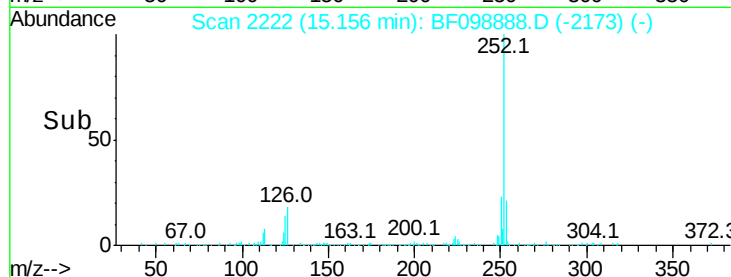
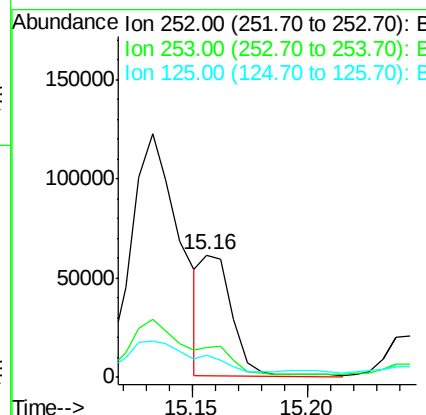
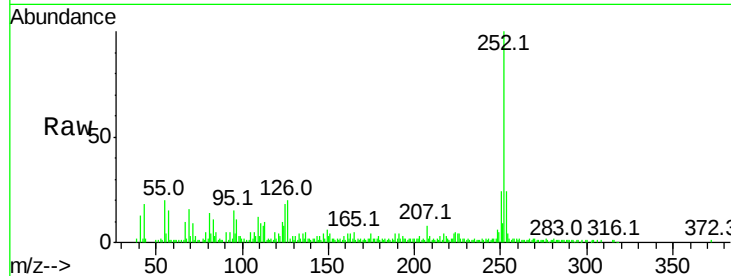
#88
Benzo(k)fluoranthene
Concen: 4.326 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	18.4	10.2	15.2

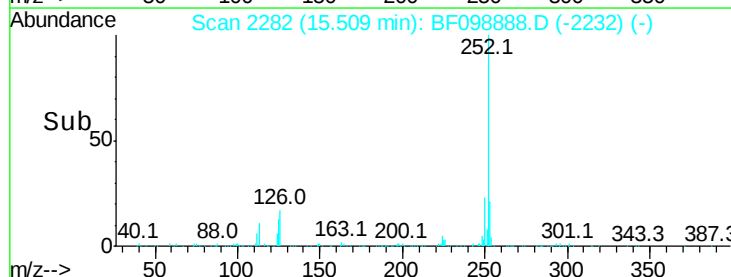
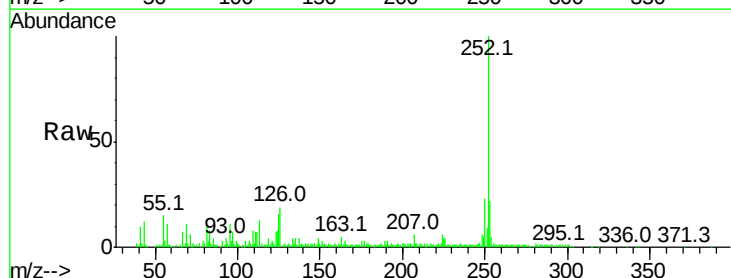
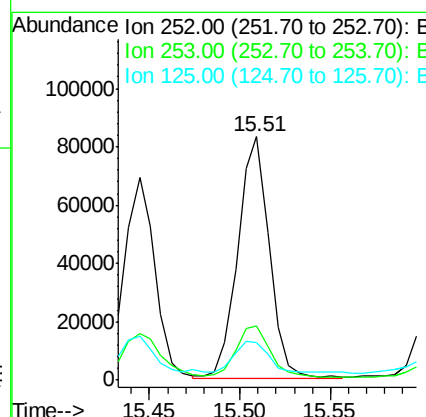
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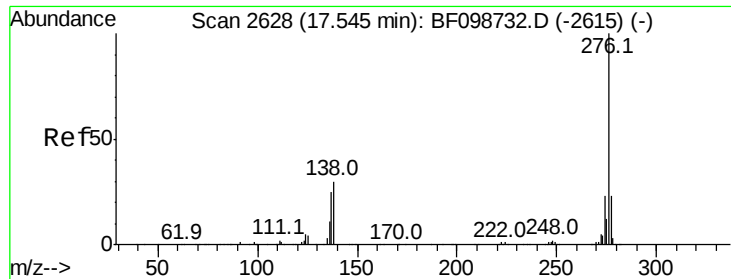
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#89
Benzo(a)pyrene
Concen: 7.957 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098888.D
Acq: 28 Sep 2017 3:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	15.6	9.8	14.6





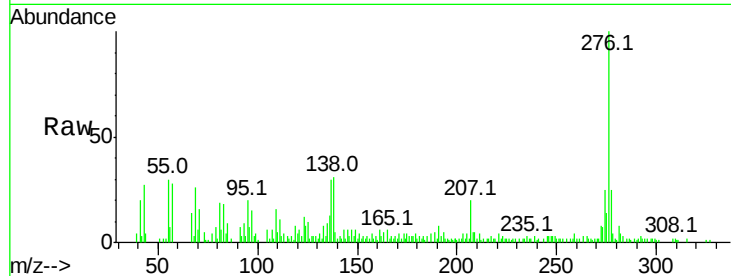
#91
 Benzo(a,h,i)perylene
 Concen: 4.619 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. -0.01 min
 Lab File: BF098888.D
 Acq: 28 Sep 2017 3:09

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C-COMP

Tot Ion:	276	Resp:	45661
Ion Ratio	Lower	Upper	
276	100		
277	25.4	17.9	26.9
138	31.3	21.8	32.8

Manual Integrations
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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

